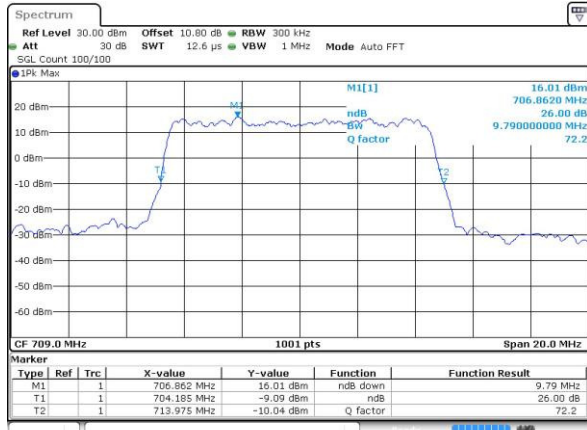


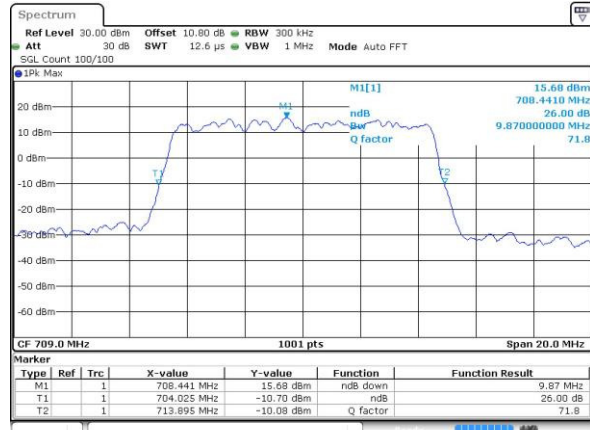


LTE Band 17

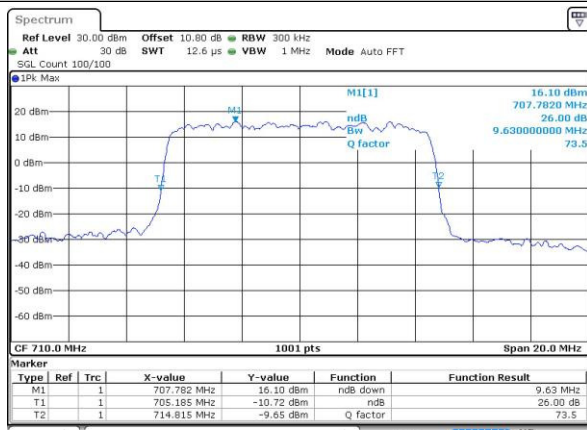
Lowest Channel / 10MHz / QPSK



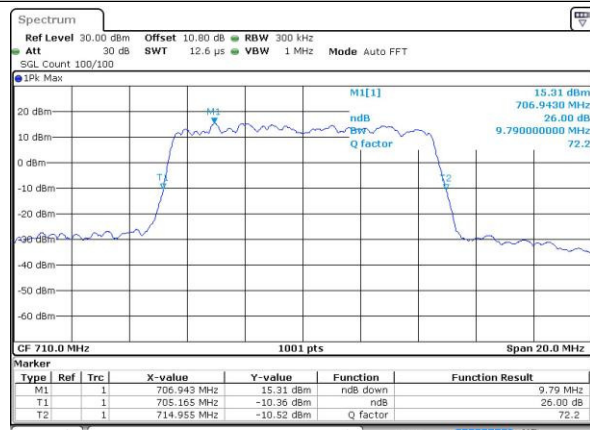
Lowest Channel / 10MHz / 16QAM



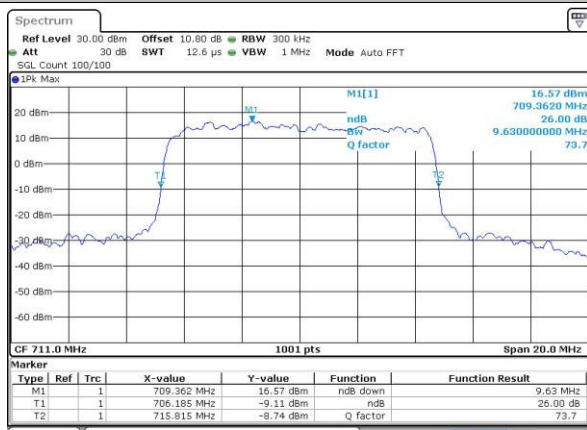
Middle Channel / 10MHz / QPSK



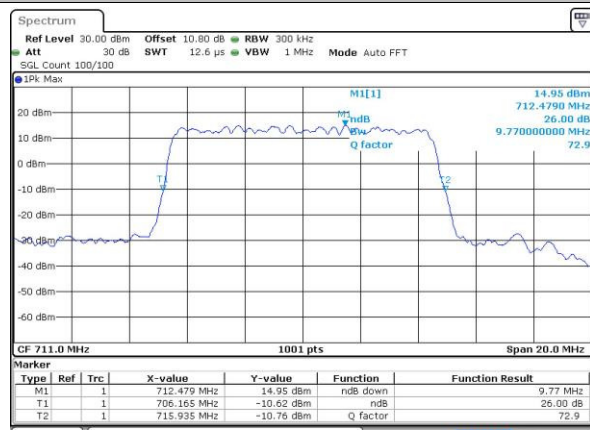
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



Highest Channel / 10MHz / 16QAM



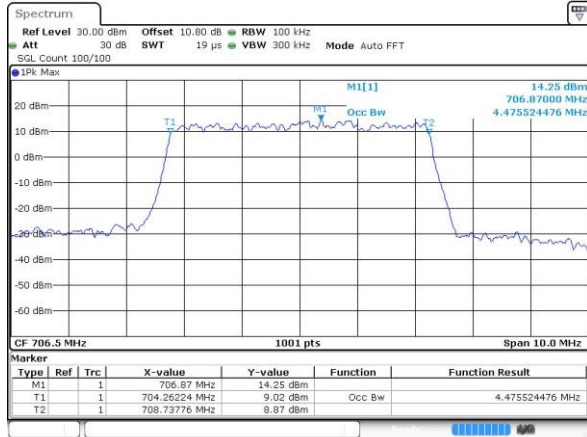
**Occupied Bandwidth**

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	-	-	-	-	4.48	4.49	8.95	8.99	-	-	-	-
Middle CH	-	-	-	-	4.47	4.47	8.99	8.99	-	-	-	-
Highest CH	-	-	-	-	4.48	4.5	9.01	9.01	-	-	-	-

