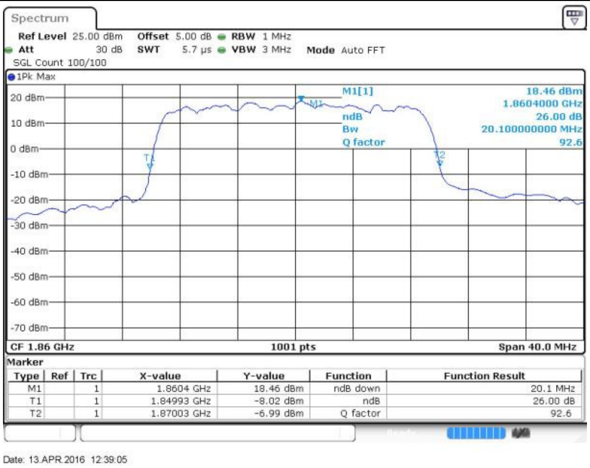
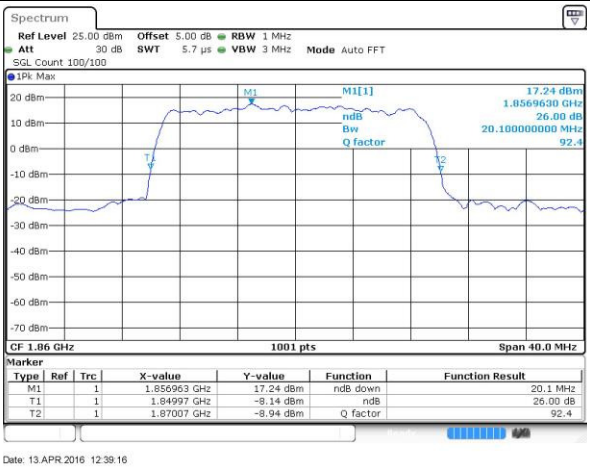
LTE Band 2

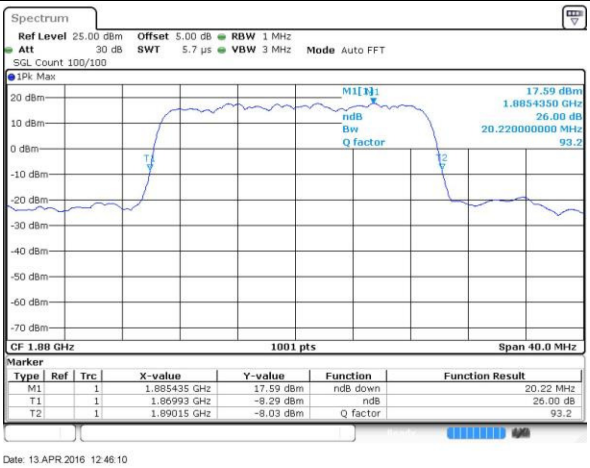
Lowest Channel / 20MHz / QPSK



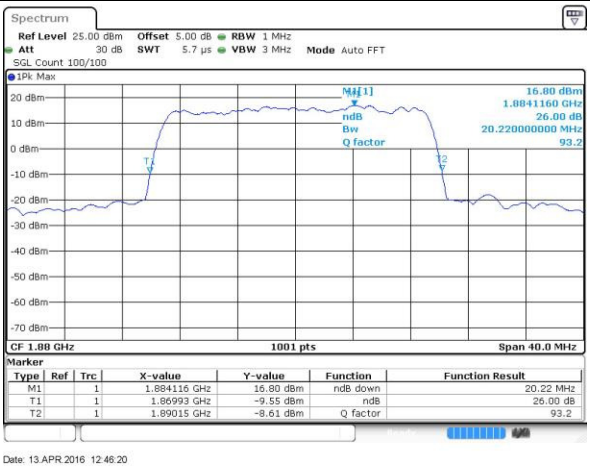
Lowest Channel / 20MHz / 16QAM



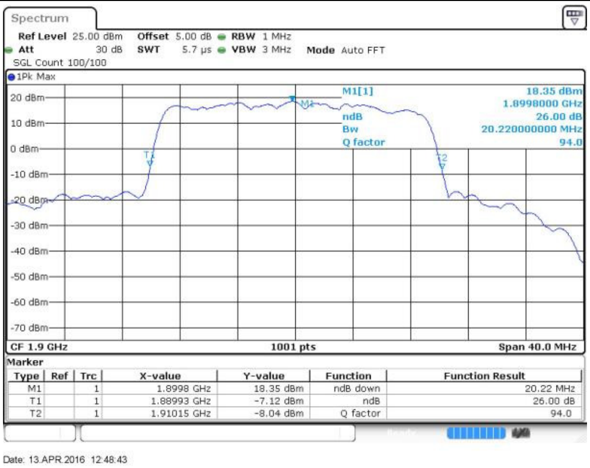
Middle Channel / 20MHz / QPSK



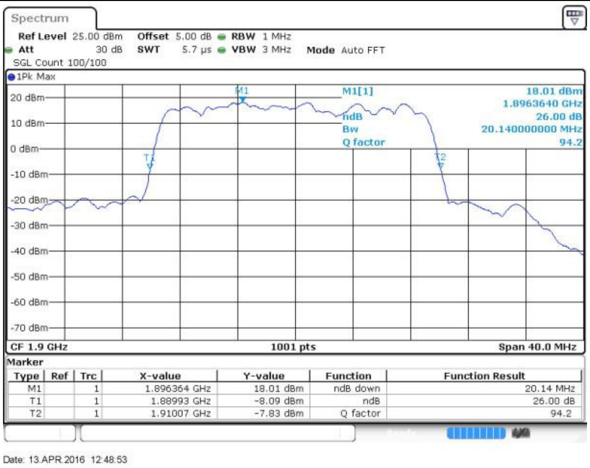
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK

