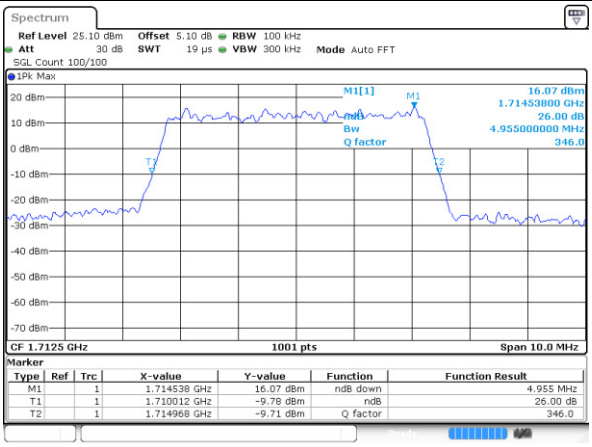
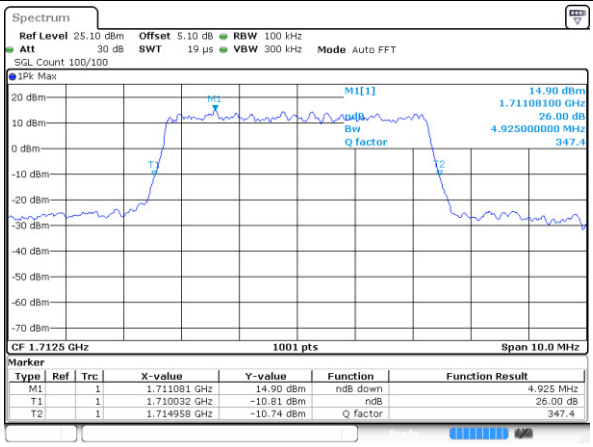
LTE Band 4

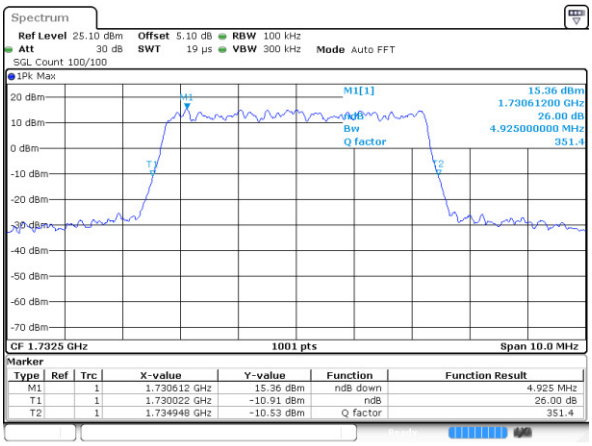
Lowest Channel / 5MHz / QPSK



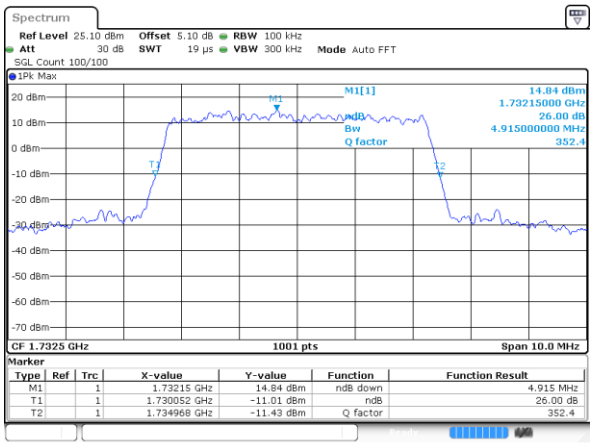
Lowest Channel / 5MHz / 16QAM



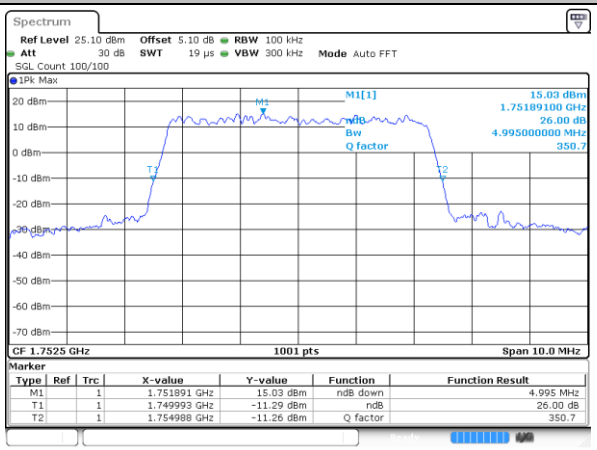
Middle Channel / 5MHz / QPSK



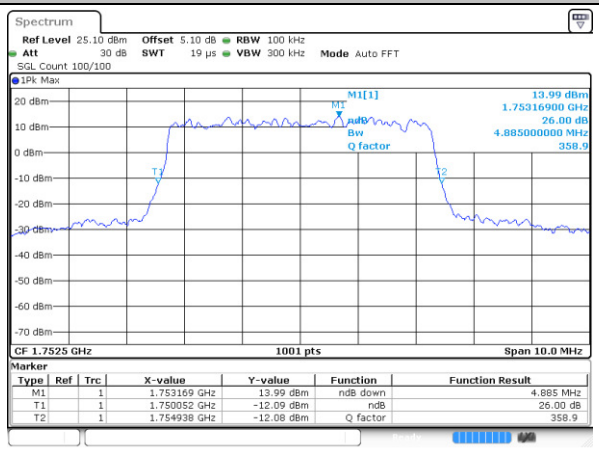
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

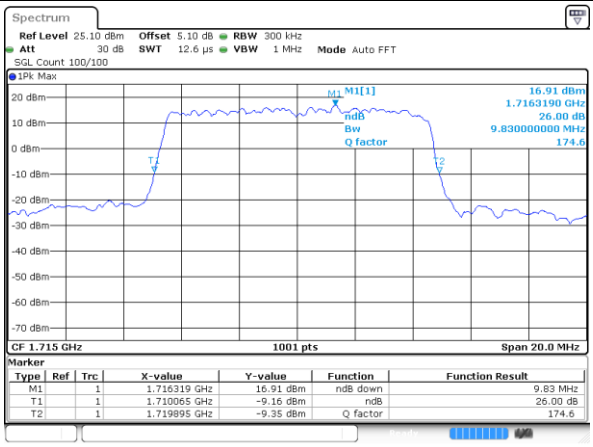


Highest Channel / 5MHz / 16QAM

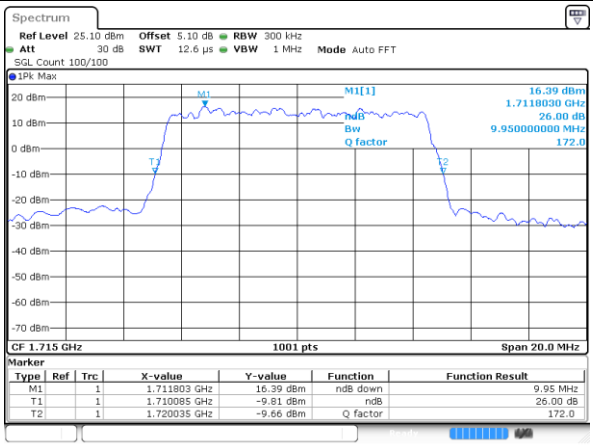


LTE Band 4

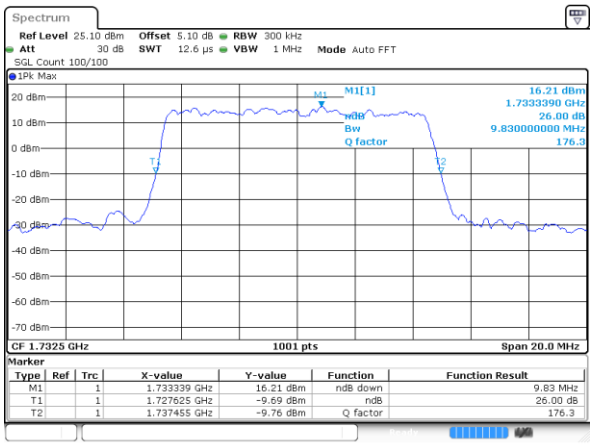
Lowest Channel / 10MHz / QPSK



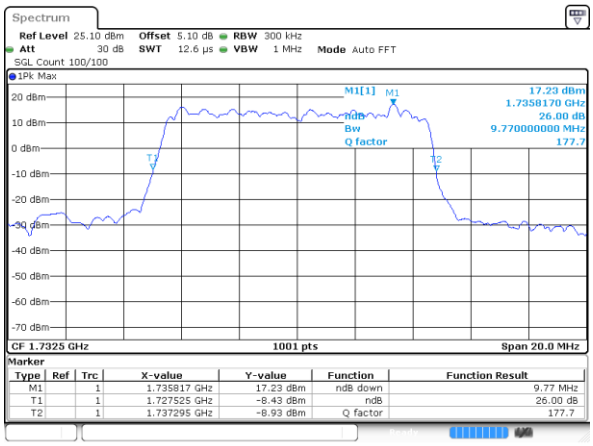
Lowest Channel / 10MHz / 16QAM



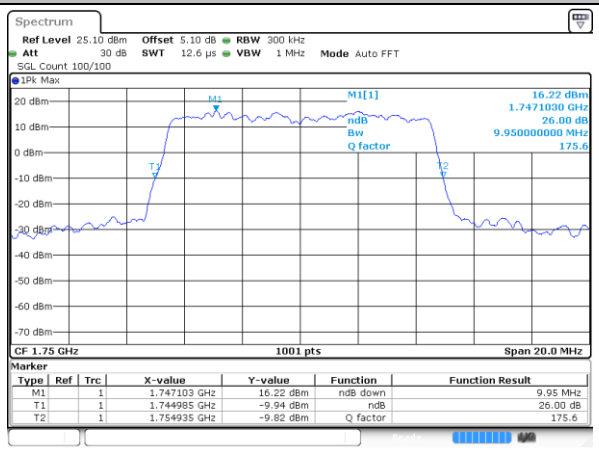
Middle Channel / 10MHz / QPSK



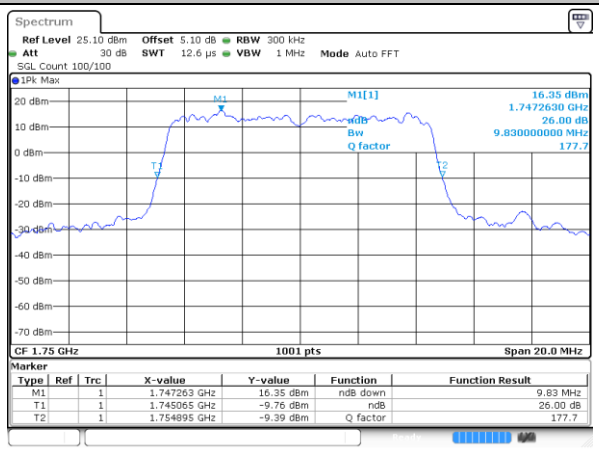
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