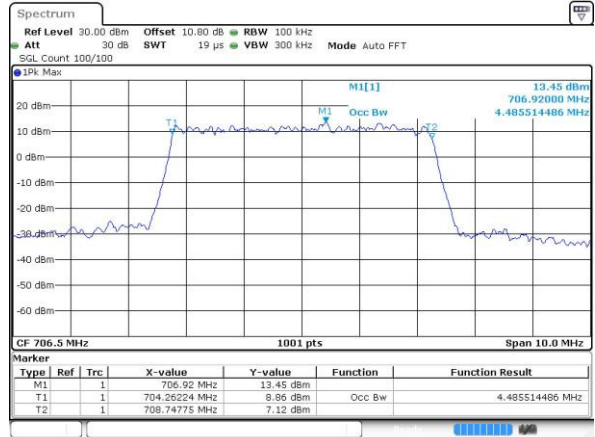


LTE Band 17

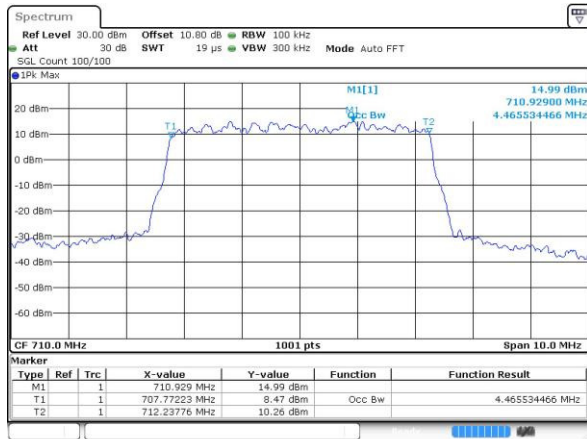
Lowest Channel / 5MHz / QPSK



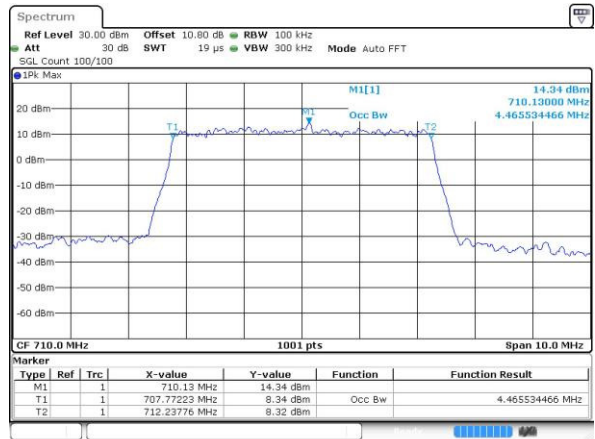
Lowest Channel / 5MHz / 16QAM



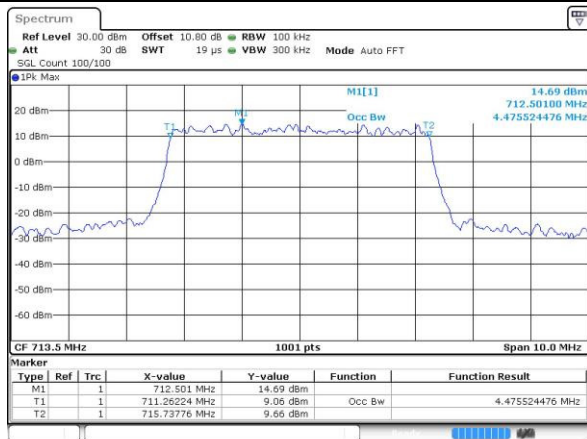
Middle Channel / 5MHz / QPSK



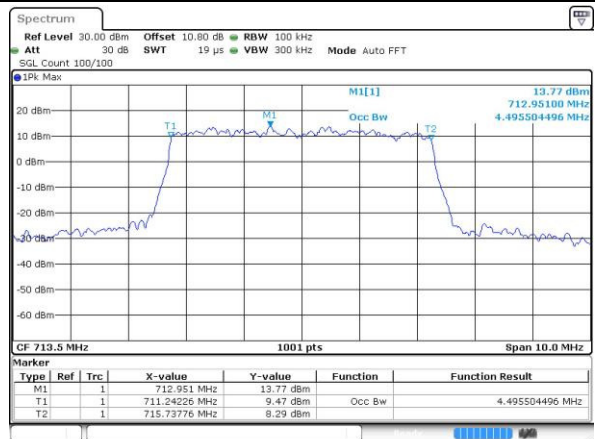
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



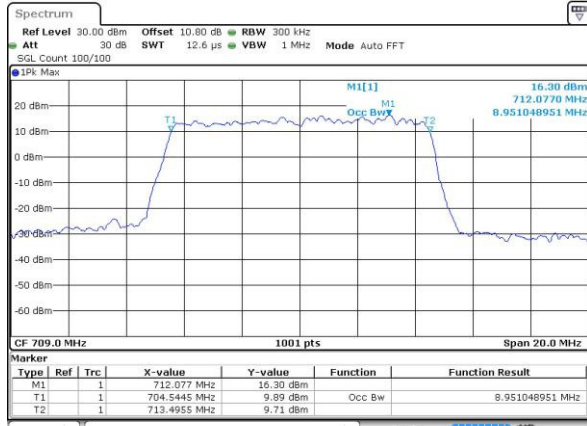
Highest Channel / 5MHz / 16QAM



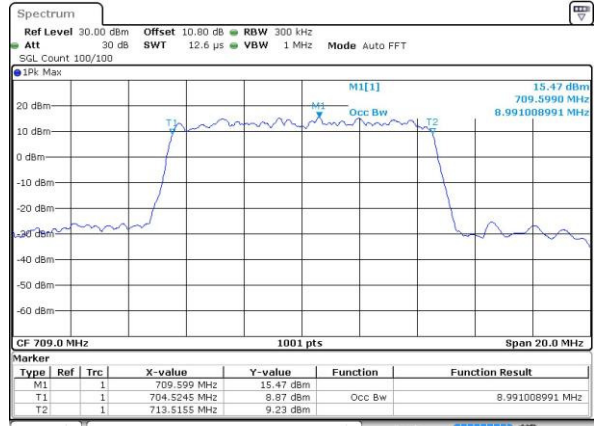


LTE Band 17

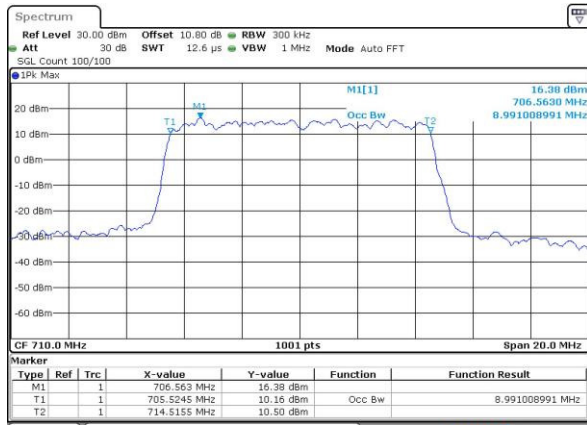
Lowest Channel / 10MHz / QPSK



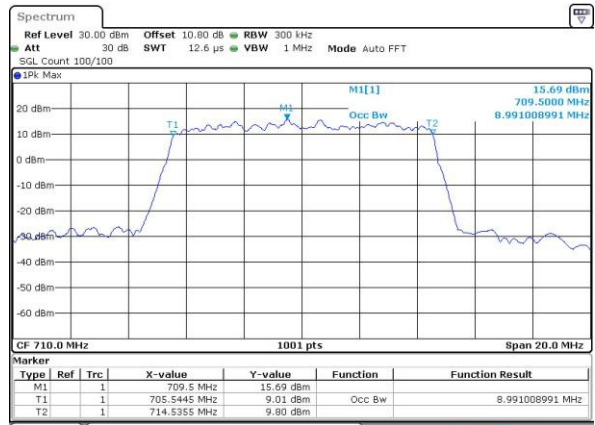
Lowest Channel / 10MHz / 16QAM



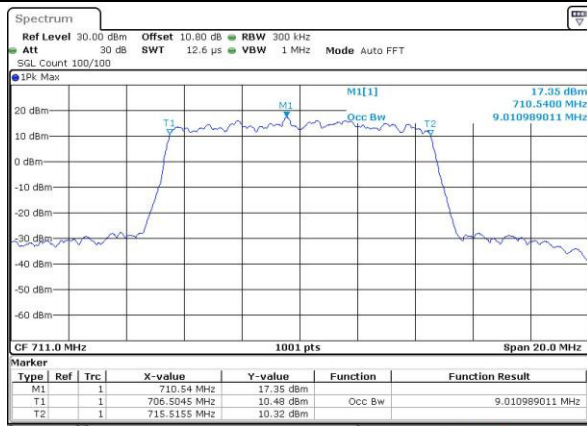
Middle Channel / 10MHz / QPSK



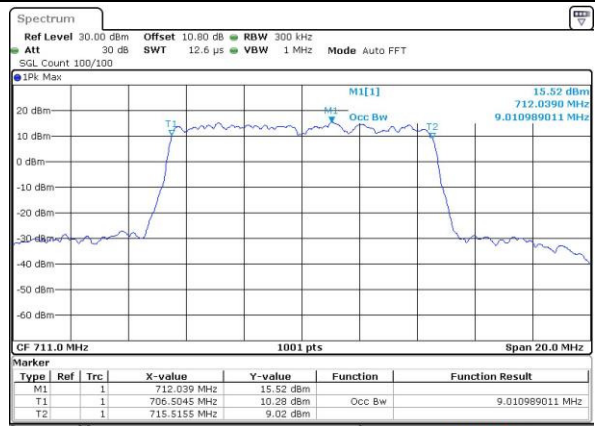
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