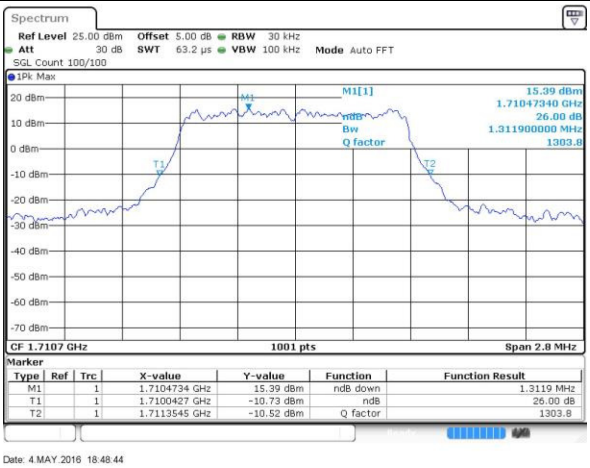


Highest Channel / 20MHz / 16QAM

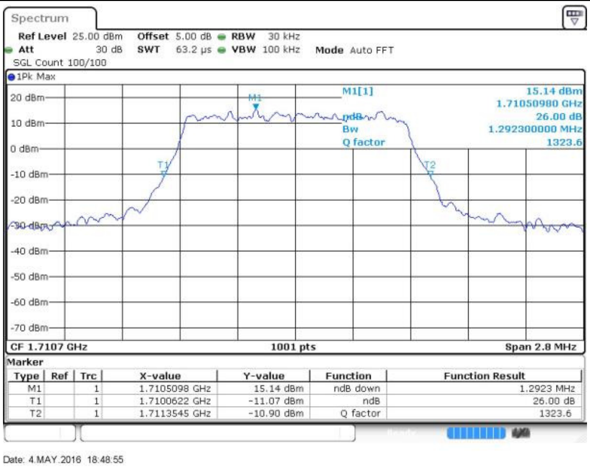


LTE Band 4

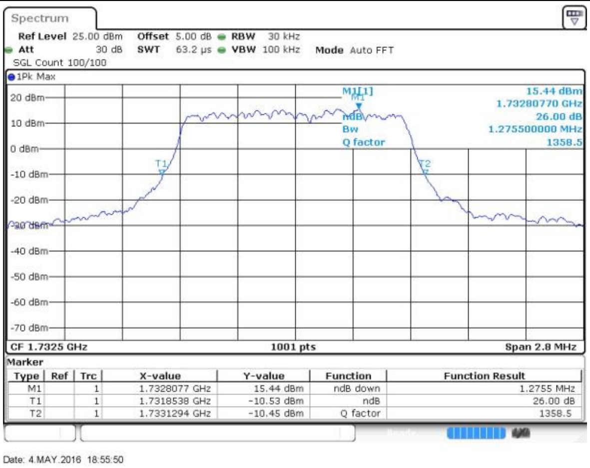
Lowest Channel / 1.4MHz / QPSK



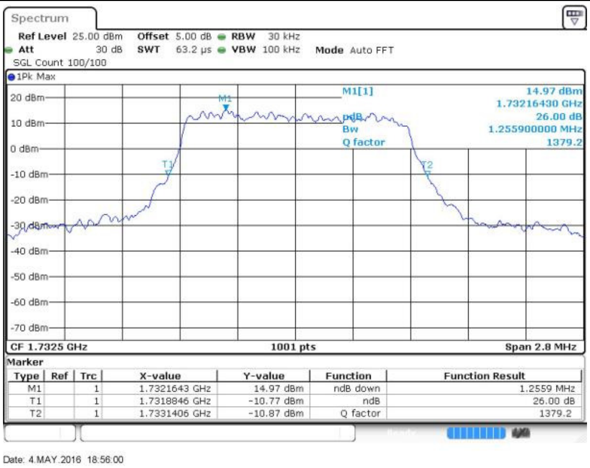
Lowest Channel / 1.4MHz / 16QAM



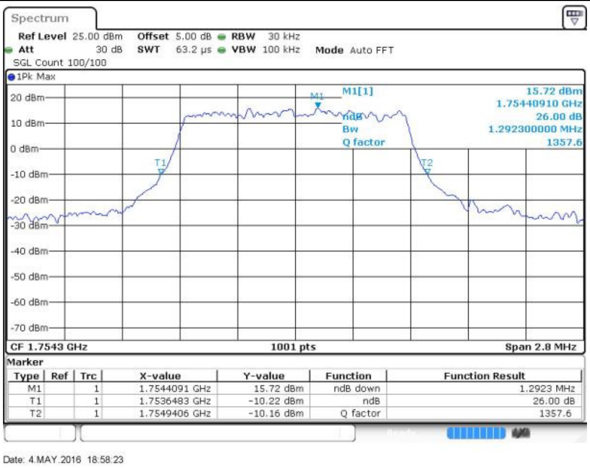
Middle Channel / 1.4MHz / QPSK



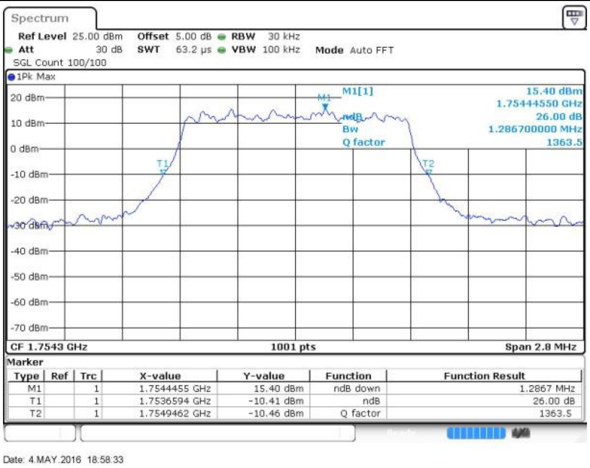
Middle Channel / 1.4MHz / 16QAM



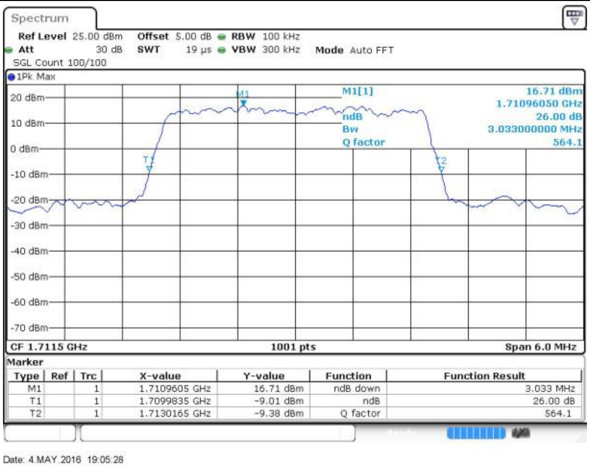
Highest Channel / 1.4MHz / QPSK

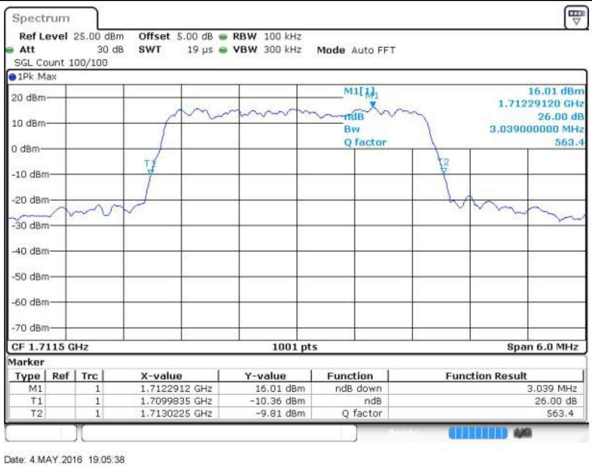


Highest Channel / 1.4MHz / 16QAM

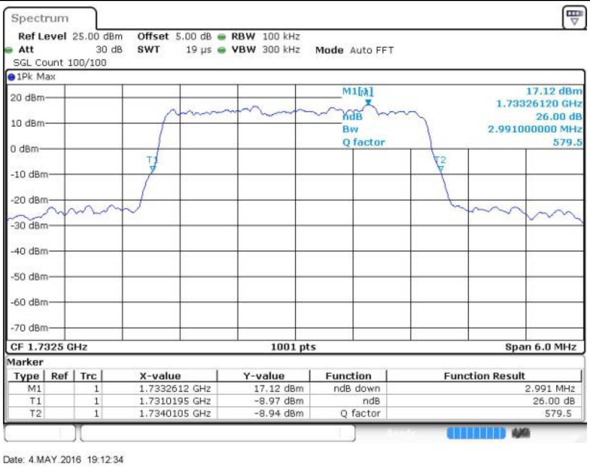


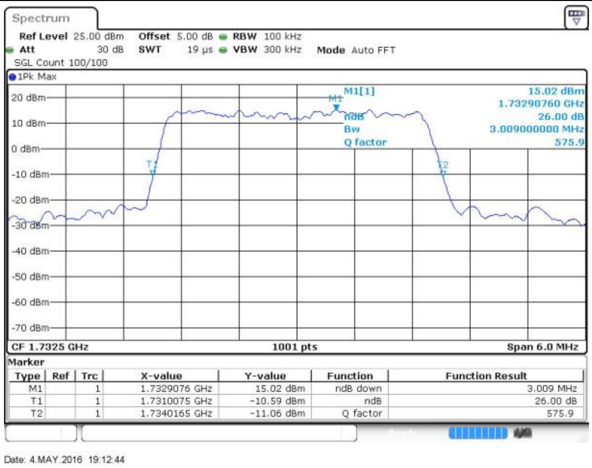
LTE Band 4	
Lowest Channel / 3MHz / QPSK	Lowest Channel / 3MHz / 16QAM



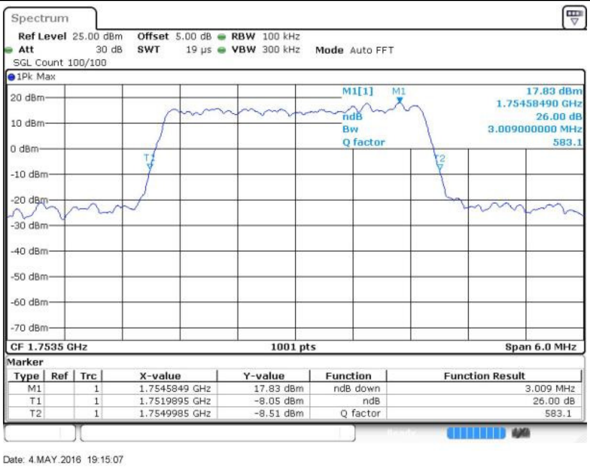


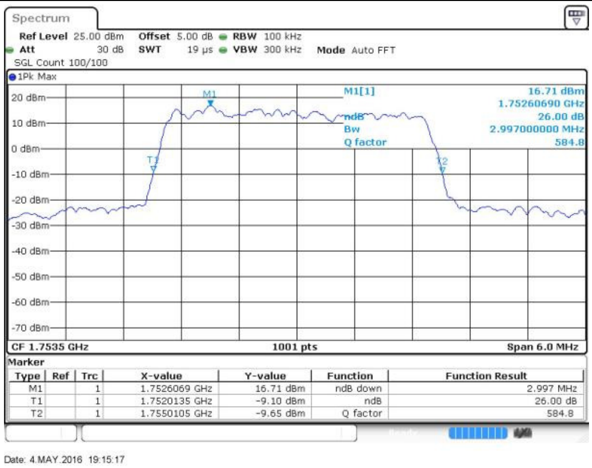
Middle Channel / 3MHz / QPSK	Middle Channel /3MHz / 16QAM





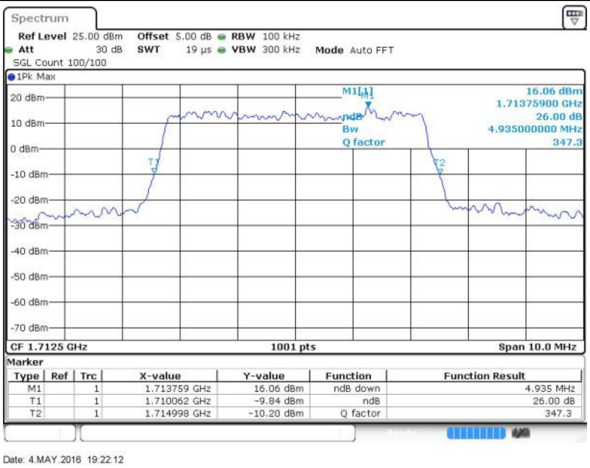
Highest Channel /3MHz / QPSK	Highest Channel /3MHz / 16QAM



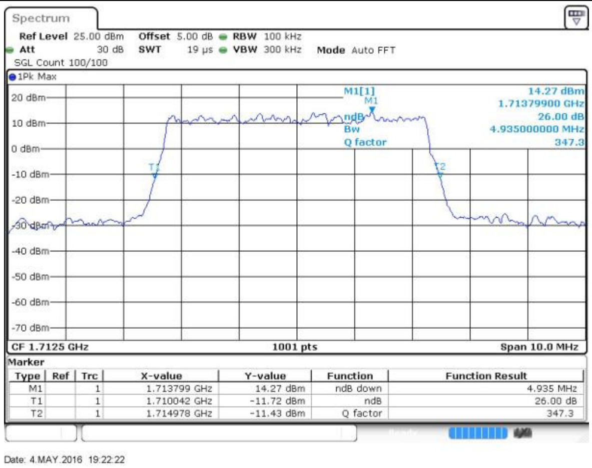


LTE Band 4

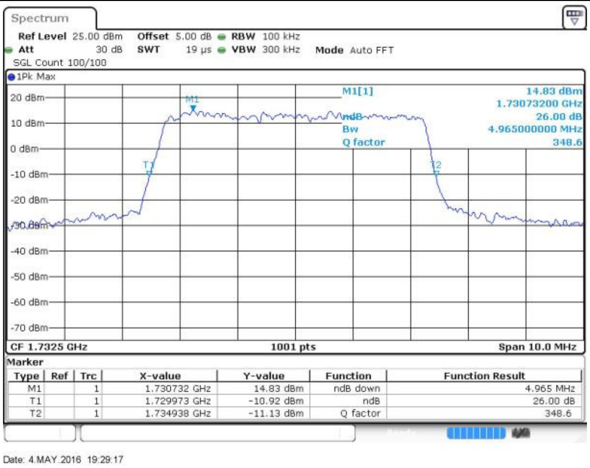
Lowest Channel / 5MHz / QPSK



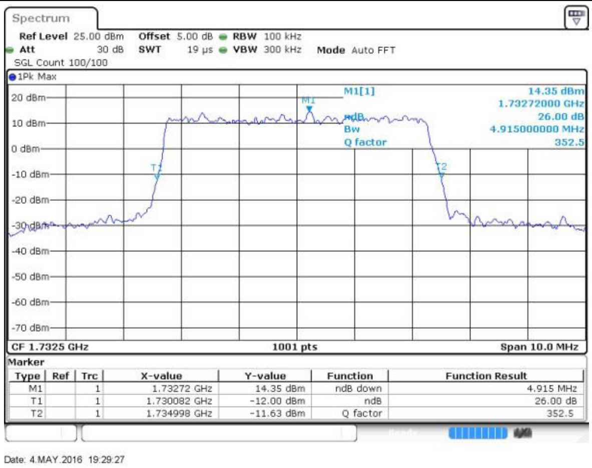
Lowest Channel / 5MHz / 16QAM



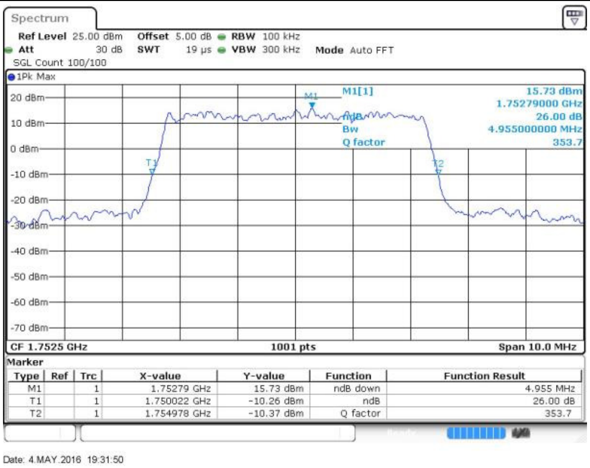
Middle Channel / 5MHz / QPSK



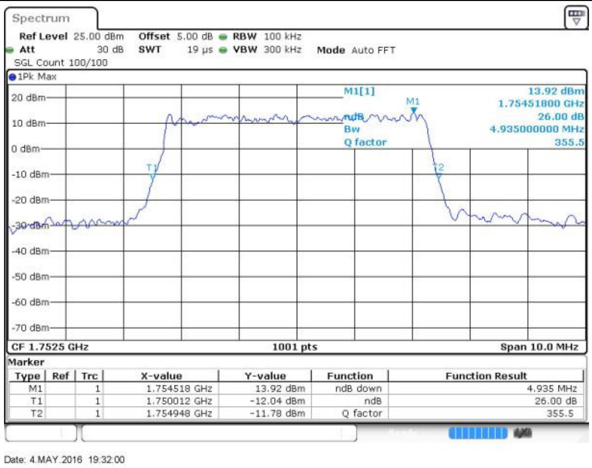
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