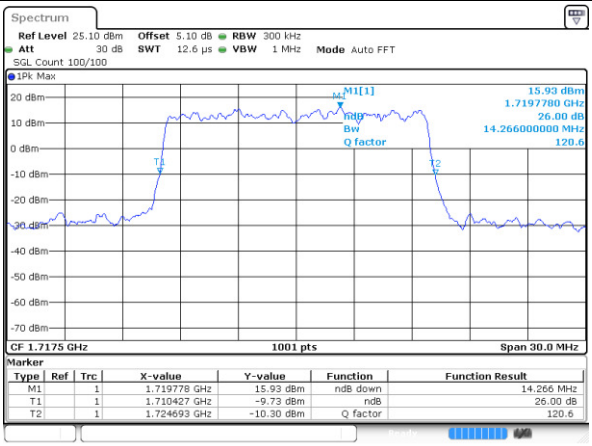


Highest Channel / 10MHz / 16QAM

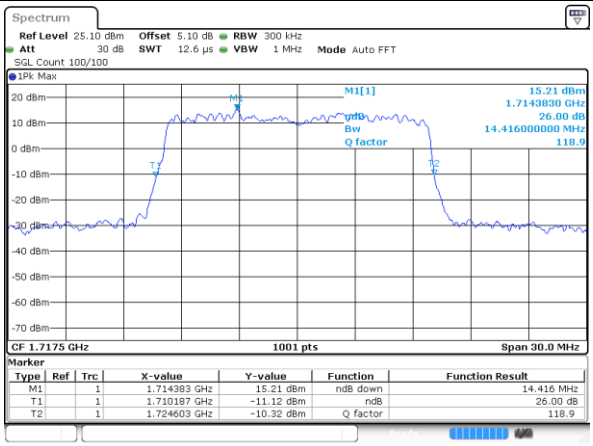


LTE Band 4

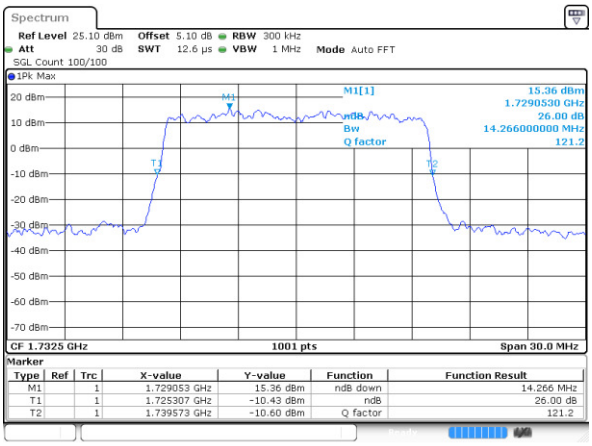
Lowest Channel / 15MHz / QPSK



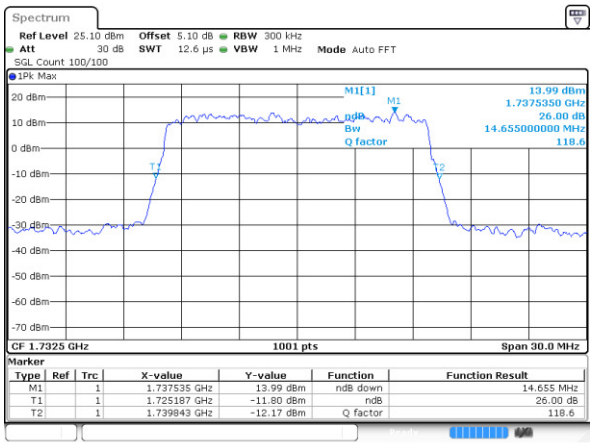
Lowest Channel / 15MHz / 16QAM



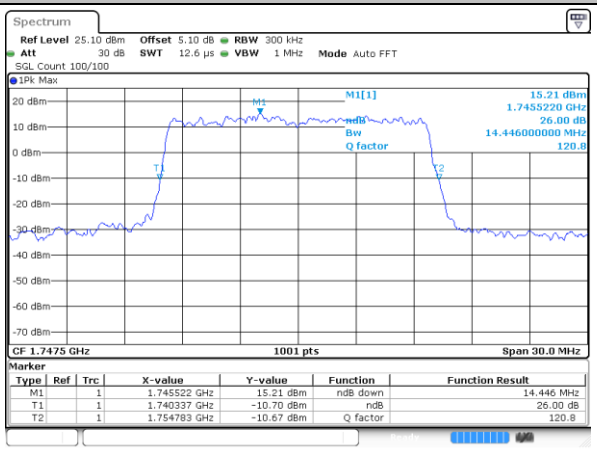
Middle Channel / 15MHz / QPSK



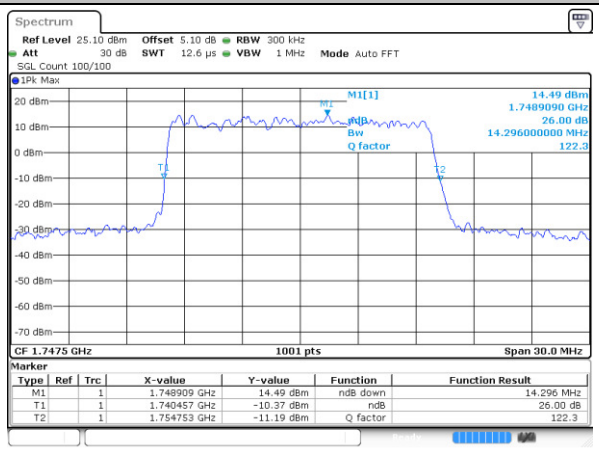
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

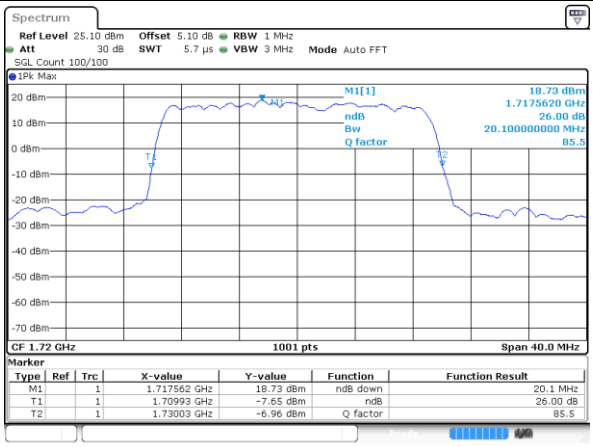


Highest Channel / 15MHz / 16QAM

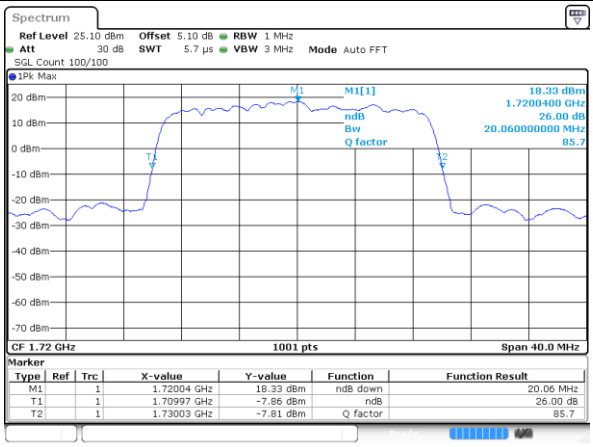


LTE Band 4

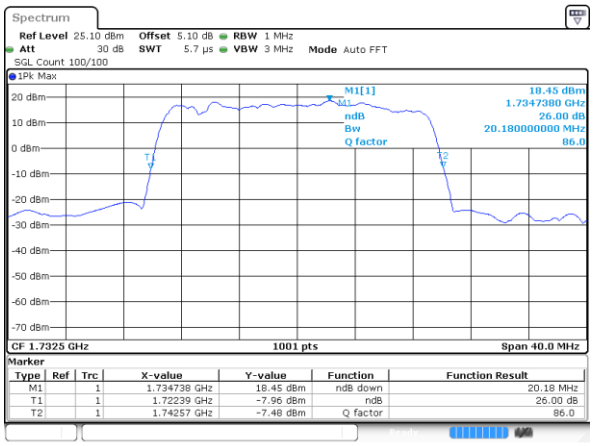
Lowest Channel / 20MHz / QPSK



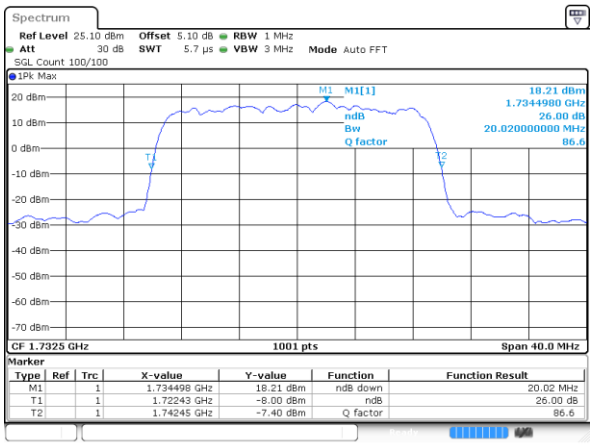
Lowest Channel / 20MHz / 16QAM



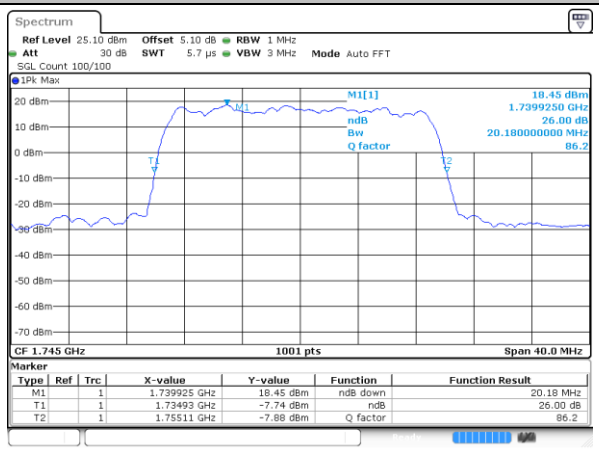
Middle Channel / 20MHz / QPSK



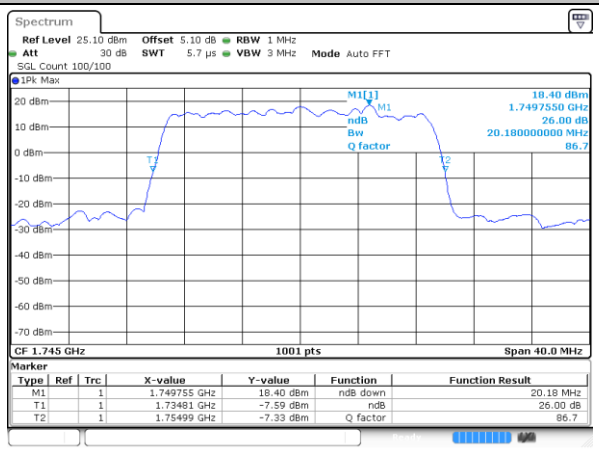
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK

