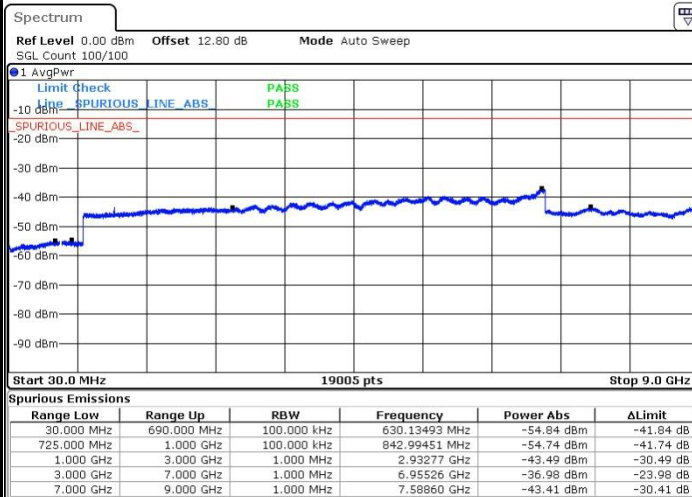




Conducted Spurious Emission

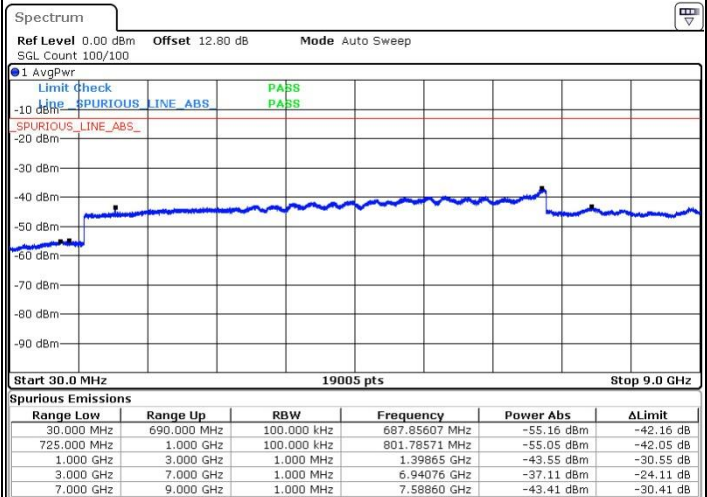
LTE Band 12 / 1.4MHz

Lowest Channel / QPSK



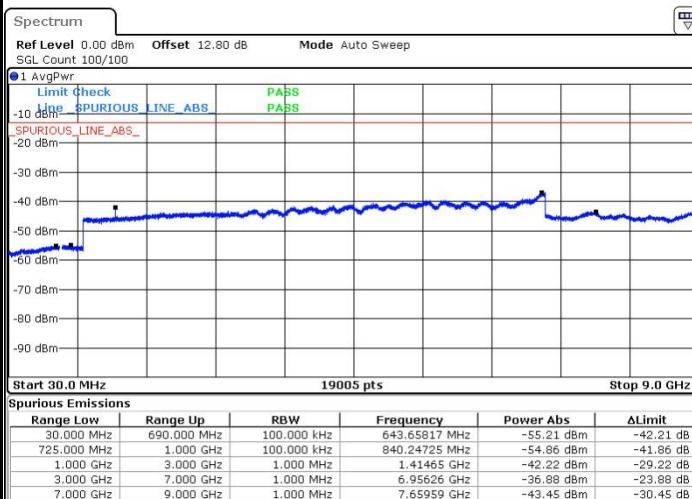
Date: 23.AUG.2015 14:51:36

Lowest Channel / 16QAM



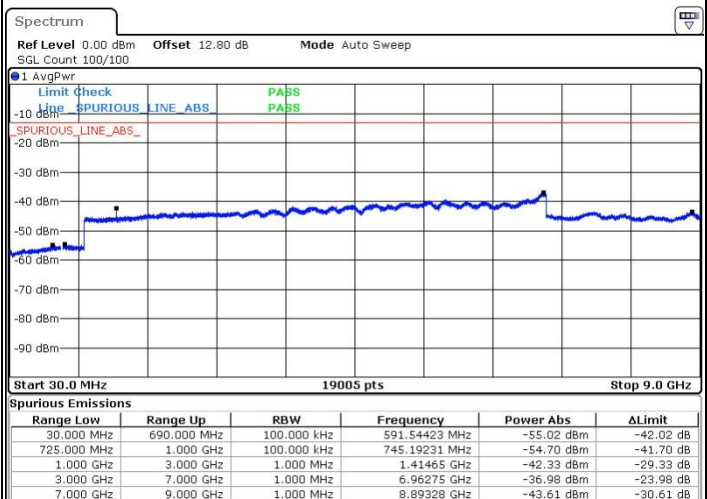
Date: 23.AUG.2015 14:52:34

Middle Channel / QPSK



Date: 23.AUG.2015 14:55:17

Middle Channel / 16QAM

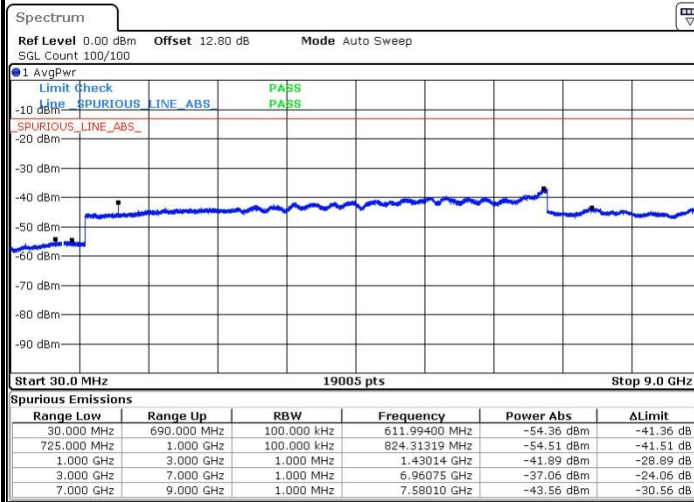


Date: 23.AUG.2015 14:54:19



LTE Band 12 / 1.4MHz

Highest Channel / QPSK



Date: 23.AUG.2015 15:04:39

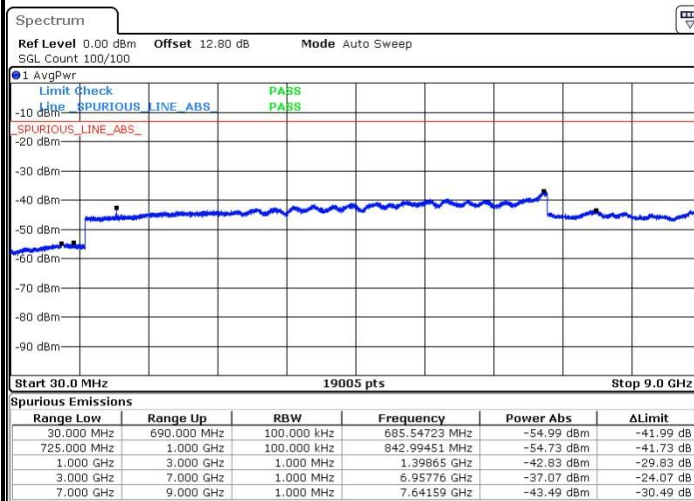
