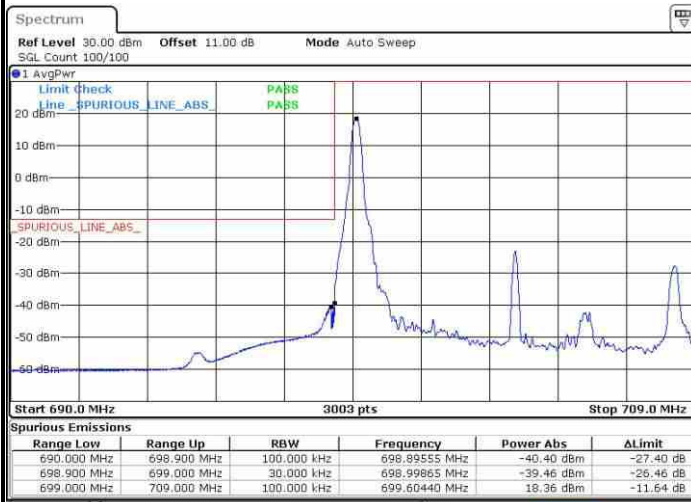


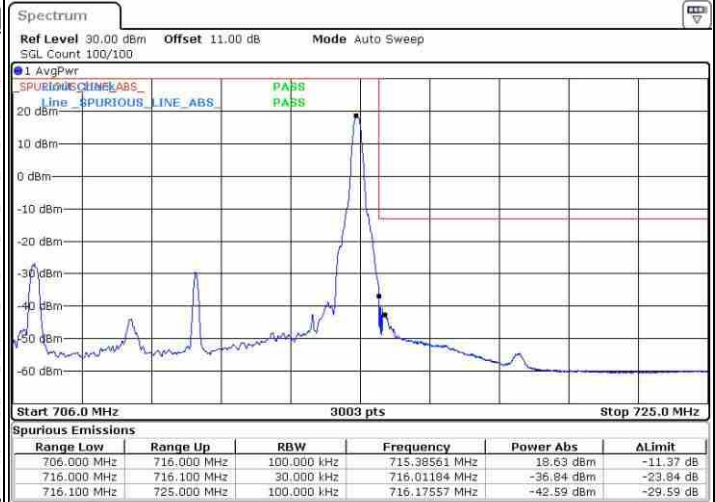


LTE Band 12 / 10MHz / 16QAM

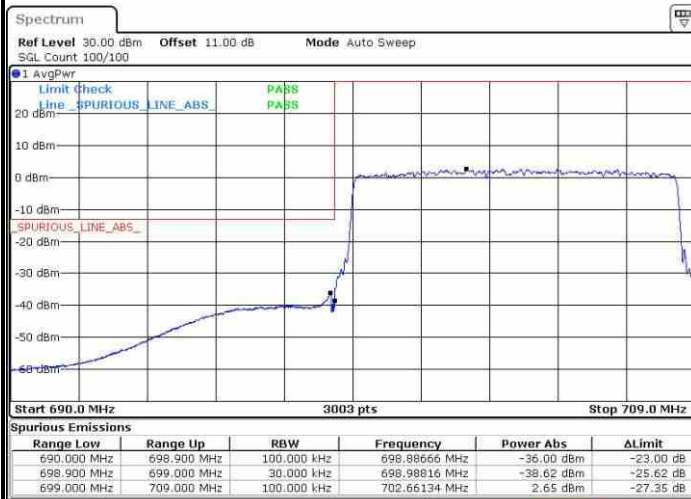
Lowest Band Edge / 1 RB



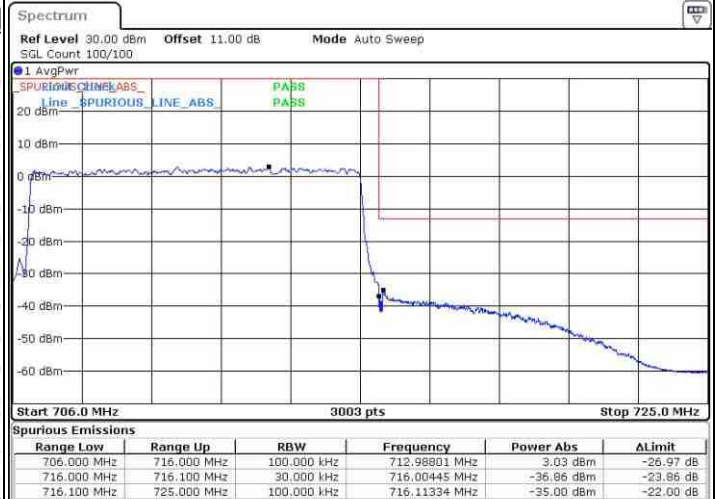
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB





