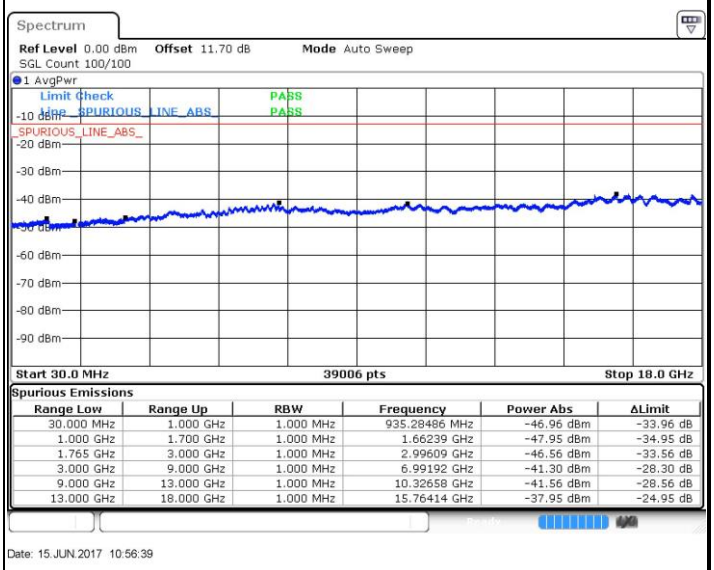
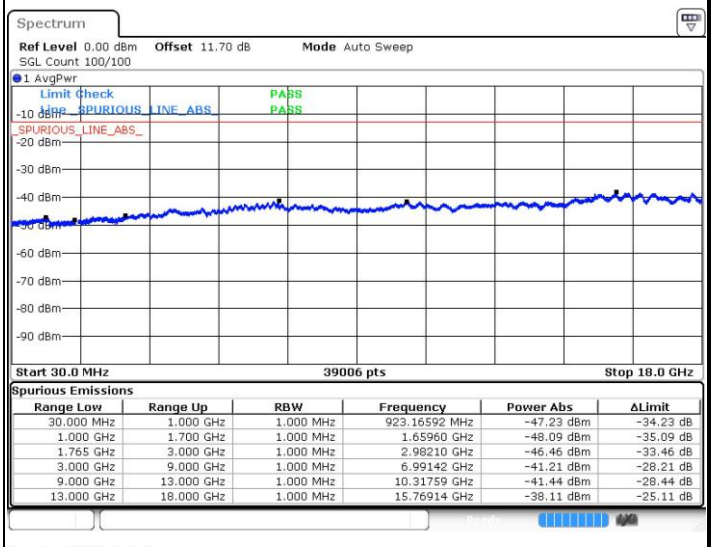
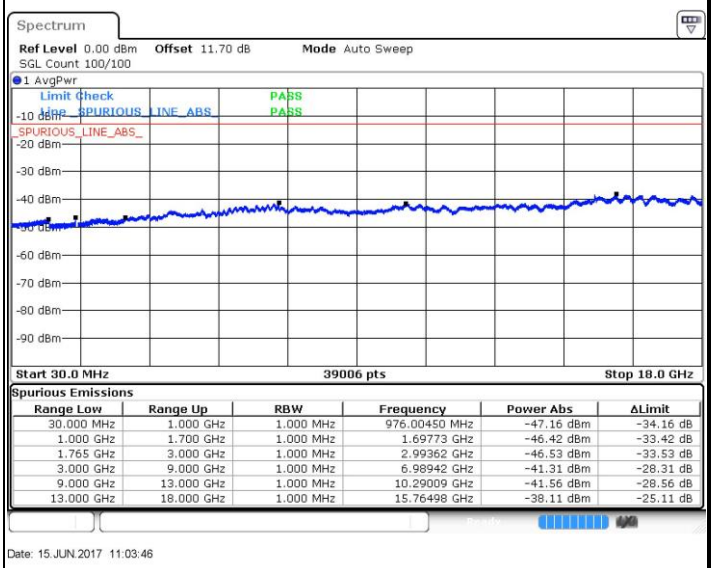
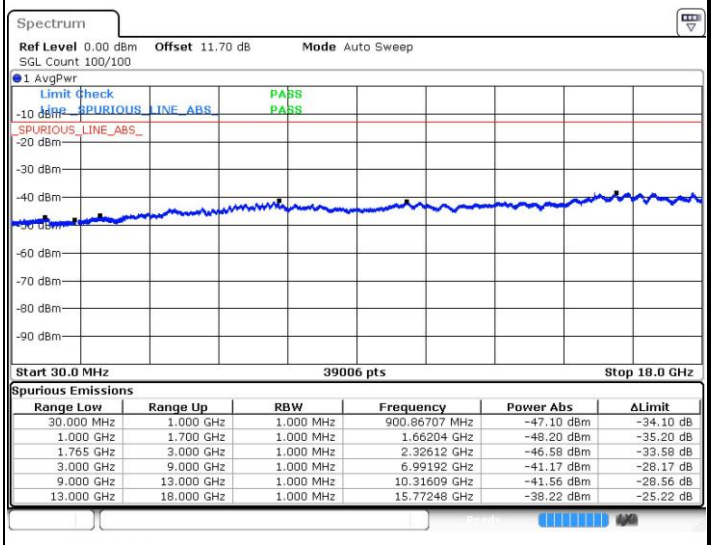
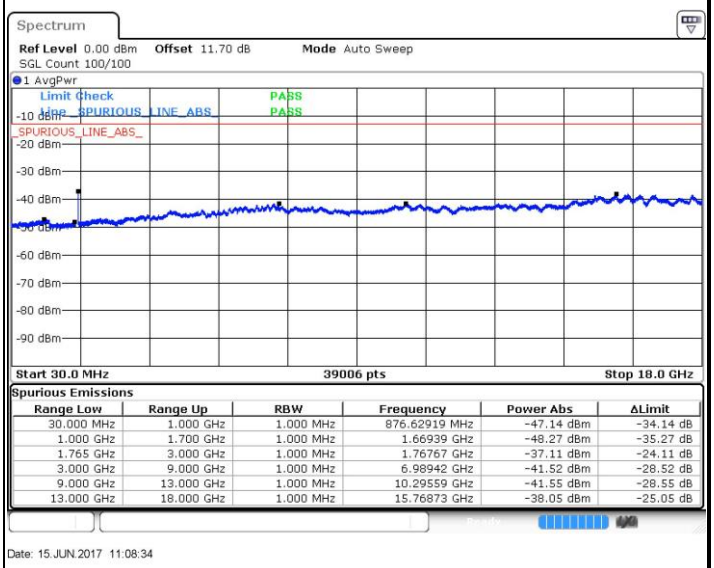
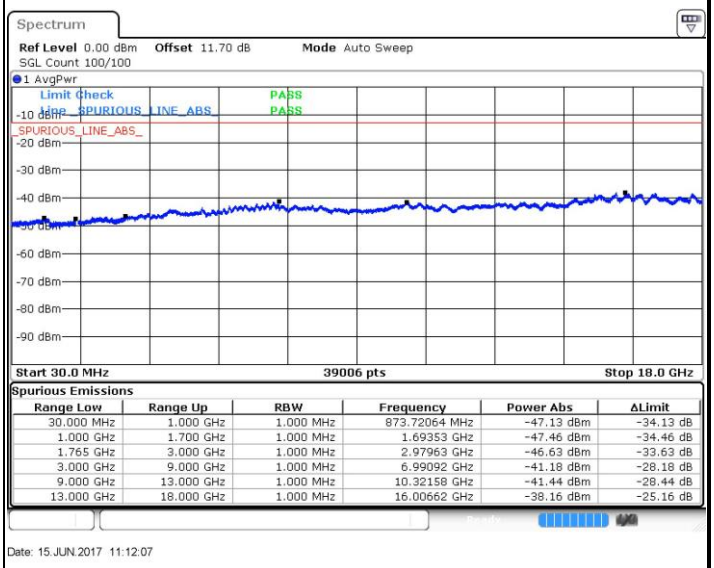
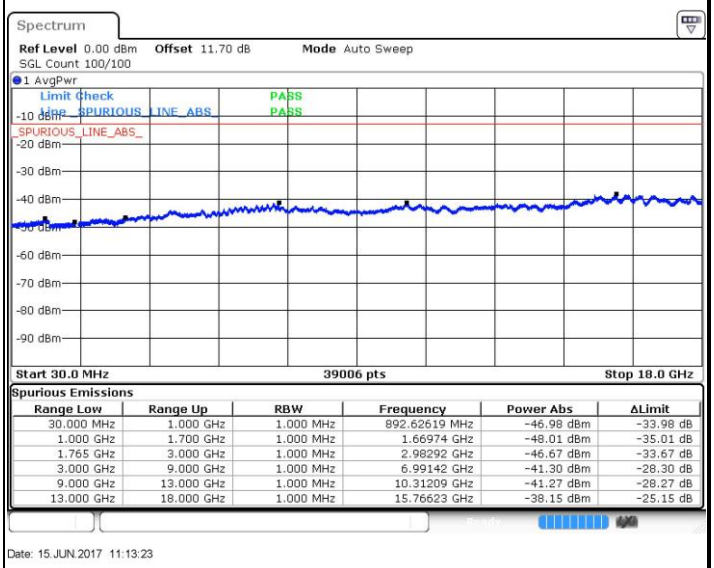
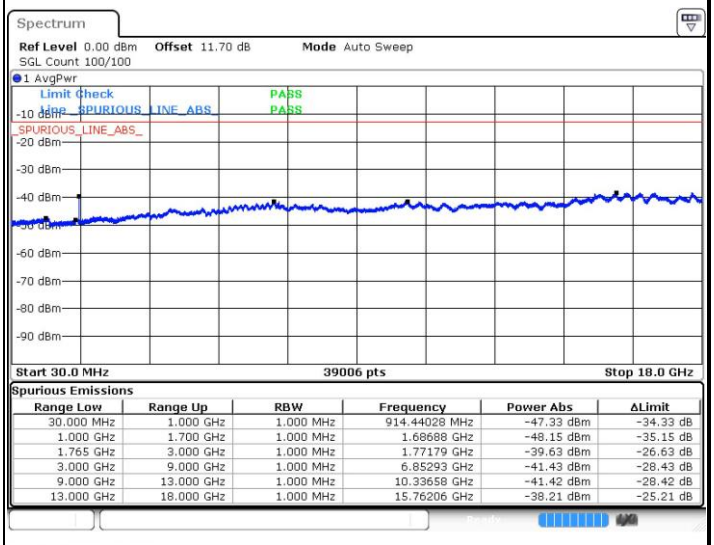
LTE Band 4 / 10MHz	
-	Middle Channel / 64QAM
-	
-	Highest Channel / 64QAM
-	

LTE Band 4 / 15MHz	
-	Lowest Channel / 64QAM
-	
-	Middle Channel / 64QAM
-	

LTE Band 4 / 15MHz	
-	Highest Channel / 64QAM
-	
LTE Band 4 / 20MHz	
-	Lowest Channel / 64QAM
-	

LTE Band 4 / 20MHz	
-	Middle Channel / 64QAM
-	
-	Highest Channel / 64QAM
-	

Frequency Stability

Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0040	PASS
40	Normal Voltage	0.0016	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0009	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0008	
-20	Normal Voltage	0.0017	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0038	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0017	

Note:

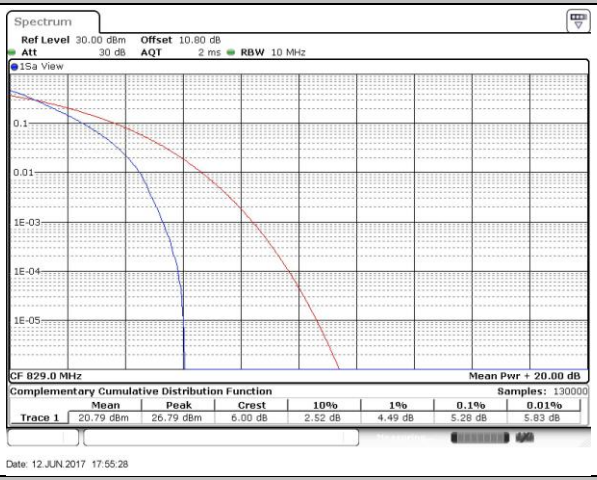
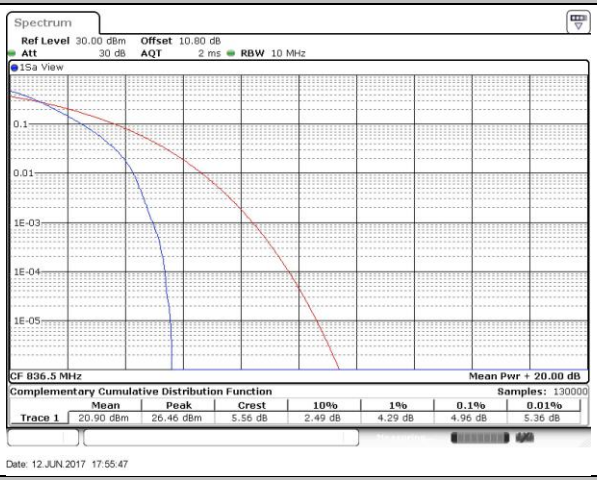
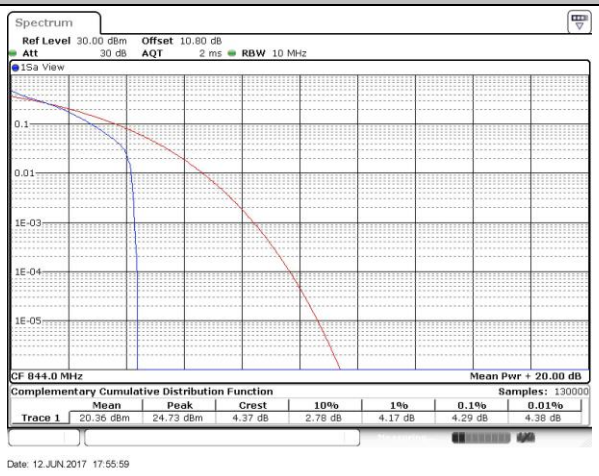
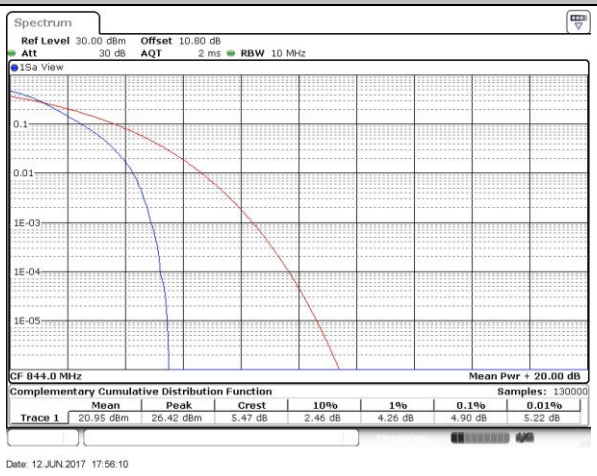
1. Normal Voltage =3.85 V.；Battery End Point (BEP) =3.6 V.；Maximum Voltage =4.2 V.

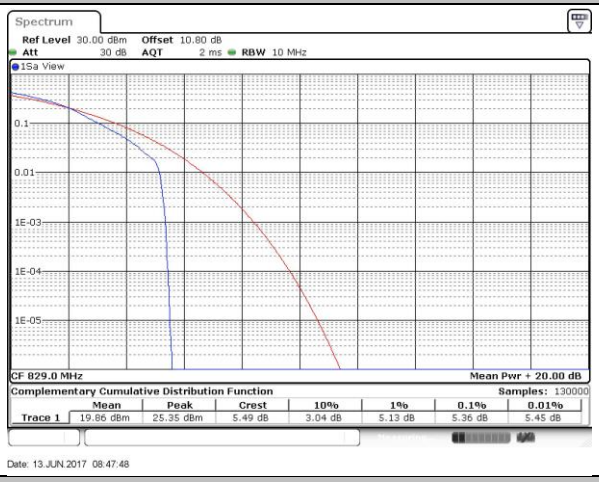
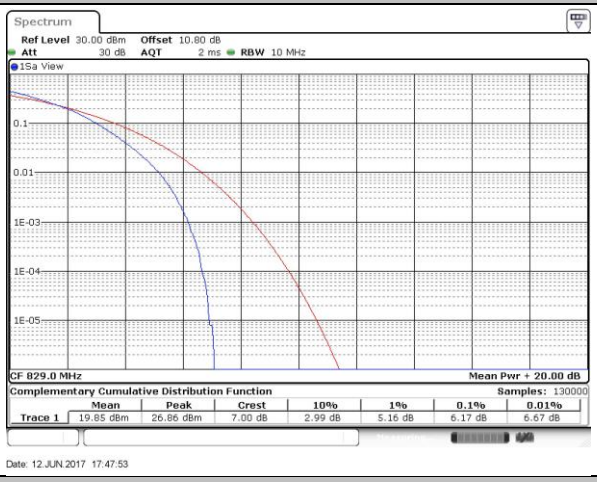
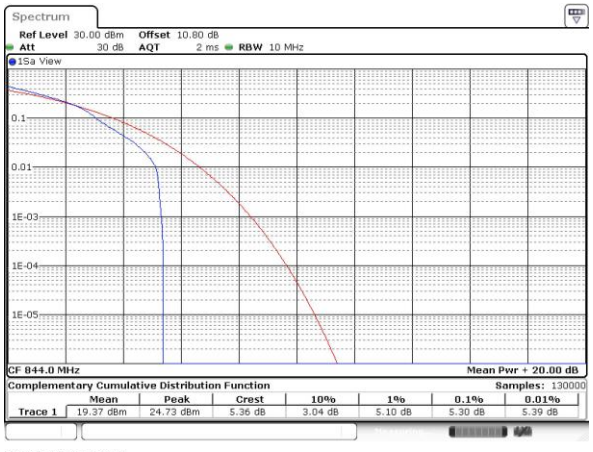
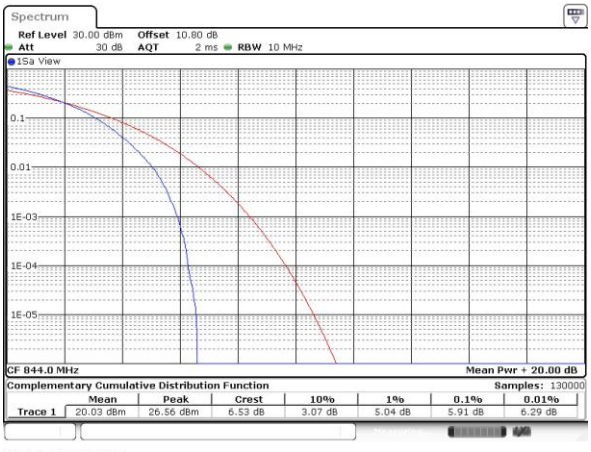
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

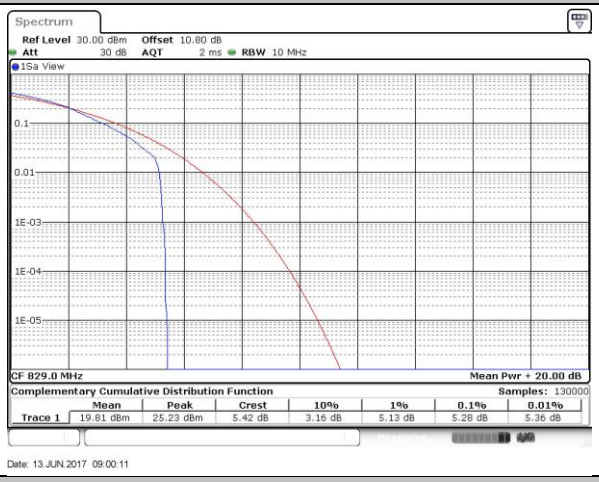
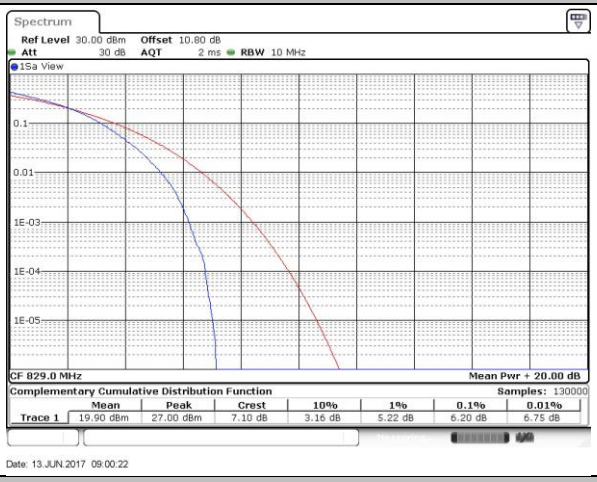
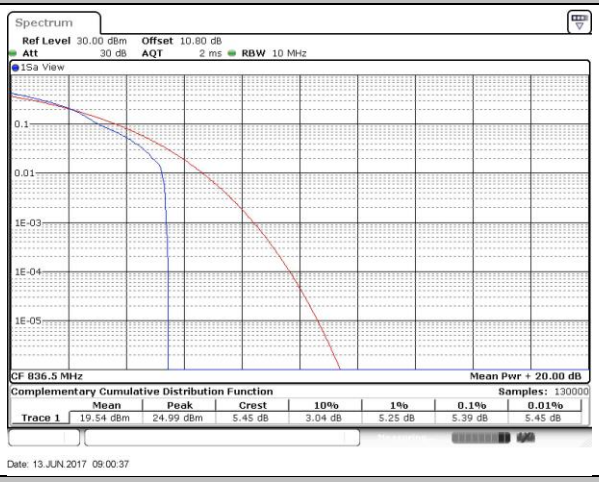
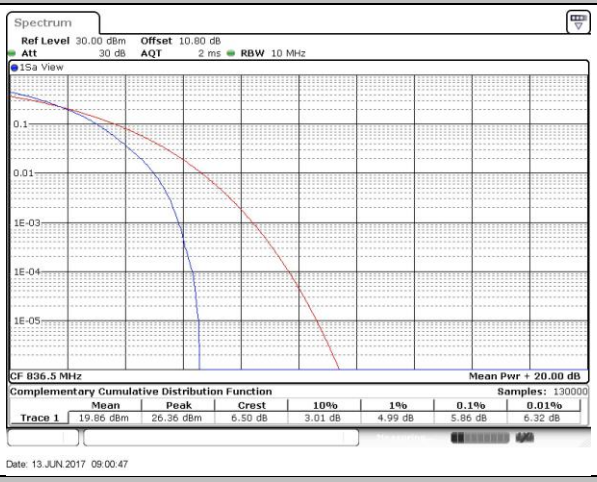
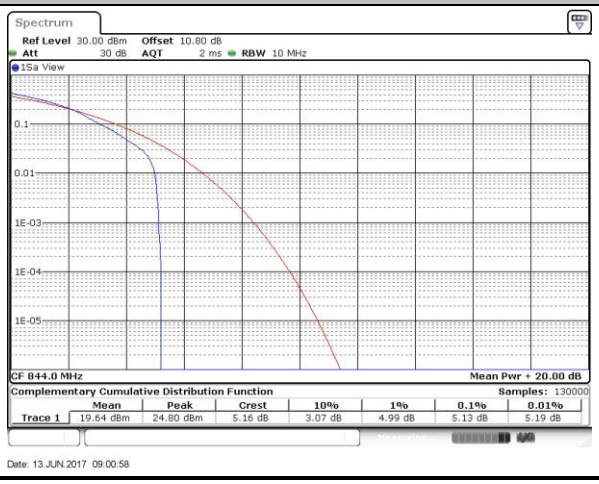
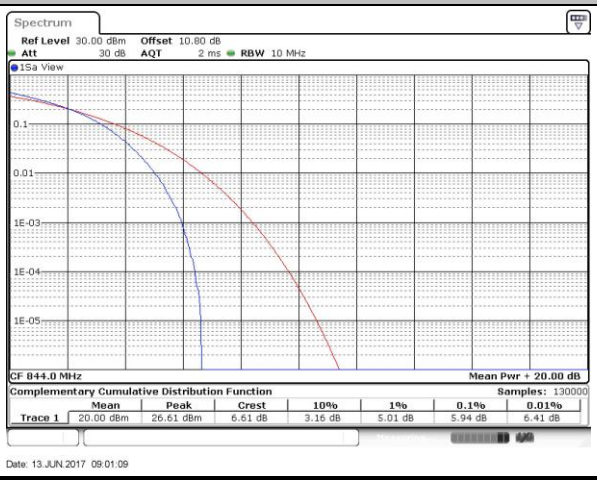
LTE Band 5