Highest Channel / 16QAM



Date: 23.AUG.2015 15:05:37

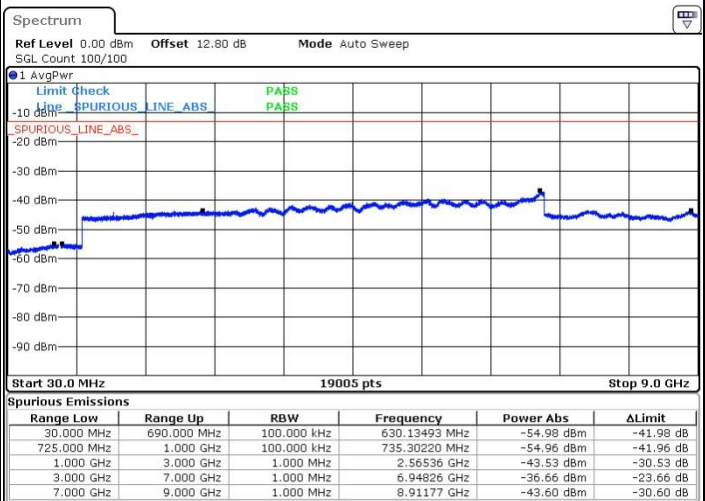
LTE Band 12 / 3MHz

Lowest Channel / QPSK



Date: 23.AUG.2015 15:15:00

Lowest Channel / 16QAM

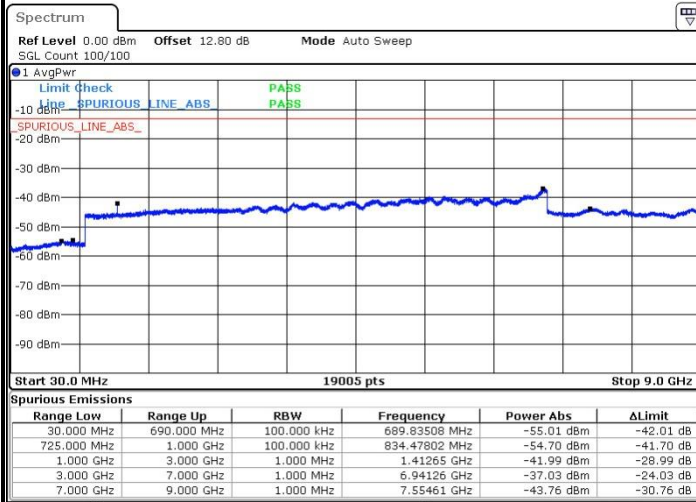


Date: 23.AUG.2015 15:15:58



LTE Band 12 / 3MHz

Middle Channel / QPSK



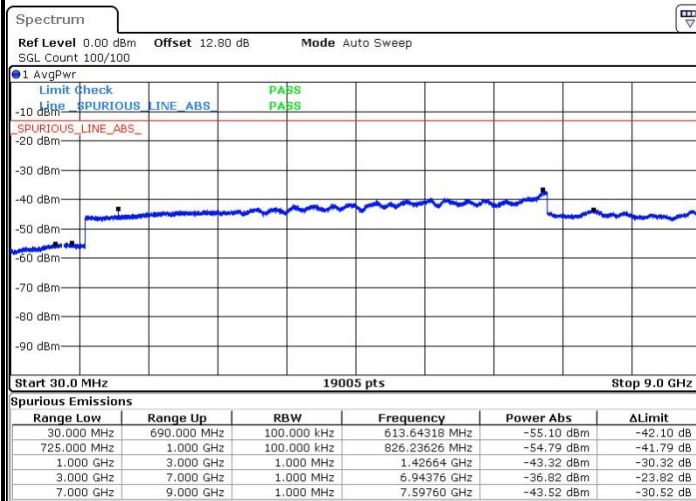
Date: 23.AUG.2015 15:18:41

Middle Channel / 16QAM



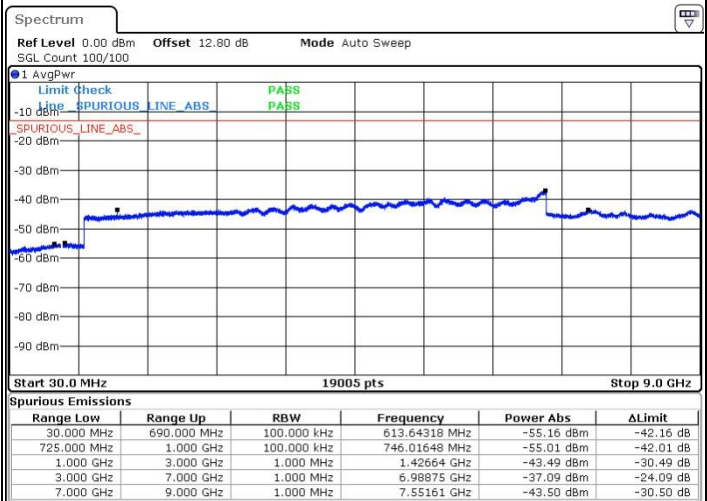
Date: 23.AUG.2015 15:17:43

Highest Channel / QPSK



Date: 23.AUG.2015 15:28:03

Highest Channel / 16QAM

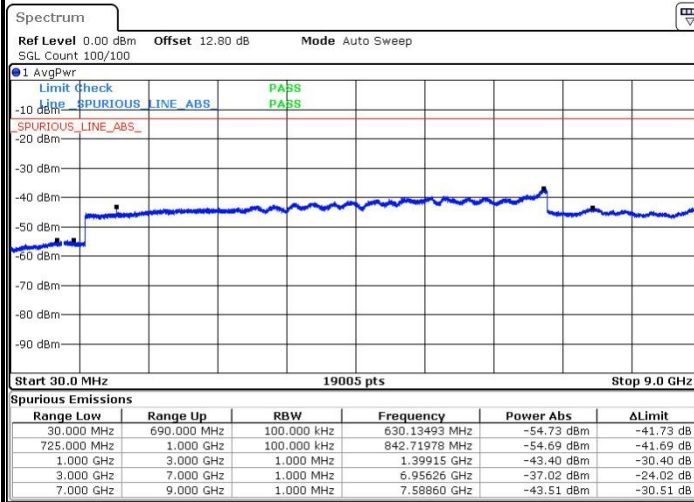