Highest Channel / 10MHz / 16QAM



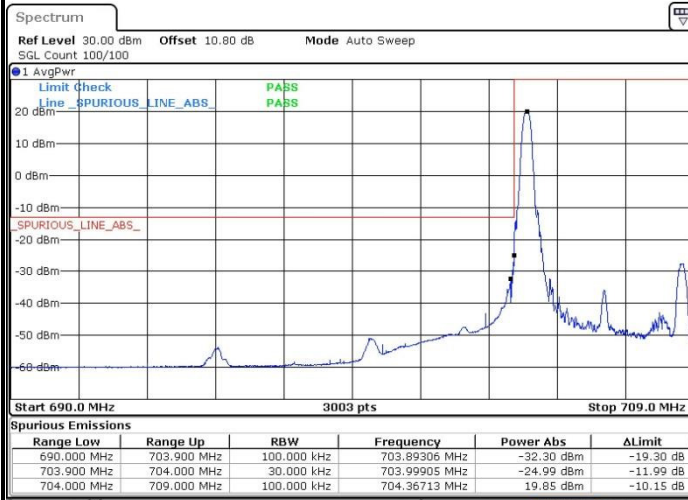


Conducted Band Edge



LTE Band 17 / 5MHz / QPSK

Lowest Band Edge / 1 RB



Date: 15 JUN 2016 13:29:40

Highest Band Edge / 1 RB



Date: 15 JUN 2016 13:40:08

Lowest Band Edge / Full RB



Date: 15 JUN 2016 13:32:06

Highest Band Edge / Full RB

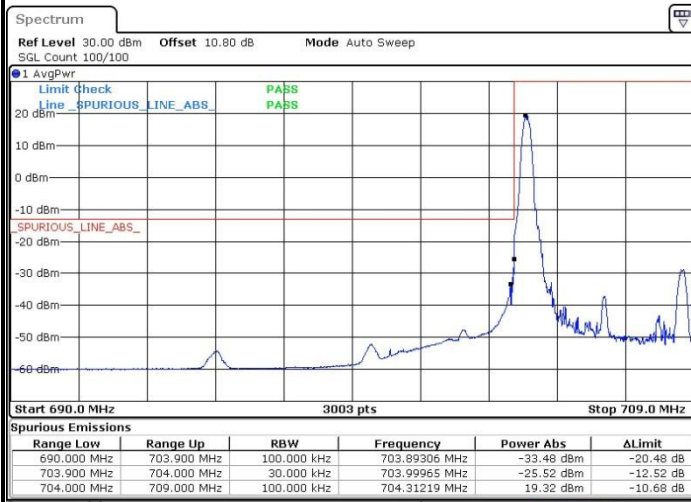


Date: 15 JUN 2016 13:42:33

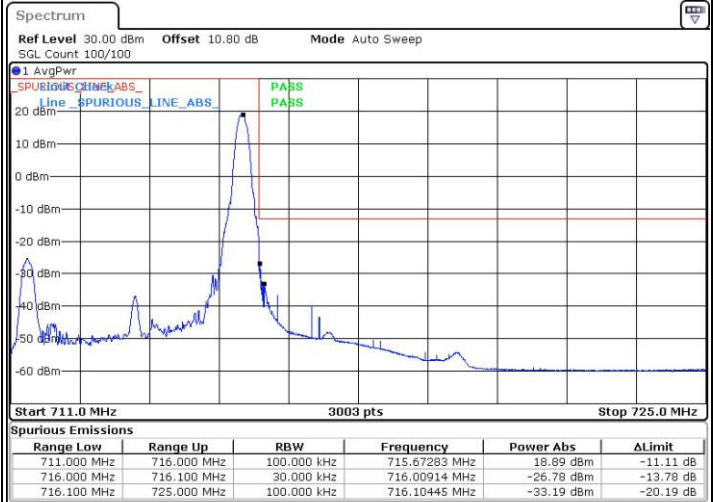


LTE Band 17 / 5MHz / 16QAM

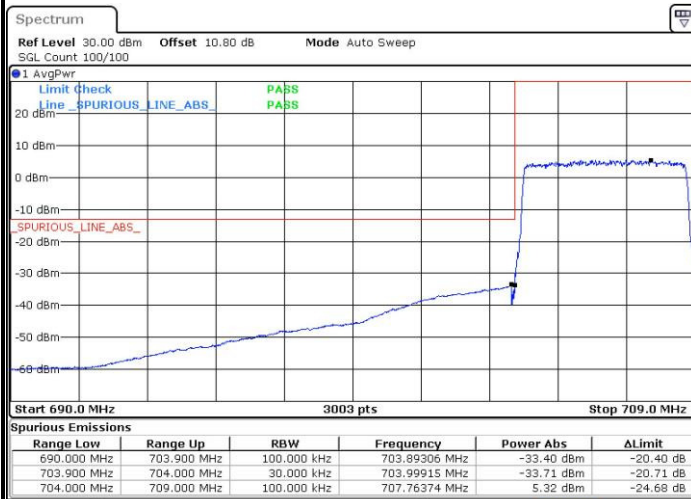
Lowest Band Edge / 1 RB



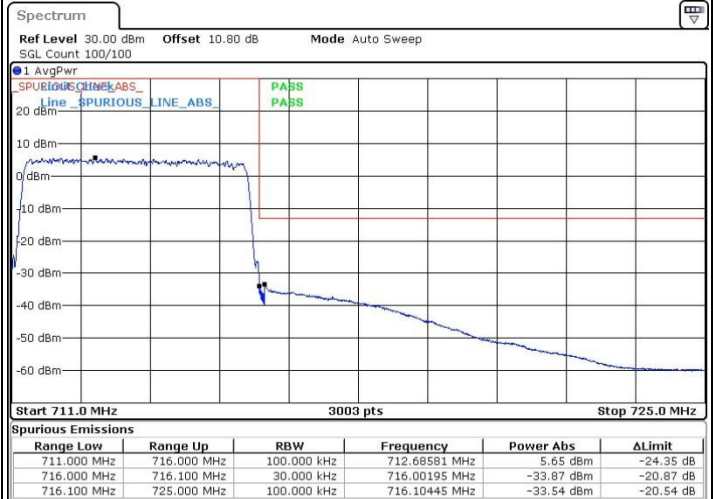
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



