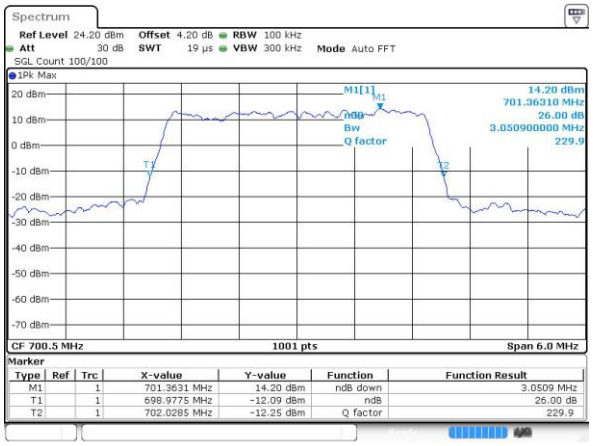
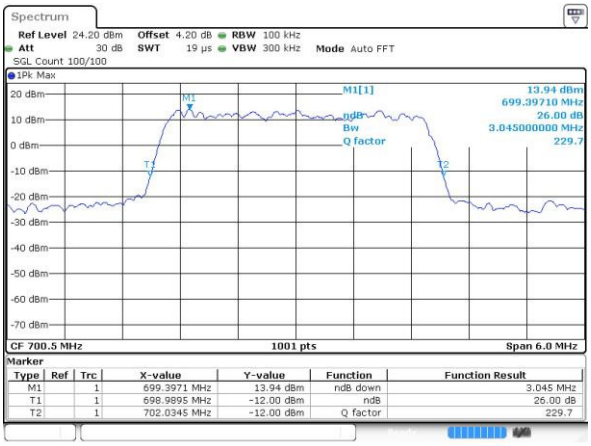
LTE Band 12

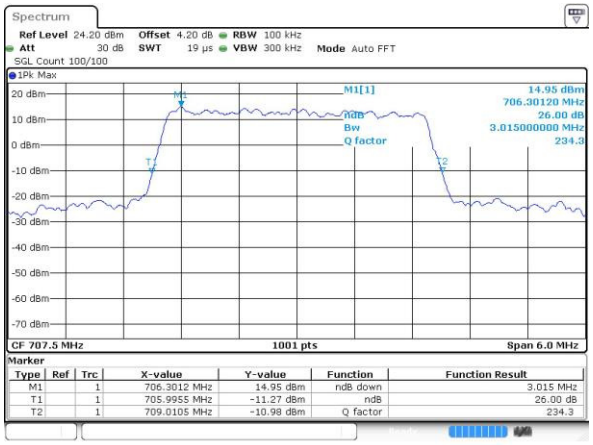
Lowest Channel / 3MHz / QPSK



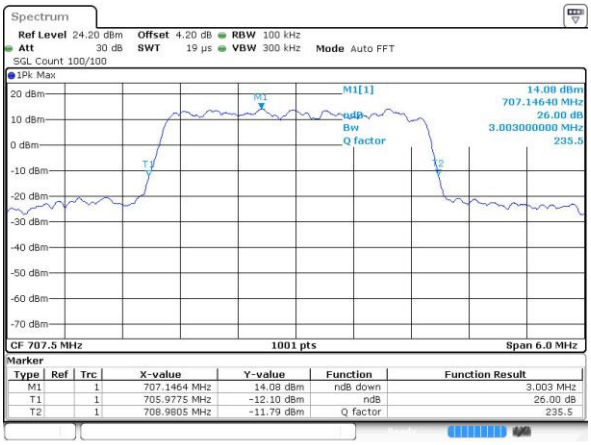
Lowest Channel / 3MHz / 16QAM



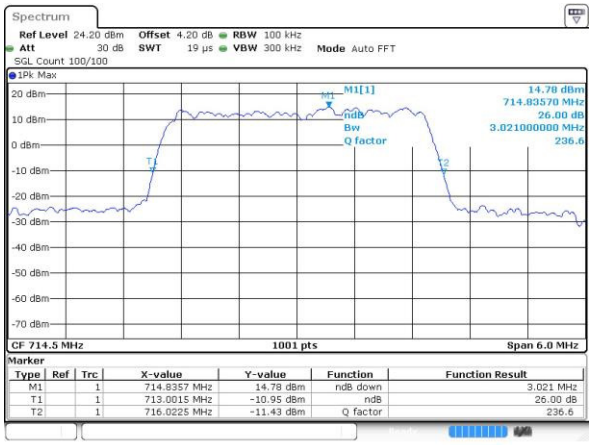
Middle Channel / 3MHz / QPSK



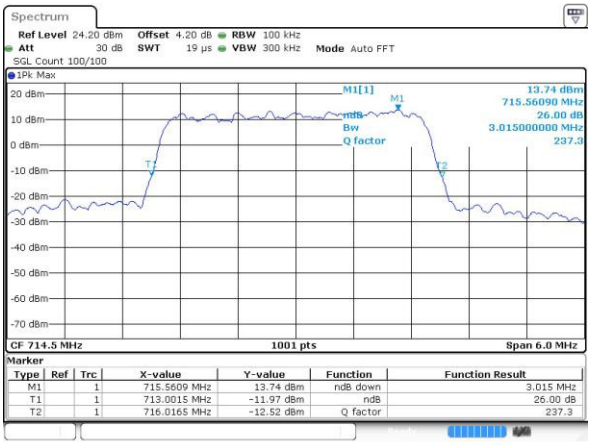
Middle Channel /3MHz / 16QAM



Highest Channel /3MHz / QPSK

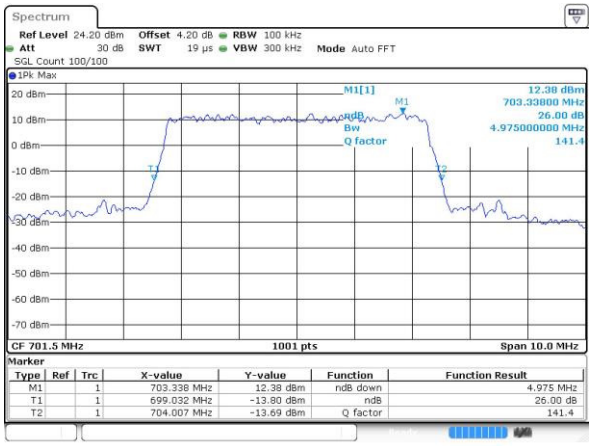


Highest Channel /3MHz / 16QAM

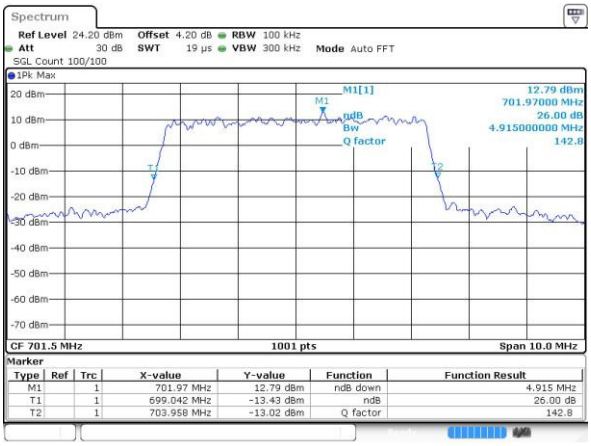


LTE Band 12

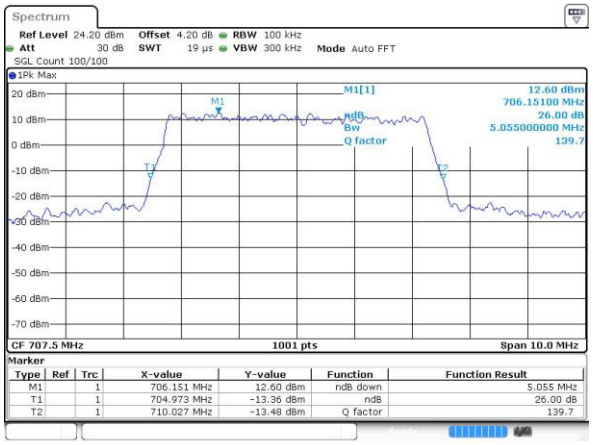
Lowest Channel / 5MHz / QPSK



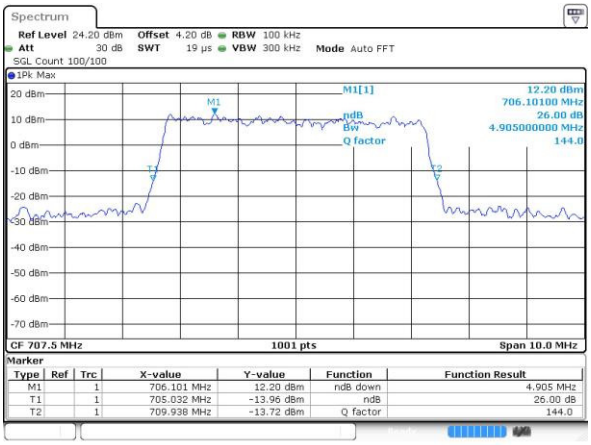
Lowest Channel / 5MHz / 16QAM



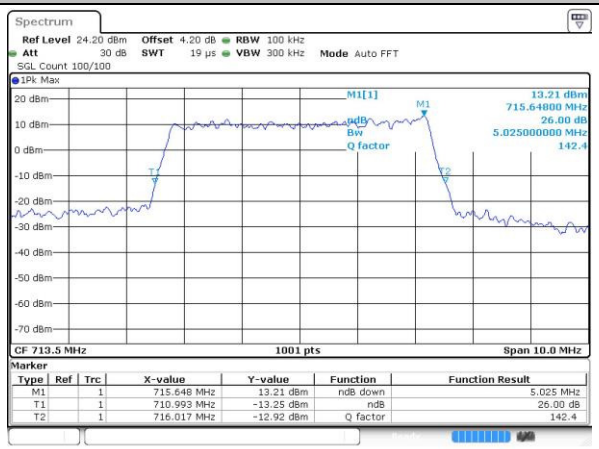
Middle Channel / 5MHz / QPSK



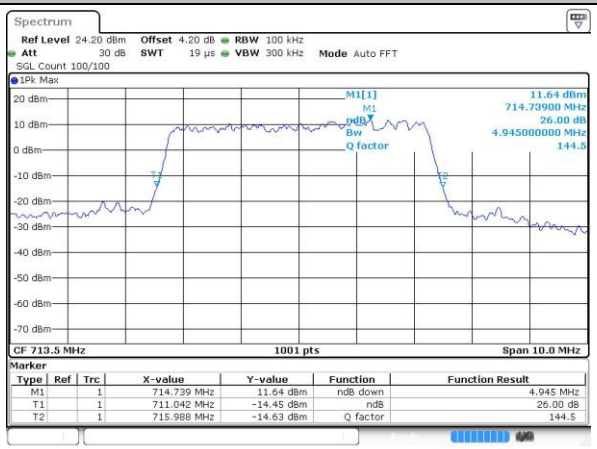
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