Date: 23.AUG.2015 15:29:01



LTE Band 12 / 5MHz

Lowest Channel / QPSK



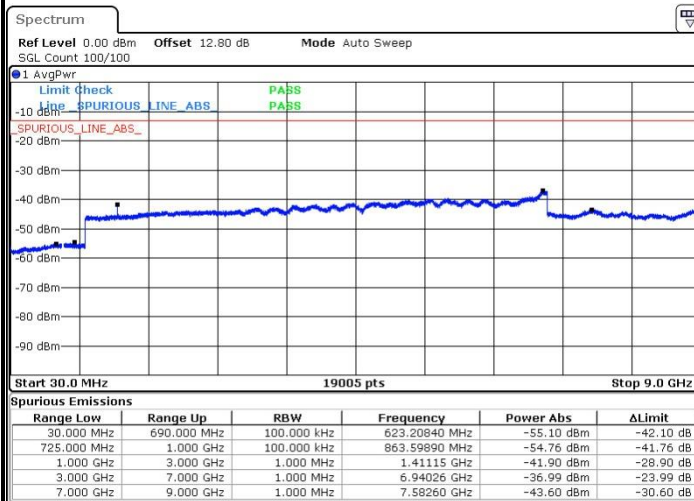
Date: 23.AUG.2015 15:38:23

Lowest Channel / 16QAM



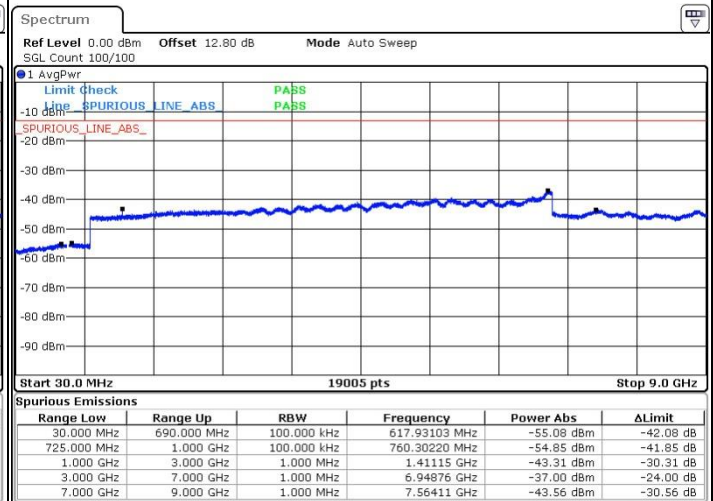
Date: 23.AUG.2015 15:39:21

Middle Channel / QPSK



Date: 23.AUG.2015 15:42:04

Middle Channel / 16QAM

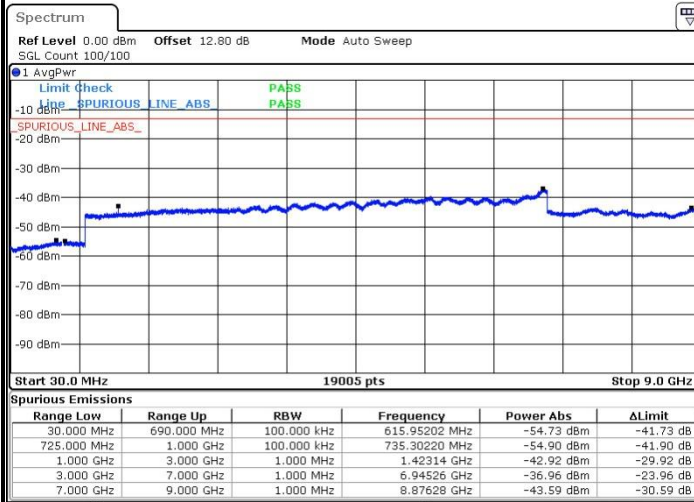


Date: 23.AUG.2015 15:41:06



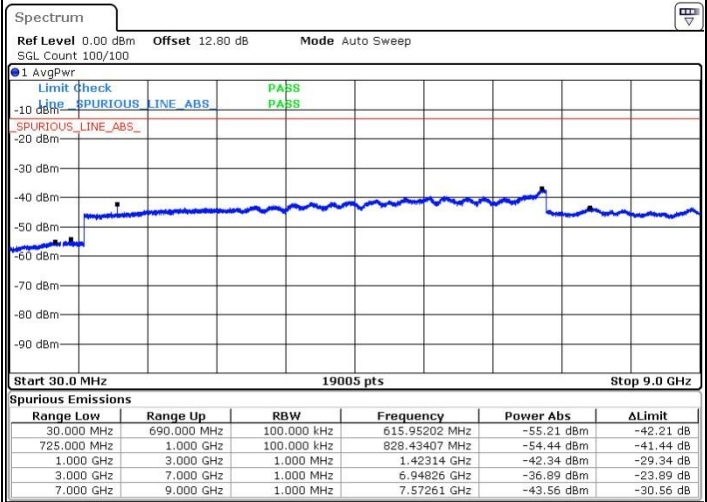
LTE Band 12 / 5MHz

Highest Channel / QPSK



Date: 23.AUG.2015 15:52:25

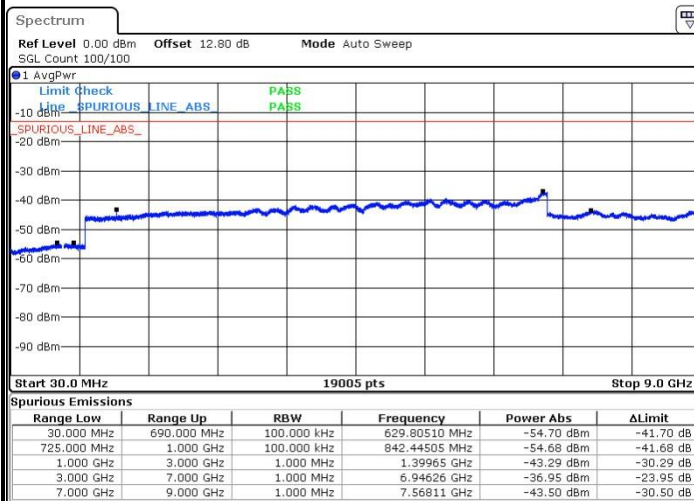
Highest Channel / 16QAM



Date: 23.AUG.2015 15:51:26