Peak-to-Average Ratio

Mode	LTE Band 5 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.64	5.28	5.36	6.17	PASS
Middle CH	4.58	4.96	5.33	5.83	
Highest CH	4.29	4.9	5.3	5.91	
Mode	LTE Band 5 / 10MHz				
Mod.	QPSK		64QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	-	-	5.28	6.2	PASS
Middle CH	-	-	5.39	5.86	
Highest CH	-	-	5.13	5.94	

LTE Band 5 / 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 5 / 10MHz / 16QAM	
Lowest Channel / 1RB	**Lowest Channel / Full RB**
	
Middle Channel / 1RB	**Middle Channel / Full RB**
Highest Channel / 1RB	**Highest Channel / Full RB**
	

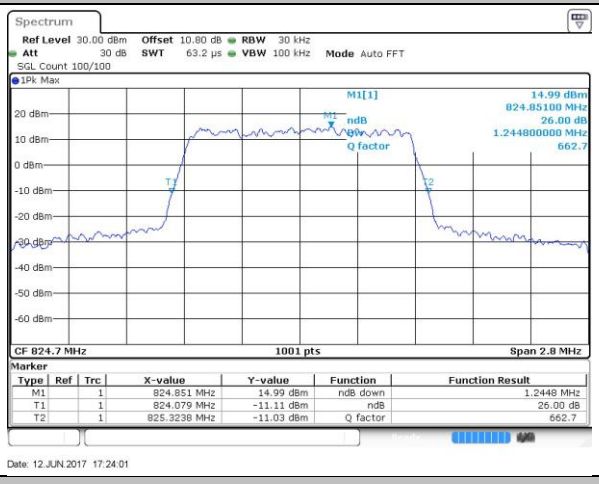
LTE Band 5 / 10MHz / 64QAM	
Lowest Channel / 1RB	**Lowest Channel / Full RB**
	
Middle Channel / 1RB	**Middle Channel / Full RB**
	
Highest Channel / 1RB	**Highest Channel / Full RB**
	

26dB Bandwidth

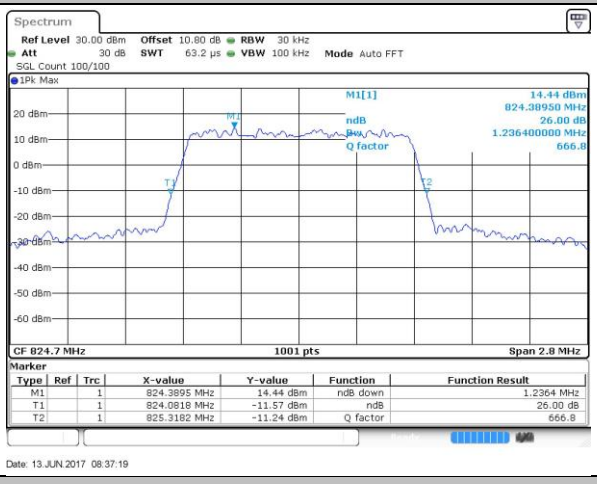
Mode	LTE Band 5 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.245	1.236	3.009	2.997	4.935	4.915	9.85	9.81	-	-	-	-
Middle CH	1.234	1.225	3.021	2.961	4.825	4.855	9.75	9.85	-	-	-	-
Highest CH	1.239	1.228	3.027	3.027	4.895	4.945	9.69	9.67	-	-	-	-
Mode	LTE Band 5 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	64QAM	QPSK	64QAM	QPSK	64QAM	QPSK	64QAM	QPSK	64QAM	QPSK	64QAM
Lowest CH	-	1.236	-	3.015	-	4.835	-	9.81	-	-	-	-
Middle CH	-	1.225	-	2.991	-	4.895	-	9.69	-	-	-	-
Highest CH	-	1.228	-	3.039	-	4.825	-	9.65	-	-	-	-

LTE Band 5

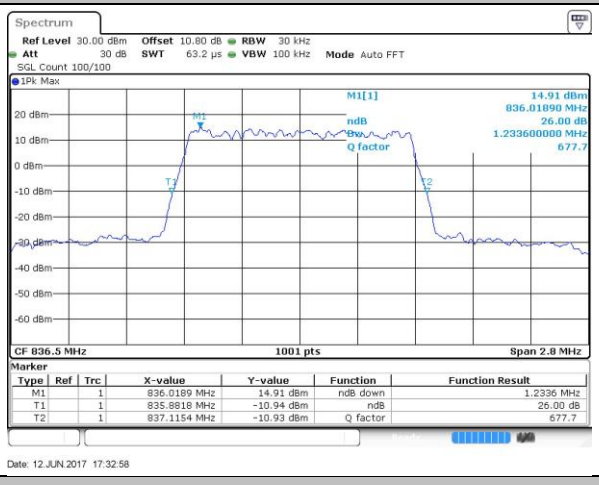
Lowest Channel / 1.4MHz / QPSK



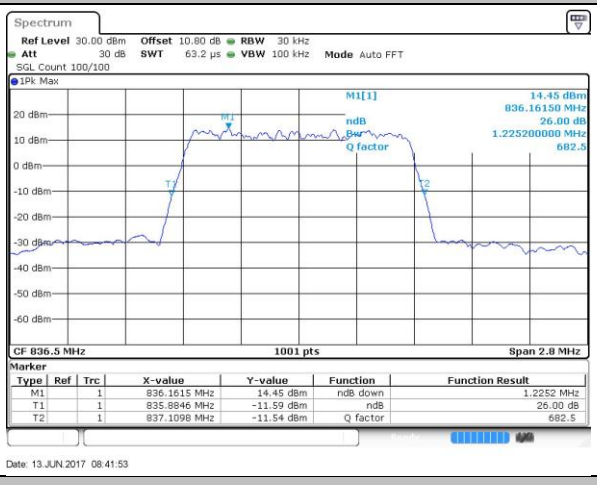
Lowest Channel / 1.4MHz / 16QAM



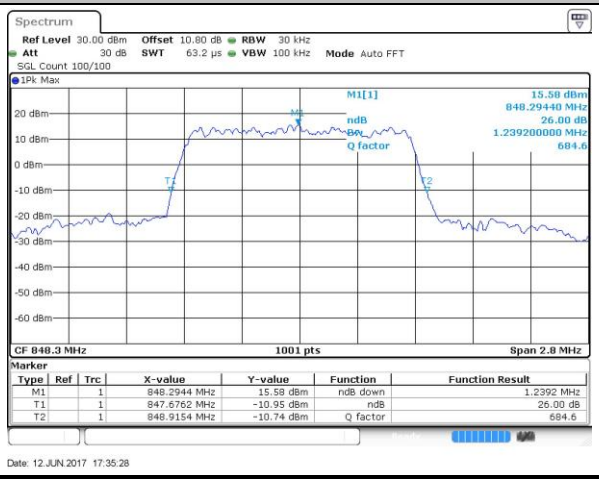
Middle Channel / 1.4MHz / QPSK



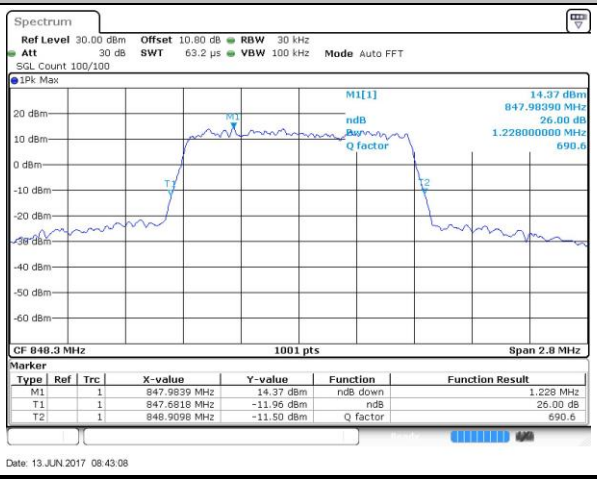
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