Conducted Spurious Emission



LTE Band 12 / 1.4MHz

Lowest Channel / QPSK



Date: 13 MAR 2016 13:47:48

Lowest Channel / 16QAM



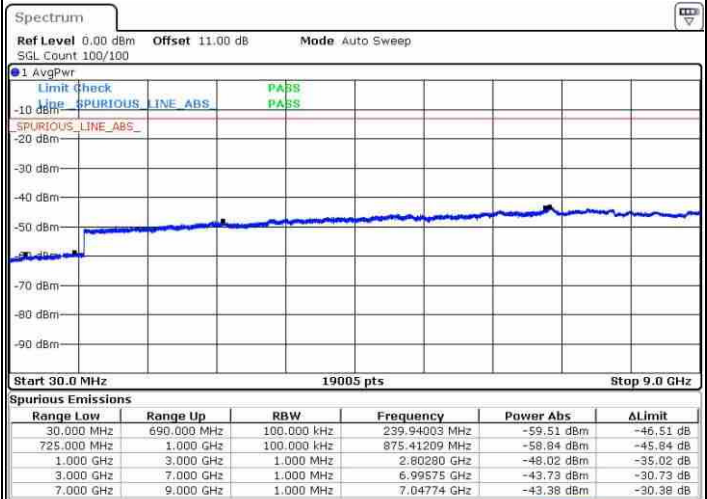
Date: 13 MAR 2016 13:48:43

Middle Channel / QPSK



Date: 13 MAR 2016 13:51:13

Middle Channel / 16QAM

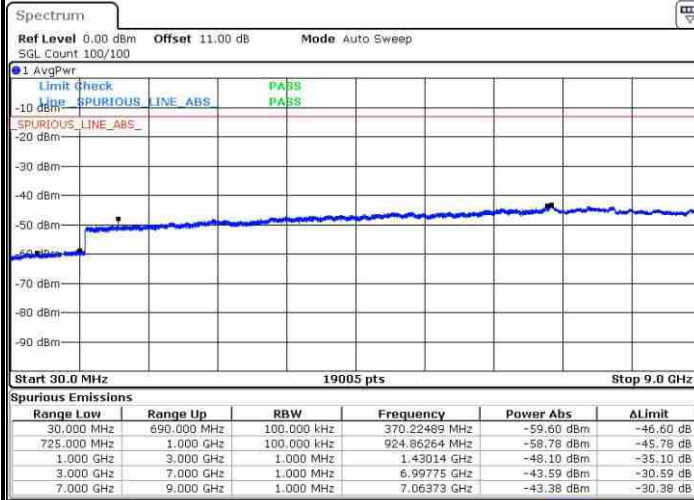


Date: 13 MAR 2016 13:50:19



LTE Band 12 / 1.4MHz

Highest Channel / QPSK



Date: 13 MAR 2016 14:00:59

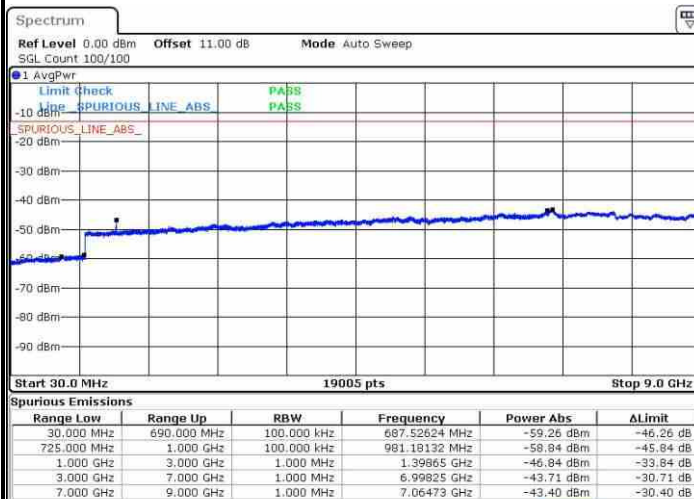
Highest Channel / 16QAM



Date: 13 MAR 2016 14:01:53

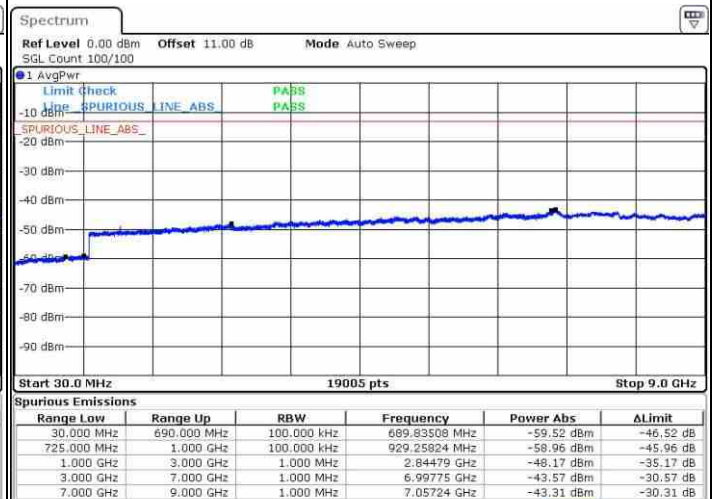
LTE Band 12 / 3MHz

Lowest Channel / QPSK



Date: 13 MAR 2016 10:57:18

Lowest Channel / 16QAM

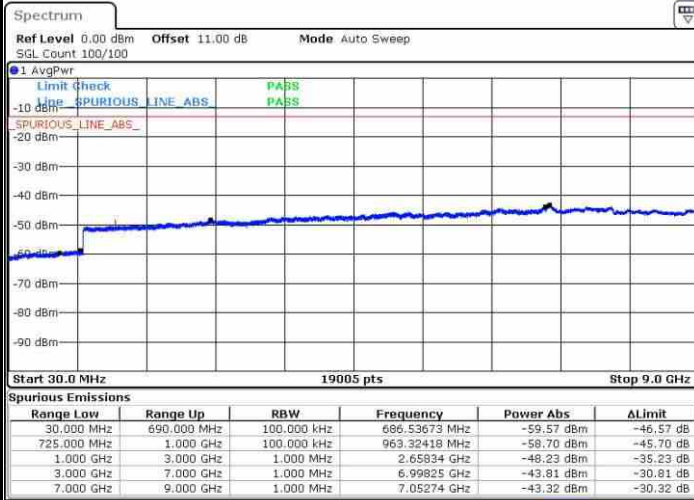


Date: 13 MAR 2016 10:58:12



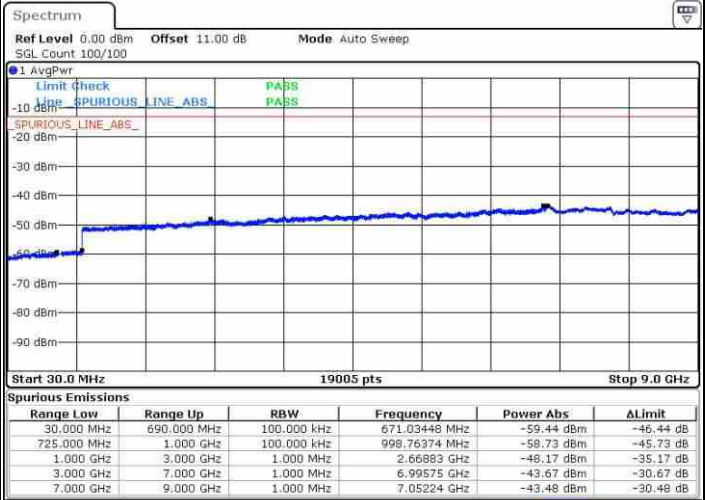
LTE Band 12 / 3MHz

Middle Channel / QPSK



Date: 13 MAR 2016 11:00:43

Middle Channel / 16QAM



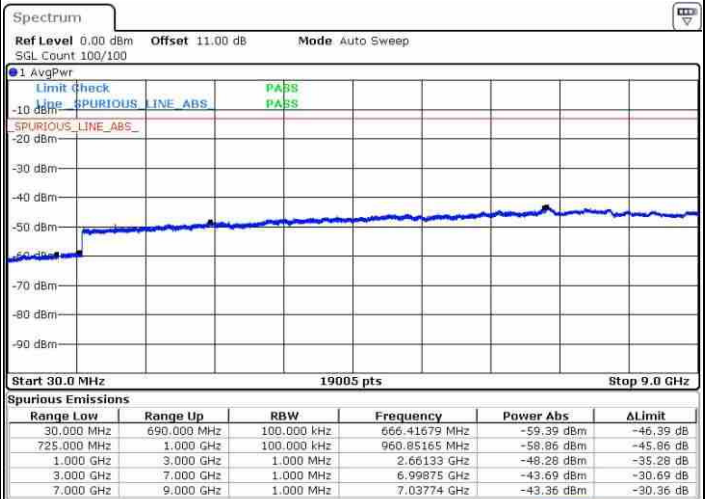
Date: 13 MAR 2016 10:59:49

Highest Channel / QPSK



Date: 13 MAR 2016 11:10:29

Highest Channel / 16QAM

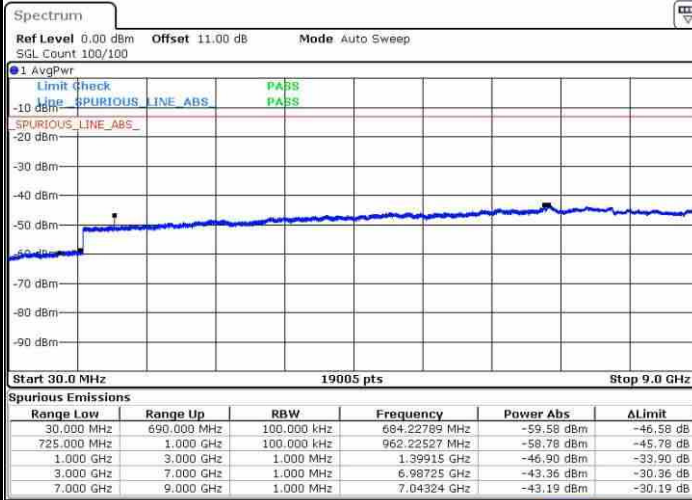


Date: 13 MAR 2016 11:11:23



LTE Band 12 / 5MHz

Lowest Channel / QPSK



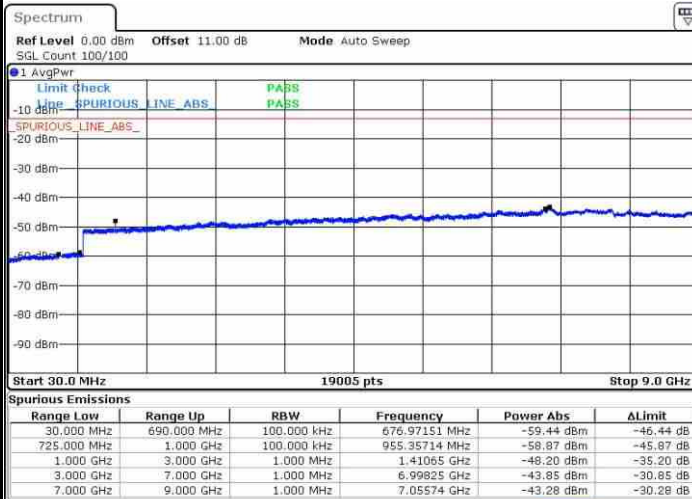
Date: 13 MAR 2016 11:21:09

Lowest Channel / 16QAM



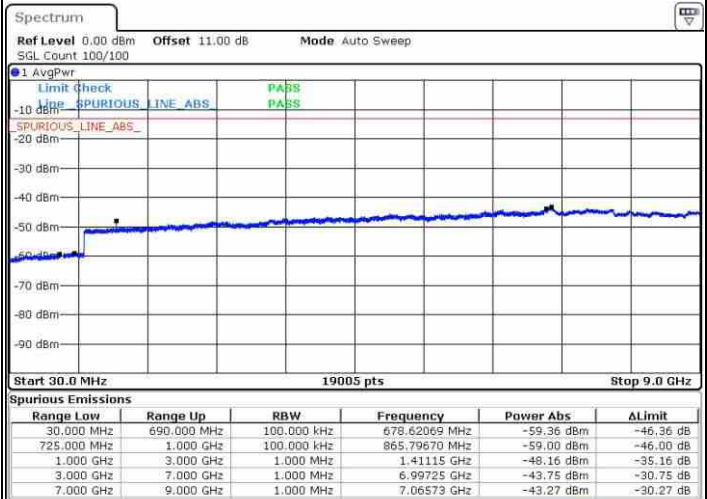
Date: 13 MAR 2016 11:22:03

Middle Channel / QPSK



Date: 13 MAR 2016 11:24:34

Middle Channel / 16QAM

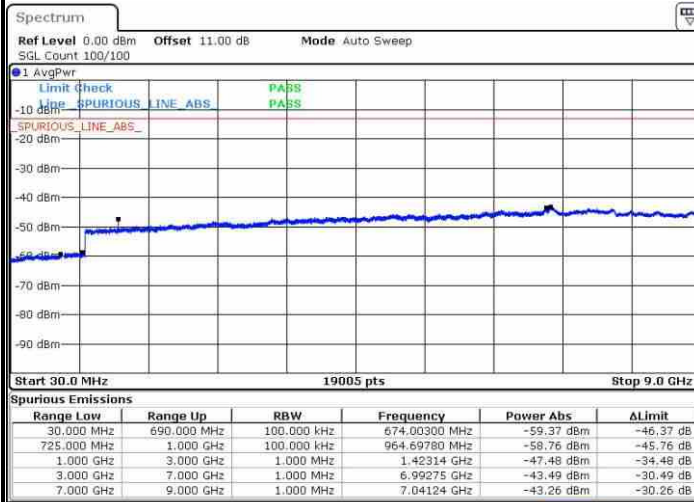


Date: 13 MAR 2016 11:23:40



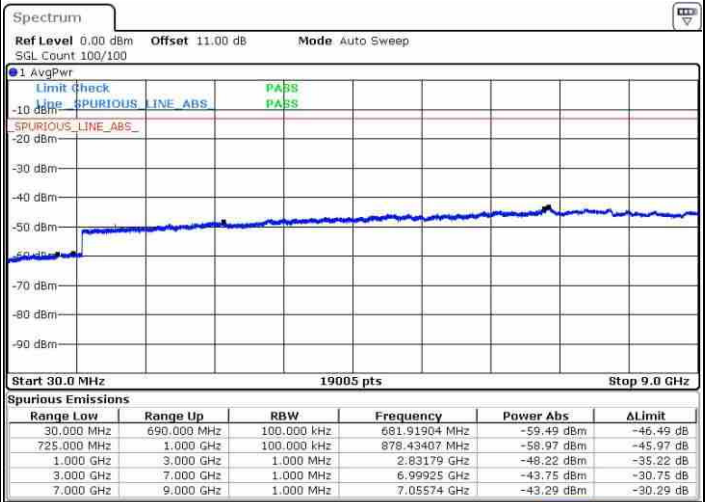
LTE Band 12 / 5MHz

Highest Channel / QPSK



Date: 13 MAR 2016 11:35:14

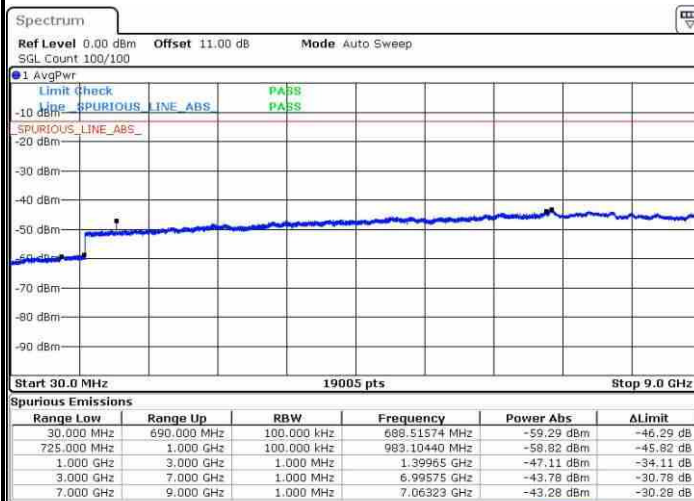
Highest Channel / 16QAM



Date: 13 MAR 2016 11:34:20

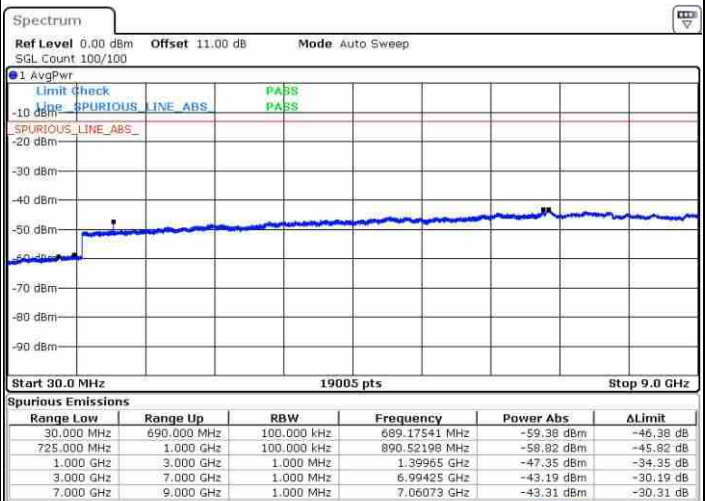
LTE Band 12 / 10MHz

Lowest Channel / QPSK



Date: 13 MAR 2016 11:45:00

Lowest Channel / 16QAM

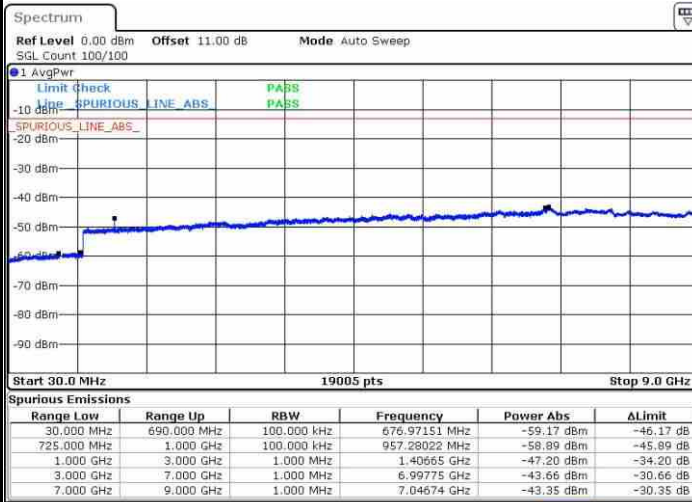


Date: 13 MAR 2016 11:45:54



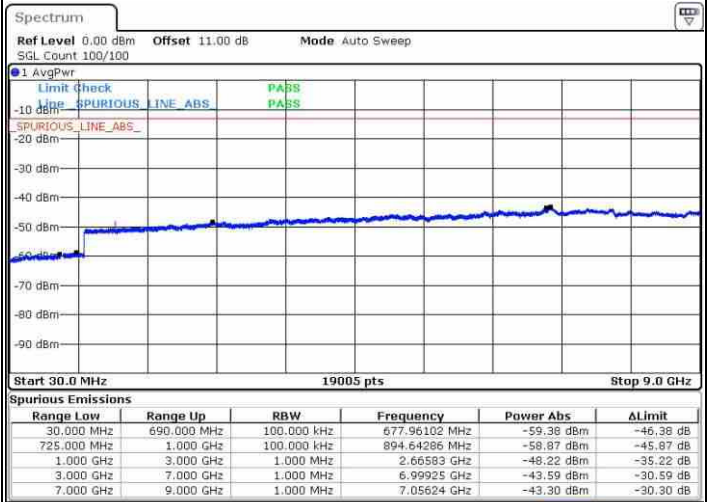
LTE Band 12 / 10MHz

Middle Channel / QPSK



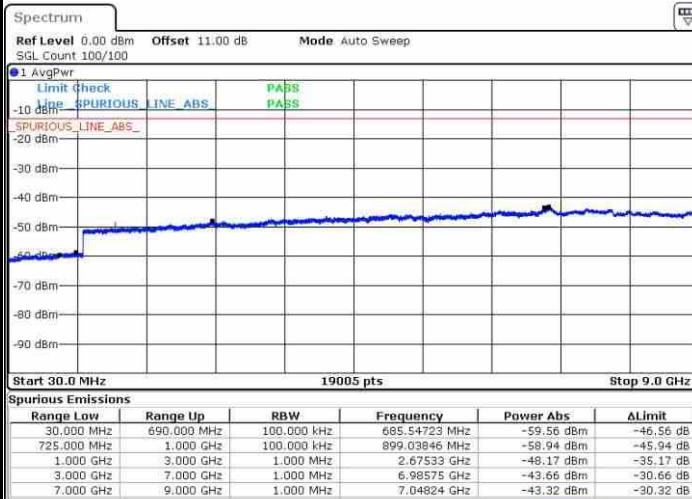
Date: 13 MAR 2016 11:48:25

Middle Channel / 16QAM



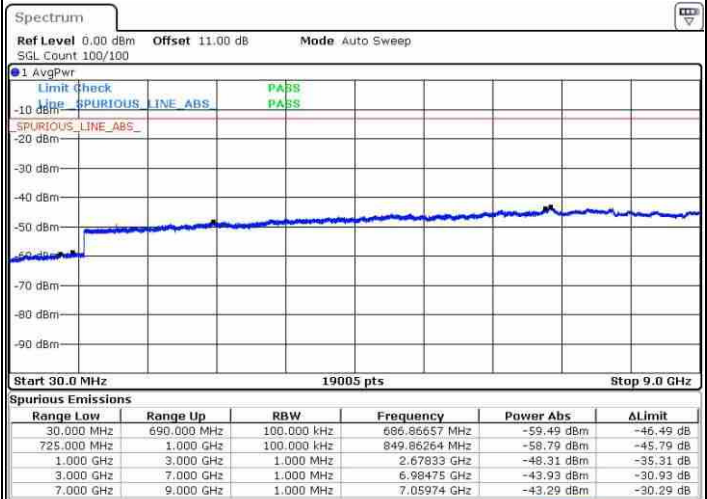
Date: 13 MAR 2016 11:47:31

Highest Channel / QPSK



Date: 13 MAR 2016 11:58:11

Highest Channel / 16QAM



Date: 13 MAR 2016 11:59:05

Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0038	PASS
40	Normal Voltage	0.0089	
30	Normal Voltage	0.0018	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0113	
0	Normal Voltage	0.0113	
-10	Normal Voltage	0.0011	
-20	Normal Voltage	0.0099	
-30	Normal Voltage	0.0116	
20	Maximum Voltage	0.0092	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0092	

Note:

1. Normal Voltage = 3.8 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage =4.2 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 17

Peak-to-Average Ratio

Mode	LTE Band 17 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.91	4.72	4.75	5.57	PASS
Middle CH	3.86	4.7	4.7	5.54	
Highest CH	3.88	4.67	5.04	5.59	

