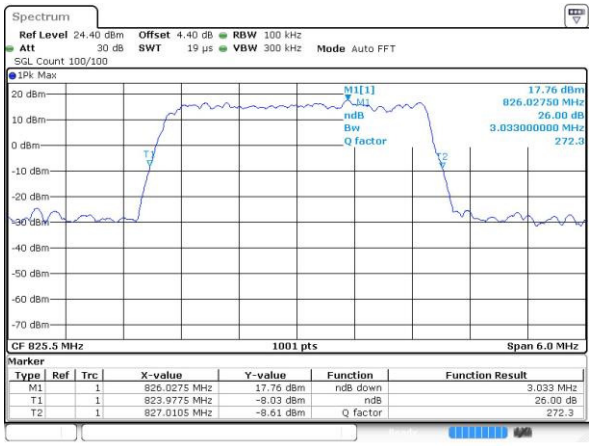
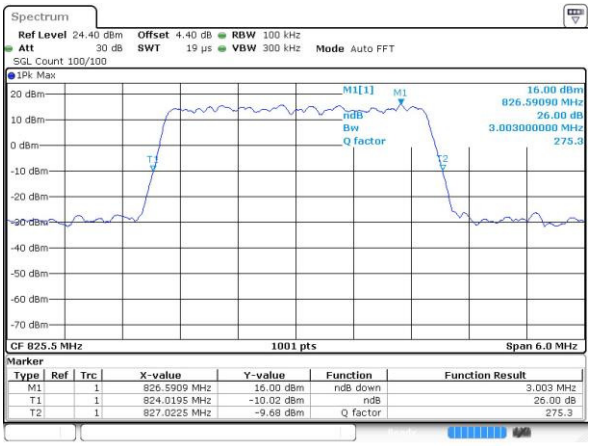
LTE Band 5

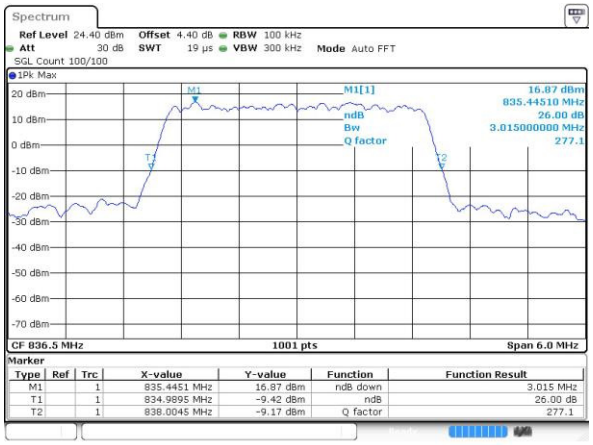
Lowest Channel / 3MHz / QPSK



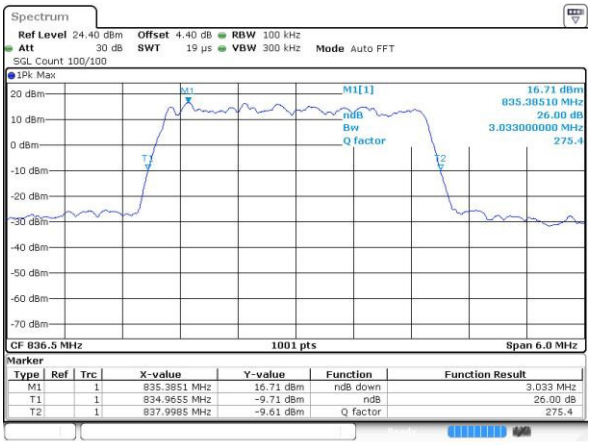
Lowest Channel / 3MHz / 16QAM



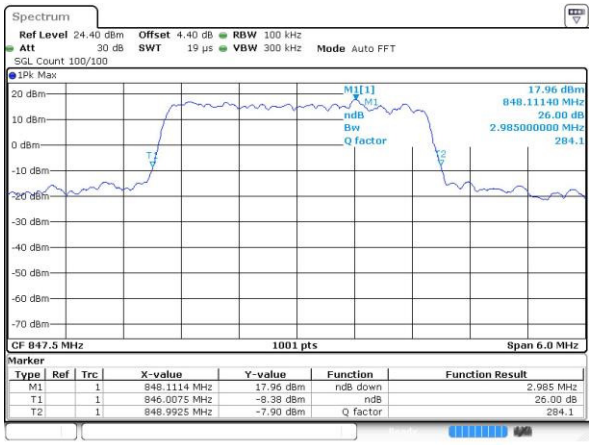
Middle Channel / 3MHz / QPSK



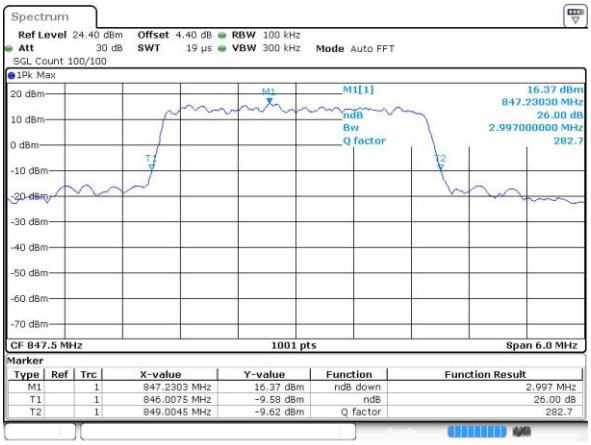
Middle Channel /3MHz / 16QAM



Highest Channel /3MHz / QPSK

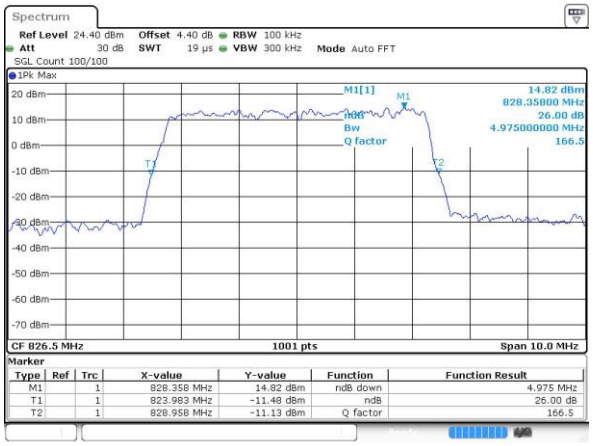


Highest Channel /3MHz / 16QAM

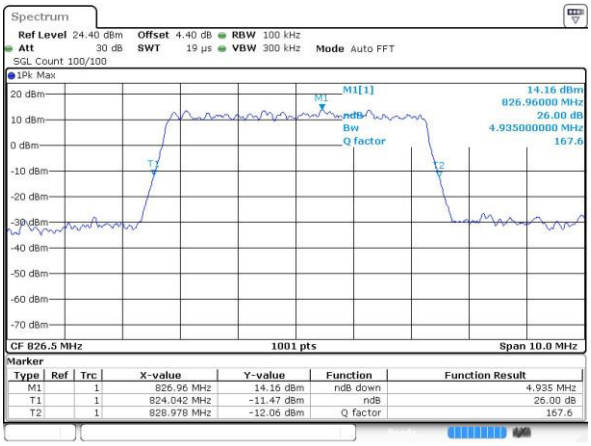


LTE Band 5

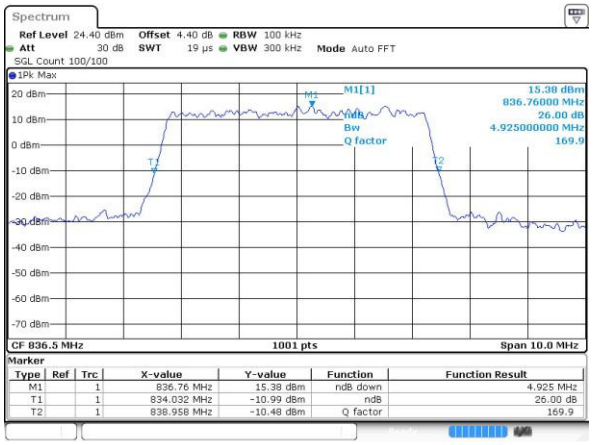
Lowest Channel / 5MHz / QPSK



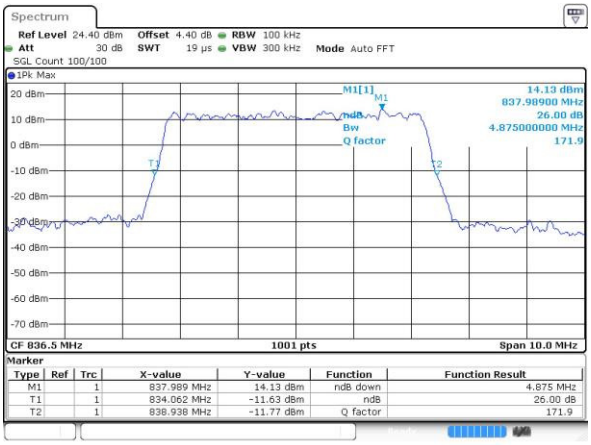
Lowest Channel / 5MHz / 16QAM



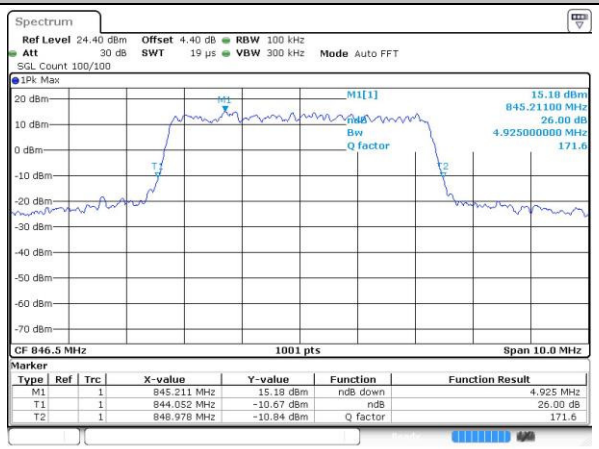
Middle Channel / 5MHz / QPSK



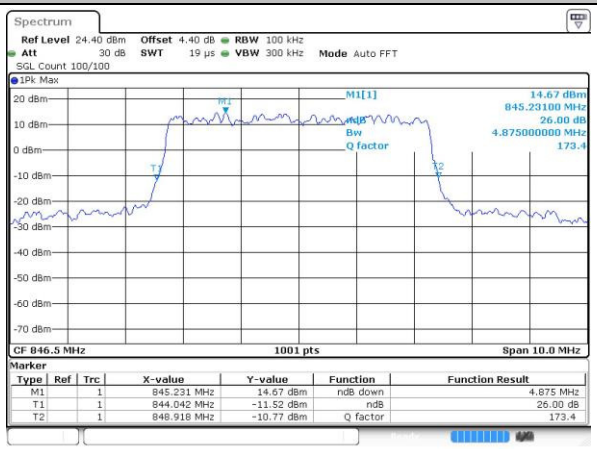
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

