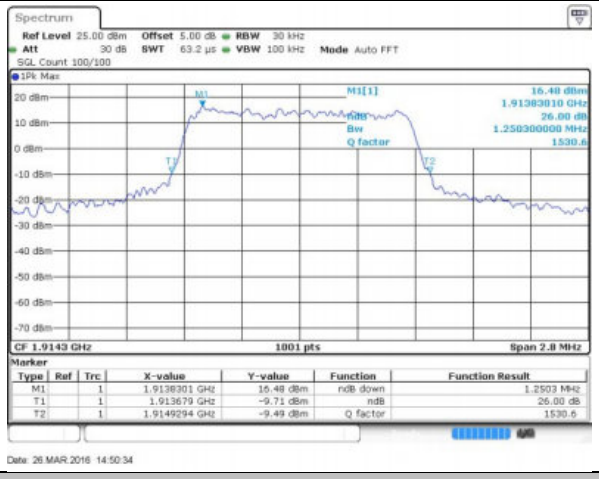
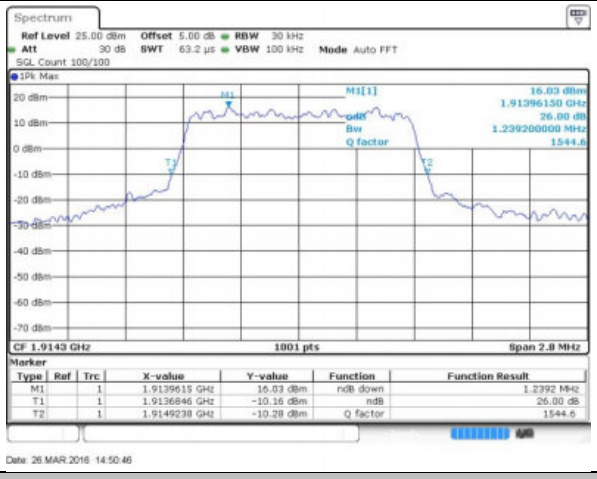
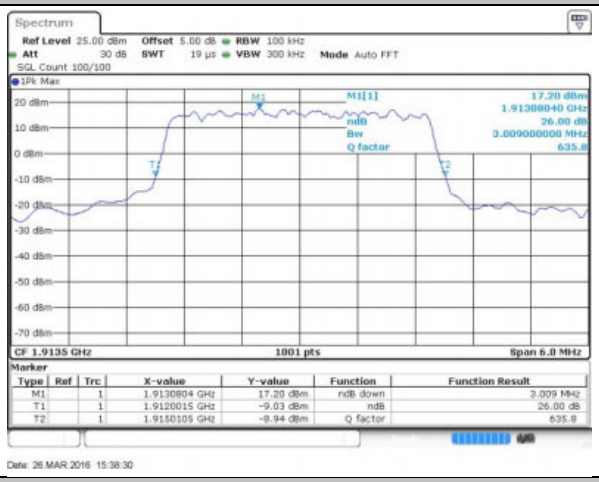
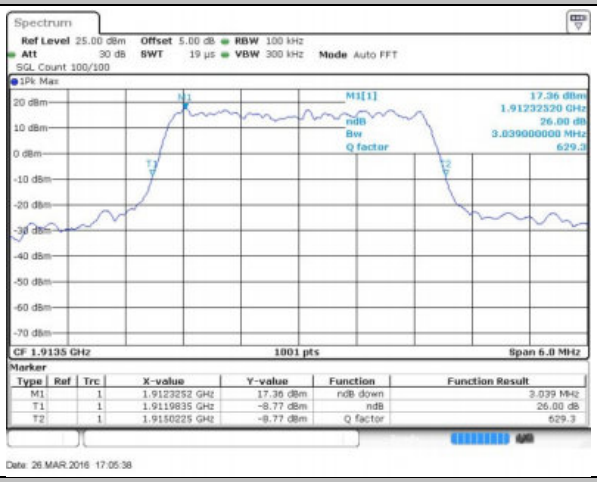
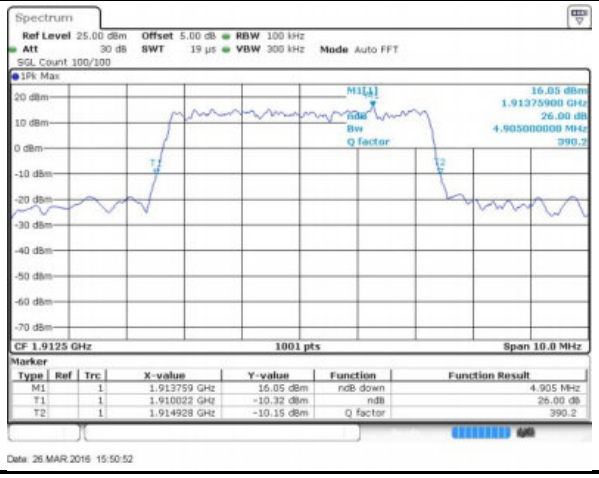
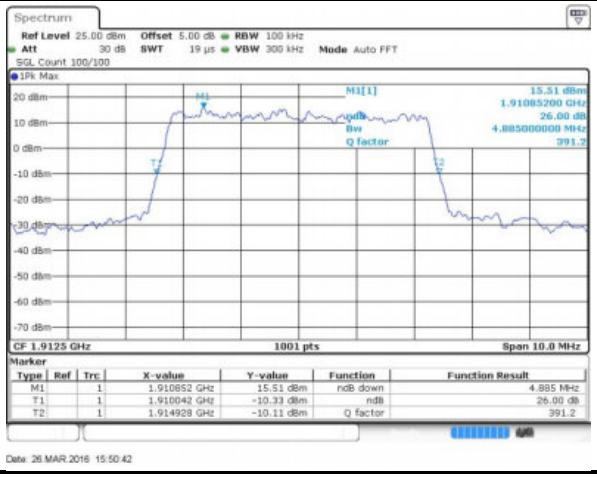
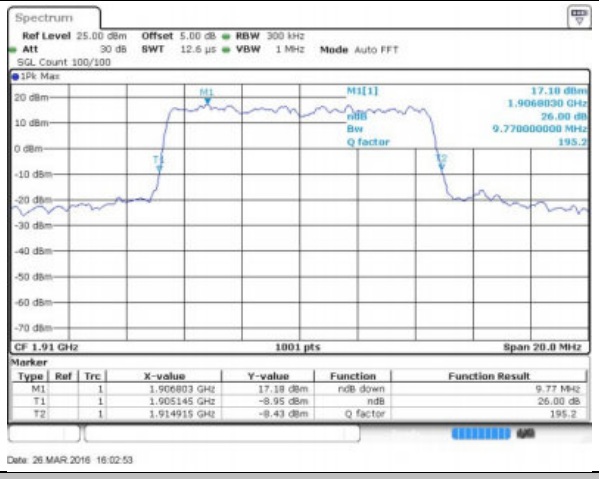
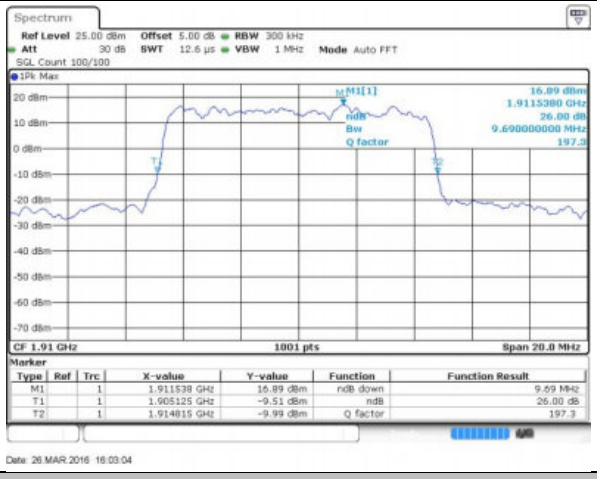
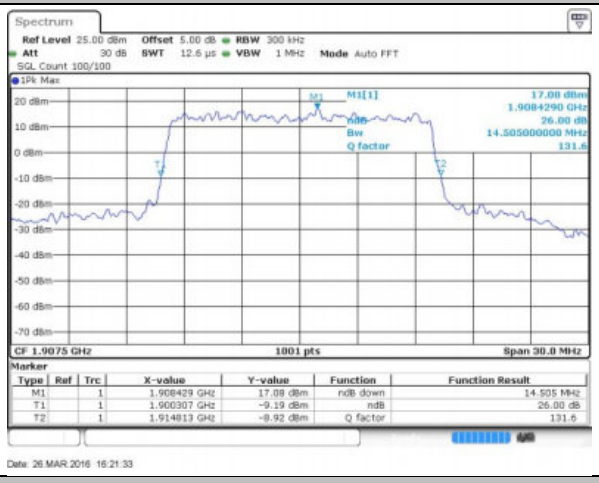
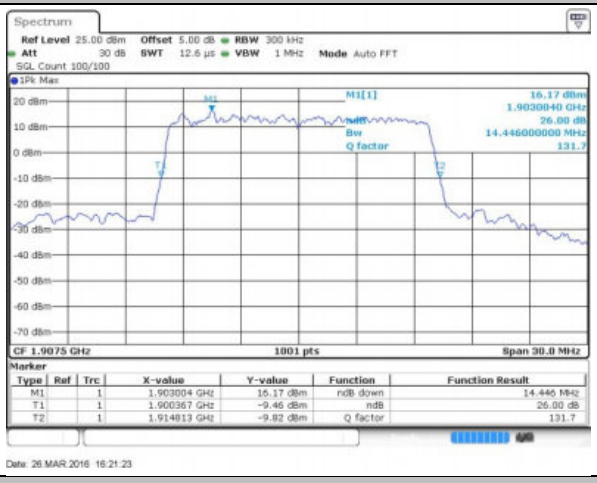
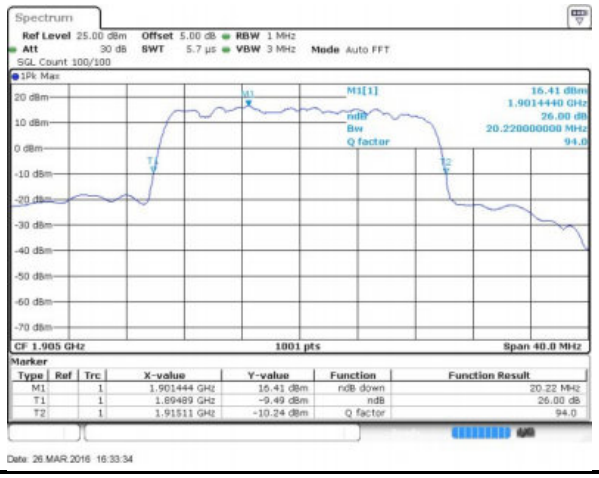
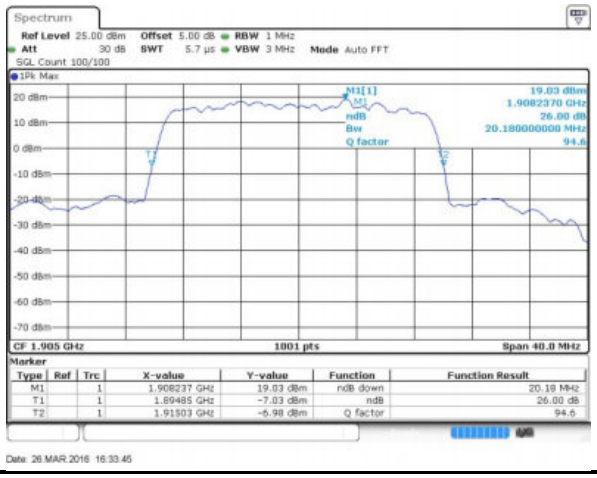
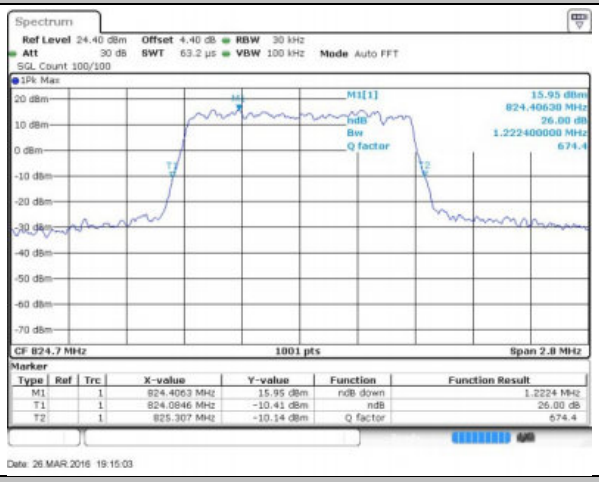
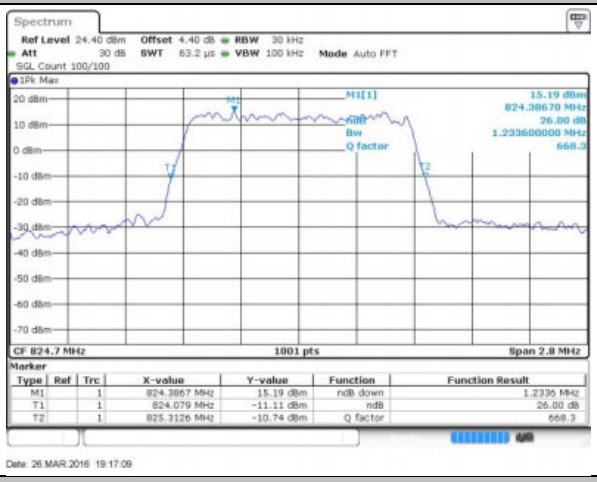
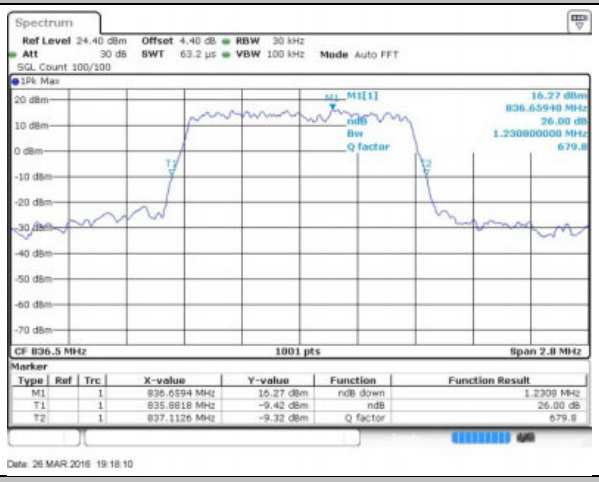
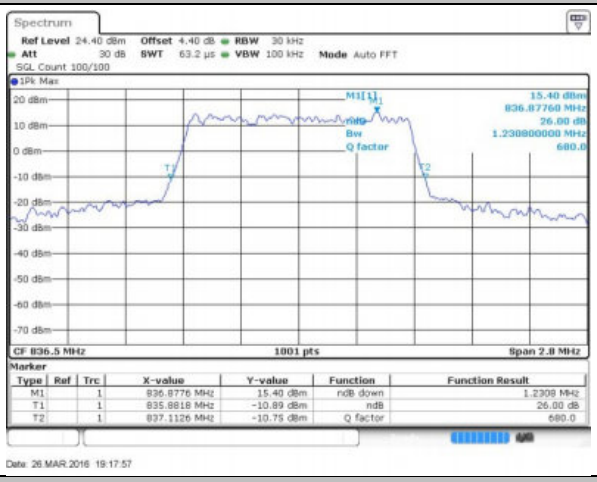
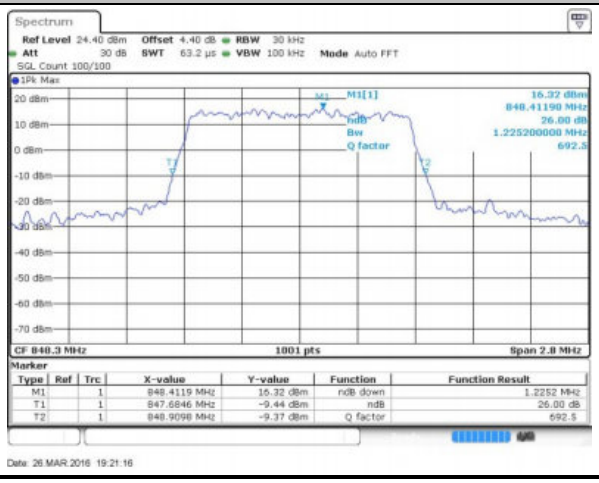
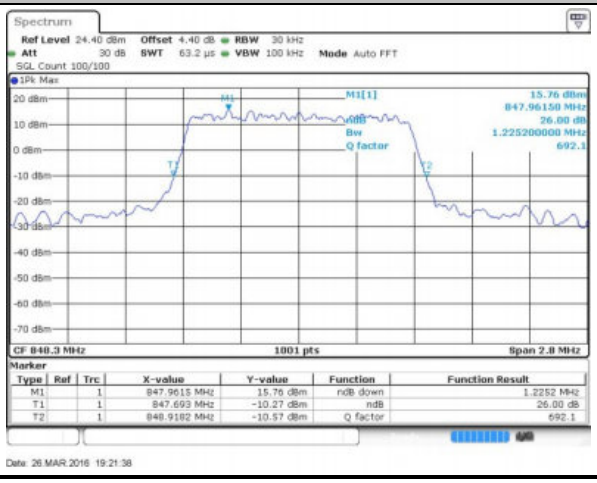
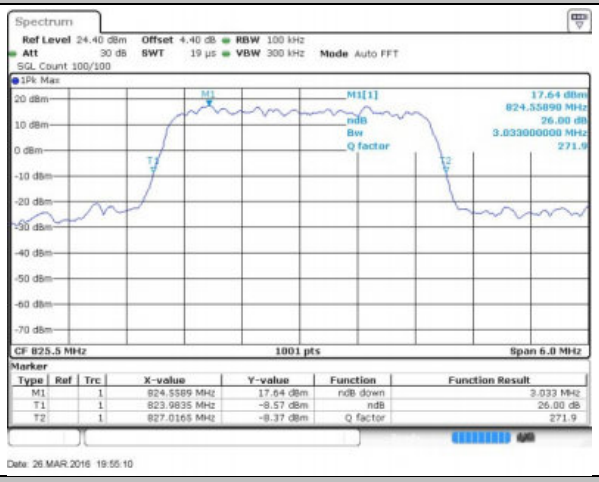
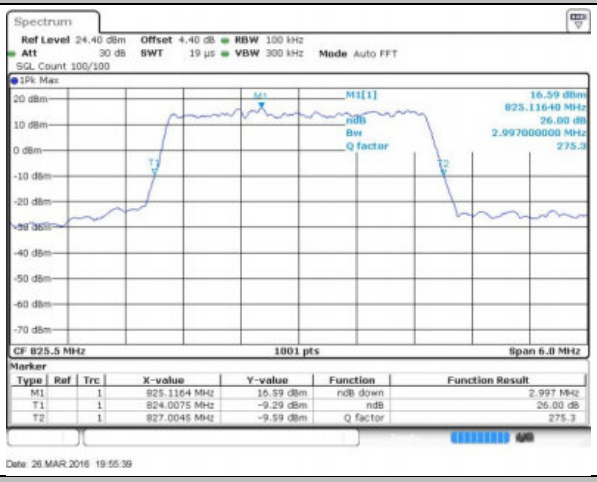
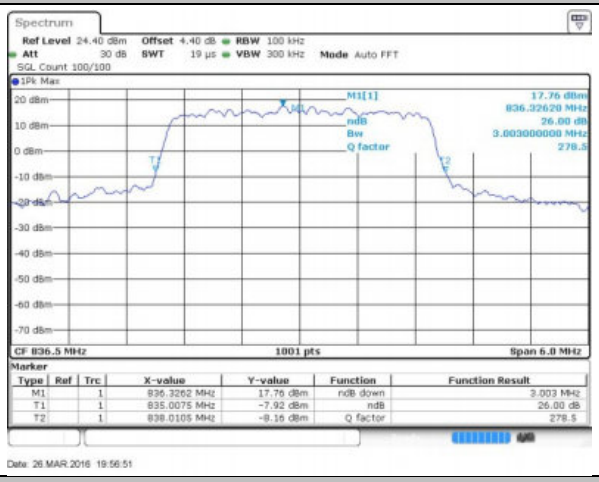
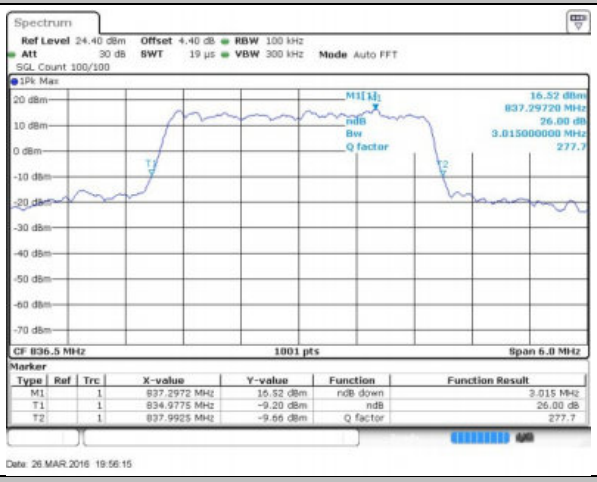
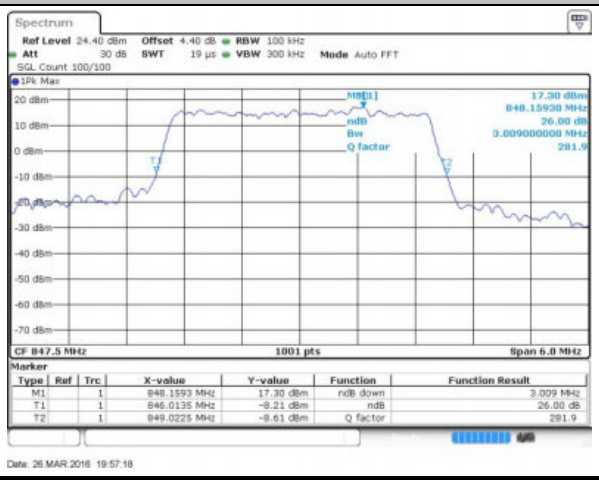
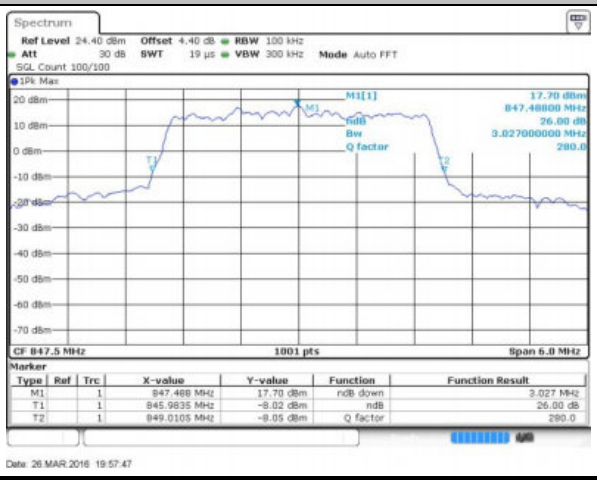
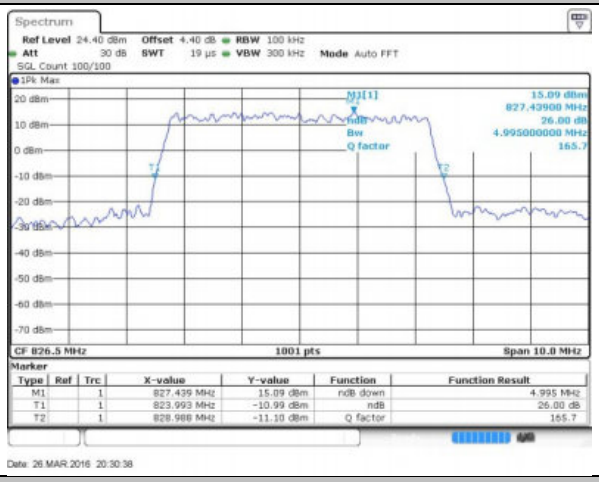
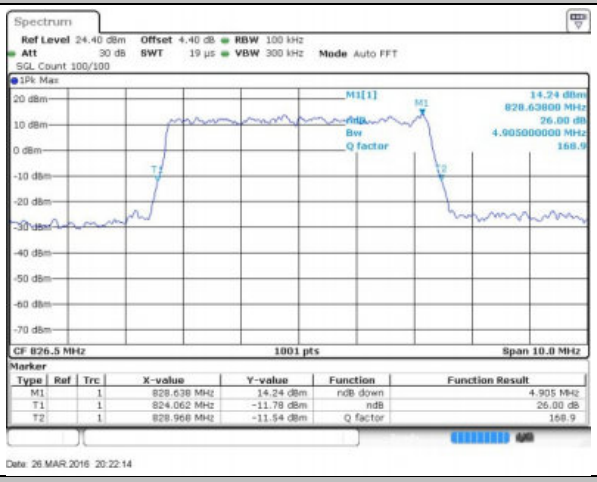
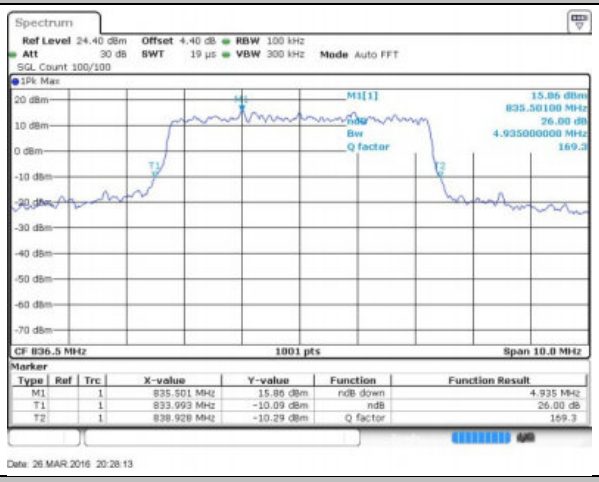
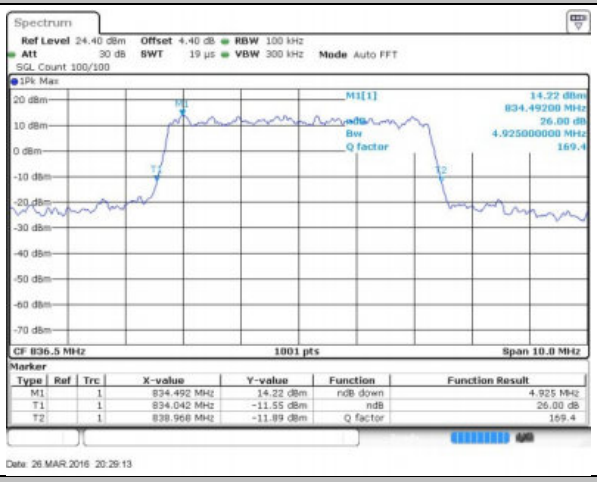
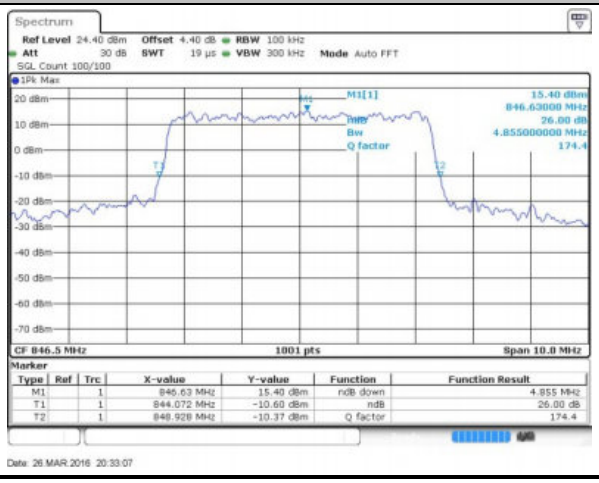
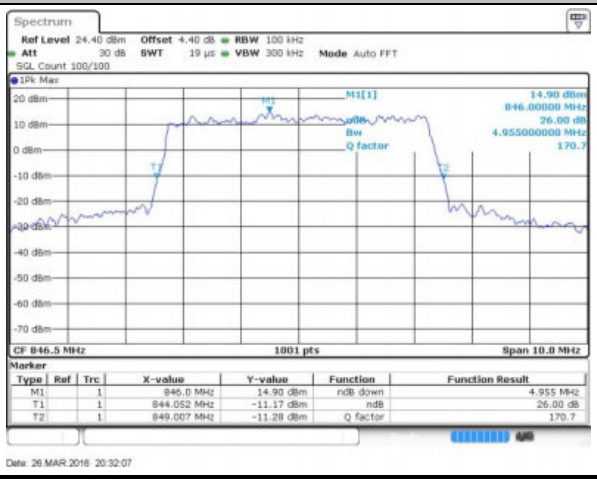
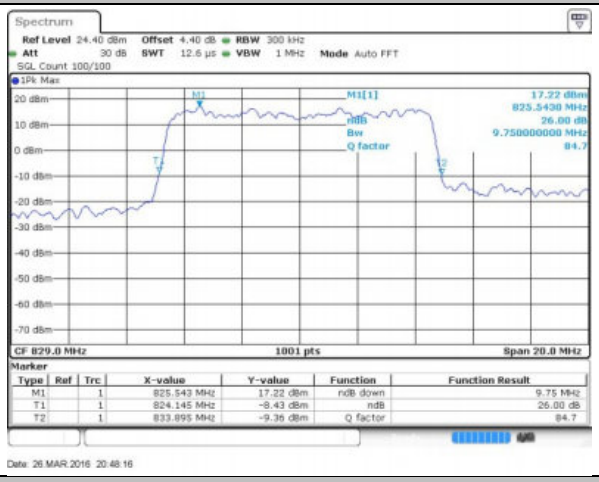
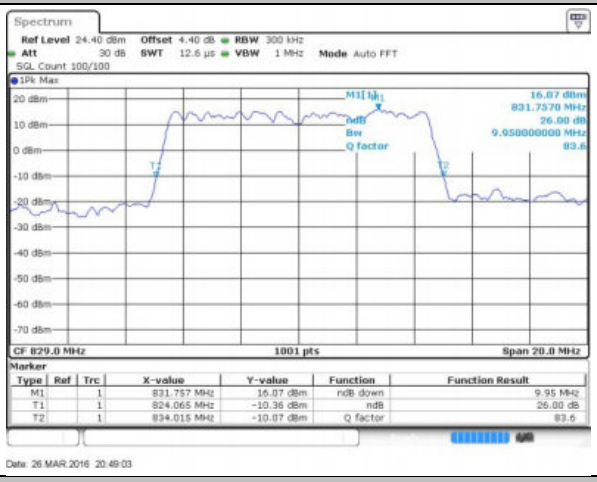
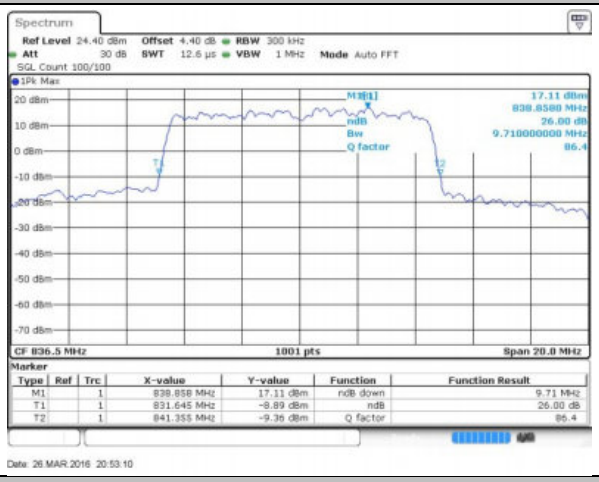
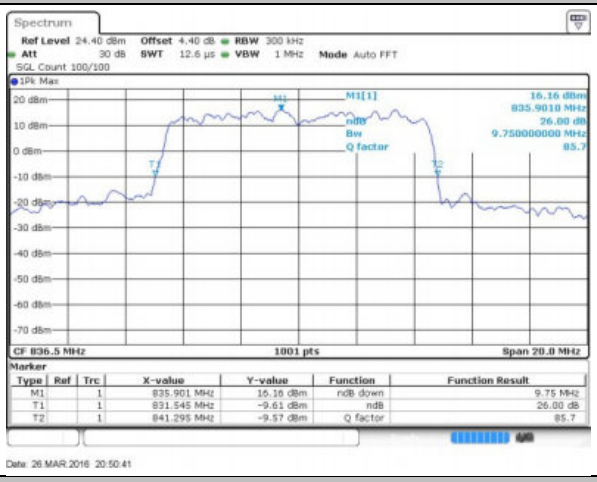
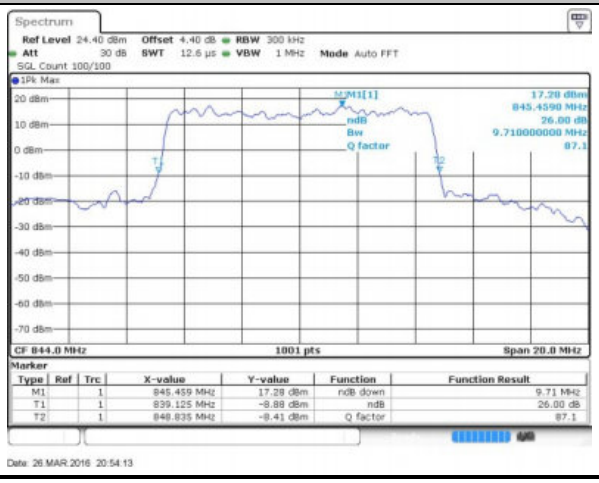
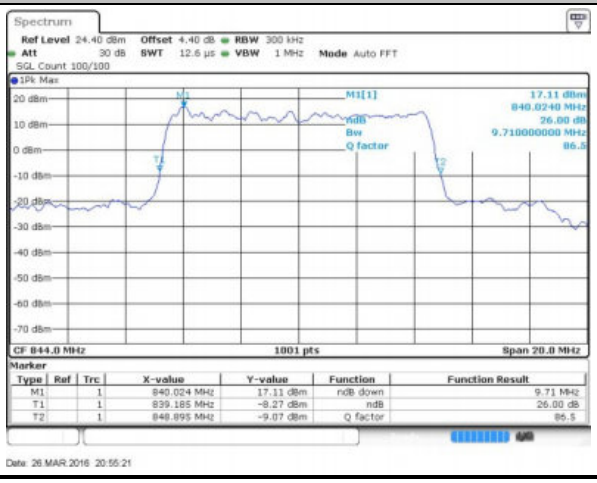
LTE Band 25	
Highest Channel / 1.4MHz / QPSK	Highest Channel / 1.4MHz / 16QAM
	