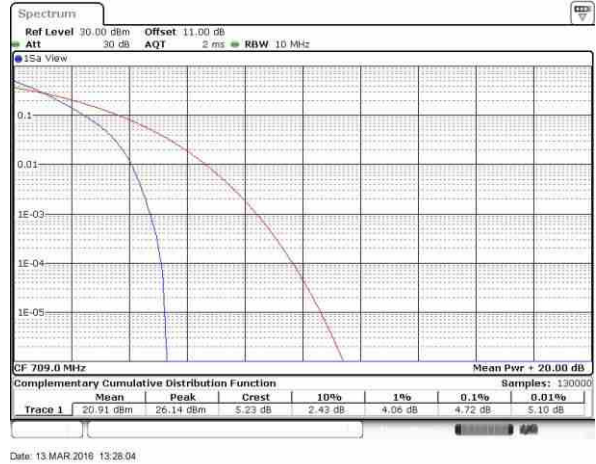


LTE Band 17 / 10MHz / QPSK

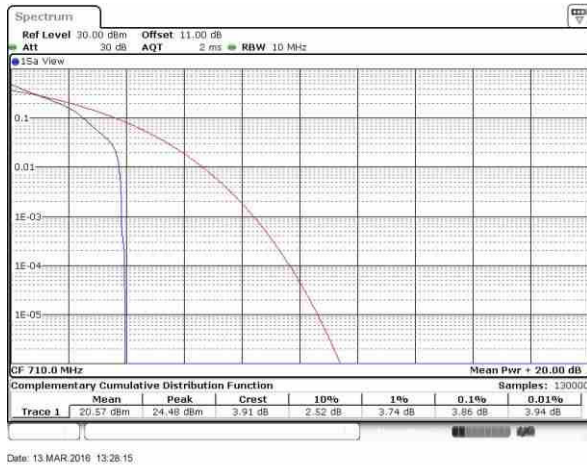
Lowest Channel / 1RB



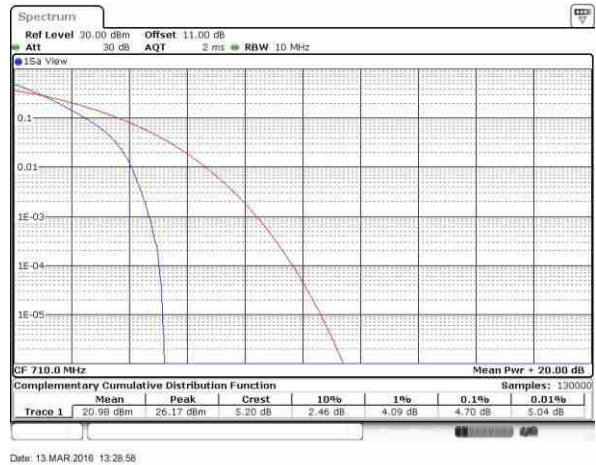
Lowest Channel / Full RB



Middle Channel/ 1RB



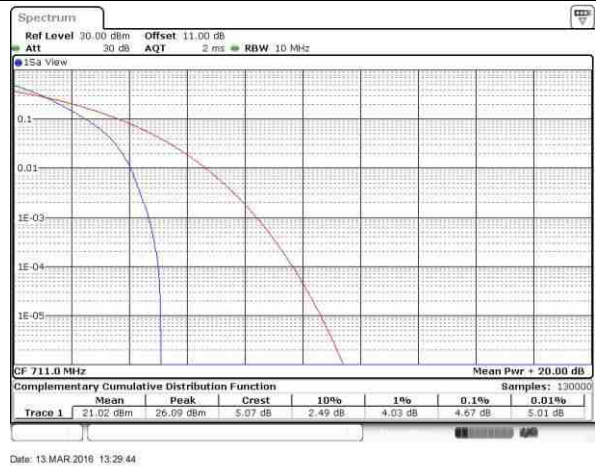
Middle Channel / Full RB



Highest Channel/ 1RB



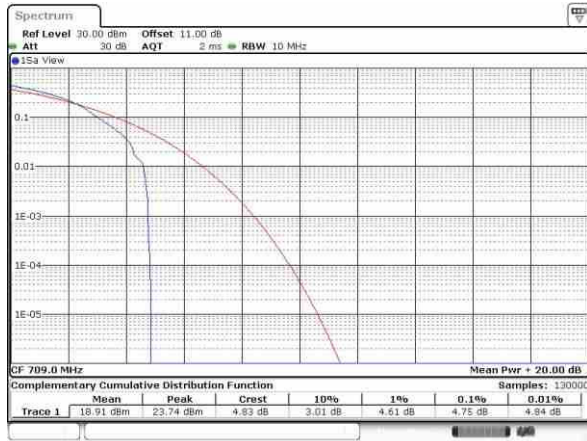
Highest Channel / Full RB



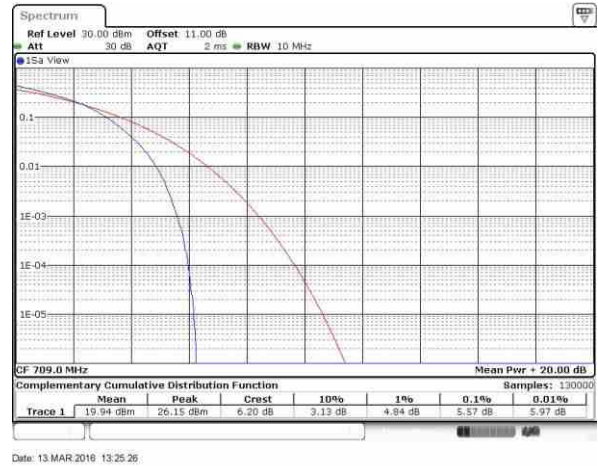


LTE Band 17 / 10MHz / 16QAM

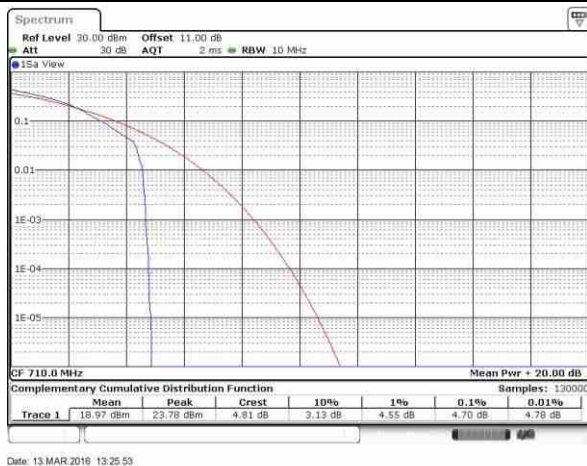
Lowest Channel / 1RB



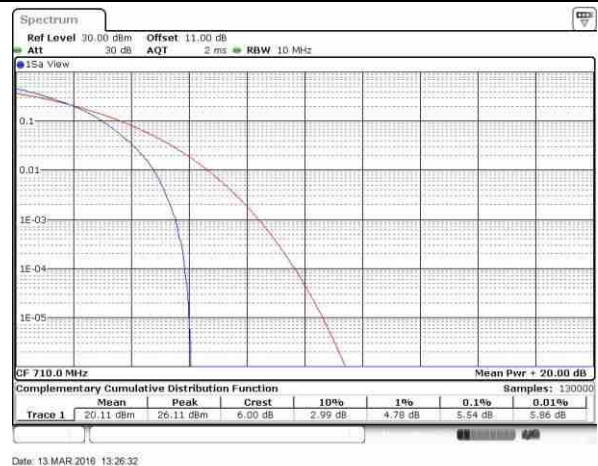
Lowest Channel / Full RB



Middle Channel/ 1RB



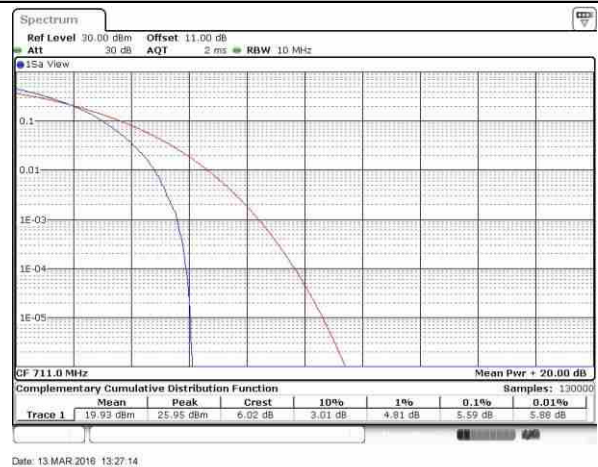
Middle Channel / Full RB



Highest Channel/ 1RB



Highest Channel / Full RB



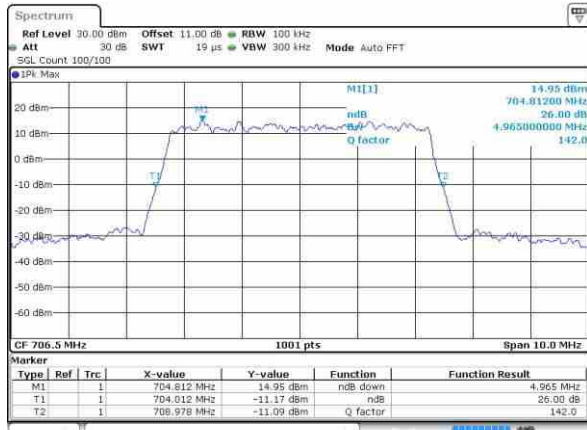
**26dB Bandwidth**

Mode	LTE Band 17 : 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	-	-	-	-	4.97	4.89	9.79	9.65	-	-	-	-
Middle CH	-	-	-	-	4.88	4.91	9.85	10.01	-	-	-	-
Highest CH	-	-	-	-	4.9	4.97	9.81	9.57	-	-	-	-



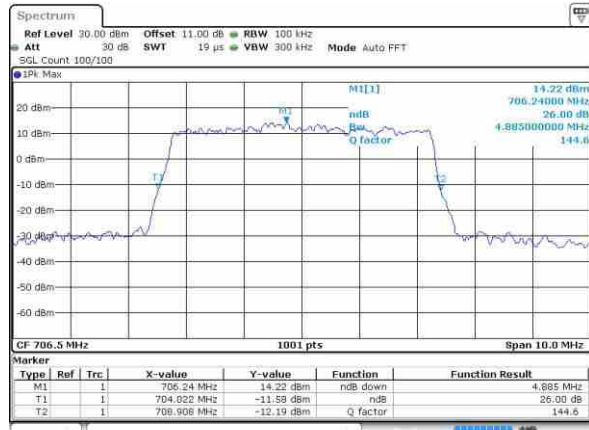
LTE Band 17

Lowest Channel / 5MHz / QPSK



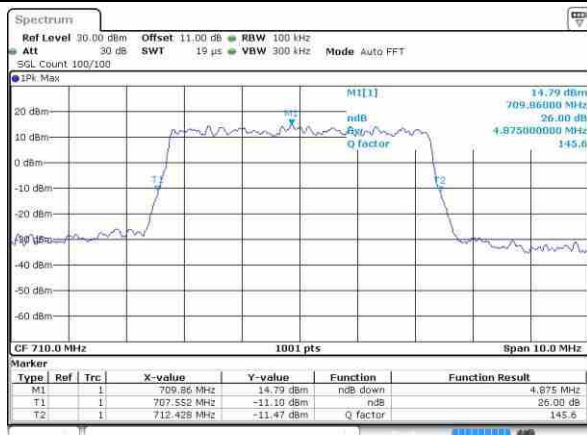
Date: 13 MAR 2016 12:37:34

Lowest Channel / 5MHz / 16QAM



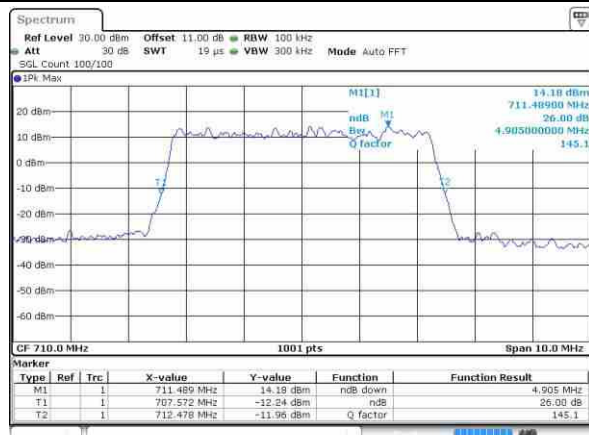
Date: 13 MAR 2016 12:37:44

Middle Channel / 5MHz / QPSK



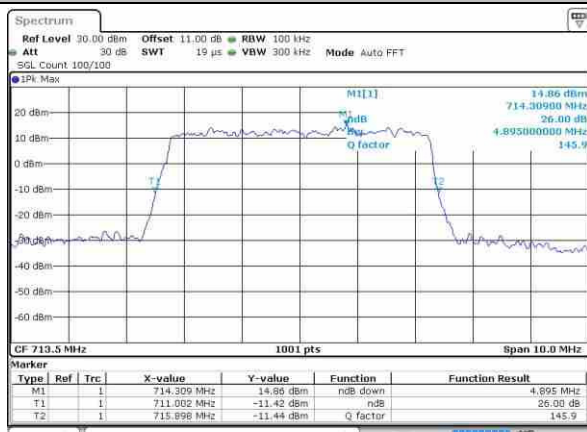
Date: 13 MAR 2016 12:48:14

Middle Channel / 5MHz / 16QAM



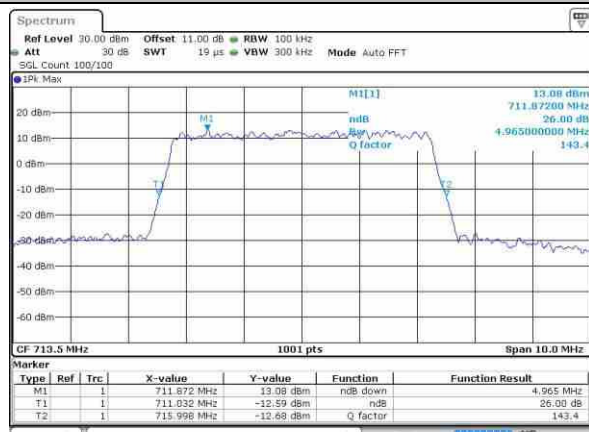
Date: 13 MAR 2016 12:48:24

Highest Channel / 5MHz / QPSK



Date: 13 MAR 2016 12:50:45

Highest Channel / 5MHz / 16QAM

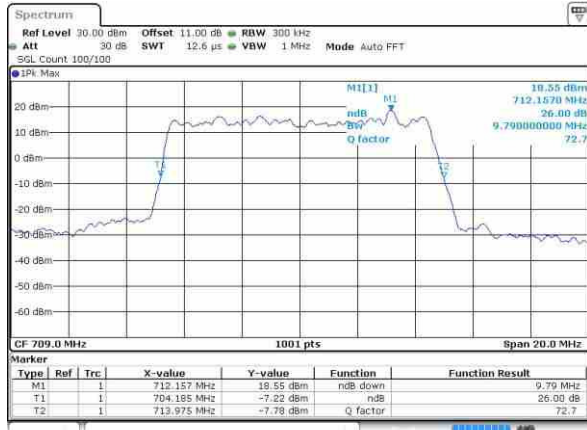


Date: 13 MAR 2016 12:50:55

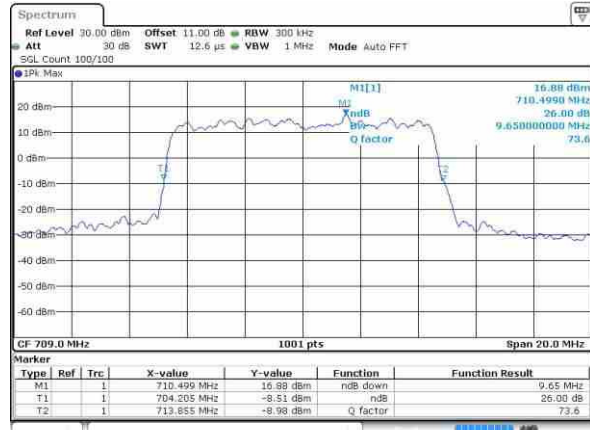


LTE Band 17

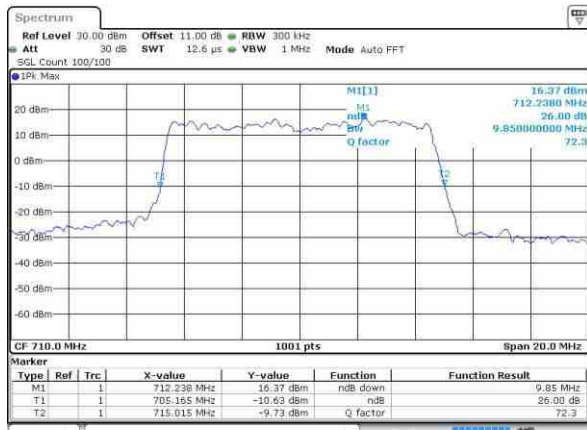
Lowest Channel / 10MHz / QPSK



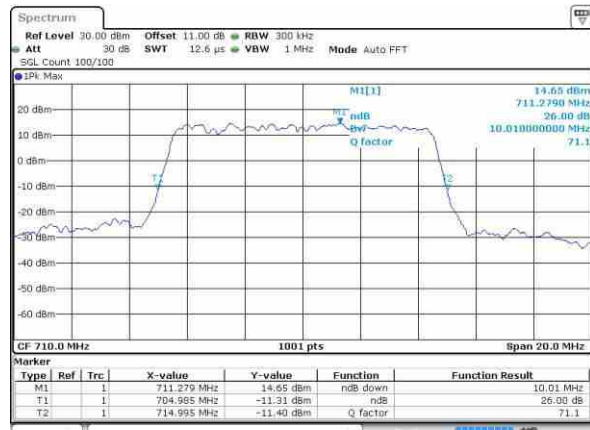
Lowest Channel / 10MHz / 16QAM



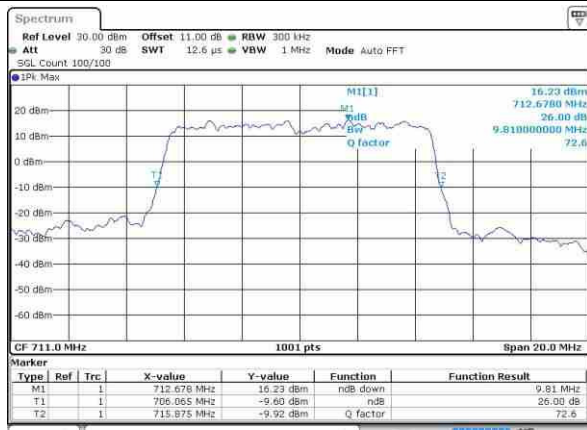
Middle Channel / 10MHz / QPSK



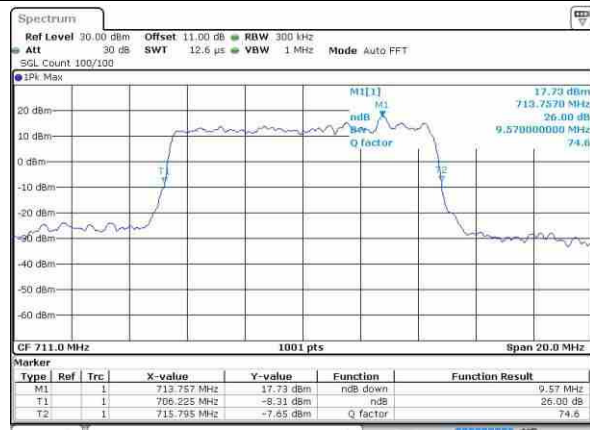
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