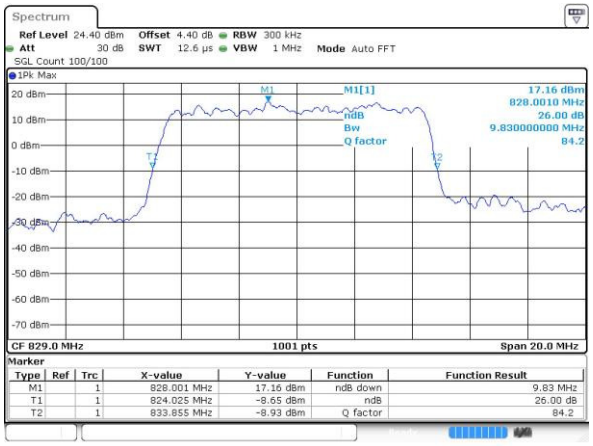


Highest Channel / 5MHz / 16QAM

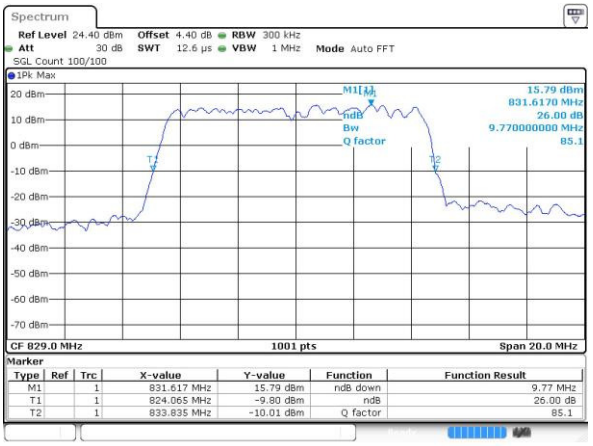


LTE Band 5

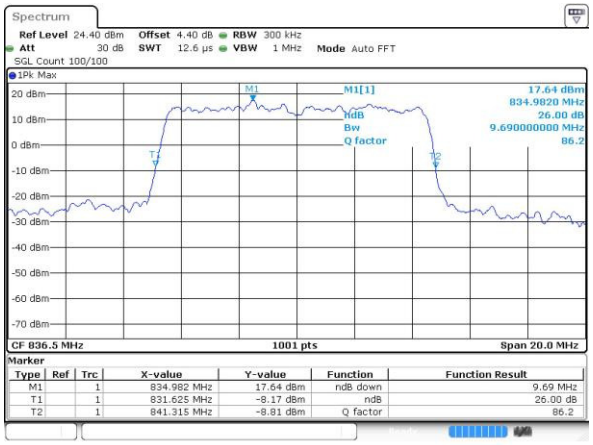
Lowest Channel / 10MHz / QPSK



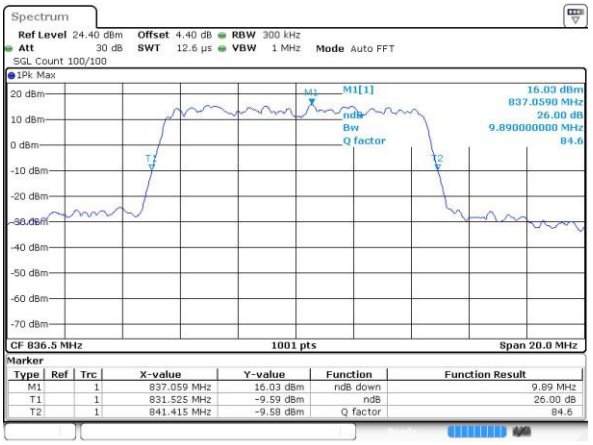
Lowest Channel / 10MHz / 16QAM



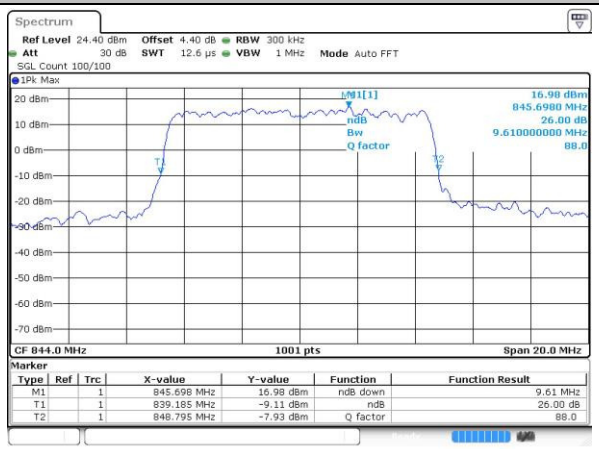
Middle Channel / 10MHz / QPSK



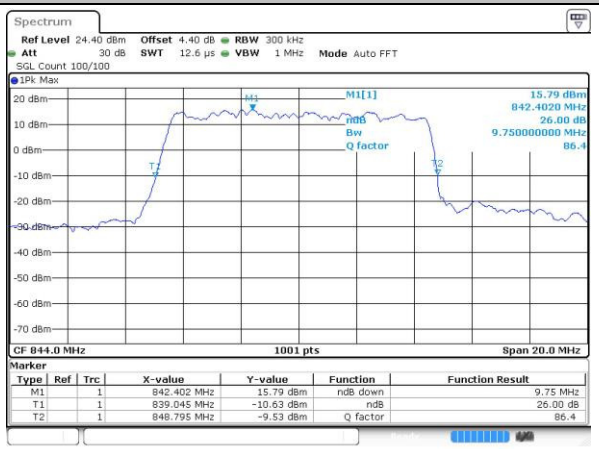
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

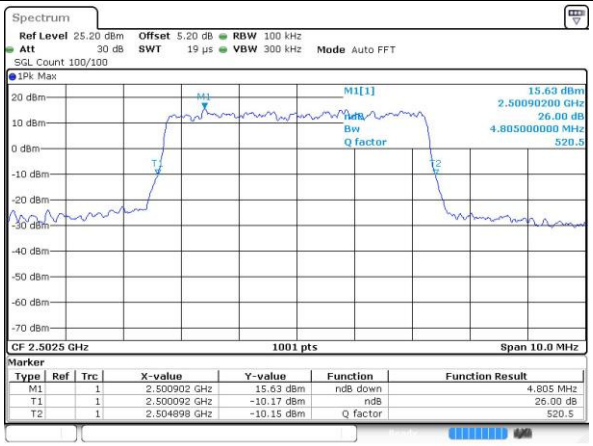


Highest Channel / 10MHz / 16QAM

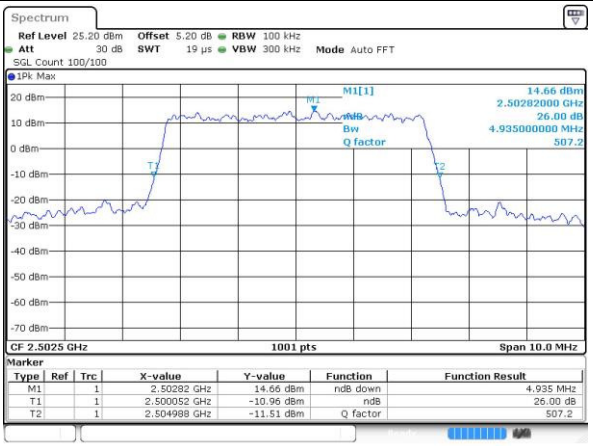


LTE Band 7

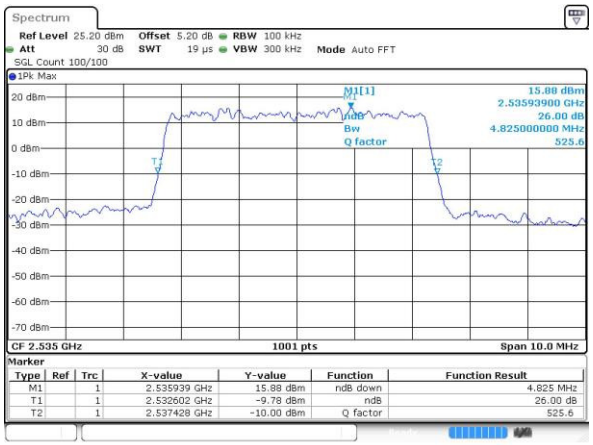
Lowest Channel / 5MHz / QPSK



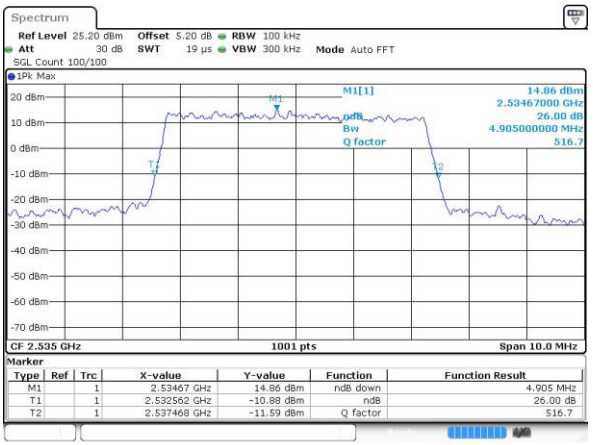
Lowest Channel / 5MHz / 16QAM



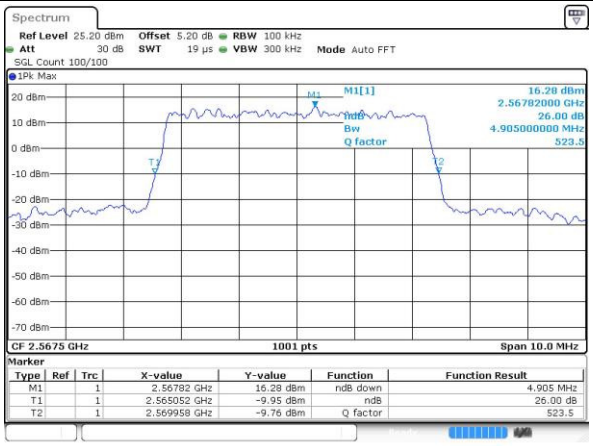
Middle Channel / 5MHz / QPSK



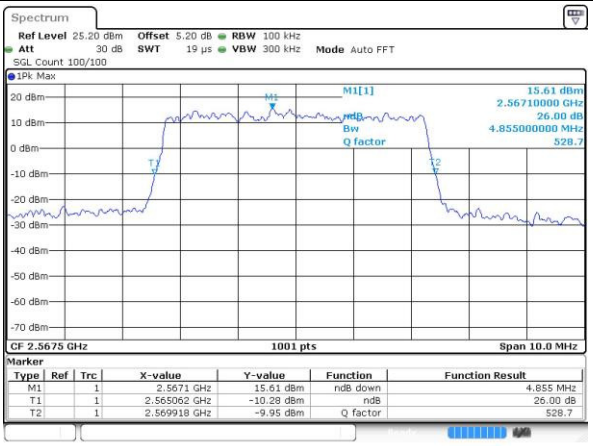
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

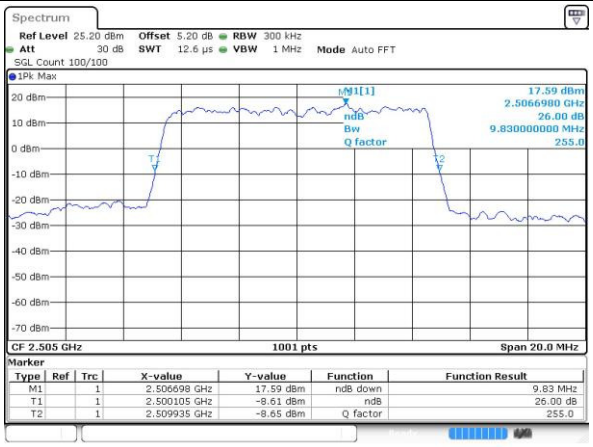


Highest Channel / 5MHz / 16QAM

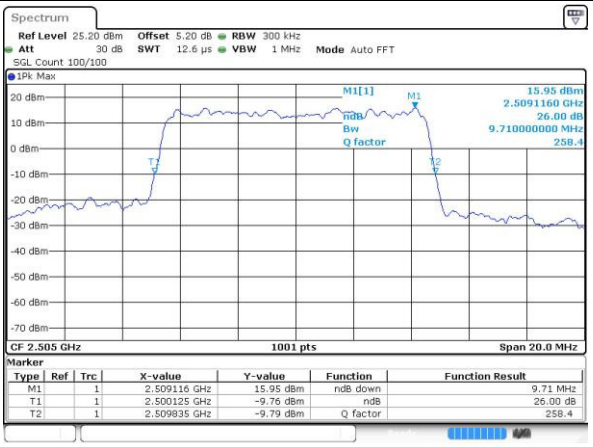


LTE Band 7

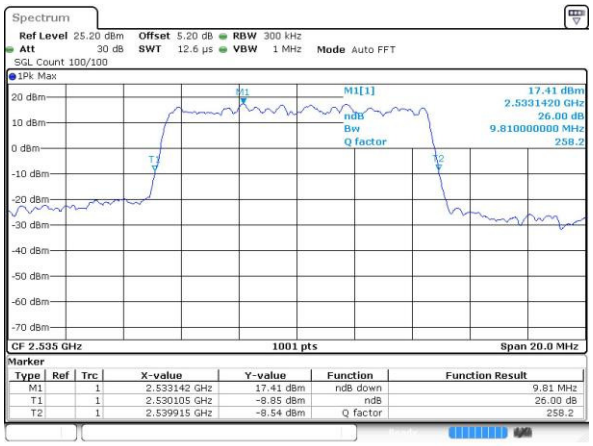
Lowest Channel / 10MHz / QPSK



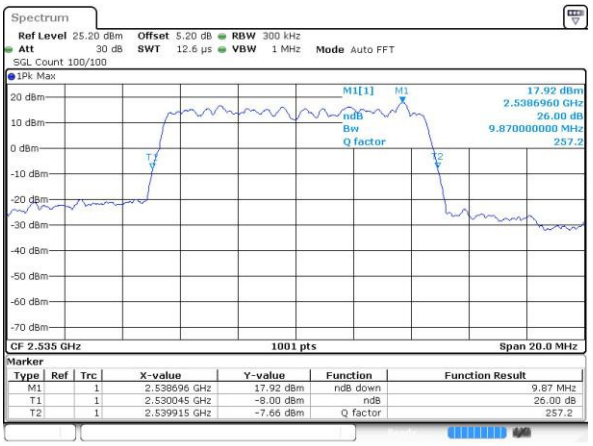
Lowest Channel / 10MHz / 16QAM



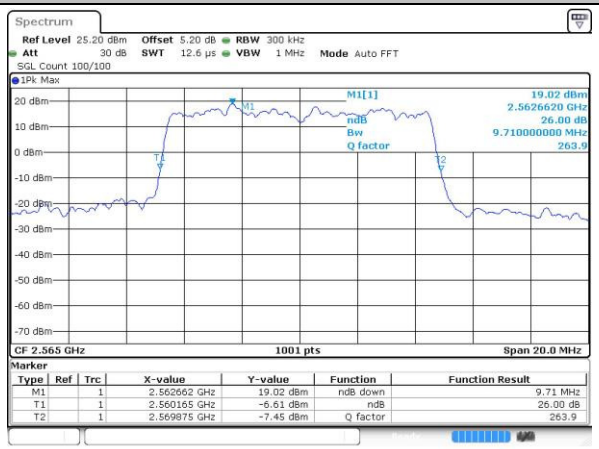
Middle Channel / 10MHz / QPSK



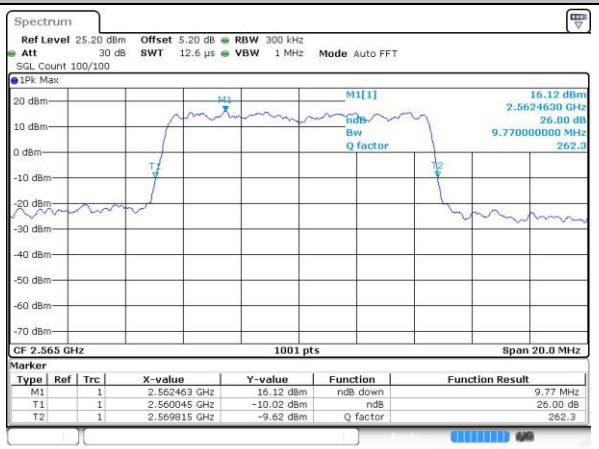
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