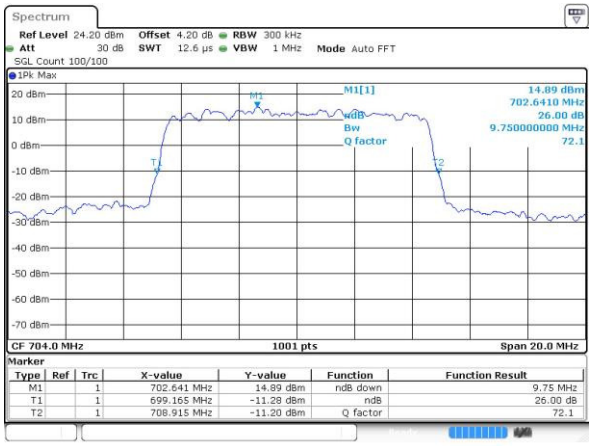


Highest Channel / 5MHz / 16QAM

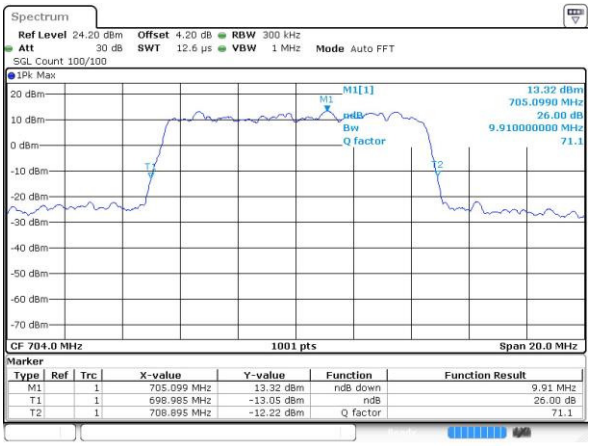


LTE Band 12

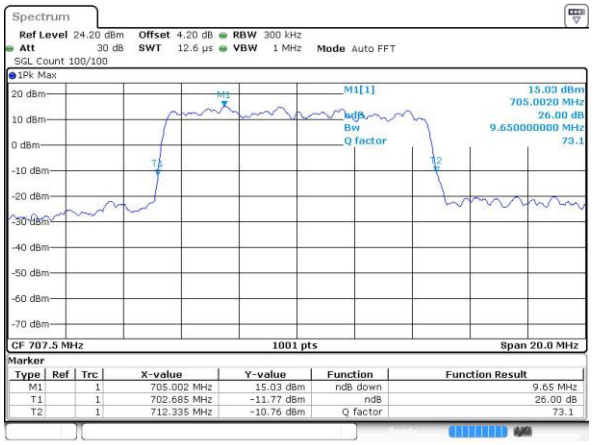
Lowest Channel / 10MHz / QPSK



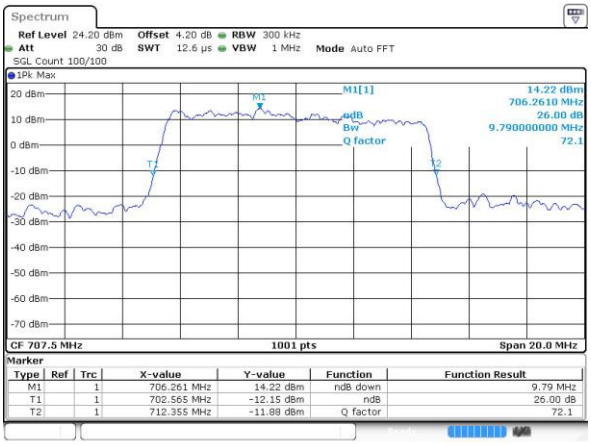
Lowest Channel / 10MHz / 16QAM



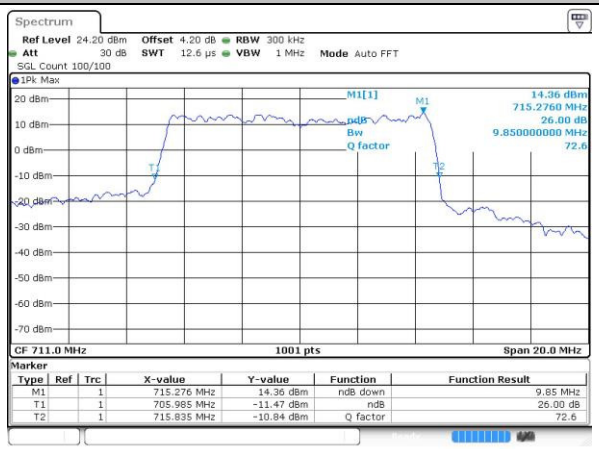
Middle Channel / 10MHz / QPSK



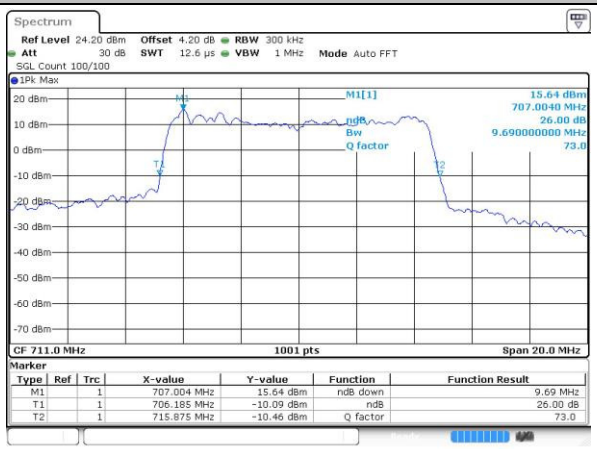
Middle Channel / 10MHz / 16QAM



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	1.10	2.72	2.72	4.50	4.50	9.03	8.99	13.37	13.43	18.30	18.34
Middle CH	1.10	1.10	2.70	2.74	4.48	4.54	9.05	8.95	13.46	13.40	18.30	18.38
Highest CH	1.09	1.09	2.72	2.73	4.51	4.50	9.01	8.97	13.43	13.43	18.34	18.30

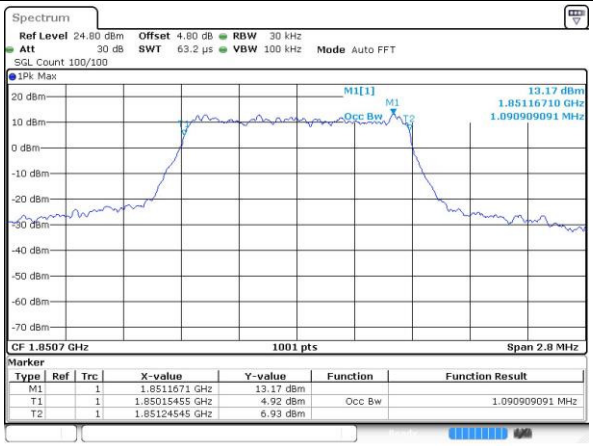
Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.10	2.70	2.73	4.53	4.49	9.03	8.99	13.52	13.37	18.42	18.42
Middle CH	1.09	1.10	2.72	2.72	4.49	4.51	8.97	8.97	13.46	13.40	18.22	18.50
Highest CH	1.09	1.09	2.72	2.73	4.52	4.51	9.09	9.01	13.43	13.37	18.34	18.34

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	1.10	2.73	2.72	4.50	4.50	9.09	9.01	-	-	-	-
Middle CH	1.09	1.10	2.72	2.71	4.49	4.51	8.89	9.01	-	-	-	-
Highest CH	1.09	1.09	2.74	2.72	4.50	4.50	8.99	9.01	-	-	-	-

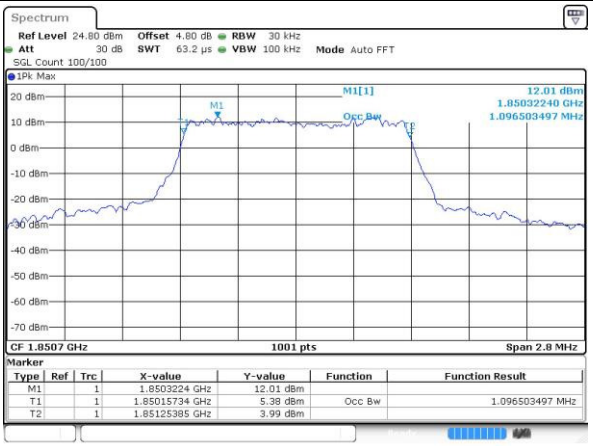
Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.10	1.10	2.72	2.72	4.52	4.51	8.99	8.97	-	-	-	-
Middle CH	1.10	1.09	2.72	2.74	4.49	4.50	9.03	9.01	-	-	-	-
Highest CH	1.09	1.09	2.70	2.73	4.49	4.49	9.05	9.05	-	-	-	-

LTE Band 2

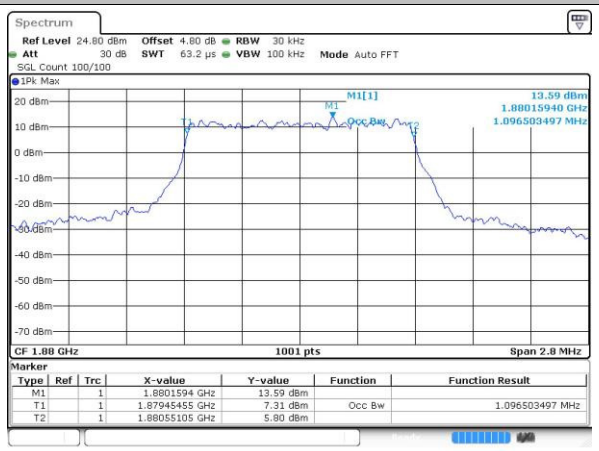
Lowest Channel / 1.4MHz / QPSK



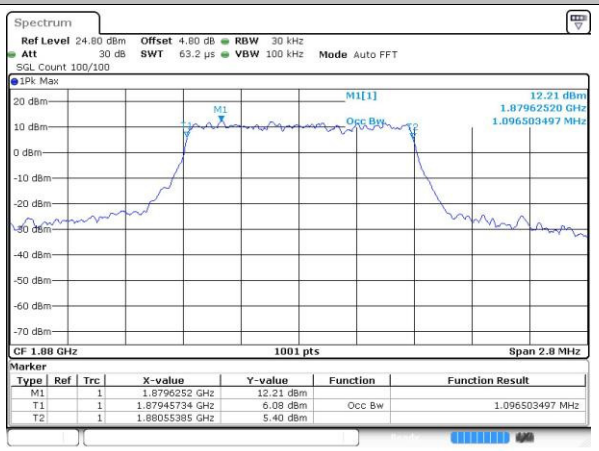
Lowest Channel / 1.4MHz / 16QAM



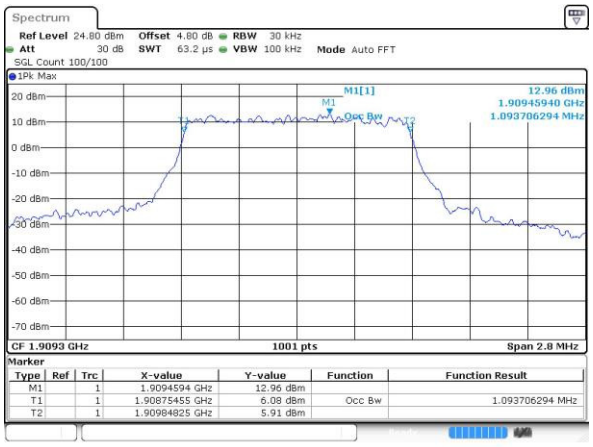
Middle Channel / 1.4MHz / QPSK



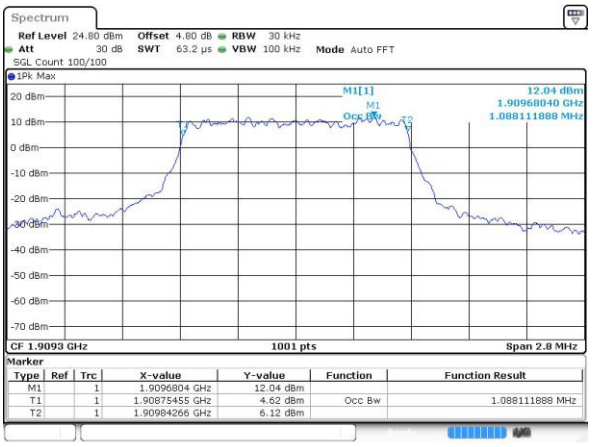
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