Highest Channel / 10MHz / 16QAM



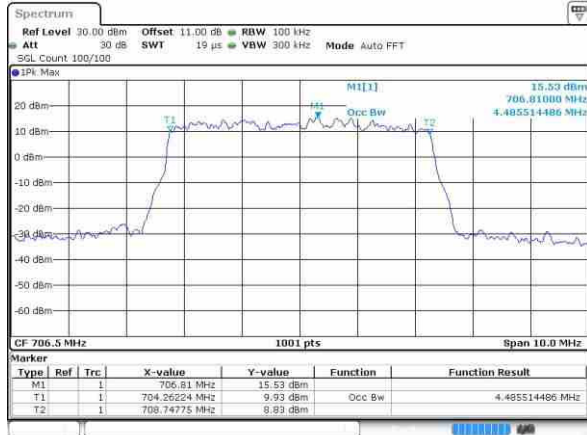
**Occupied Bandwidth**

Mode	LTE Band 17 : 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	-	-	-	-	4.49	4.48	9.07	8.99	-	-	-	-
Middle CH	-	-	-	-	4.48	4.48	8.99	9.05	-	-	-	-
Highest CH	-	-	-	-	4.48	4.48	9.03	8.97	-	-	-	-



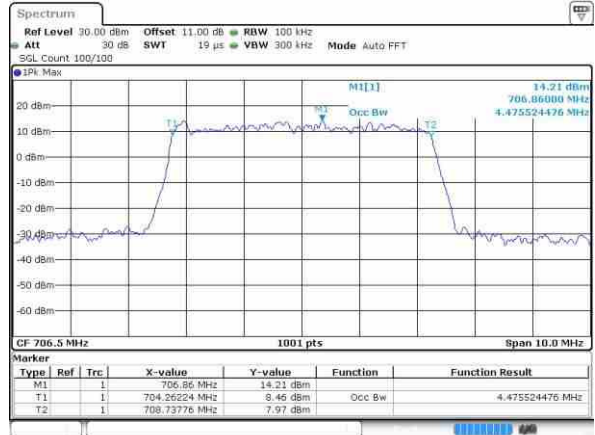
LTE Band 17

Lowest Channel / 5MHz / QPSK



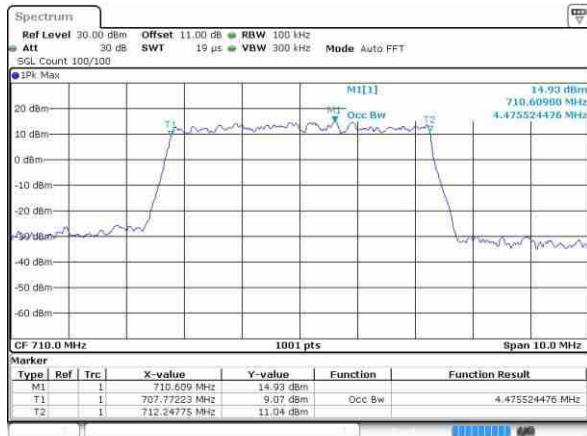
Date: 13 MAR 2016 12:37:13

Lowest Channel / 5MHz / 16QAM



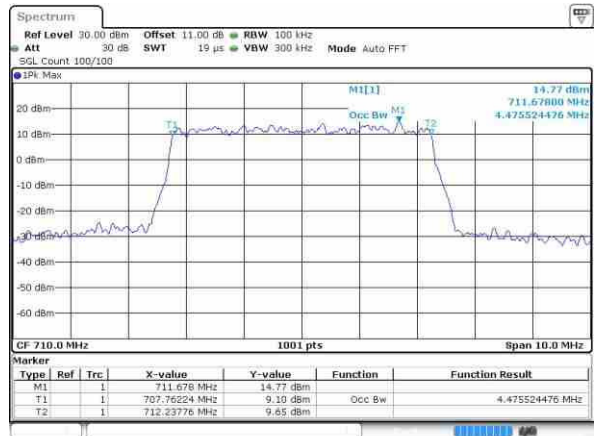
Date: 13 MAR 2016 12:37:23

Middle Channel / 5MHz / QPSK



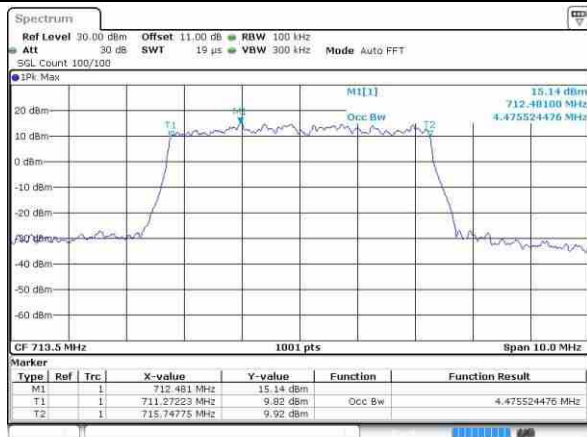
Date: 13 MAR 2016 12:47:53

Middle Channel / 5MHz / 16QAM



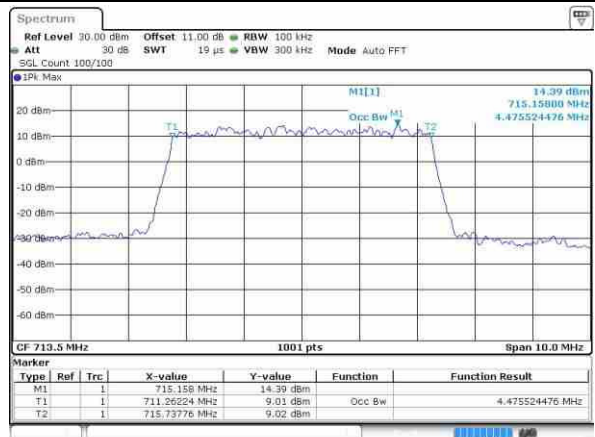
Date: 13 MAR 2016 12:48:03

Highest Channel / 5MHz / QPSK



Date: 13 MAR 2016 12:50:24

Highest Channel / 5MHz / 16QAM

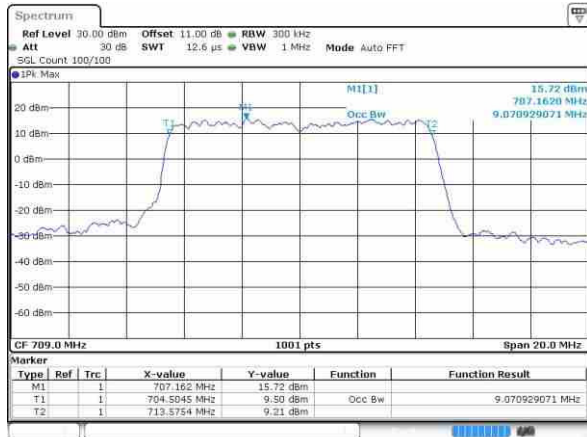


Date: 13 MAR 2016 12:50:34

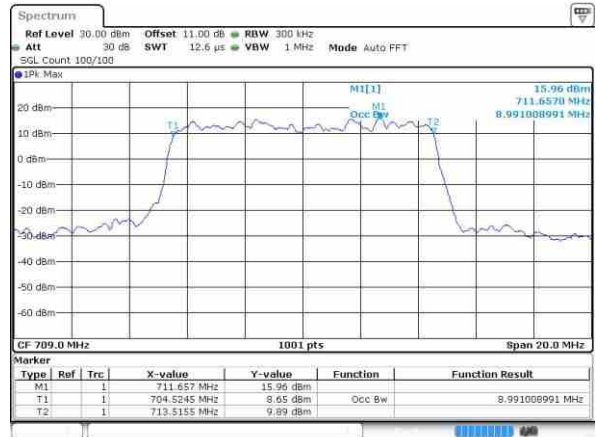


LTE Band 17

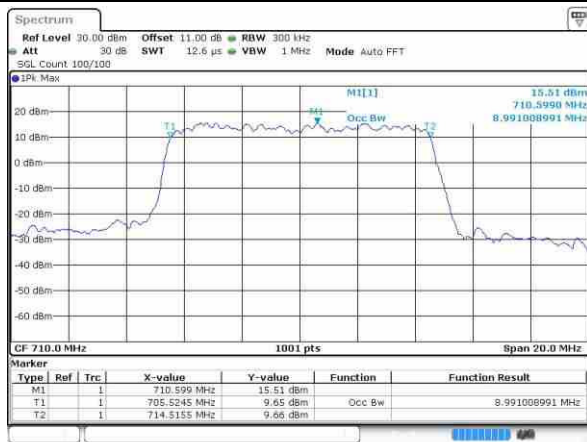
Lowest Channel / 10MHz / QPSK



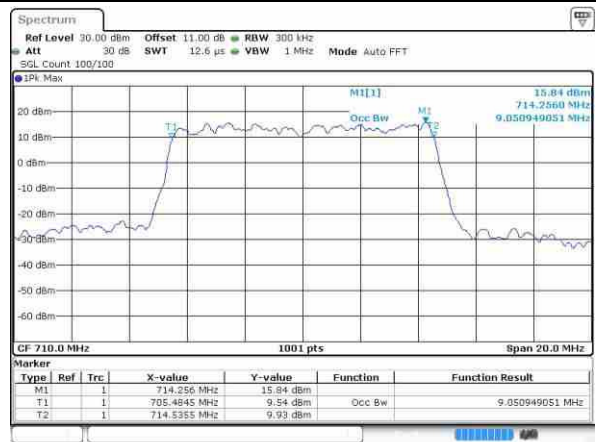
Lowest Channel / 10MHz / 16QAM



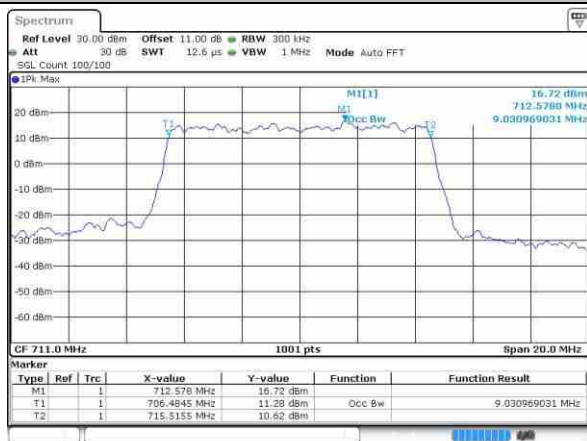
Middle Channel / 10MHz / QPSK



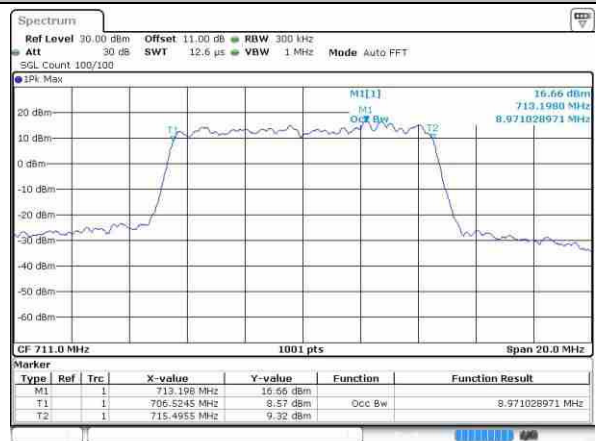
Middle Channel / 10MHz / 16QAM

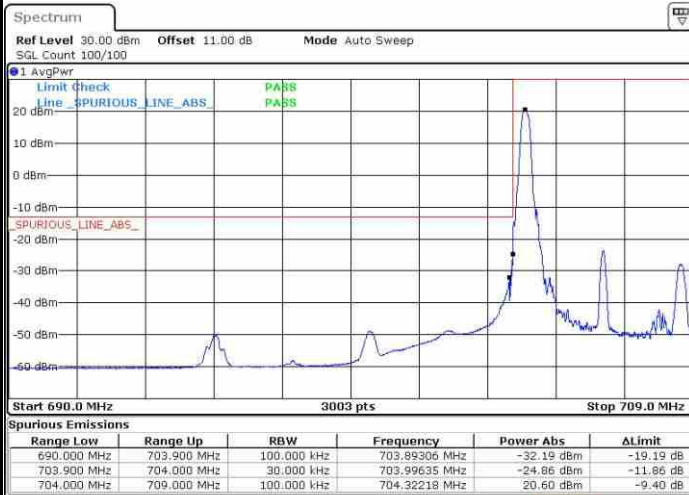
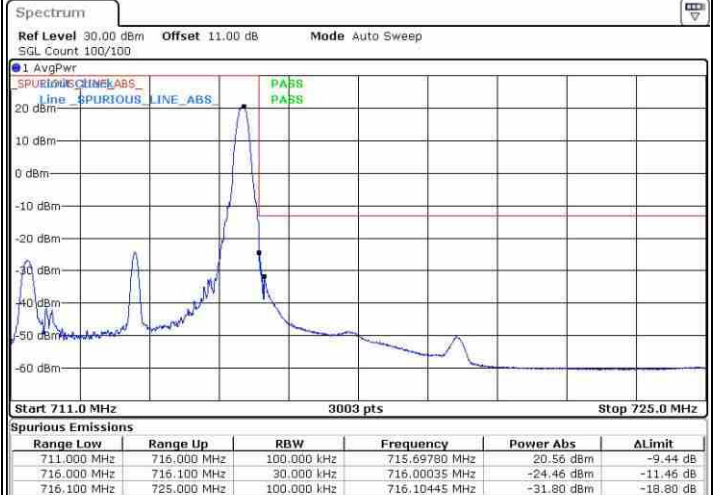