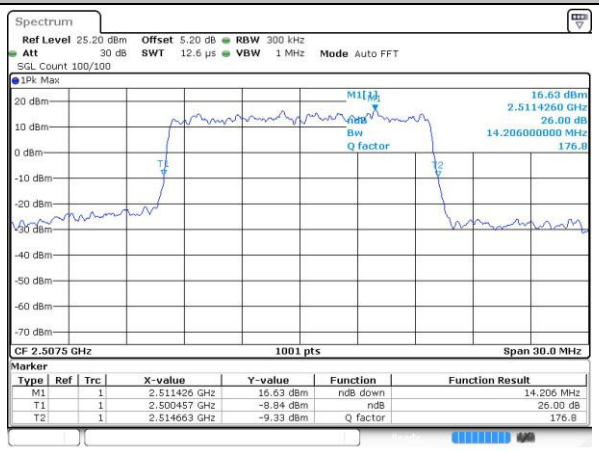


Highest Channel / 10MHz / 16QAM

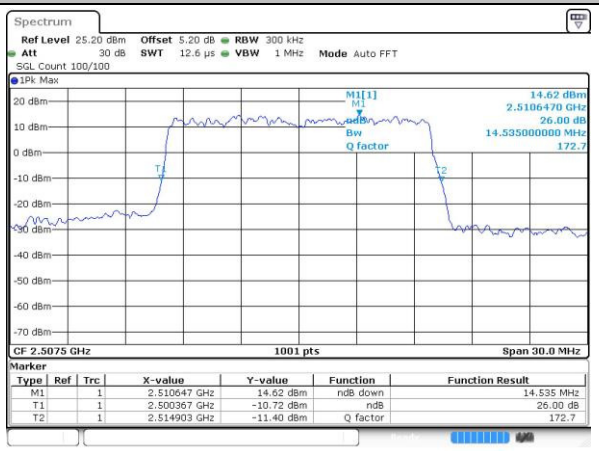


LTE Band 7

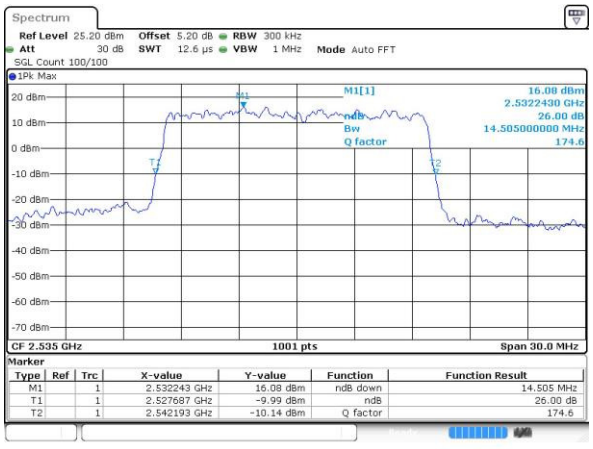
Lowest Channel / 15MHz / QPSK



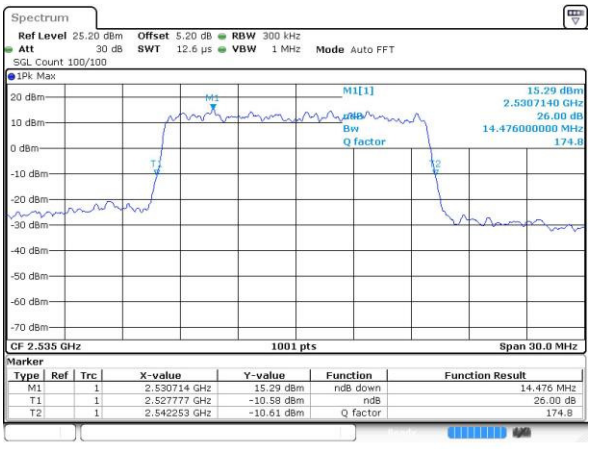
Lowest Channel / 15MHz / 16QAM



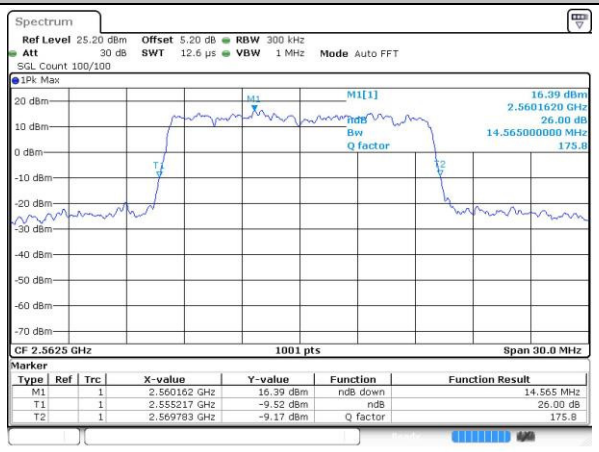
Middle Channel / 15MHz / QPSK



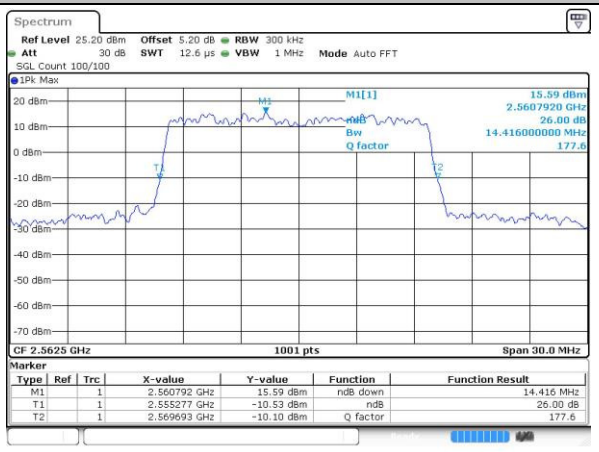
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

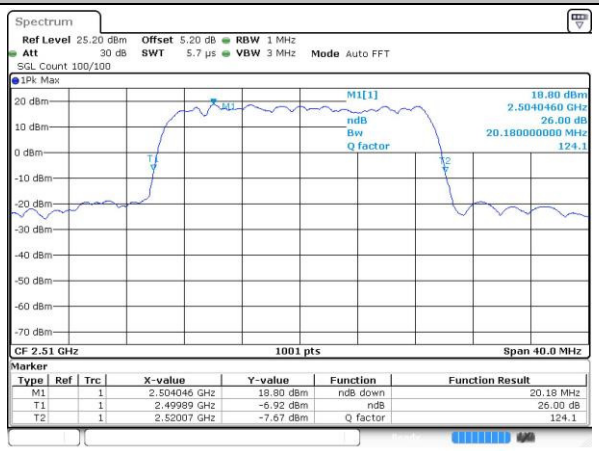


Highest Channel / 15MHz / 16QAM

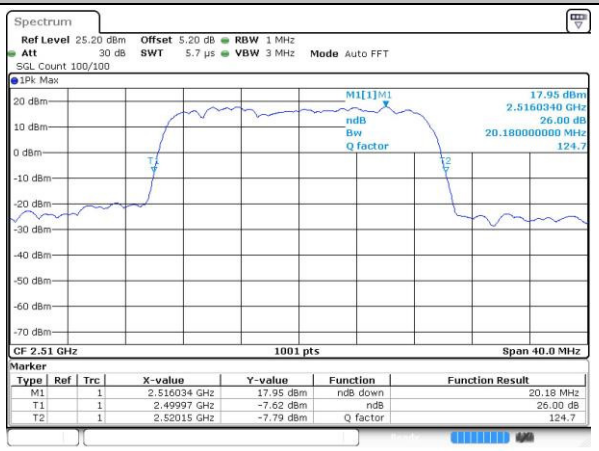


LTE Band 7

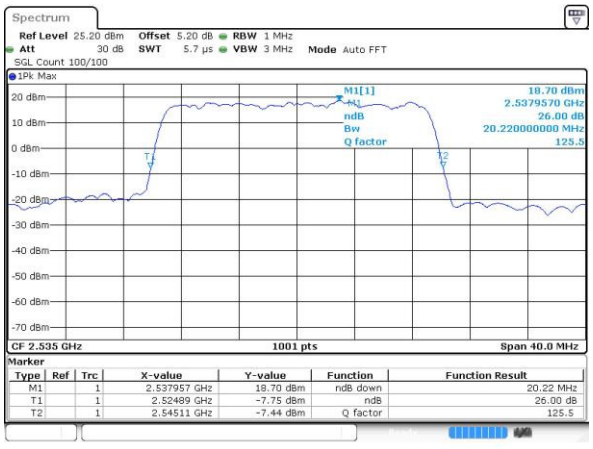
Lowest Channel / 20MHz / QPSK



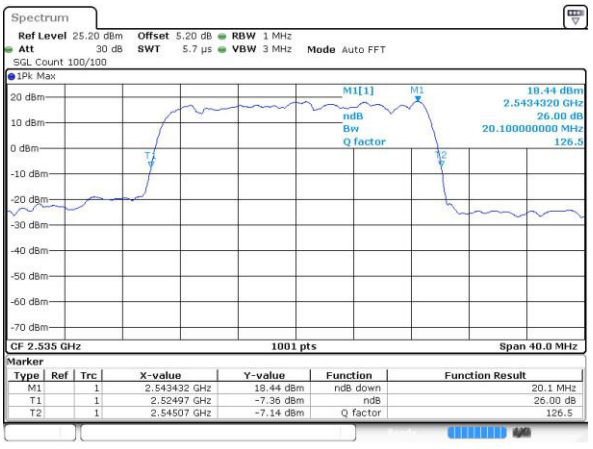
Lowest Channel / 20MHz / 16QAM



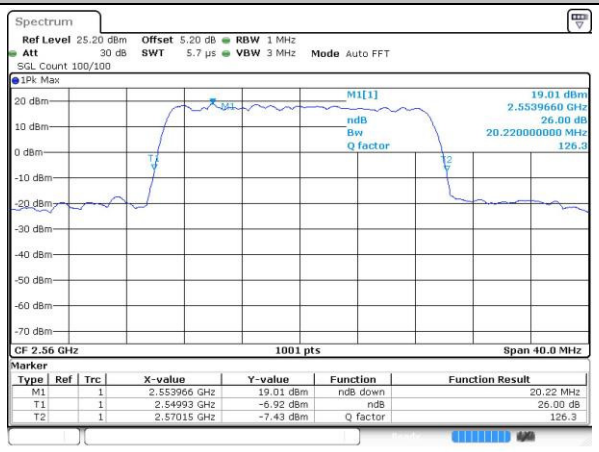
Middle Channel / 20MHz / QPSK



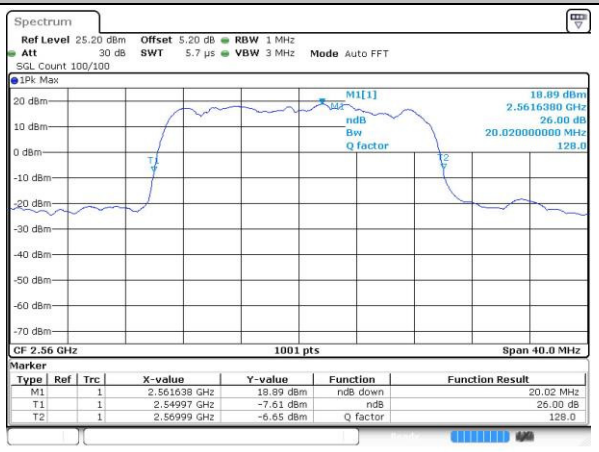
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK

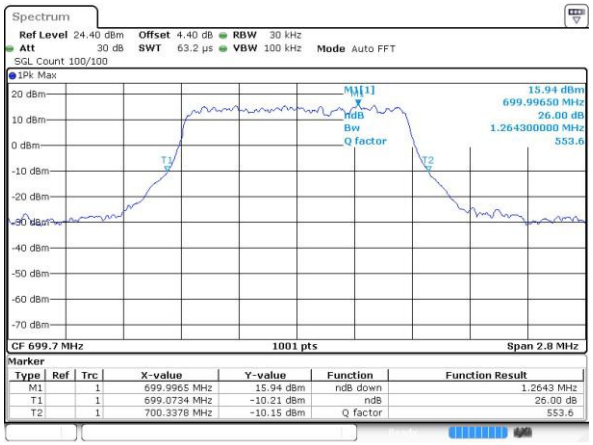


Highest Channel / 20MHz / 16QAM

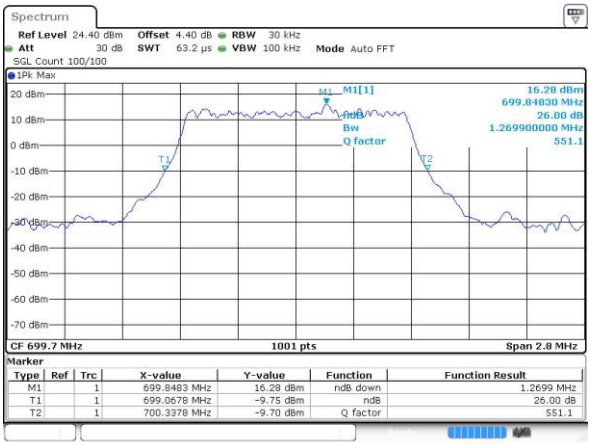


LTE Band 12

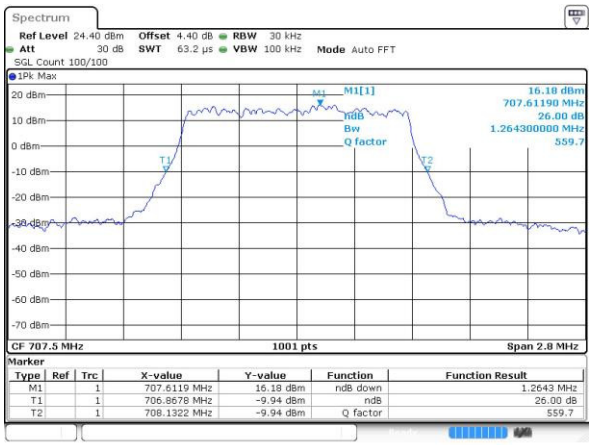
Lowest Channel / 1.4MHz / QPSK



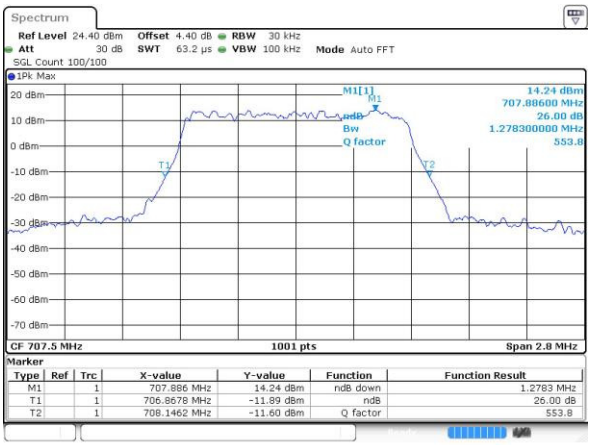
Lowest Channel / 1.4MHz / 16QAM



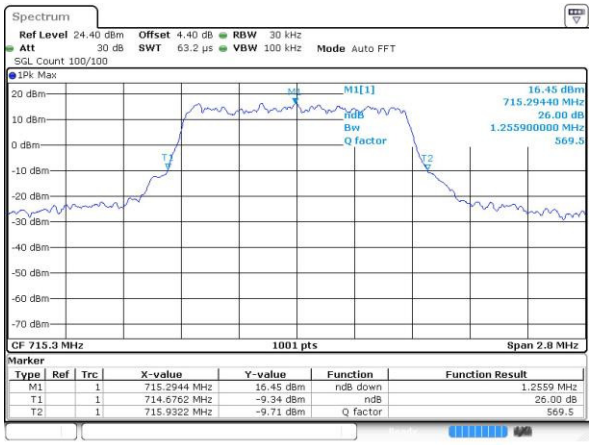
Middle Channel / 1.4MHz / QPSK



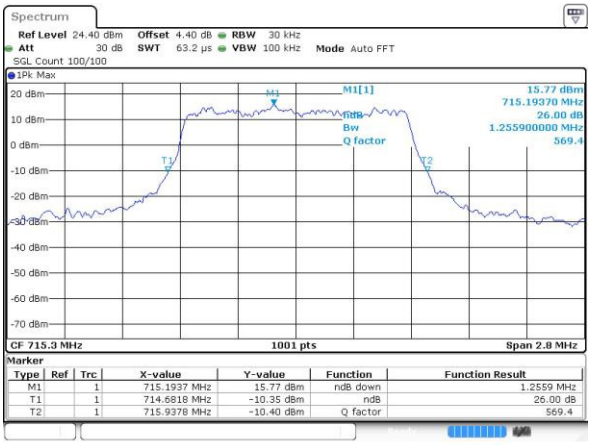
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