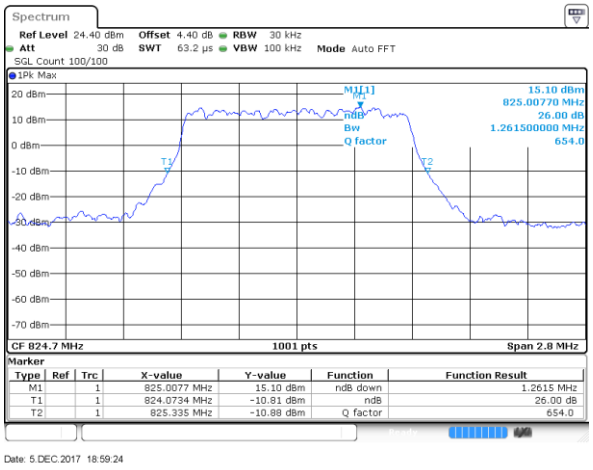


Highest Channel / 20MHz / 16QAM

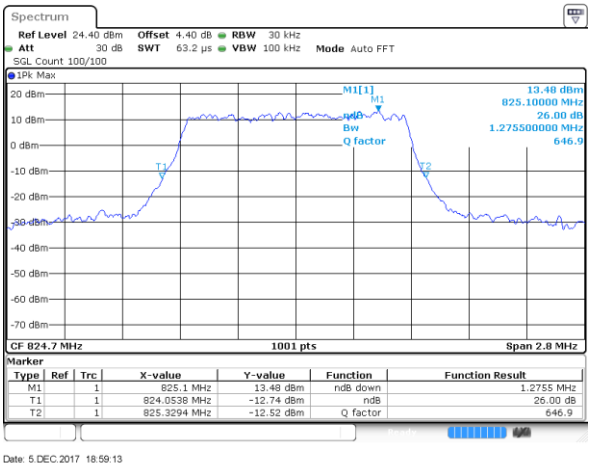


LTE Band 5

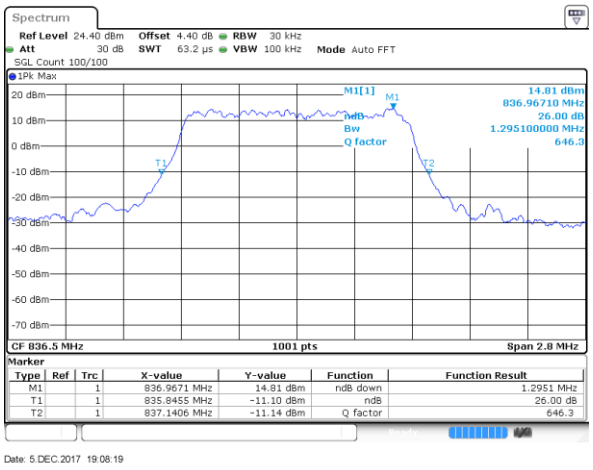
Lowest Channel / 1.4MHz / QPSK



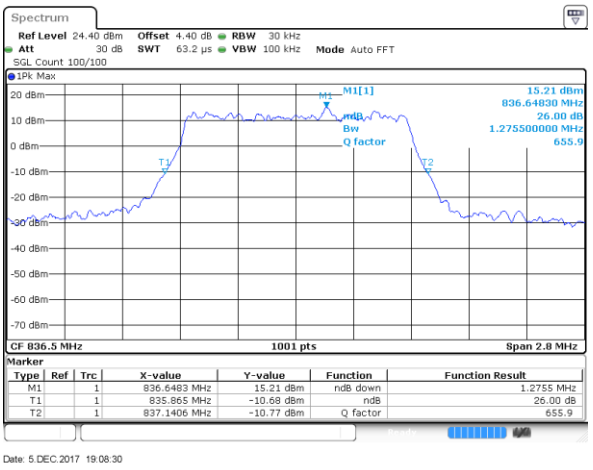
Lowest Channel / 1.4MHz / 16QAM



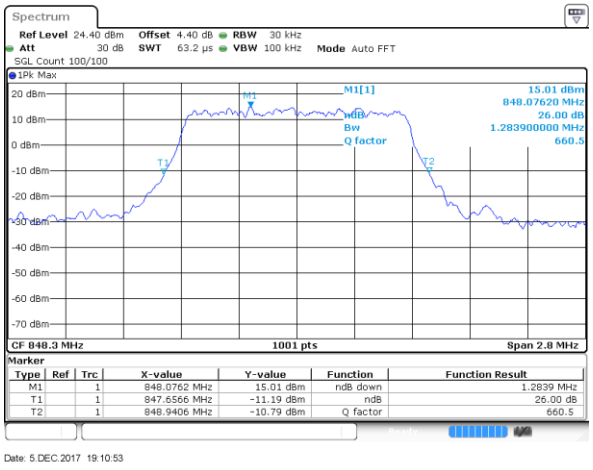
Middle Channel / 1.4MHz / QPSK



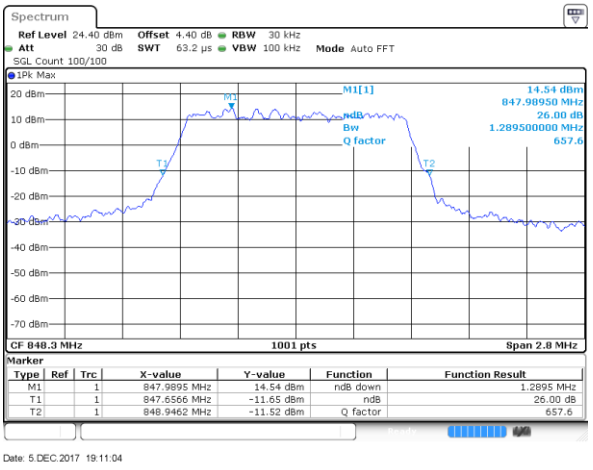
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