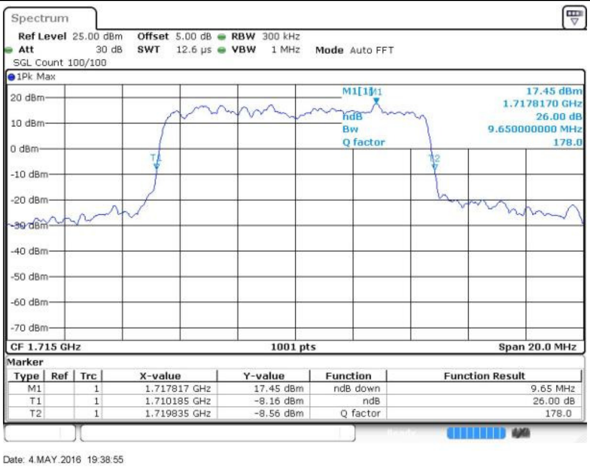


Highest Channel / 5MHz / 16QAM

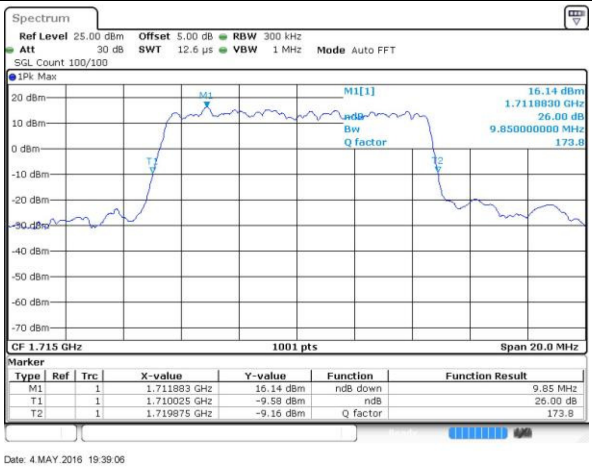


LTE Band 4

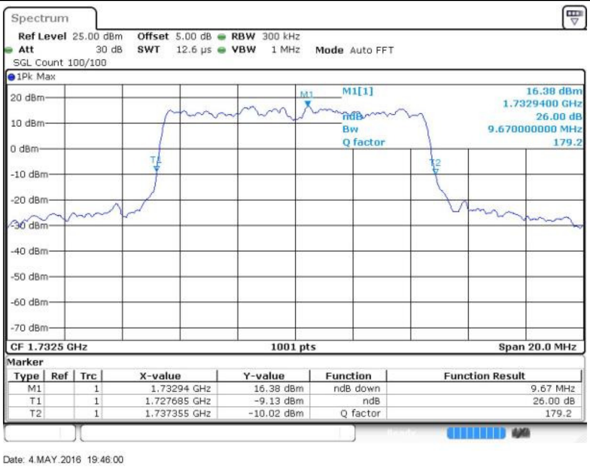
Lowest Channel / 10MHz / QPSK



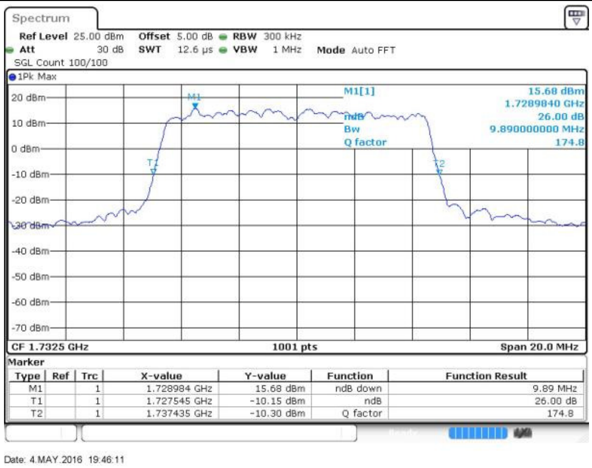
Lowest Channel / 10MHz / 16QAM



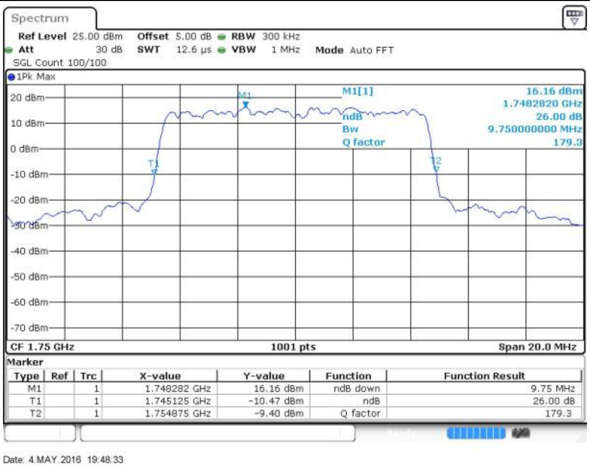
Middle Channel / 10MHz / QPSK



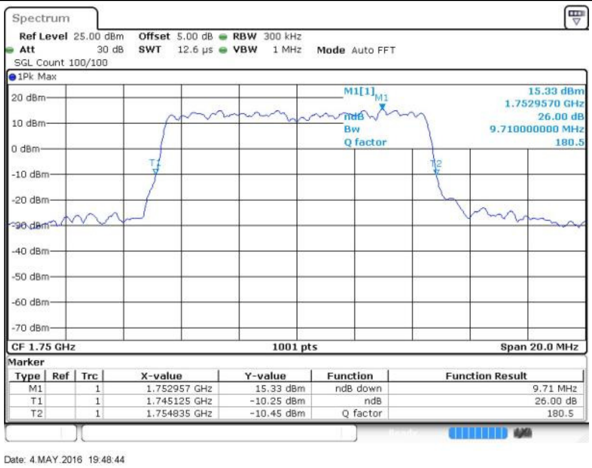
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

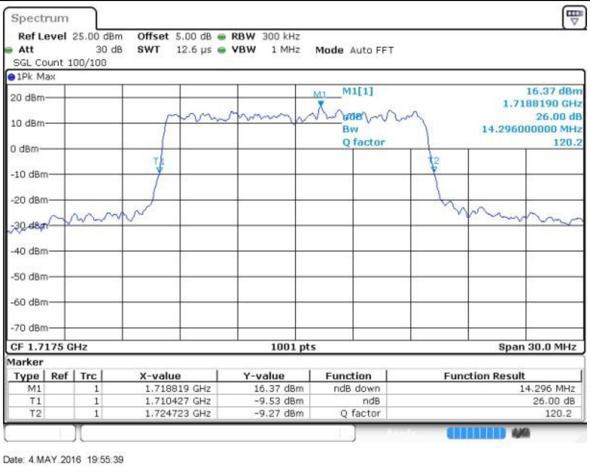


Highest Channel / 10MHz / 16QAM

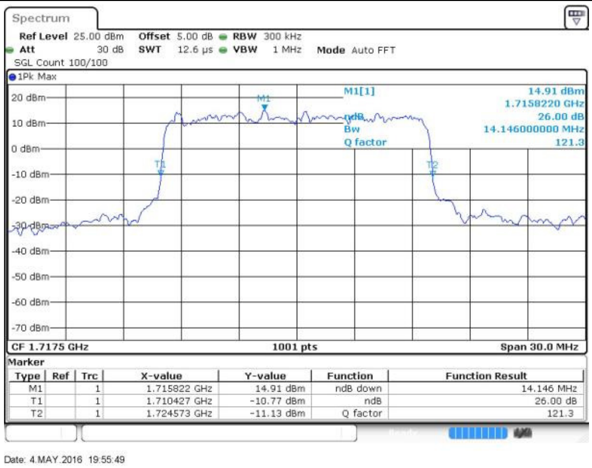


LTE Band 4

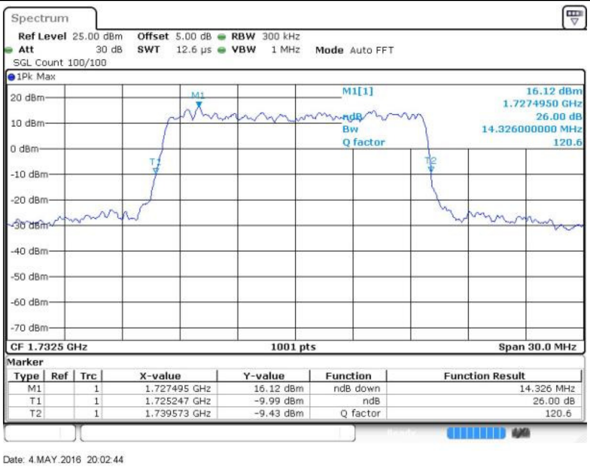
Lowest Channel / 15MHz / QPSK



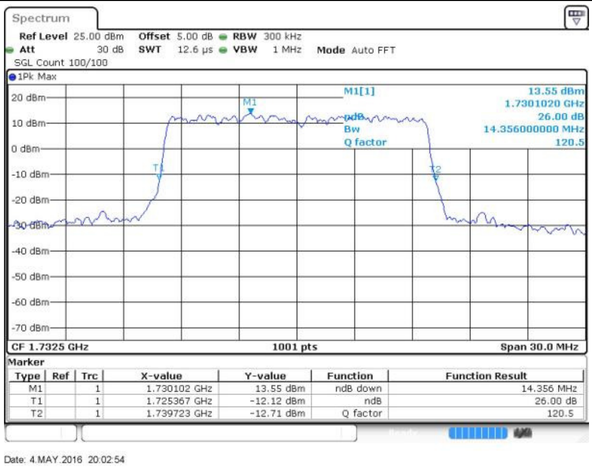
Lowest Channel / 15MHz / 16QAM



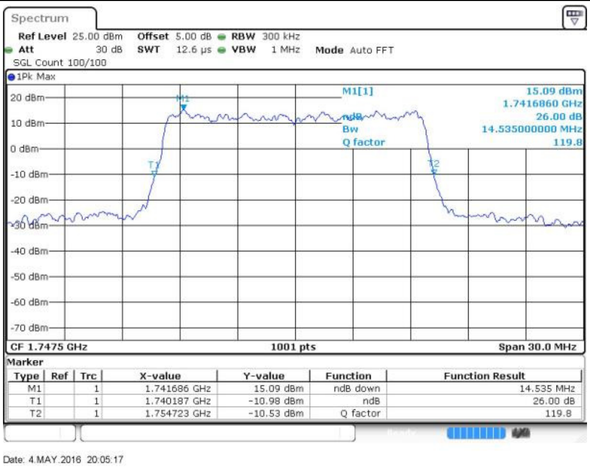
Middle Channel / 15MHz / QPSK



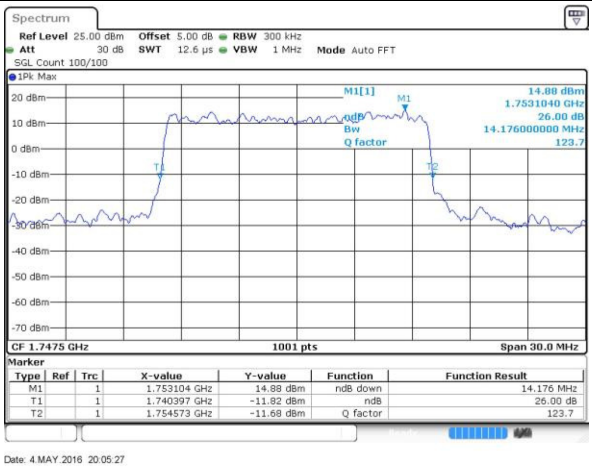
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

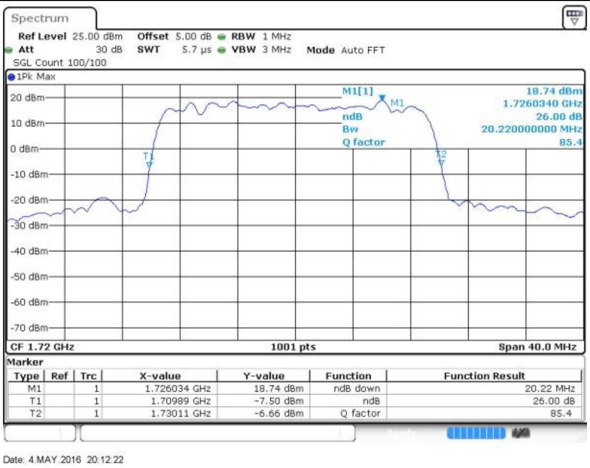


Highest Channel / 15MHz / 16QAM

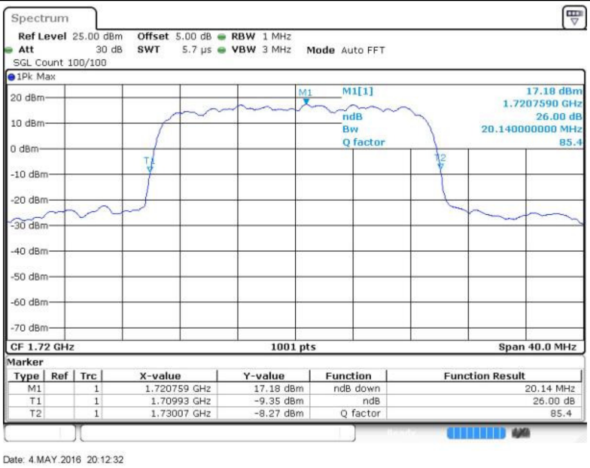


LTE Band 4

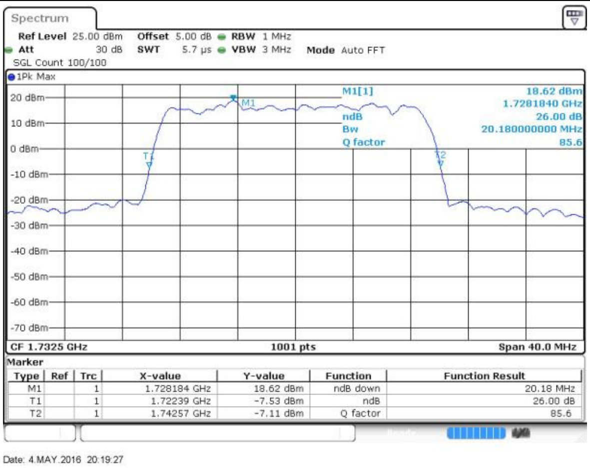
Lowest Channel / 20MHz / QPSK



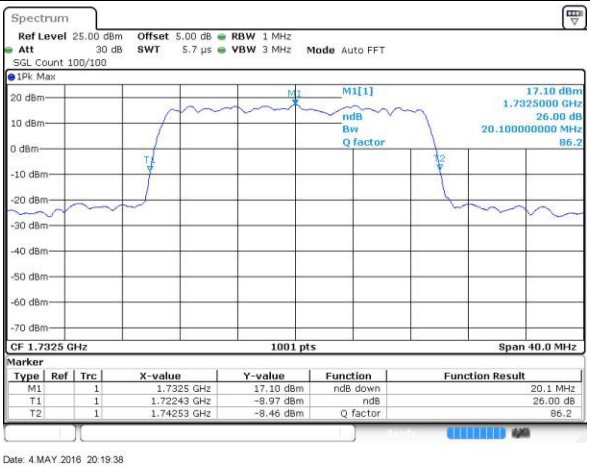
Lowest Channel / 20MHz / 16QAM



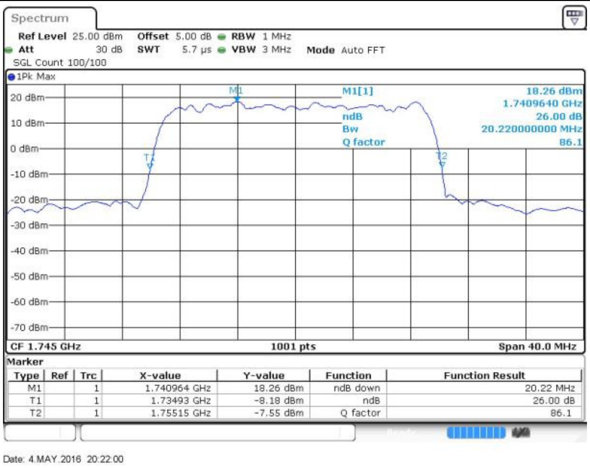
Middle Channel / 20MHz / QPSK



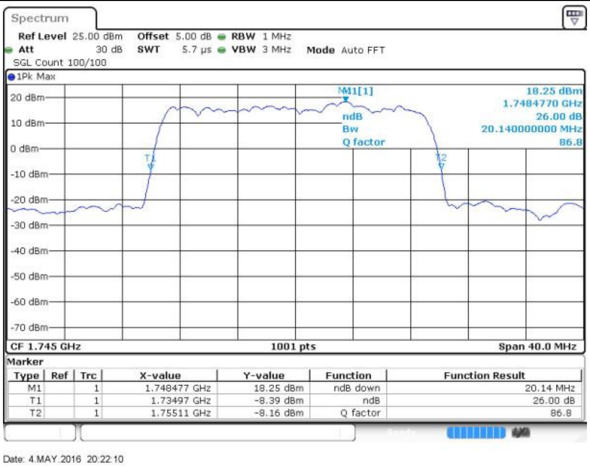
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK

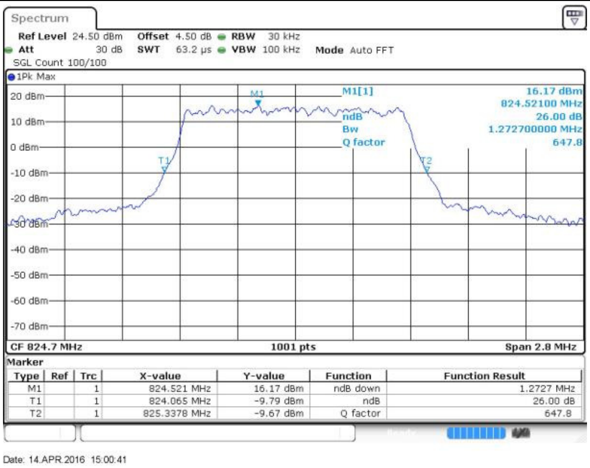


Highest Channel / 20MHz / 16QAM

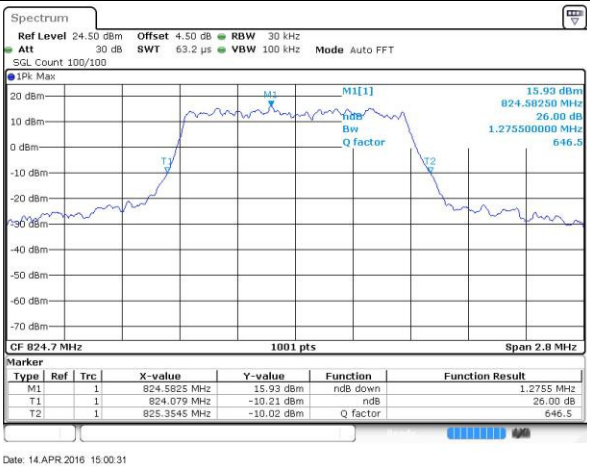


LTE Band 5

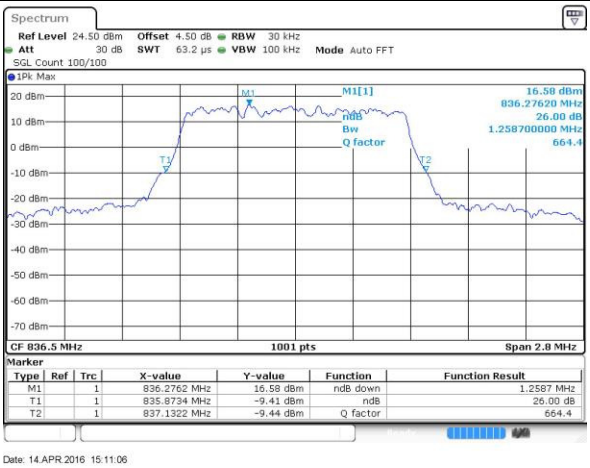
Lowest Channel / 1.4MHz / QPSK



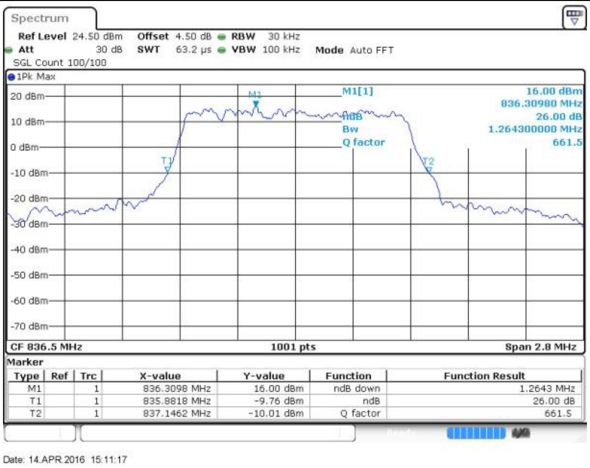
Lowest Channel / 1.4MHz / 16QAM



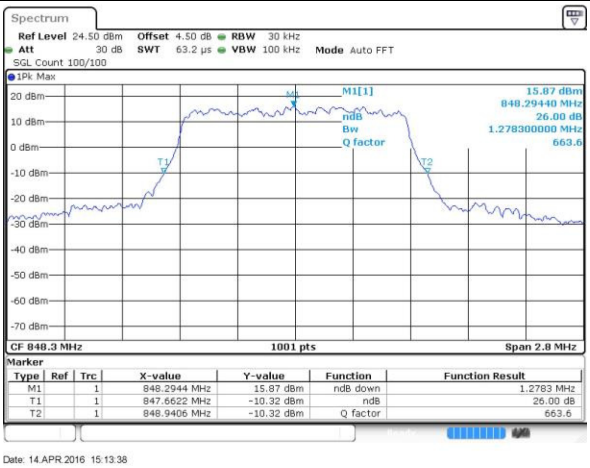
Middle Channel / 1.4MHz / QPSK



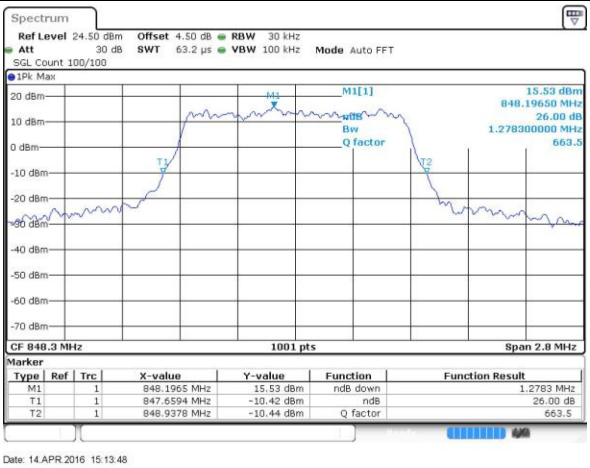
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