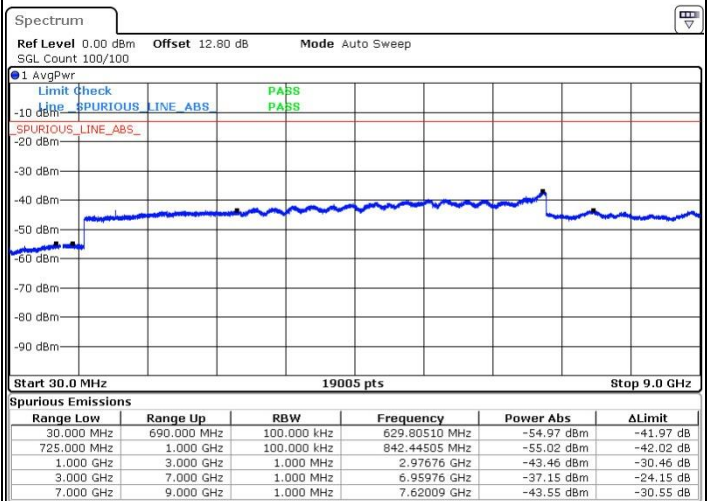
LTE Band 12 / 10MHz

Lowest Channel / QPSK



Date: 23.AUG.2015 16:01:47

Lowest Channel / 16QAM

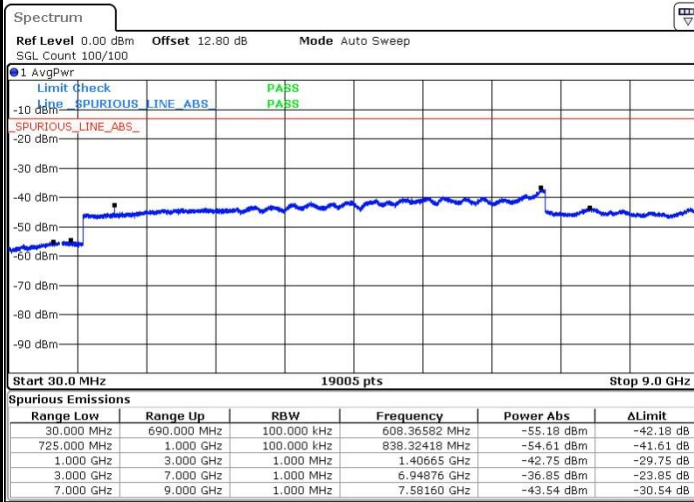


Date: 23.AUG.2015 16:02:45



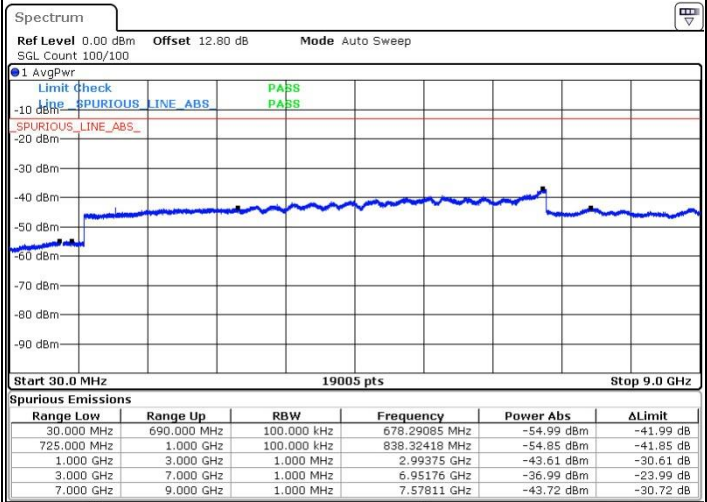
LTE Band 12 / 10MHz

Middle Channel / QPSK



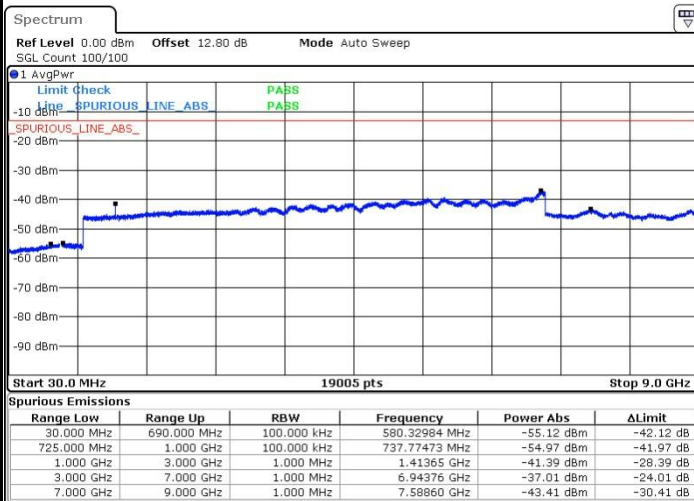
Date: 23.AUG.2015 16:09:28

Middle Channel / 16QAM



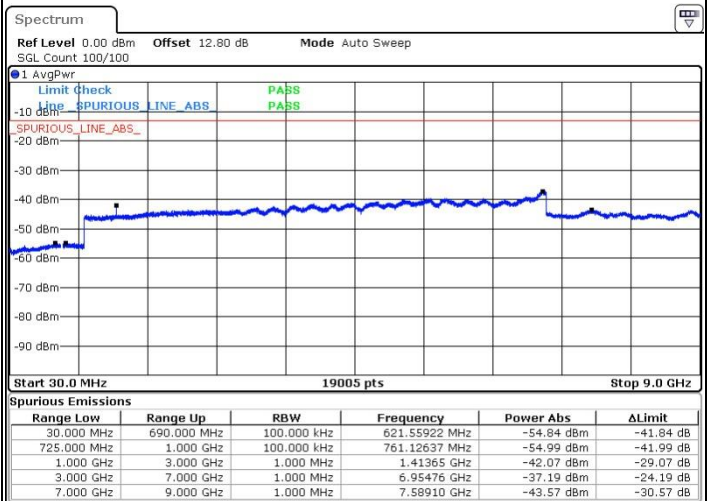
Date: 23.AUG.2015 16:04:30

Highest Channel / QPSK



Date: 23.AUG.2015 16:14:50

Highest Channel / 16QAM



Date: 23.AUG.2015 16:15:48