Highest Channel /3MHz / QPSK	Highest Channel /3MHz / 16QAM
	
Highest Channel / 5MHz / QPSK	Highest Channel / 5MHz / 16QAM
	

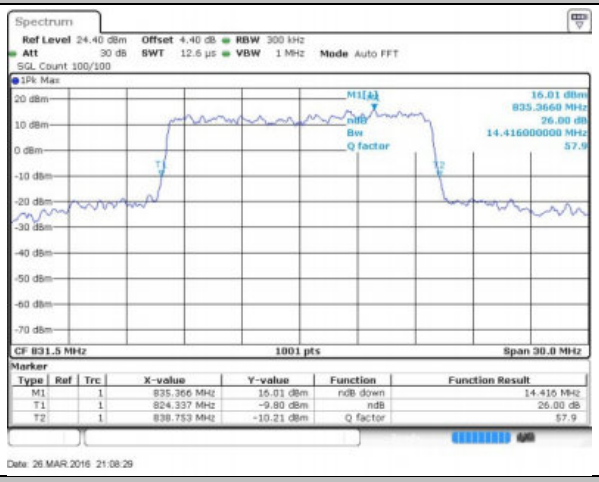
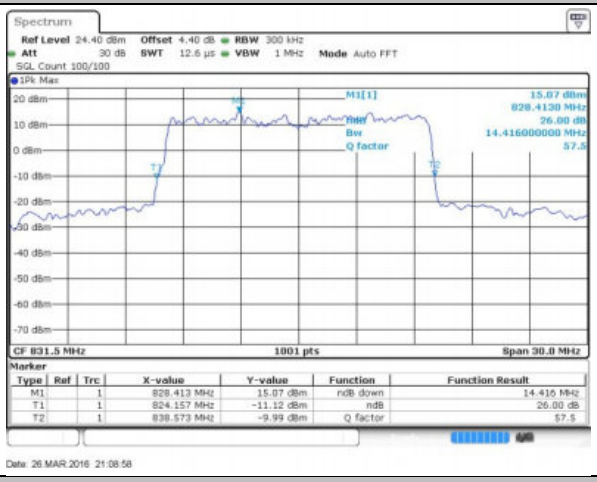
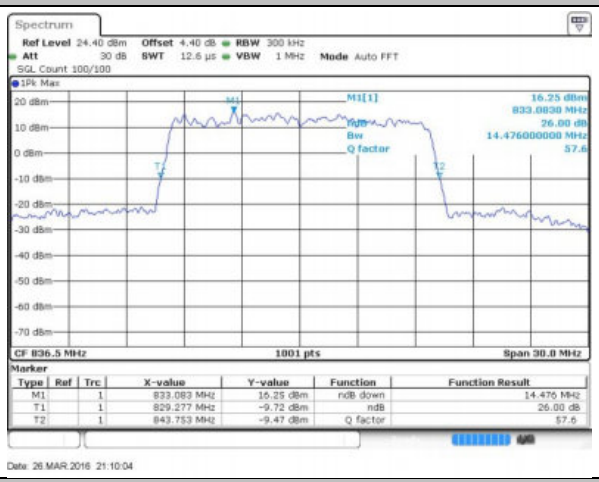
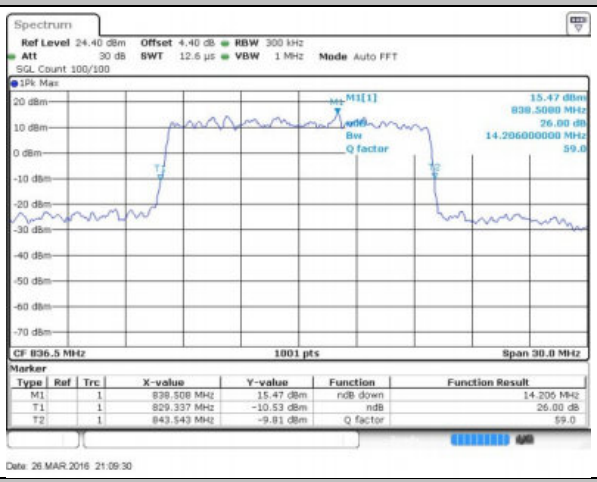
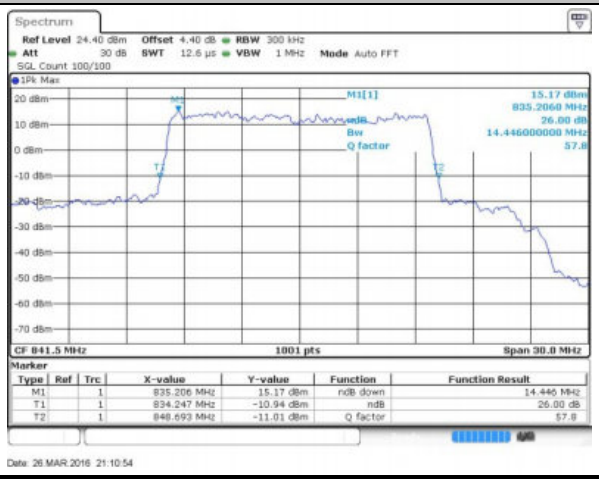
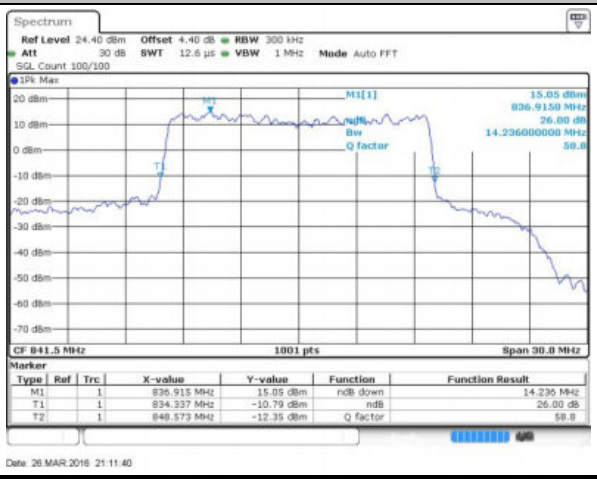
LTE Band 25	
Highest Channel / 10MHz / QPSK	Highest Channel / 10MHz / 16QAM
	