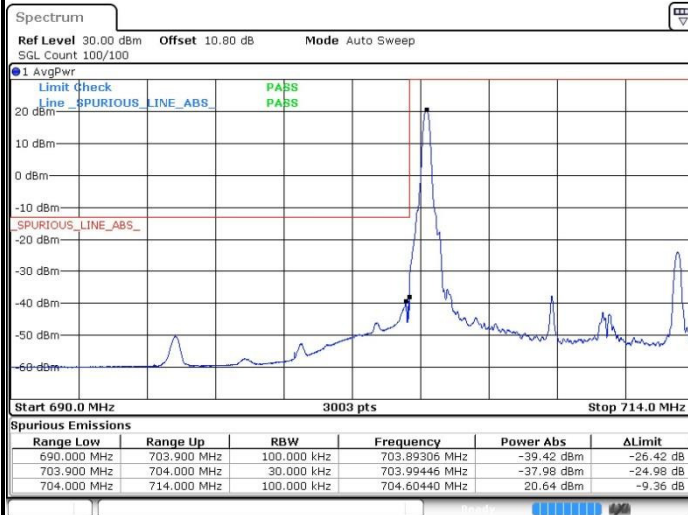
Highest Band Edge / Full RB



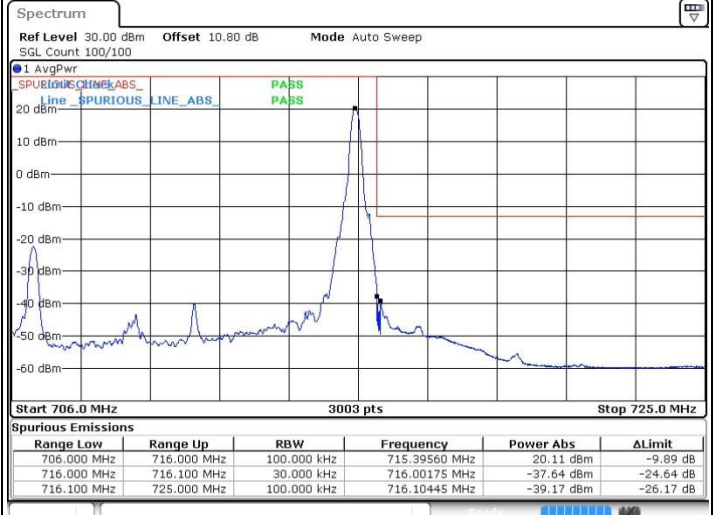


LTE Band 17 / 10MHz / QPSK

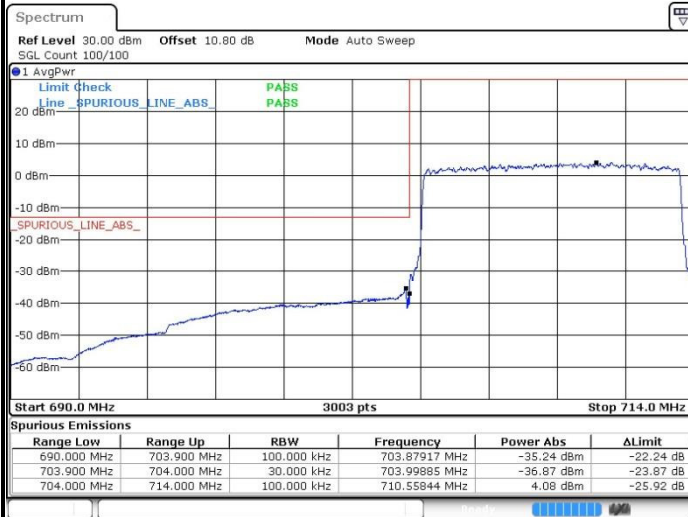
Lowest Band Edge / 1 RB



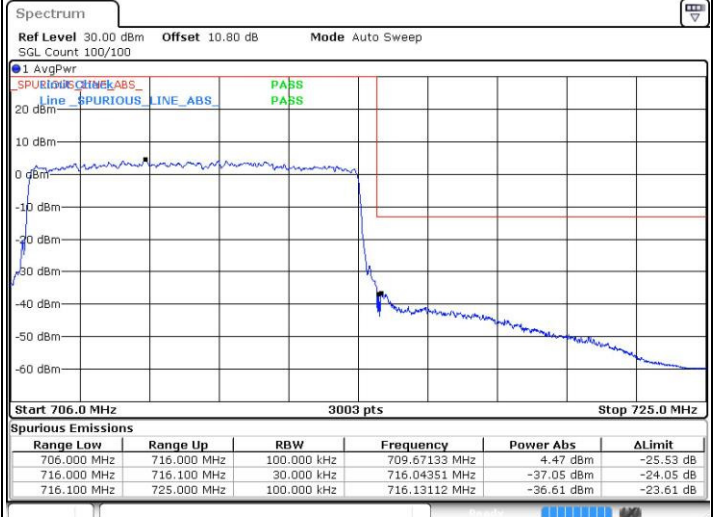
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



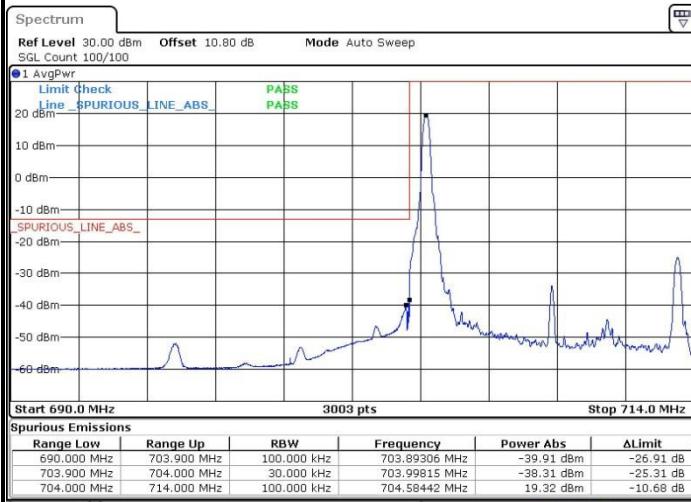
Highest Band Edge / Full RB



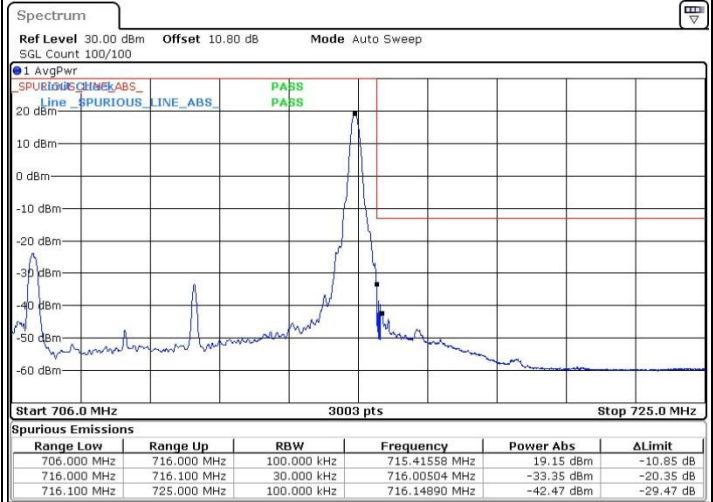


LTE Band 17 / 10MHz / 16QAM

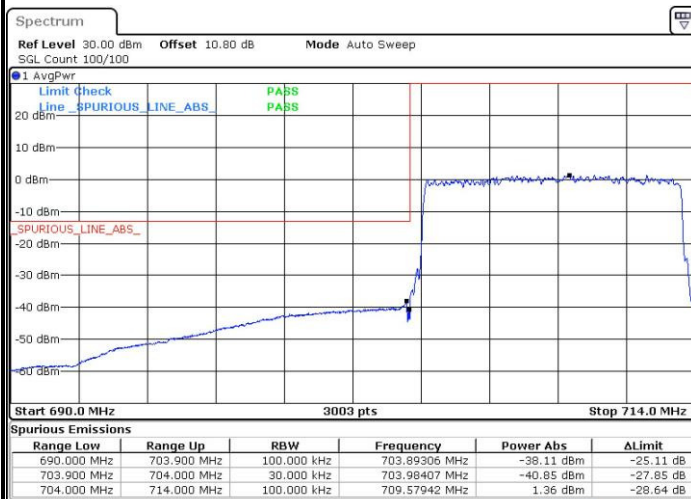
Lowest Band Edge / 1 RB



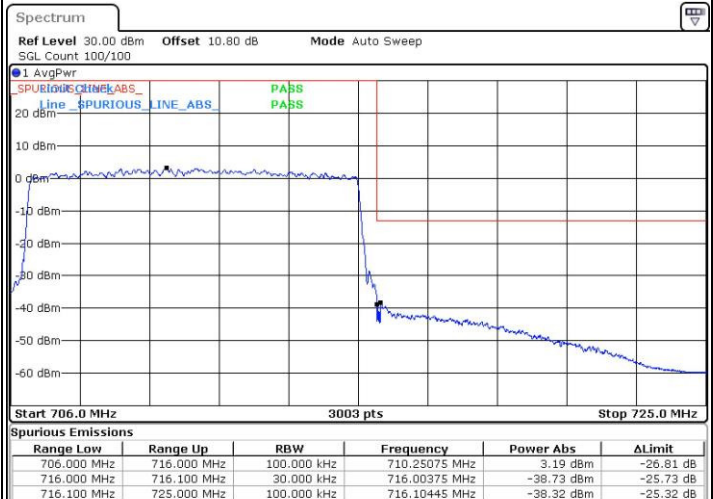
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