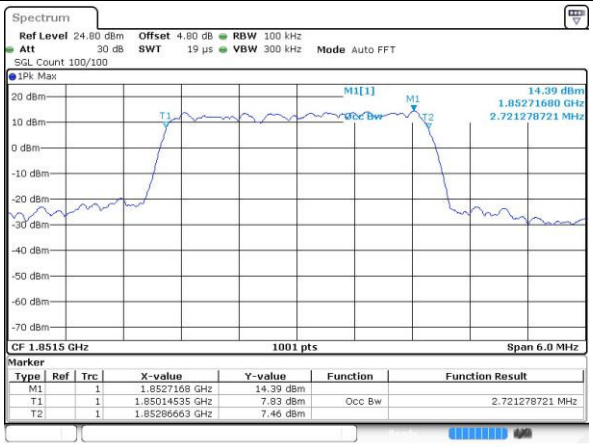


Highest Channel / 1.4MHz / 16QAM



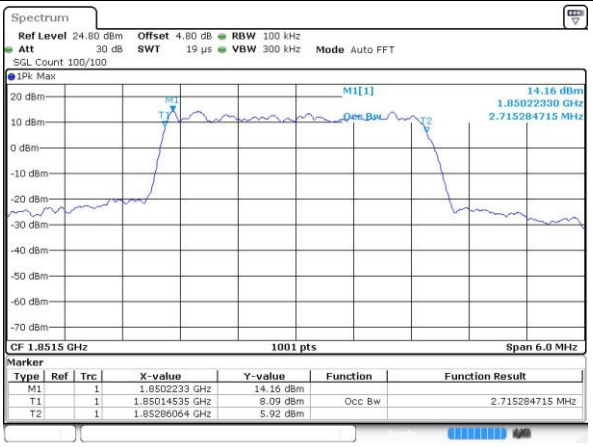
LTE Band 2

Lowest Channel / 3MHz / QPSK



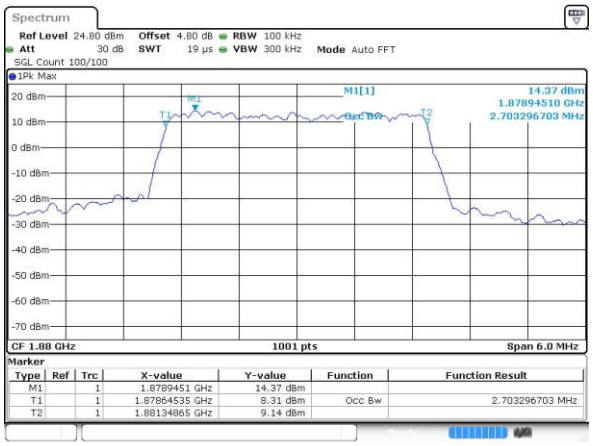
Date: 20.JAN.2016 15:11:09

Lowest Channel / 3MHz / 16QAM



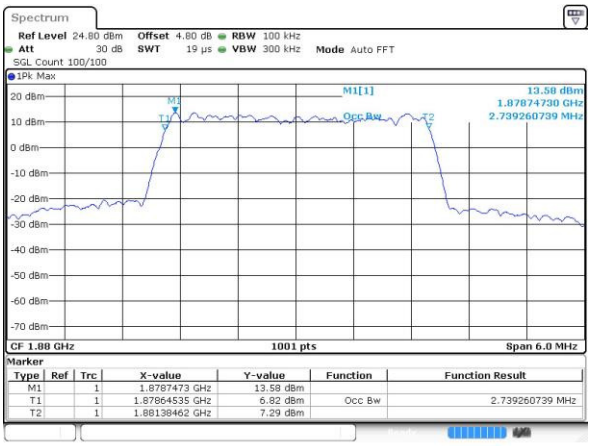
Date: 20.JAN.2016 15:11:20

Middle Channel / 3MHz / QPSK



Date: 20.JAN.2016 15:18:15

Middle Channel / 3MHz / 16QAM



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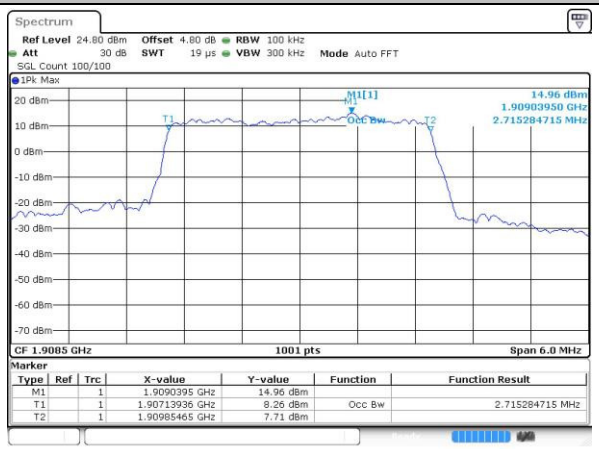
Highest Channel / 3MHz / QPSK



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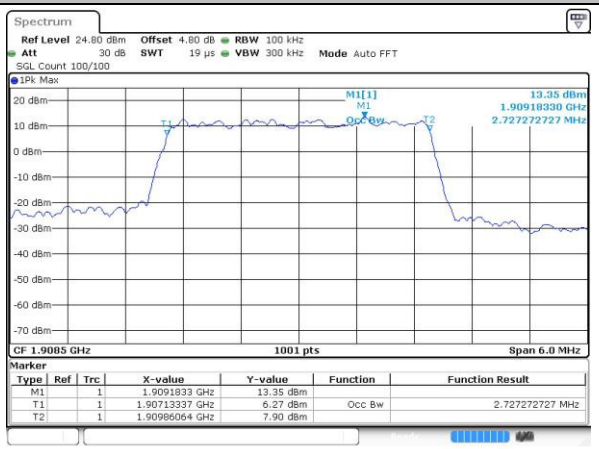
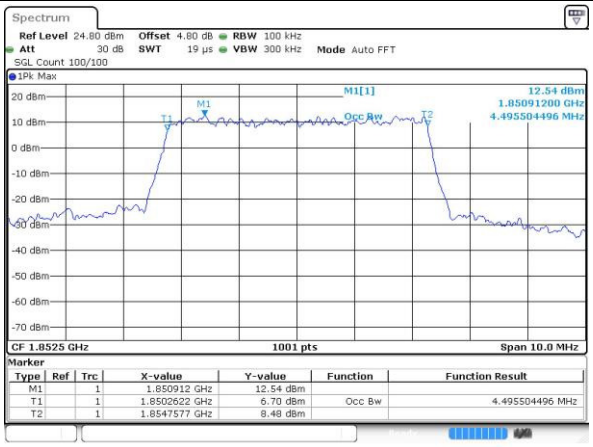
Highest Channel / 3MHz / 16QAM



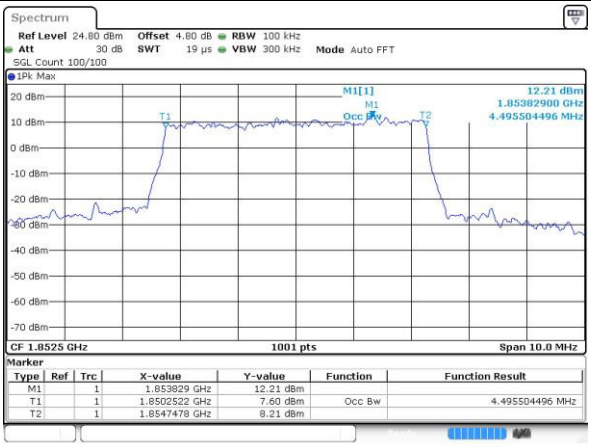
Date: 20.JAN.2016 15:20:58

LTE Band 2

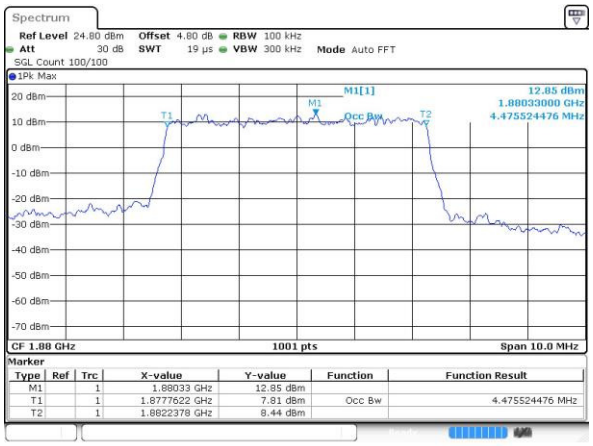
Lowest Channel / 5MHz / QPSK



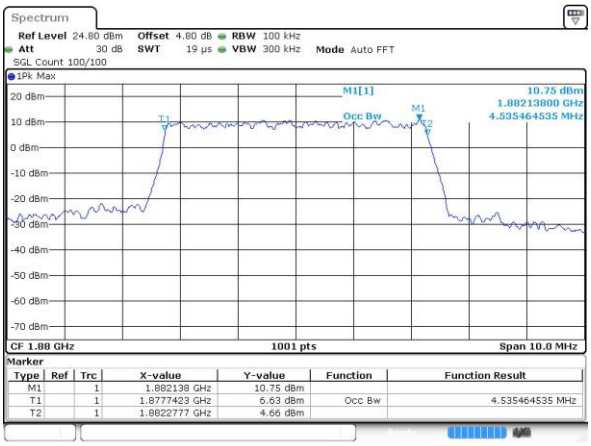
Lowest Channel / 5MHz / 16QAM



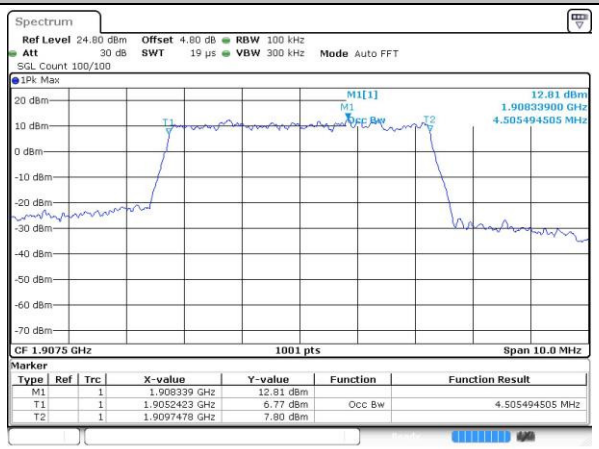
Middle Channel / 5MHz / QPSK



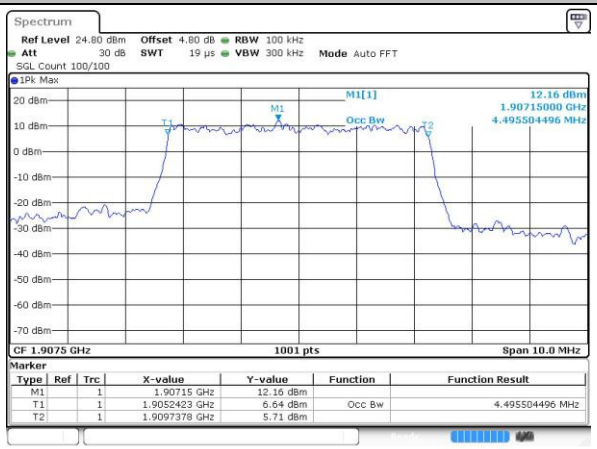
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