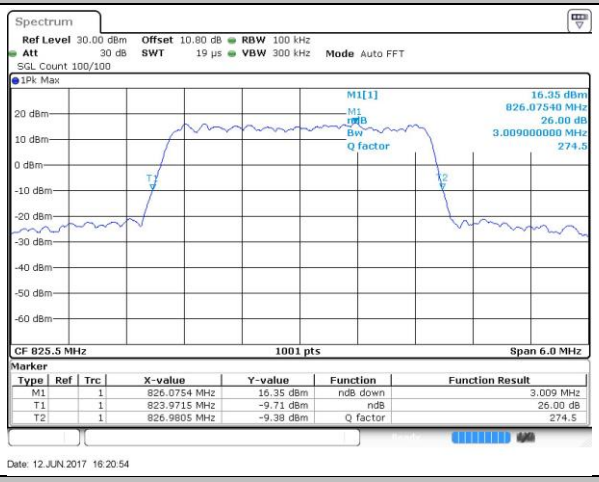


Highest Channel / 1.4MHz / 16QAM

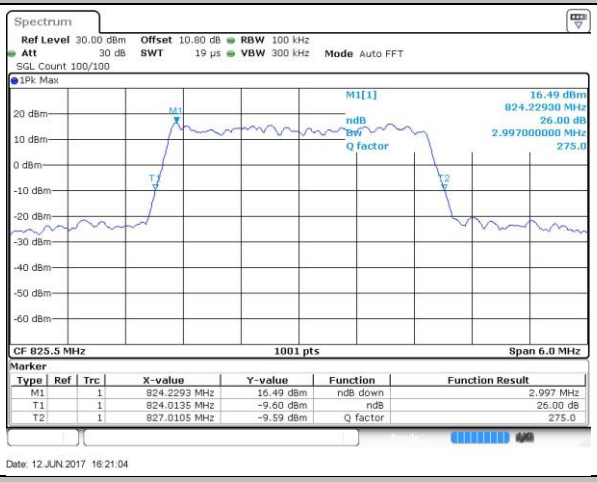


LTE Band 5

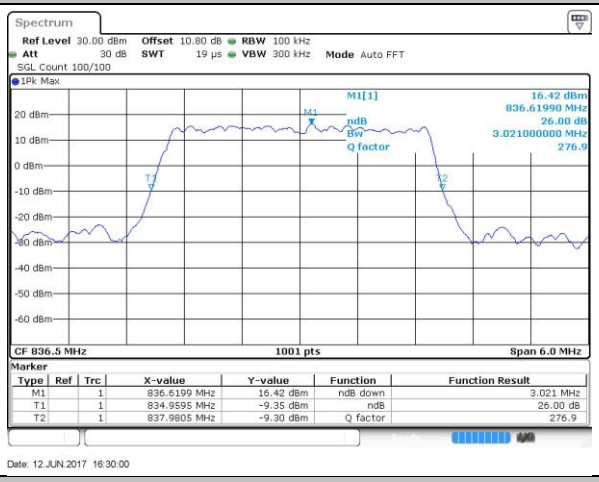
Lowest Channel / 3MHz / QPSK



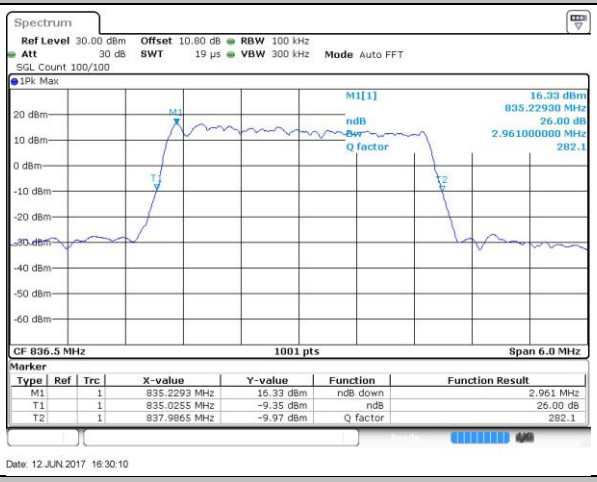
Lowest Channel / 3MHz / 16QAM



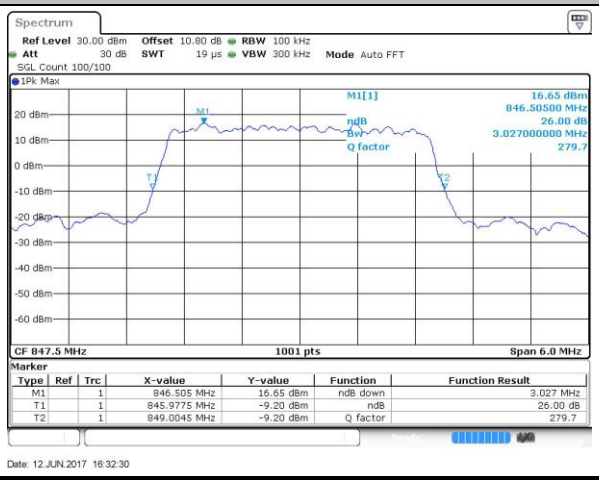
Middle Channel / 3MHz / QPSK



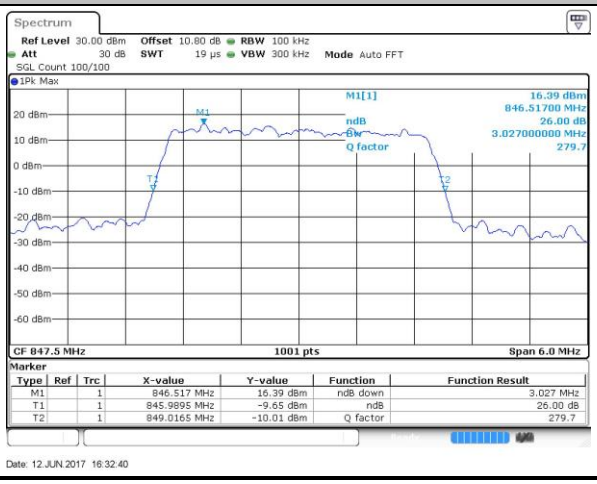
Middle Channel /3MHz / 16QAM



Highest Channel /3MHz / QPSK

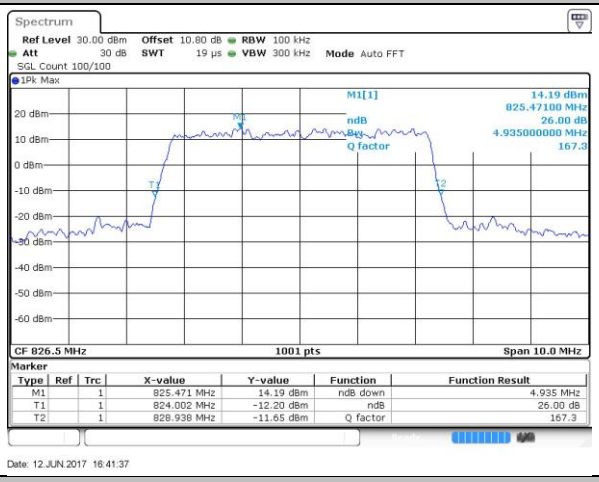


Highest Channel /3MHz / 16QAM

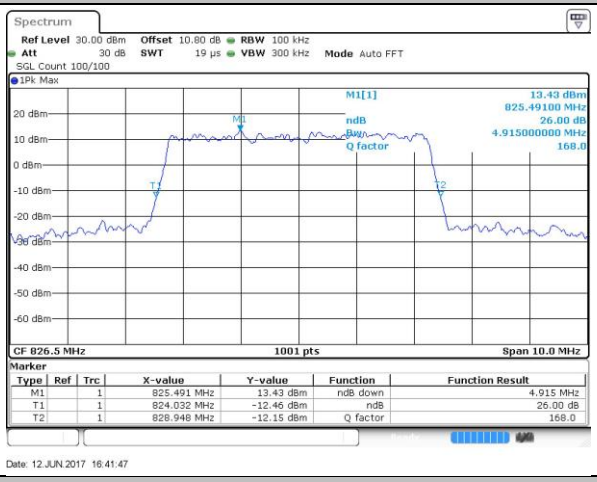


LTE Band 5

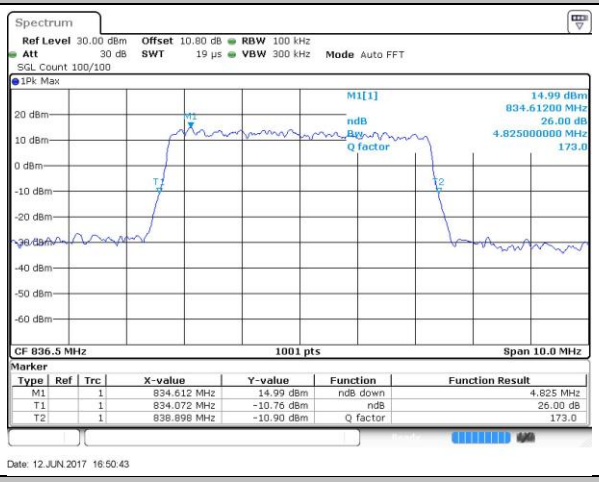
Lowest Channel / 5MHz / QPSK



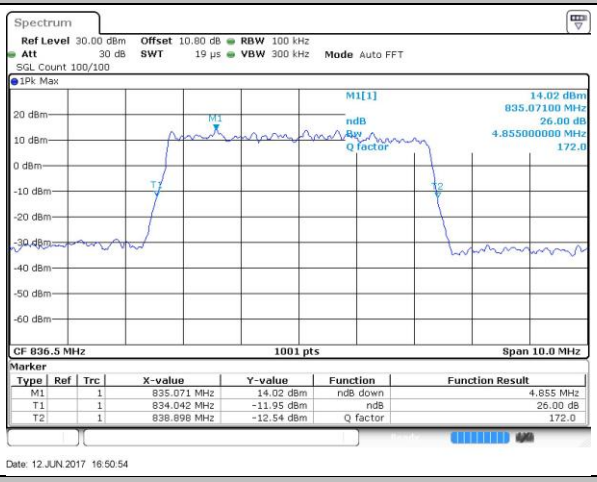
Lowest Channel / 5MHz / 16QAM



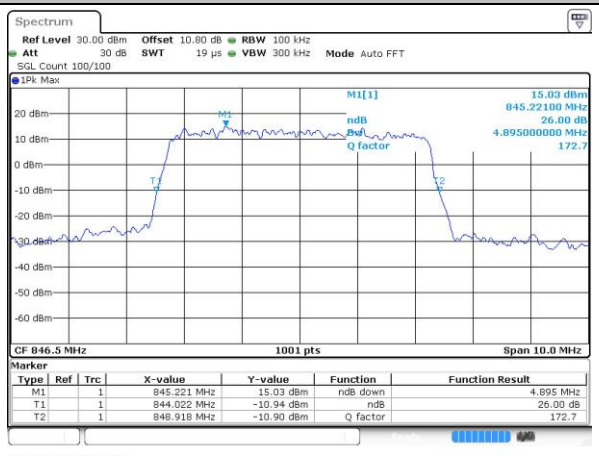
Middle Channel / 5MHz / QPSK



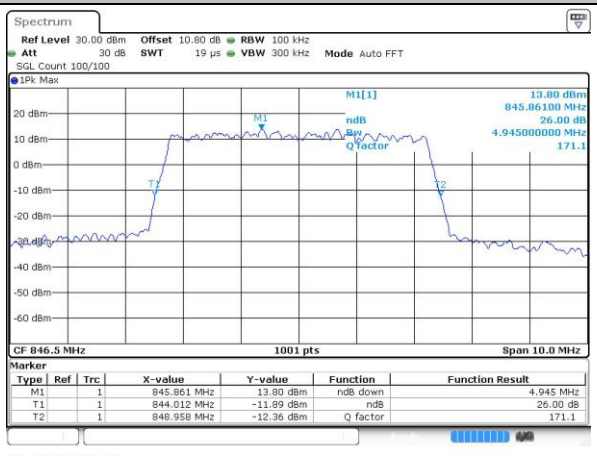
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