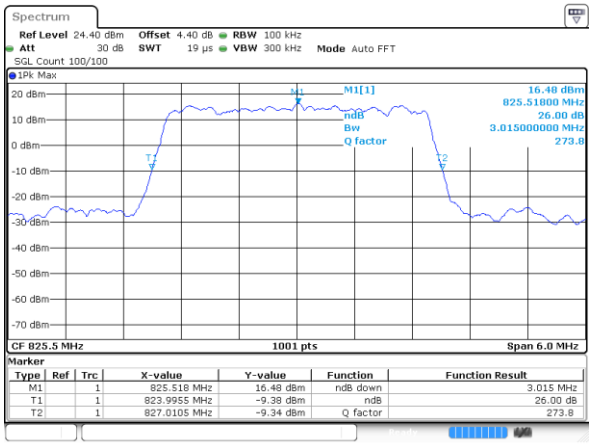


Highest Channel / 1.4MHz / 16QAM

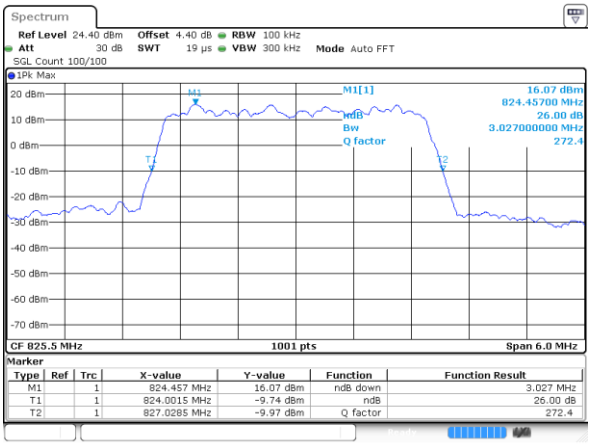


LTE Band 5

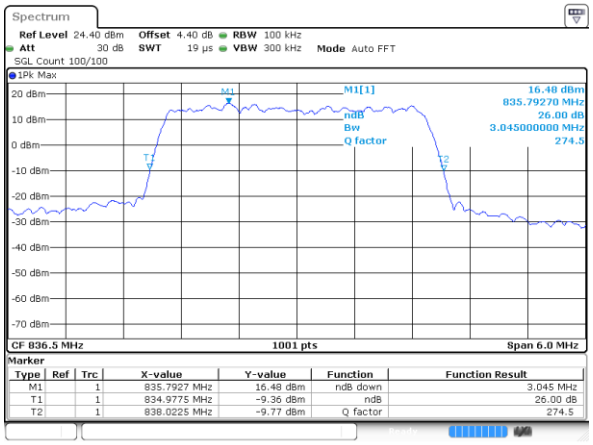
Lowest Channel / 3MHz / QPSK



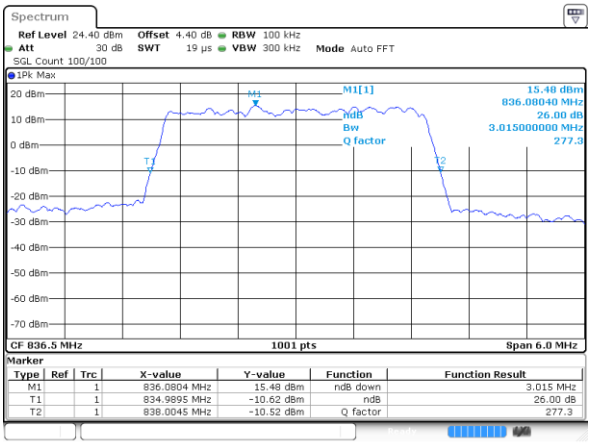
Lowest Channel / 3MHz / 16QAM



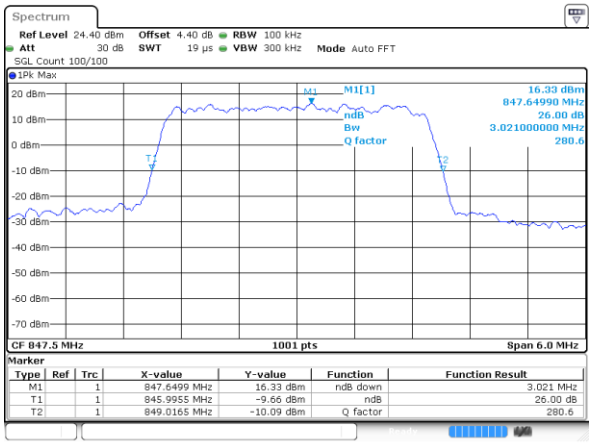
Middle Channel / 3MHz / QPSK



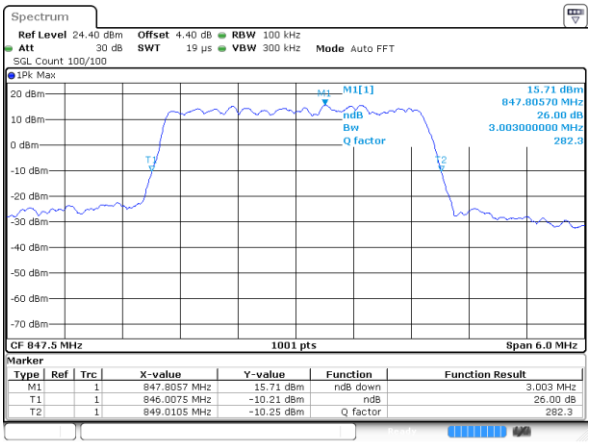
Middle Channel /3MHz / 16QAM



Highest Channel /3MHz / QPSK

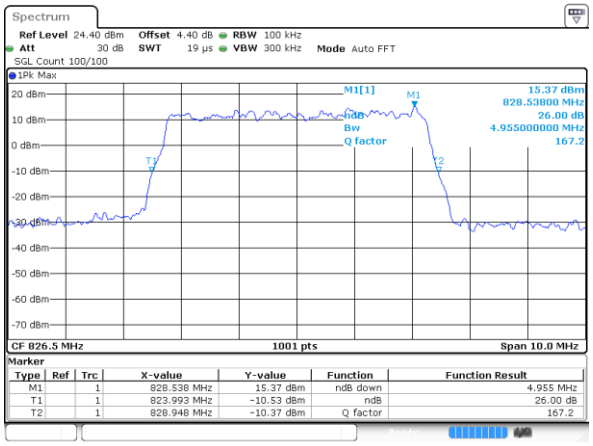


Highest Channel /3MHz / 16QAM

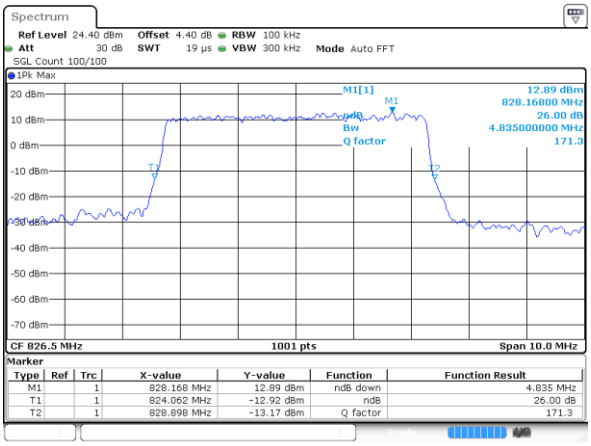


LTE Band 5

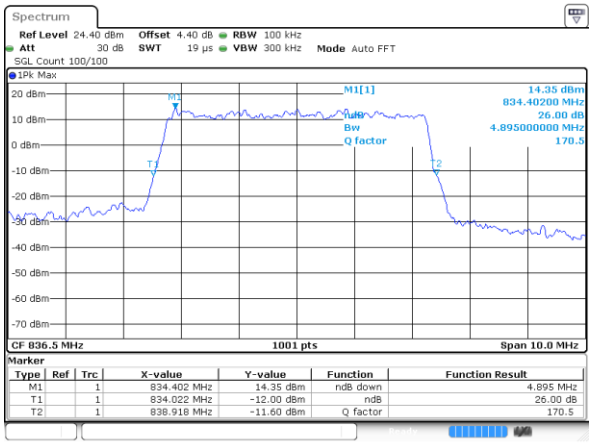
Lowest Channel / 5MHz / QPSK



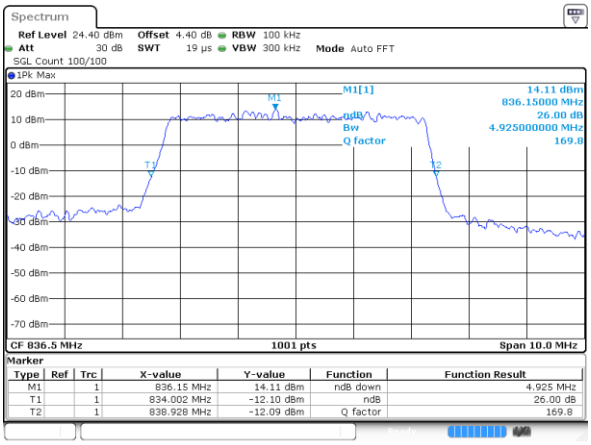
Lowest Channel / 5MHz / 16QAM



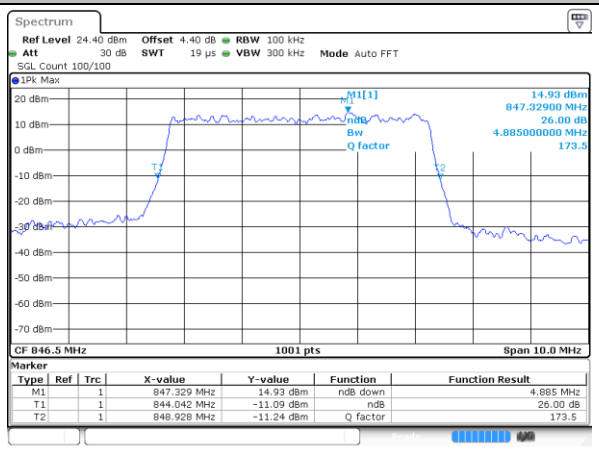
Middle Channel / 5MHz / QPSK



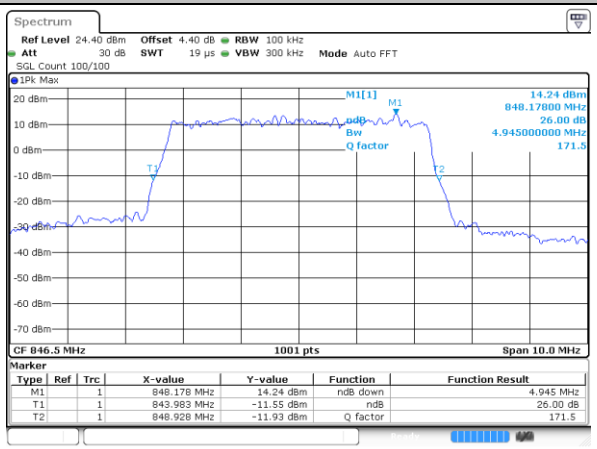
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