Highest Channel / 10MHz / QPSK



Highest Channel / 10MHz / 16QAM

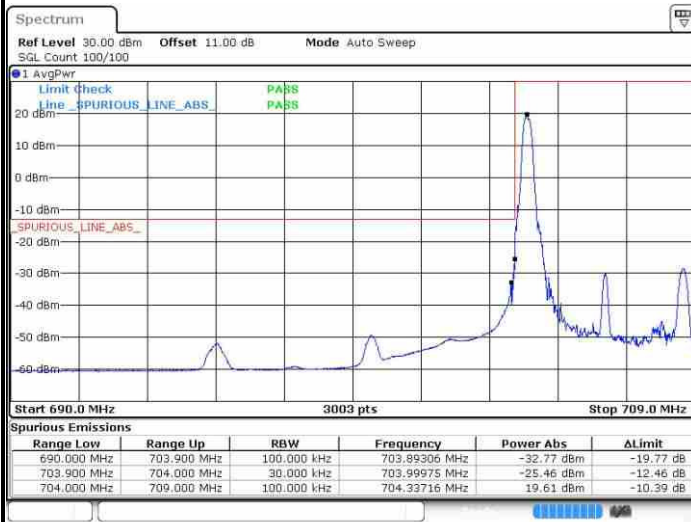


**Conducted Band Edge****LTE Band 17 / 5MHz / QPSK****Lowest Band Edge / 1 RB****Highest Band Edge / 1 RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

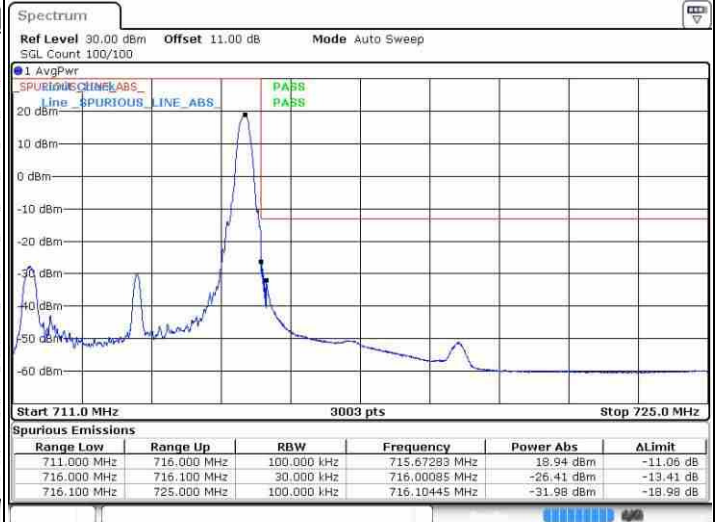


LTE Band 17 / 5MHz / 16QAM

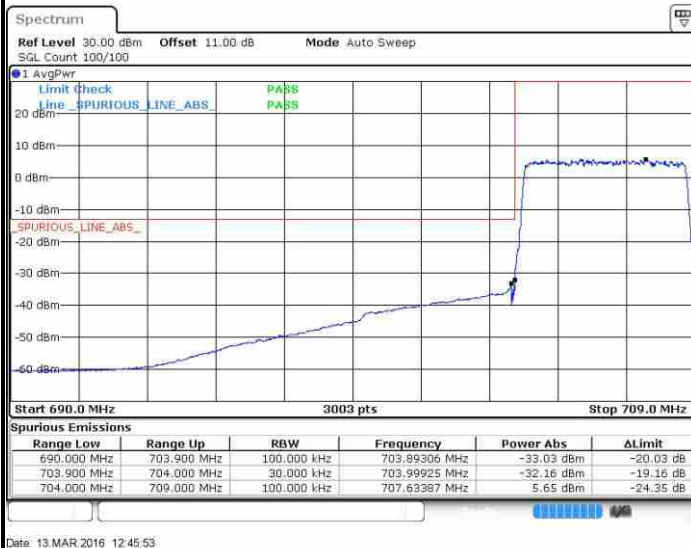
Lowest Band Edge / 1 RB



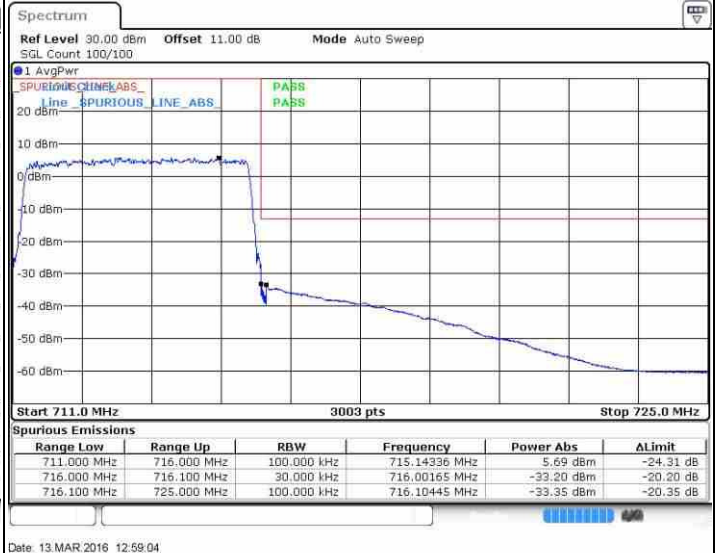
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



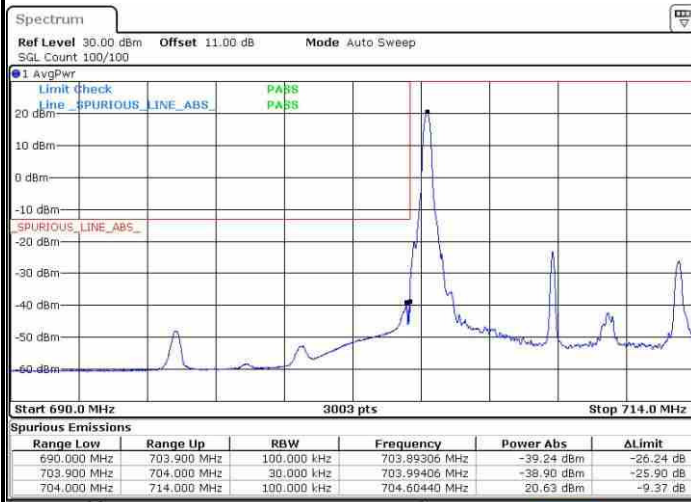
Highest Band Edge / Full RB



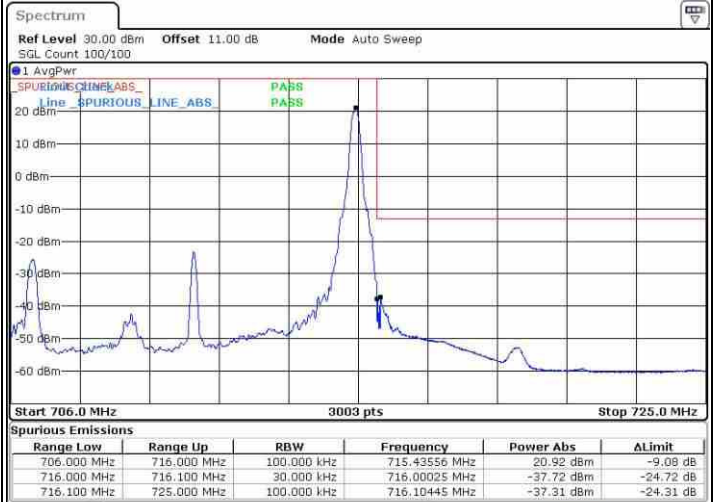


LTE Band 17 / 10MHz / QPSK

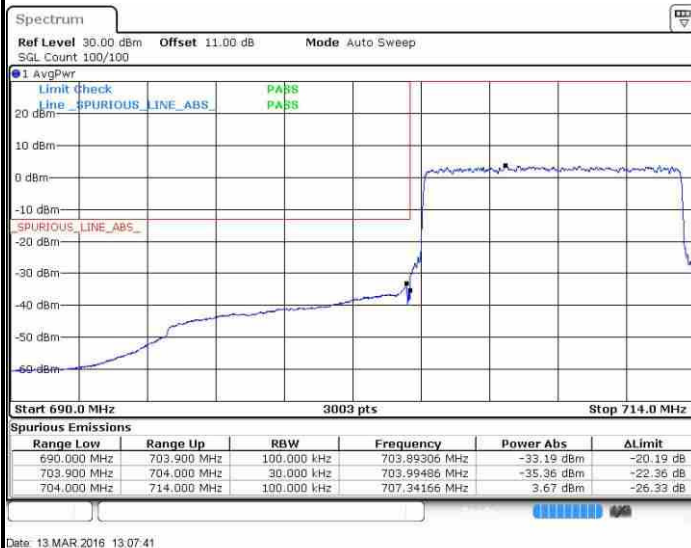
Lowest Band Edge / 1 RB



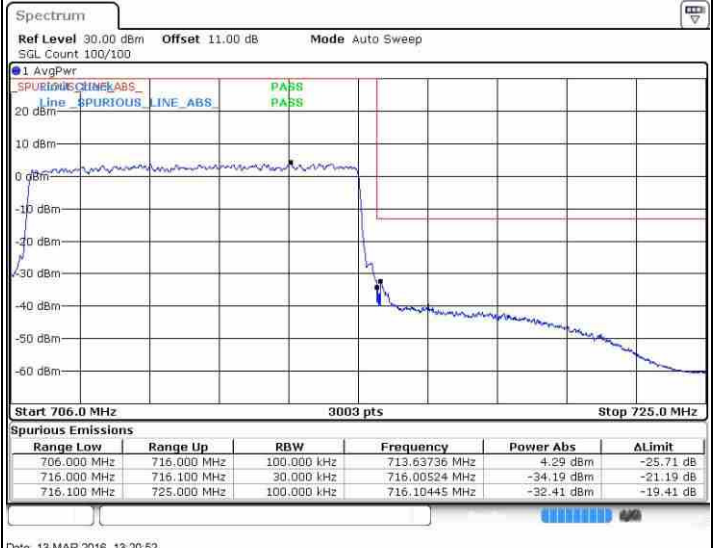
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



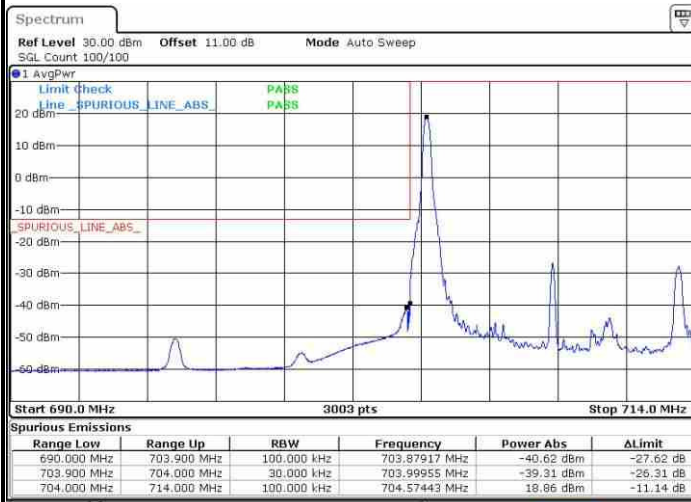
Highest Band Edge / Full RB





LTE Band 17 / 10MHz / 16QAM

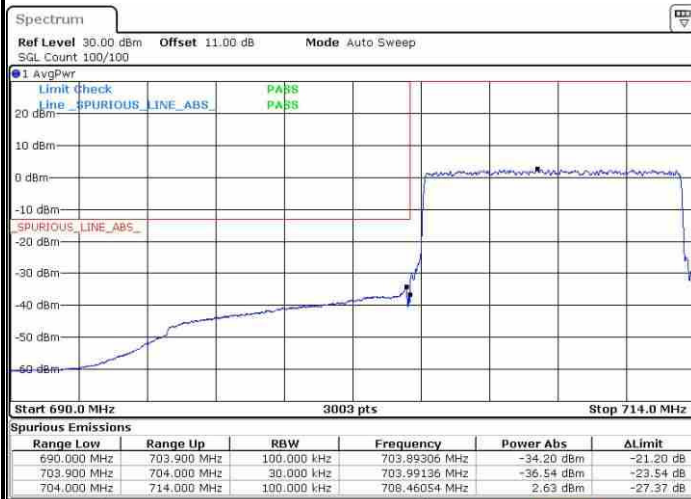
Lowest Band Edge / 1 RB



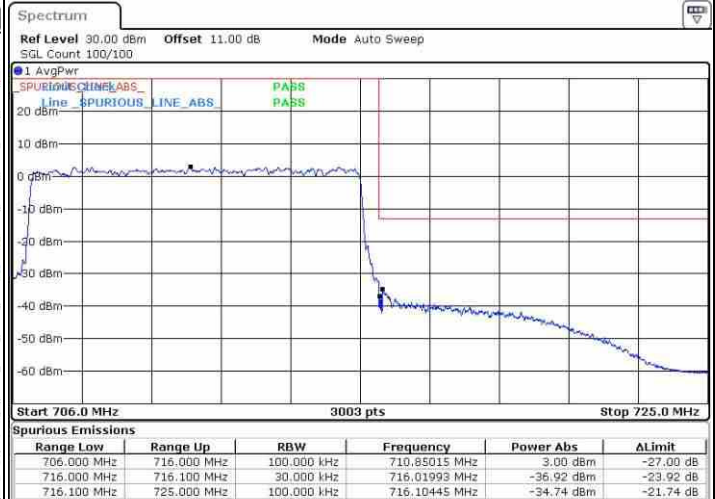
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