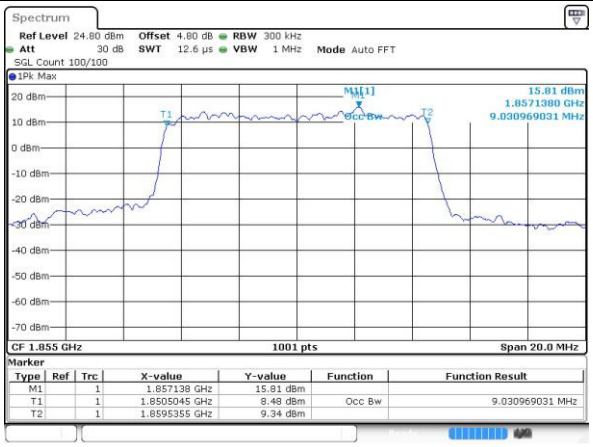


Highest Channel / 5MHz / 16QAM

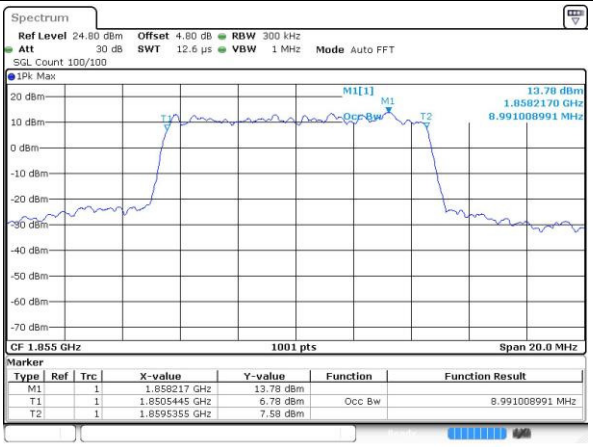


LTE Band 2

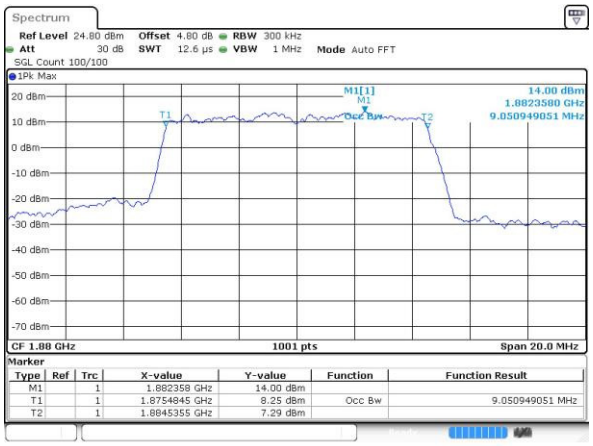
Lowest Channel / 10MHz / QPSK



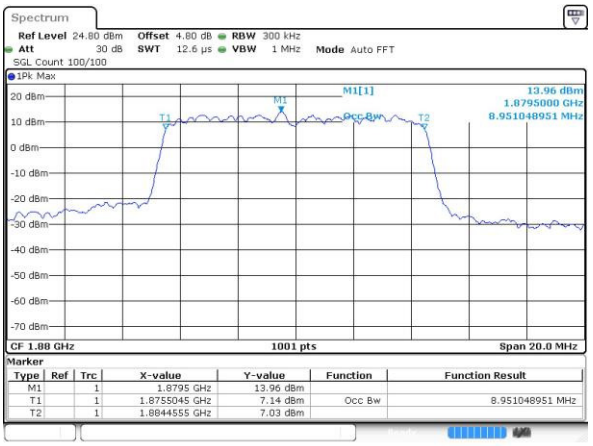
Lowest Channel / 10MHz / 16QAM



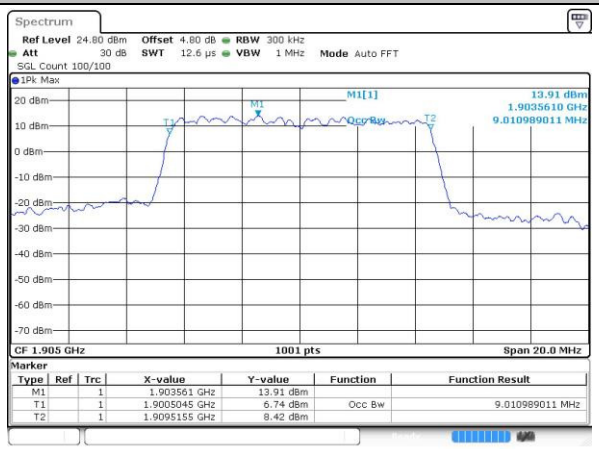
Middle Channel / 10MHz / QPSK



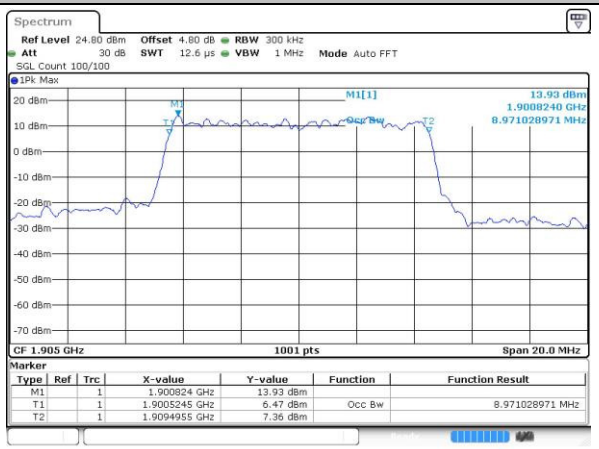
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

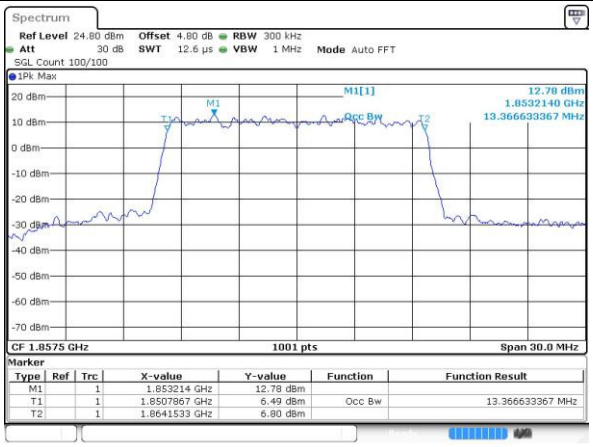


Highest Channel / 10MHz / 16QAM

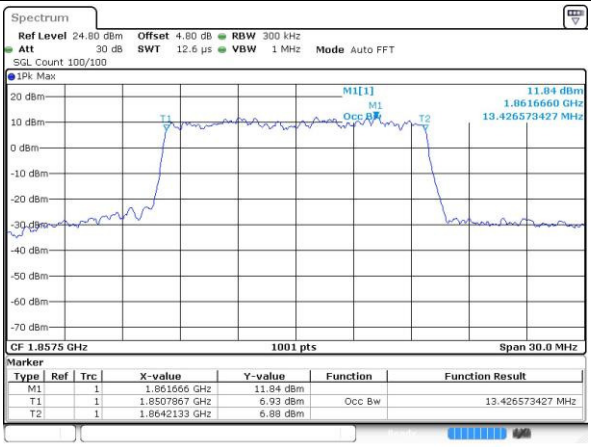


LTE Band 2

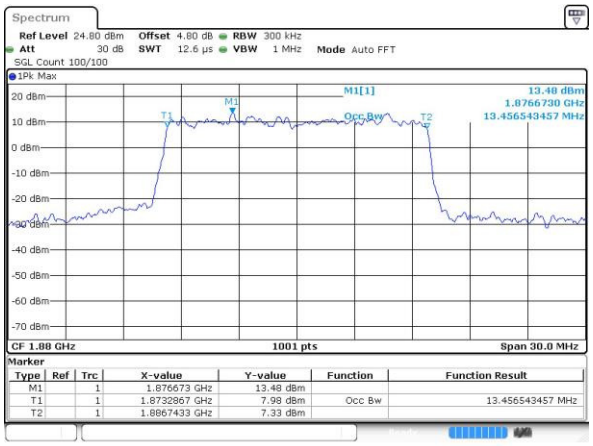
Lowest Channel / 15MHz / QPSK



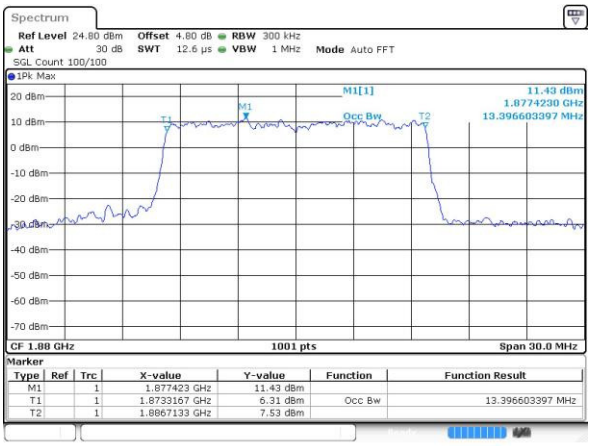
Lowest Channel / 15MHz / 16QAM



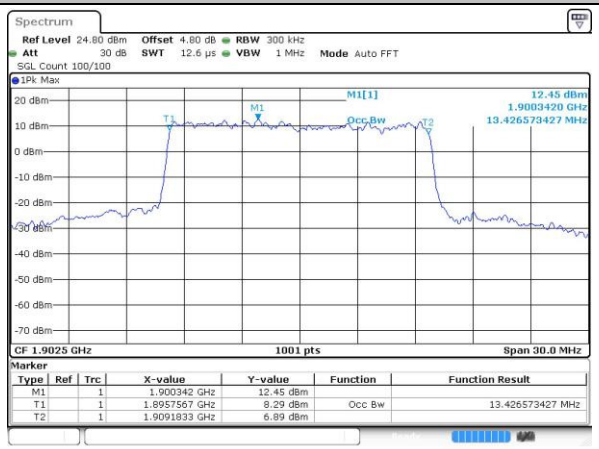
Middle Channel / 15MHz / QPSK



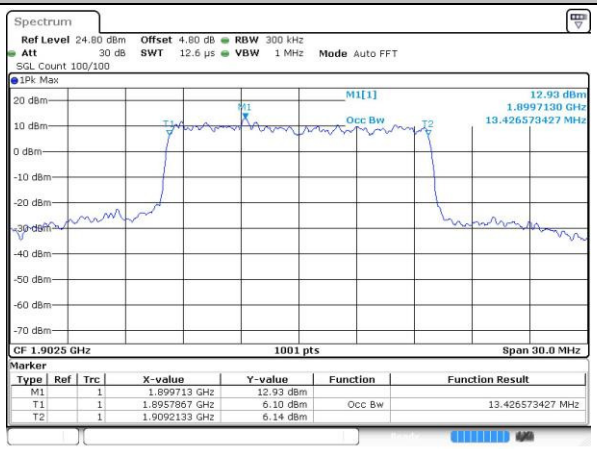
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