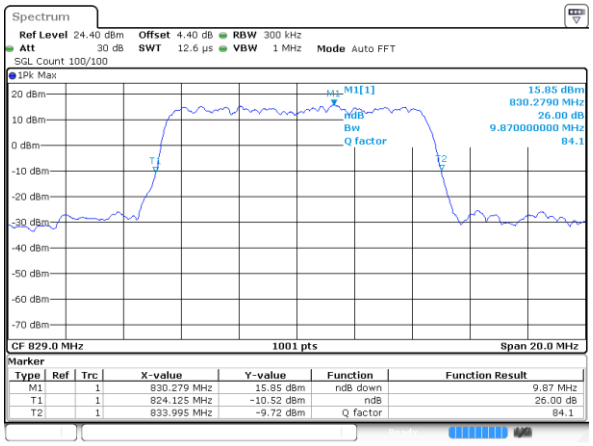


Highest Channel / 5MHz / 16QAM

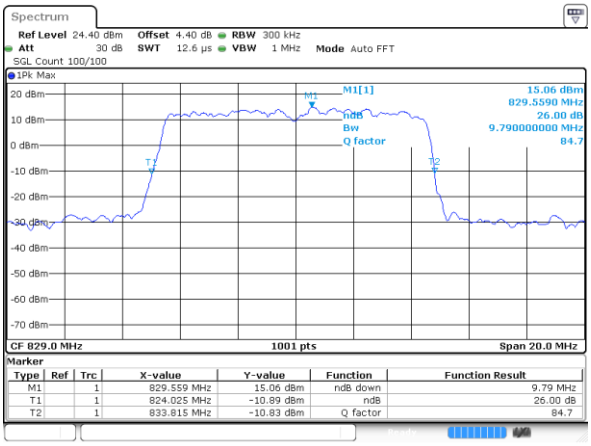


LTE Band 5

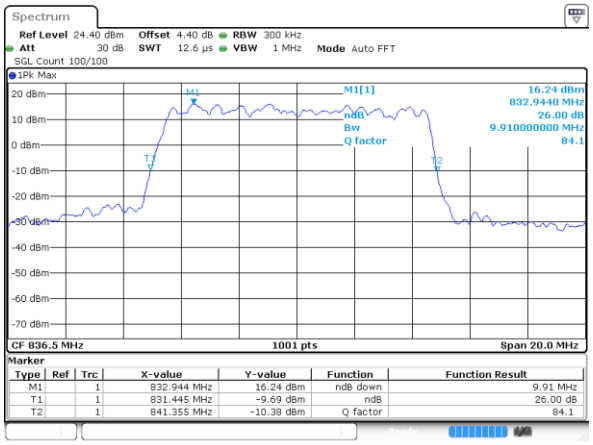
Lowest Channel / 10MHz / QPSK



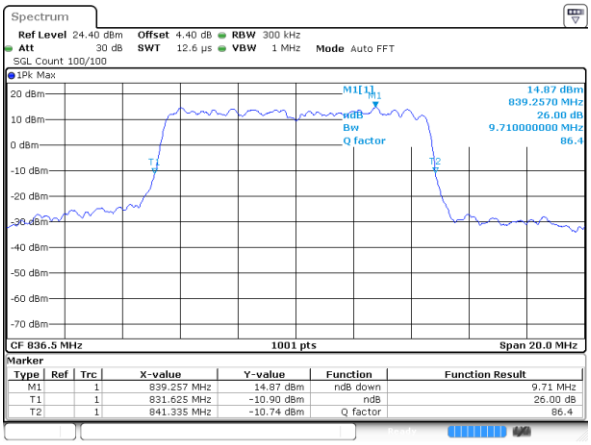
Lowest Channel / 10MHz / 16QAM



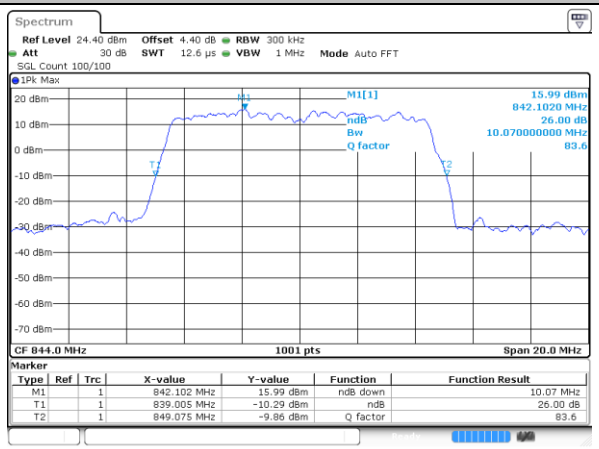
Middle Channel / 10MHz / QPSK



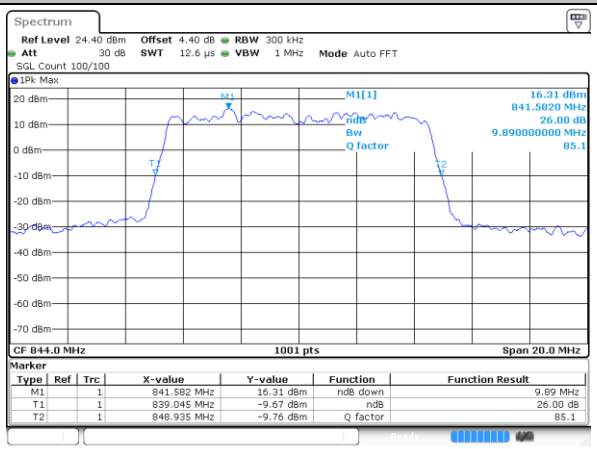
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

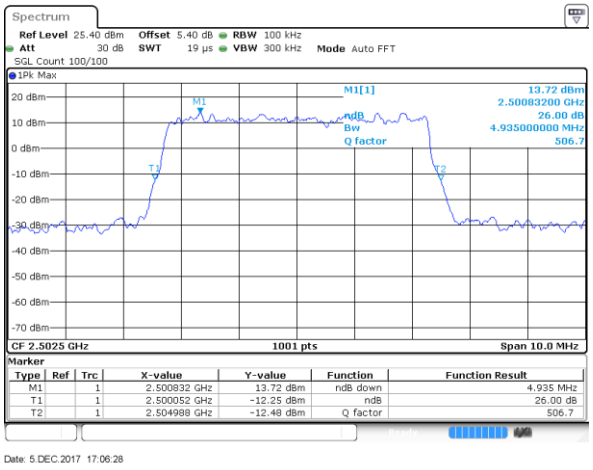


Highest Channel / 10MHz / 16QAM

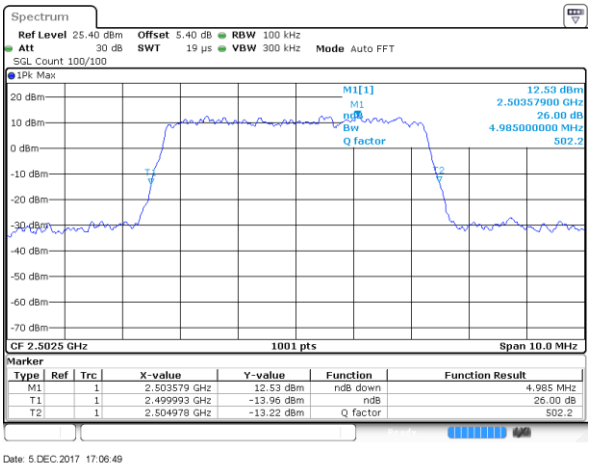


LTE Band 7

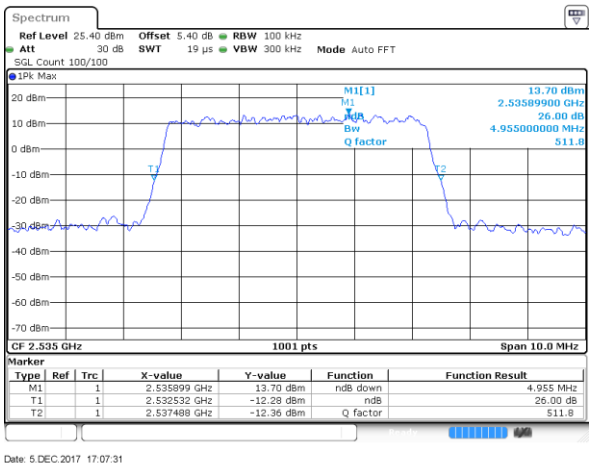
Lowest Channel / 5MHz / QPSK



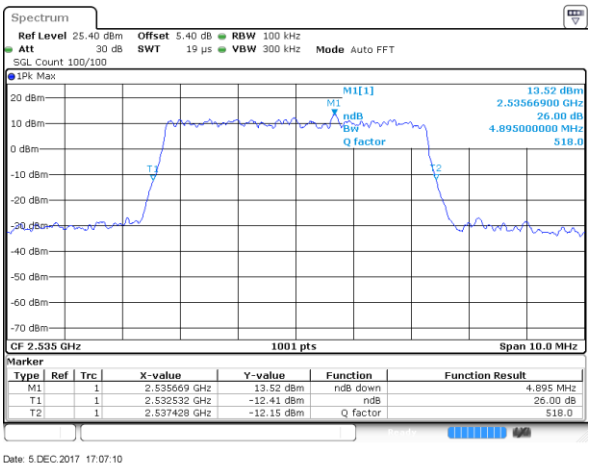
Lowest Channel / 5MHz / 16QAM



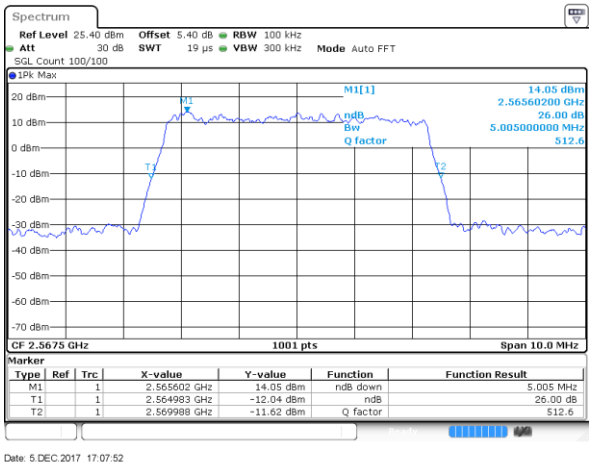
Middle Channel / 5MHz / QPSK



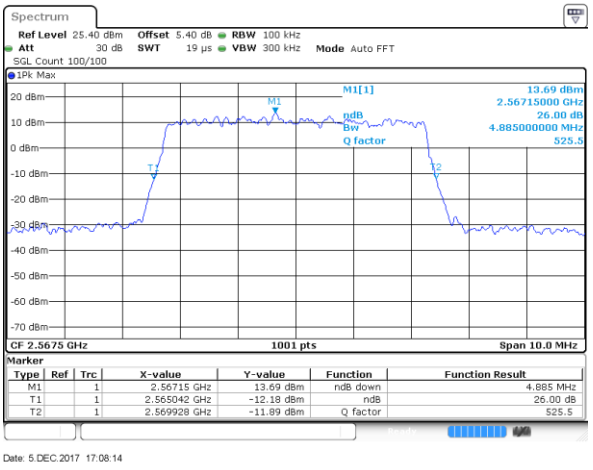
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

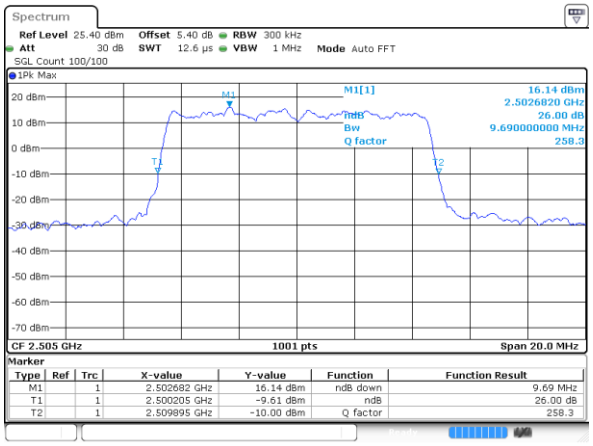


Highest Channel / 5MHz / 16QAM



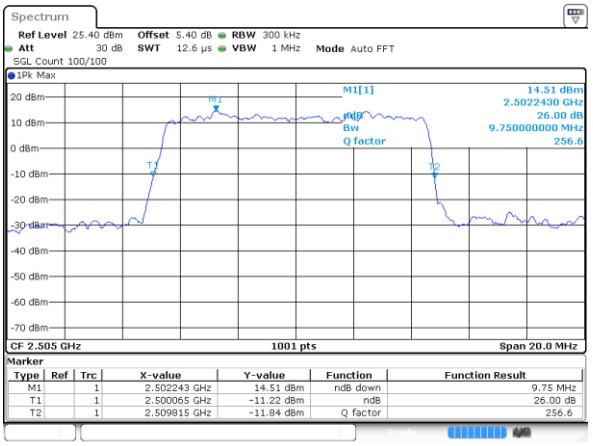
LTE Band 7

Lowest Channel / 10MHz / QPSK



Date: 5.DEC.2017 17:23:15

Lowest Channel / 10MHz / 16QAM



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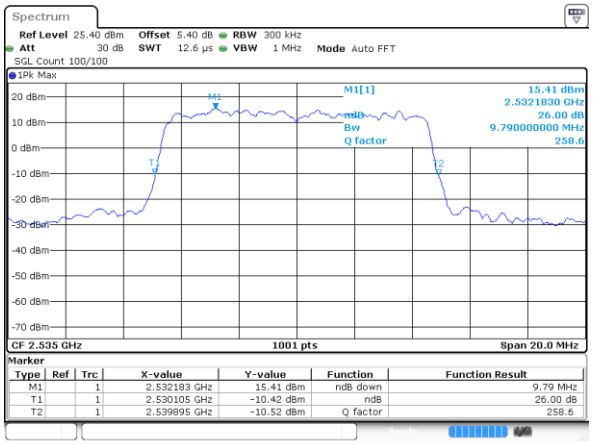
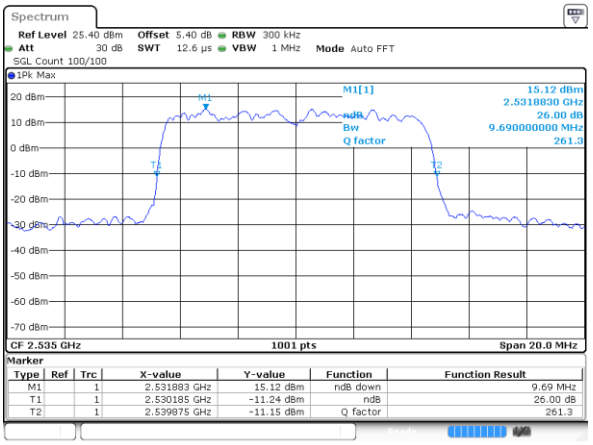
Middle Channel / 10MHz / QPSK