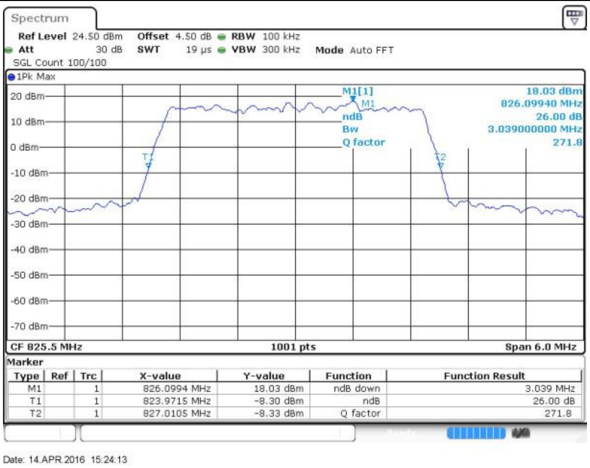


Highest Channel / 1.4MHz / 16QAM

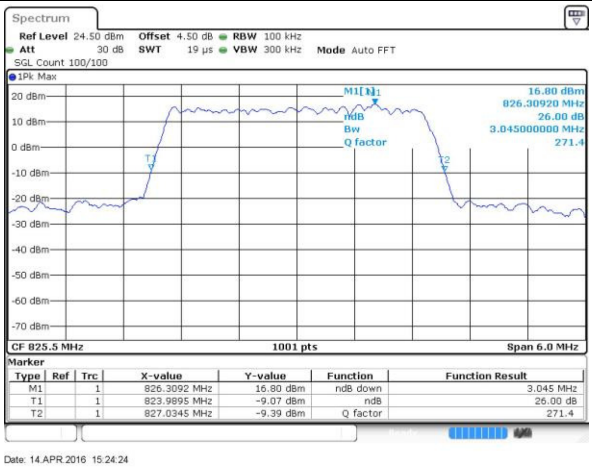


LTE Band 5

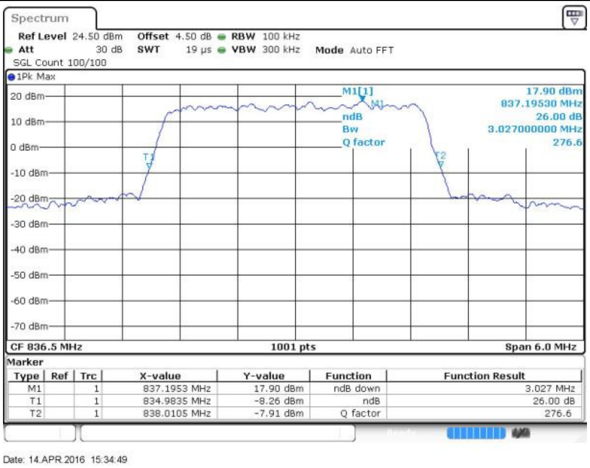
Lowest Channel / 3MHz / QPSK



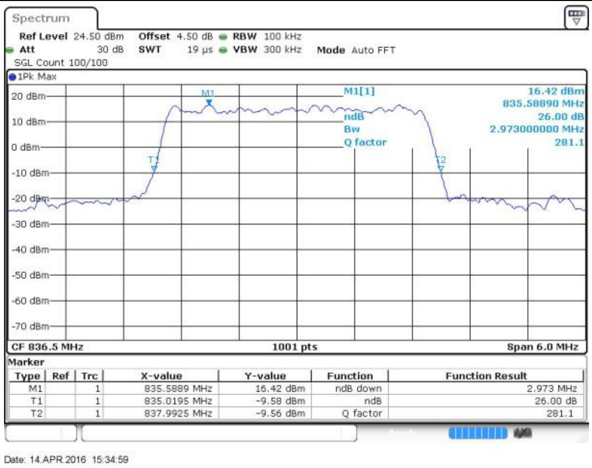
Lowest Channel / 3MHz / 16QAM



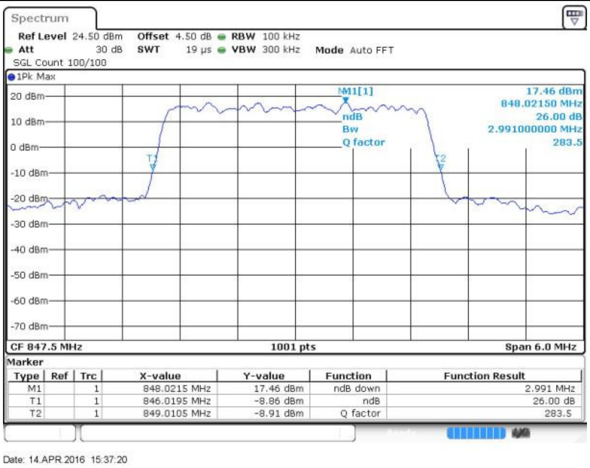
Middle Channel / 3MHz / QPSK



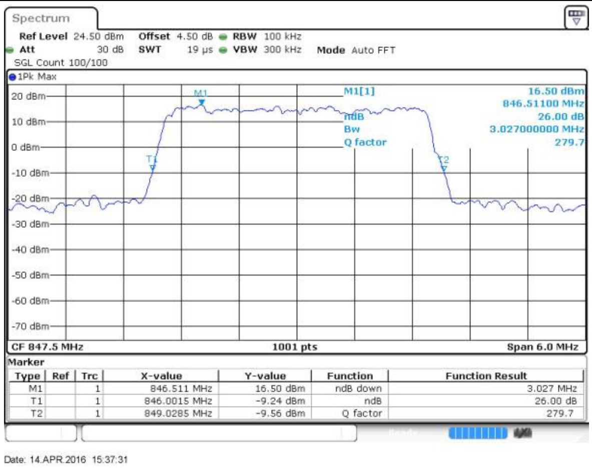
Middle Channel /3MHz / 16QAM



Highest Channel /3MHz / QPSK

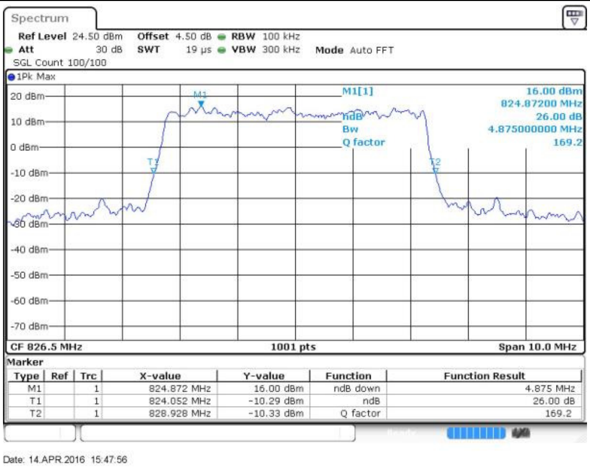


Highest Channel /3MHz / 16QAM

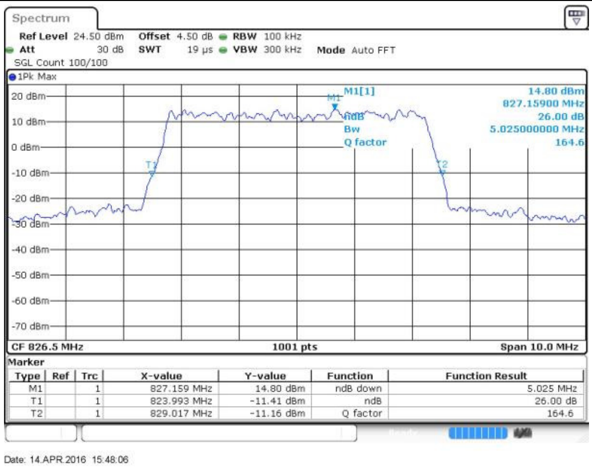


LTE Band 5

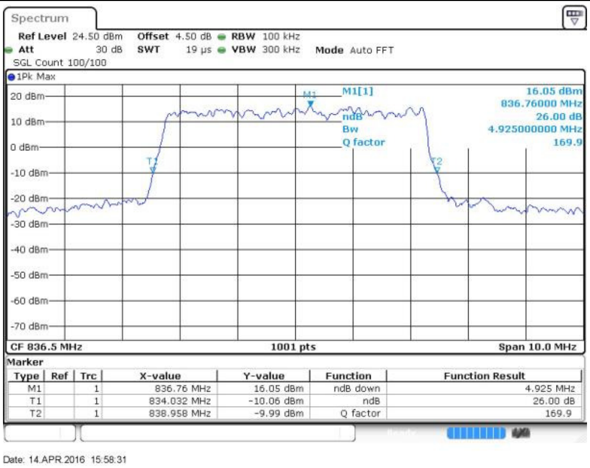
Lowest Channel / 5MHz / QPSK



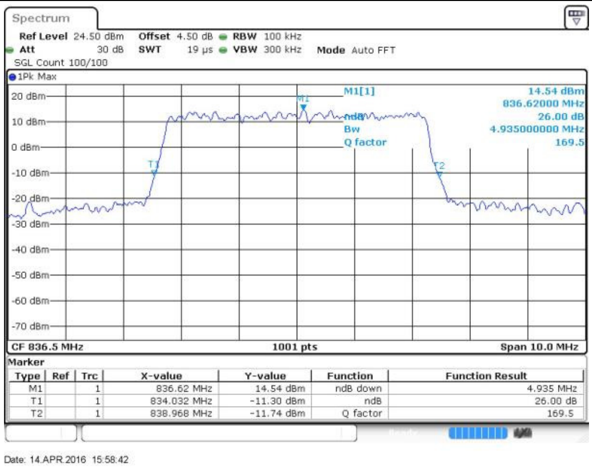
Lowest Channel / 5MHz / 16QAM



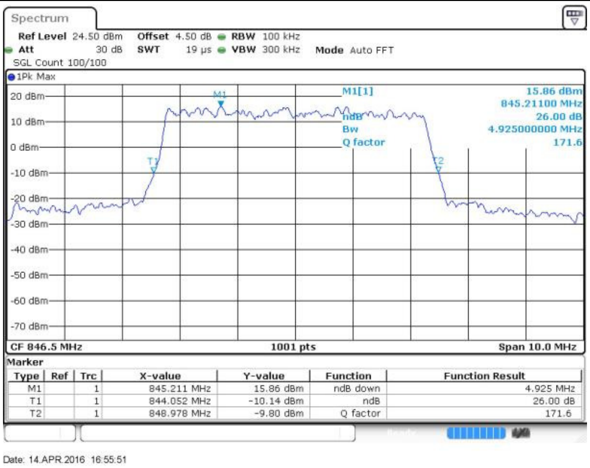
Middle Channel / 5MHz / QPSK



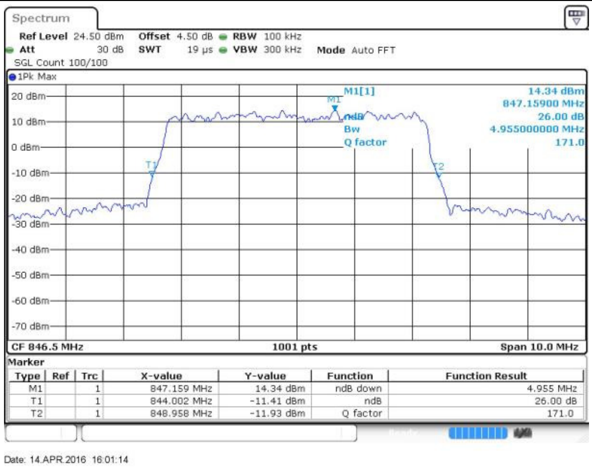
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

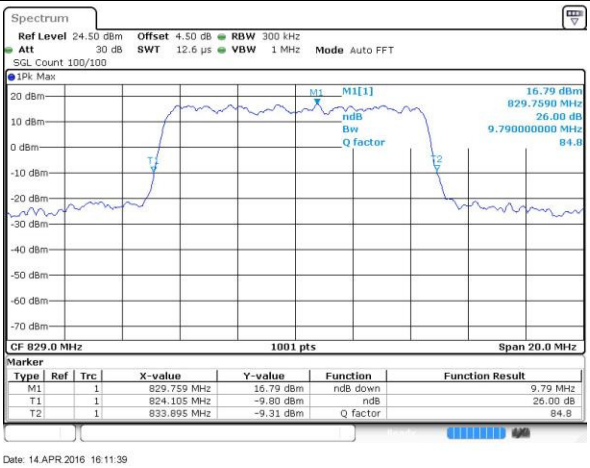


Highest Channel / 5MHz / 16QAM

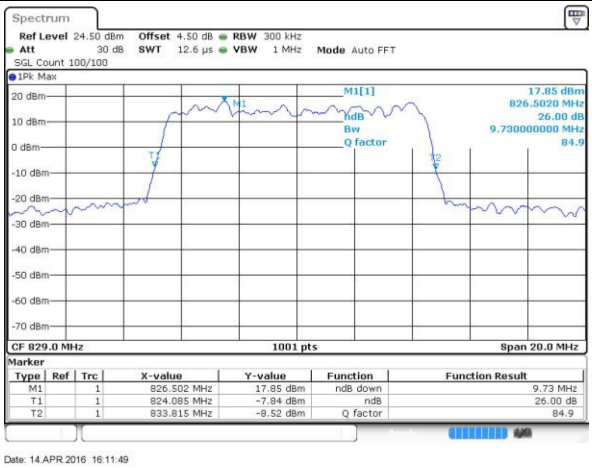


LTE Band 5

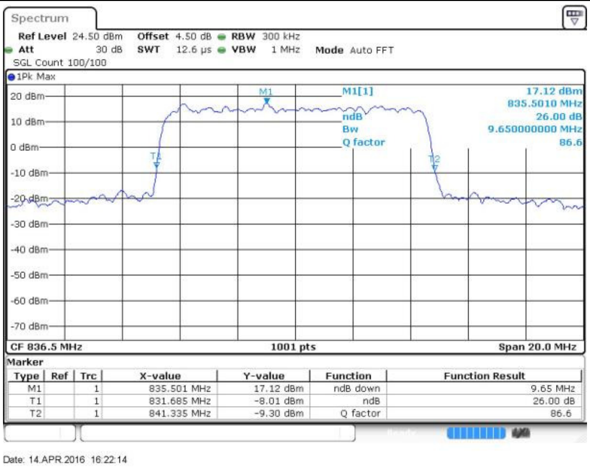
Lowest Channel / 10MHz / QPSK



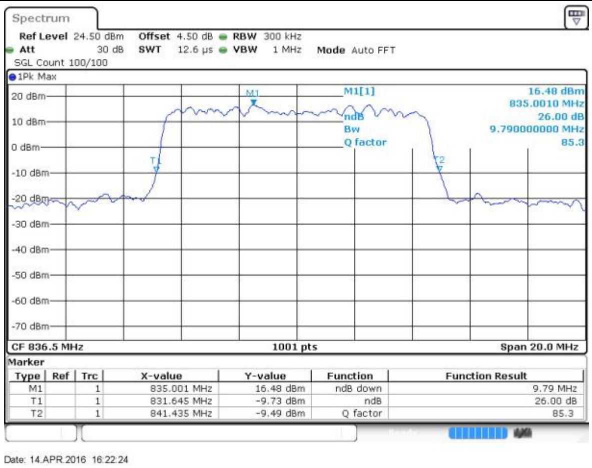
Lowest Channel / 10MHz / 16QAM



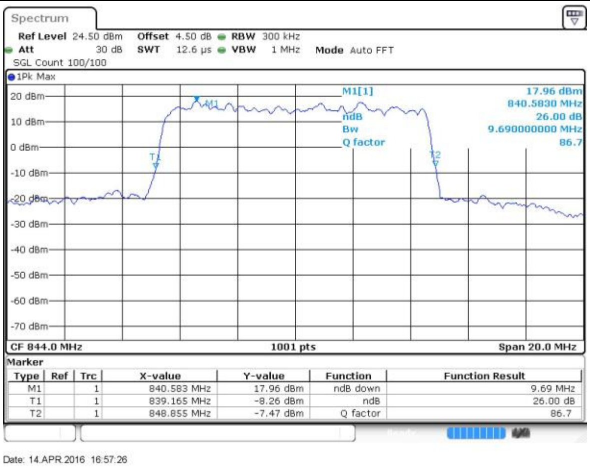
Middle Channel / 10MHz / QPSK



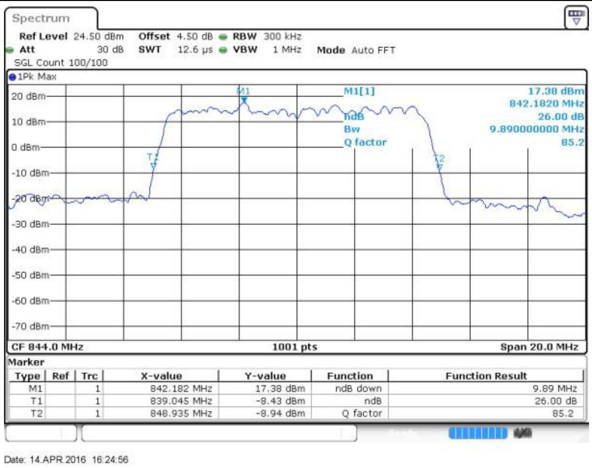
Middle Channel / 10MHz / 16QAM



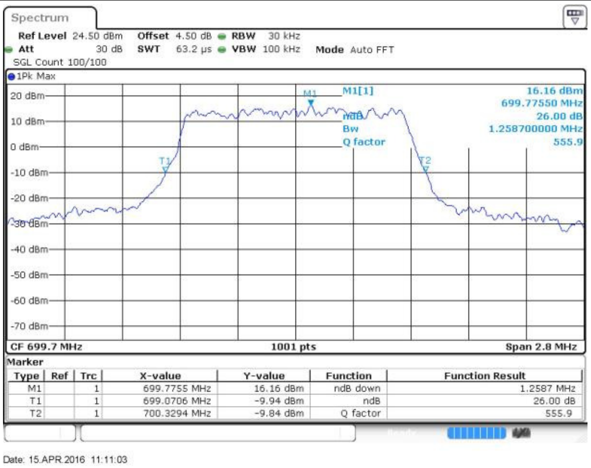
Highest Channel / 10MHz / QPSK

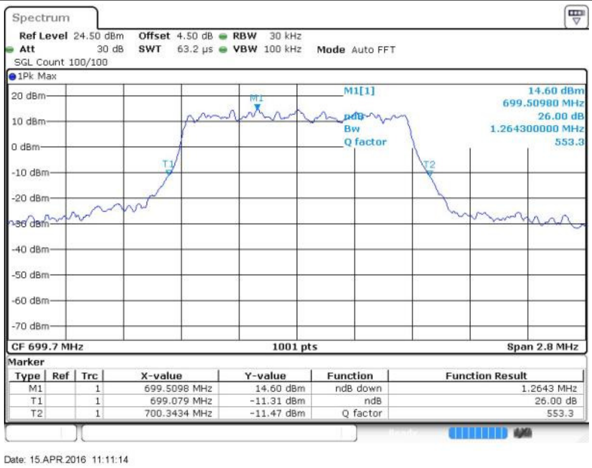


Highest Channel / 10MHz / 16QAM

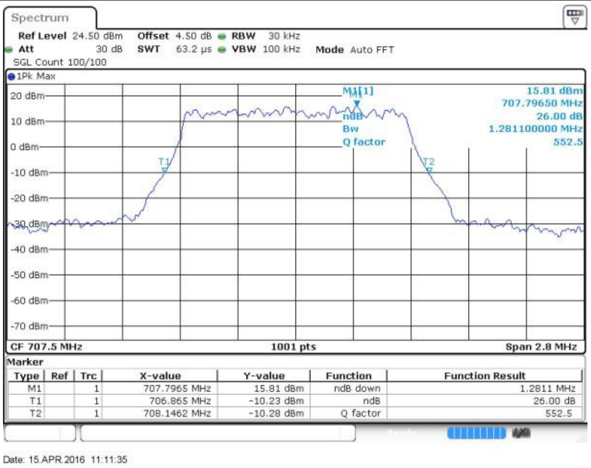


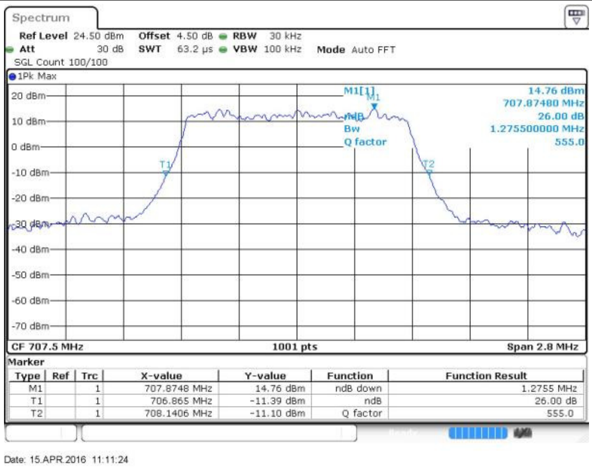
LTE Band 12	
Lowest Channel / 1.4MHz / QPSK	Lowest Channel / 1.4MHz / 16QAM