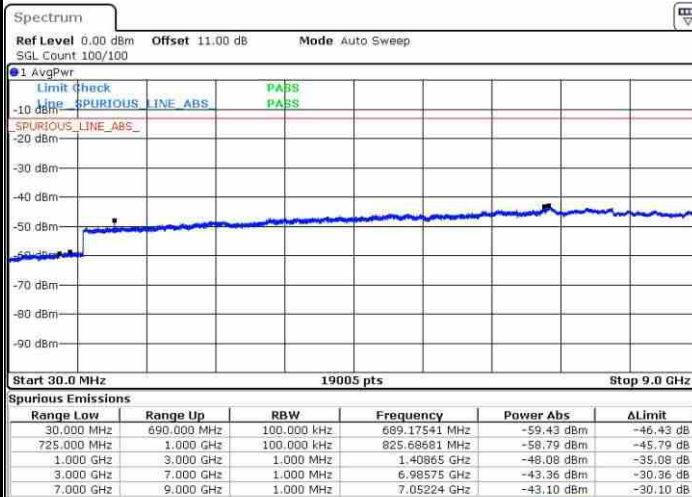




Conducted Spurious Emission

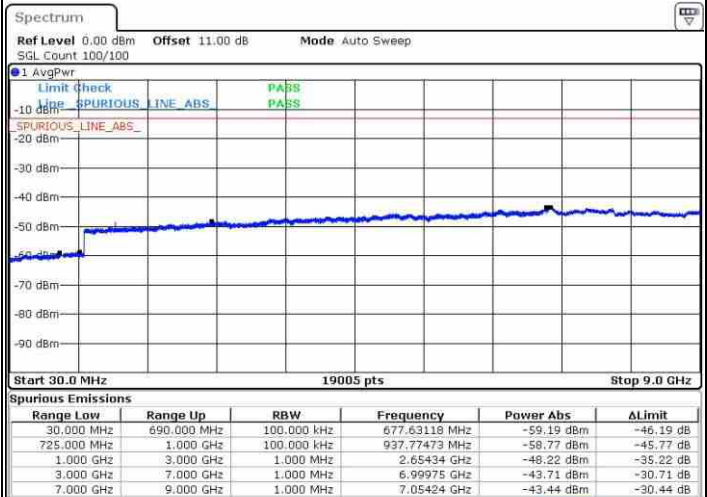
LTE Band 17 / 5MHz

Lowest Channel / QPSK



Date: 13 MAR 2016 12:46:48

Lowest Channel / 16QAM



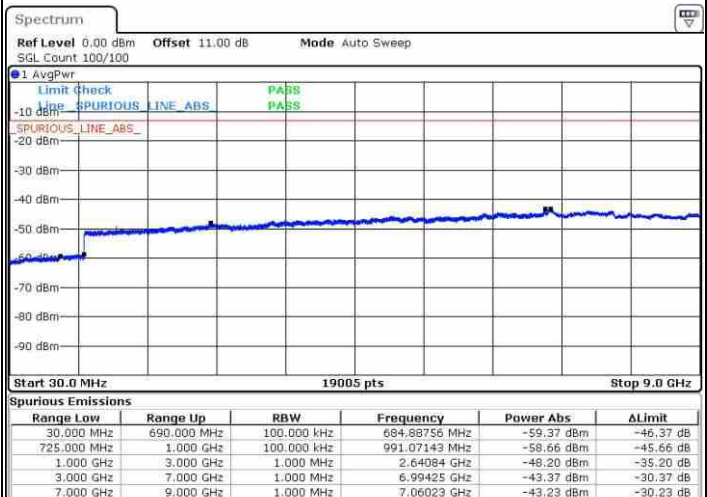
Date: 13 MAR 2016 12:47:42

Middle Channel / QPSK



Date: 13 MAR 2016 12:48:19

Middle Channel / 16QAM



Date: 13 MAR 2016 12:50:13



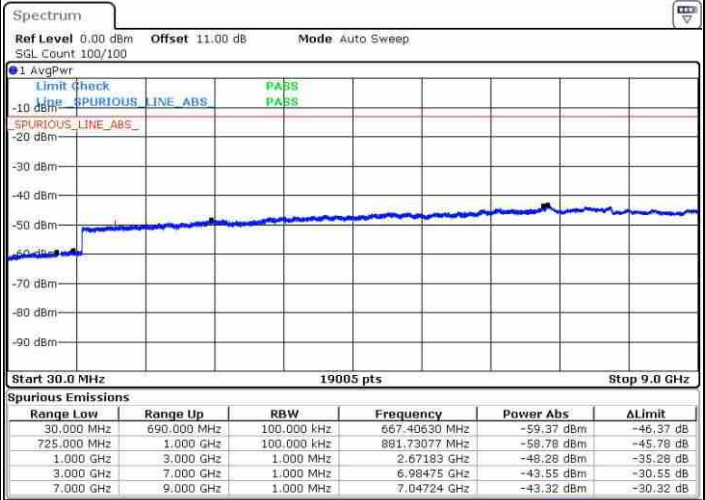
LTE Band 17 / 5MHz

Highest Channel / QPSK



Date: 13 MAR 2016 12:59:59

Highest Channel / 16QAM



Date: 13 MAR 2016 13:00:53

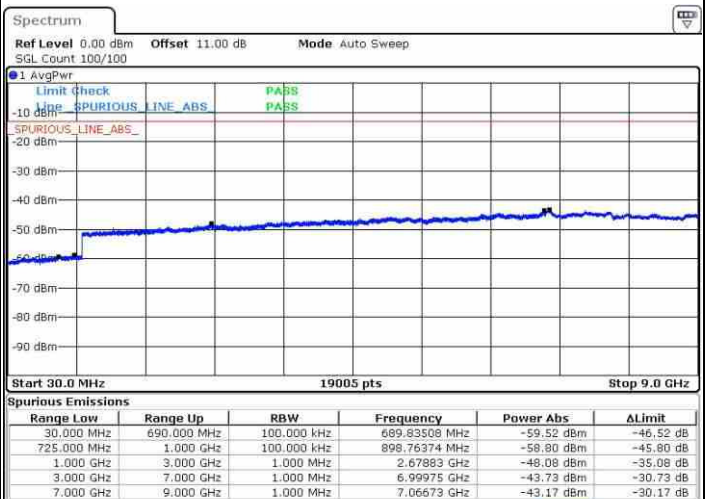
LTE Band 17 / 10MHz

Lowest Channel / QPSK



Date: 13 MAR 2016 13:10:39

Lowest Channel / 16QAM

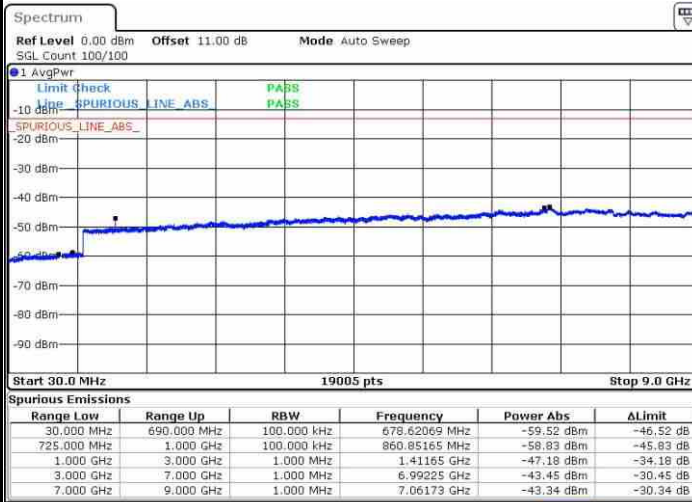


Date: 13 MAR 2016 13:11:33



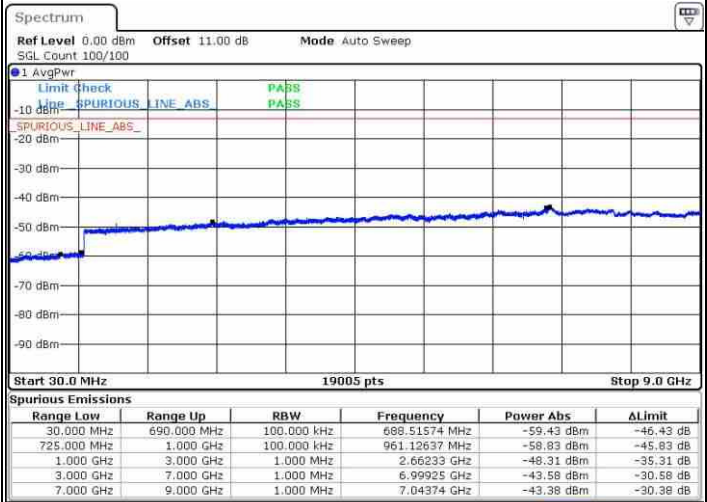
LTE Band 17 / 10MHz

Middle Channel / QPSK



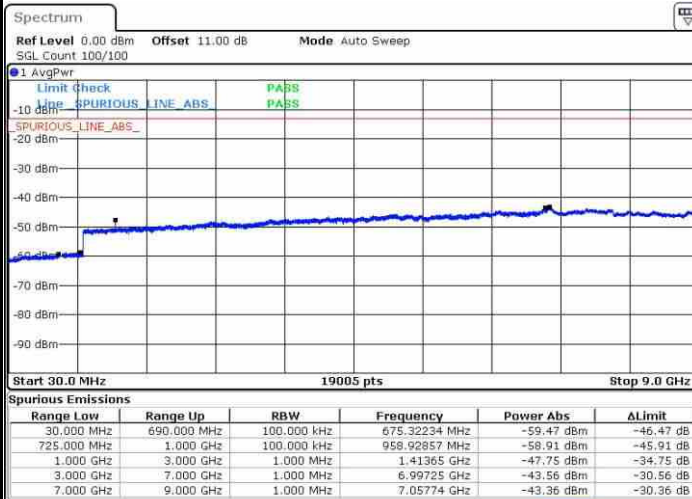
Date: 13 MAR 2016 13:13:09

Middle Channel / 16QAM



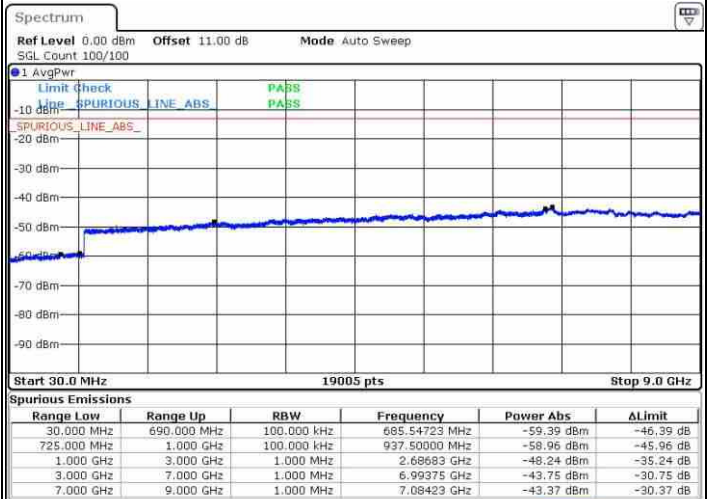
Date: 13 MAR 2016 13:14:04

Highest Channel / QPSK



Date: 13 MAR 2016 13:23:50

Highest Channel / 16QAM



Date: 13 MAR 2016 13:24:44

Frequency Stability

Test Conditions		LTE Band 17 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0011	PASS
40	Normal Voltage	0.0007	
30	Normal Voltage	0.0056	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0092	
-10	Normal Voltage	0.0085	
-20	Normal Voltage	0.0015	
-30	Normal Voltage	0.0015	
20	Maximum Voltage	0.0072	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0025	

Note:

1. Normal Voltage = 3.8 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage =4.2 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

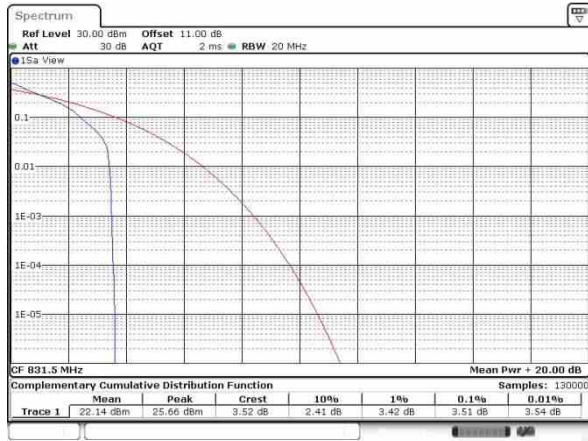
**LTE Band 26_Part 22H****Peak-to-Average Ratio**

Mode	LTE Band 26 / 15MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.51	4.58	4.38	5.48	PASS
Middle CH	3.62	4.52	4.35	5.48	
Highest CH	3.88	4.49	4.99	5.39	