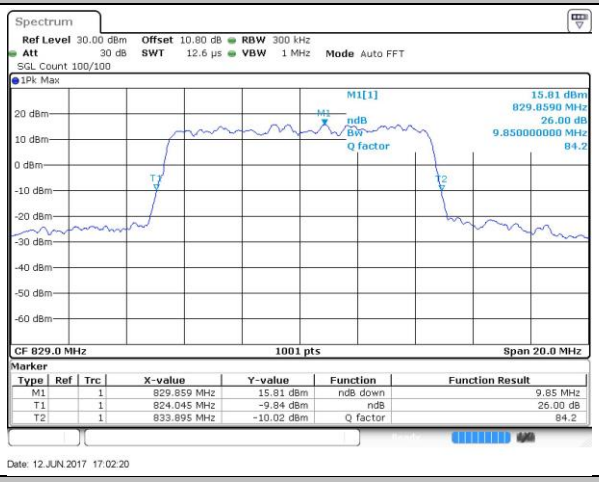


Highest Channel / 5MHz / 16QAM

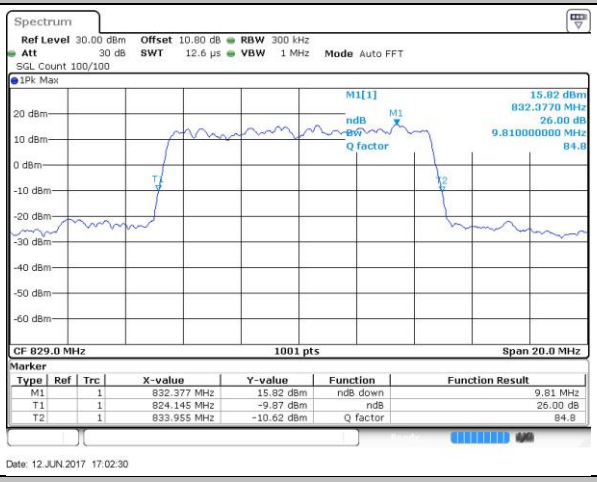


LTE Band 5

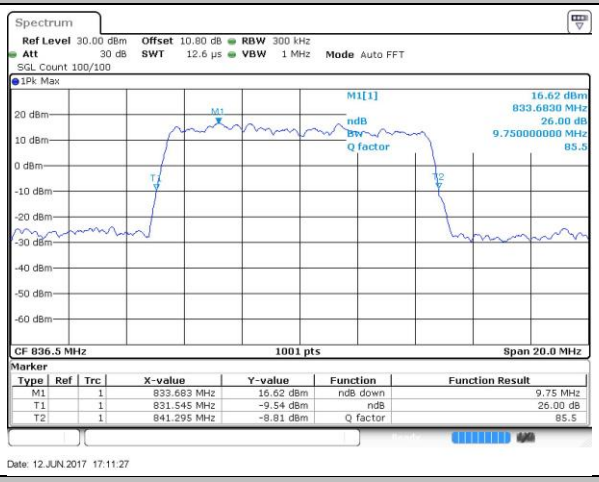
Lowest Channel / 10MHz / QPSK



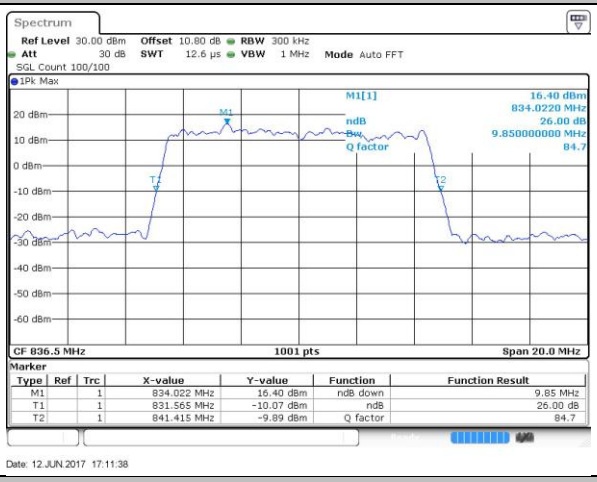
Lowest Channel / 10MHz / 16QAM



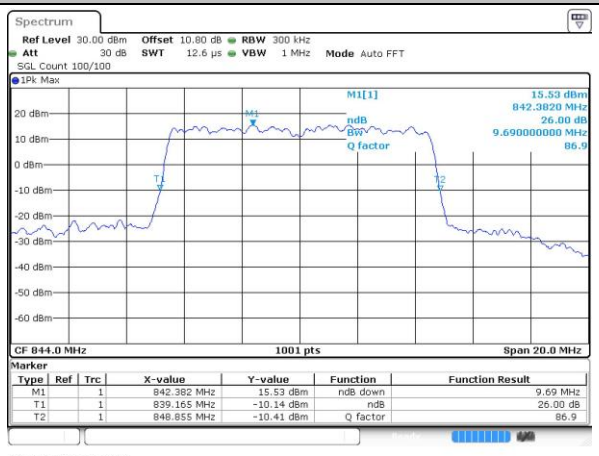
Middle Channel / 10MHz / QPSK



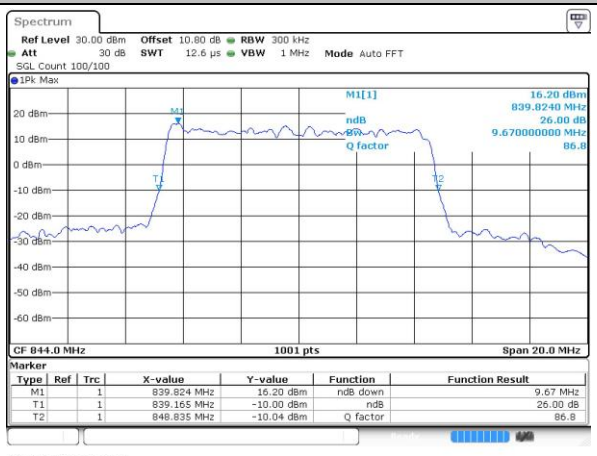
Middle Channel / 10MHz / 16QAM

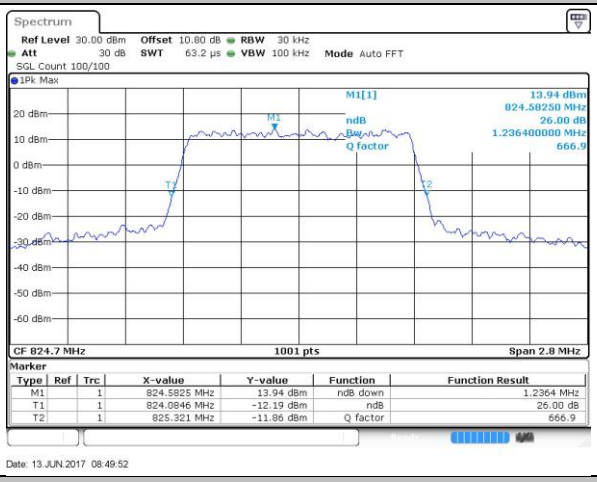
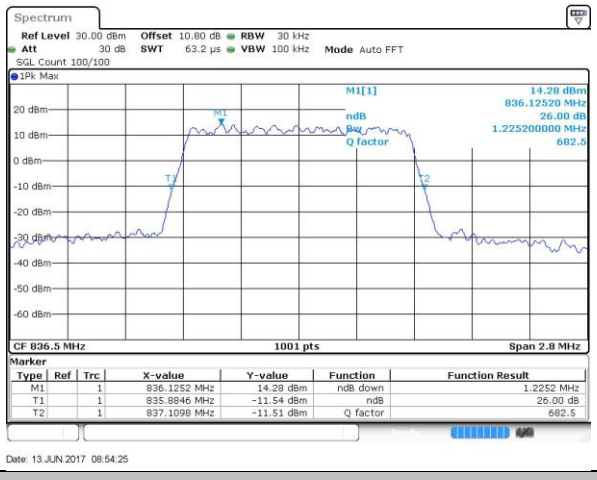
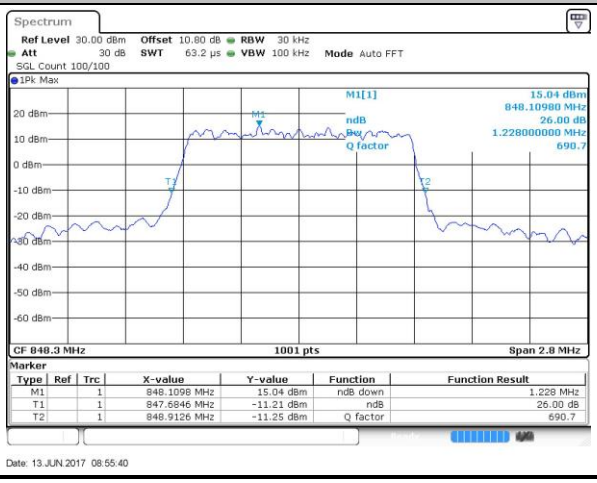


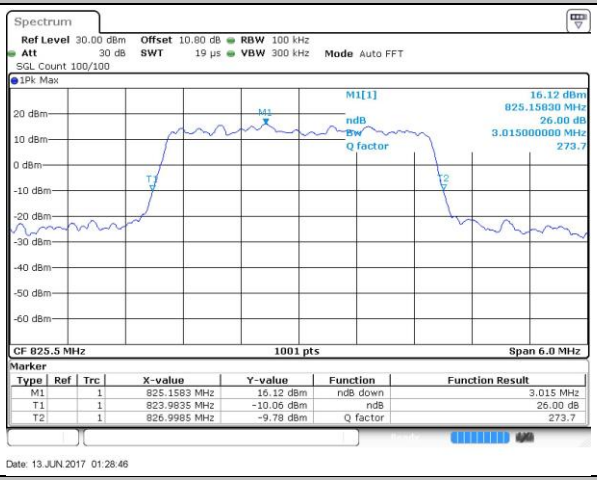
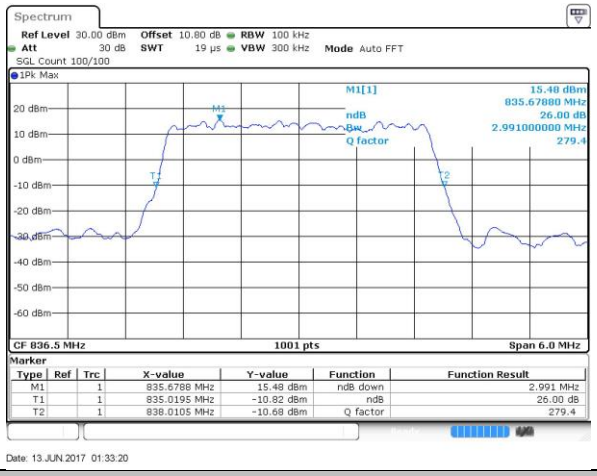
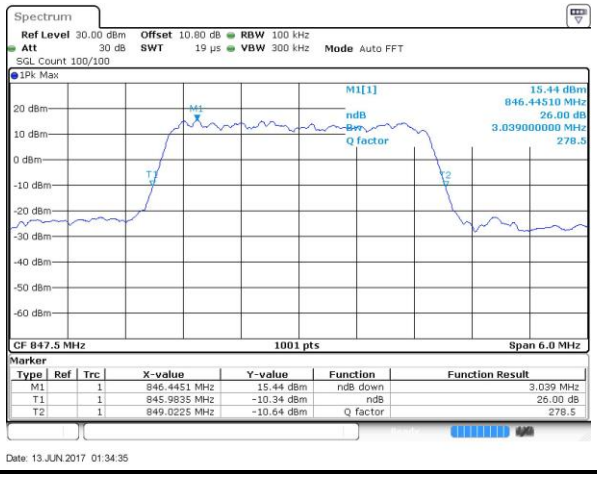
Highest Channel / 10MHz / QPSK

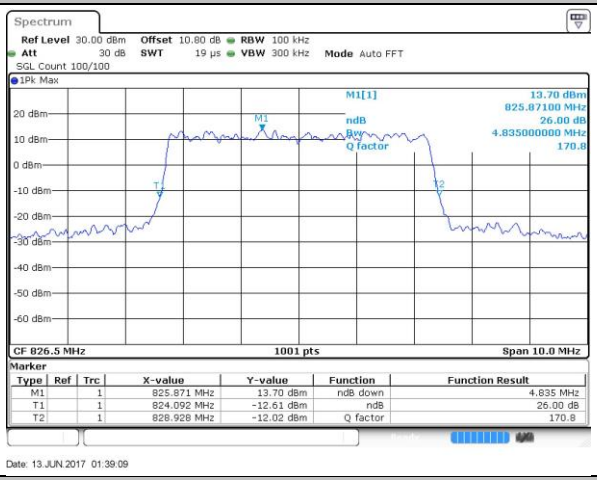
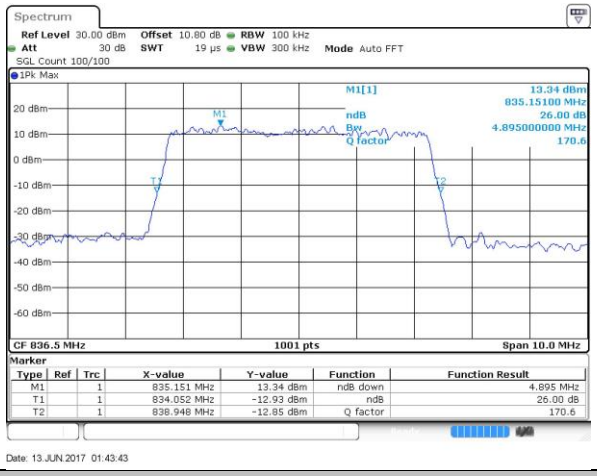
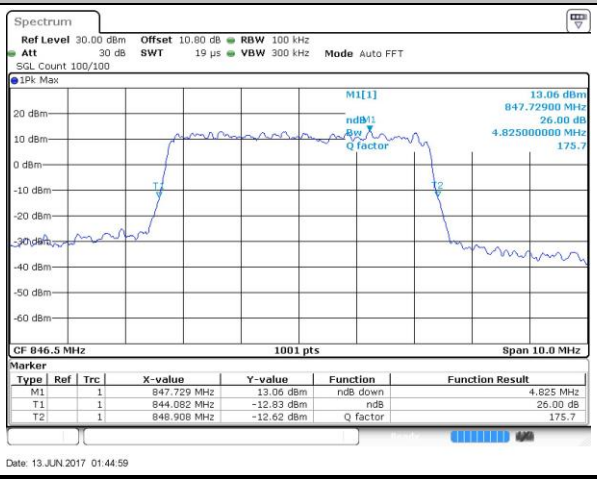