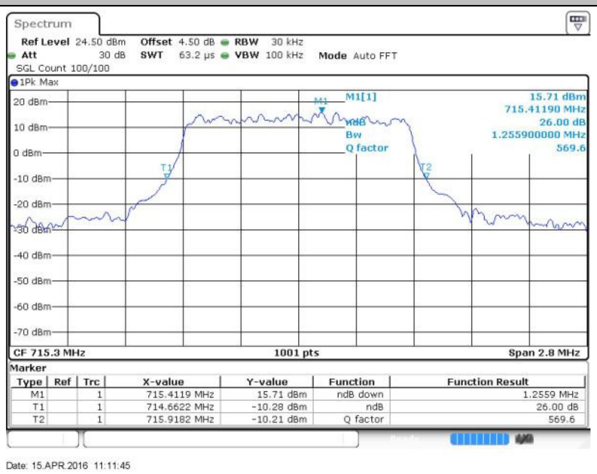


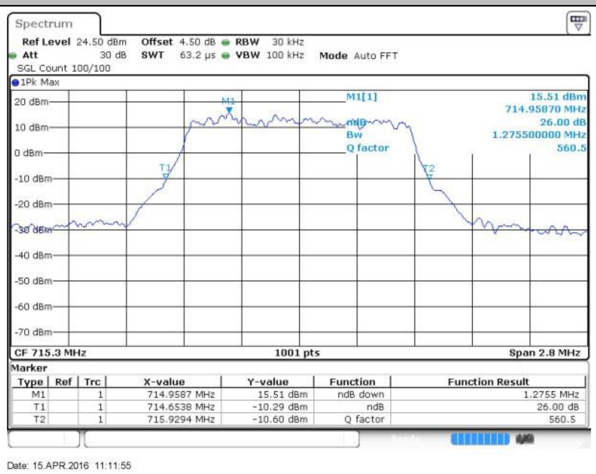
Middle Channel / 1.4MHz / QPSK	Middle Channel / 1.4MHz / 16QAM



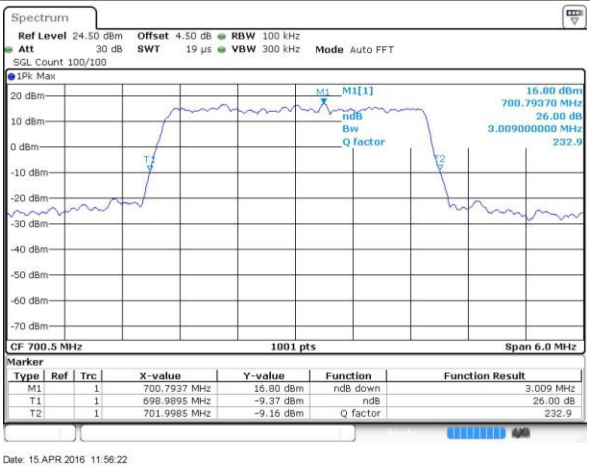


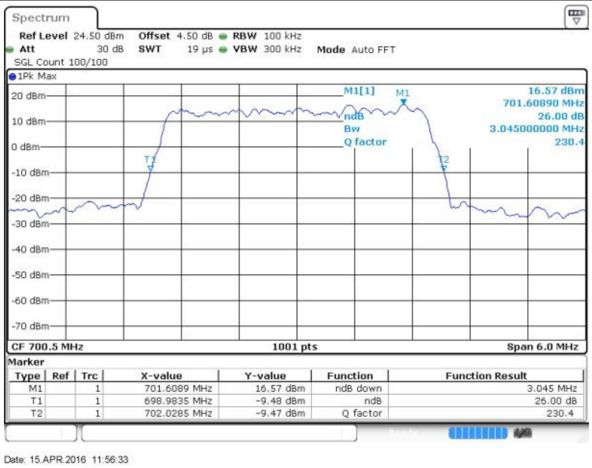
Highest Channel / 1.4MHz / QPSK	Highest Channel / 1.4MHz / 16QAM



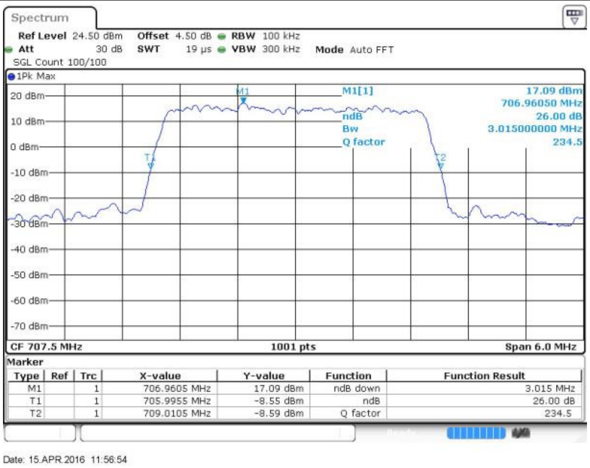


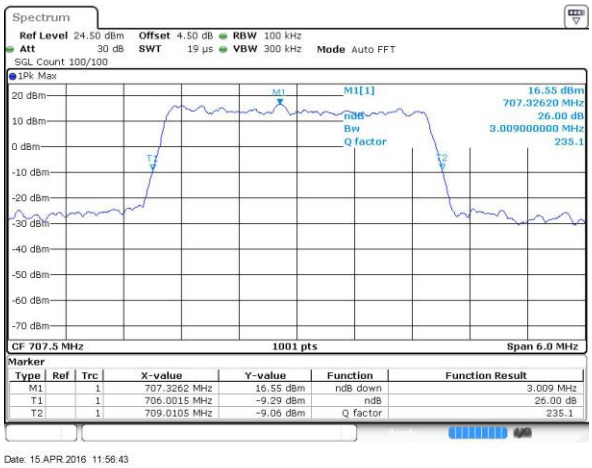
LTE Band 12	
Lowest Channel / 3MHz / QPSK	Lowest Channel / 3MHz / 16QAM



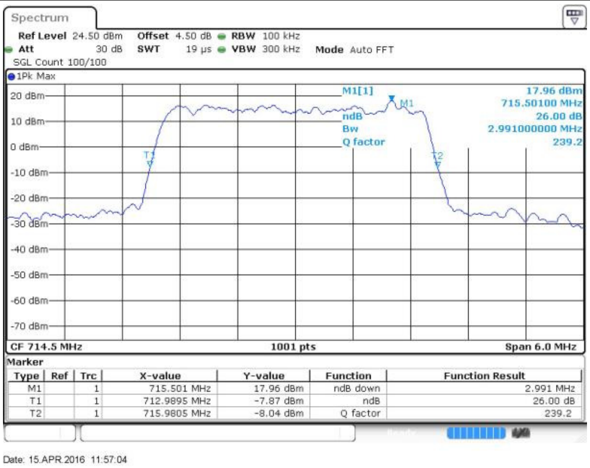


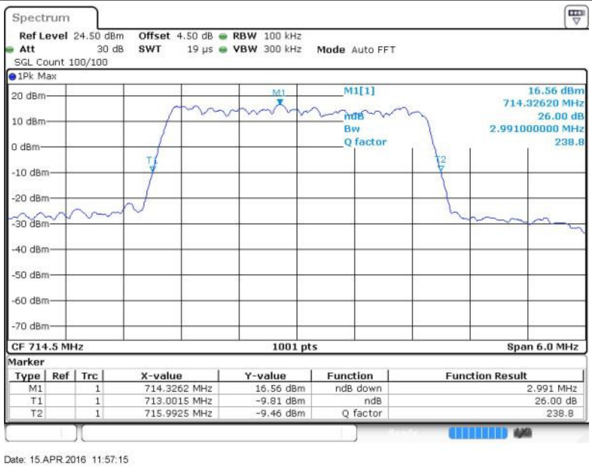
Middle Channel / 3MHz / QPSK	Middle Channel /3MHz / 16QAM





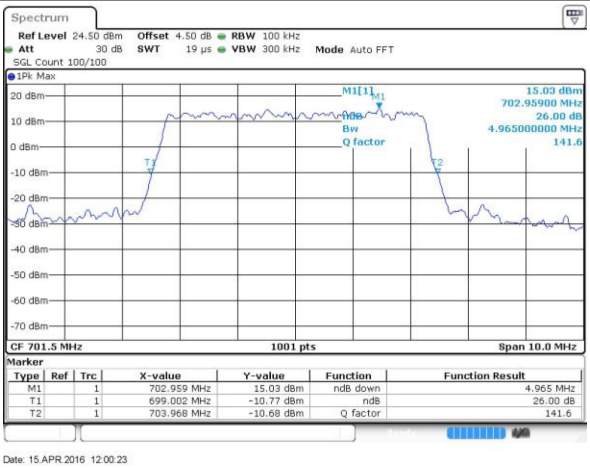
Highest Channel /3MHz / QPSK	Highest Channel /3MHz / 16QAM



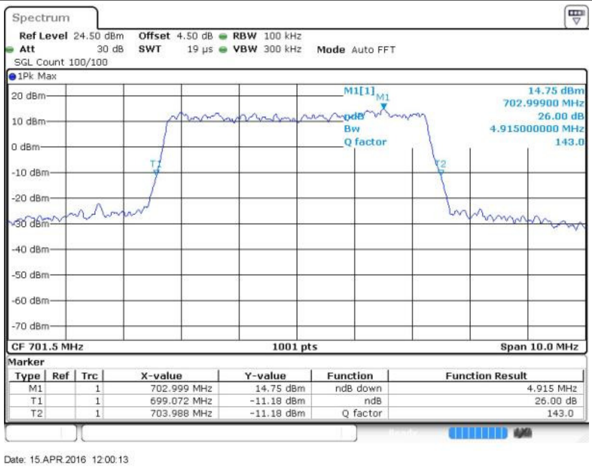


LTE Band 12

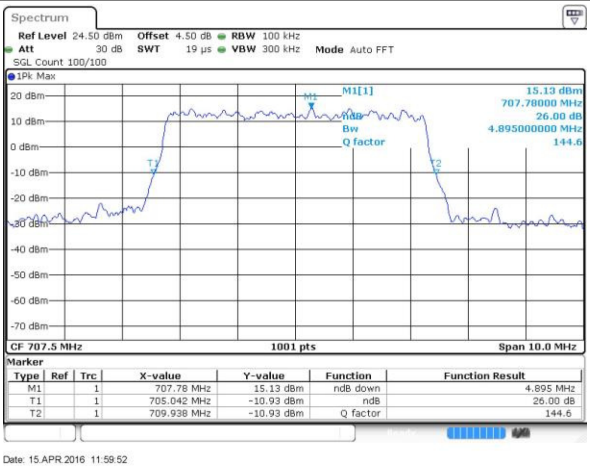
Lowest Channel / 5MHz / QPSK



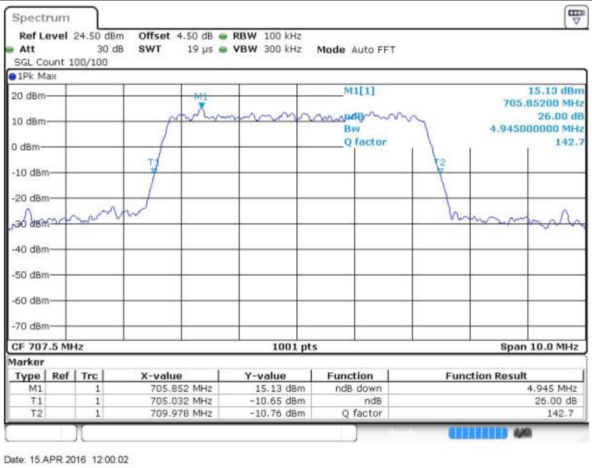
Lowest Channel / 5MHz / 16QAM



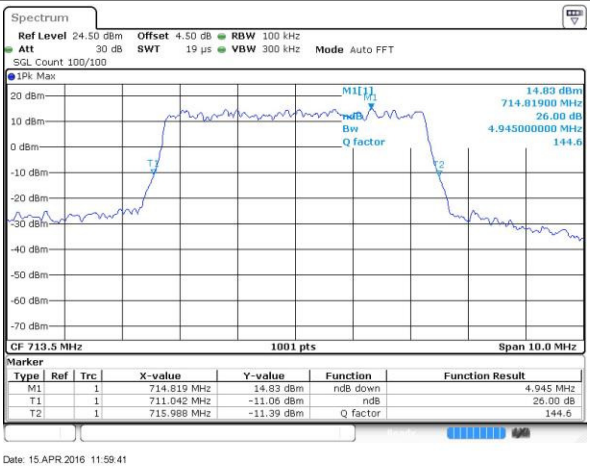
Middle Channel / 5MHz / QPSK



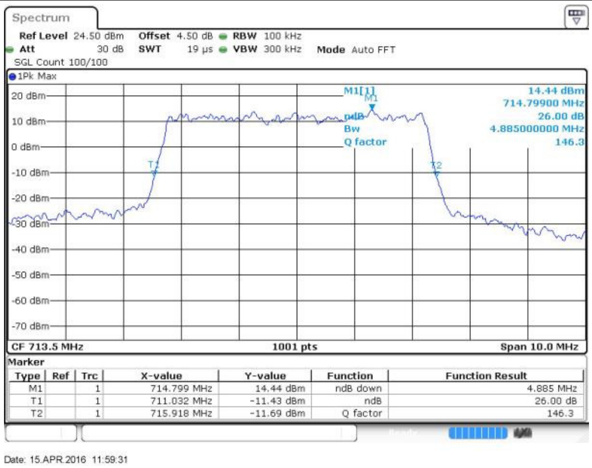
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