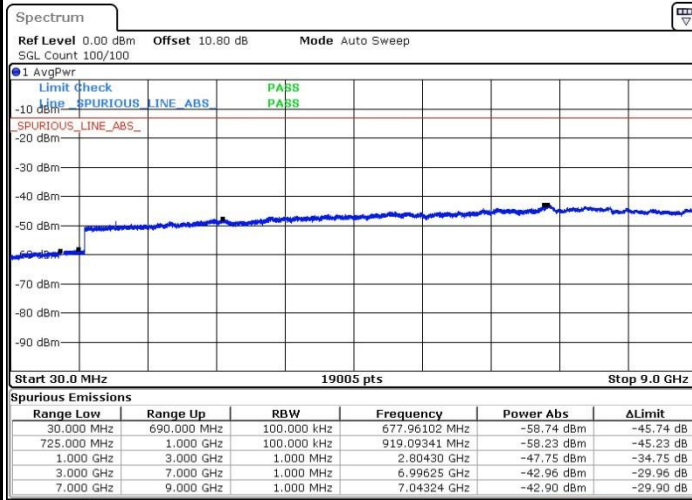


Conducted Spurious Emission



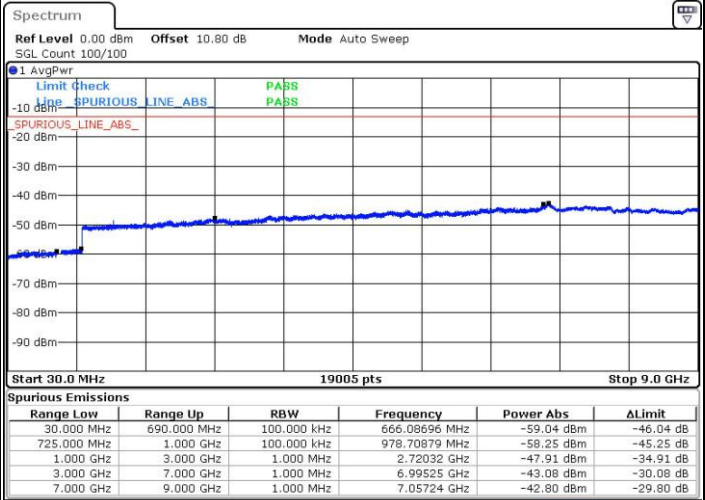
LTE Band 17 / 5MHz

Lowest Channel / QPSK



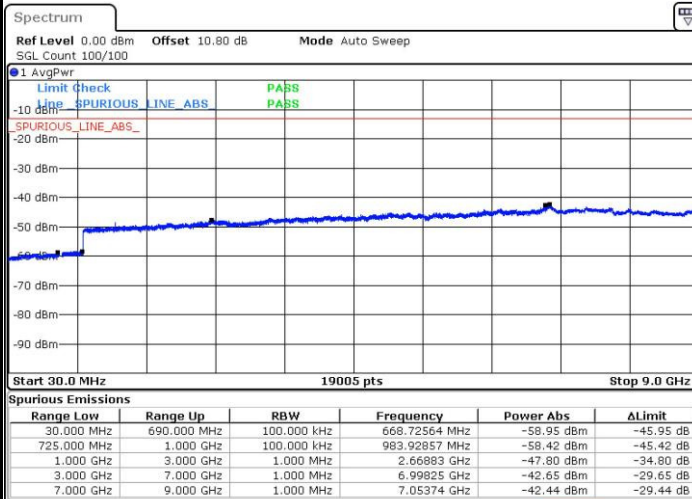
Date: 15 JUN 2016 13:34:21

Lowest Channel / 16QAM



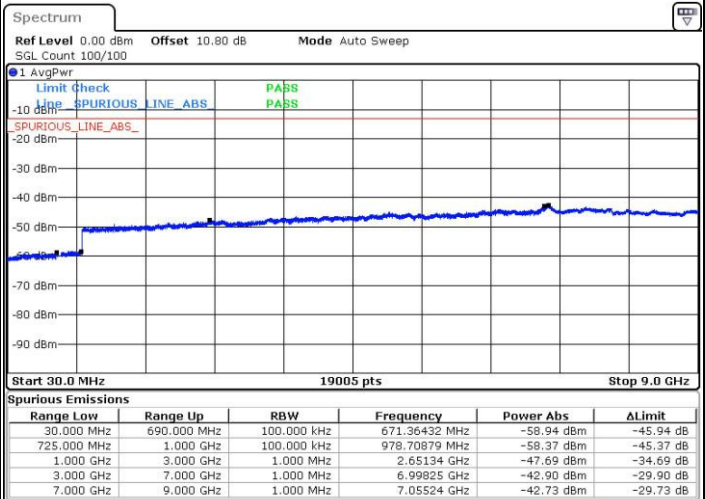
Date: 15 JUN 2016 13:35:23

Middle Channel / QPSK



Date: 15 JUN 2016 13:37:10

Middle Channel / 16QAM

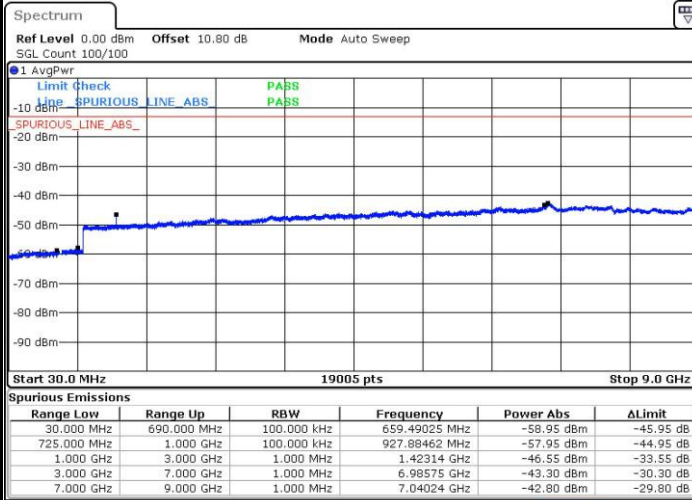


Date: 15 JUN 2016 13:38:13



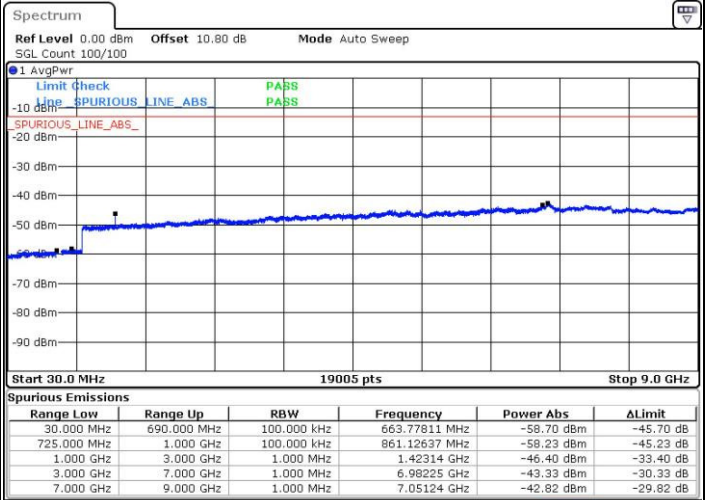
LTE Band 17 / 5MHz

Highest Channel / QPSK



Date: 15 JUN 2016 13:44:49

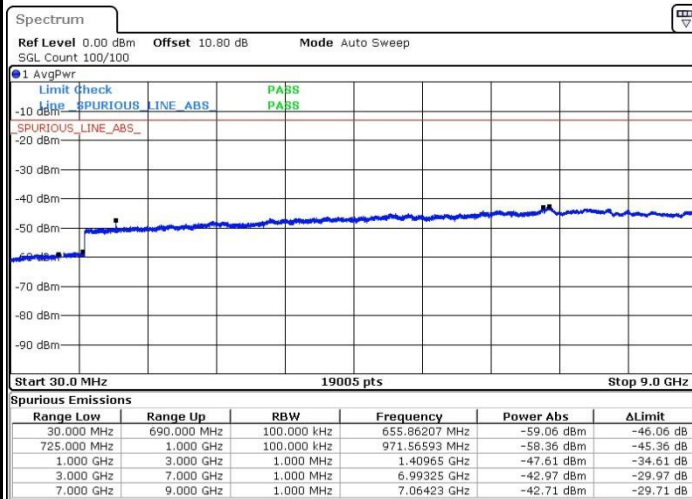
Highest Channel / 16QAM



Date: 15 JUN 2016 13:45:52

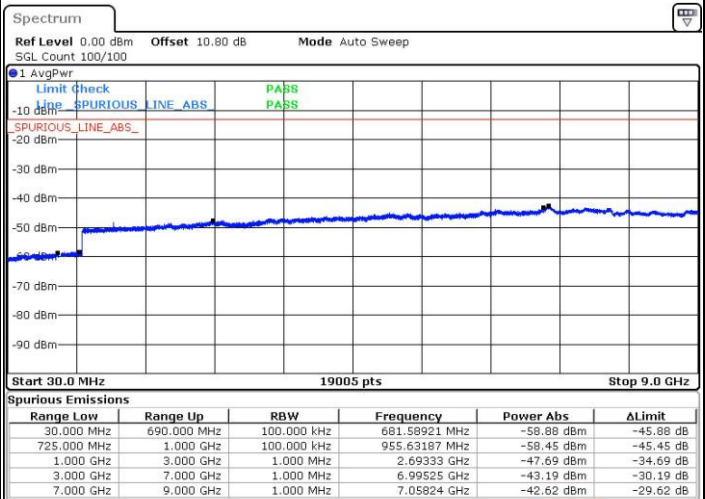
LTE Band 17 / 10MHz

Lowest Channel / QPSK



Date: 15 JUN 2016 14:34:18

Lowest Channel / 16QAM

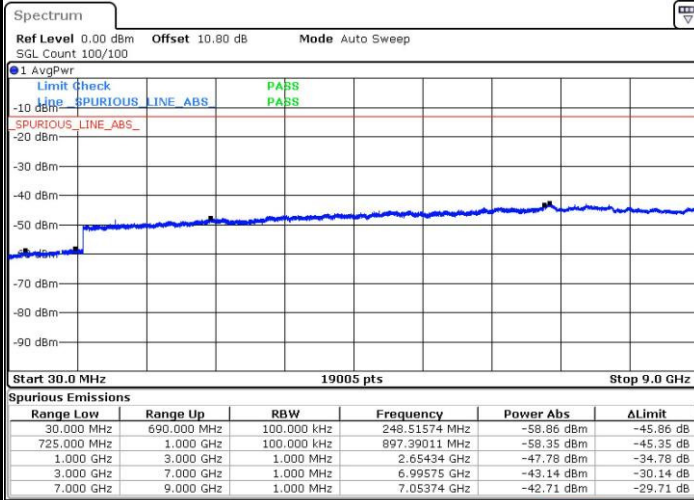


Date: 15 JUN 2016 14:35:21



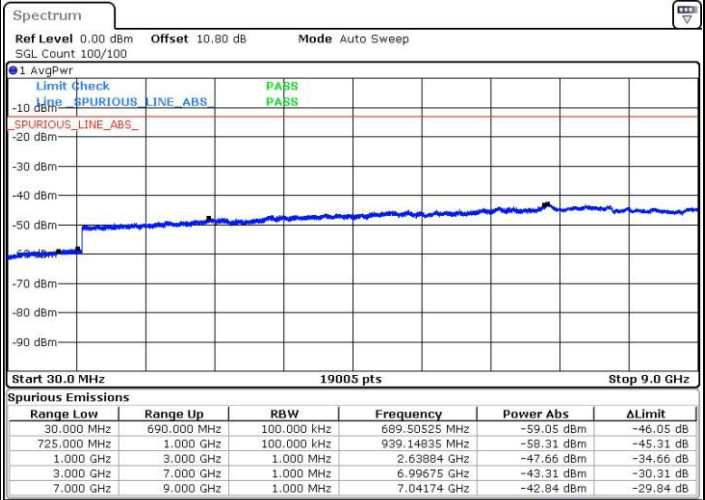
LTE Band 17 / 10MHz

Middle Channel / QPSK



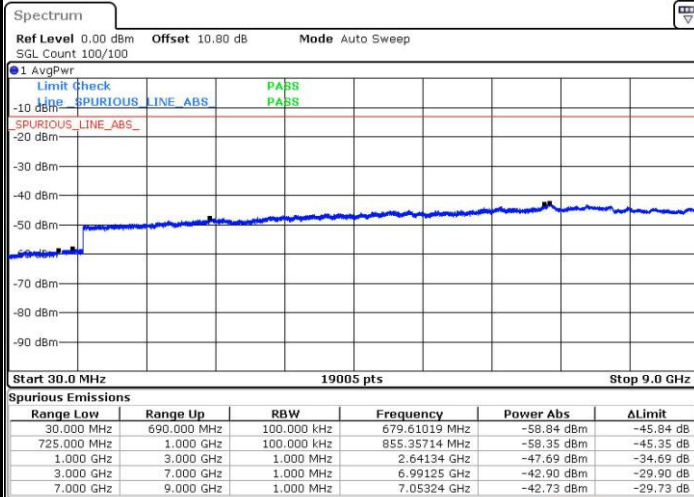