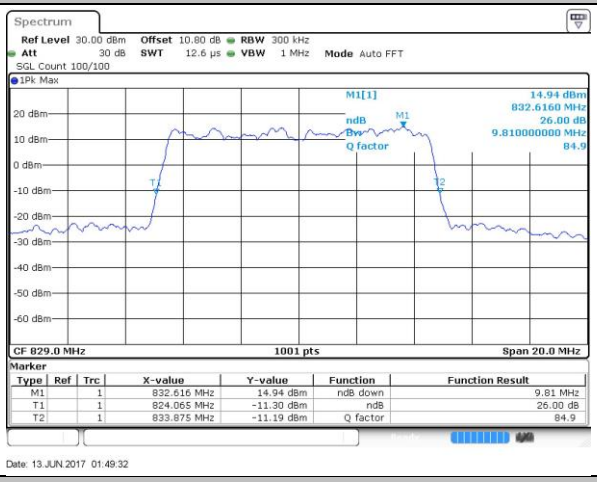
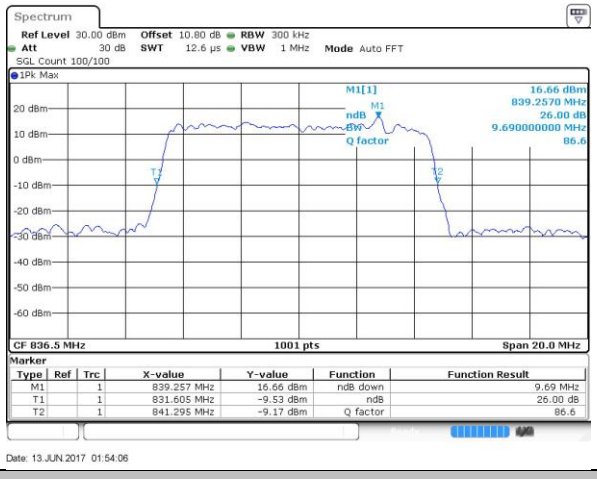
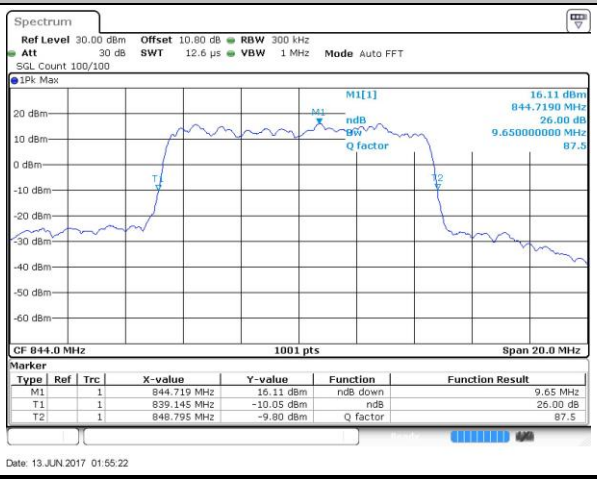
Highest Channel / 10MHz / 16QAM



LTE Band 5	
-	Lowest Channel / 1.4MHz / 64QAM
-	
-	Middle Channel / 1.4MHz / 64QAM
-	
-	Highest Channel / 1.4MHz / 64QAM
-	

LTE Band 5	
-	Lowest Channel / 3MHz / 64QAM
-	
-	Middle Channel /3MHz / 64QAM
-	
-	Highest Channel /3MHz / 64QAM
-	

LTE Band 5	
-	Lowest Channel / 5MHz / 64QAM
-	
-	Middle Channel / 5MHz / 64QAM
-	
-	Highest Channel / 5MHz / 64QAM
-	

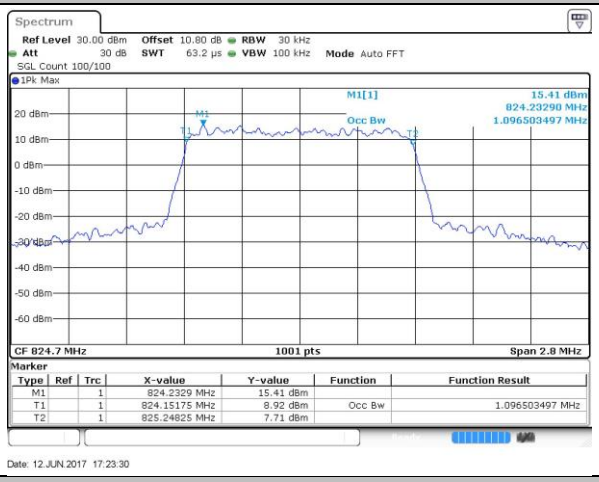
LTE Band 5	
-	Lowest Channel / 10MHz / 64QAM
-	
-	Middle Channel / 10MHz / 64QAM
-	
-	Highest Channel / 10MHz / 64QAM
-	

Occupied Bandwidth

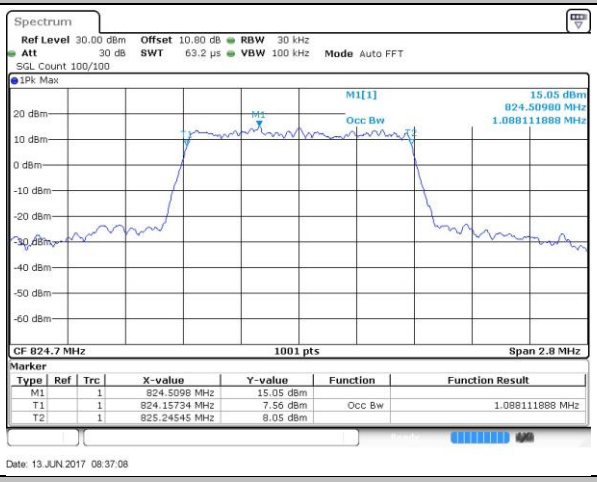
Mode	LTE Band 5 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.1	1.09	2.72	2.72	4.49	4.5	9.03	8.99	-	-	-	-
Middle CH	1.09	1.09	2.72	2.72	4.46	4.47	8.99	8.95	-	-	-	-
Highest CH	1.09	1.1	2.72	2.72	4.45	4.48	9.03	9.01	-	-	-	-
Mode	LTE Band 5 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	64QAM	QPSK	64QAM	QPSK	64QAM	QPSK	64QAM	QPSK	64QAM	QPSK	64QAM
Lowest CH	-	1.08	-	2.75	-	4.5	-	9.05	-	-	-	-
Middle CH	-	1.08	-	2.72	-	4.49	-	9.03	-	-	-	-
Highest CH	-	1.09	-	2.72	-	4.47	-	9.01	-	-	-	-

LTE Band 5

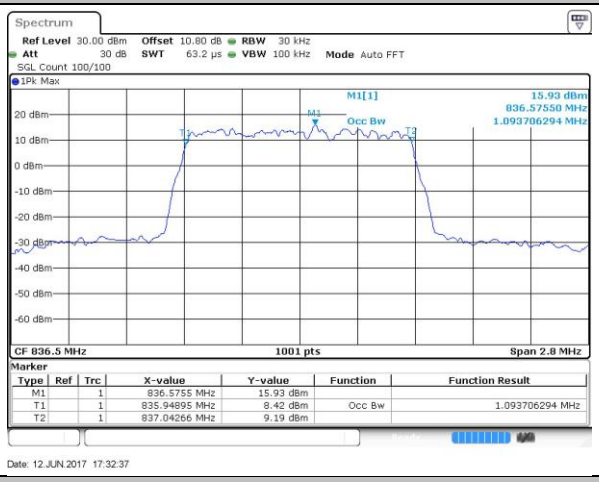
Lowest Channel / 1.4MHz / QPSK



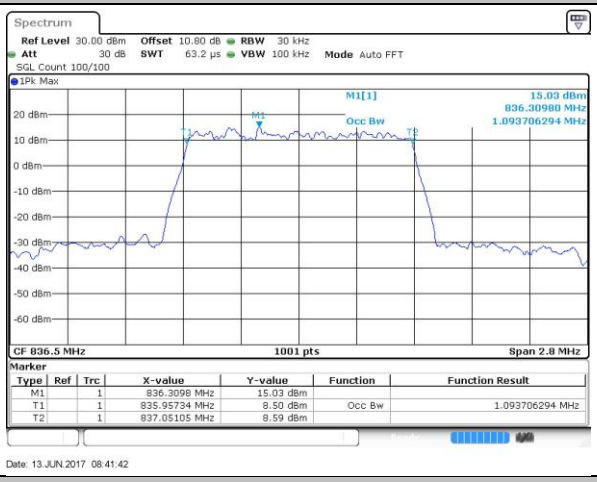
Lowest Channel / 1.4MHz / 16QAM



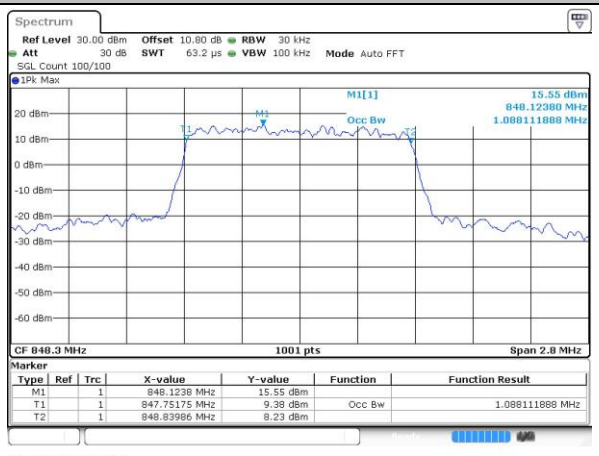
Middle Channel / 1.4MHz / QPSK



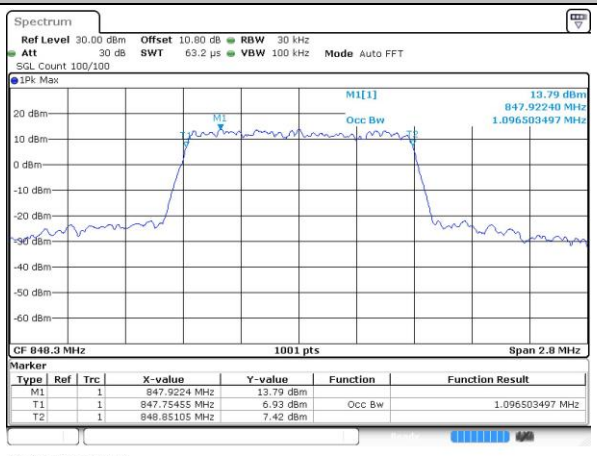
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