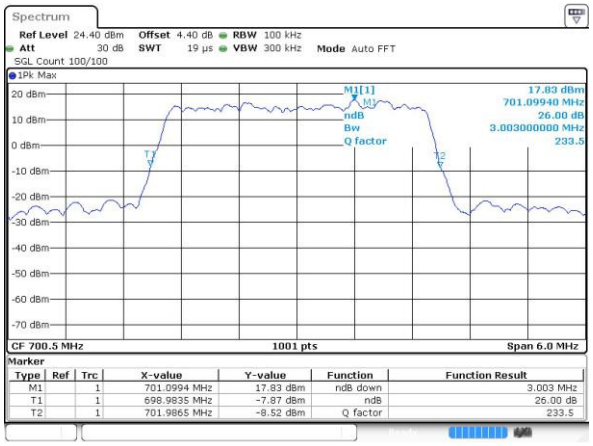


Highest Channel / 1.4MHz / 16QAM

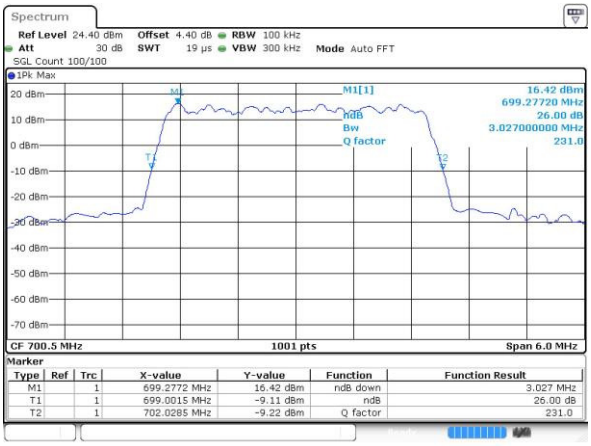


LTE Band 12

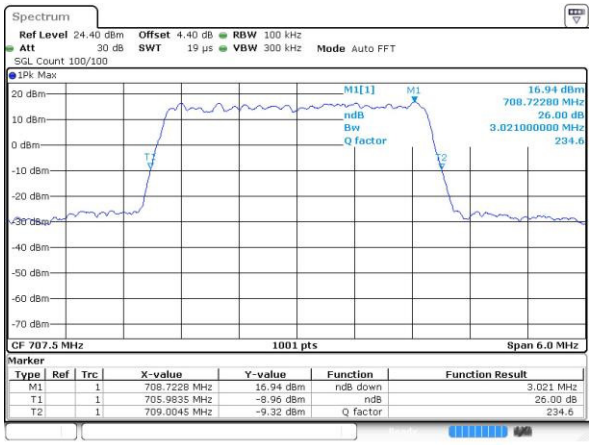
Lowest Channel / 3MHz / QPSK



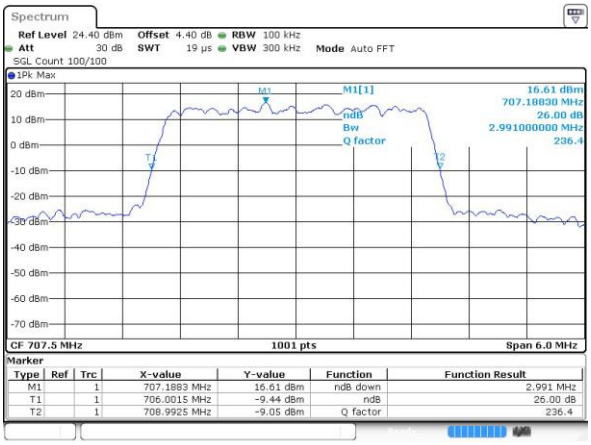
Lowest Channel / 3MHz / 16QAM



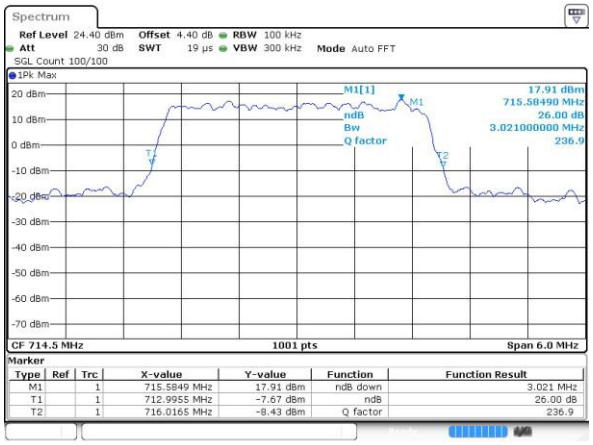
Middle Channel / 3MHz / QPSK



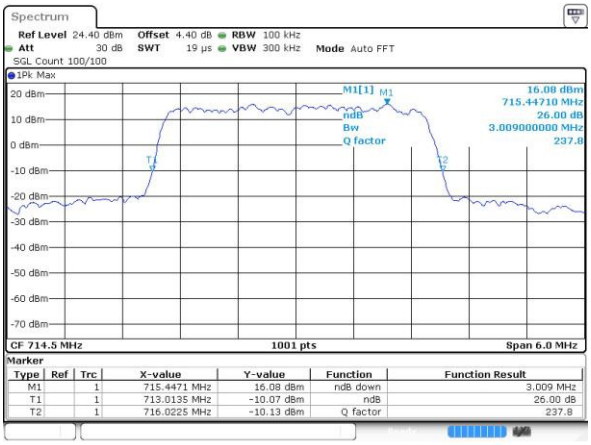
Middle Channel /3MHz / 16QAM



Highest Channel /3MHz / QPSK

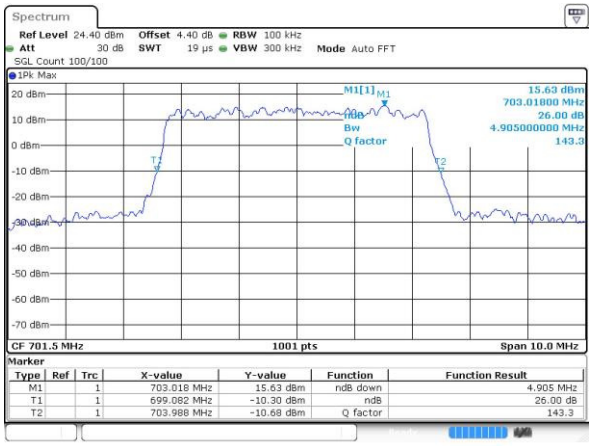


Highest Channel /3MHz / 16QAM

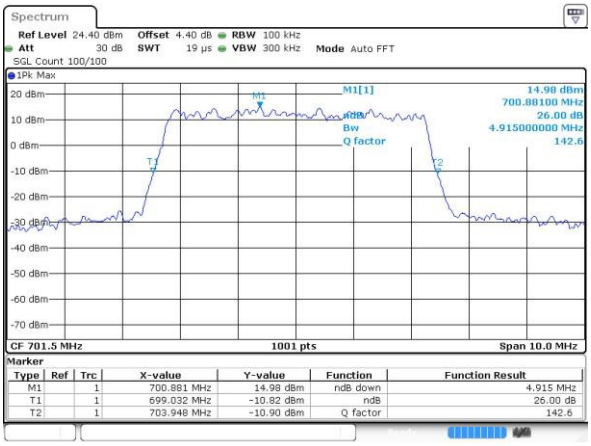


LTE Band 12

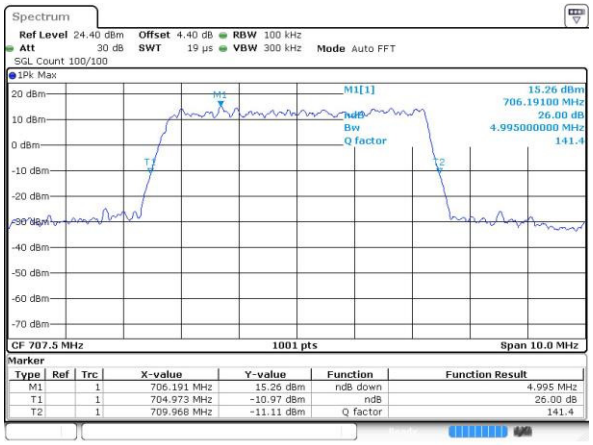
Lowest Channel / 5MHz / QPSK



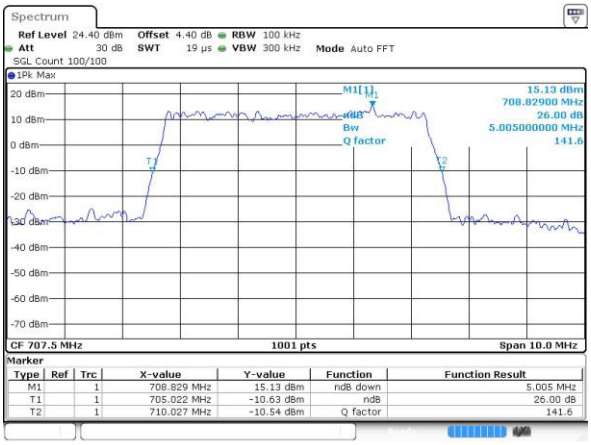
Lowest Channel / 5MHz / 16QAM



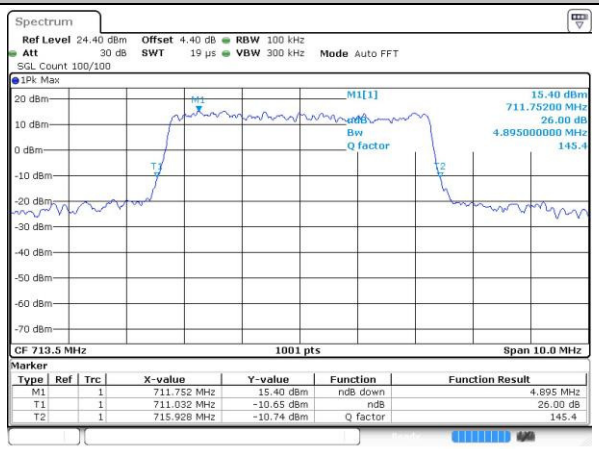
Middle Channel / 5MHz / QPSK



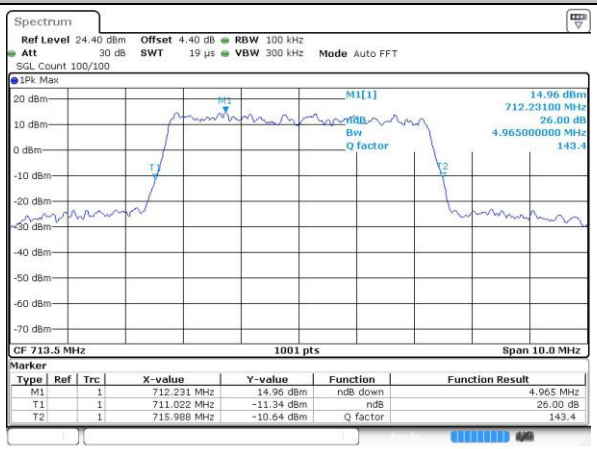
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

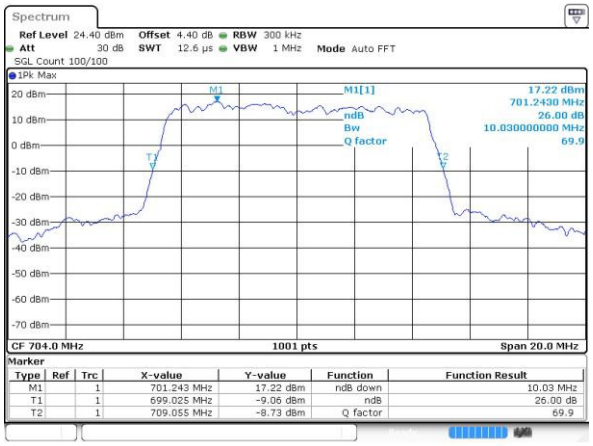


Highest Channel / 5MHz / 16QAM

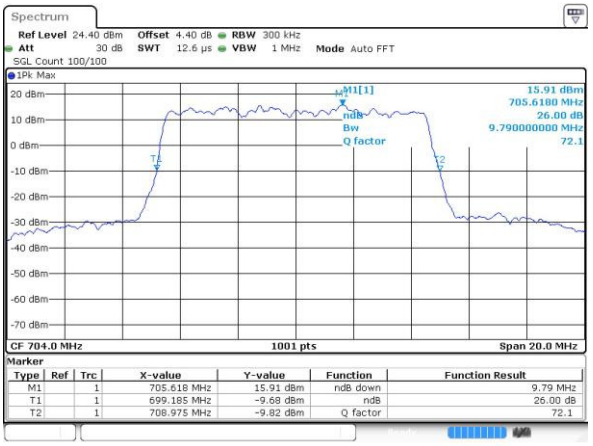


LTE Band 12

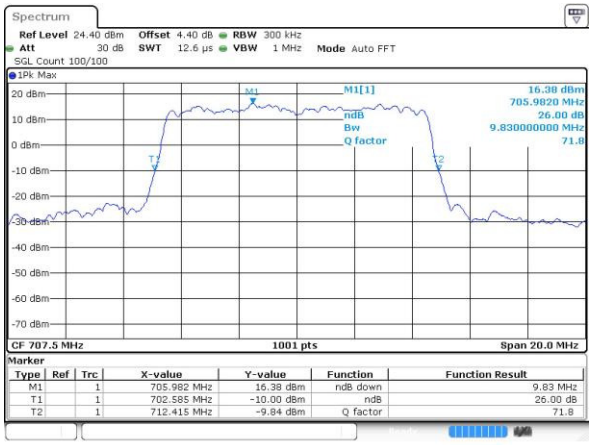
Lowest Channel / 10MHz / QPSK



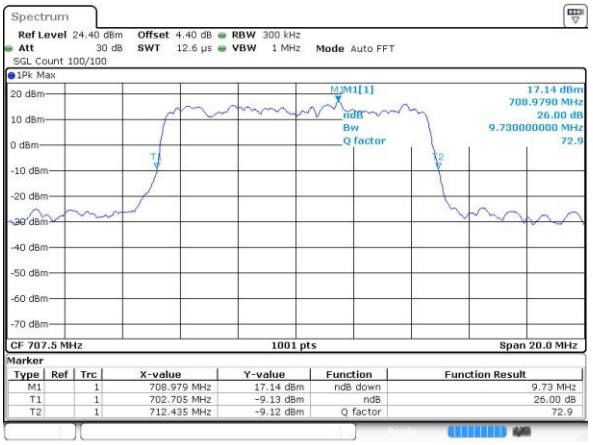
Lowest Channel / 10MHz / 16QAM



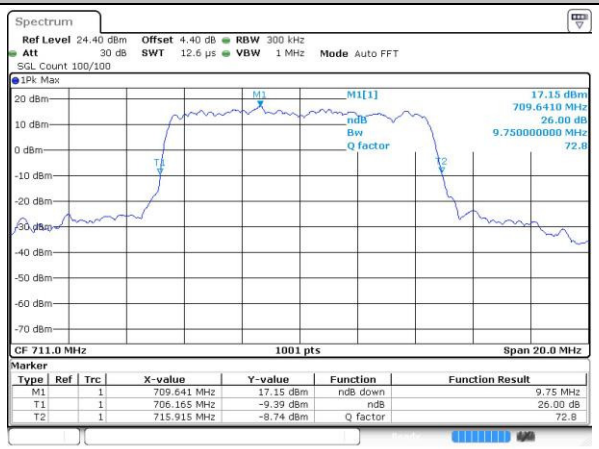
Middle Channel / 10MHz / QPSK



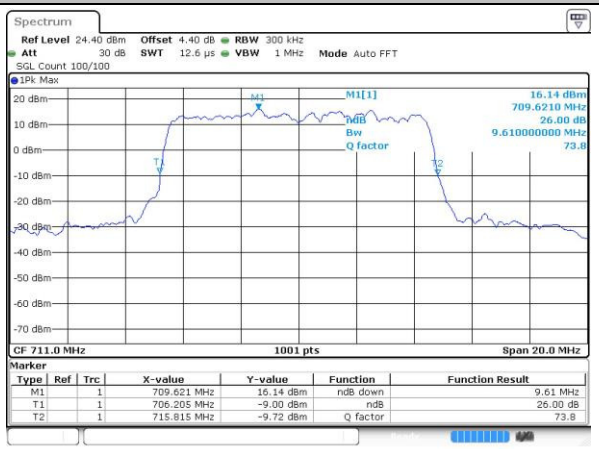
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