Date: 15 JUN 2016 14:37:08

Middle Channel / 16QAM



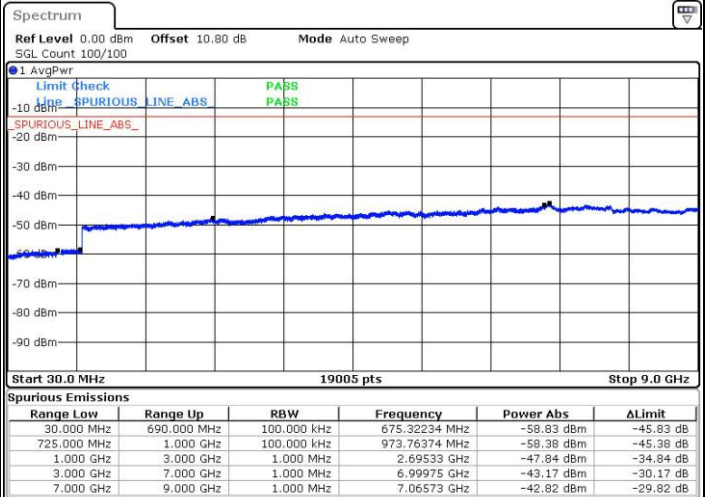
Date: 15 JUN 2016 14:38:10

Highest Channel / QPSK



Date: 15 JUN 2016 15:31:50

Highest Channel / 16QAM



Date: 15 JUN 2016 15:32:53

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	0.0096	PASS
40	Normal Voltage	0.0099	
30	Normal Voltage	0.0014	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0123	
0	Normal Voltage	0.0003	
-10	Normal Voltage	0.0121	
-20	Normal Voltage	0.0014	
-30	Normal Voltage	0.0089	
20	Maximum Voltage	0.0018	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0021	

Note:

1. Normal Voltage = 3.9 V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage =4.35 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



LTE Band 38

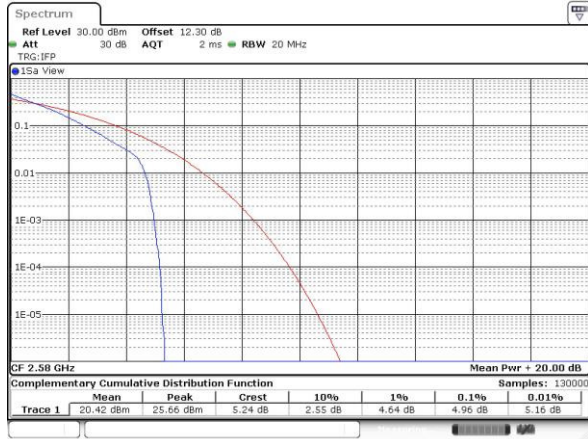
Peak-to-Average Ratio

Mode	LTE Band 38 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.96	5.28	5.74	6.2	PASS
Middle CH	4.99	5.45	6.17	6.43	
Highest CH	5.1	5.62	6.09	6.58	