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	0.0016	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0090	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0095	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0004	

Note:

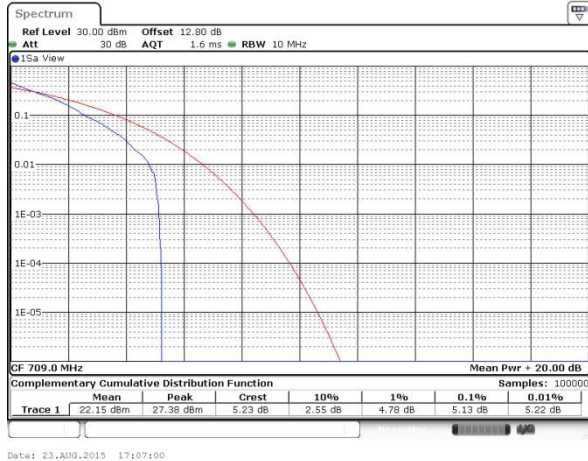
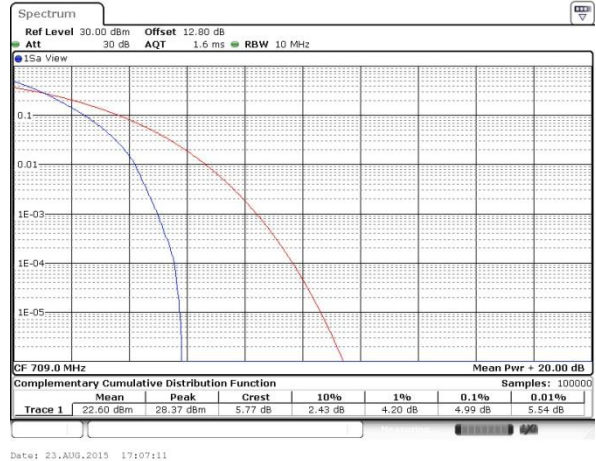
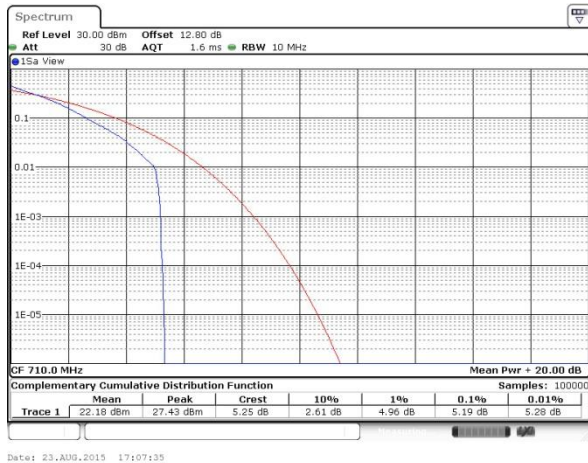
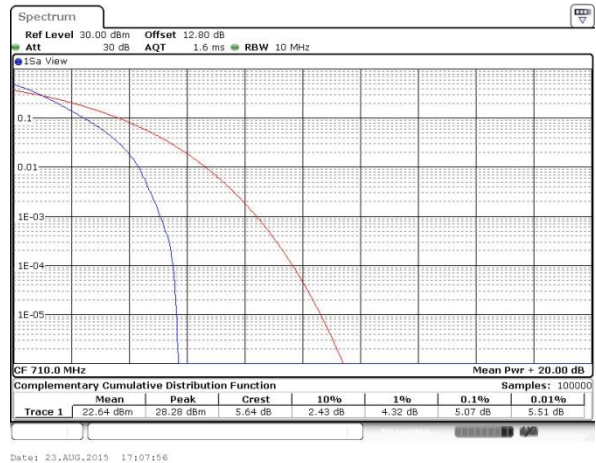
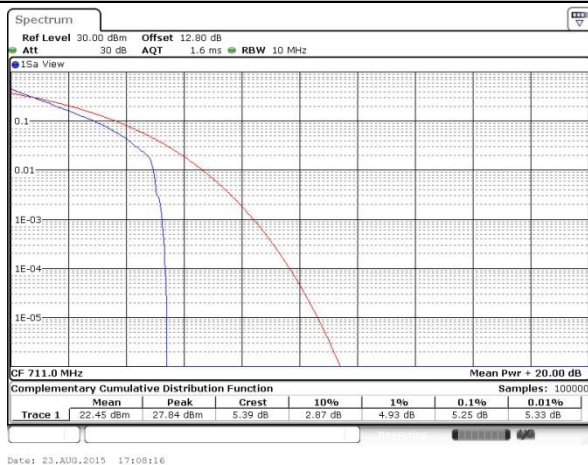
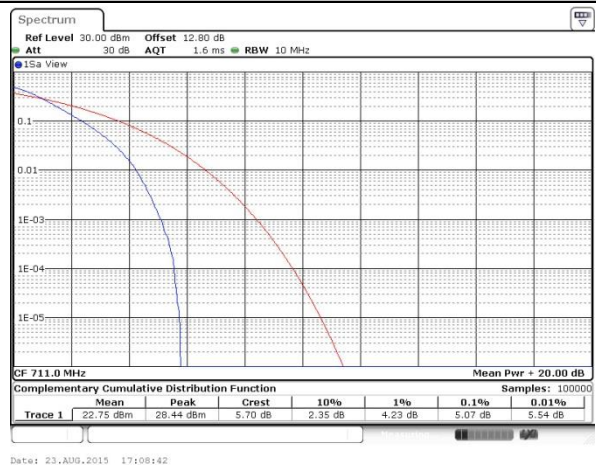
1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage =4.2 V
2. The frequency fundamental emissions stay within the authorized frequency block.