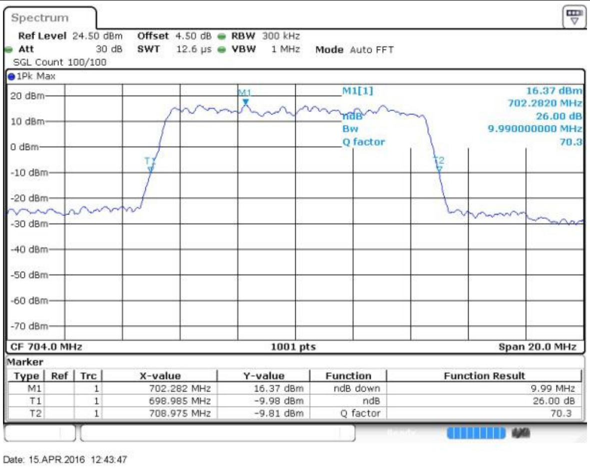


Highest Channel / 5MHz / 16QAM

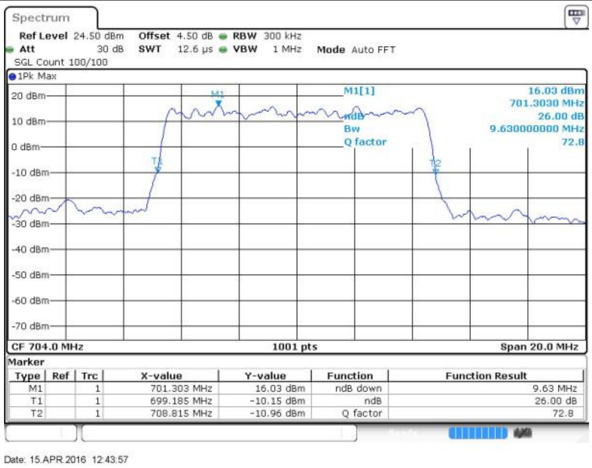


LTE Band 12

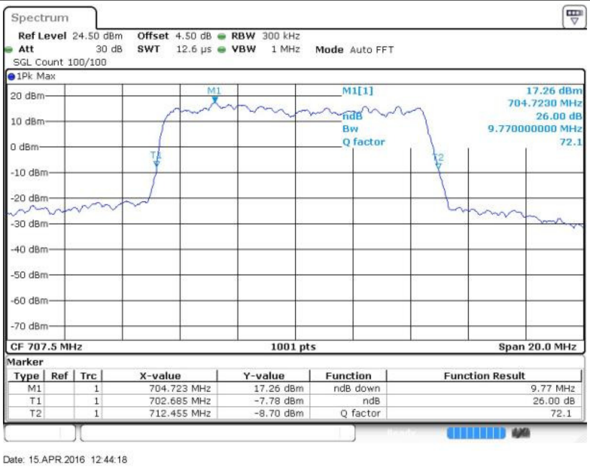
Lowest Channel / 10MHz / QPSK



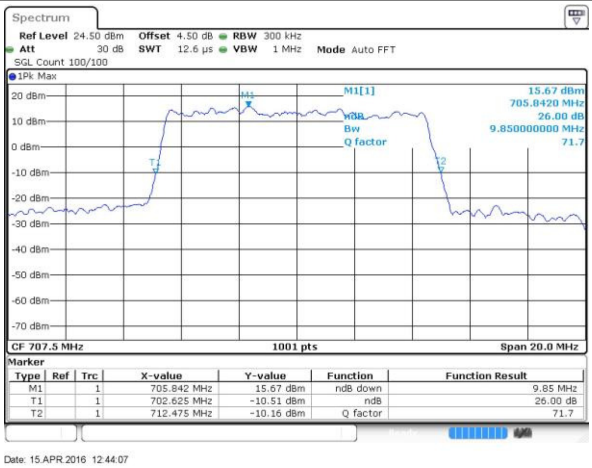
Lowest Channel / 10MHz / 16QAM



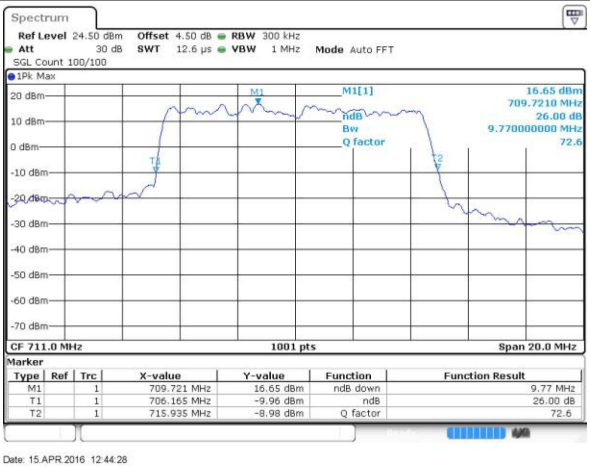
Middle Channel / 10MHz / QPSK



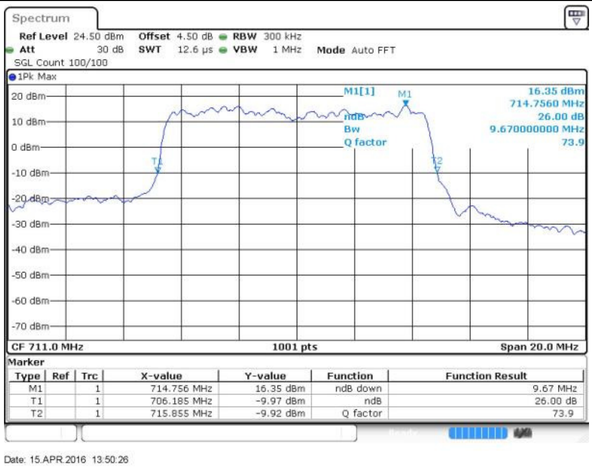
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



Highest Channel / 10MHz / 16QAM



Occupied Bandwidth

Mode	LTE Band 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	2.72	2.72	4.5	4.5	9.09	9.05	13.49	13.46	18.34	18.3
Middle CH	1.09	1.09	2.7	2.7	4.5	4.49	8.97	9.01	13.4	13.43	18.46	18.14
Highest CH	1.09	1.09	2.73	2.71	4.5	4.5	9.01	9.07	13.43	13.43	18.42	18.22

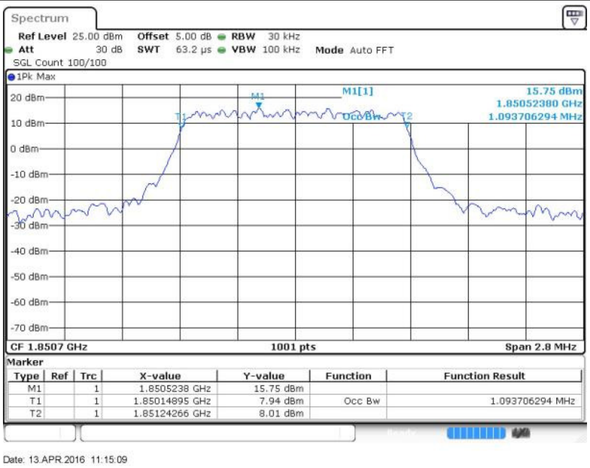
Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.1	2.72	2.72	4.52	4.51	9.01	9.05	13.43	13.43	18.38	18.26
Middle CH	1.09	1.09	2.70	2.70	4.51	4.5	9.03	9.05	13.49	13.46	18.46	18.26
Highest CH	1.09	1.1	2.72	2.73	4.51	4.49	9.01	9.01	13.46	13.43	18.38	18.38

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	2.7	2.75	4.5	4.49	9.07	8.99	-	-	-	-
Middle CH	1.1	1.09	2.73	2.73	4.47	4.51	9.01	9.05	-	-	-	-
Highest CH	1.09	1.1	2.73	2.72	4.5	4.5	9.01	9.01	-	-	-	-

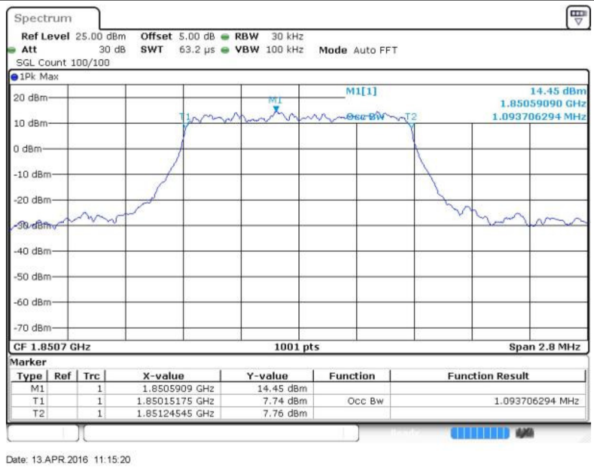
Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.1	2.72	2.72	4.51	4.5	9.03	9.01	-	-	-	-
Middle CH	1.09	1.09	2.71	2.74	4.49	4.5	8.97	9.07	-	-	-	-
Highest CH	1.1	1.09	2.72	2.72	4.5	4.49	9.15	8.99	-	-	-	-

LTE Band 2

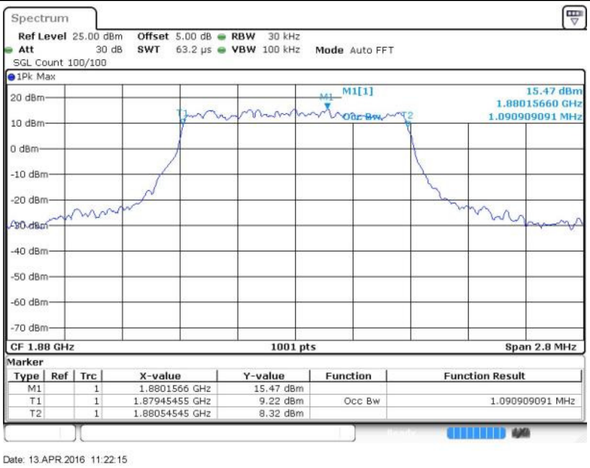
Lowest Channel / 1.4MHz / QPSK



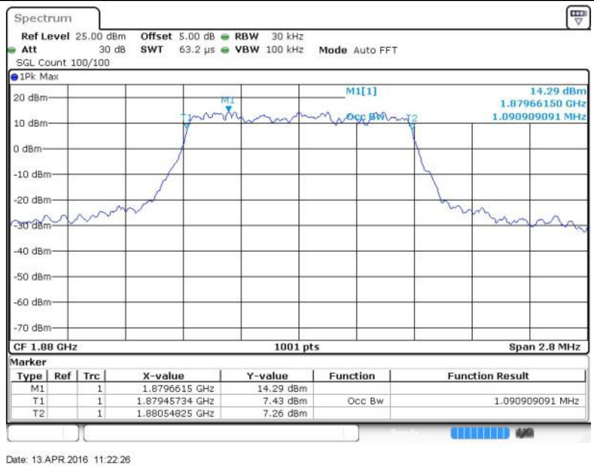
Lowest Channel / 1.4MHz / 16QAM



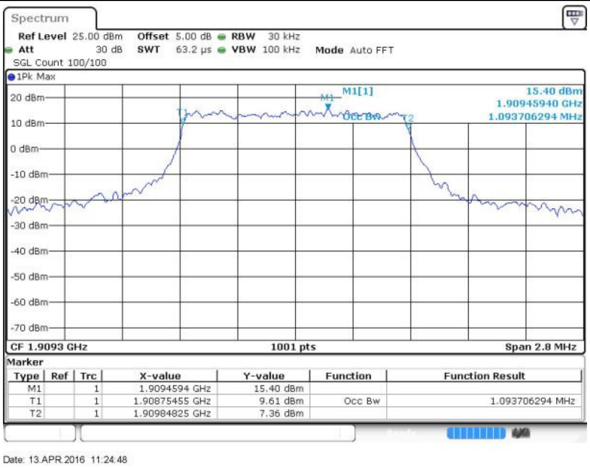
Middle Channel / 1.4MHz / QPSK



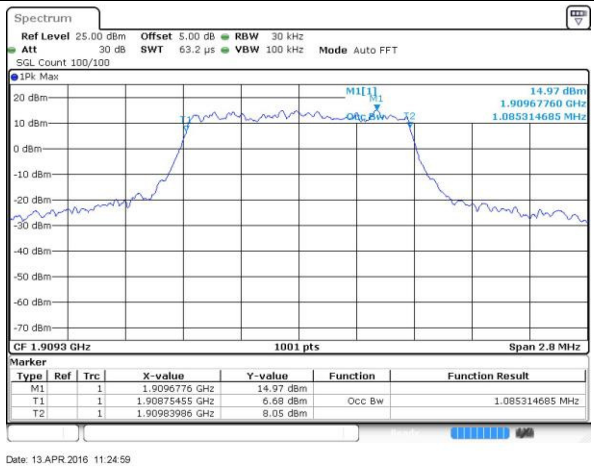
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