Date: 5.DEC.2017 17:24:18

Middle Channel / 10MHz / 16QAM



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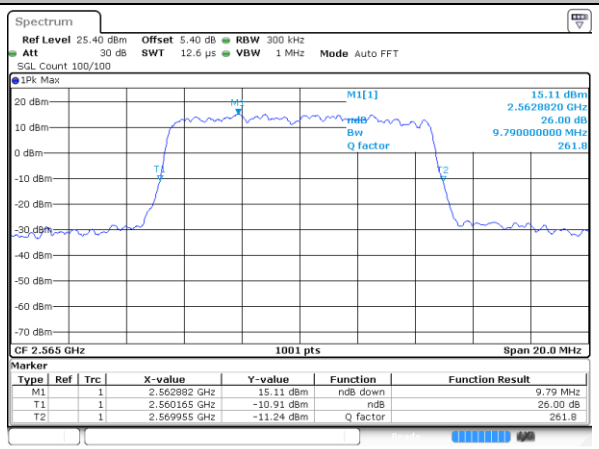
Highest Channel / 10MHz / QPSK



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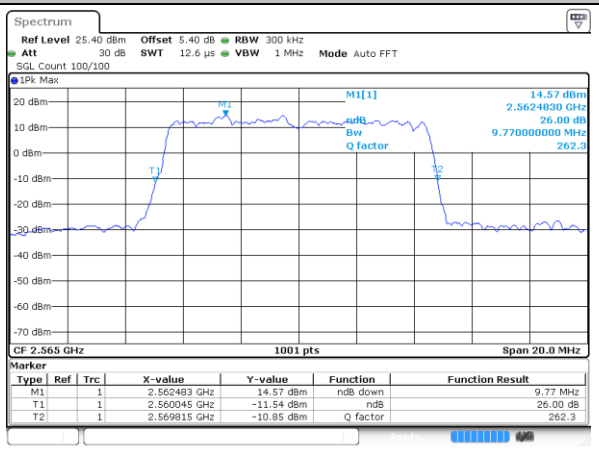
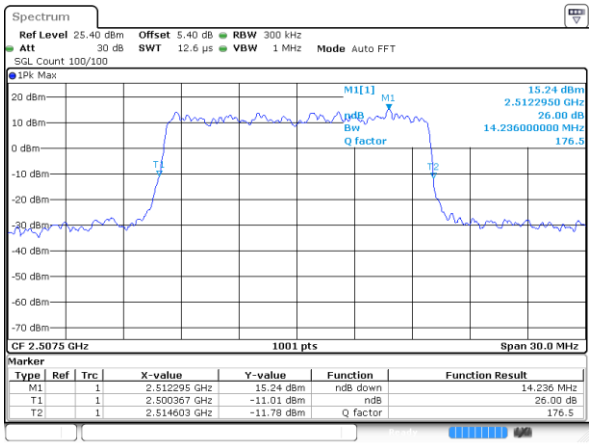
Highest Channel / 10MHz / 16QAM



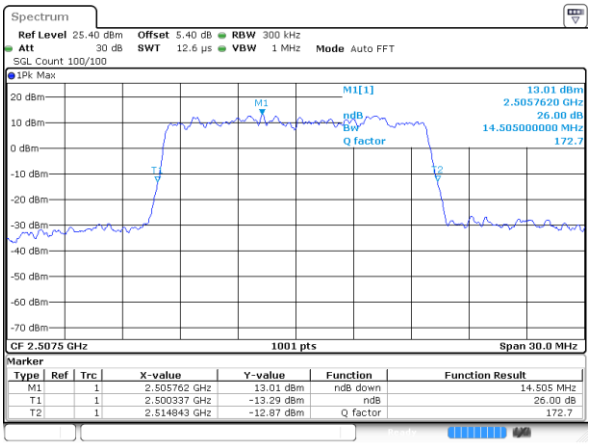
Date: 5.DEC.2017 17:25:00

LTE Band 7

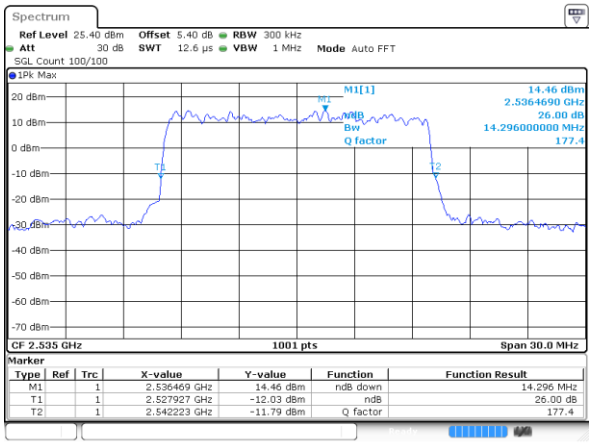
Lowest Channel / 15MHz / QPSK



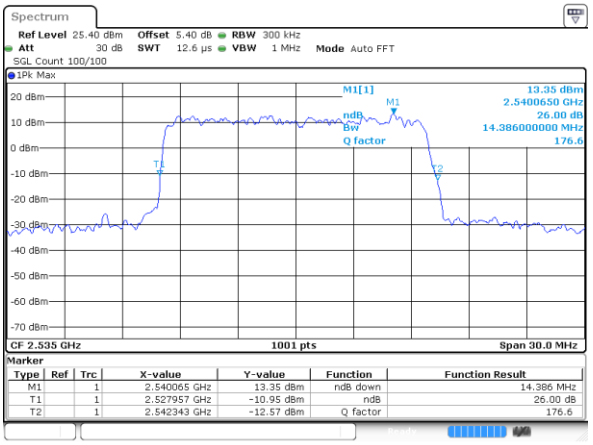
Lowest Channel / 15MHz / 16QAM



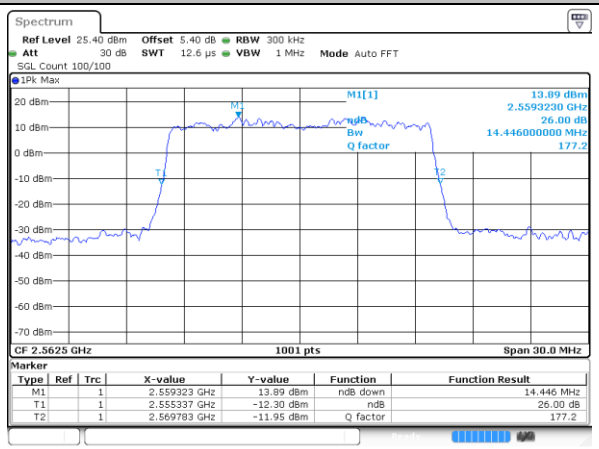
Middle Channel / 15MHz / QPSK



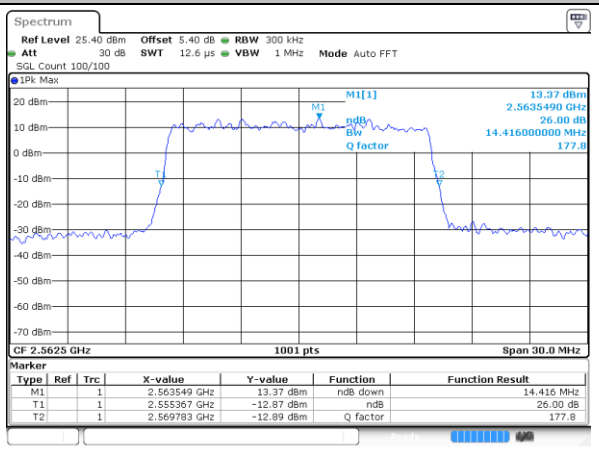
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