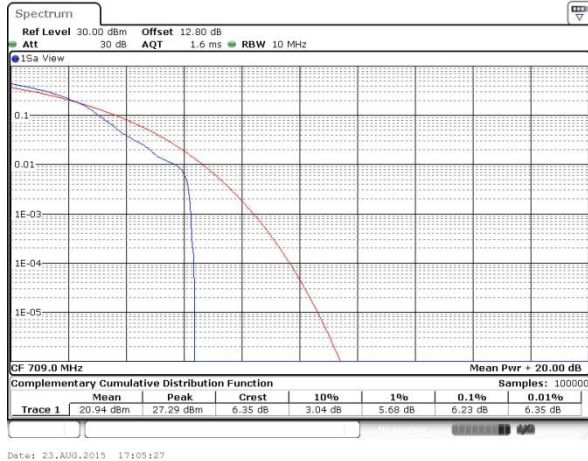
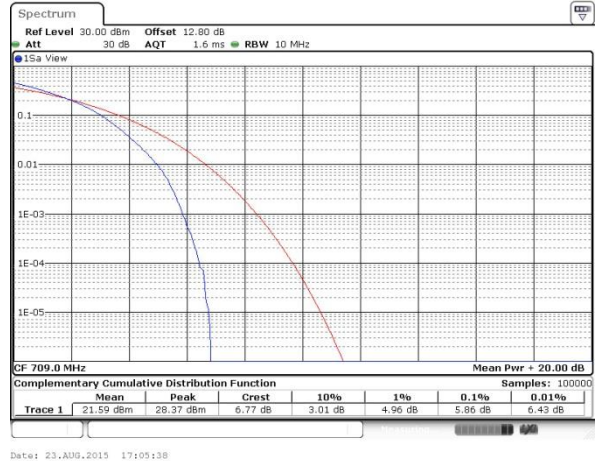
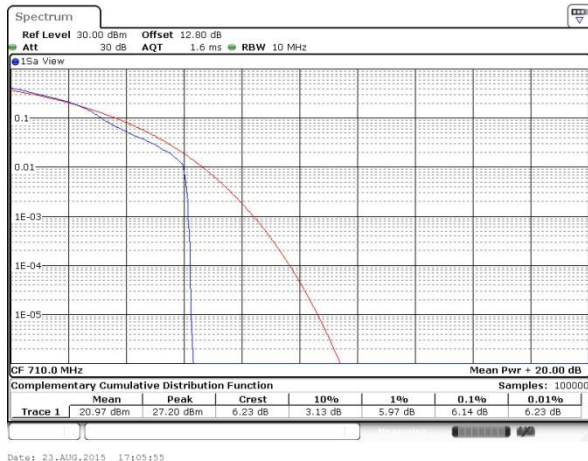
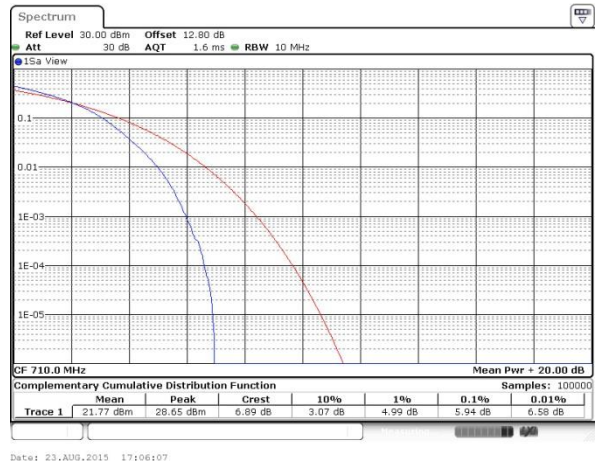
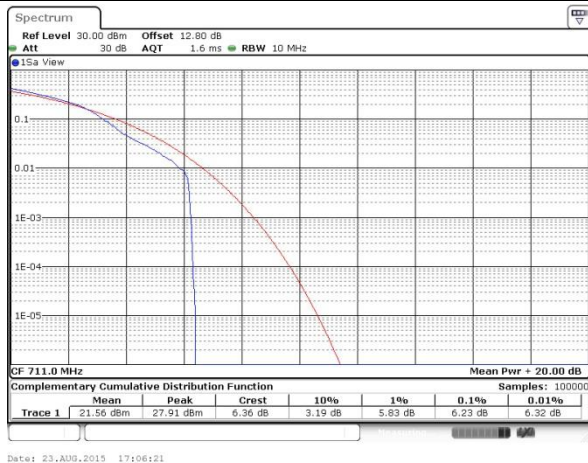
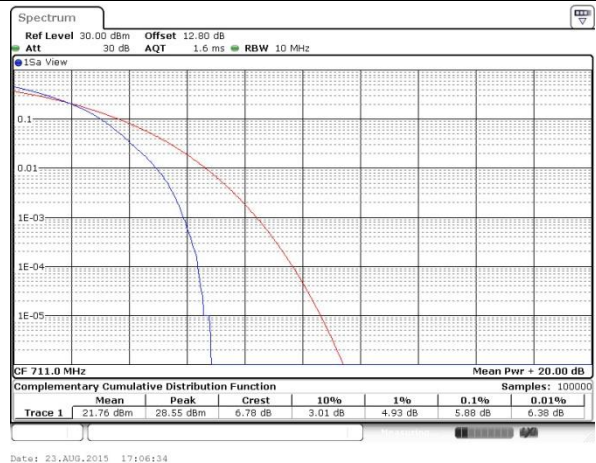