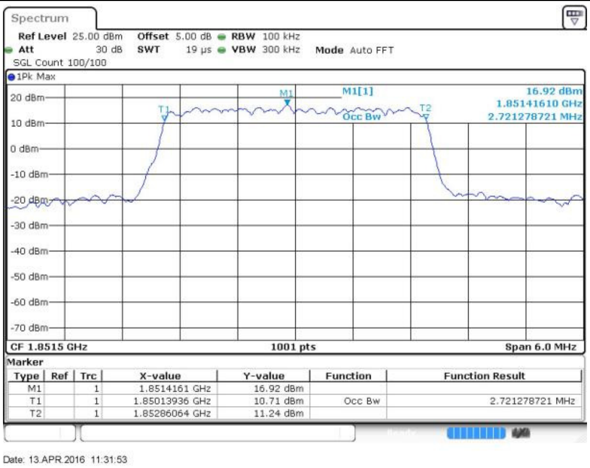


Highest Channel / 1.4MHz / 16QAM

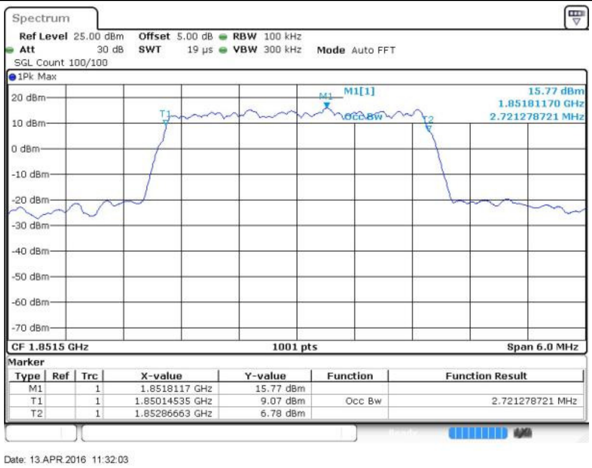


LTE Band 2

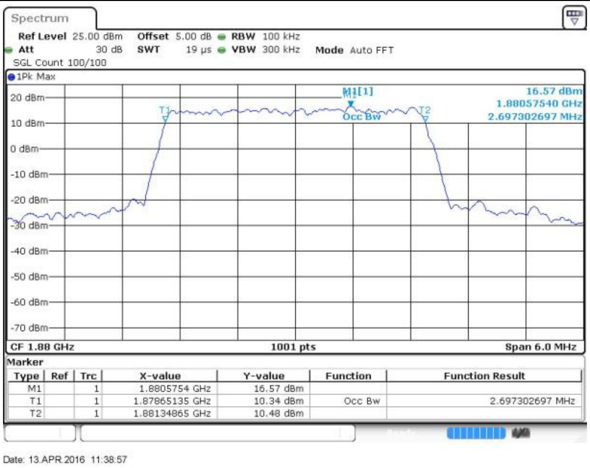
Lowest Channel / 3MHz / QPSK



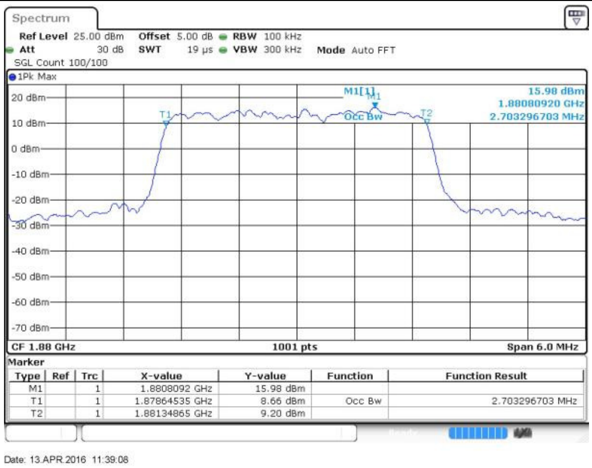
Lowest Channel / 3MHz / 16QAM



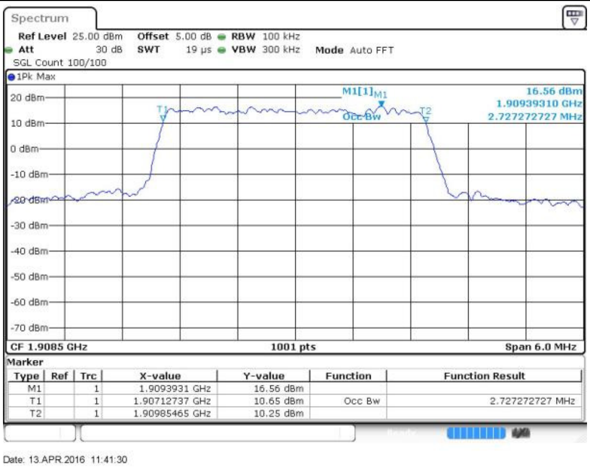
Middle Channel / 3MHz / QPSK



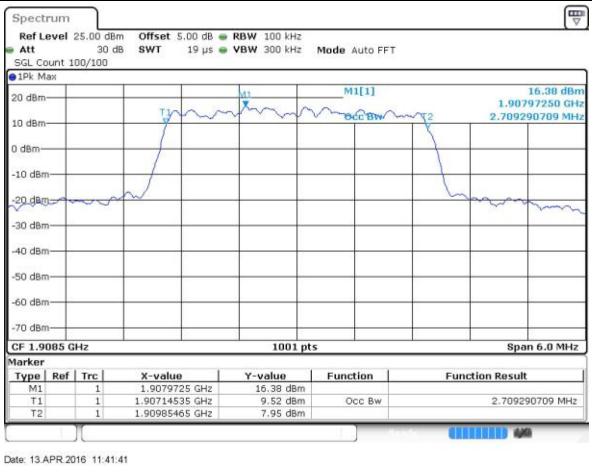
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

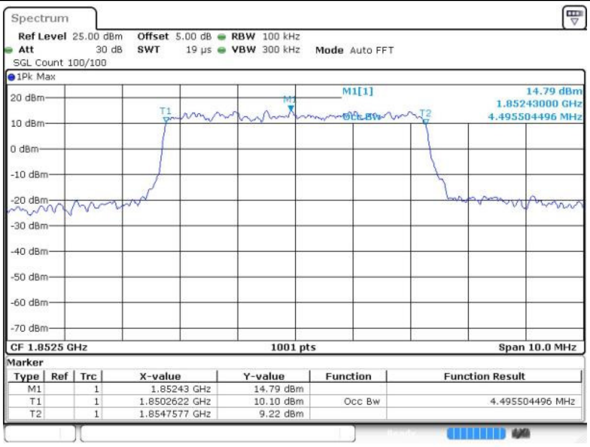


Highest Channel / 3MHz / 16QAM



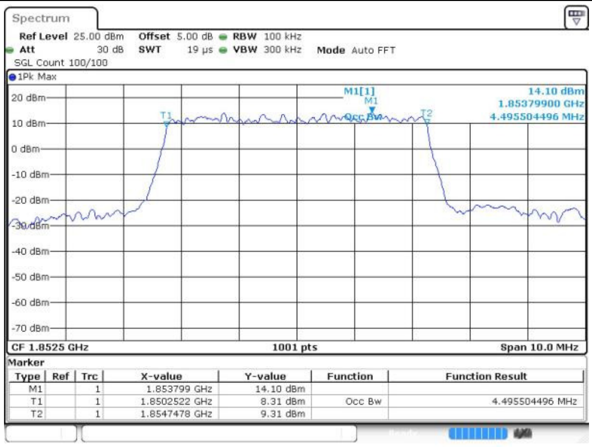
LTE Band 2

Lowest Channel / 5MHz / QPSK



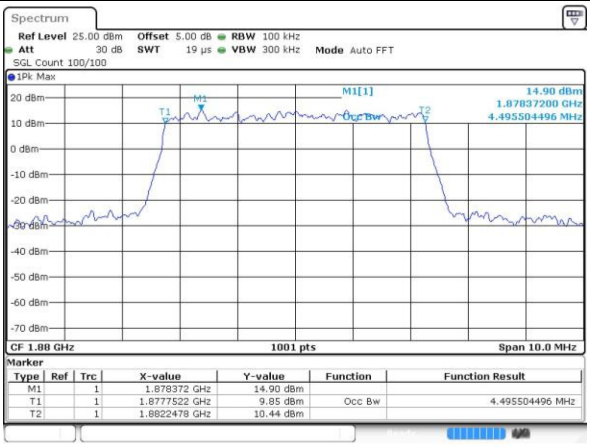
Date: 13.APR.2016 11:48:35

Lowest Channel / 5MHz / 16QAM



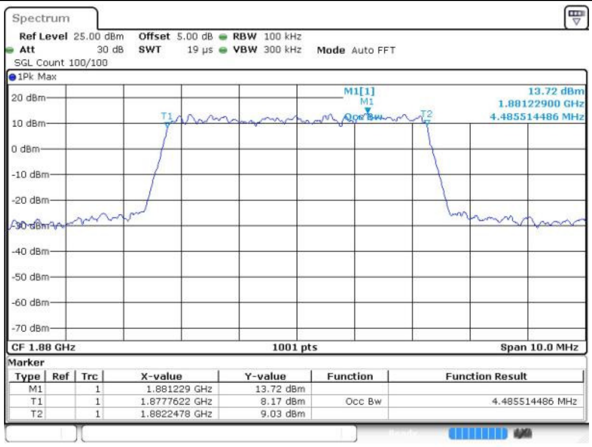
Date: 13.APR.2016 11:48:45

Middle Channel / 5MHz / QPSK



Date: 13.APR.2016 11:55:39

Middle Channel / 5MHz / 16QAM



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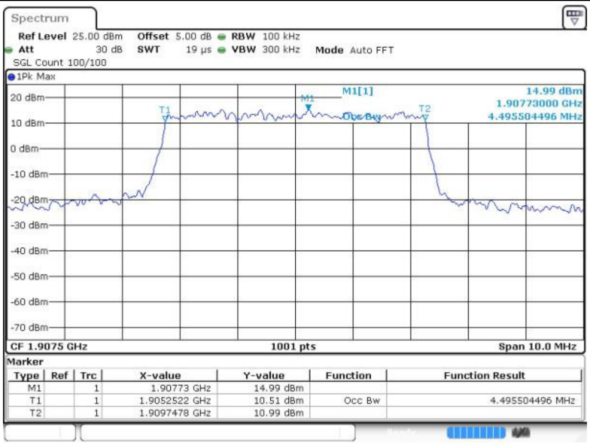
Highest Channel / 5MHz / QPSK



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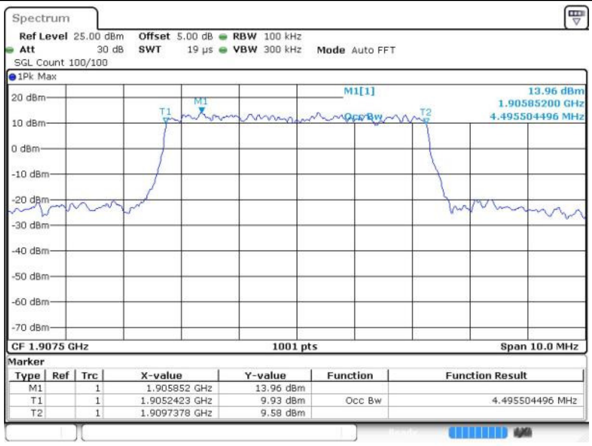
Highest Channel / 5MHz / 16QAM



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