Highest Channel / 15MHz / QPSK	Highest Channel / 15MHz / 16QAM
	
Highest Channel / 20MHz / QPSK	Highest Channel / 20MHz / 16QAM
	

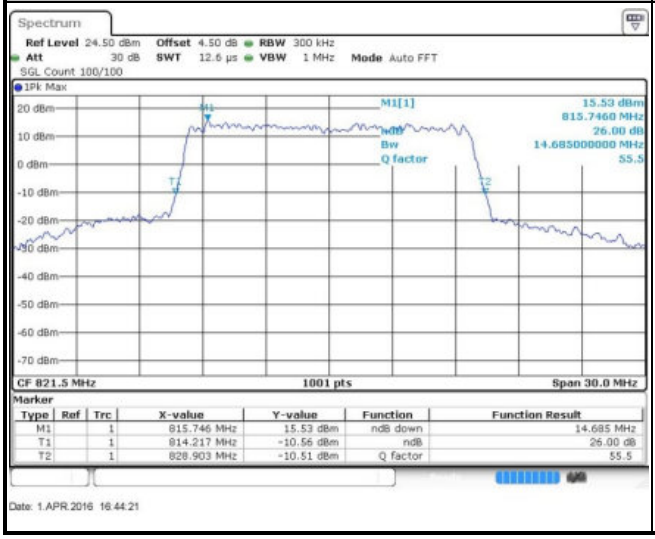
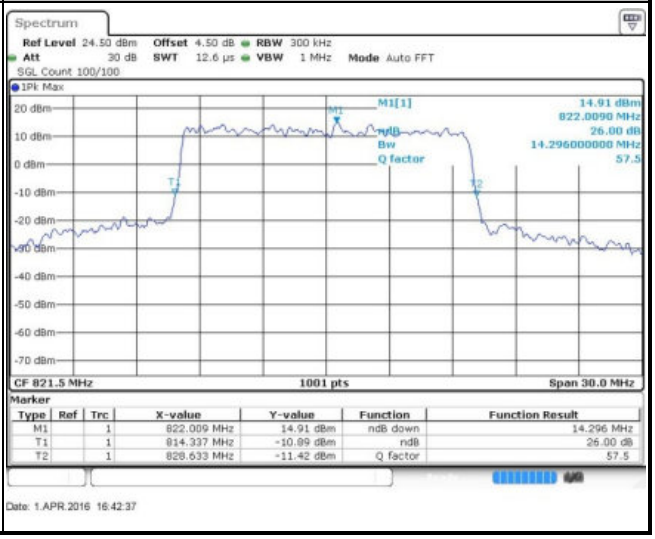
LTE Band 26	
Lowest Channel / 1.4MHz / QPSK	Lowest Channel / 1.4MHz / 16QAM
	
Middle Channel / 1.4MHz / QPSK	Middle Channel / 1.4MHz / 16QAM
	
Highest Channel / 1.4MHz / QPSK	Highest Channel / 1.4MHz / 16QAM
	

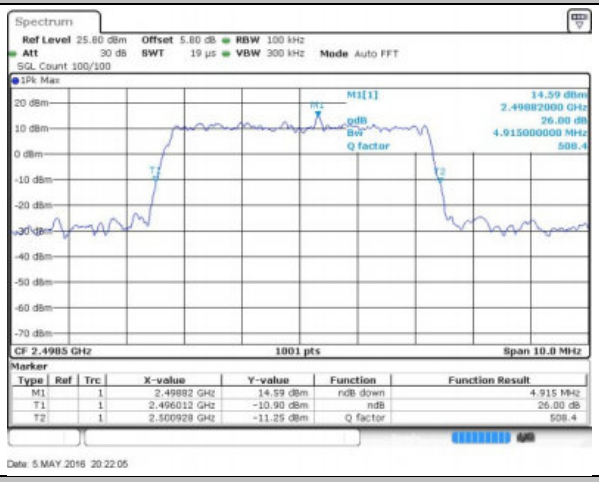
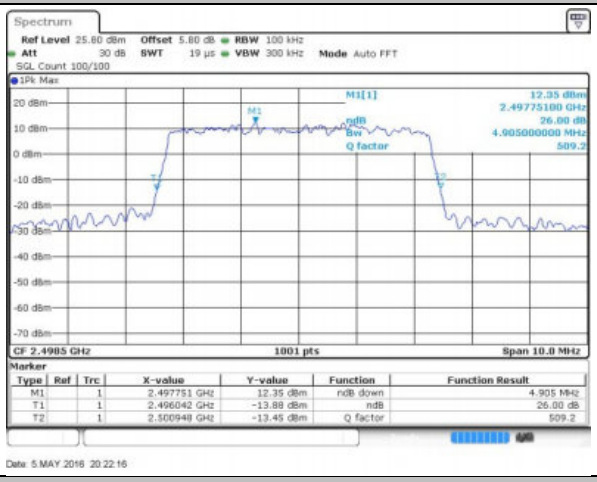
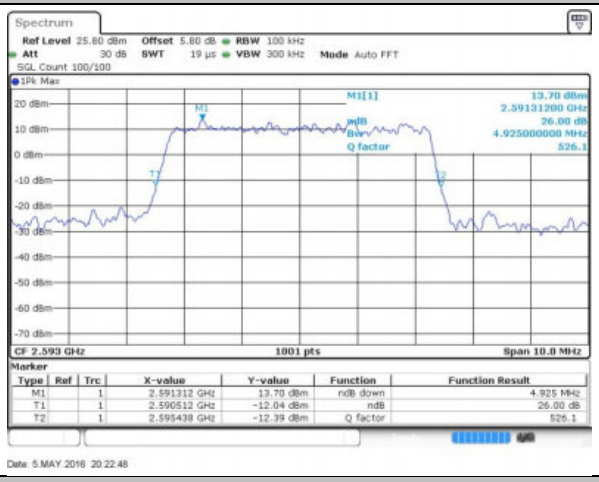
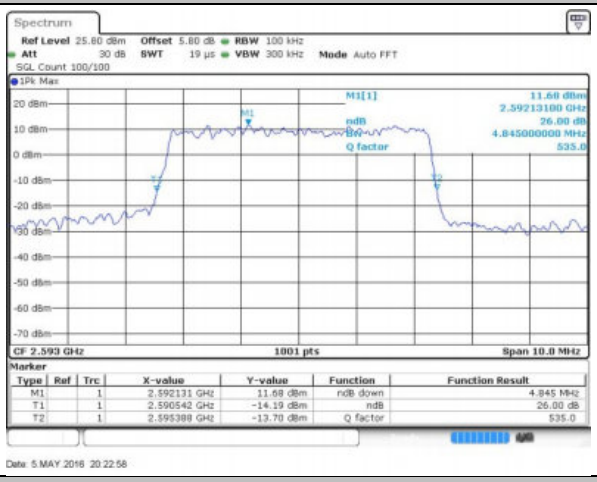
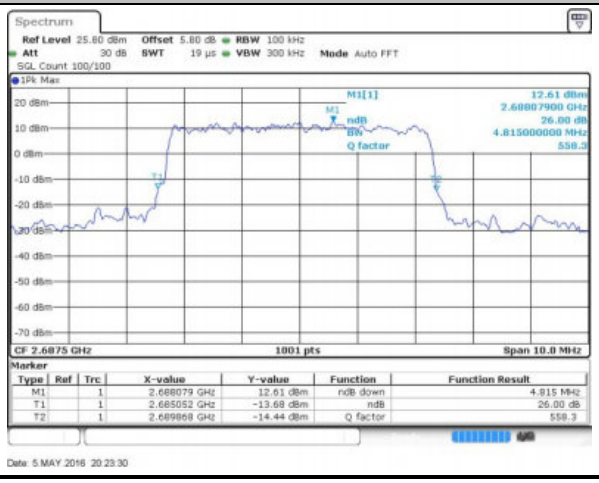
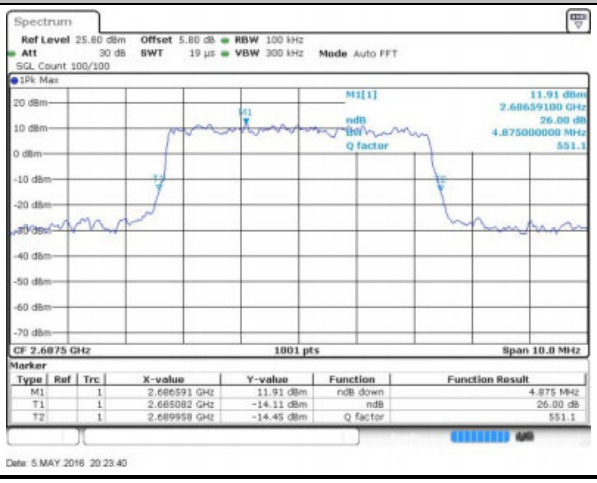
LTE Band 26	
Lowest Channel / 3MHz / QPSK	Lowest Channel / 3MHz / 16QAM
	
Middle Channel / 3MHz / QPSK	Middle Channel /3MHz / 16QAM
	
Highest Channel /3MHz / QPSK	Highest Channel /3MHz / 16QAM
	

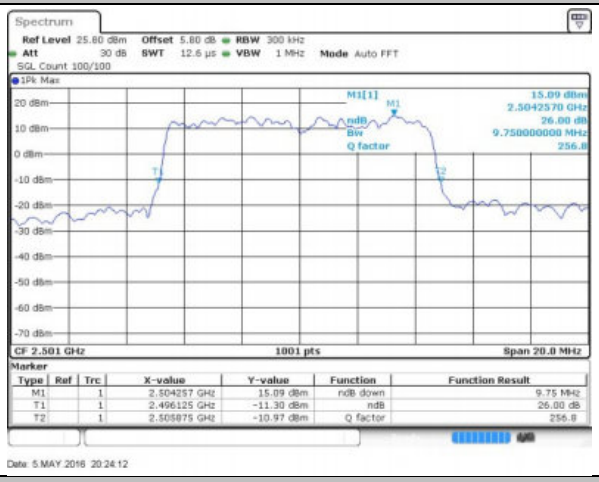
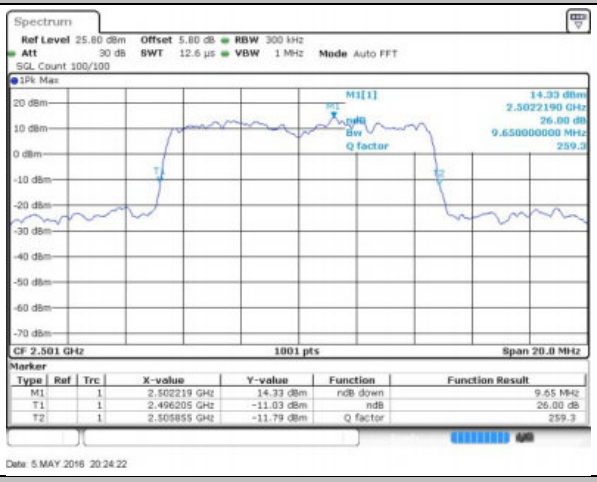
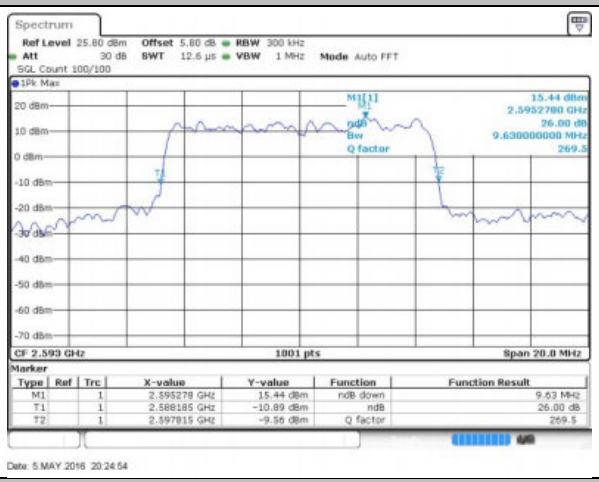
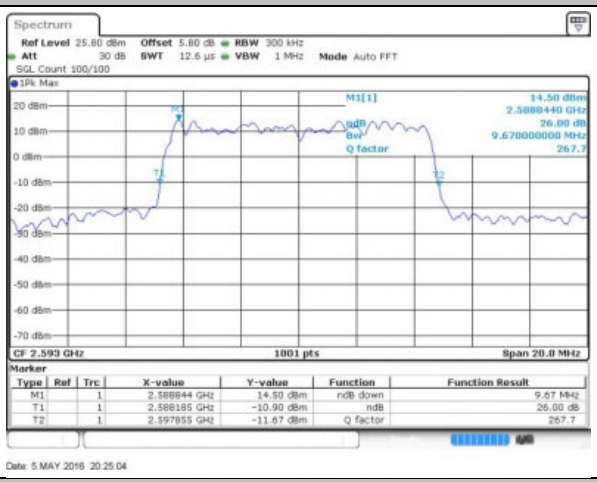
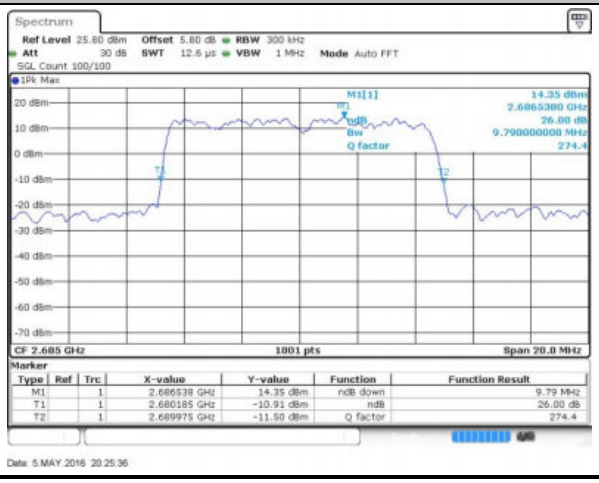
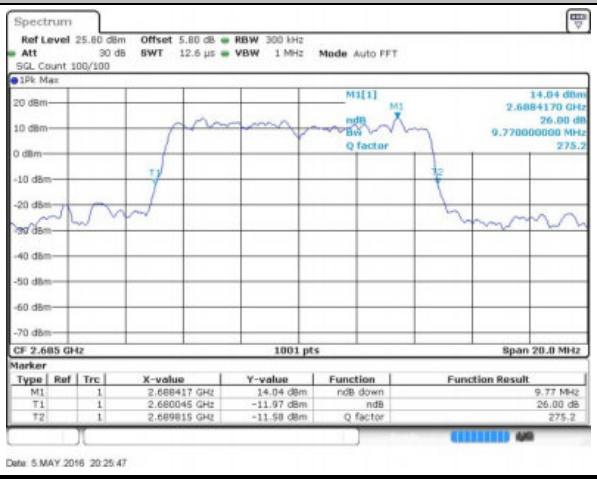
LTE Band 26	
Lowest Channel / 5MHz / QPSK	Lowest Channel / 5MHz / 16QAM
	
Middle Channel / 5MHz / QPSK	Middle Channel / 5MHz / 16QAM
	
Highest Channel / 5MHz / QPSK	Highest Channel / 5MHz / 16QAM
	

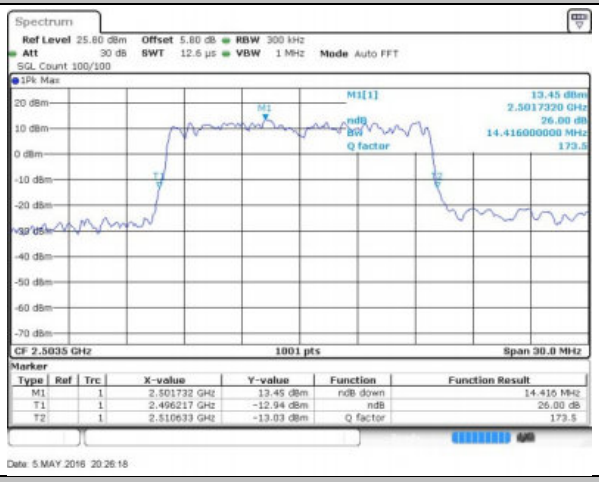
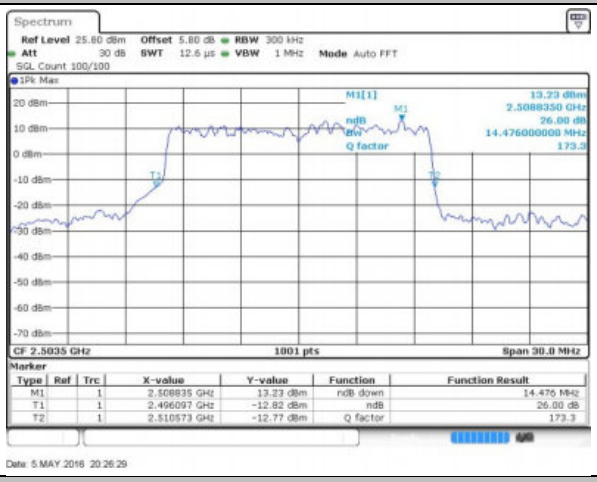
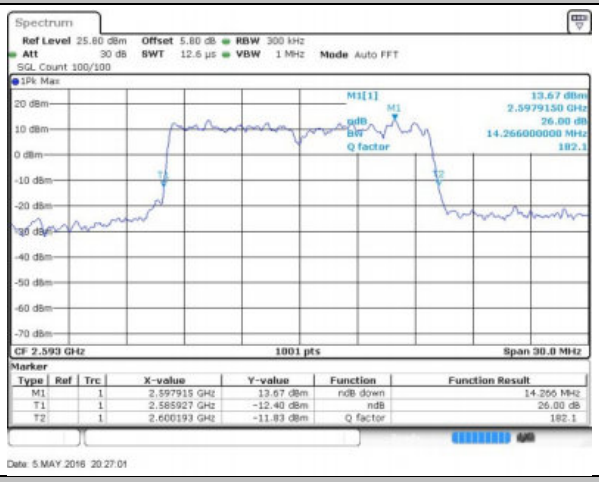
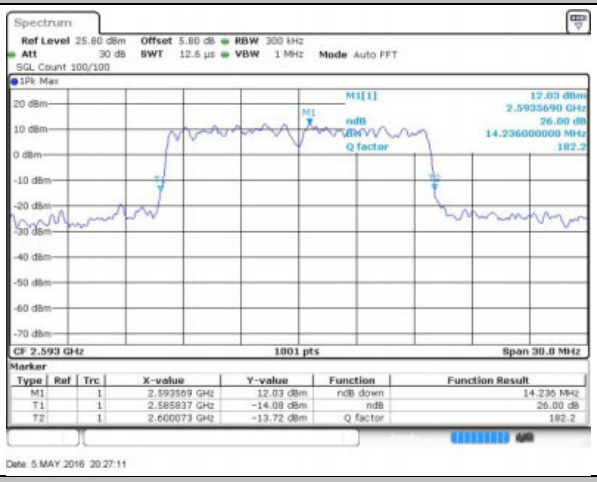
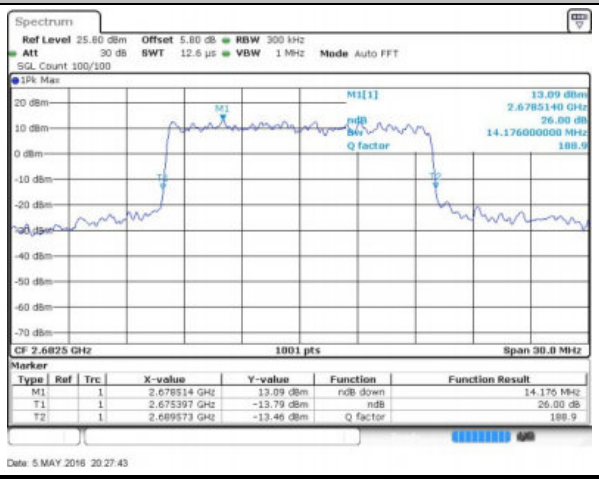
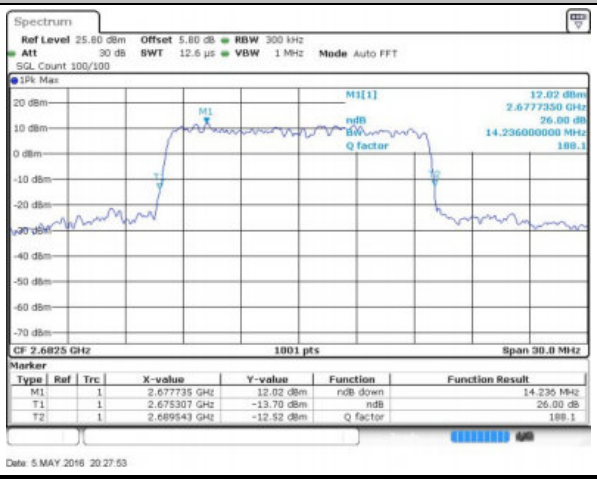
LTE Band 26	
Lowest Channel / 10MHz / QPSK	Lowest Channel / 10MHz / 16QAM
	