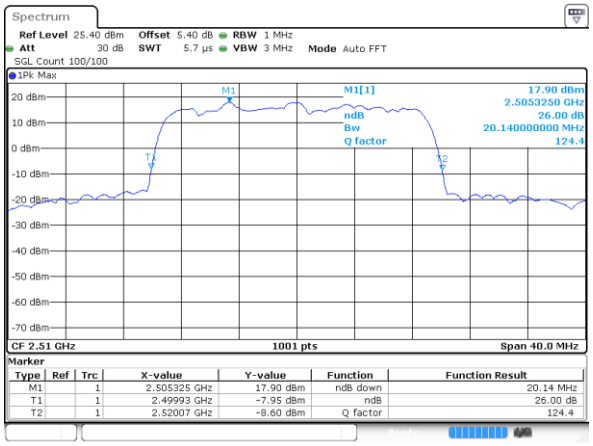


Highest Channel / 15MHz / 16QAM

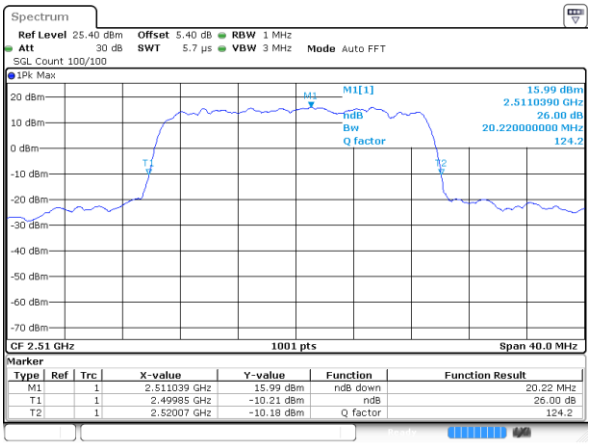


LTE Band 7

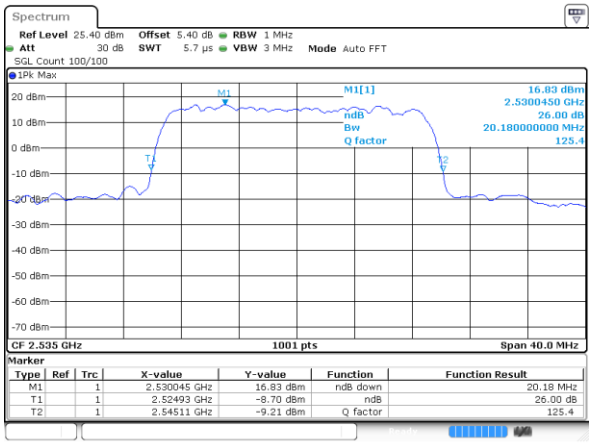
Lowest Channel / 20MHz / QPSK



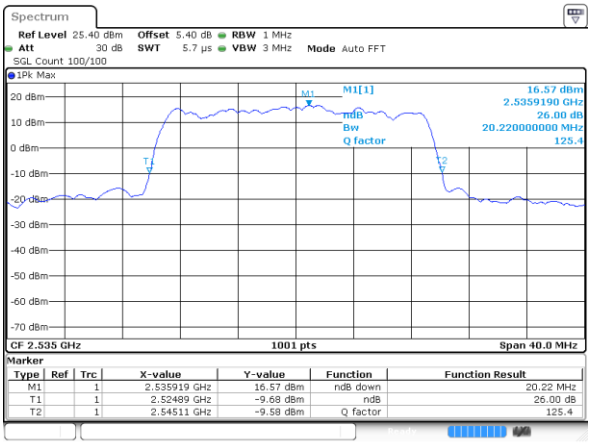
Lowest Channel / 20MHz / 16QAM



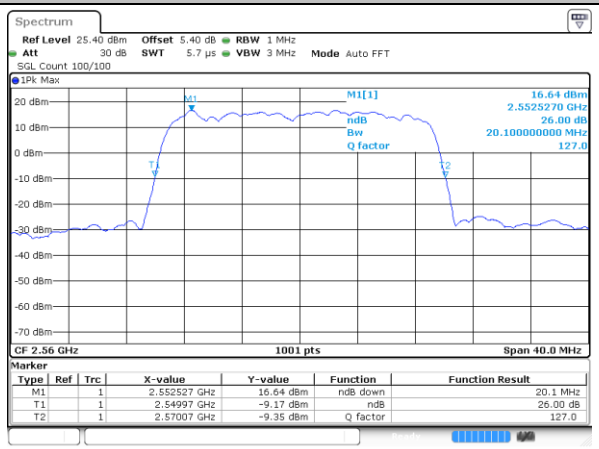
Middle Channel / 20MHz / QPSK



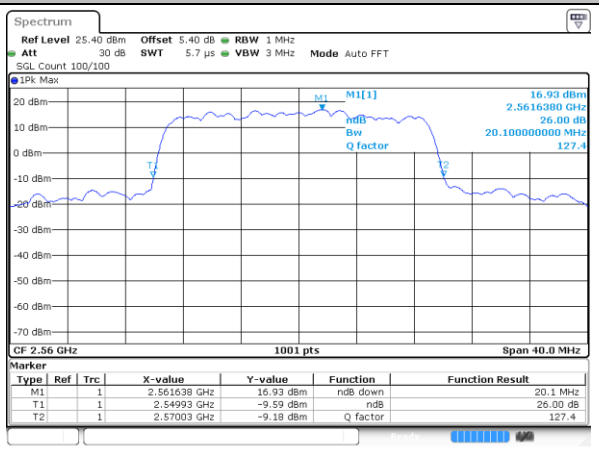
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM



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	1.1	1.09	2.73	2.71	4.49	4.49	8.97	8.95	13.37	13.37	18.26	18.14
Middle CH	1.09	1.1	2.7	2.73	4.49	4.5	8.99	9.01	13.49	13.37	18.1	18.22
Highest CH	1.1	1.1	2.7	2.72	4.48	4.49	8.99	8.99	13.43	13.4	18.22	18.26

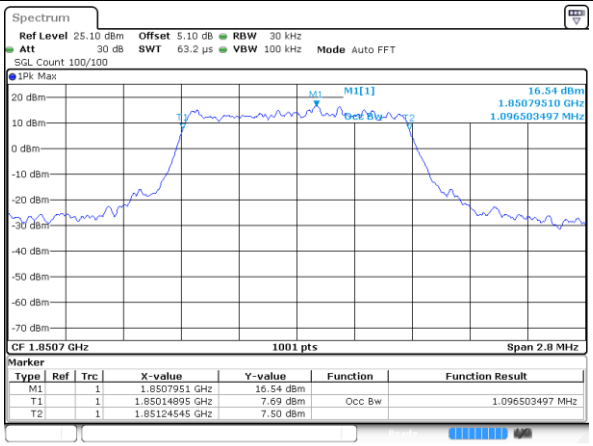
Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.1	1.09	2.7	2.72	4.48	4.49	8.97	9.05	13.46	13.46	18.3	18.54
Middle CH	1.09	1.09	2.73	2.72	4.49	4.49	8.95	8.99	13.4	13.46	18.22	18.3
Highest CH	1.09	1.1	2.7	2.72	4.49	4.5	9.01	9.03	13.37	13.43	18.26	18.26

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	1.1	2.72	2.71	4.48	4.48	8.99	9.05	-	-	-	-
Middle CH	1.09	1.09	2.72	2.74	4.48	4.49	9.07	9.01	-	-	-	-
Highest CH	1.09	1.1	2.72	2.73	4.5	4.49	8.99	9.01	-	-	-	-

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	-	-	-	-	4.52	4.48	9.01	8.99	13.52	13.46	18.5	18.26
Middle CH	-	-	-	-	4.49	4.48	9.01	9.01	13.43	13.43	18.22	18.34
Highest CH	-	-	-	-	4.49	4.49	9.03	8.93	13.37	13.46	18.54	18.46

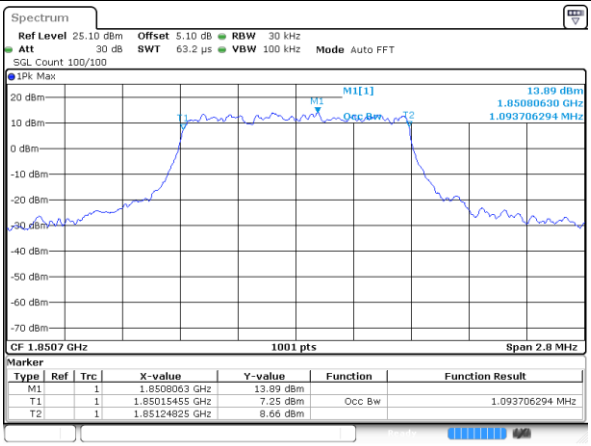
LTE Band 2

Lowest Channel / 1.4MHz / QPSK



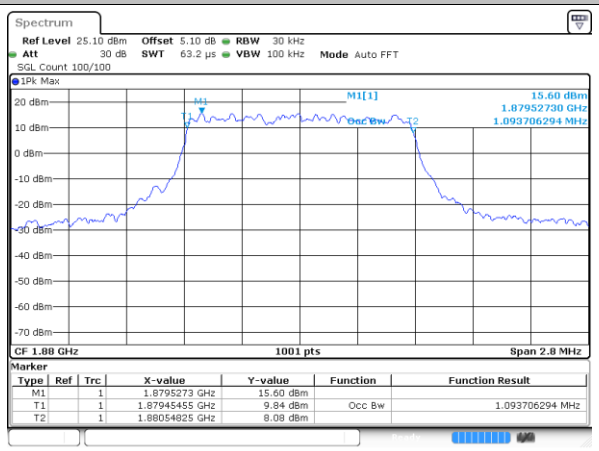
Date: 6.DEC.2017 08:10:52

Lowest Channel / 1.4MHz / 16QAM



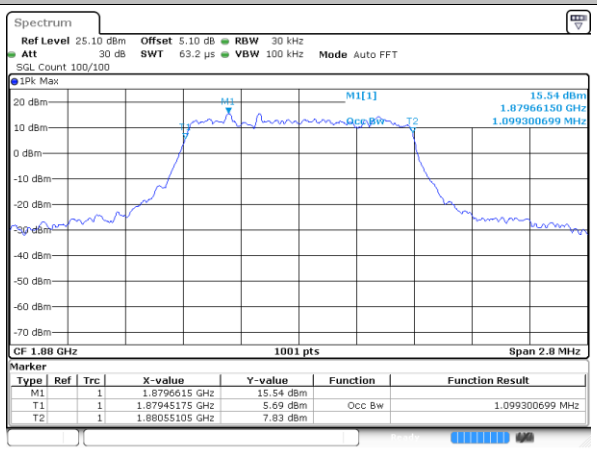
Date: 6.DEC.2017 08:11:02

Middle Channel / 1.4MHz / QPSK



Date: 6.DEC.2017 08:17:53

Middle Channel / 1.4MHz / 16QAM



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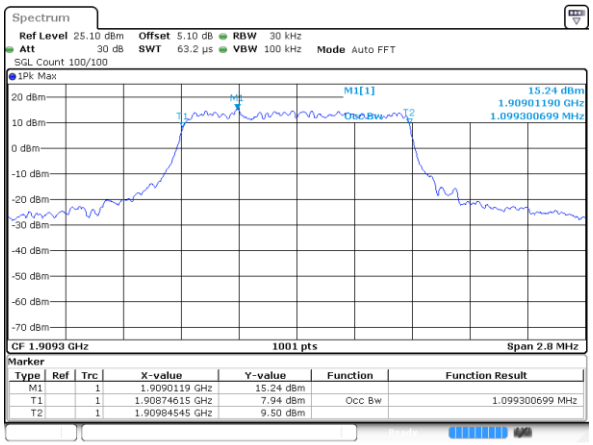
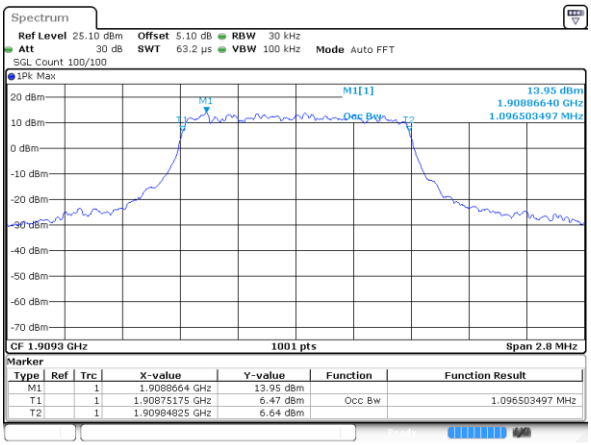
Highest Channel / 1.4MHz / QPSK