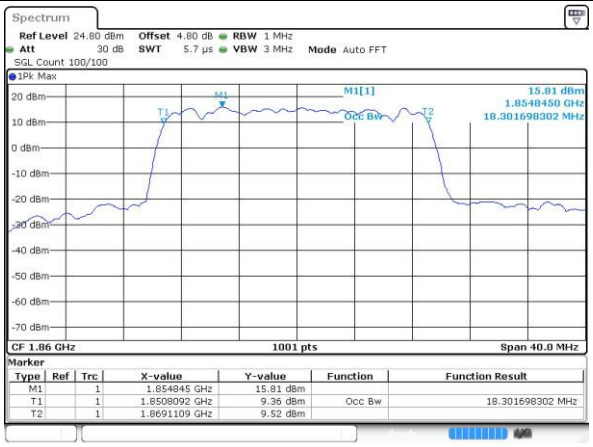


Highest Channel / 15MHz / 16QAM

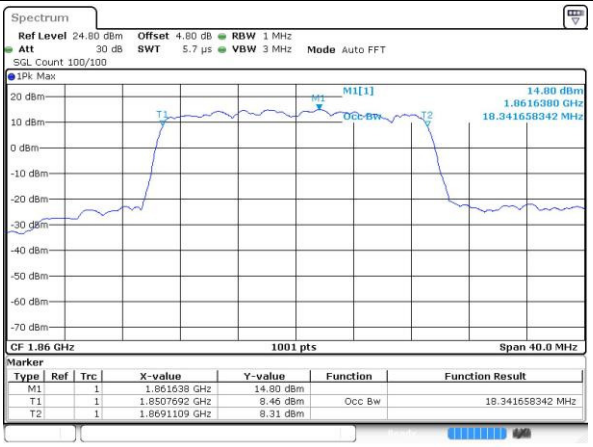


LTE Band 2

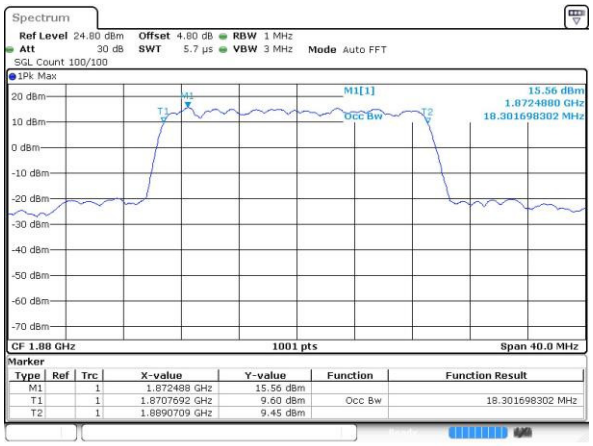
Lowest Channel / 20MHz / QPSK



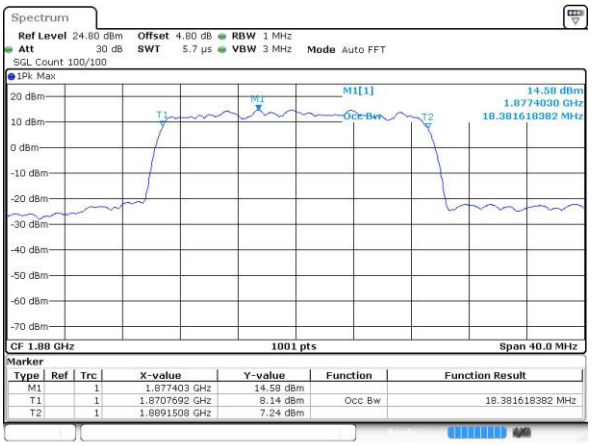
Lowest Channel / 20MHz / 16QAM



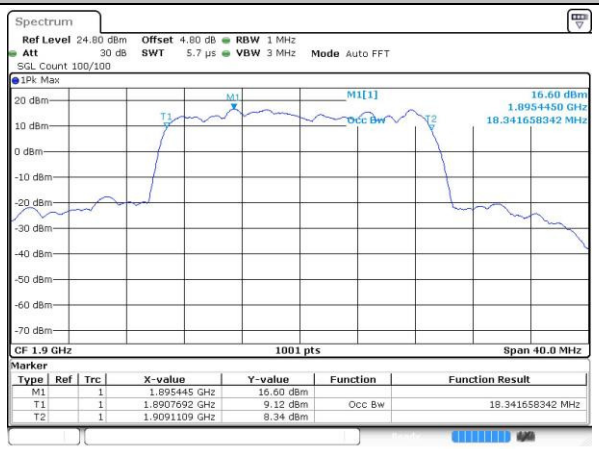
Middle Channel / 20MHz / QPSK



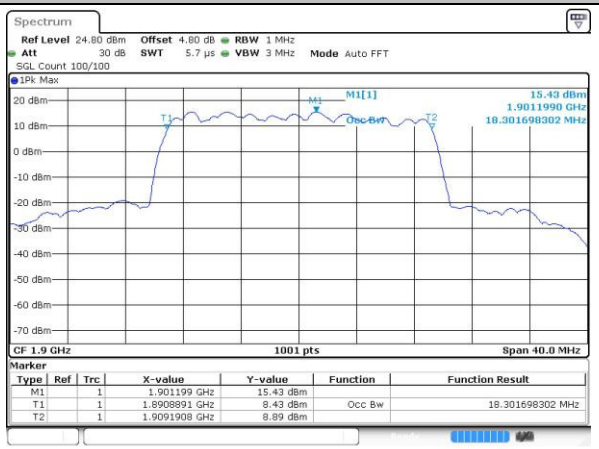
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK

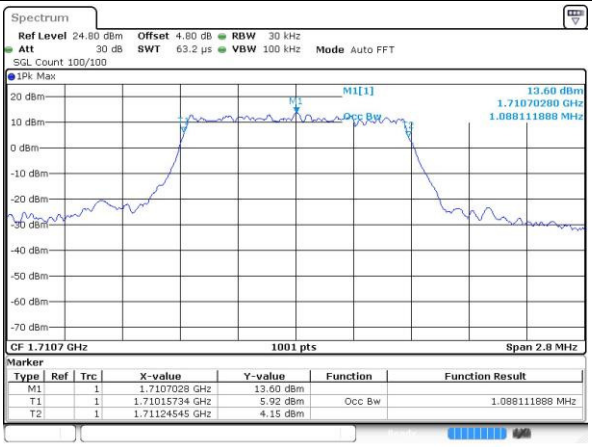


Highest Channel / 20MHz / 16QAM



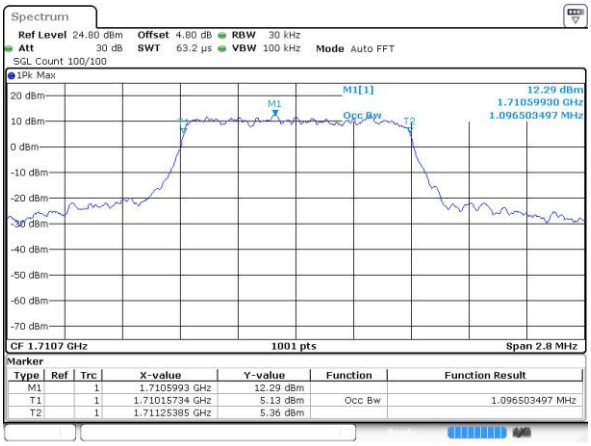
LTE Band 4

Lowest Channel / 1.4MHz / QPSK



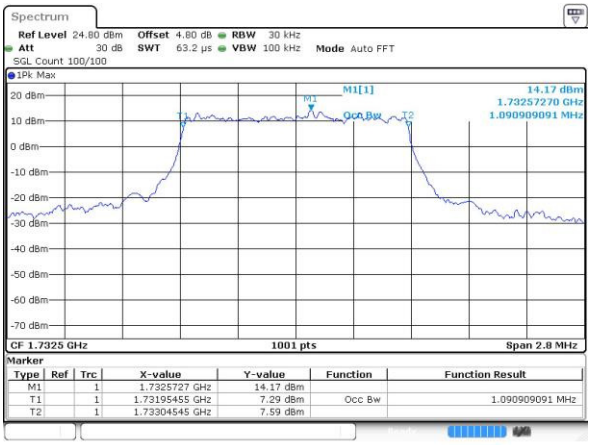
Date: 20.JAN.2016 19:30:40

Lowest Channel / 1.4MHz / 16QAM



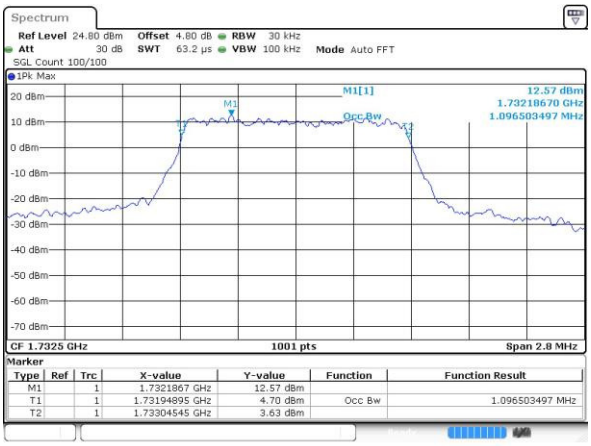
Date: 20.JAN.2016 23:24:53

Middle Channel / 1.4MHz / QPSK



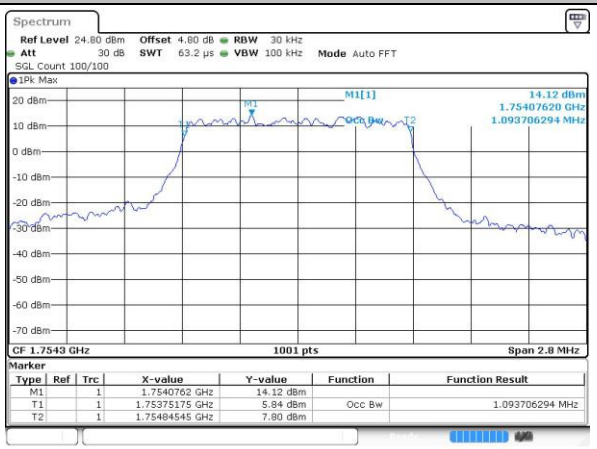
Date: 20.JAN.2016 23:25:46

Middle Channel / 1.4MHz / 16QAM



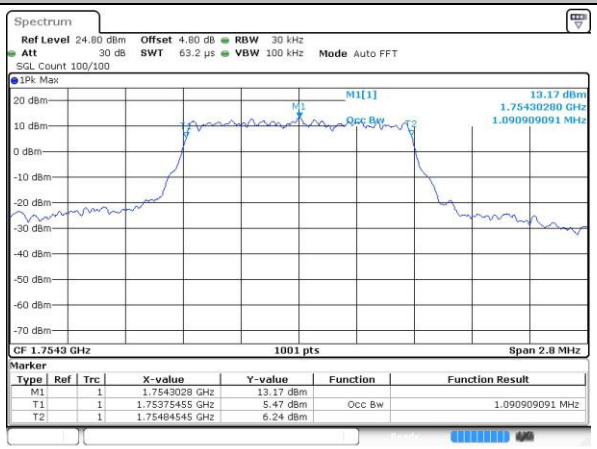
Date: 20.JAN.2016 19:37:58

Highest Channel / 1.4MHz / QPSK



Date: 20.JAN.2016 19:40:21

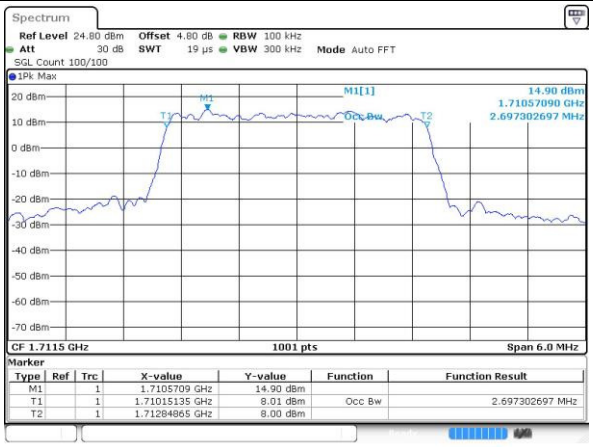
Highest Channel / 1.4MHz / 16QAM



Date: 20.JAN.2016 19:40:32

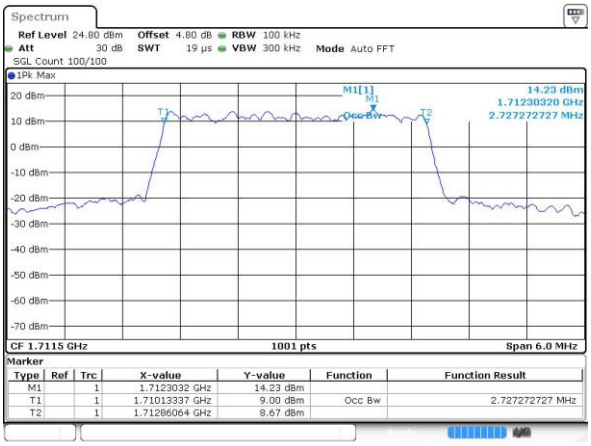
LTE Band 4

Lowest Channel / 3MHz / QPSK



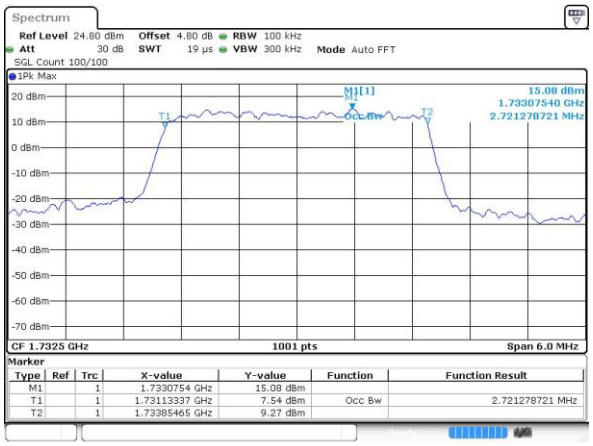
Date: 20.JAN.2016 19:47:27

Lowest Channel / 3MHz / 16QAM



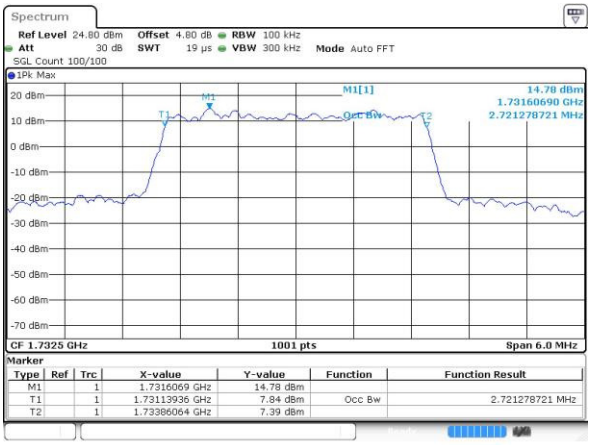
Date: 20.JAN.2016 23:29:07

Middle Channel / 3MHz / QPSK



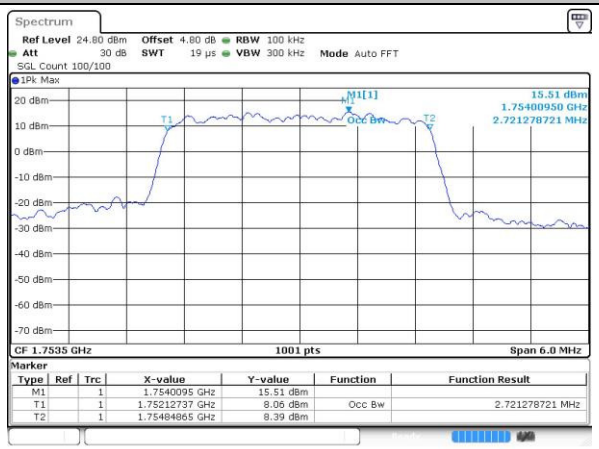
Date: 20.JAN.2016 19:54:34

Middle Channel / 3MHz / 16QAM



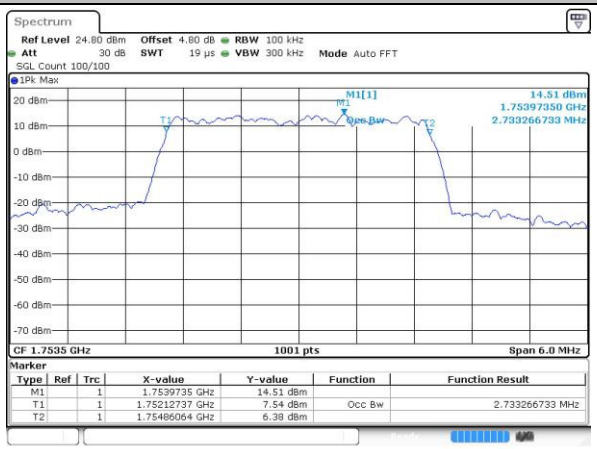
Date: 20.JAN.2016 23:29:48

Highest Channel / 3MHz / QPSK



Date: 20.JAN.2016 19:57:08

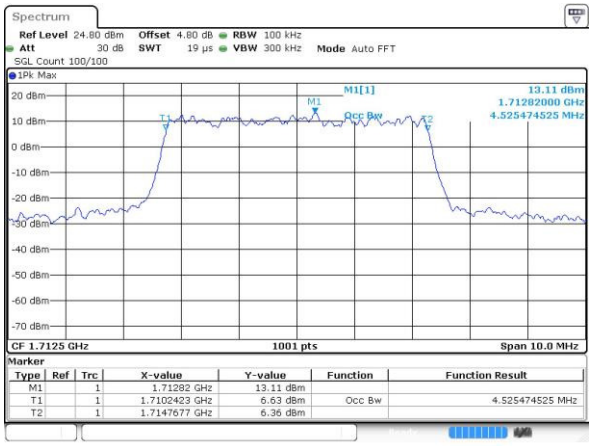
Highest Channel / 3MHz / 16QAM



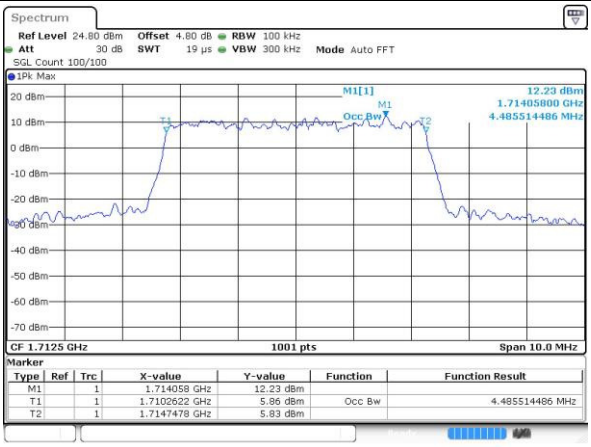
Date: 20.JAN.2016 19:57:19

LTE Band 4

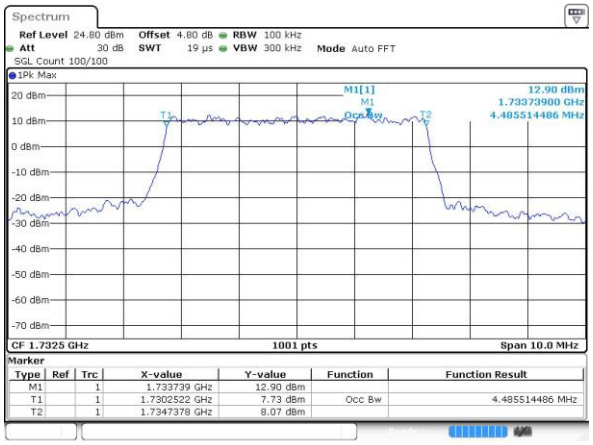
Lowest Channel / 5MHz / QPSK



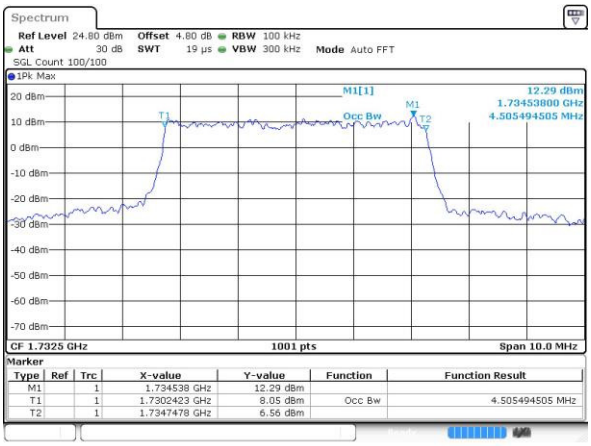
Lowest Channel / 5MHz / 16QAM



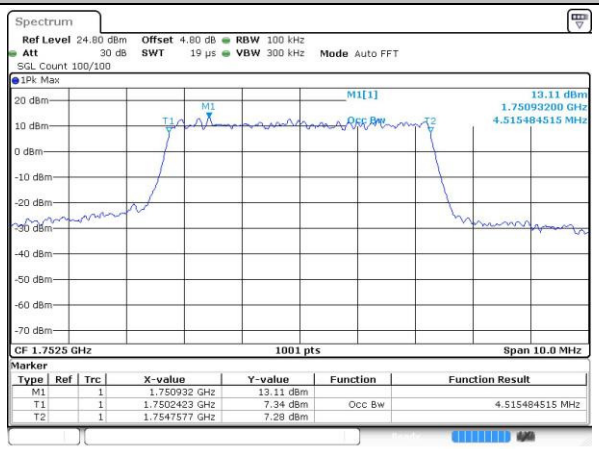
Middle Channel / 5MHz / QPSK



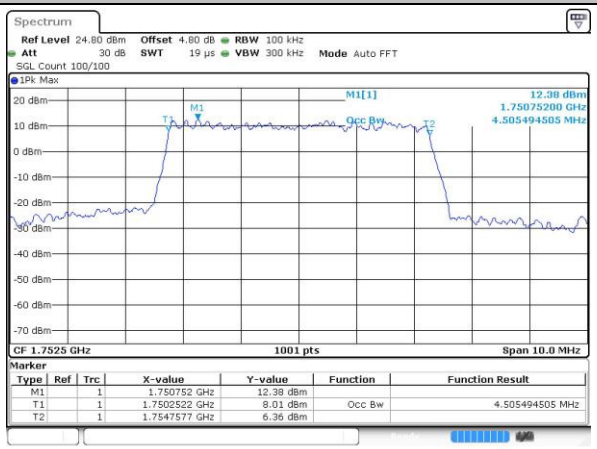
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