Middle Channel / 10MHz / QPSK	Middle Channel / 10MHz / 16QAM
	
Highest Channel / 10MHz / QPSK	Highest Channel / 10MHz / 16QAM
	

LTE Band 26	
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 26	
Channel 26765 / 15MHz / QPSK	Channel 26765 / 15MHz / 16QAM
	

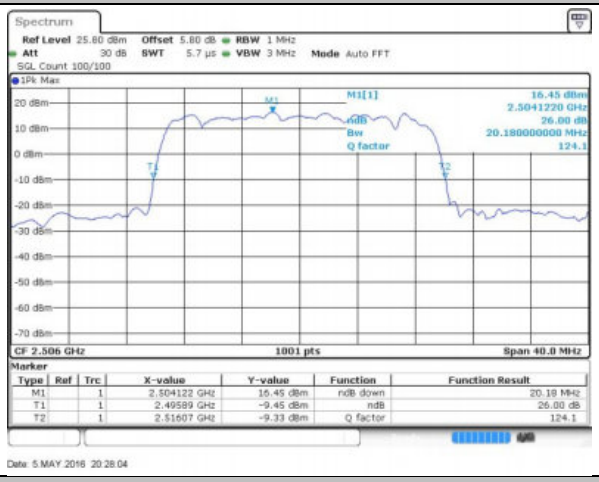
LTE Band 41	
Lowest Channel / 5MHz / QPSK	Lowest Channel / 5MHz / 16QAM
	
Middle Channel / 5MHz / QPSK	Middle Channel / 5MHz / 16QAM
	
Highest Channel / 5MHz / QPSK	Highest Channel / 5MHz / 16QAM
	

LTE Band 41	
Lowest Channel / 10MHz / QPSK	Lowest Channel / 10MHz / 16QAM
	
Middle Channel / 10MHz / QPSK	Middle Channel / 10MHz / 16QAM
	
Highest Channel / 10MHz / QPSK	Highest Channel / 10MHz / 16QAM
	

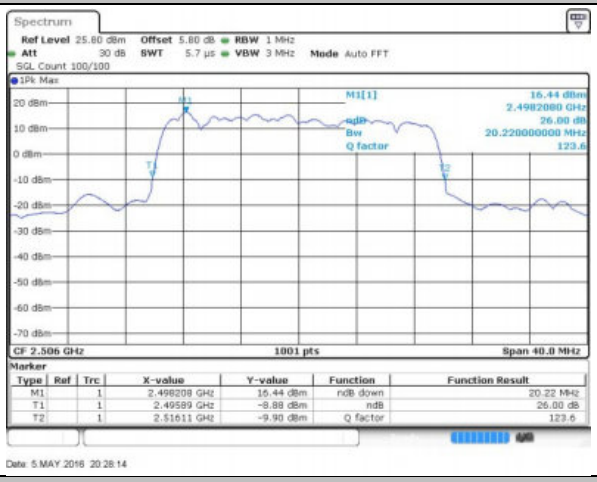
LTE Band 41	
Lowest Channel / 15MHz / QPSK	Lowest Channel / 15MHz / 16QAM
	
Middle Channel / 15MHz / QPSK	Middle Channel / 15MHz / 16QAM
	
Highest Channel / 15MHz / QPSK	Highest Channel / 15MHz / 16QAM
	

LTE Band 41

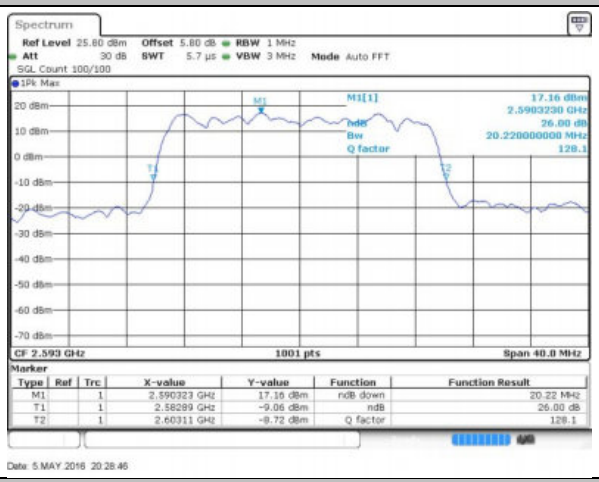
Lowest Channel / 20MHz / QPSK



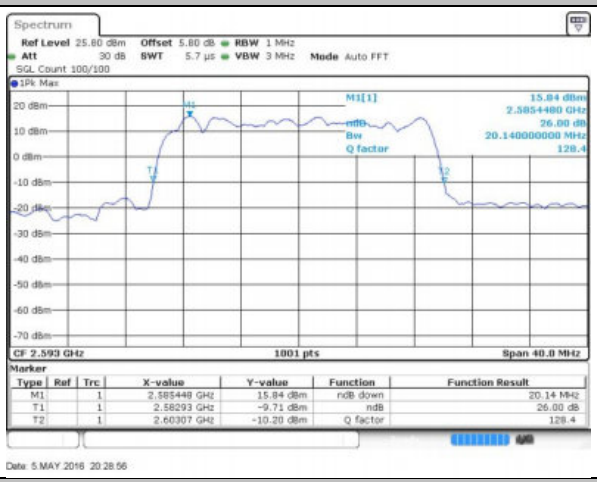
Lowest Channel / 20MHz / 16QAM



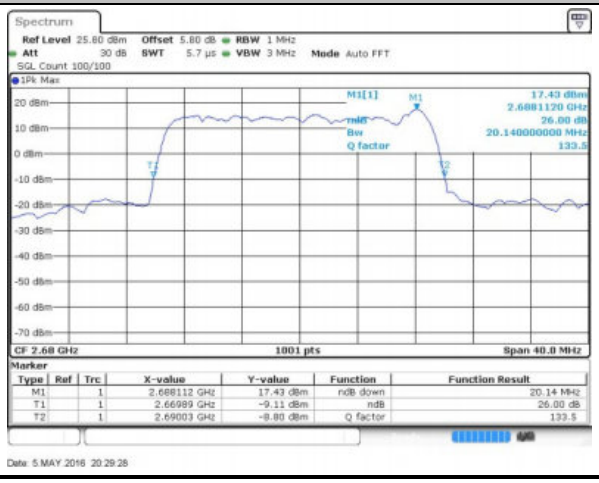
Middle Channel / 20MHz / QPSK



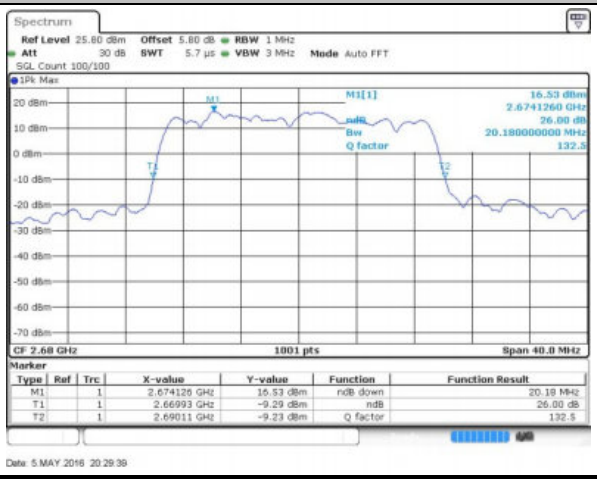
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM



Occupied Bandwidth

Mode	LTE Band 2 : 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	1.09	2.70	2.73	4.49	4.49	8.95	9.01	13.40	13.43	18.38	18.38
Middle CH	1.09	1.09	2.72	2.71	4.47	4.48	8.99	8.95	13.43	13.43	18.38	18.30
Highest CH	1.09	1.09	2.73	2.71	4.49	4.51	9.03	9.01	13.43	13.46	18.38	18.30

Mode	LTE Band 4 : 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	1.10	1.09	2.72	2.73	4.47	4.48	8.95	9.01	13.46	13.43	18.38	18.30
Middle CH	1.09	1.09	2.70	2.71	4.49	4.49	9.05	8.97	13.40	13.40	18.10	18.50
Highest CH	1.09	1.09	2.71	2.72	4.47	4.49	9.01	9.03	13.43	13.46	18.46	18.58

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	1.09	1.09	2.74	2.71	4.49	4.46	9.03	8.99	-	-	-	-
Middle CH	1.09	1.09	2.73	2.73	4.49	4.50	9.01	8.97	-	-	-	-
Highest CH	1.09	1.08	2.72	2.71	4.50	4.49	8.97	9.03	-	-	-	-

Mode	LTE Band 7 : 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	4.49	9.03	9.03	13.49	13.46	18.42	18.30
Middle CH	-	-	-	-	4.51	4.51	9.05	9.03	13.49	13.49	18.34	18.46
Highest CH	-	-	-	-	4.47	4.50	9.03	9.01	13.49	13.46	18.34	18.42

Mode	LTE Band 12 : 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	1.09	2.73	2.72	4.50	4.48	8.99	9.03	-	-	-	-
Middle CH	1.09	1.09	2.73	2.70	4.48	4.50	8.99	8.99	-	-	-	-
Highest CH	1.09	1.09	2.71	2.73	4.49	4.48	9.05	9.03	-	-	-	-

Mode	LTE Band 13 : 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	4.50	-	-	-	-	-	-
Middle CH	-	-	-	-	4.48	4.49	9.03	8.97	-	-	-	-
Highest CH	-	-	-	-	4.50	4.49	-	-	-	-	-	-

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	4.49	9.03	9.03	-	-	-	-
Middle CH	-	-	-	-	4.50	4.48	9.03	9.03	-	-	-	-
Highest CH	-	-	-	-	4.49	4.48	9.03	9.01	-	-	-	-

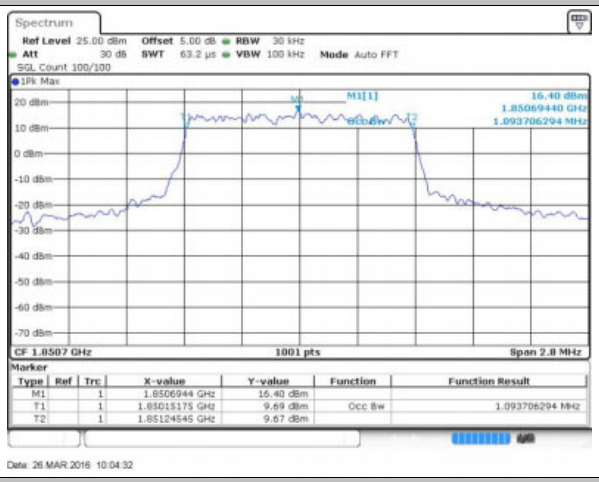
Mode	LTE Band 25 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	-	-	-	-	-	-	-	-
Middle CH	-	-	-	-	-	-	-	-	-	-	-	-
Highest CH	1.09	1.10	2.71	2.70	4.48	4.52	8.99	9.03	13.46	13.37	18.42	18.38

Mode	LTE Band 26 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		Ch26765	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	QPSK	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.10	1.09	2.72	2.70	4.51	4.49	9.05	9.03	13.43	13.43	13.43	13.52
Middle CH	1.09	1.09	2.72	2.71	4.50	4.49	9.03	9.05	13.37	13.40	-	-
Highest CH	1.09	1.09	2.74	2.71	4.48	4.49	9.09	9.07	13.52	13.49	-	-

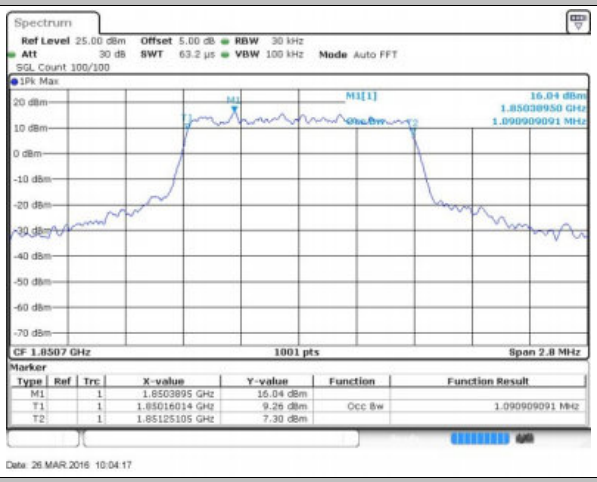
Mode	LTE Band 41 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.50	4.50	9.01	9.03	13.46	13.46	18.26	18.46
Middle CH	-	-	-	-	4.49	4.47	9.09	9.03	13.49	13.46	18.38	18.18
Highest CH	-	-	-	-	4.49	4.45	9.05	8.97	13.52	13.43	18.38	18.26

LTE Band 2

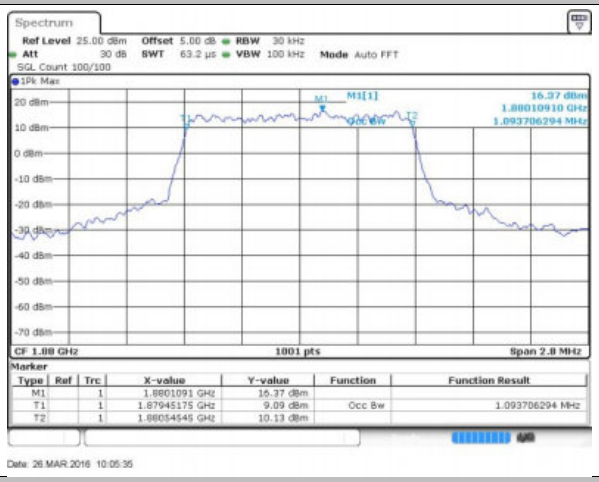
Lowest Channel / 1.4MHz / QPSK



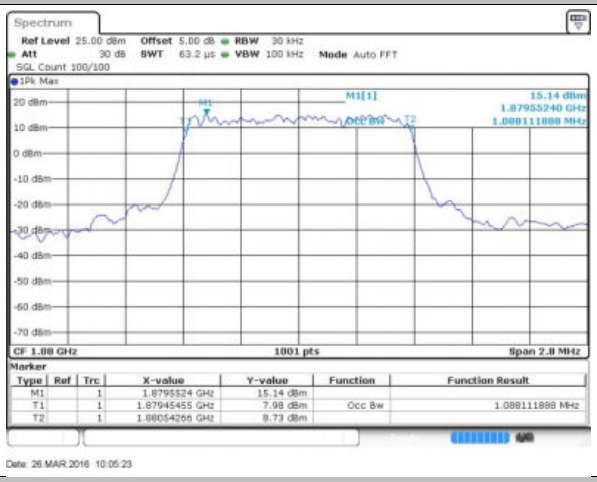
Lowest Channel / 1.4MHz / 16QAM



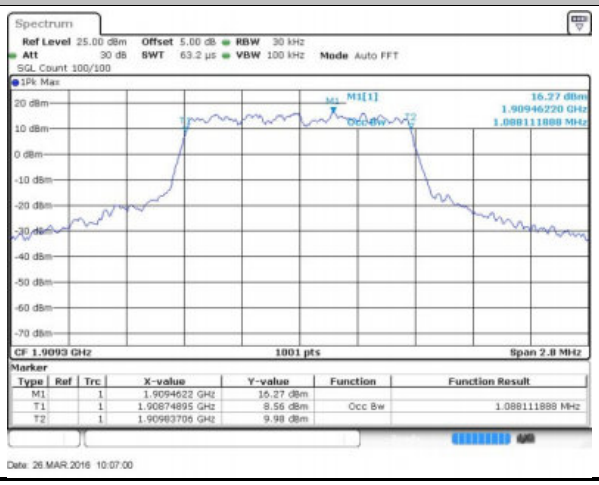
Middle Channel / 1.4MHz / QPSK



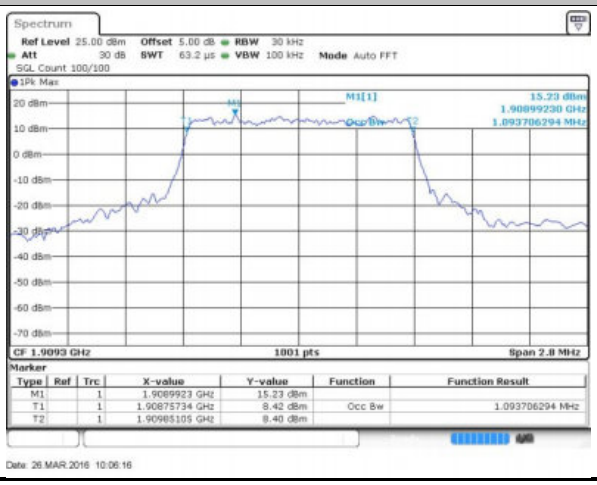
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