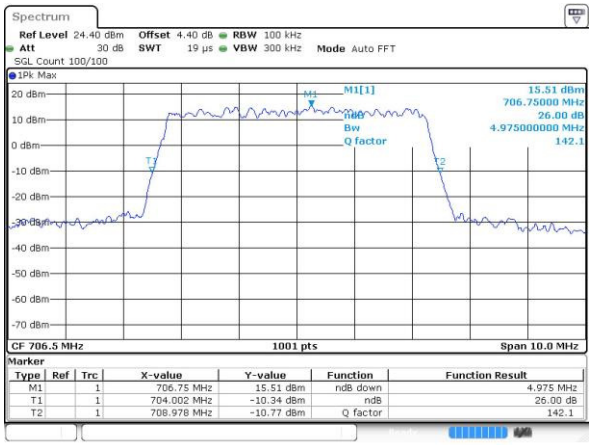


Highest Channel / 10MHz / 16QAM

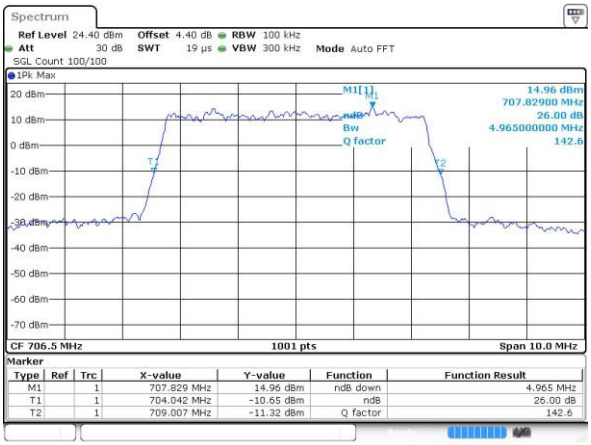


LTE Band 17

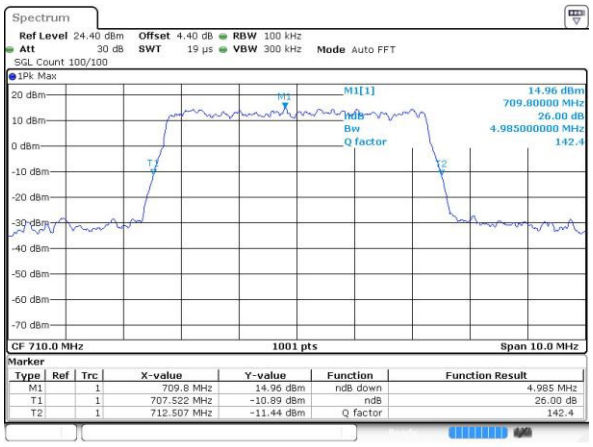
Lowest Channel / 5MHz / QPSK



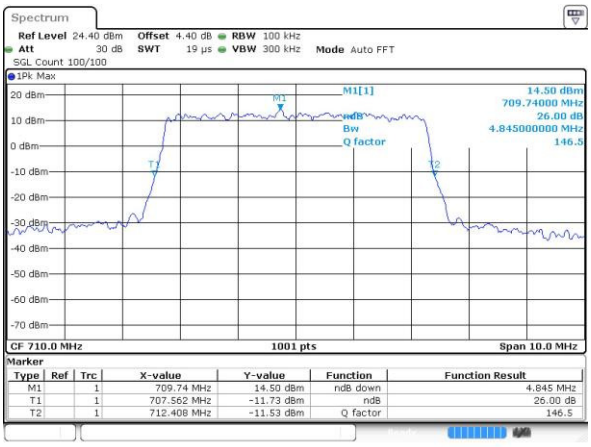
Lowest Channel / 5MHz / 16QAM



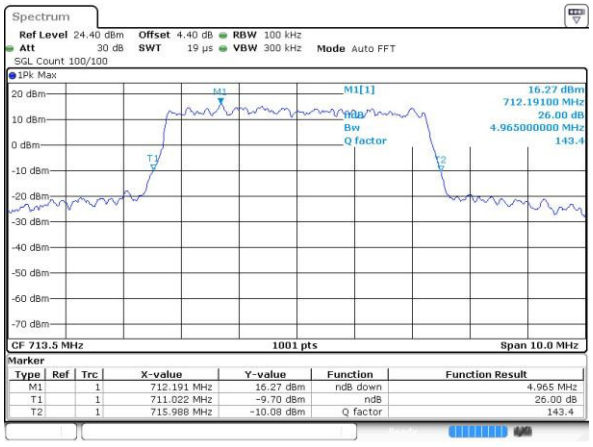
Middle Channel / 5MHz / QPSK



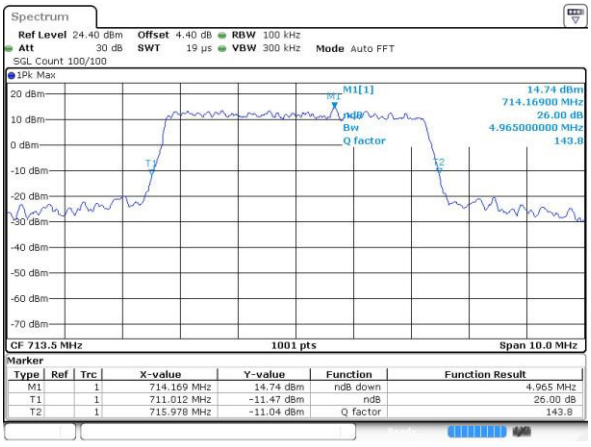
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

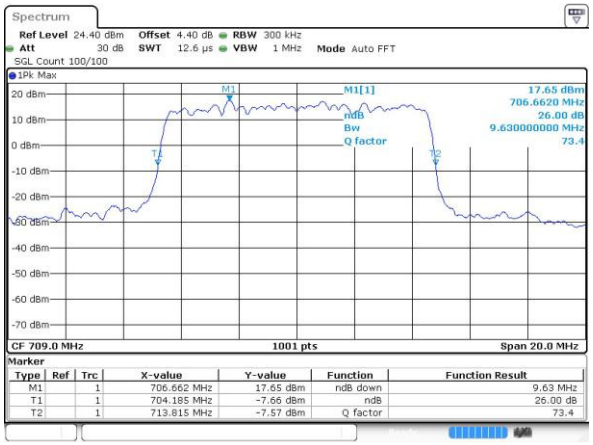


Highest Channel / 5MHz / 16QAM

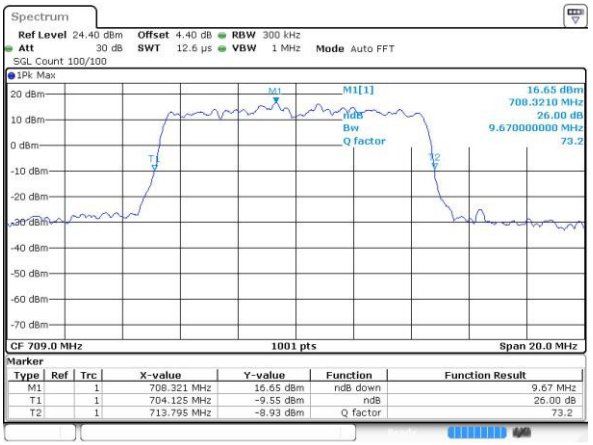


LTE Band 17

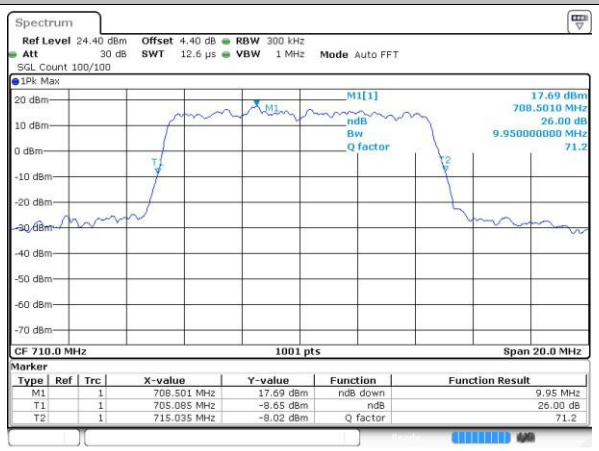
Lowest Channel / 10MHz / QPSK



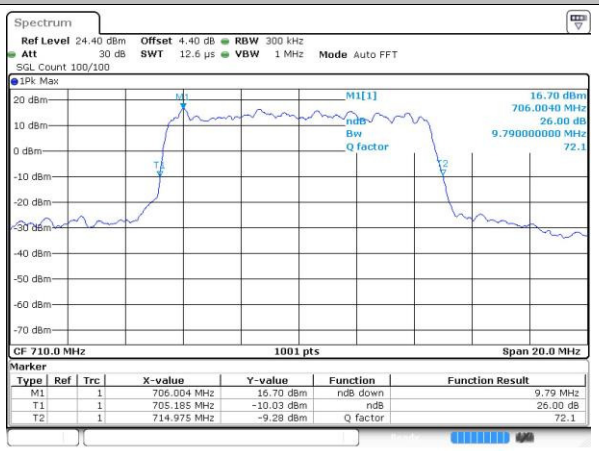
Lowest Channel / 10MHz / 16QAM



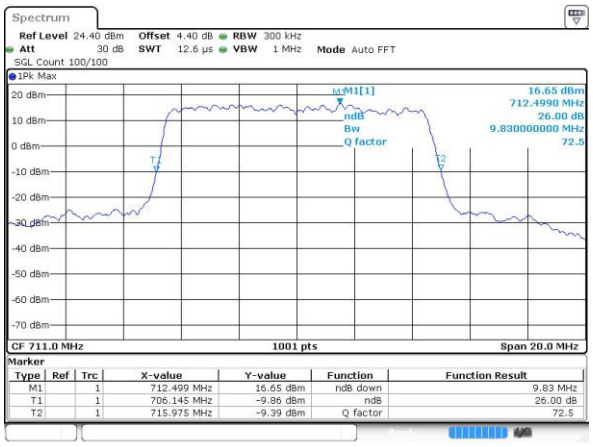
Middle Channel / 10MHz / QPSK



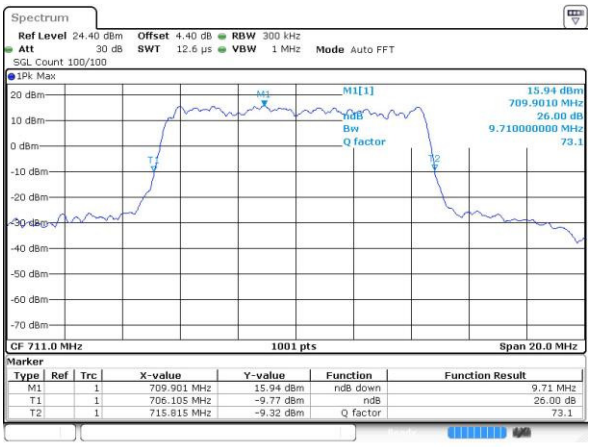
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

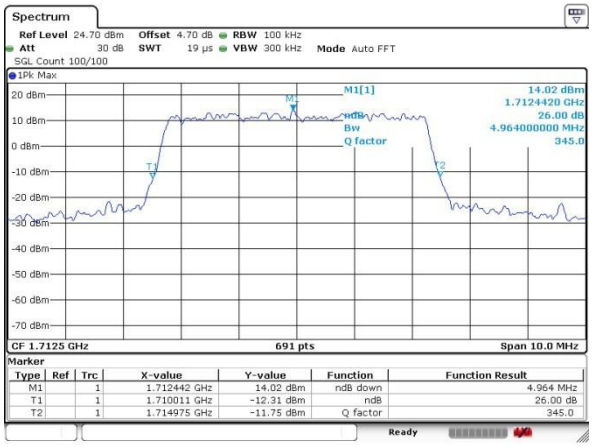


Highest Channel / 10MHz / 16QAM

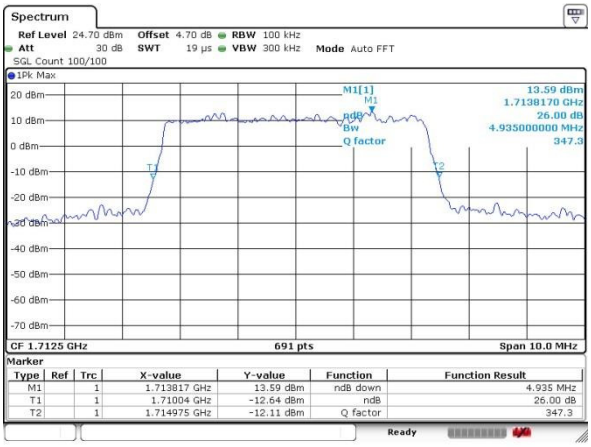


LTE Band 66

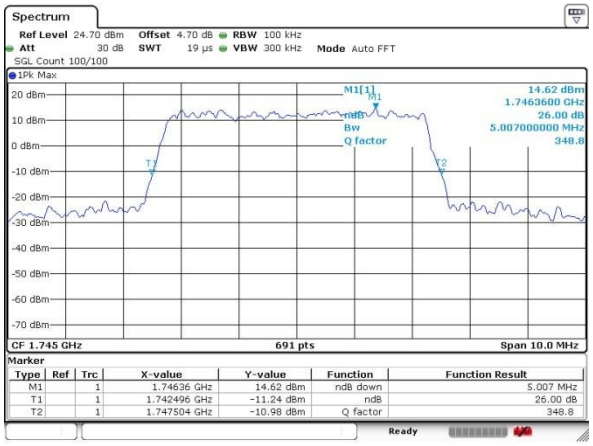
Lowest Channel / 5MHz / QPSK



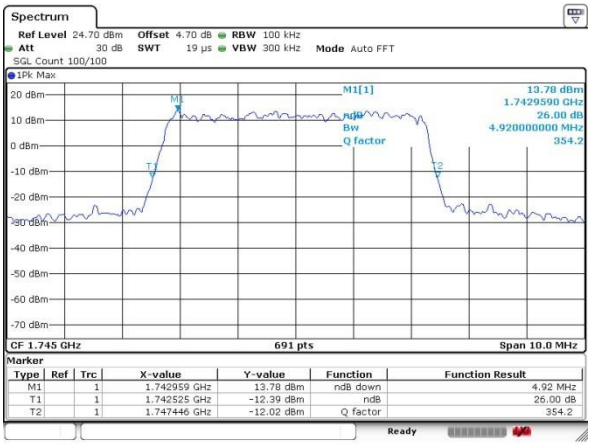
Lowest Channel / 5MHz / 16QAM



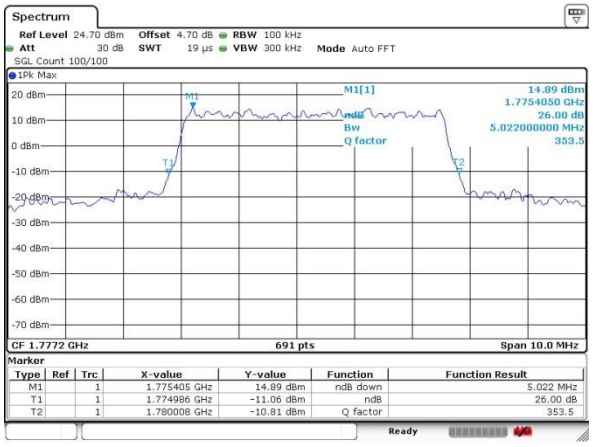
Middle Channel / 5MHz / QPSK



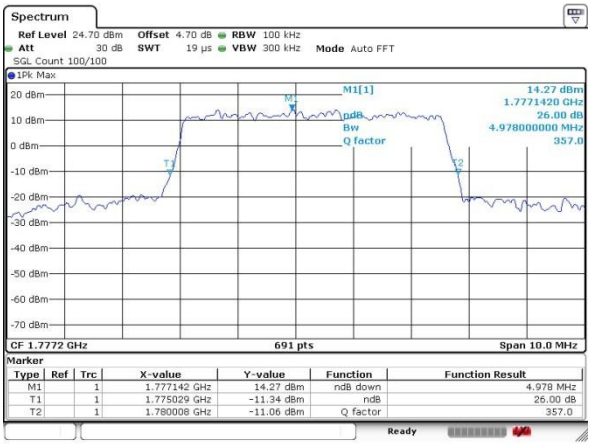
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