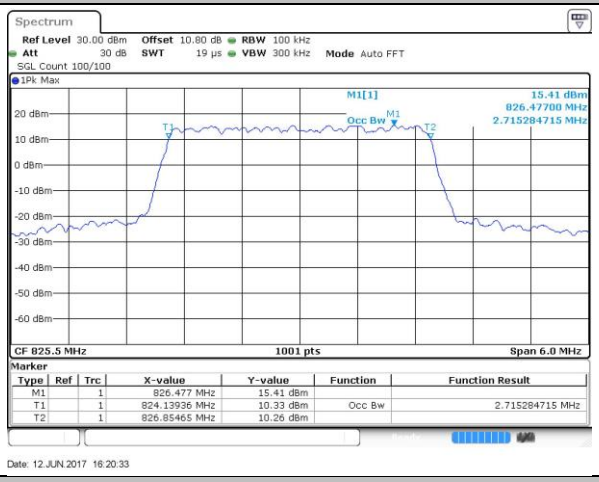


Highest Channel / 1.4MHz / 16QAM

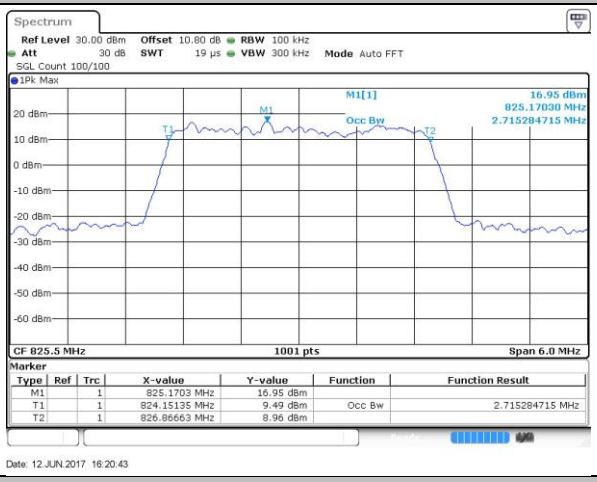


LTE Band 5

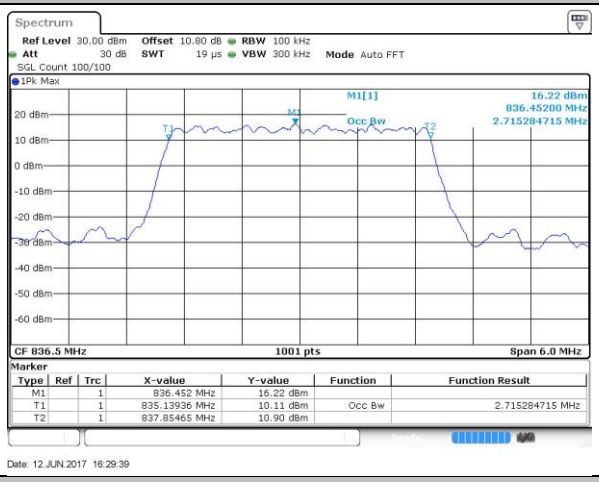
Lowest Channel / 3MHz / QPSK



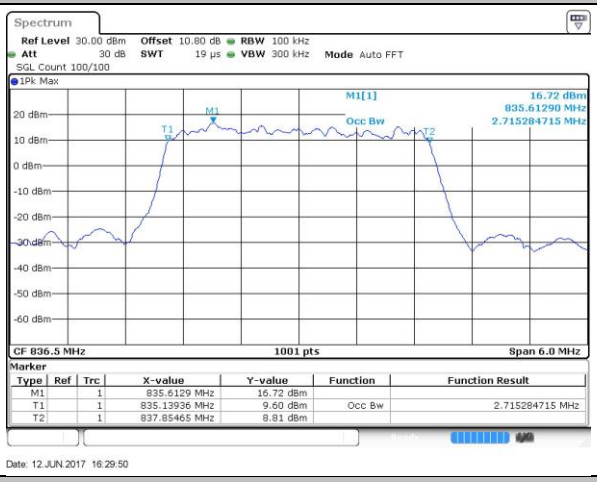
Lowest Channel / 3MHz / 16QAM



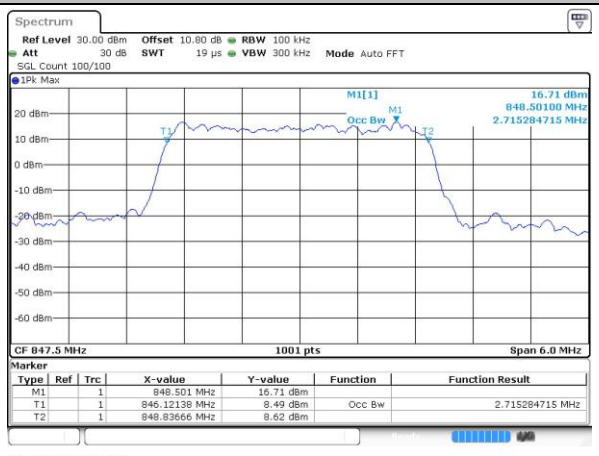
Middle Channel / 3MHz / QPSK



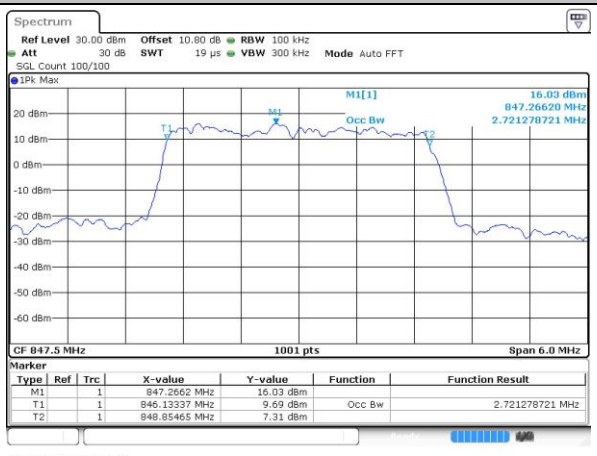
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

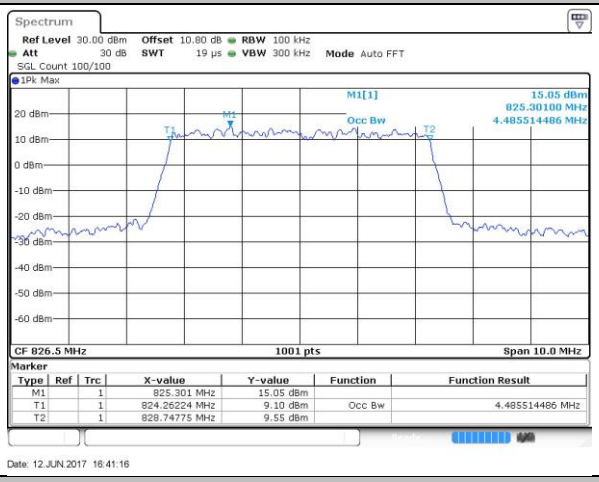


Highest Channel / 3MHz / 16QAM

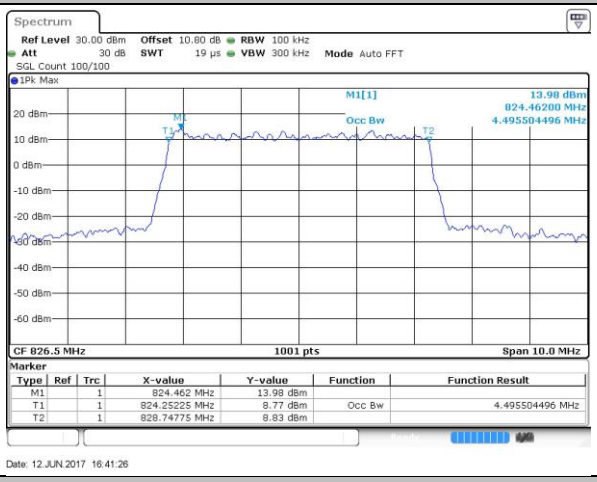


LTE Band 5

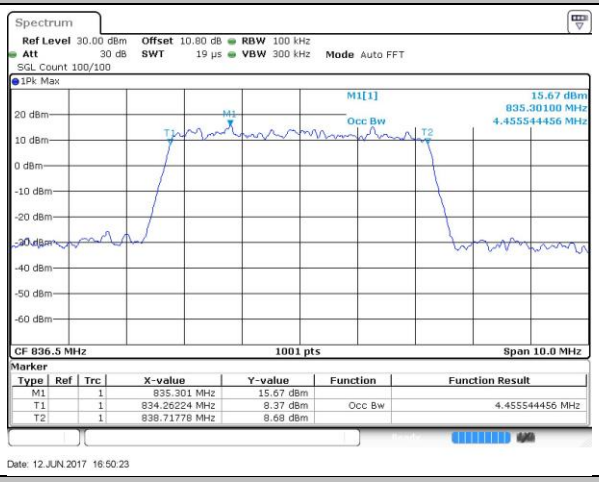
Lowest Channel / 5MHz / QPSK



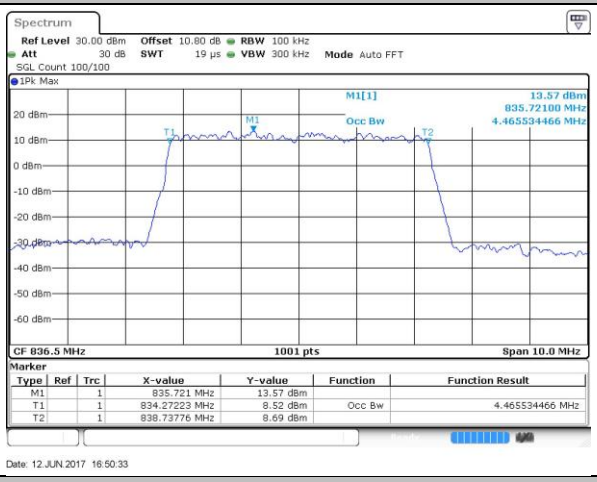
Lowest Channel / 5MHz / 16QAM



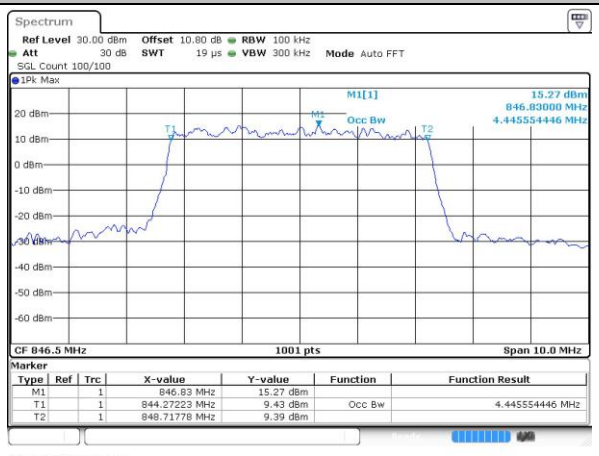
Middle Channel / 5MHz / QPSK



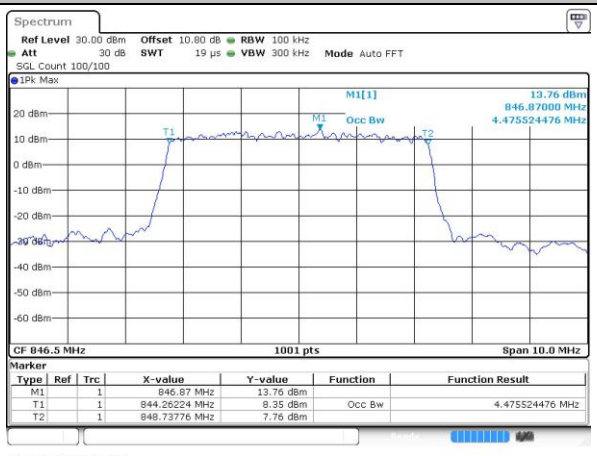
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