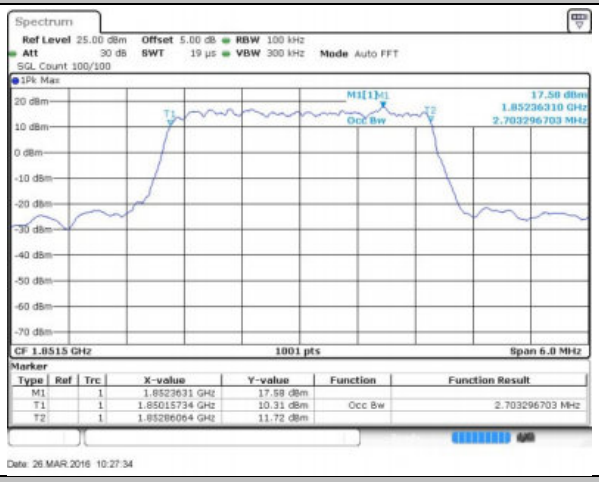


Highest Channel / 1.4MHz / 16QAM

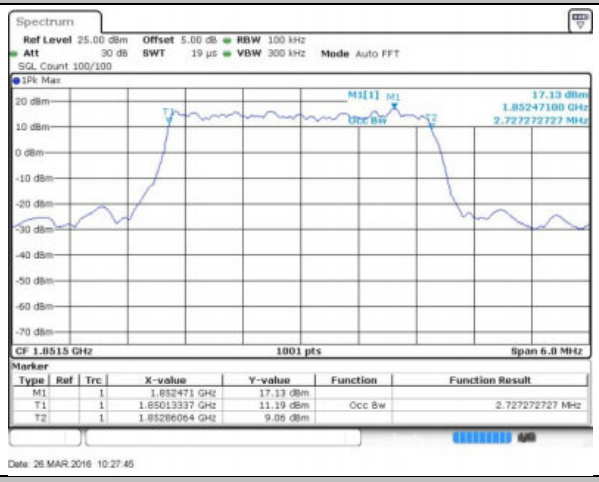


LTE Band 2

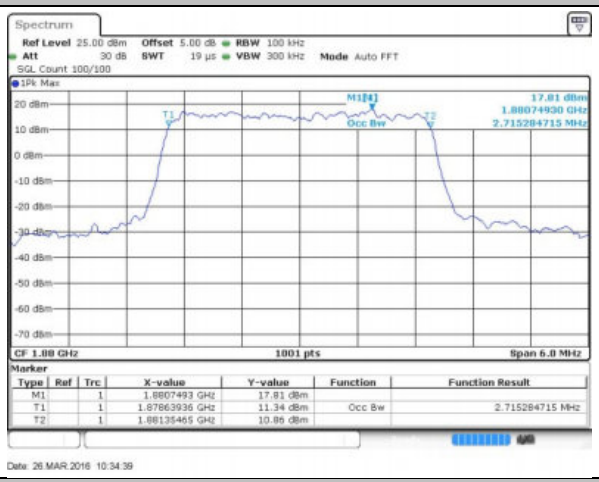
Lowest Channel / 3MHz / QPSK



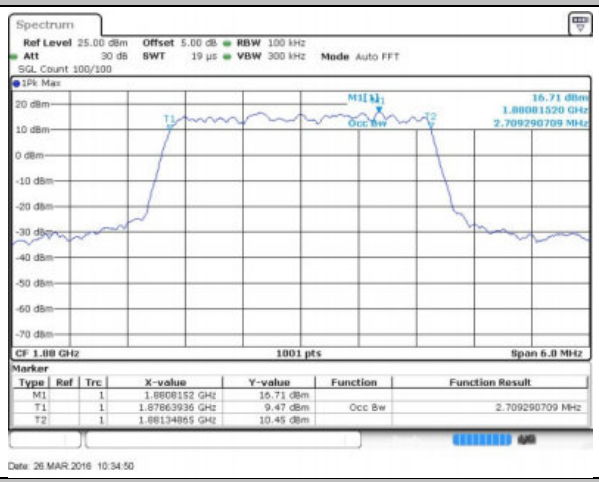
Lowest Channel / 3MHz / 16QAM



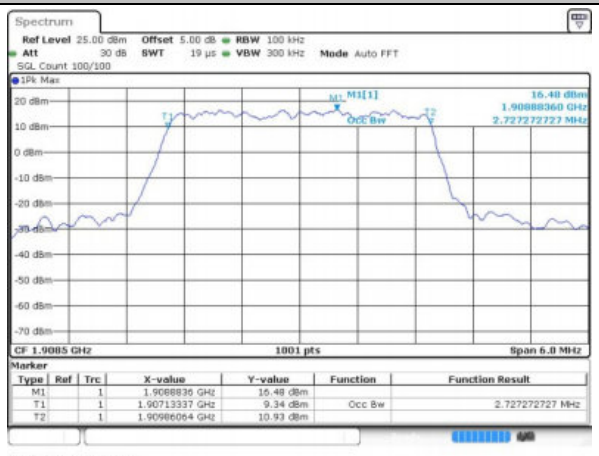
Middle Channel / 3MHz / QPSK



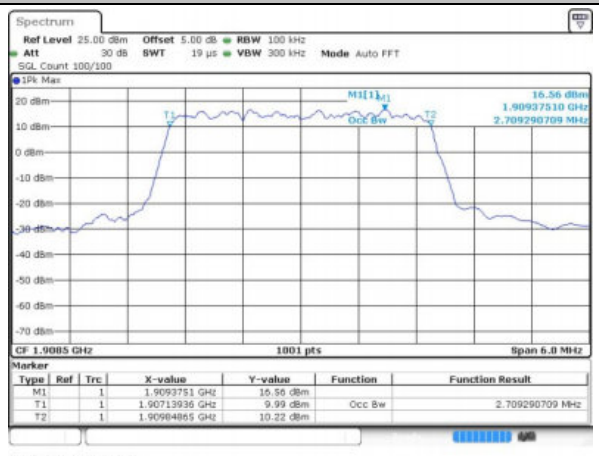
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

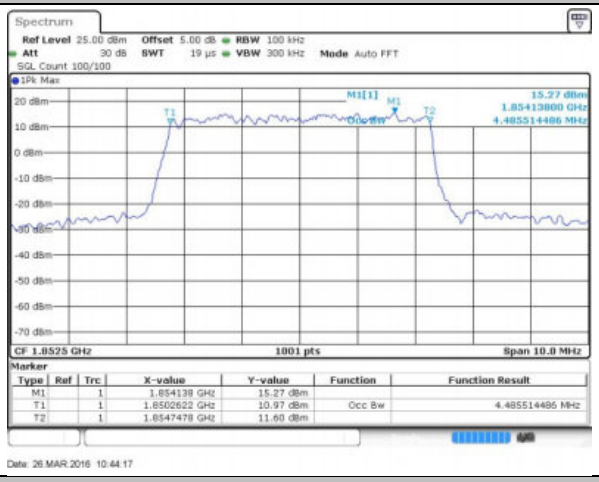


Highest Channel / 3MHz / 16QAM

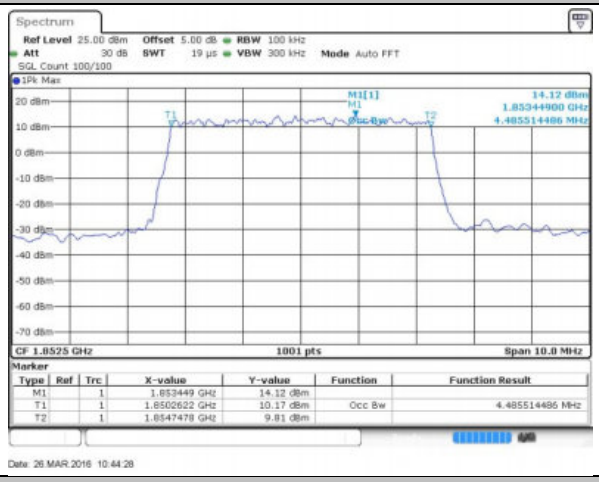


LTE Band 2

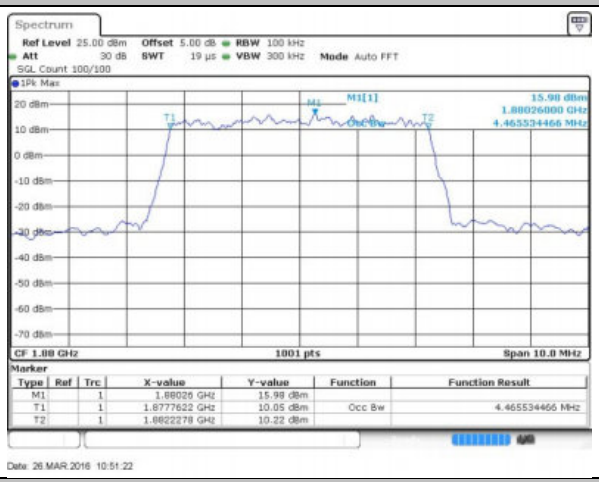
Lowest Channel / 5MHz / QPSK



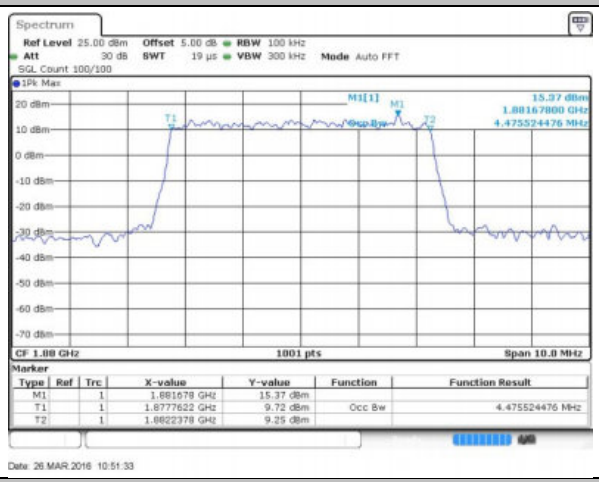
Lowest Channel / 5MHz / 16QAM



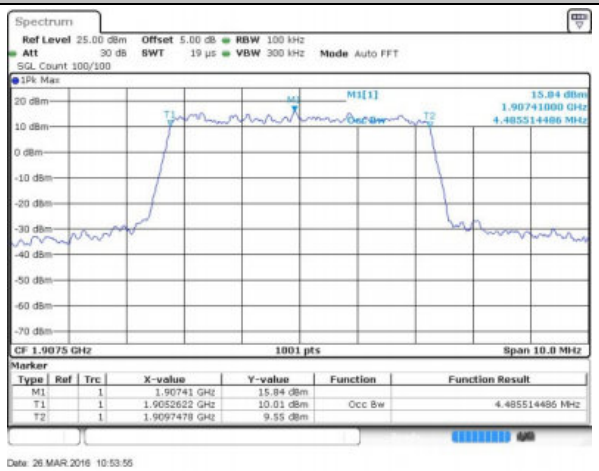
Middle Channel / 5MHz / QPSK



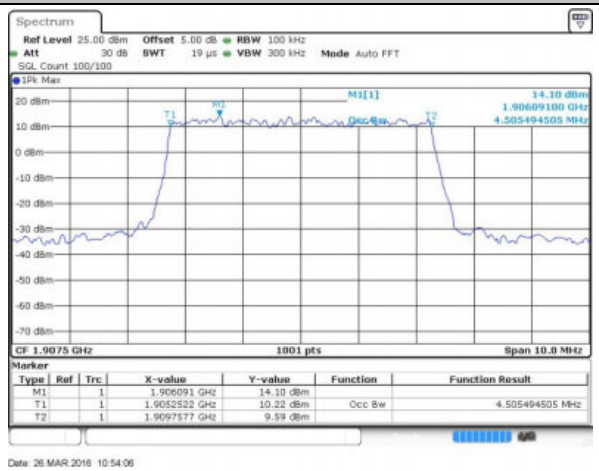
Middle Channel / 5MHz / 16QAM

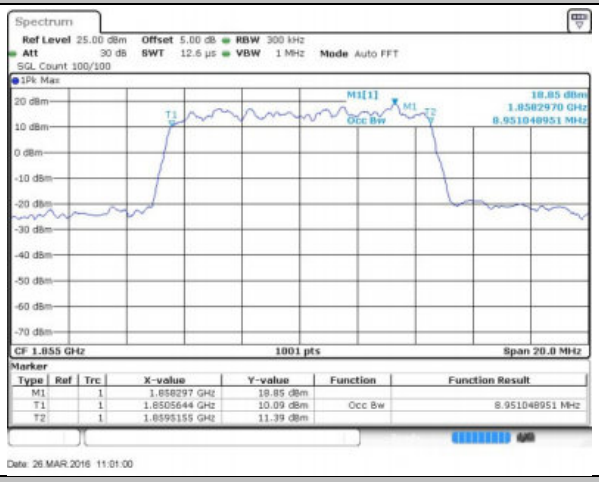
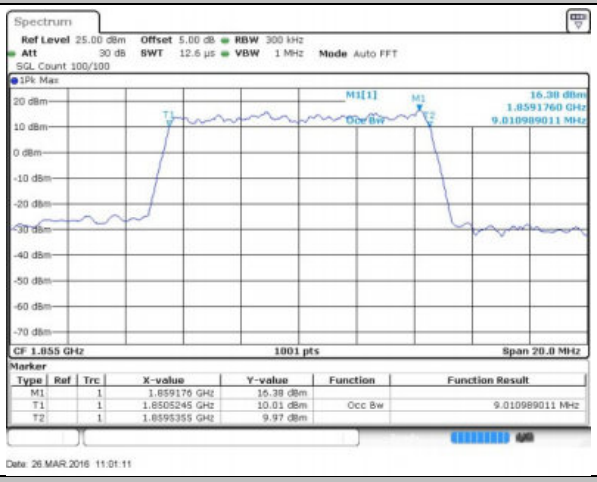
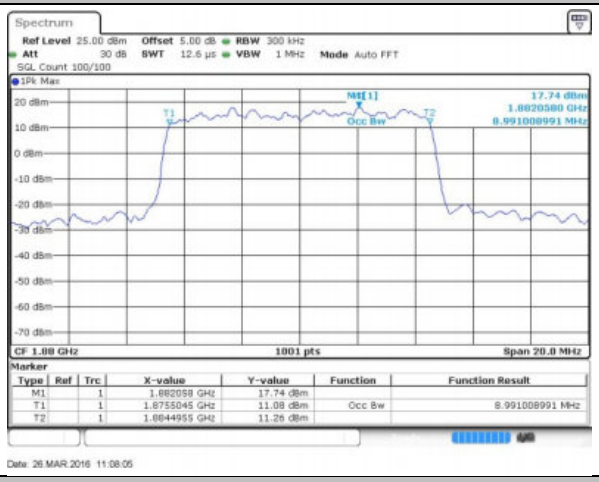
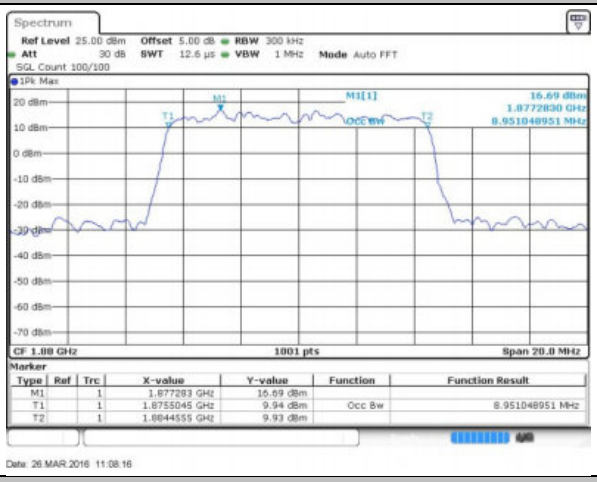
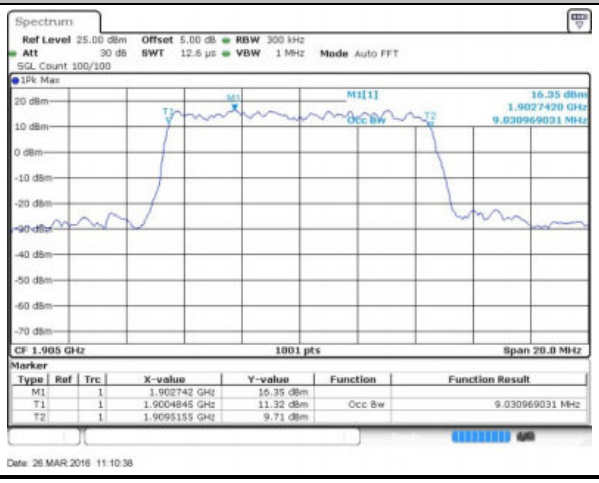
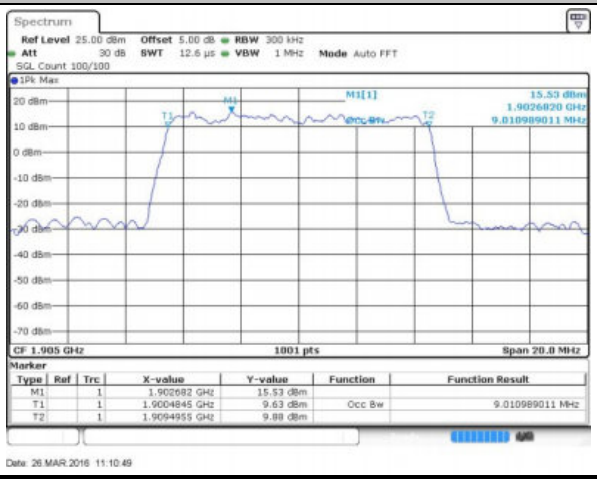


Highest Channel / 5MHz / QPSK



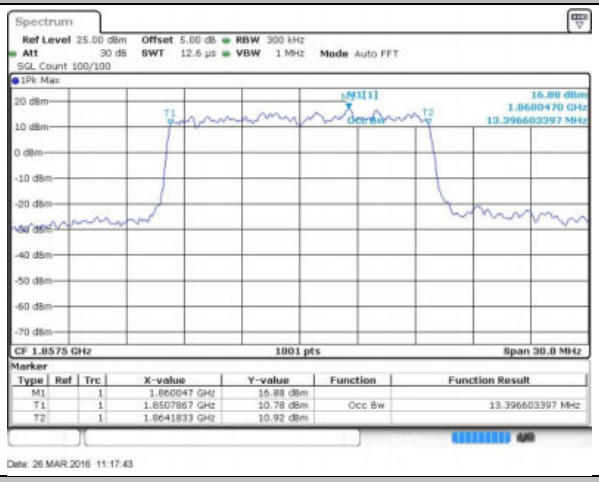
Highest Channel / 5MHz / 16QAM



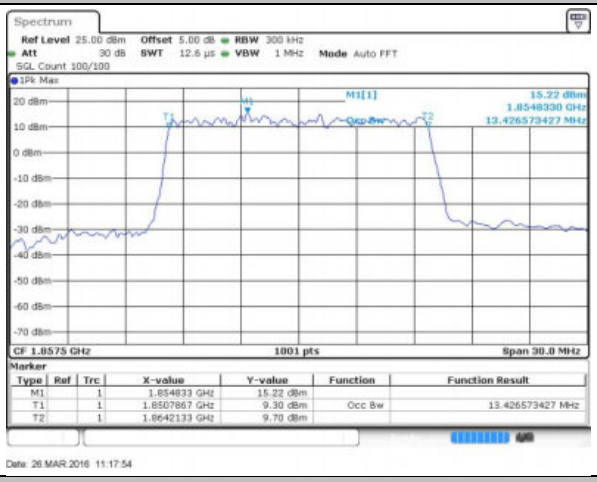
LTE Band 2	
Lowest Channel / 10MHz / QPSK	Lowest Channel / 10MHz / 16QAM
	