LTE Band 26 / 15MHz / QPSK

Lowest Channel / 1RB



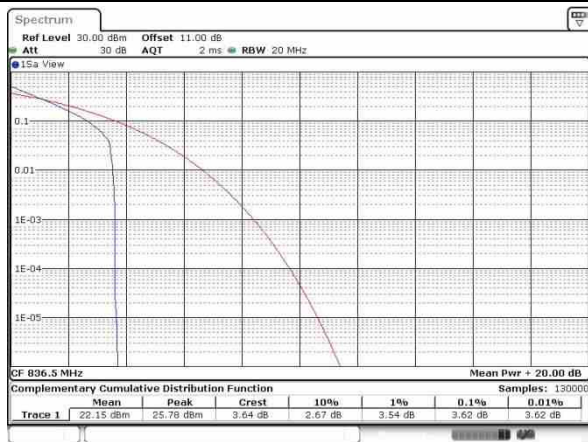
Date: 16 MAR 2016 12:02:34

Lowest Channel / Full RB



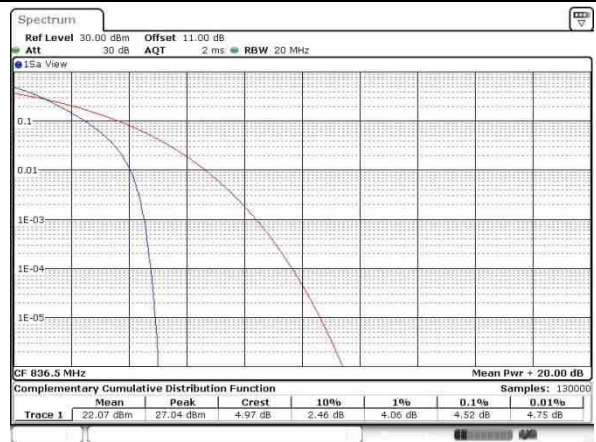
Date: 16 MAR 2016 12:02:02

Middle Channel / 1RB



Date: 16 MAR 2016 12:02:45

Middle Channel / Full RB



Date: 16 MAR 2016 12:03:18

Highest Channel / 1RB



Date: 16 MAR 2016 12:04:05

Highest Channel / Full RB

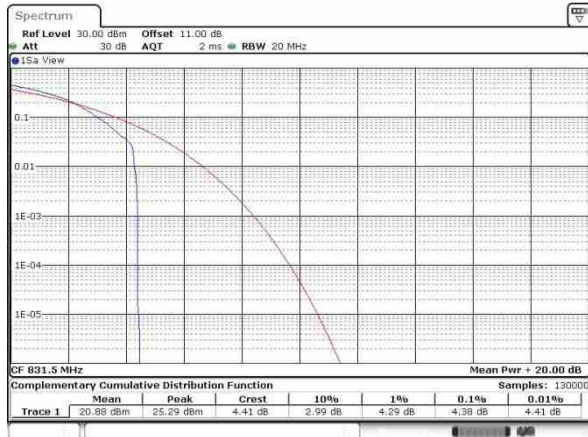


Date: 16 MAR 2016 12:03:31



LTE Band 26 / 15MHz / 16QAM

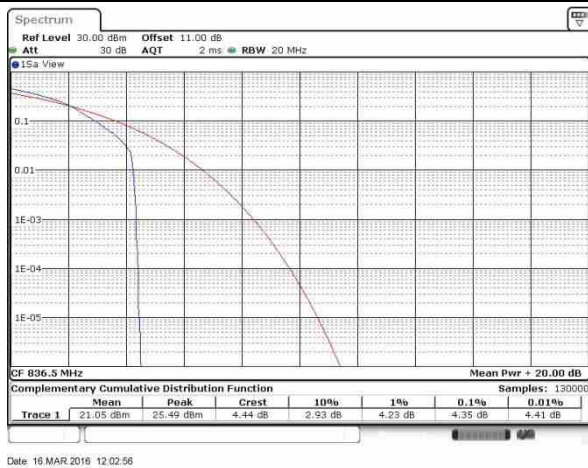
Lowest Channel / 1RB



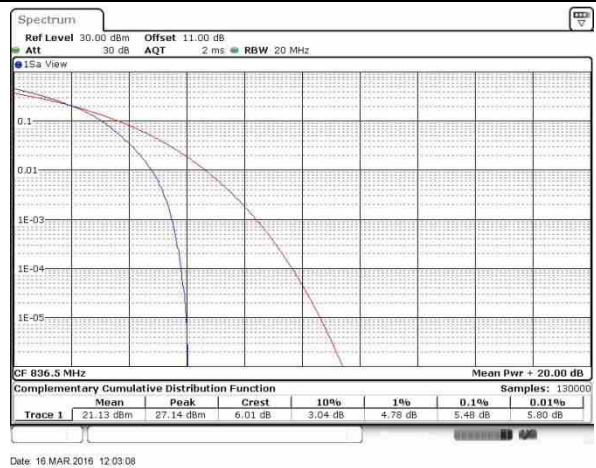
Lowest Channel / Full RB



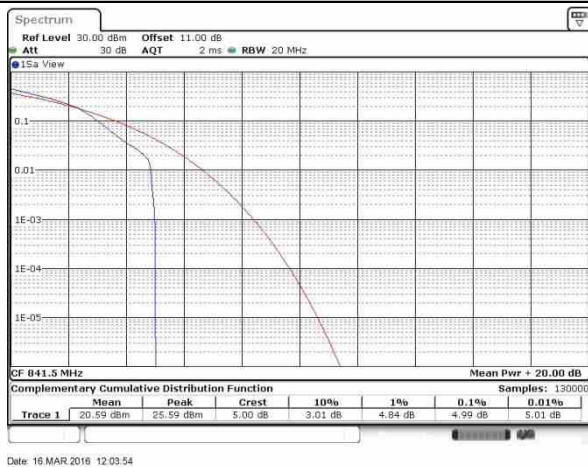
Middle Channel / 1RB



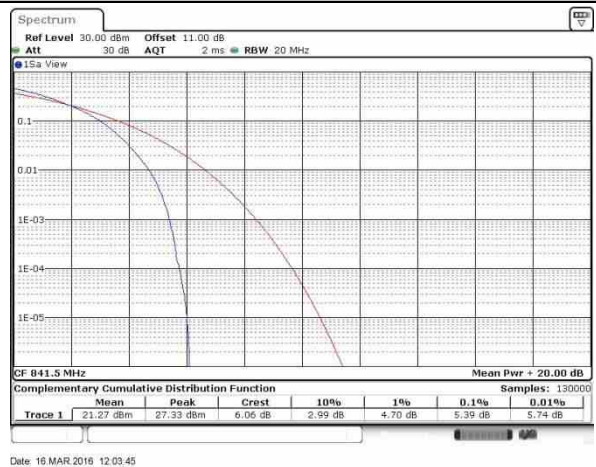
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



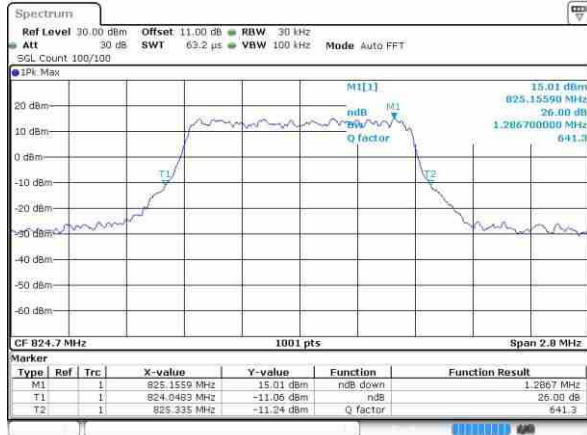
**26dB Bandwidth**

Mode	LTE Band 26 : 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	1.29	1.28	2.96	3.01	4.88	4.9	9.61	9.81	14.6	14.3	-	-
Middle CH	1.3	1.27	3.02	3.03	4.8	4.9	9.65	9.77	14.27	14.45	-	-
Highest CH	1.26	1.27	3.03	2.94	4.85	4.93	9.83	9.81	14.24	14.3	-	-

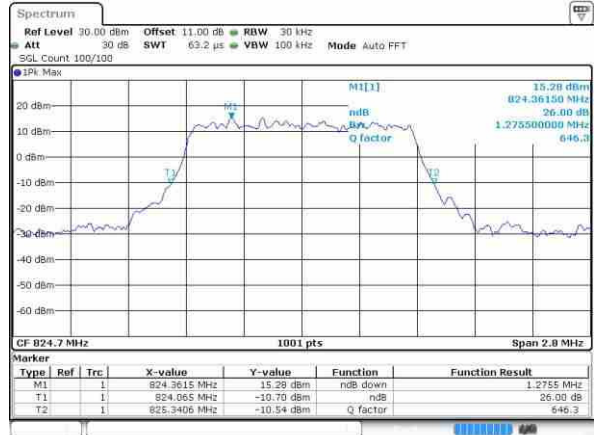


LTE Band 26

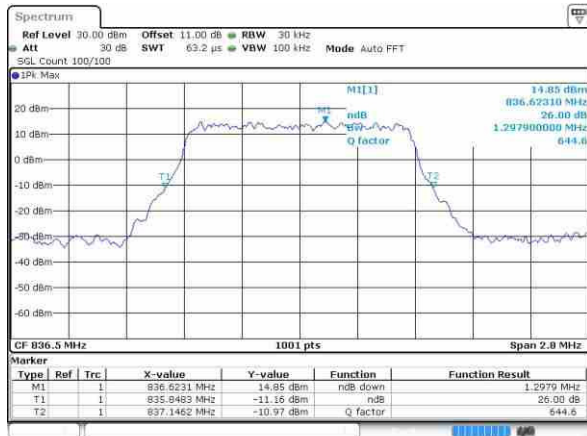
Lowest Channel / 1.4MHz / QPSK



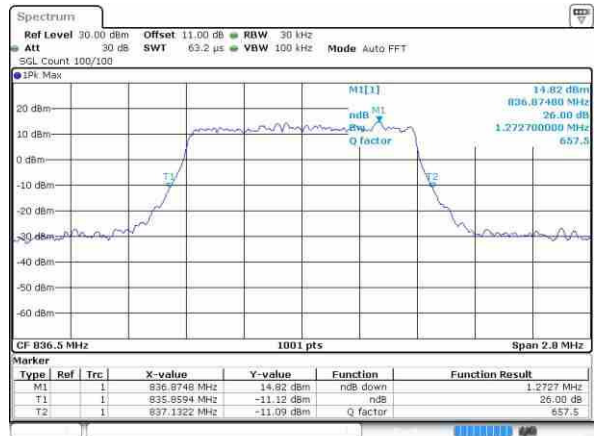
Lowest Channel / 1.4MHz / 16QAM



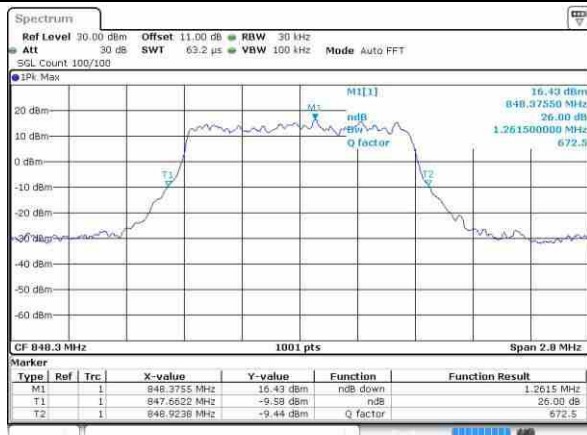
Middle Channel / 1.4MHz / QPSK



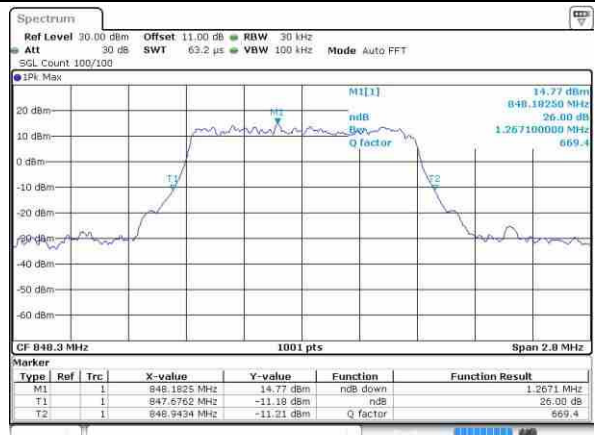
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



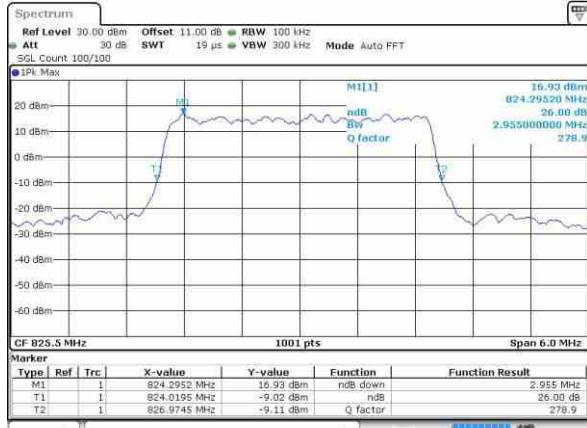
Highest Channel / 1.4MHz / 16QAM



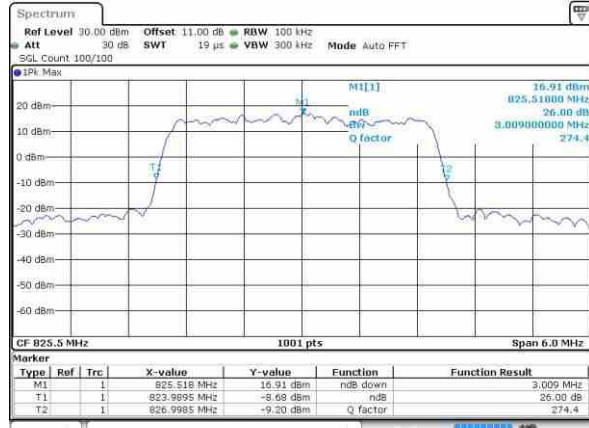


LTE Band 26

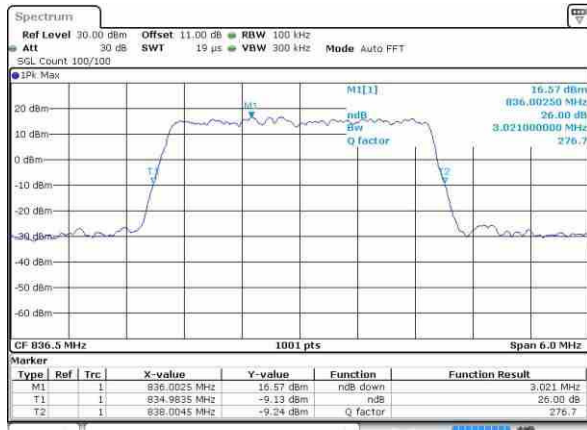
Lowest Channel / 3MHz / QPSK



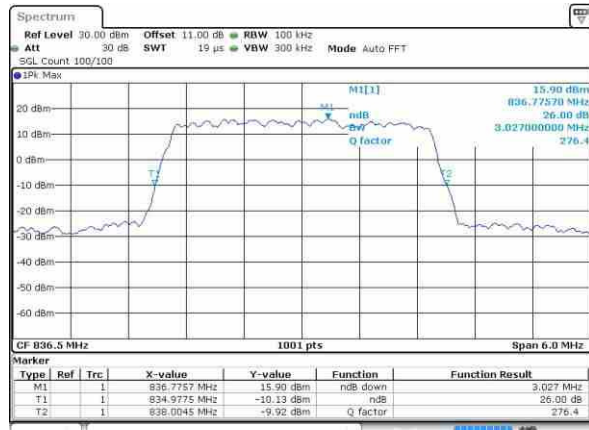
Lowest Channel / 3MHz / 16QAM



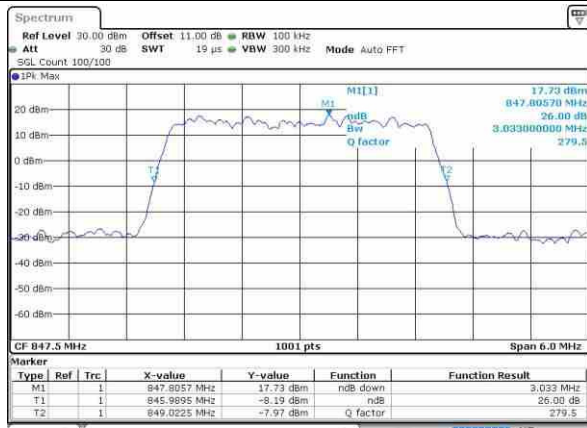
Middle Channel / 3MHz / QPSK



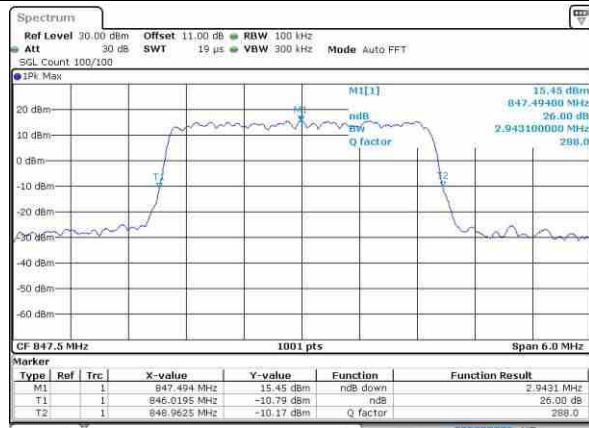
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