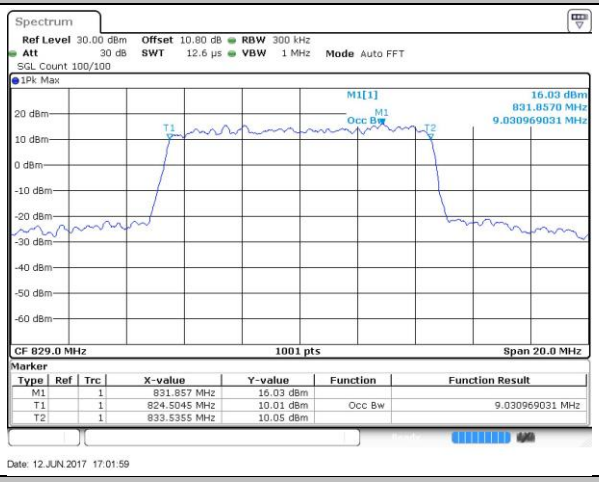


Highest Channel / 5MHz / 16QAM

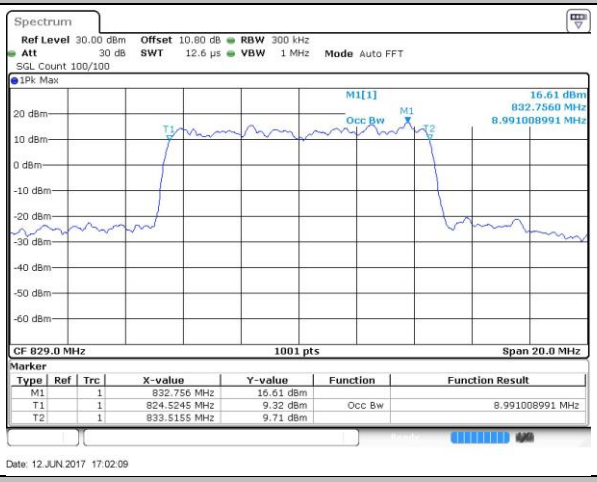


LTE Band 5

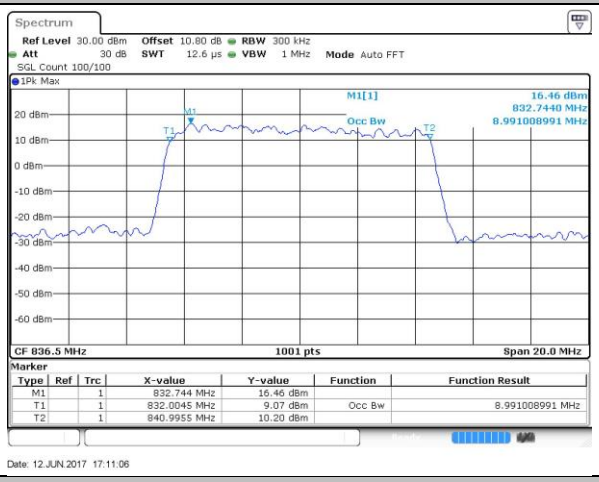
Lowest Channel / 10MHz / QPSK



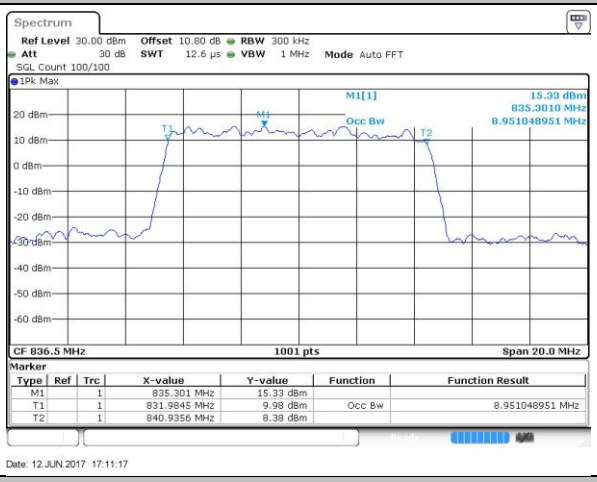
Lowest Channel / 10MHz / 16QAM



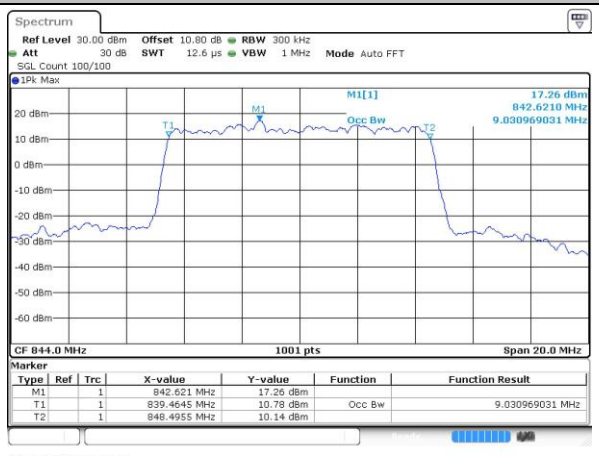
Middle Channel / 10MHz / QPSK



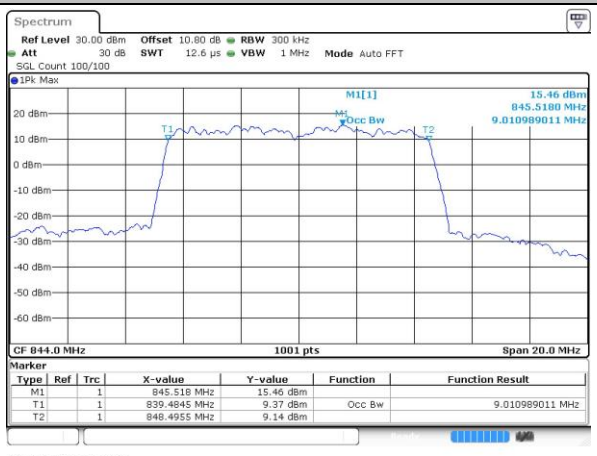
Middle Channel / 10MHz / 16QAM

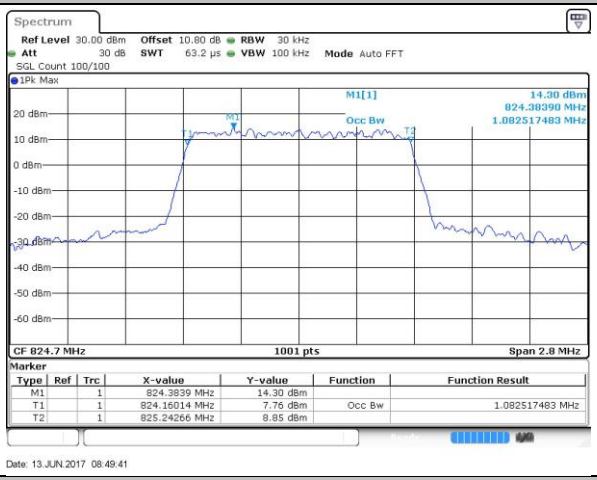
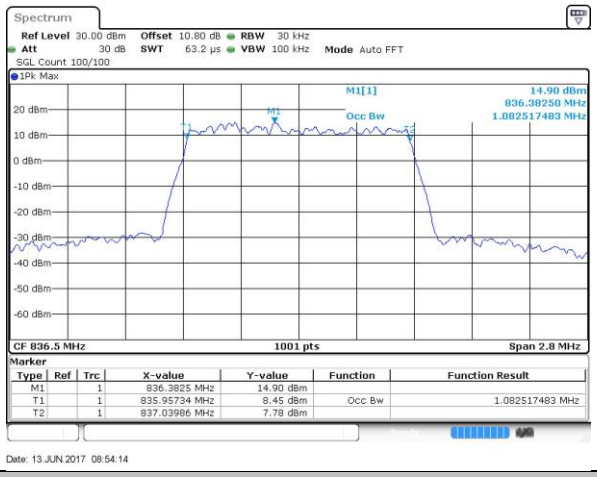
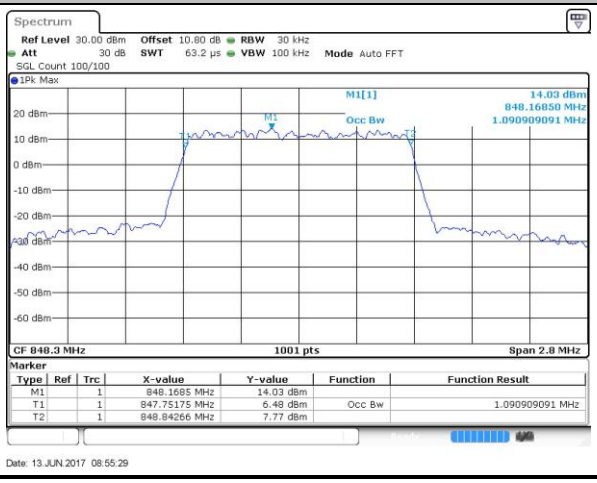


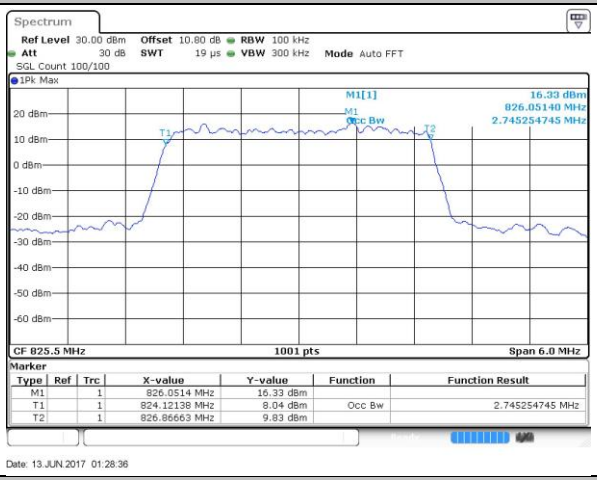
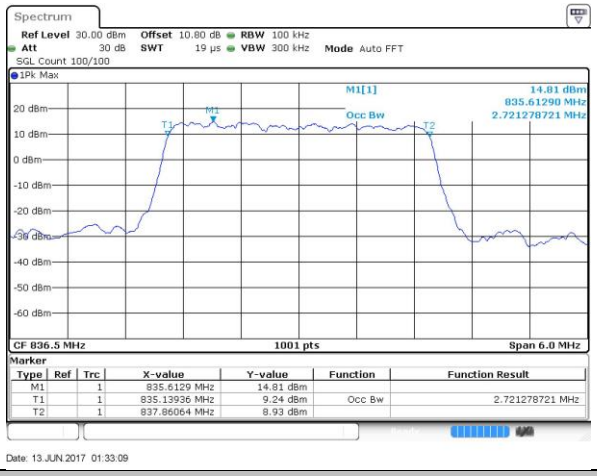
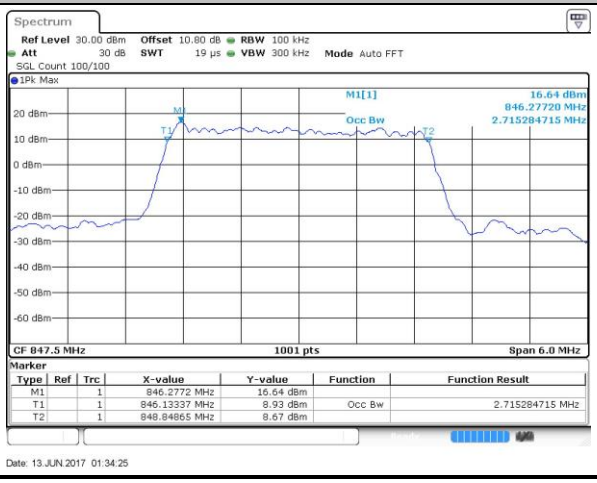
Highest Channel / 10MHz / QPSK

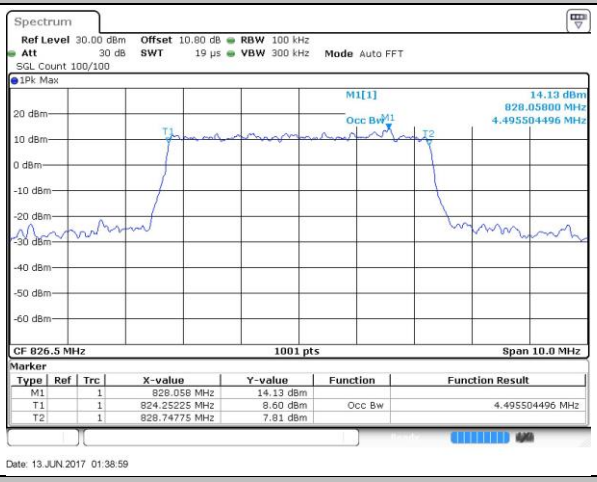
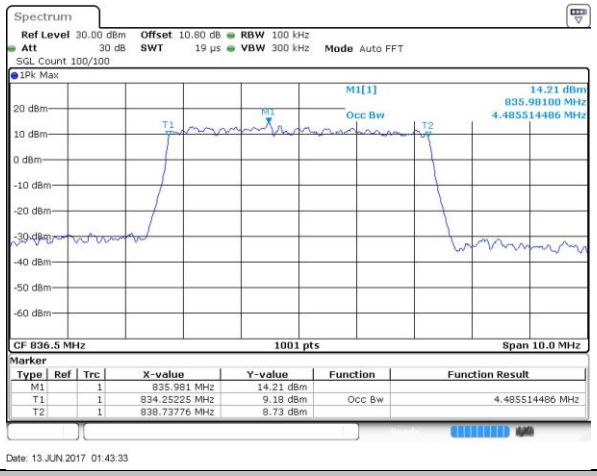
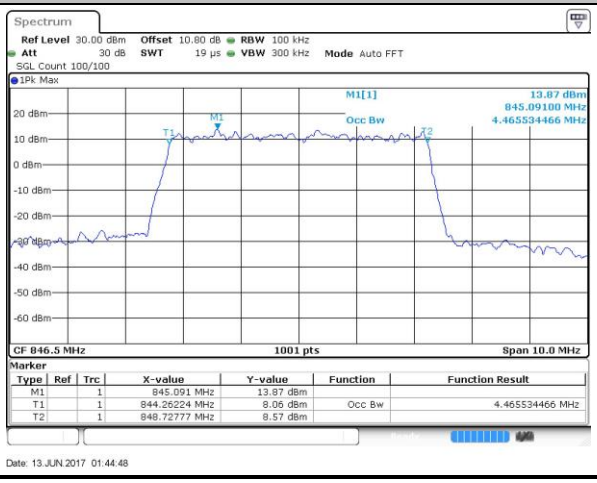


Highest Channel / 10MHz / 16QAM



LTE Band 5	
-	Lowest Channel / 1.4MHz / 64QAM
-	
-	Middle Channel / 1.4MHz / 64QAM
-	
-	Highest Channel / 1.4MHz / 64QAM
-	

LTE Band 5	
-	**Lowest Channel / 3MHz / 64QAM**
-	
-	**Middle Channel / 3MHz / 64QAM**
-	
-	**Highest Channel / 3MHz / 64QAM**
-	

LTE Band 5	
-	Lowest Channel / 5MHz / 64QAM
-	
-	Middle Channel / 5MHz / 64QAM
-	
-	Highest Channel / 5MHz / 64QAM
-