Middle Channel / 10MHz / QPSK	Middle Channel / 10MHz / 16QAM
	
Highest Channel / 10MHz / QPSK	Highest Channel / 10MHz / 16QAM
	

LTE Band 2

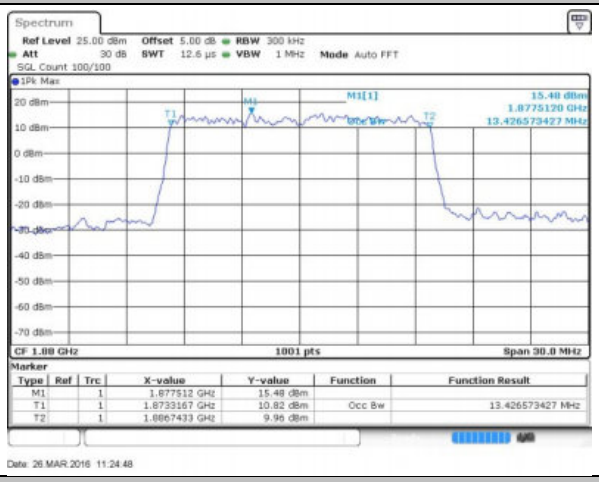
Lowest Channel / 15MHz / QPSK



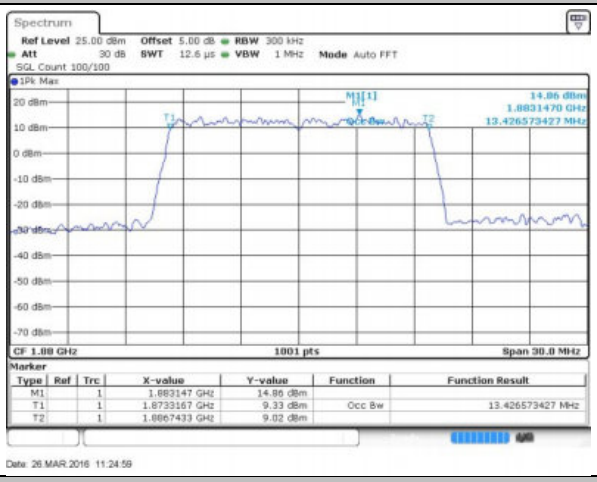
Lowest Channel / 15MHz / 16QAM



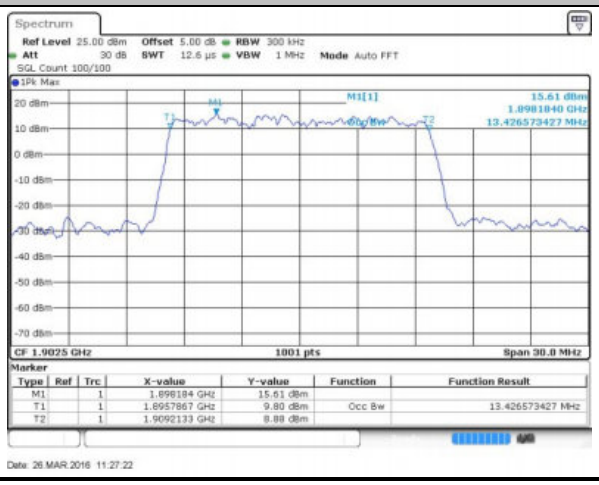
Middle Channel / 15MHz / QPSK



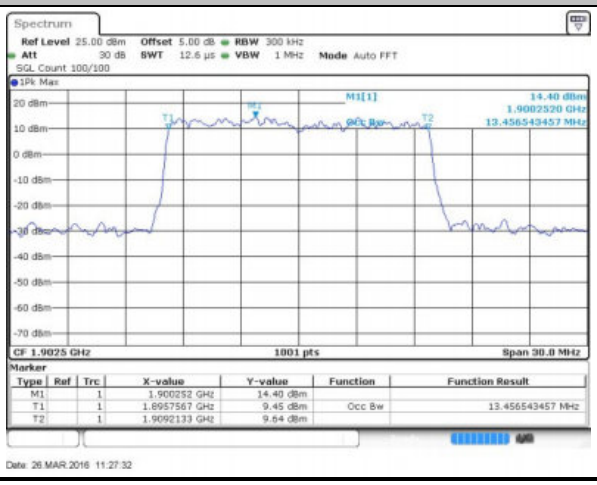
Middle Channel / 15MHz / 16QAM

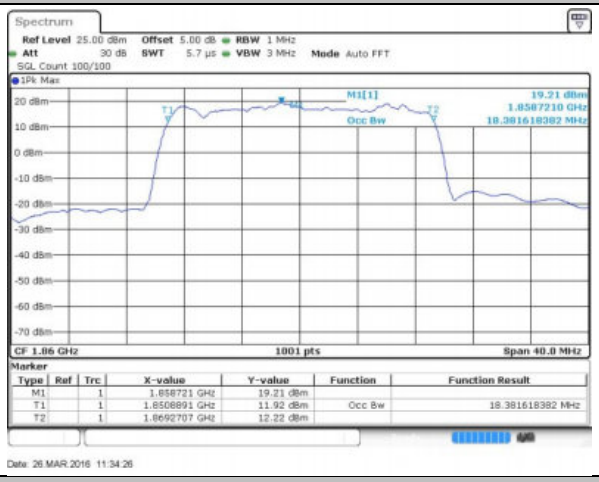
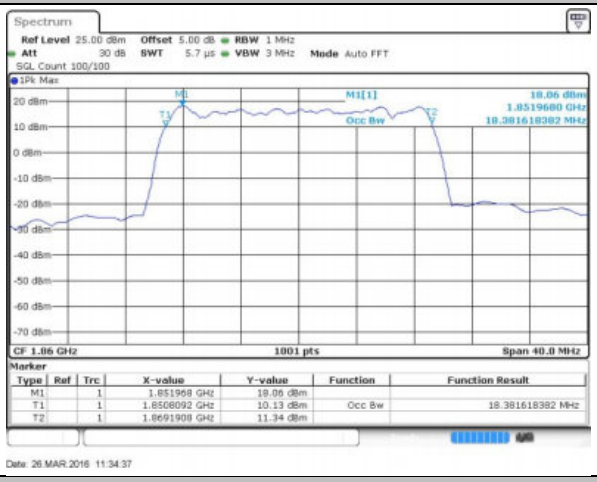
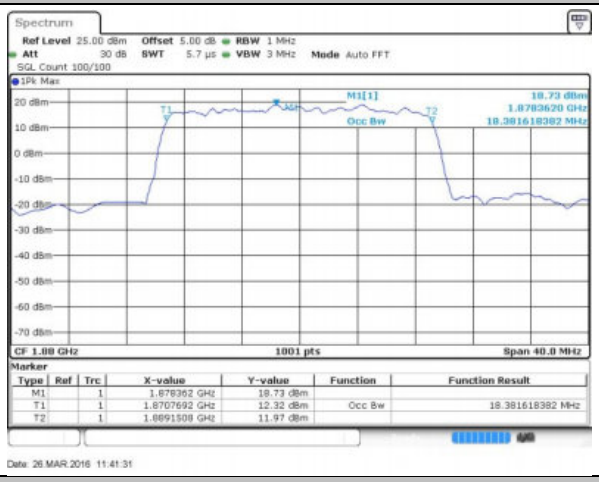
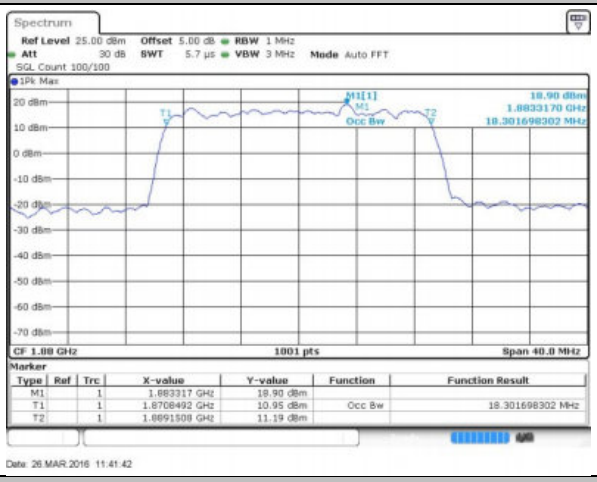
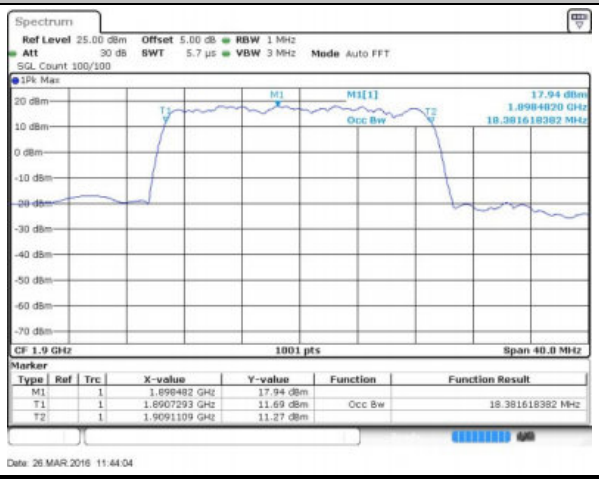
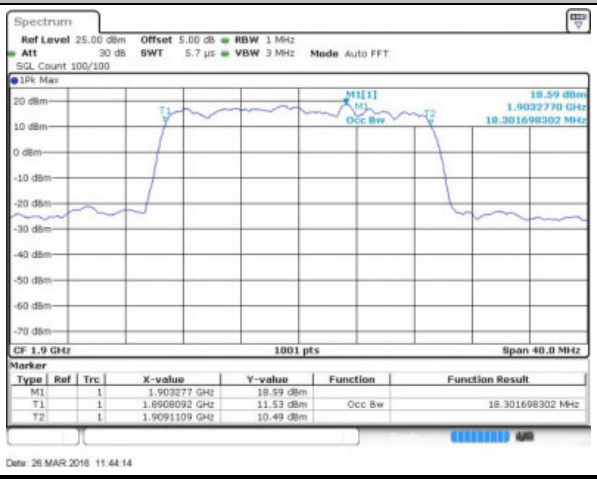


Highest Channel / 15MHz / QPSK



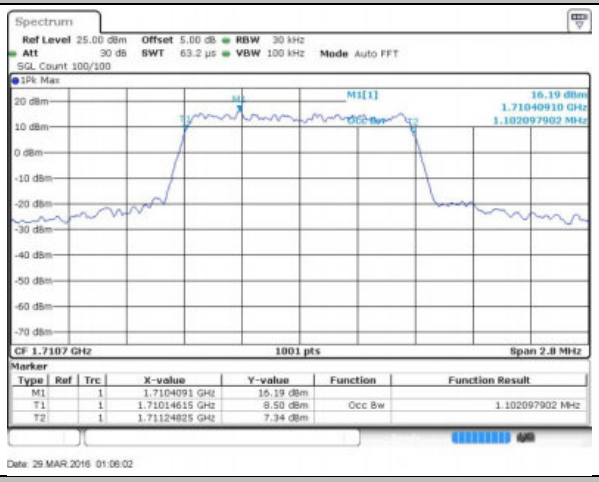
Highest Channel / 15MHz / 16QAM



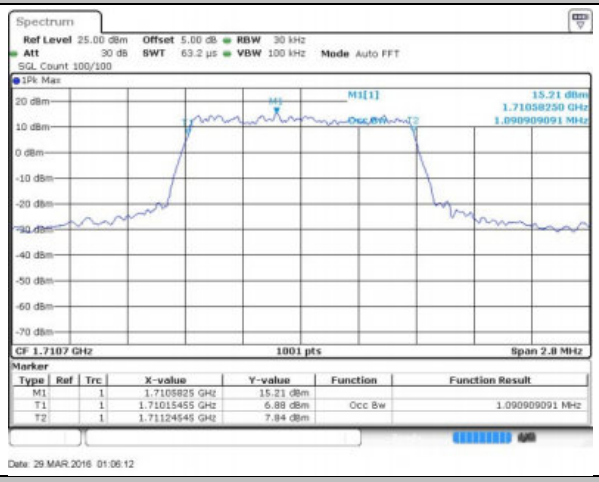
LTE Band 2	
Lowest Channel / 20MHz / QPSK	Lowest Channel / 20MHz / 16QAM
	
Middle Channel / 20MHz / QPSK	Middle Channel / 20MHz / 16QAM
	
Highest Channel / 20MHz / QPSK	Highest Channel / 20MHz / 16QAM
	

LTE Band 4

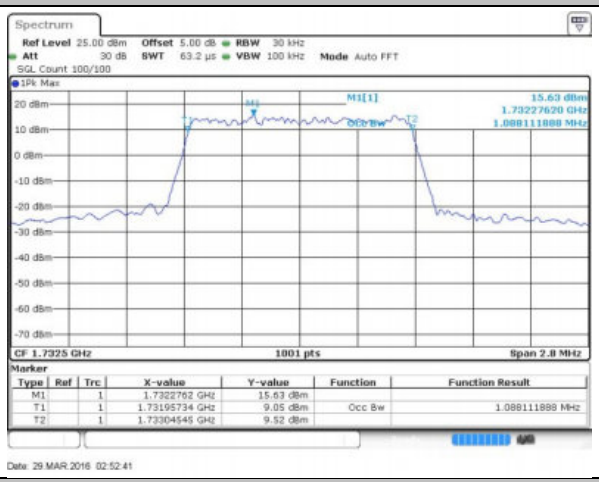
Lowest Channel / 1.4MHz / QPSK



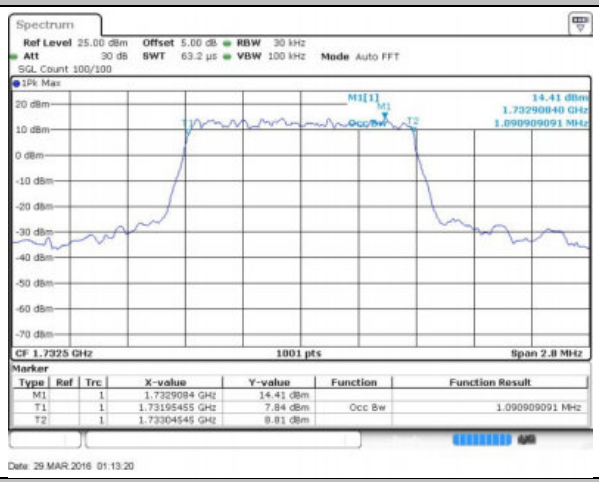
Lowest Channel / 1.4MHz / 16QAM



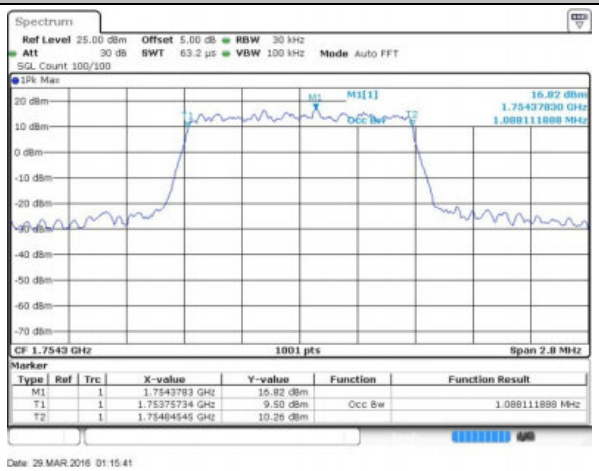
Middle Channel / 1.4MHz / QPSK



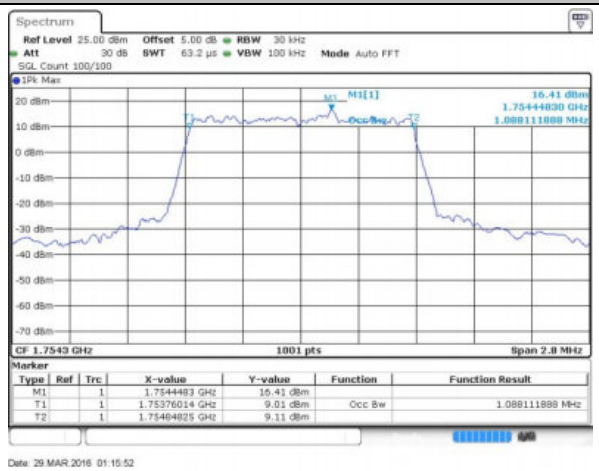
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

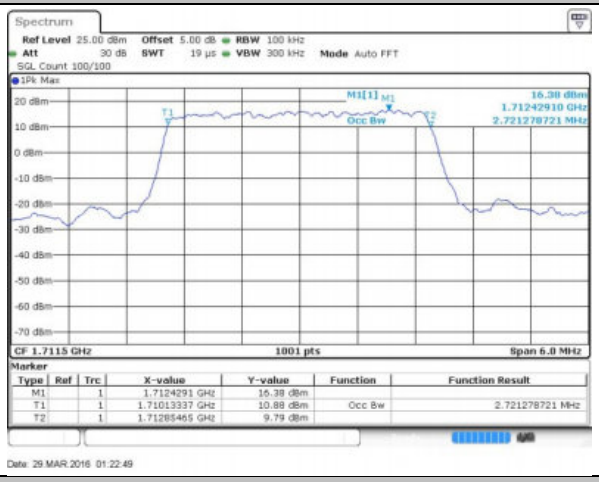


Highest Channel / 1.4MHz / 16QAM

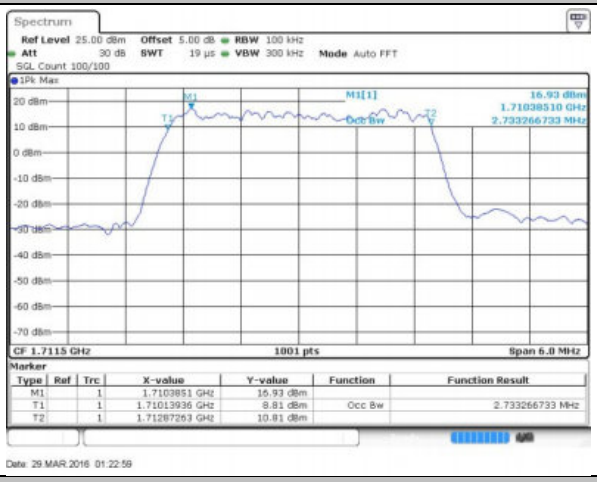


LTE Band 4

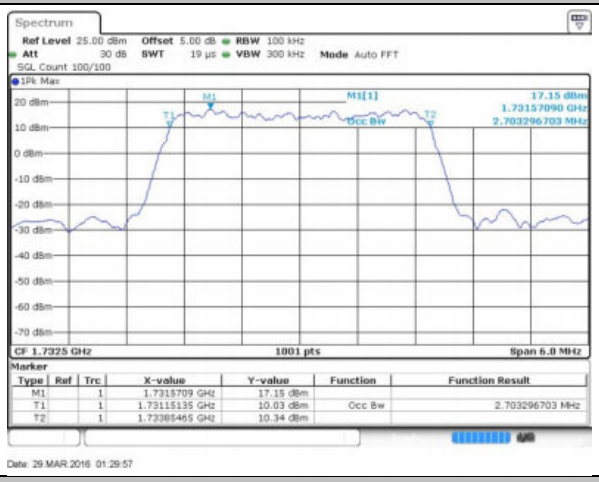
Lowest Channel / 3MHz / QPSK



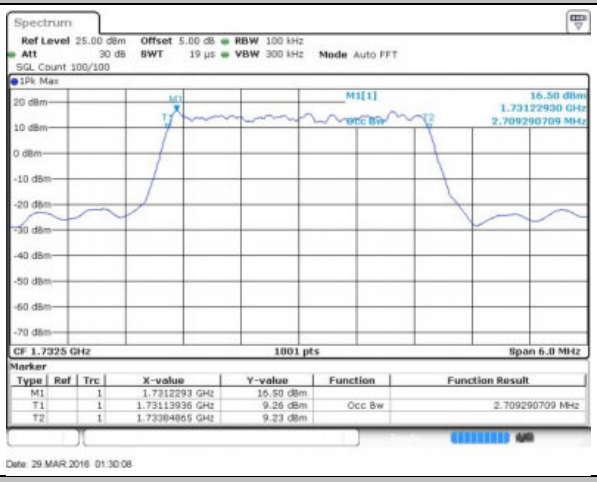
Lowest Channel / 3MHz / 16QAM



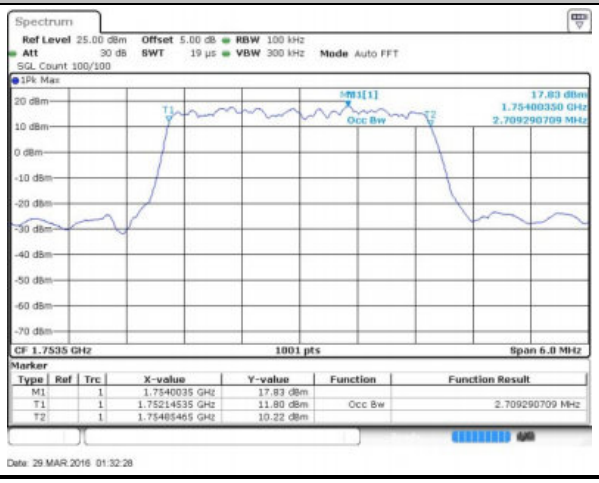
Middle Channel / 3MHz / QPSK



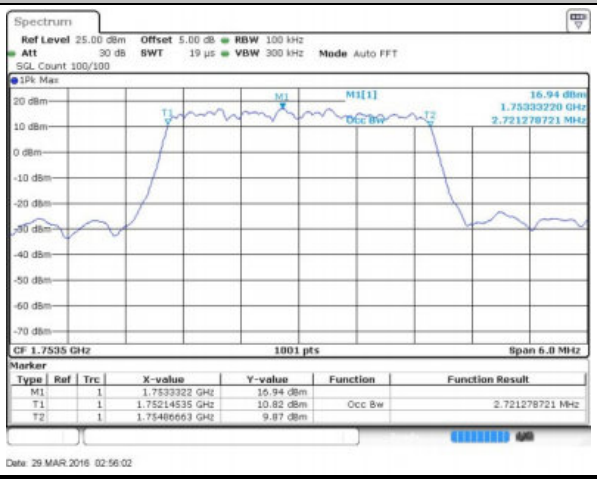
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