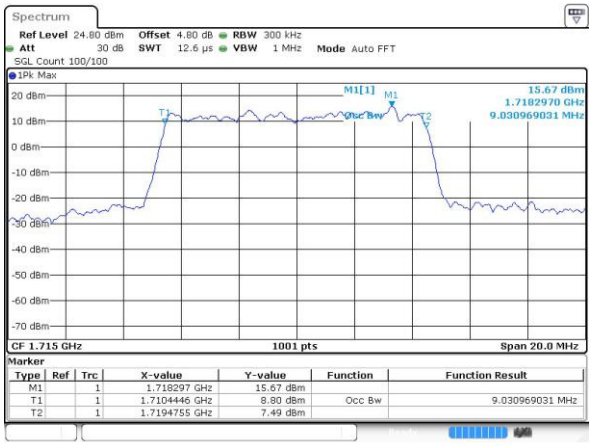


Highest Channel / 5MHz / 16QAM

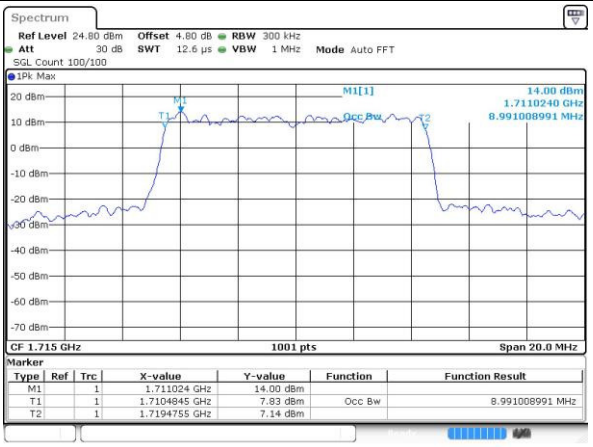


LTE Band 4

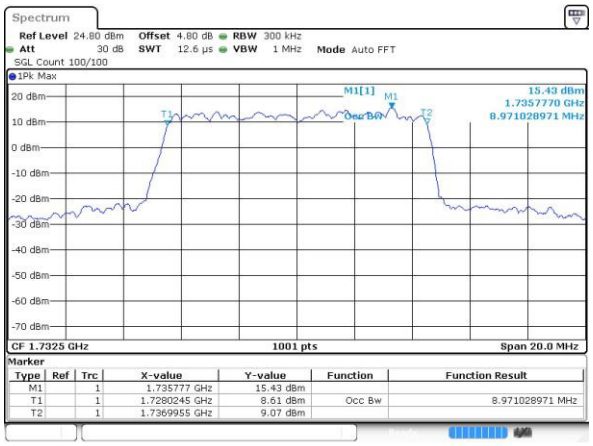
Lowest Channel / 10MHz / QPSK



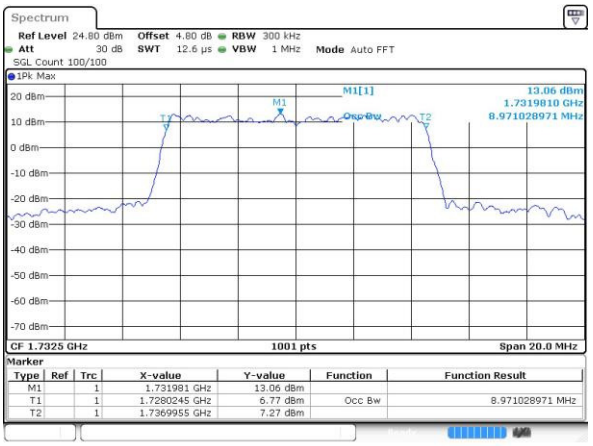
Lowest Channel / 10MHz / 16QAM



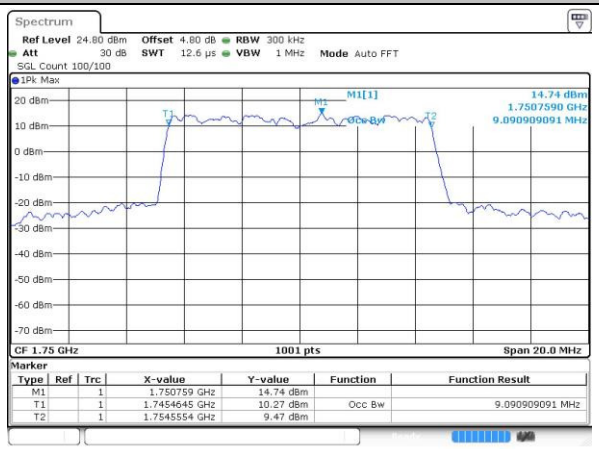
Middle Channel / 10MHz / QPSK



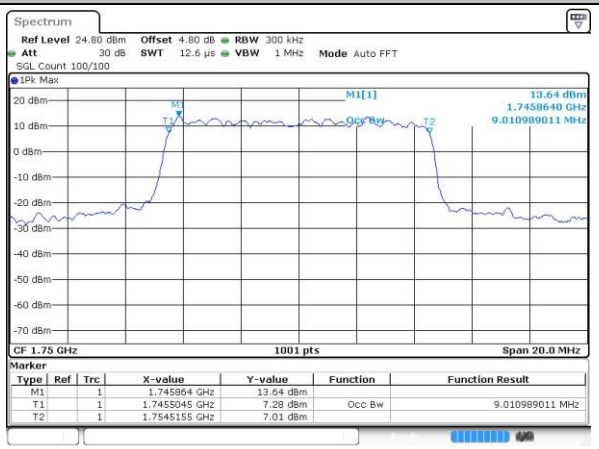
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