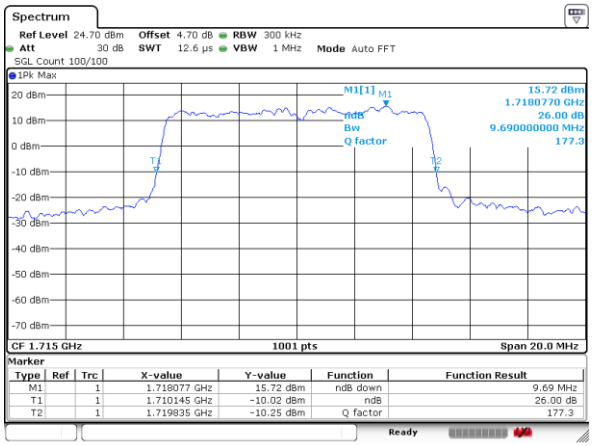


Highest Channel / 5MHz / 16QAM



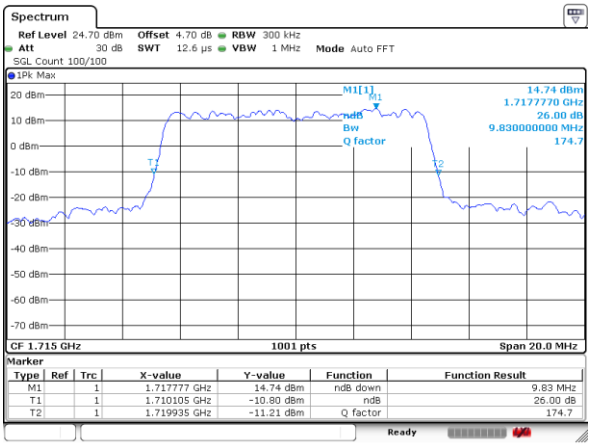
LTE Band 66

Lowest Channel / 10MHz / QPSK



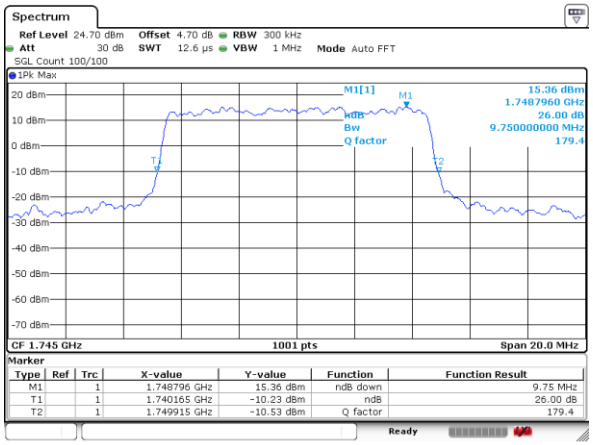
Date: 30.SEP.2016 16:31:34

Lowest Channel / 10MHz / 16QAM



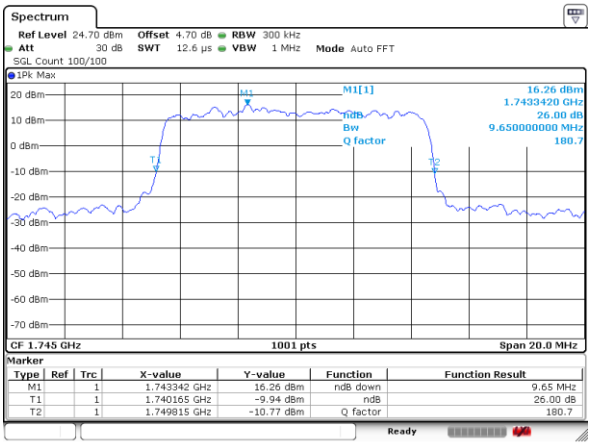
Date: 30.SEP.2016 16:30:56

Middle Channel / 10MHz / QPSK



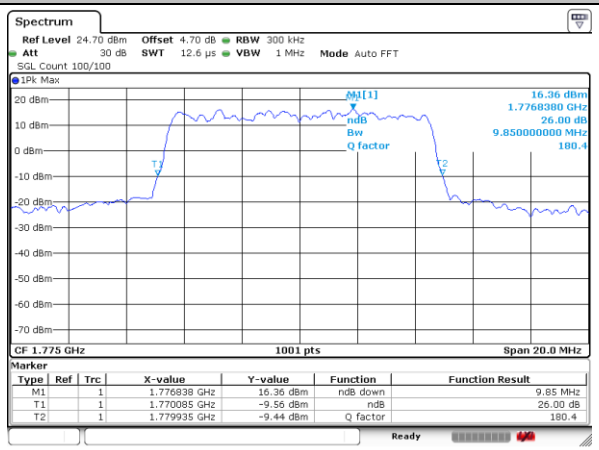
Date: 30.SEP.2016 16:33:23

Middle Channel / 10MHz / 16QAM



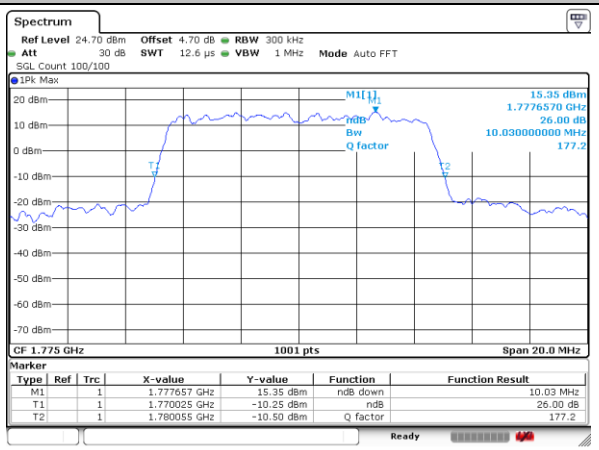
Date: 30.SEP.2016 16:33:57

Highest Channel / 10MHz / QPSK



Date: 30.SEP.2016 16:38:09

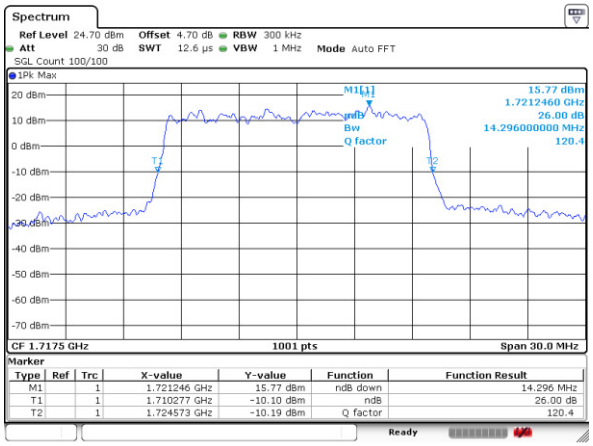
Highest Channel / 10MHz / 16QAM



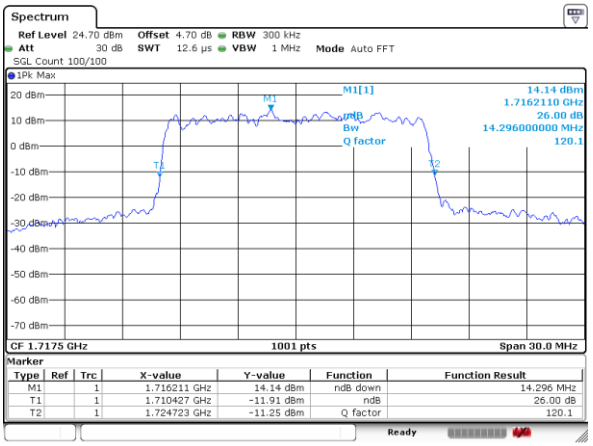
Date: 30.SEP.2016 16:37:39

LTE Band 66

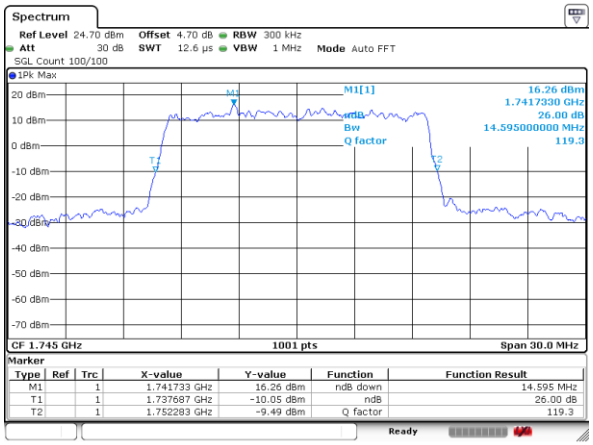
Lowest Channel / 15MHz / QPSK



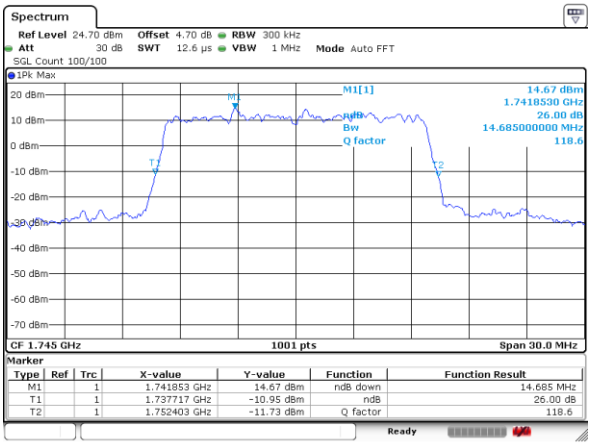
Lowest Channel / 15MHz / 16QAM



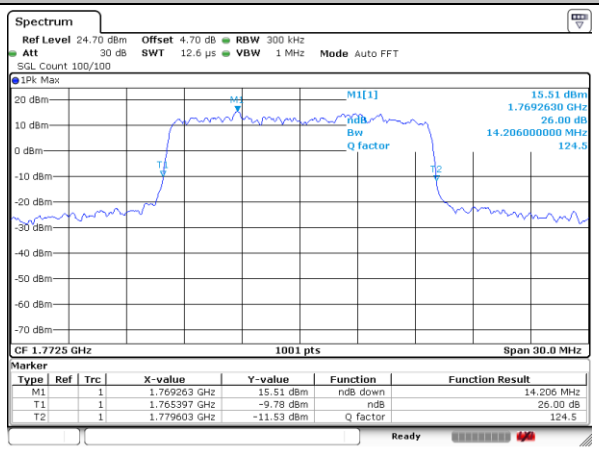
Middle Channel / 15MHz / QPSK



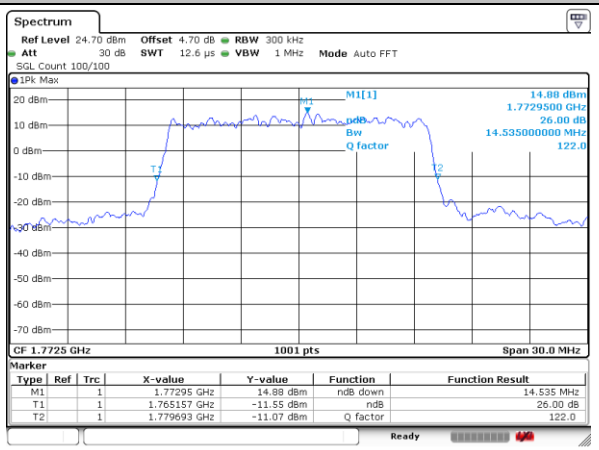
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