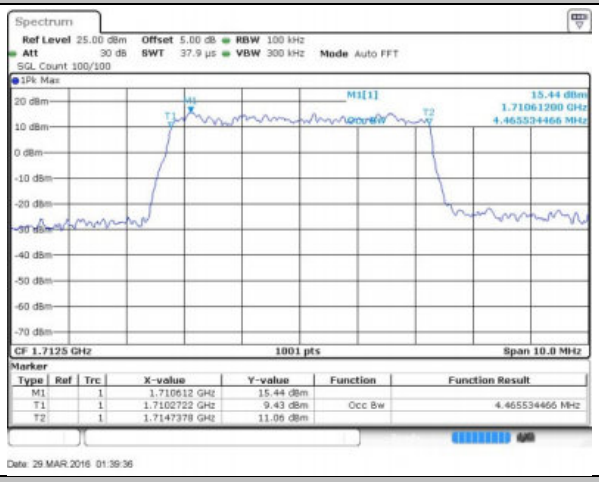


Highest Channel / 3MHz / 16QAM

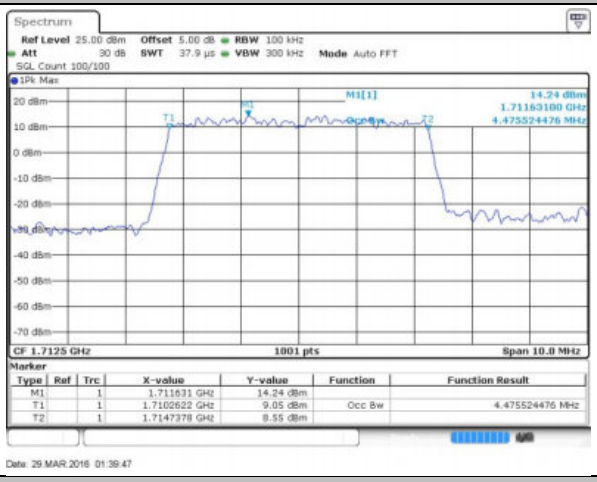


LTE Band 4

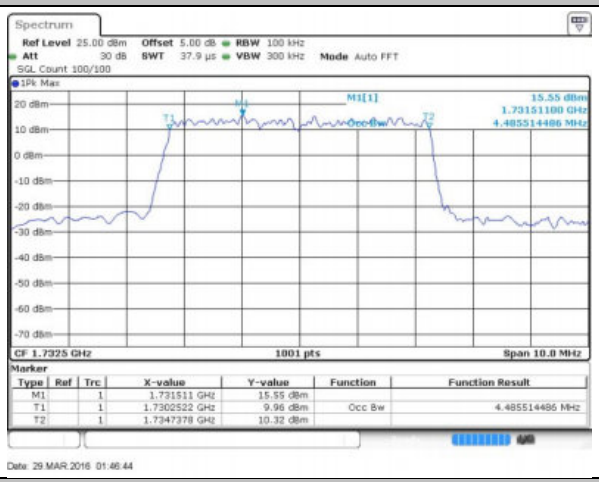
Lowest Channel / 5MHz / QPSK



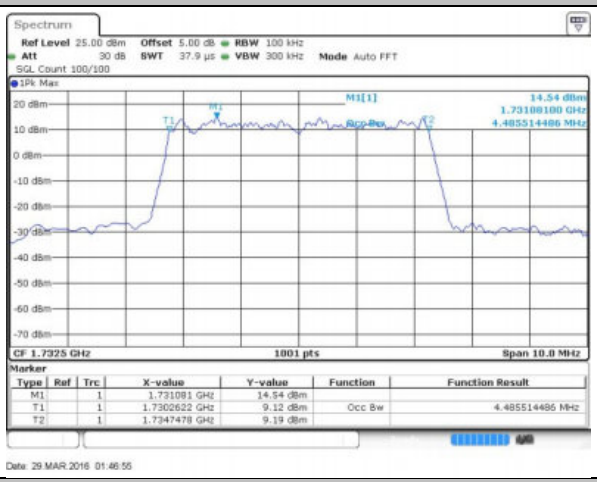
Lowest Channel / 5MHz / 16QAM



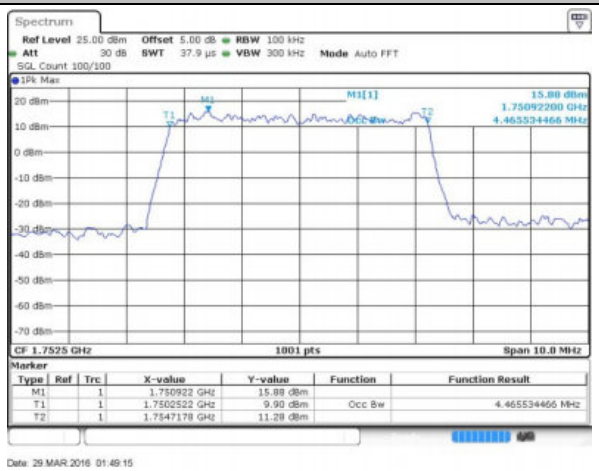
Middle Channel / 5MHz / QPSK



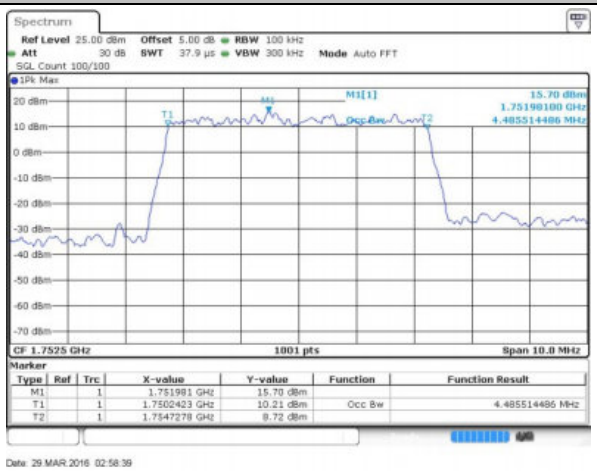
Middle Channel / 5MHz / 16QAM

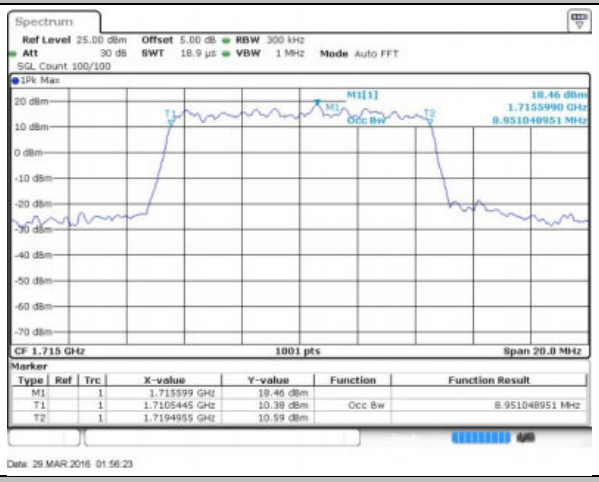
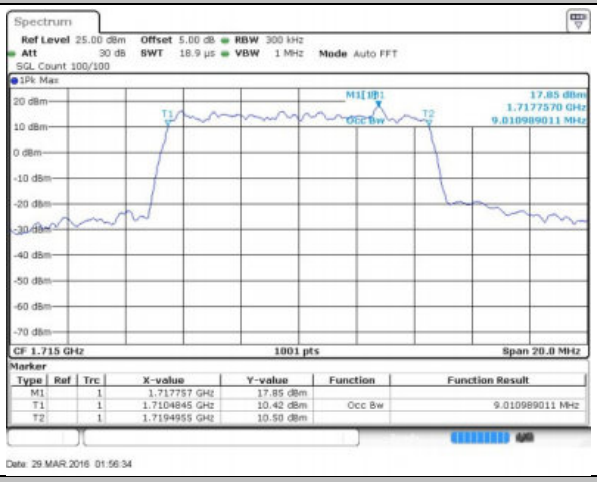
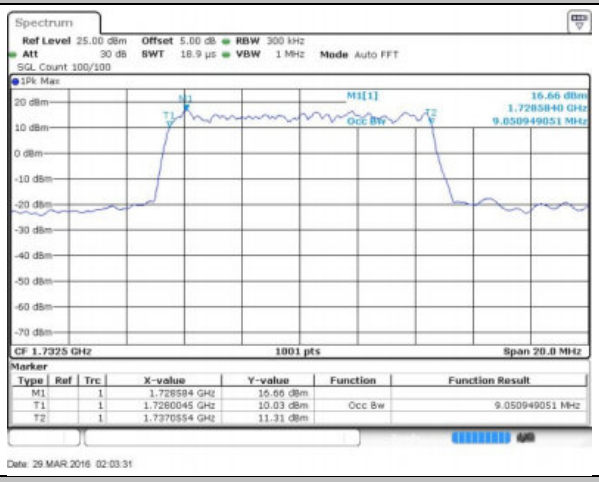
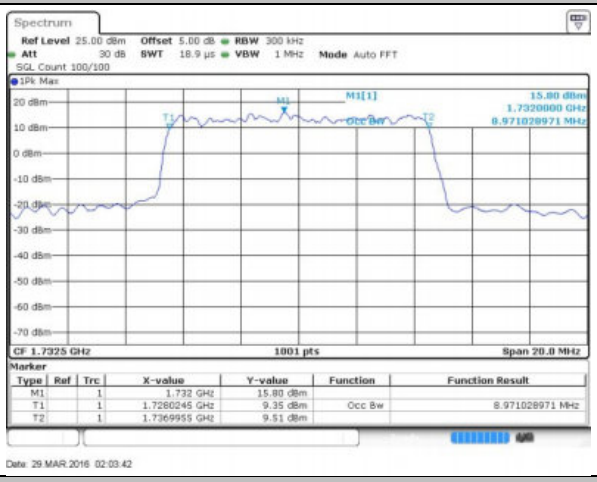
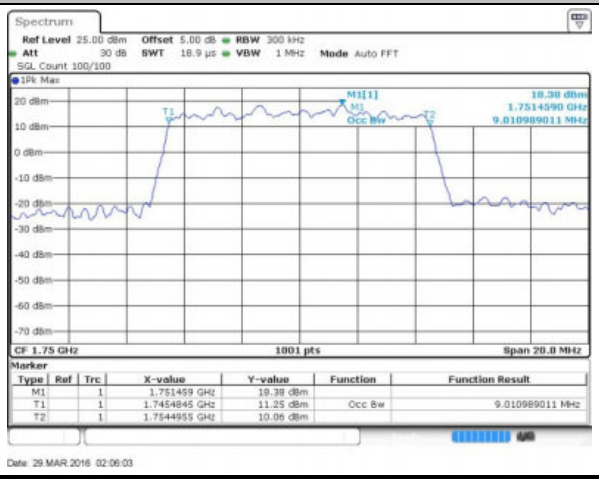
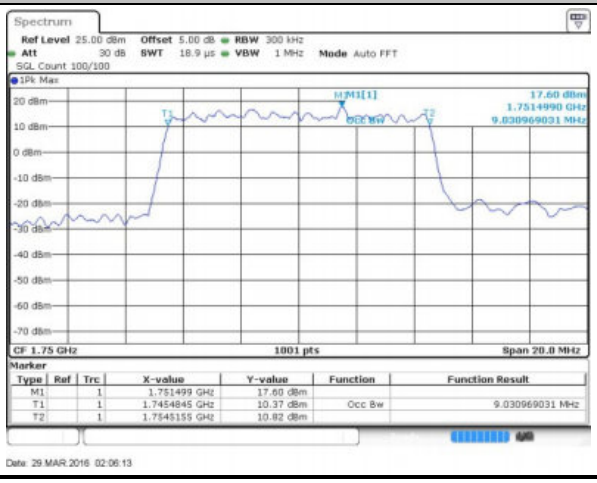


Highest Channel / 5MHz / QPSK



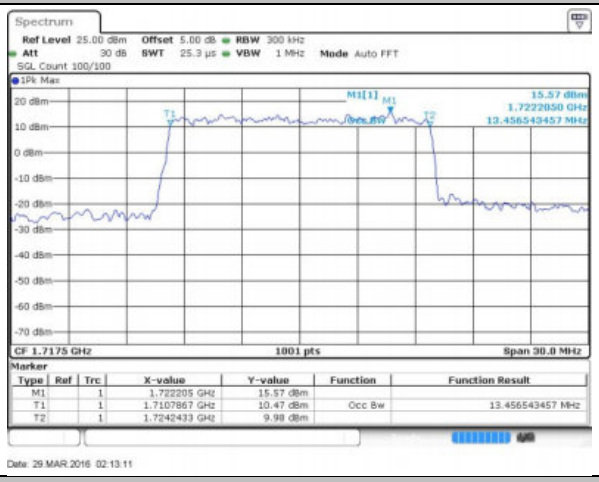
Highest Channel / 5MHz / 16QAM



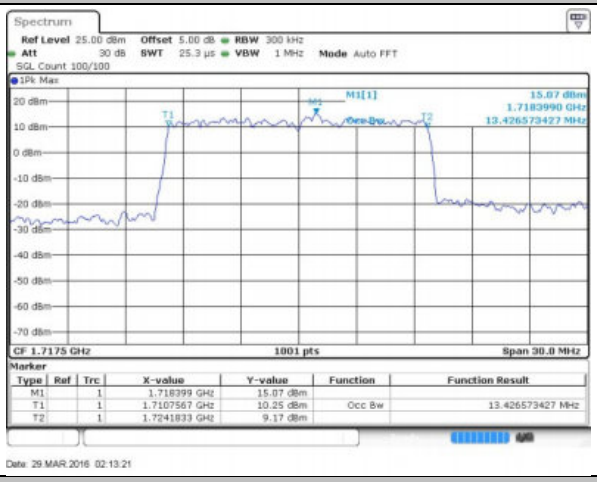
LTE Band 4	
Lowest Channel / 10MHz / QPSK	Lowest Channel / 10MHz / 16QAM
	
Middle Channel / 10MHz / QPSK	Middle Channel / 10MHz / 16QAM
	
Highest Channel / 10MHz / QPSK	Highest Channel / 10MHz / 16QAM
	

LTE Band 4

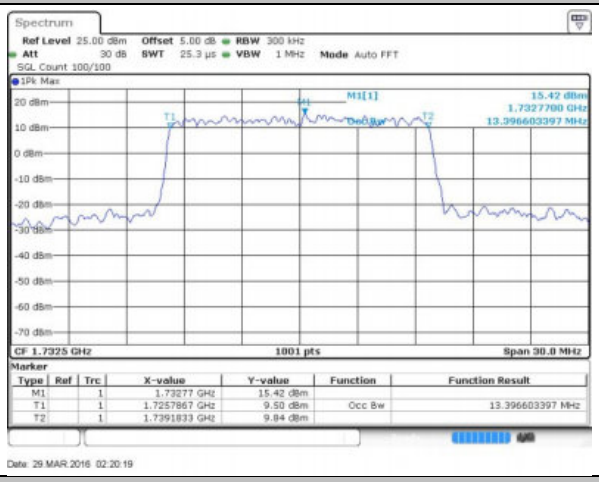
Lowest Channel / 15MHz / QPSK



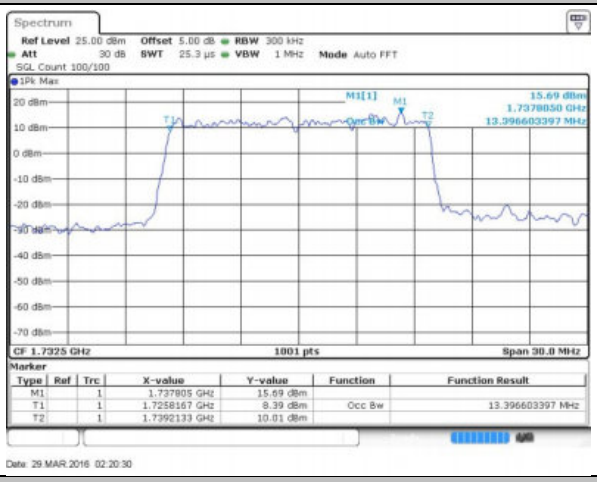
Lowest Channel / 15MHz / 16QAM



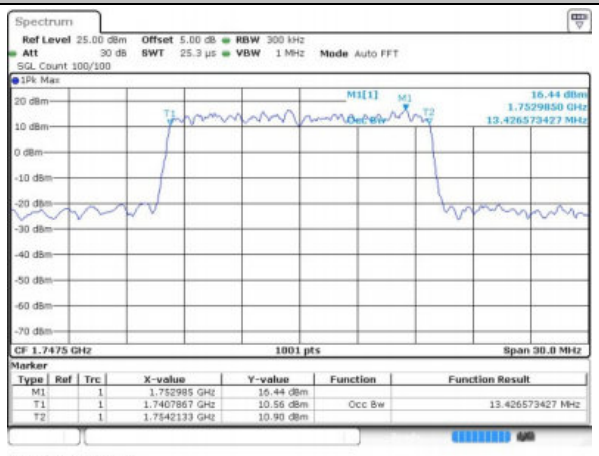
Middle Channel / 15MHz / QPSK



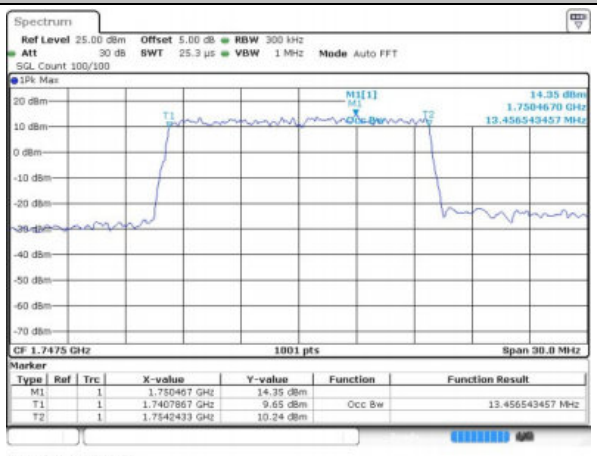
Middle Channel / 15MHz / 16QAM

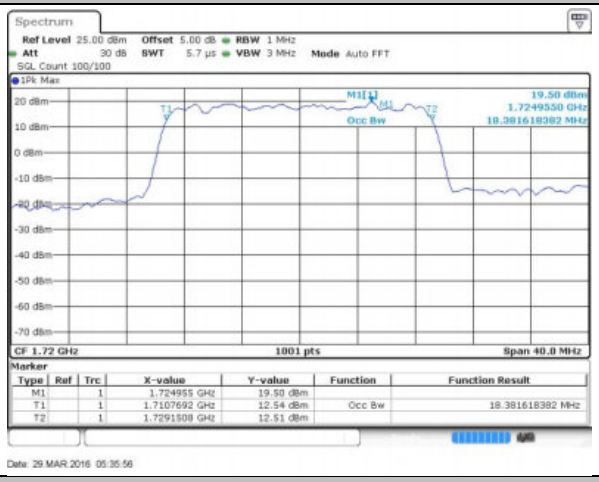
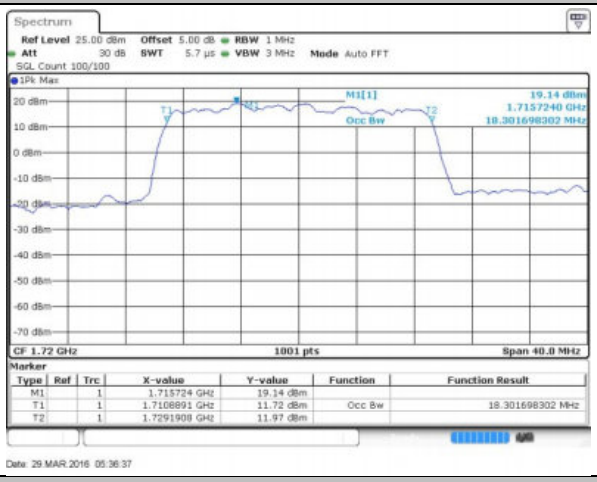
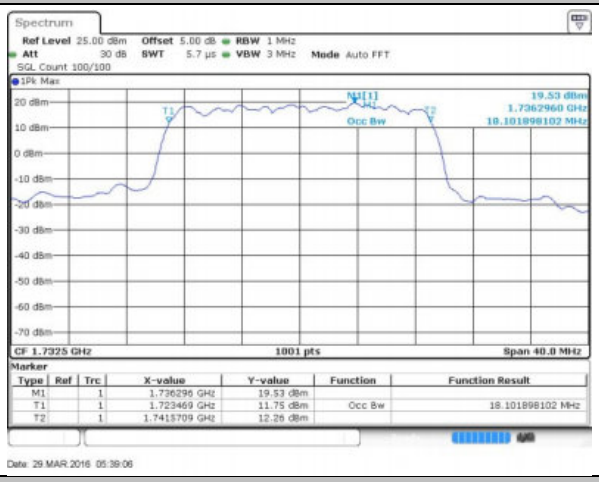
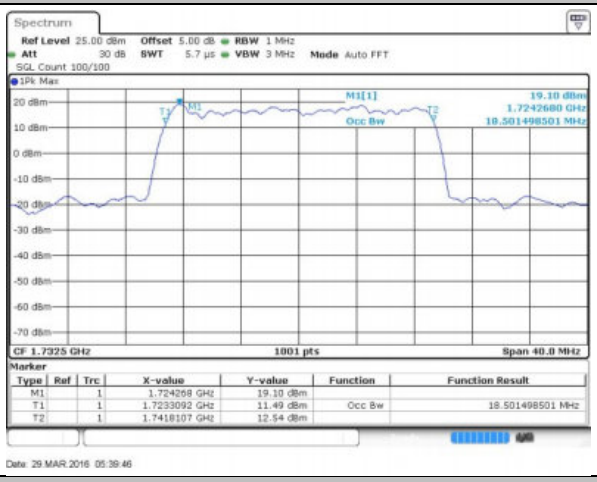
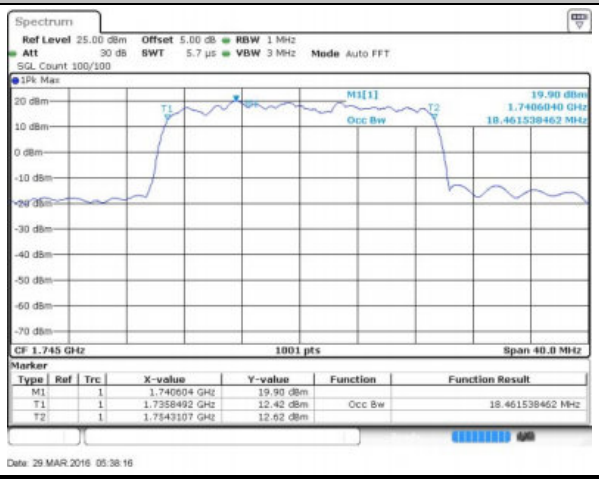
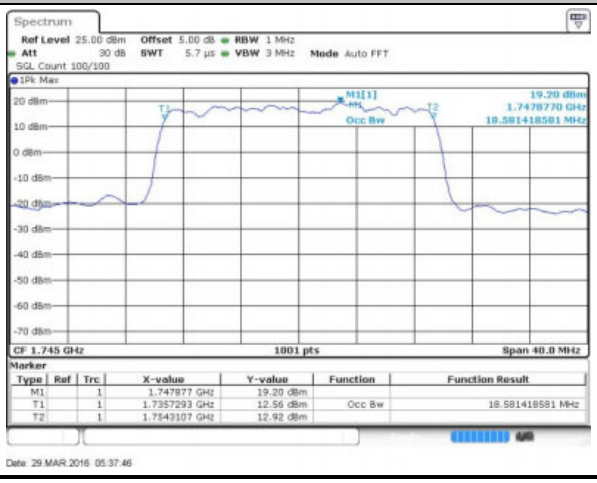