LTE Band 17

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	5.13	4.99	6.23	5.86	PASS
Middle CH	5.19	5.07	6.14	5.94	
Highest CH	5.25	5.07	6.23	5.88	

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




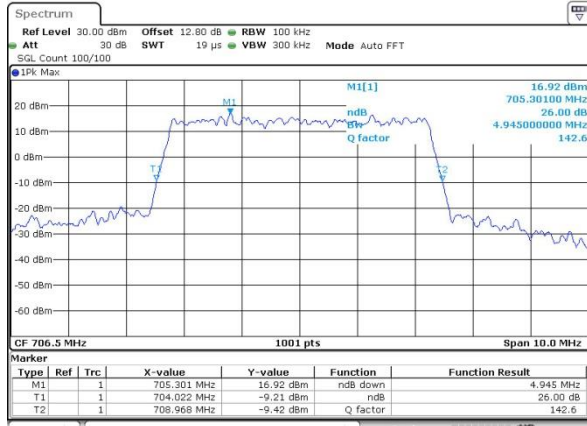
26dB Bandwidth

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	-	-	-	-	4.95	4.81	9.63	9.71	-	-	-	-
Middle CH	-	-	-	-	4.86	4.89	9.69	9.71	-	-	-	-
Highest CH	-	-	-	-	4.84	4.91	9.65	9.71	-	-	-	-