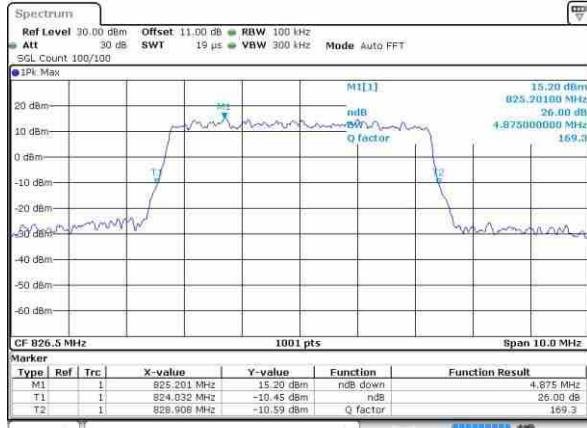
Highest Channel / 3MHz / 16QAM



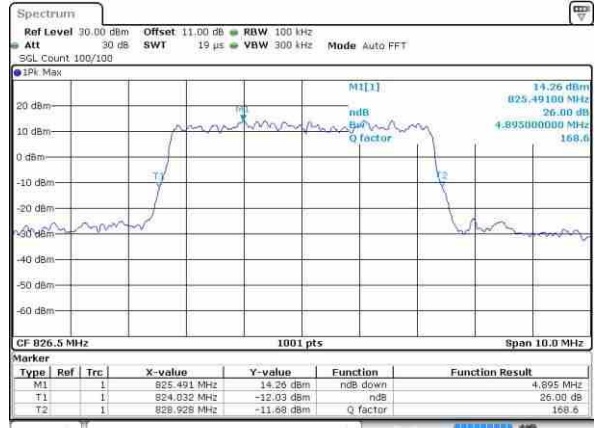


LTE Band 26

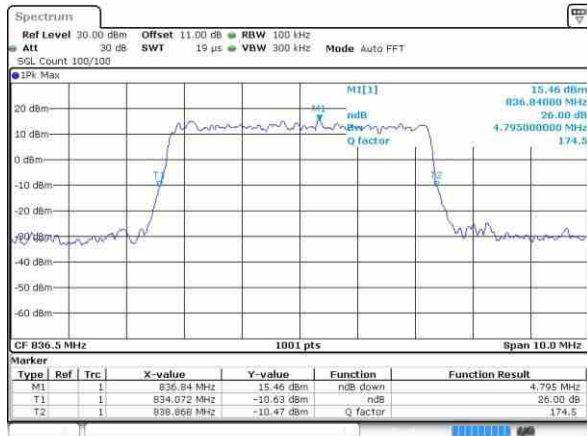
Lowest Channel / 5MHz / QPSK



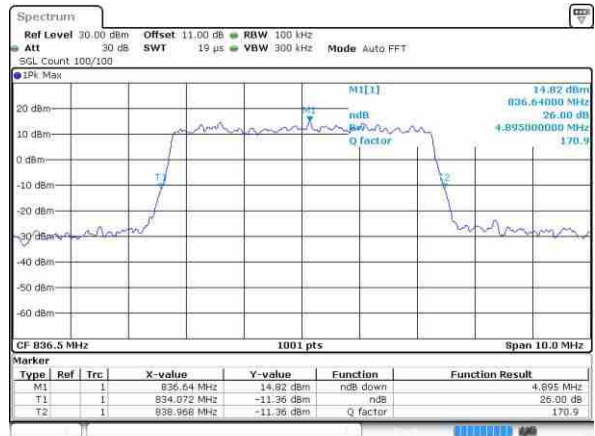
Lowest Channel / 5MHz / 16QAM



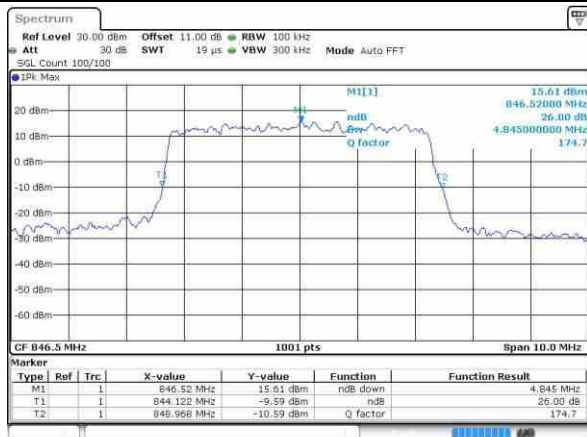
Middle Channel / 5MHz / QPSK



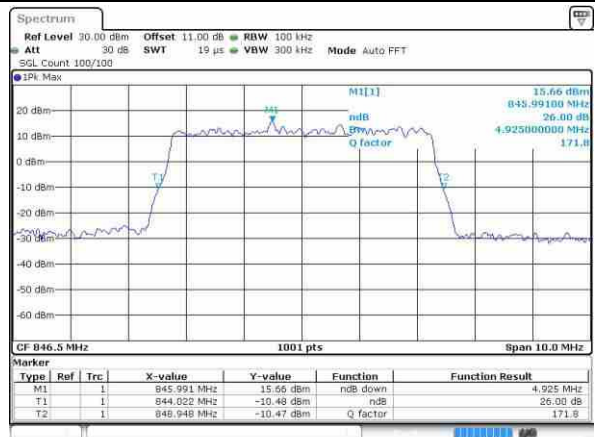
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



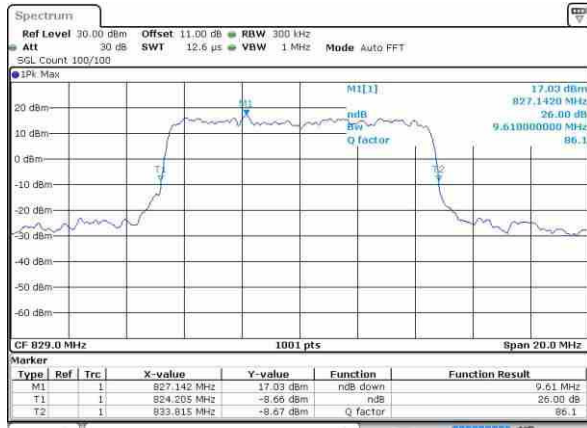
Highest Channel / 5MHz / 16QAM





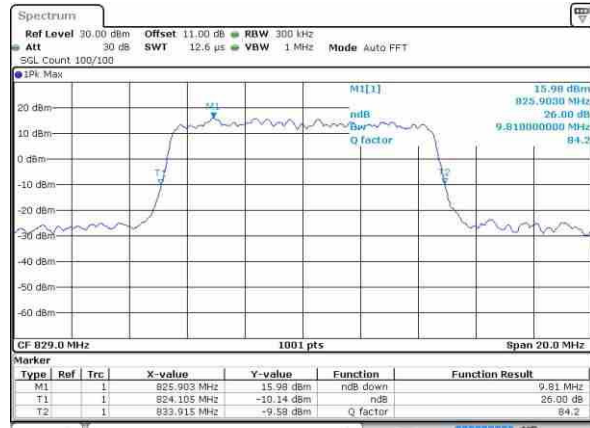
LTE Band 26

Lowest Channel / 10MHz / QPSK



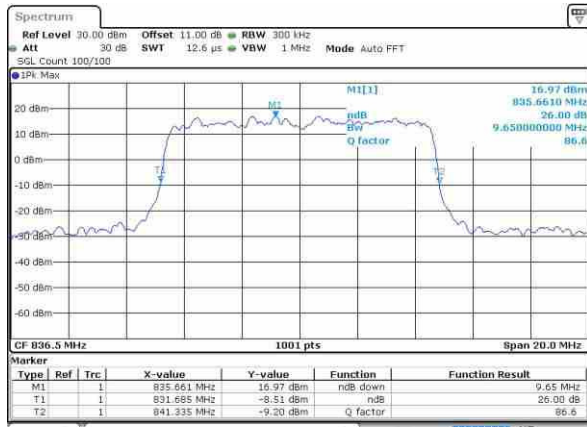
Date: 14 MAR 2016 11:28:29

Lowest Channel / 10MHz / 16QAM



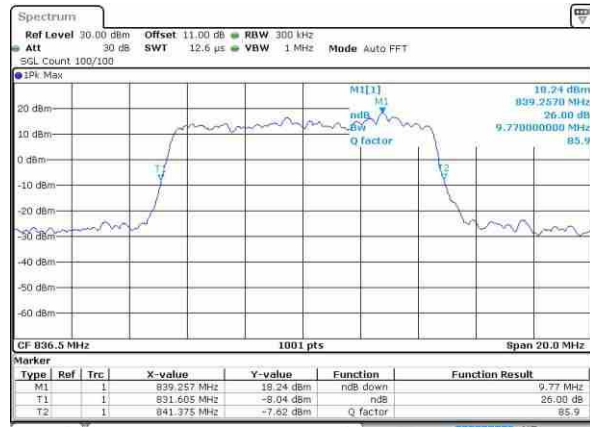
Date: 14 MAR 2016 11:28:18

Middle Channel / 10MHz / QPSK



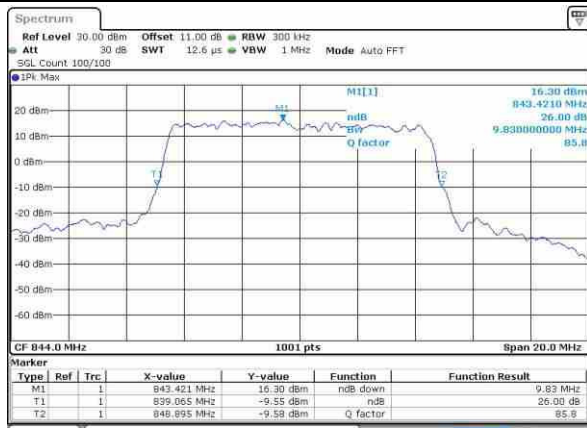
Date: 14 MAR 2016 11:31:00

Middle Channel / 10MHz / 16QAM



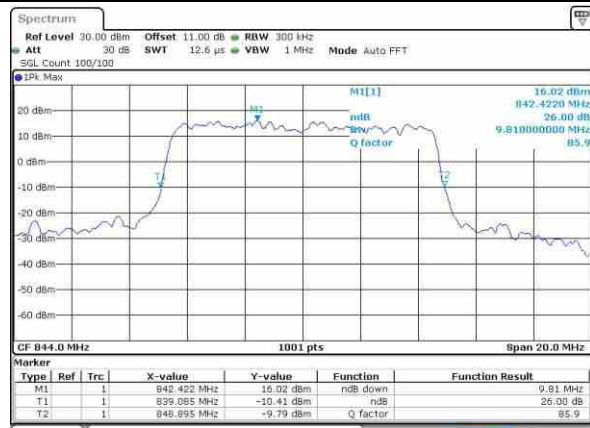
Date: 14 MAR 2016 11:30:49

Highest Channel / 10MHz / QPSK



Date: 14 MAR 2016 11:33:31

Highest Channel / 10MHz / 16QAM

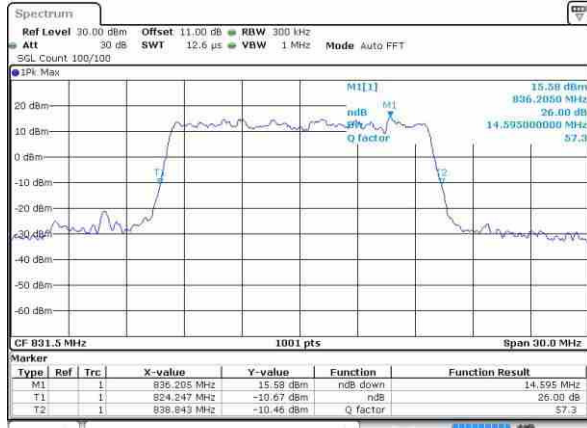


Date: 14 MAR 2016 11:33:20



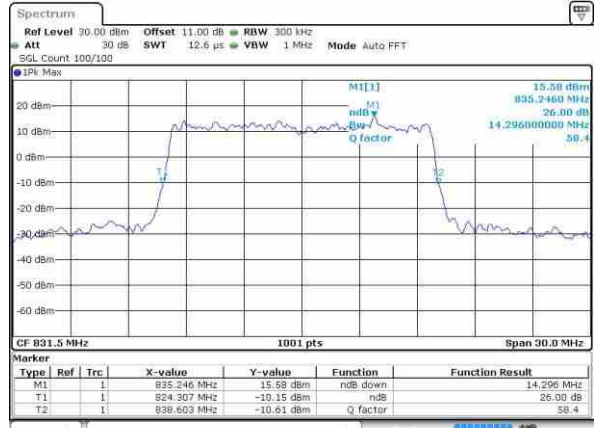
LTE Band 26

Lowest Channel / 15MHz / QPSK



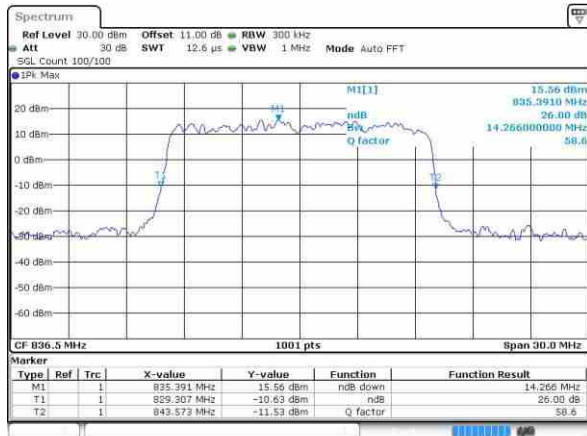
Date: 14 MAR 2016 11:36:01

Lowest Channel / 15MHz / 16QAM



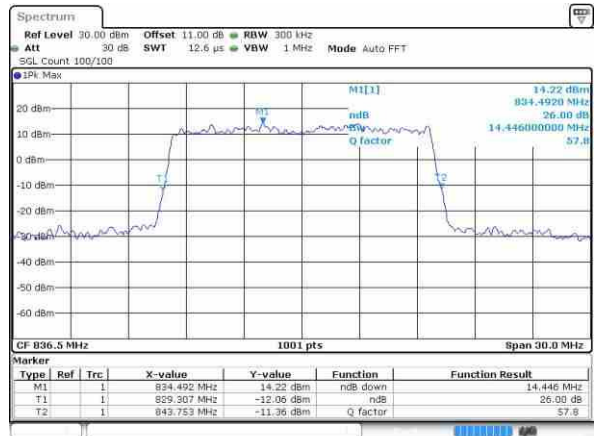
Date: 14 MAR 2016 11:35:51

Middle Channel / 15MHz / QPSK



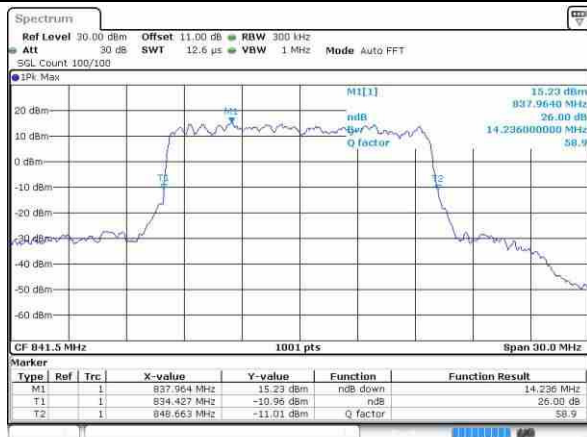
Date: 14 MAR 2016 11:40:26

Middle Channel / 15MHz / 16QAM



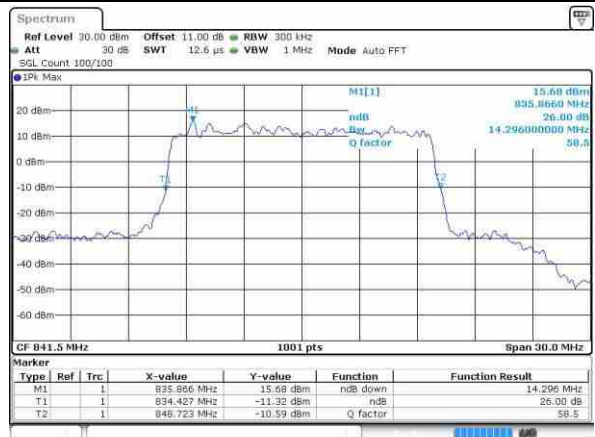
Date: 14 MAR 2016 11:40:15

Highest Channel / 15MHz / QPSK



Date: 14 MAR 2016 11:42:57

Highest Channel / 15MHz / 16QAM



Date: 14 MAR 2016 11:42:46

**Occupied Bandwidth**

Mode	LTE Band 26 : 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	1.09	1.08	2.73	2.72	4.5	4.49	9.07	8.99	13.4	13.4	-	-
Middle CH	1.09	1.09	2.7	2.69	4.48	4.51	9.05	9.01	13.46	13.37	-	-
Highest CH	1.09	1.1	2.71	2.7	4.5	4.48	9.01	8.99	13.34	13.46	-	-