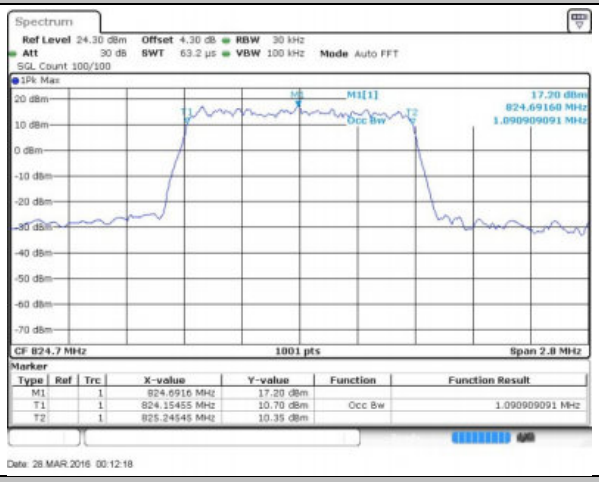
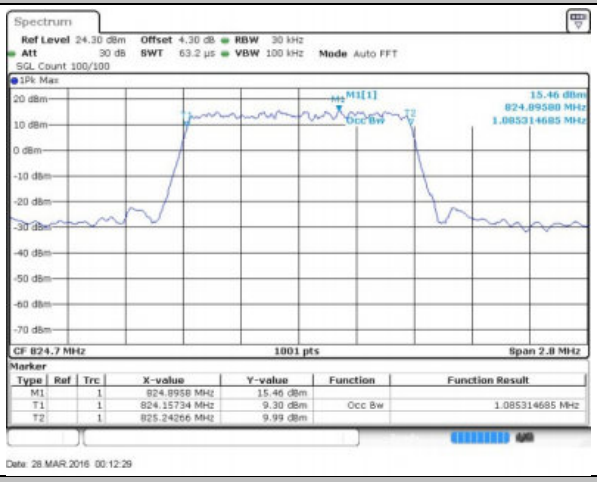
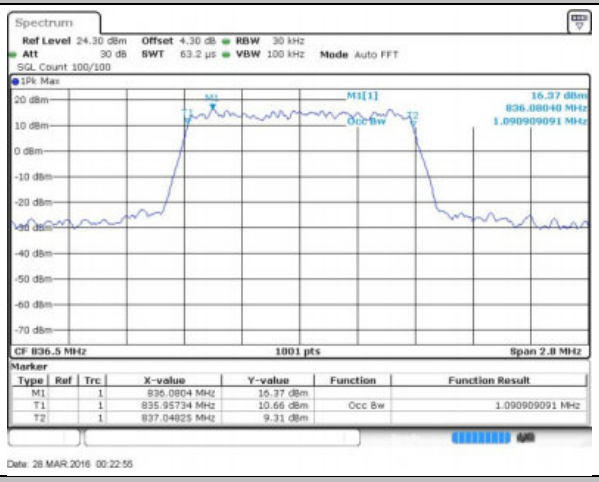
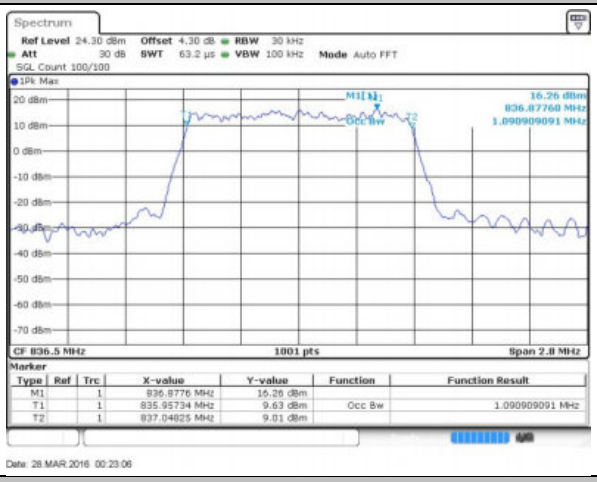
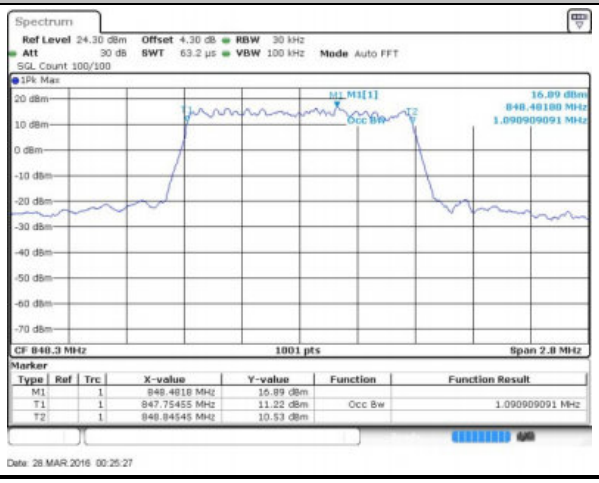
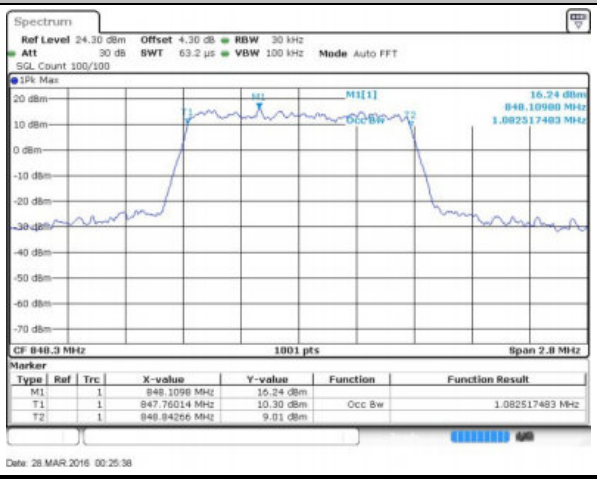
Highest Channel / 15MHz / QPSK



Highest Channel / 15MHz / 16QAM

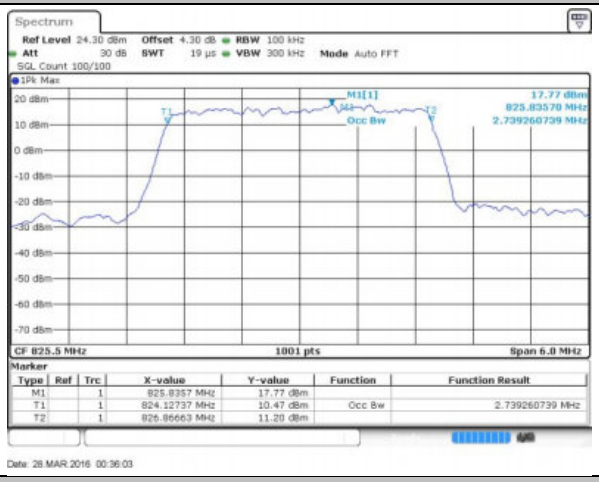


LTE Band 4	
Lowest Channel / 20MHz / QPSK	Lowest Channel / 20MHz / 16QAM
	
Middle Channel / 20MHz / QPSK	Middle Channel / 20MHz / 16QAM
	
Highest Channel / 20MHz / QPSK	Highest Channel / 20MHz / 16QAM
	

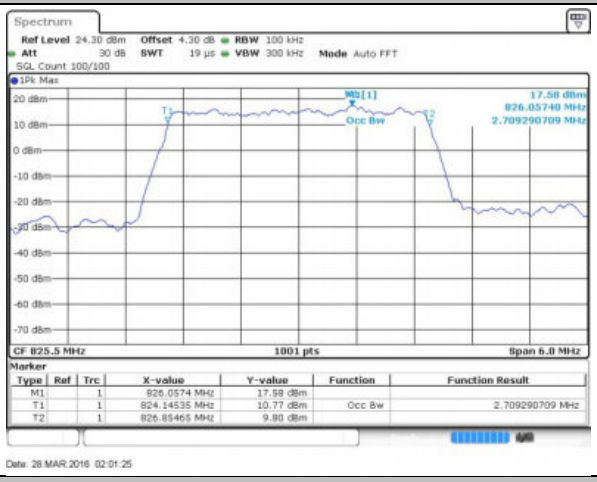
LTE Band 5	
Lowest Channel / 1.4MHz / QPSK	Lowest Channel / 1.4MHz / 16QAM
	
Middle Channel / 1.4MHz / QPSK	Middle Channel / 1.4MHz / 16QAM
	
Highest Channel / 1.4MHz / QPSK	Highest Channel / 1.4MHz / 16QAM
	

LTE Band 5

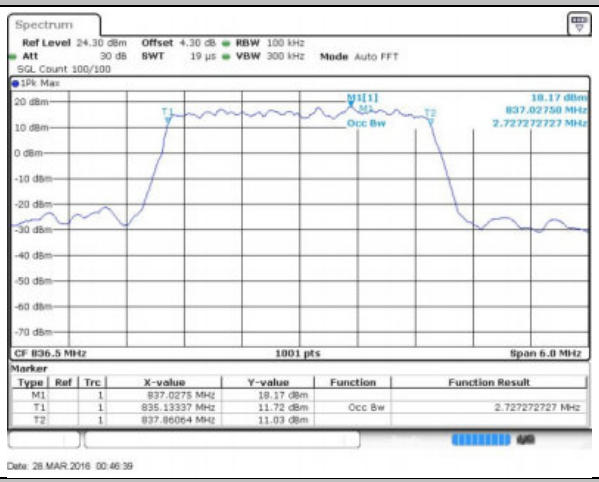
Lowest Channel / 3MHz / QPSK



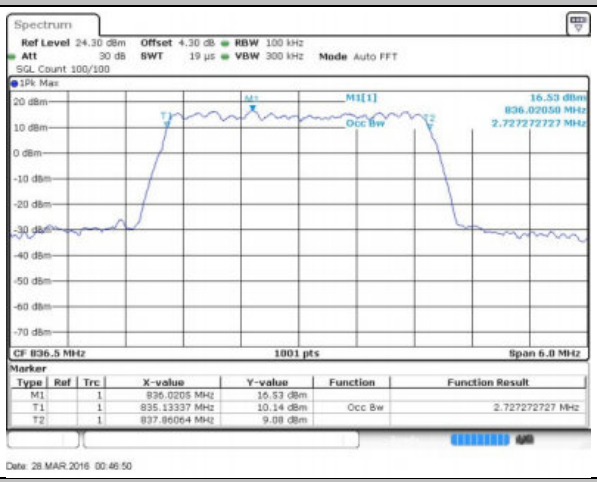
Lowest Channel / 3MHz / 16QAM



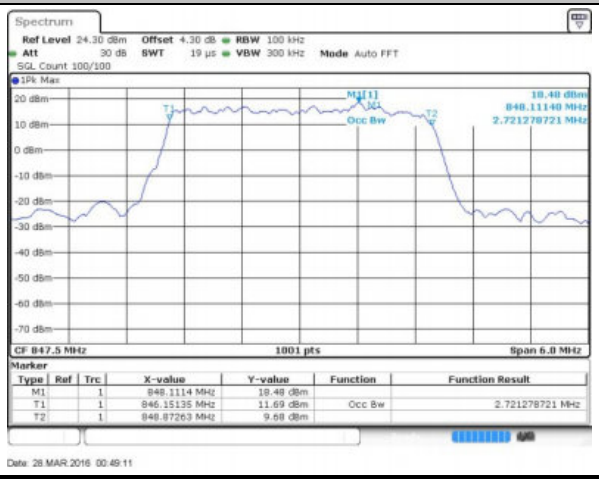
Middle Channel / 3MHz / QPSK



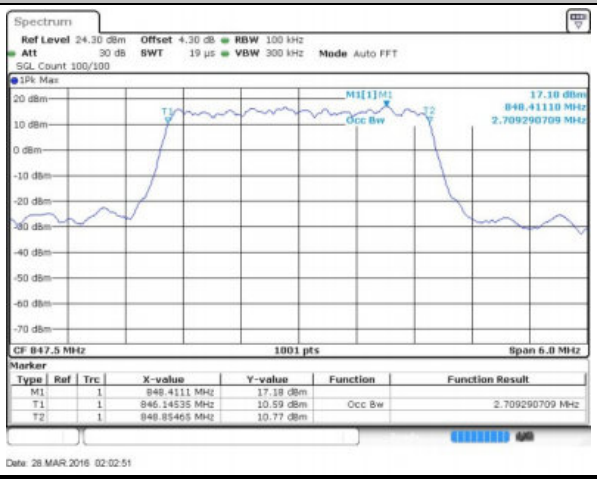
Middle Channel / 3MHz / 16QAM

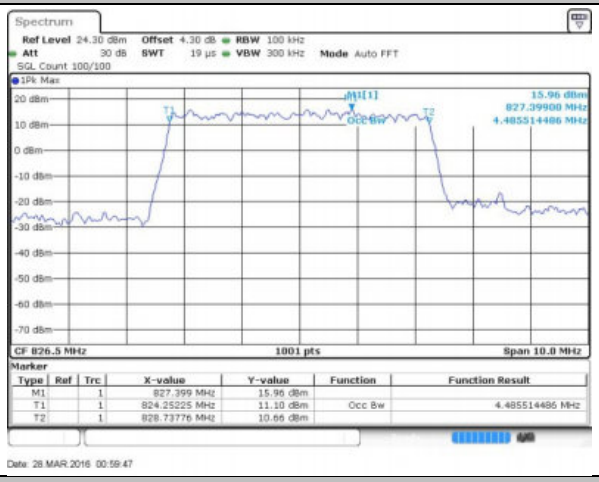
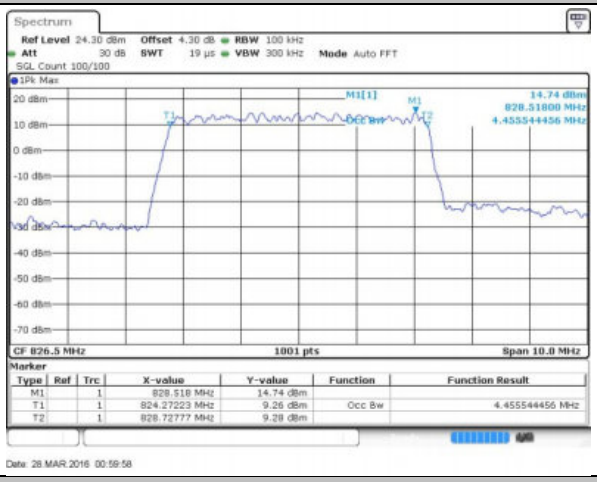
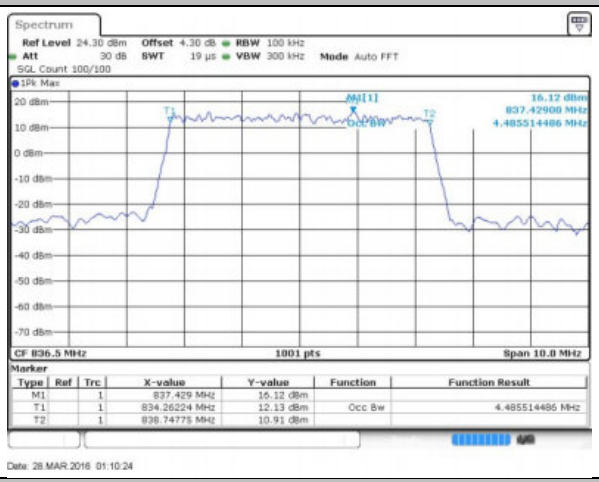
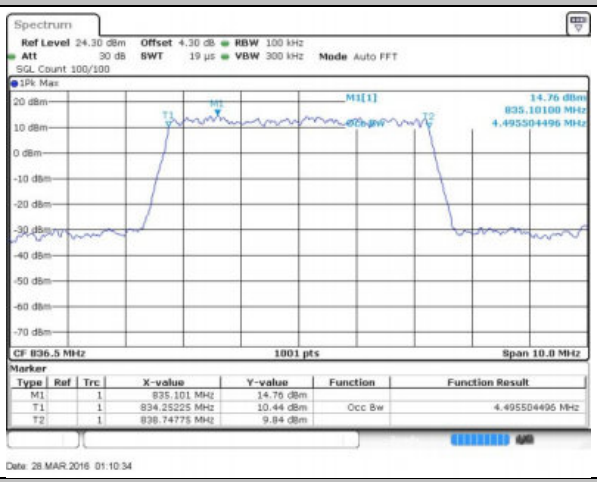
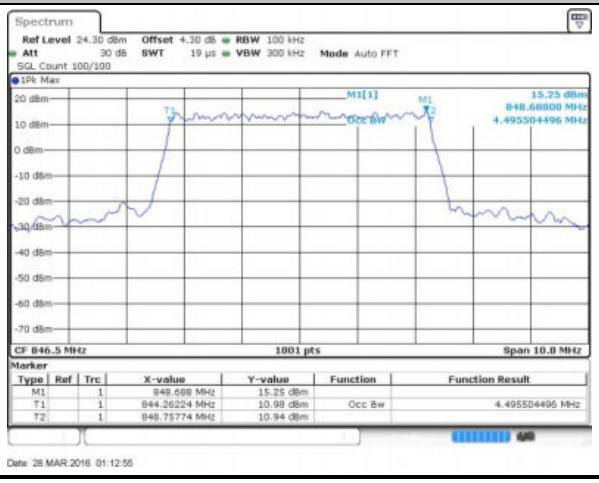
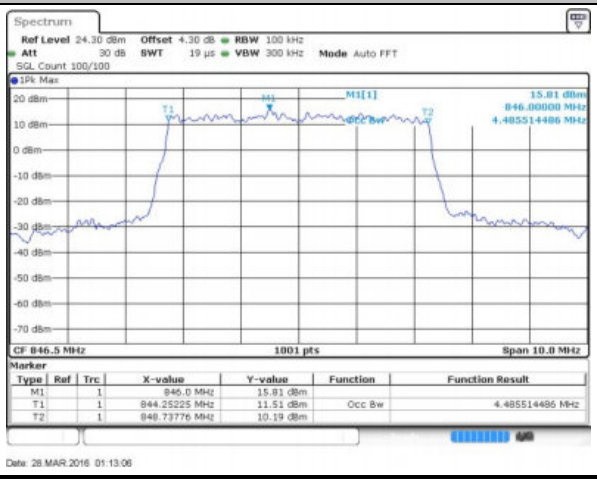


Highest Channel / 3MHz / QPSK



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