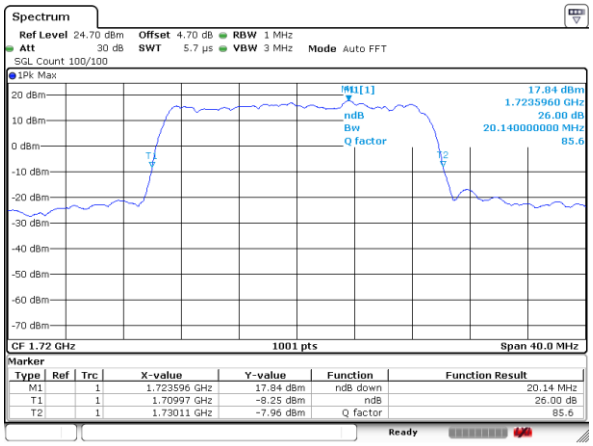


Highest Channel / 15MHz / 16QAM



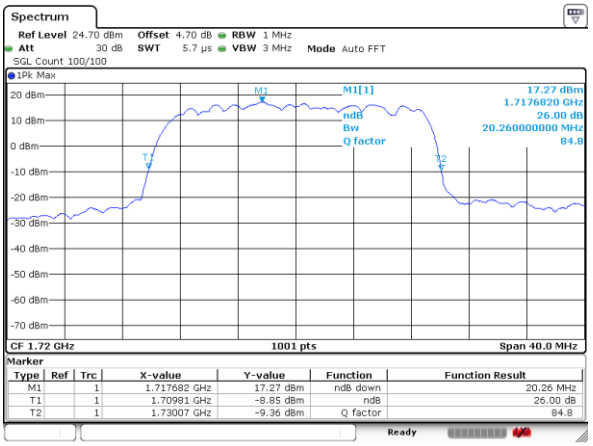
LTE Band 66

Lowest Channel / 20MHz / QPSK



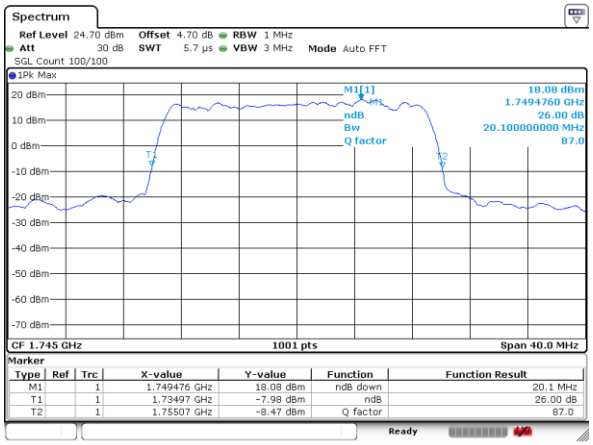
Date: 30.SEP.2016 16:52:14

Lowest Channel / 20MHz / 16QAM



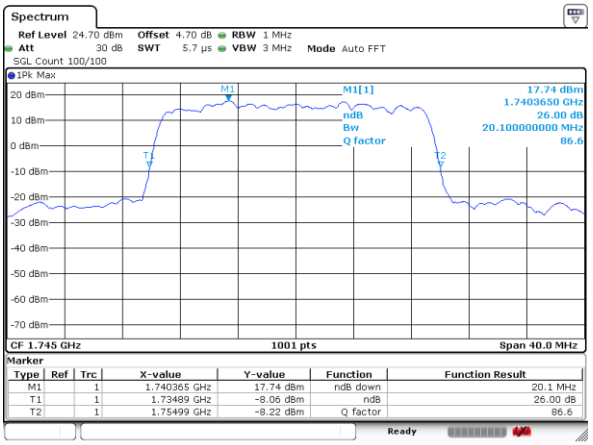
Date: 30.SEP.2016 16:52:42

Middle Channel / 20MHz / QPSK



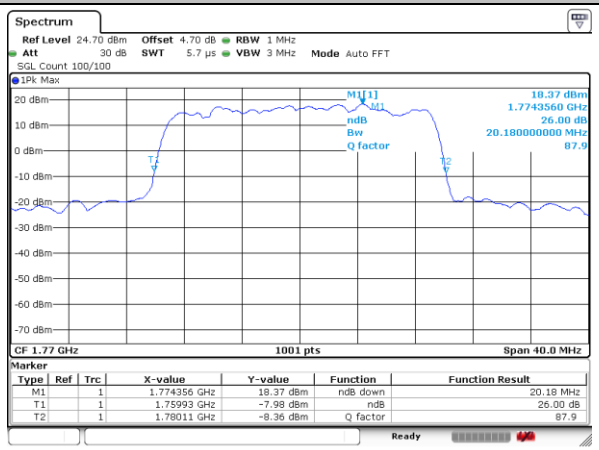
Date: 30.SEP.2016 16:54:20

Middle Channel / 20MHz / 16QAM



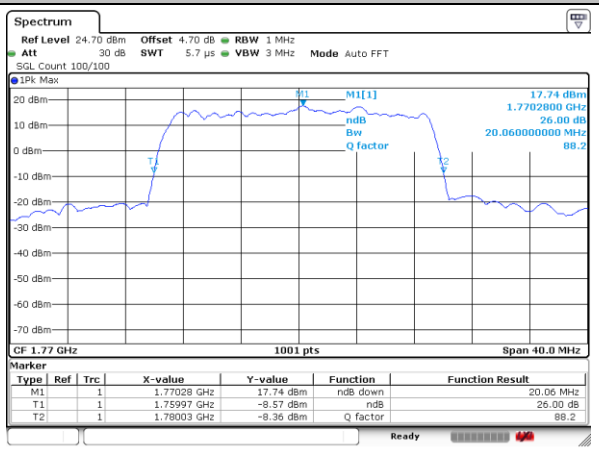
Date: 30.SEP.2016 16:53:53

Highest Channel / 20MHz / QPSK



Date: 30.SEP.2016 17:01:55

Highest Channel / 20MHz / 16QAM



Date: 30.SEP.2016 17:02:31

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	1.10	1.09	2.73	2.72	4.51	4.51	9.05	9.01	13.49	13.49	18.26	18.30
Middle CH	1.10	1.10	2.71	2.73	4.47	4.48	9.01	9.01	13.49	13.40	18.26	18.26
Highest CH	1.10	1.10	2.73	2.71	4.49	4.48	9.05	8.99	13.40	13.43	18.30	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	1.09	2.73	2.72	4.50	4.50	9.03	8.93	13.46	13.40	18.26	18.46
Middle CH	1.09	1.09	2.70	2.73	4.49	4.50	9.07	8.99	13.46	13.34	18.38	18.34
Highest CH	1.09	1.09	2.72	2.72	4.51	4.47	9.03	9.01	13.37	13.43	18.26	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	1.09	1.10	2.70	2.69	4.49	4.49	9.03	8.95	-	-	-	-
Middle CH	1.09	1.10	2.74	2.72	4.51	4.49	9.03	8.93	-	-	-	-
Highest CH	1.10	1.10	2.72	2.71	4.47	4.51	9.05	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	-	-	-	-	4.49	4.49	9.01	8.99	13.46	13.43	18.30	18.34
Middle CH	-	-	-	-	4.48	4.49	8.99	9.07	13.43	13.49	18.38	18.46
Highest CH	-	-	-	-	4.49	4.50	9.05	9.05	13.43	13.43	18.30	18.38

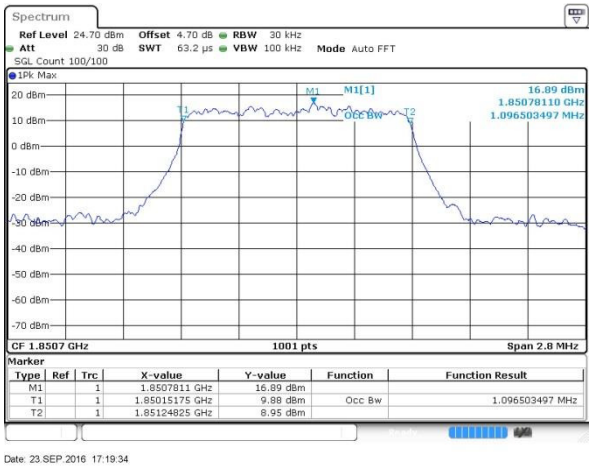
Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.71	2.72	4.49	4.46	9.05	9.01	-	-	-	-
Middle CH	1.09	1.09	2.70	2.73	4.49	4.50	9.01	8.99	-	-	-	-
Highest CH	1.09	1.09	2.74	2.72	4.49	4.51	8.97	8.95	-	-	-	-

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	-	-	-	-	4.48	4.50	9.03	9.05	-	-	-	-
Middle CH	-	-	-	-	4.48	4.48	8.97	8.93	-	-	-	-
Highest CH	-	-	-	-	4.50	4.49	8.95	9.01	-	-	-	-

Mode	LTE Band 66 : 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	-	-	-	-	4.48	4.49	8.99	9.01	13.34	13.46	18.14	18.34
Middle CH	-	-	-	-	4.52	4.49	8.99	9.01	13.49	13.34	18.18	18.42
Highest CH	-	-	-	-	4.50	4.50	9.09	8.99	13.37	13.43	18.34	18.18

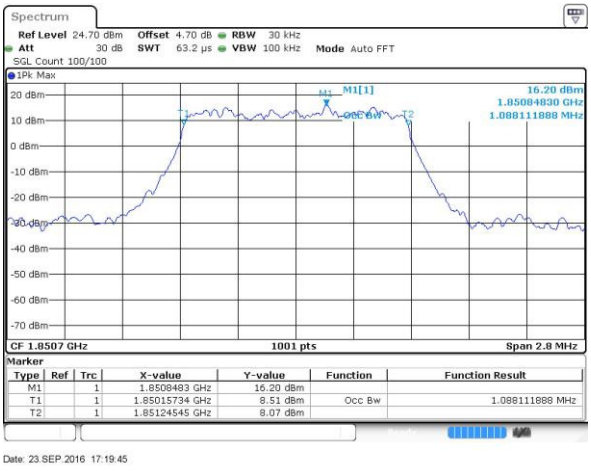
LTE Band 2

Lowest Channel / 1.4MHz / QPSK



Date: 23.SEP.2016 17:19:34

Lowest Channel / 1.4MHz / 16QAM



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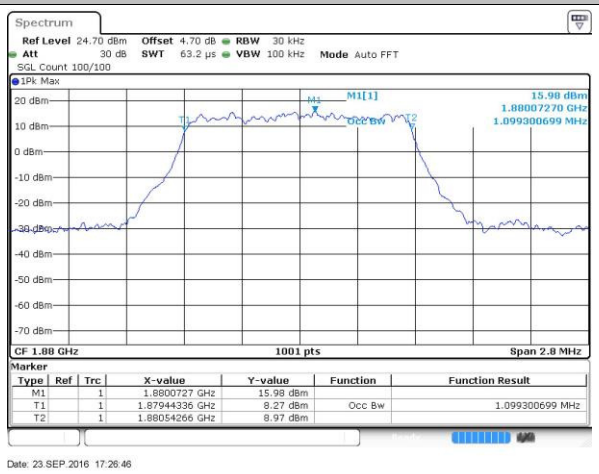
Middle Channel / 1.4MHz / QPSK



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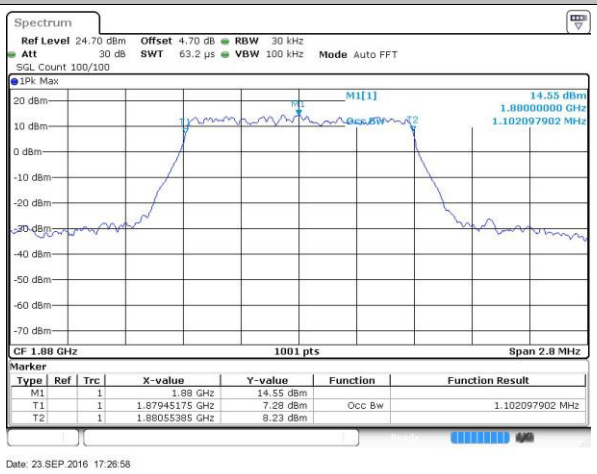
Middle Channel / 1.4MHz / 16QAM



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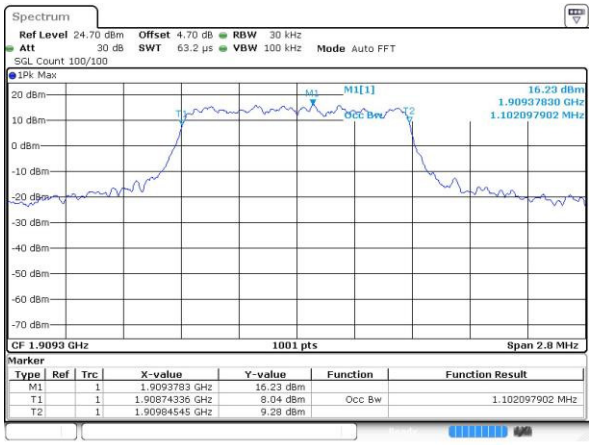
Highest Channel / 1.4MHz / QPSK



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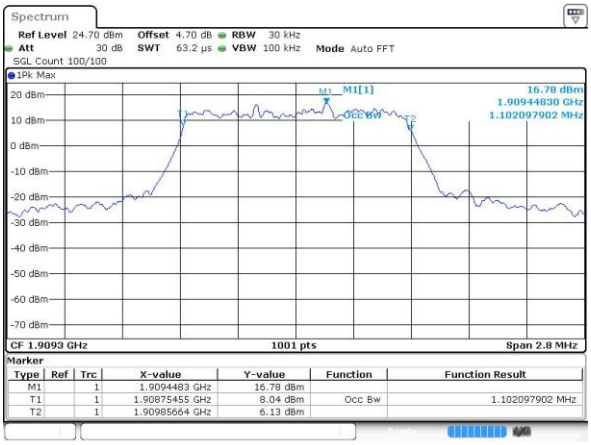
Highest Channel / 1.4MHz / 16QAM



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