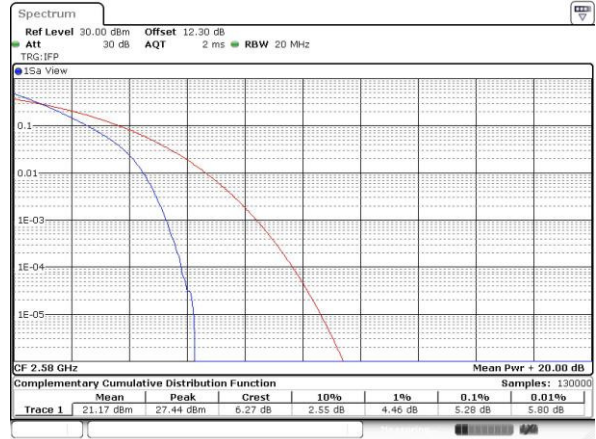


LTE Band 38 / 20MHz / QPSK

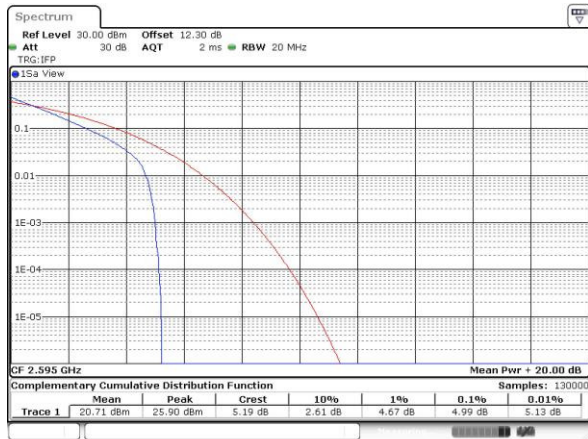
Lowest Channel / 1RB



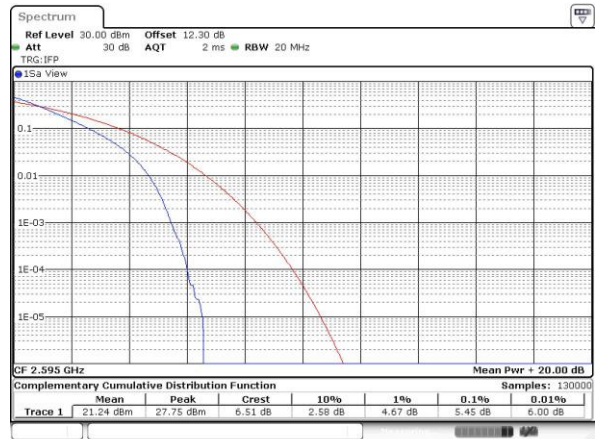
Lowest Channel / Full RB



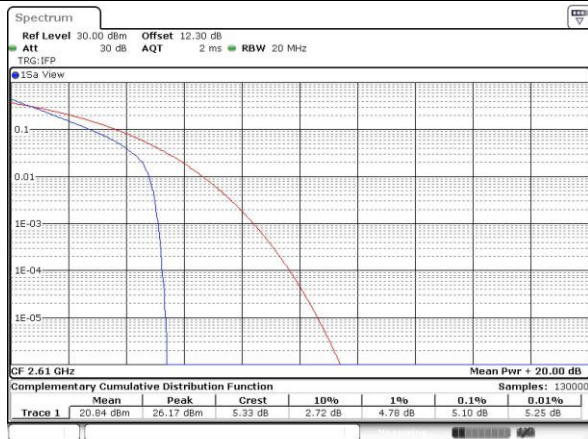
Middle Channel / 1RB



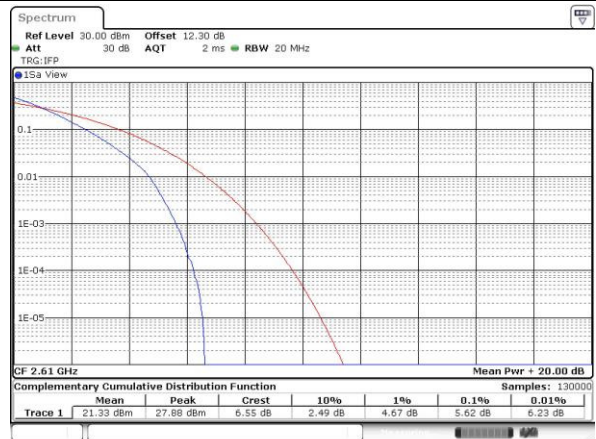
Middle Channel / Full RB



Highest Channel / 1RB



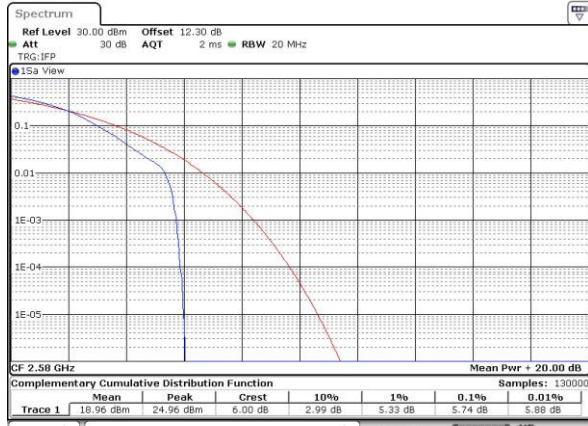
Highest Channel / Full RB





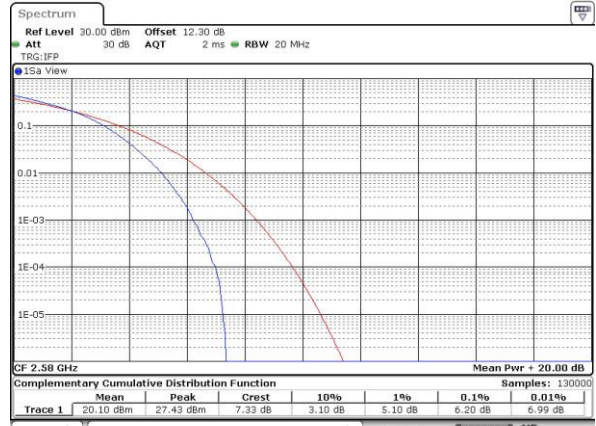
LTE Band 38 / 20MHz / 16QAM

Lowest Channel / 1RB



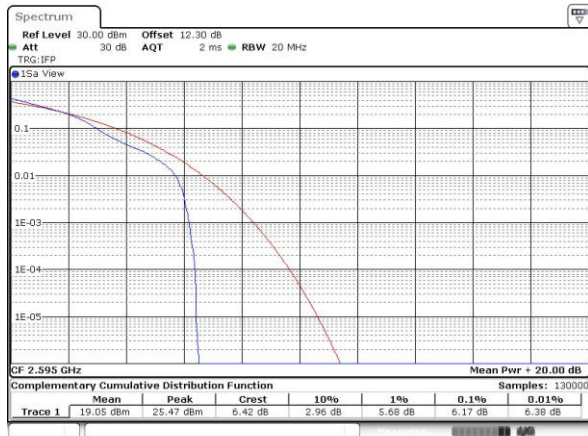
Date: 16 JUN 2016 12:46:44

Lowest Channel / Full RB



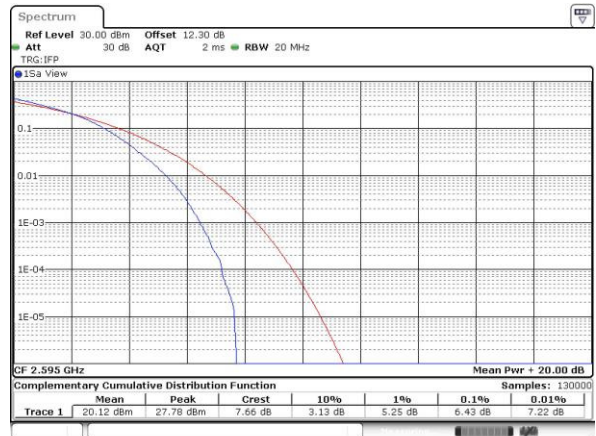
Date: 16 JUN 2016 12:39:30

Middle Channel / 1RB



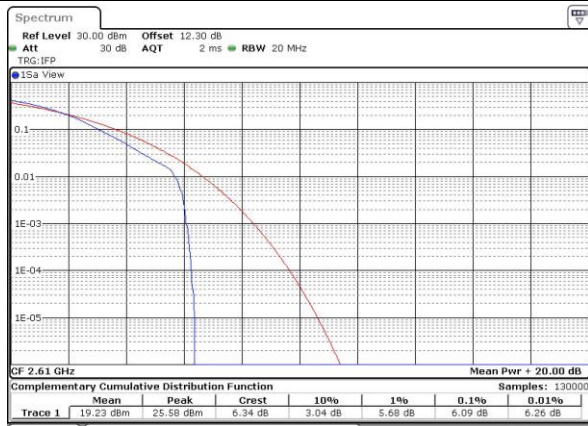
Date: 16 JUN 2016 12:42:48

Middle Channel / Full RB



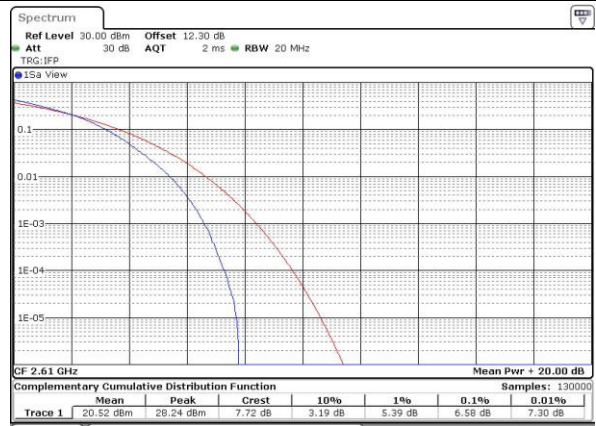
Date: 16 JUN 2016 12:43:08

Highest Channel / 1RB



Date: 16 JUN 2016 12:43:27

Highest Channel / Full RB



Date: 16 JUN 2016 12:44:13

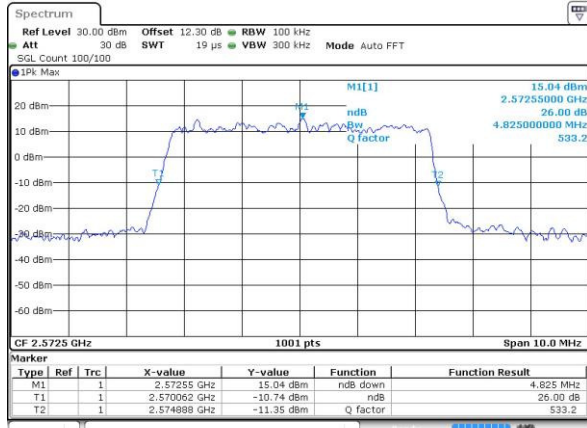
**26dB Bandwidth**

Mode	LTE Band 38 : 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	-	-	-	-	4.83	4.80	9.71	9.77	14.21	14.39	20.18	20.02
Middle CH	-	-	-	-	4.82	4.75	9.63	9.63	14.15	14.54	20.30	20.10
Highest CH	-	-	-	-	4.85	4.84	9.73	9.69	14.36	14.30	20.14	20.06