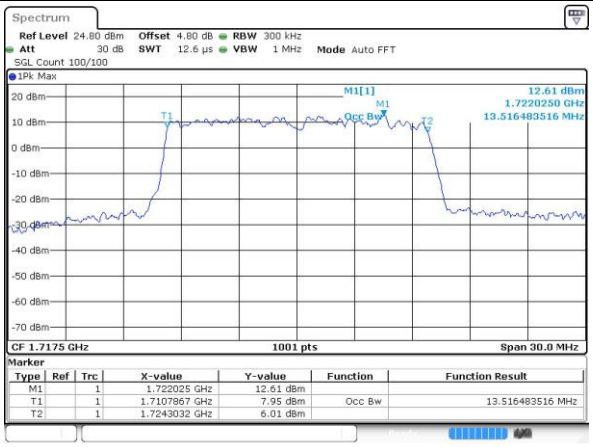


Highest Channel / 10MHz / 16QAM



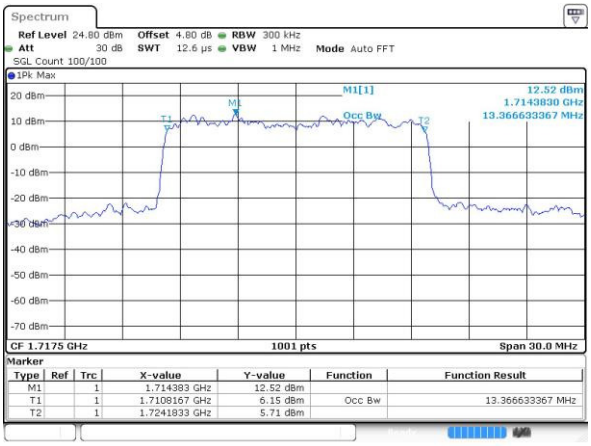
LTE Band 4

Lowest Channel / 15MHz / QPSK



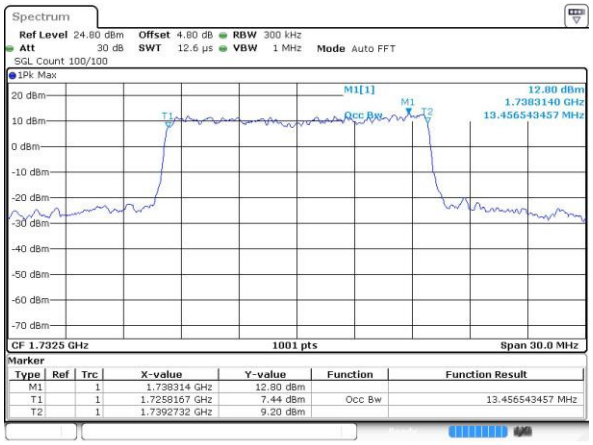
Date: 20.JAN.2016 20:37:48

Lowest Channel / 15MHz / 16QAM



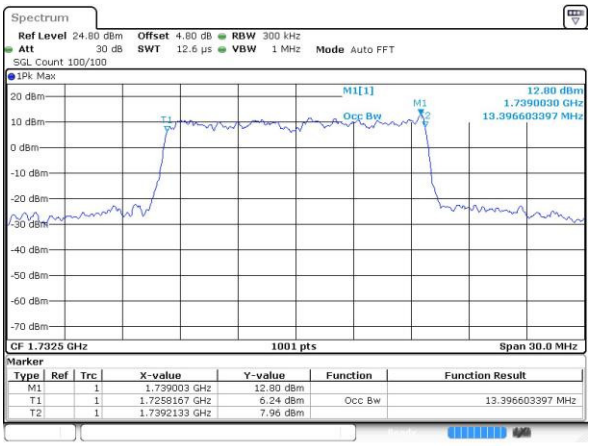
Date: 20.JAN.2016 23:37:34

Middle Channel / 15MHz / QPSK



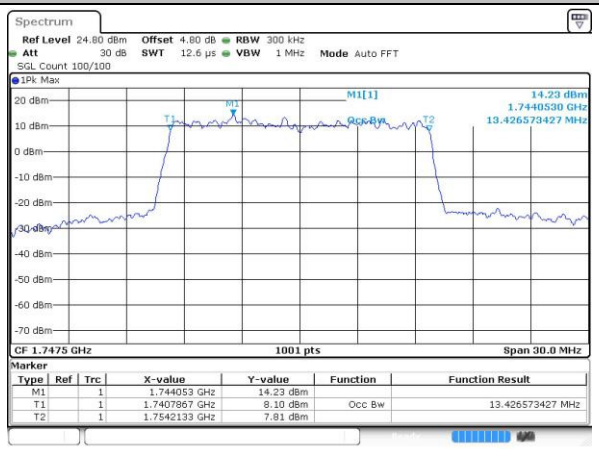
Date: 20.JAN.2016 23:38:25

Middle Channel / 15MHz / 16QAM



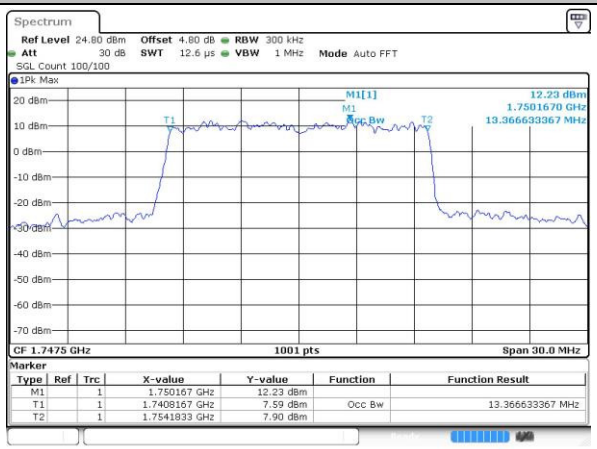
Date: 20.JAN.2016 20:45:06

Highest Channel / 15MHz / QPSK



Date: 20.JAN.2016 20:47:29

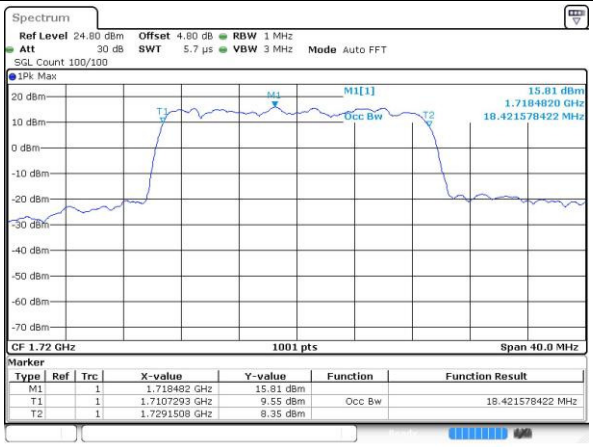
Highest Channel / 15MHz / 16QAM



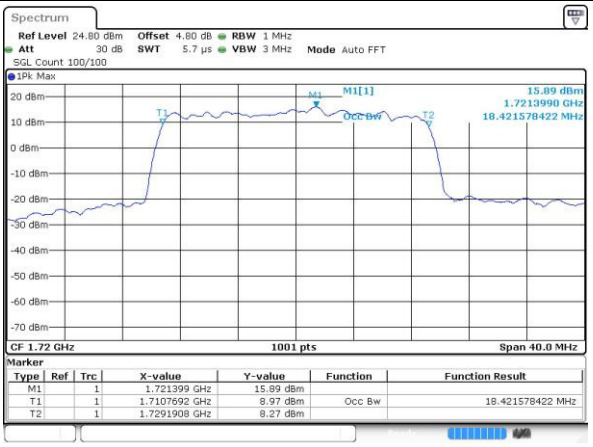
Date: 20.JAN.2016 20:47:40

LTE Band 4

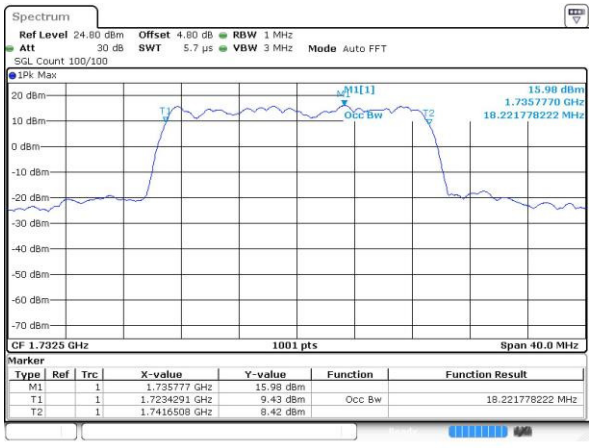
Lowest Channel / 20MHz / QPSK



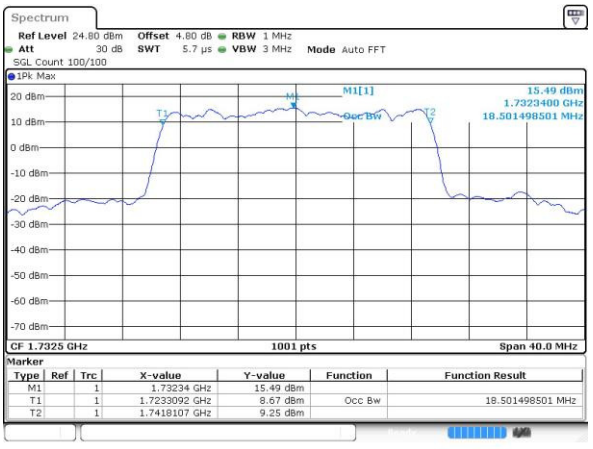
Lowest Channel / 20MHz / 16QAM



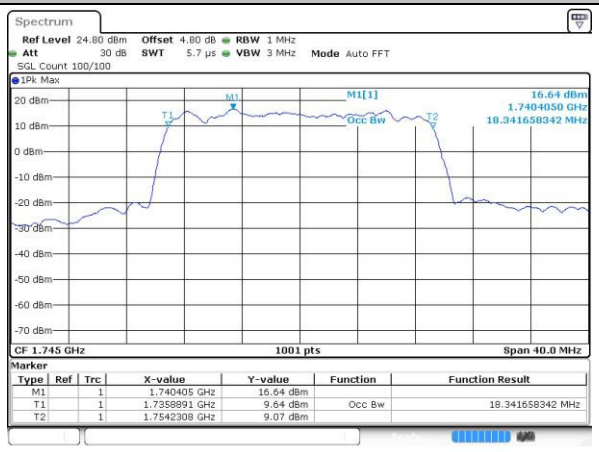
Middle Channel / 20MHz / QPSK



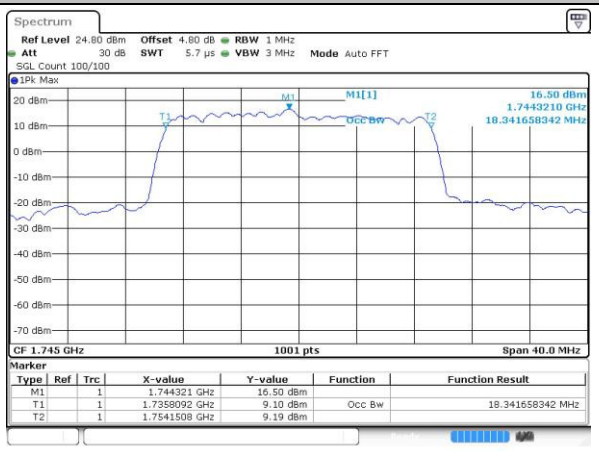
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK

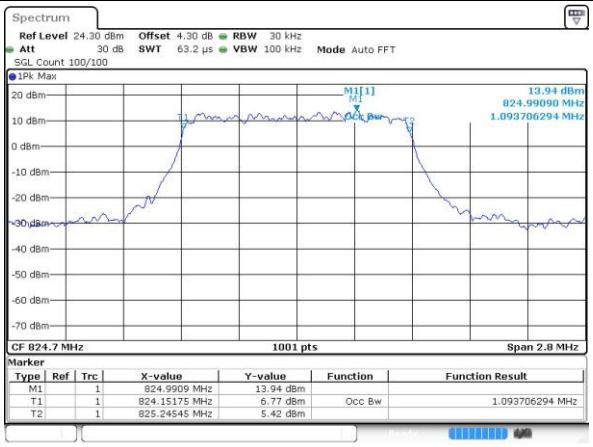


Highest Channel / 20MHz / 16QAM



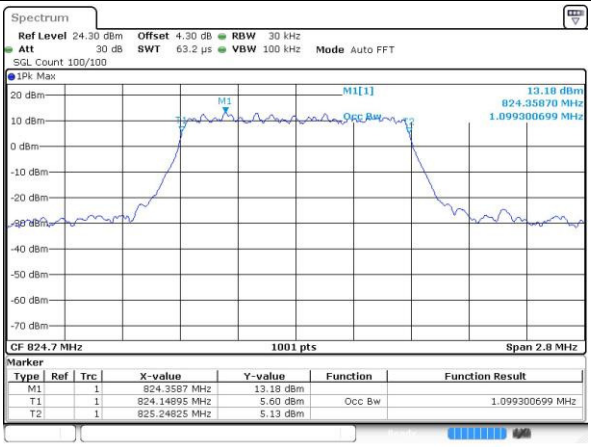
LTE Band 5

Lowest Channel / 1.4MHz / QPSK



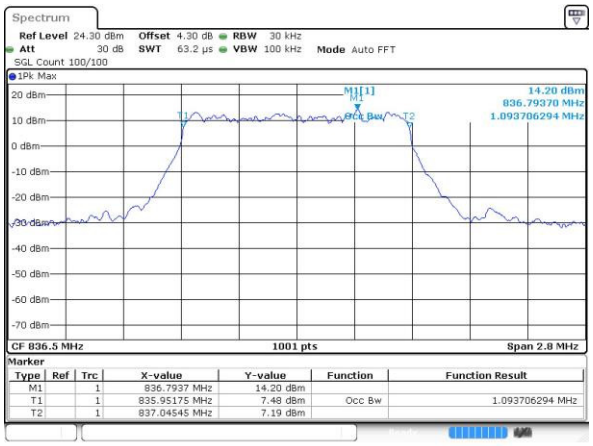
Date: 20.JAN.2016 10:57:10

Lowest Channel / 1.4MHz / 16QAM



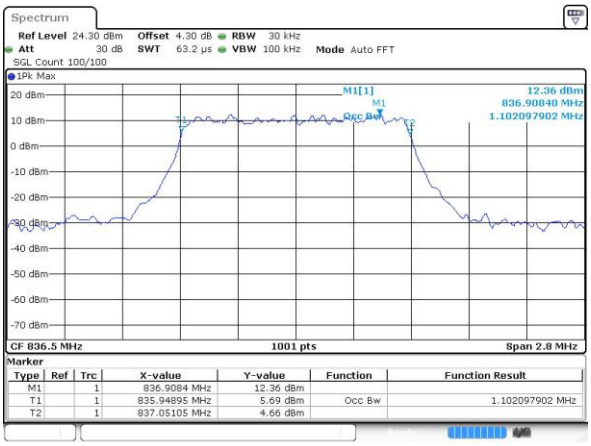
Date: 20.JAN.2016 10:57:21

Middle Channel / 1.4MHz / QPSK



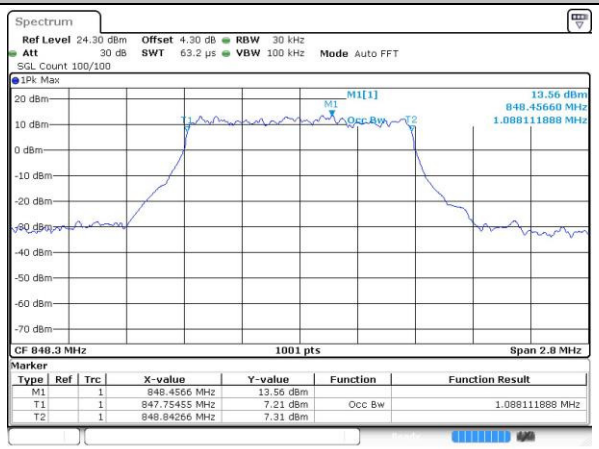
Date: 20.JAN.2016 11:07:46

Middle Channel / 1.4MHz / 16QAM



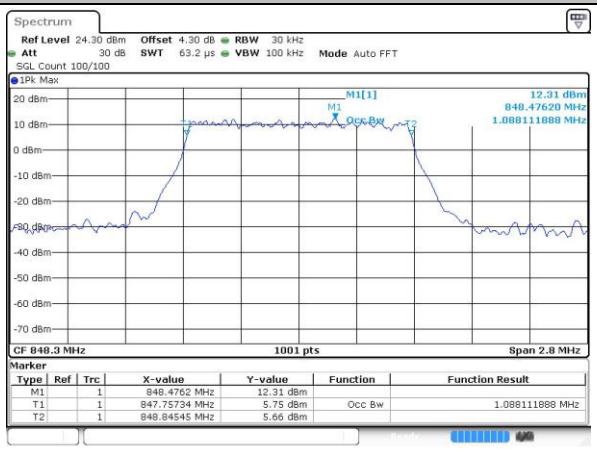
Date: 20.JAN.2016 11:07:56

Highest Channel / 1.4MHz / QPSK



Date: 20.JAN.2016 11:10:14

Highest Channel / 1.4MHz / 16QAM



Date: 20.JAN.2016 11:10:25