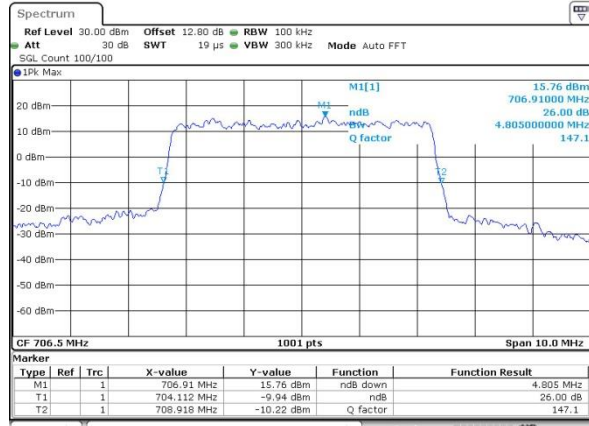
LTE Band 17

Lowest Channel / 5MHz / QPSK



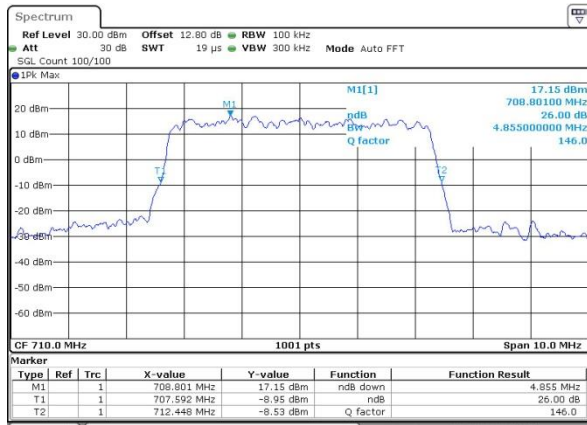
Date: 23.AUG.2015 16:18:34

Lowest Channel / 5MHz / 16QAM



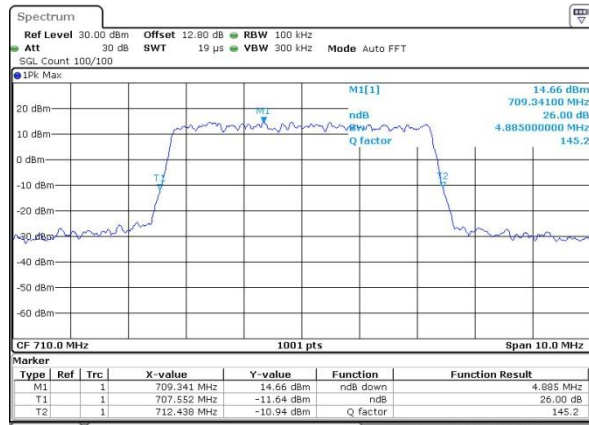
Date: 23.AUG.2015 16:18:46

Middle Channel / 5MHz / QPSK



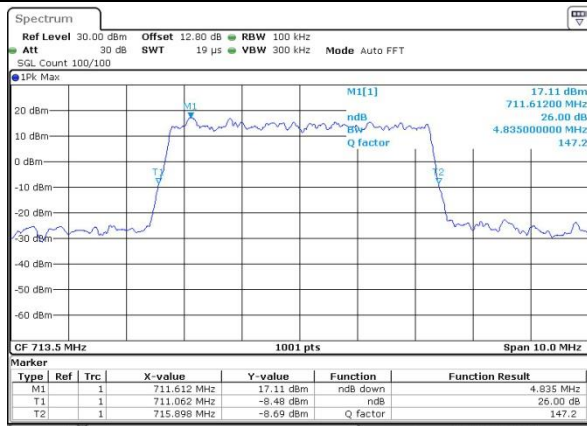
Date: 23.AUG.2015 16:28:54

Middle Channel / 5MHz / 16QAM



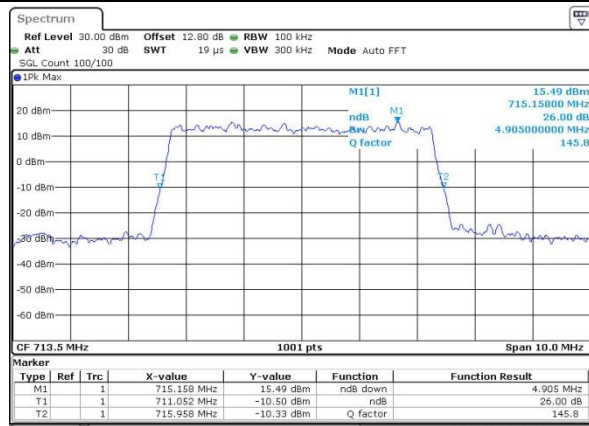
Date: 23.AUG.2015 16:29:06

Highest Channel / 5MHz / QPSK



Date: 23.AUG.2015 16:31:37

Highest Channel / 5MHz / 16QAM

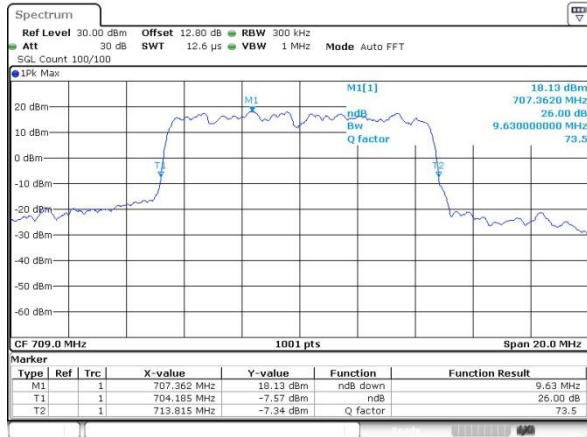


Date: 23.AUG.2015 16:31:48

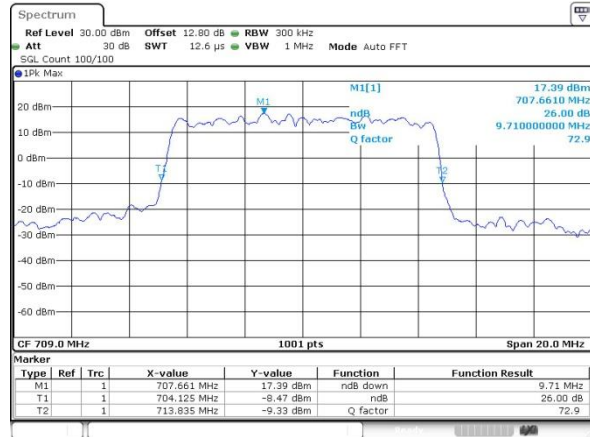


LTE Band 17

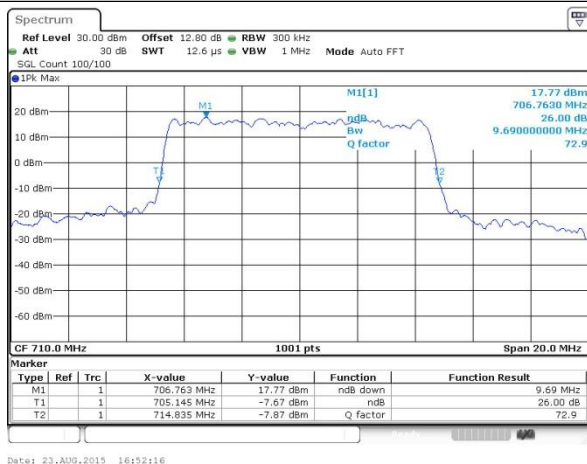
Lowest Channel / 10MHz / QPSK



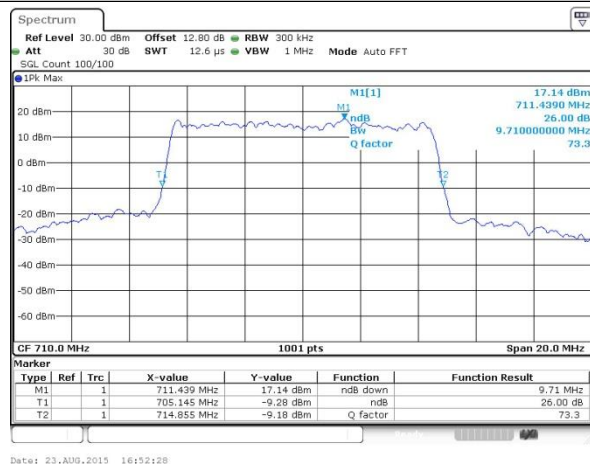
Lowest Channel / 10MHz / 16QAM



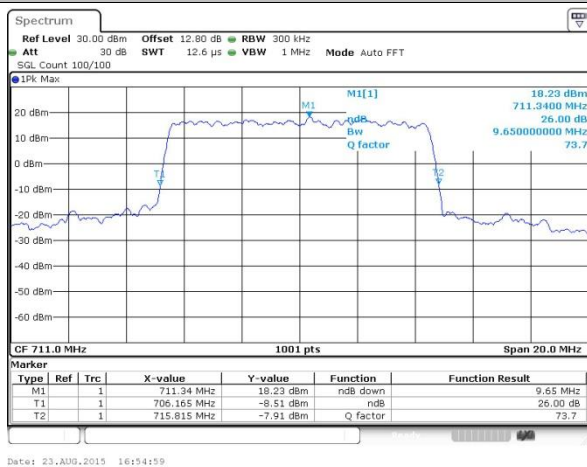
Middle Channel / 10MHz / QPSK



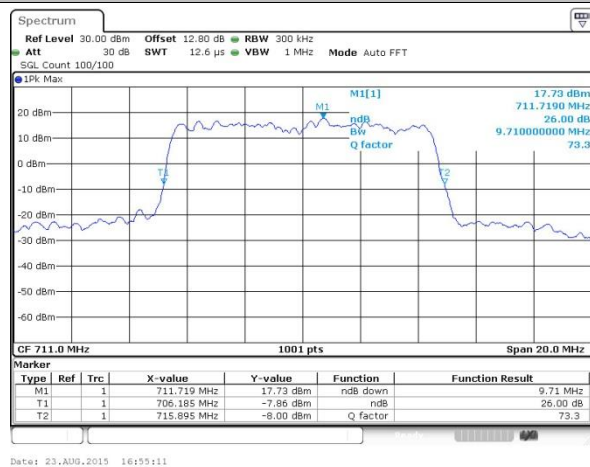
Middle Channel / 10MHz / 16QAM



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	-	-	-	-	4.50	4.47	9.05	9.01	-	-	-	-
Middle CH	-	-	-	-	4.50	4.50	9.09	9.03	-	-	-	-
Highest CH	-	-	-	-	4.48	4.48	9.05	8.99	-	-	-	-