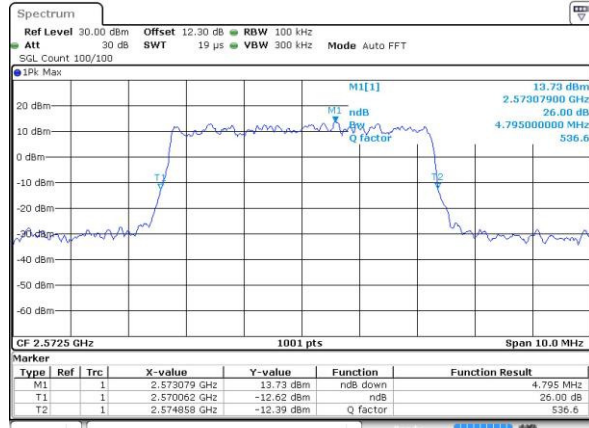
LTE Band 38

Lowest Channel / 5MHz / QPSK



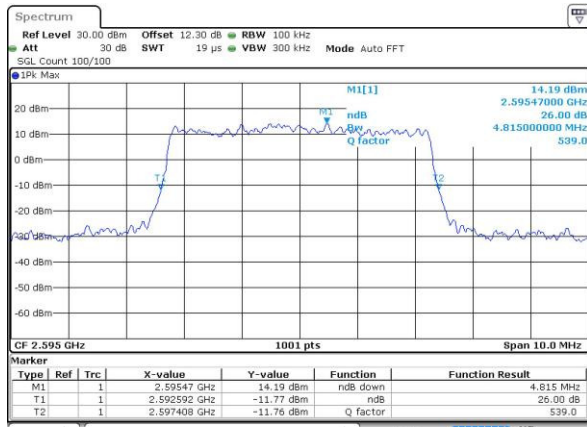
Date: 16 JUN 2016 11:29:39

Lowest Channel / 5MHz / 16QAM



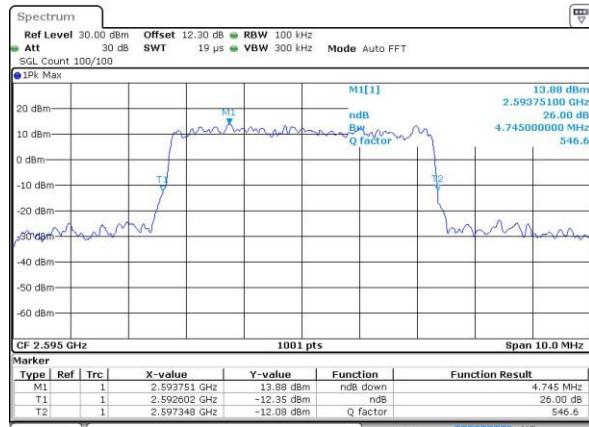
Date: 16 JUN 2016 11:29:50

Middle Channel / 5MHz / QPSK



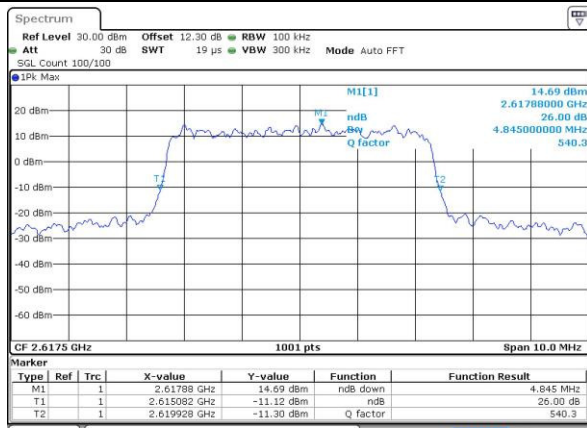
Date: 16 JUN 2016 18:25:52

Middle Channel / 5MHz / 16QAM



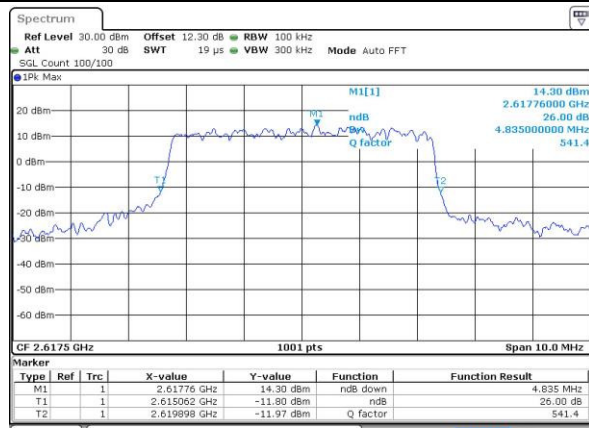
Date: 16 JUN 2016 11:37:02

Highest Channel / 5MHz / QPSK



Date: 16 JUN 2016 11:39:23

Highest Channel / 5MHz / 16QAM

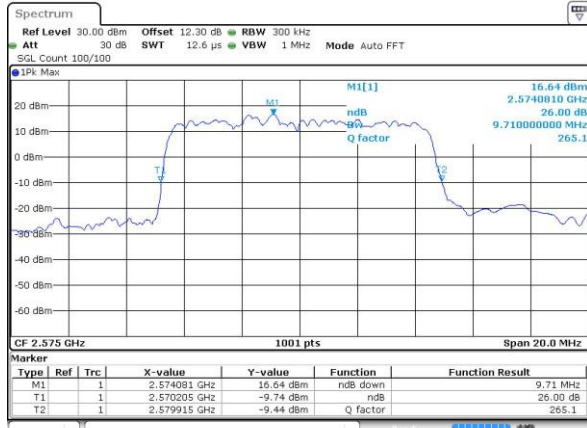


Date: 16 JUN 2016 11:39:34

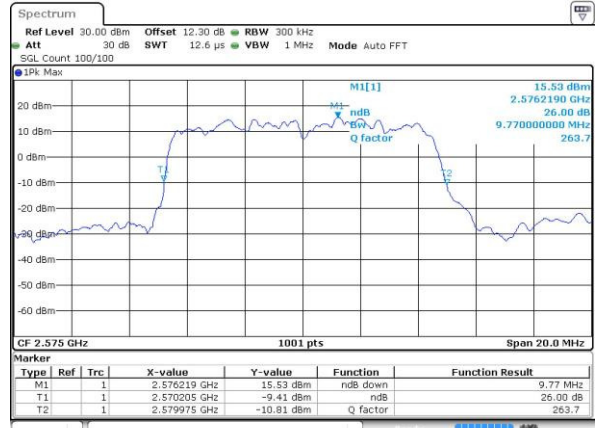


LTE Band 38

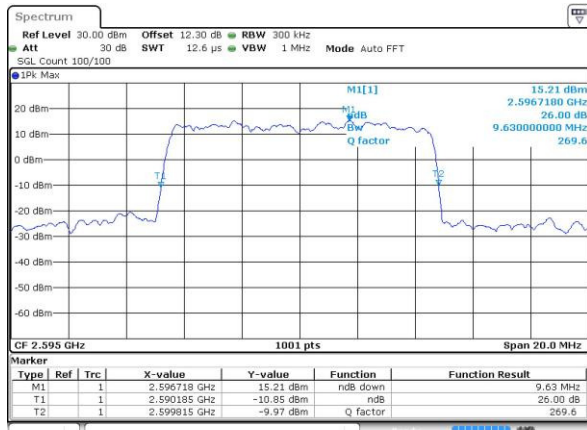
Lowest Channel / 10MHz / QPSK



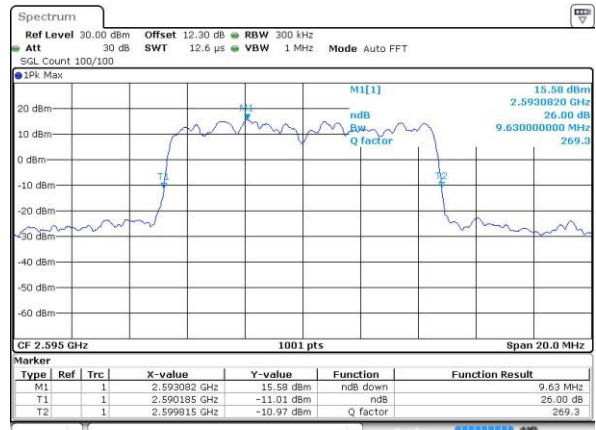
Lowest Channel / 10MHz / 16QAM



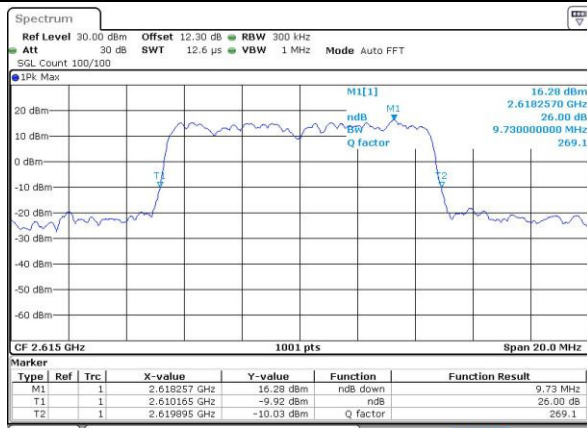
Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



Highest Channel / 10MHz / 16QAM