Date: 6.DEC.2017 08:20:22

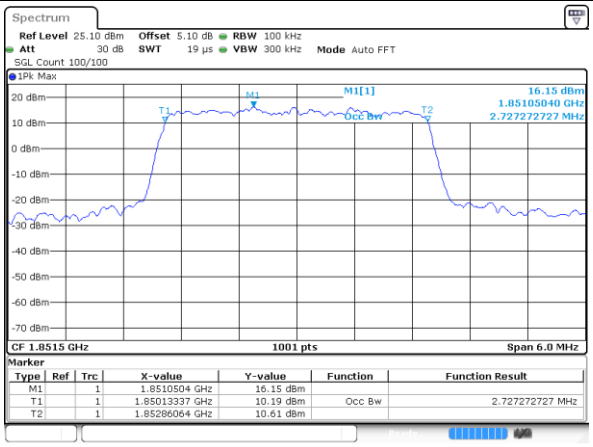
Highest Channel / 1.4MHz / 16QAM



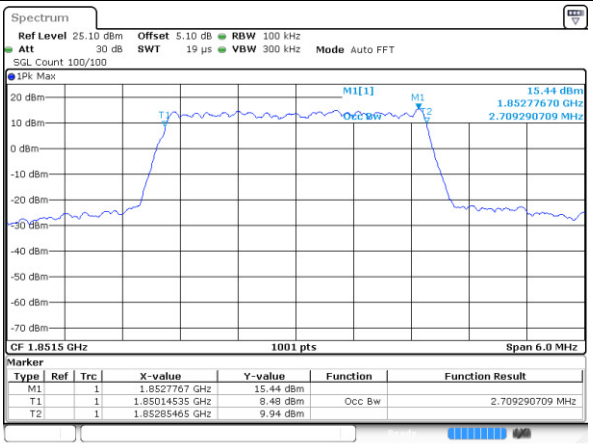
Date: 6.DEC.2017 08:20:33

LTE Band 2

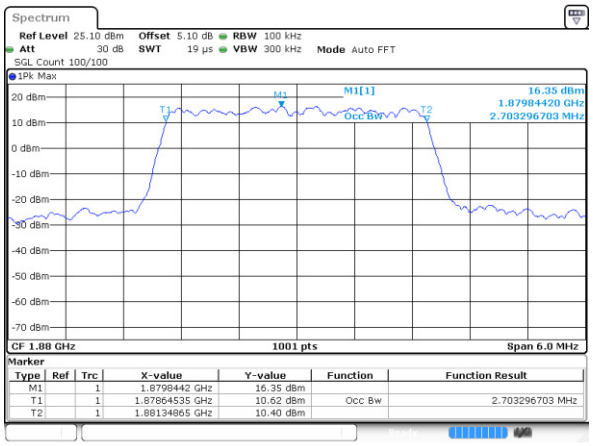
Lowest Channel / 3MHz / QPSK



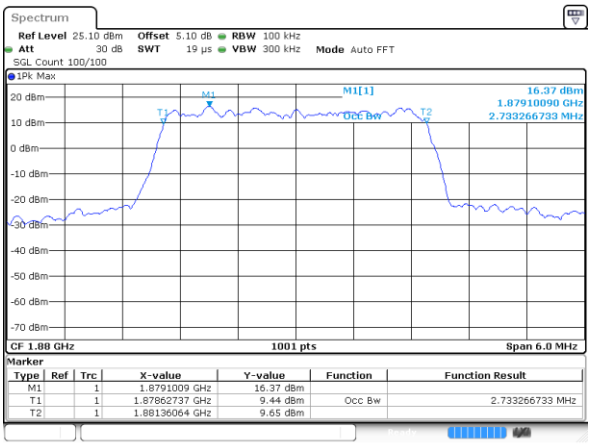
Lowest Channel / 3MHz / 16QAM



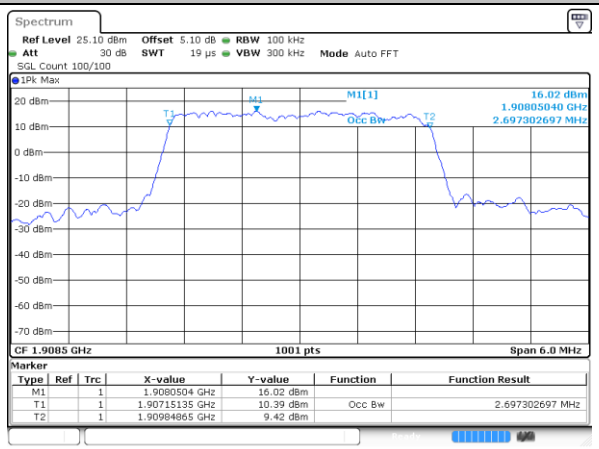
Middle Channel / 3MHz / QPSK



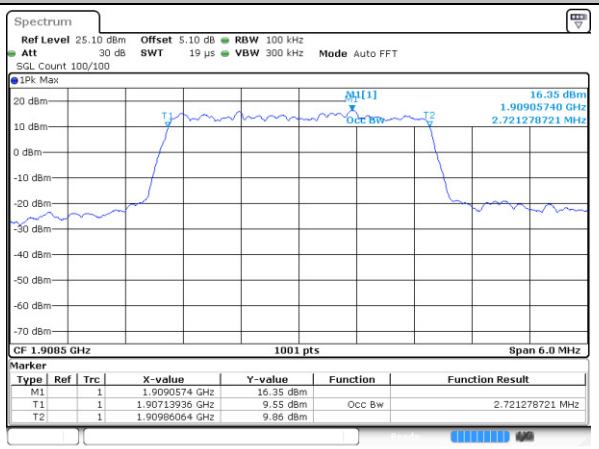
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

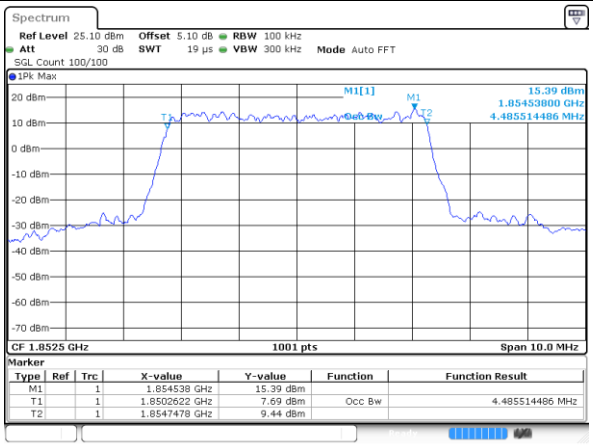


Highest Channel / 3MHz / 16QAM



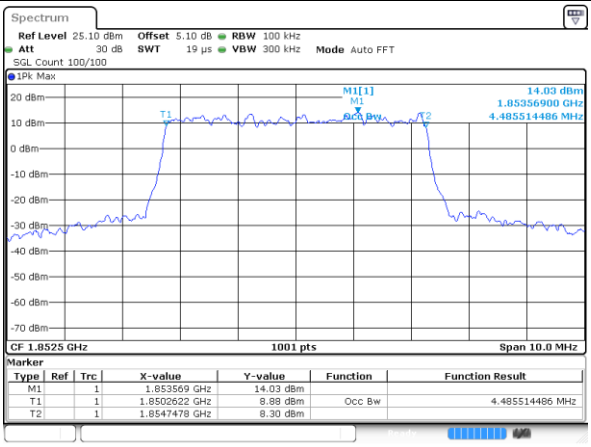
LTE Band 2

Lowest Channel / 5MHz / QPSK



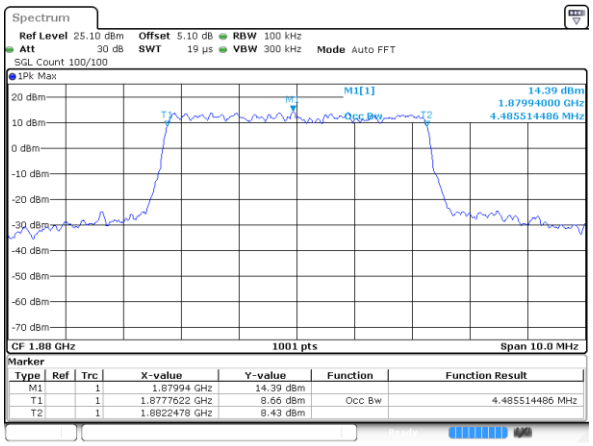
Date: 6.DEC.2017 08:43:52

Lowest Channel / 5MHz / 16QAM



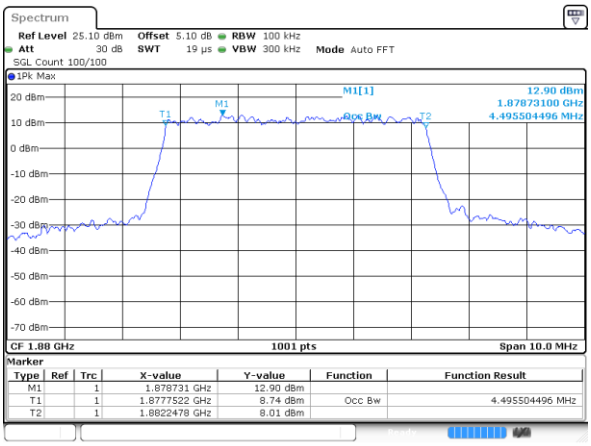
Date: 6.DEC.2017 08:44:03

Middle Channel / 5MHz / QPSK



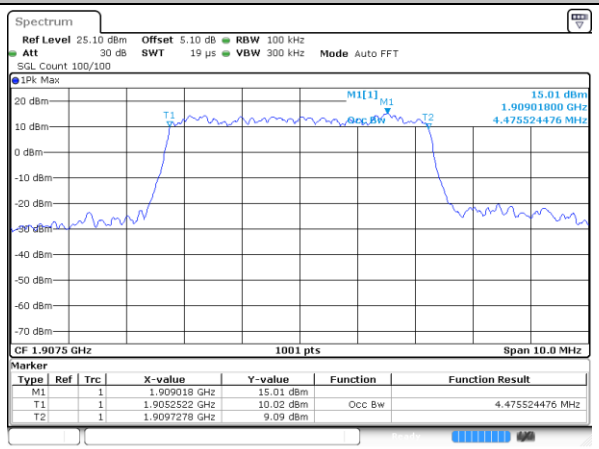
Date: 6.DEC.2017 08:50:53

Middle Channel / 5MHz / 16QAM



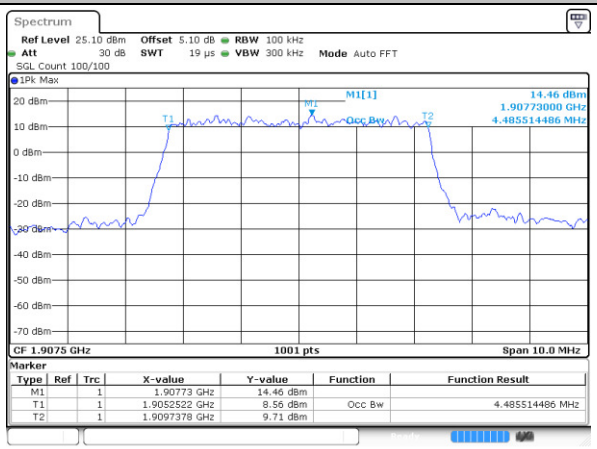
Date: 6.DEC.2017 08:51:03

Highest Channel / 5MHz / QPSK



Date: 6.DEC.2017 08:53:23

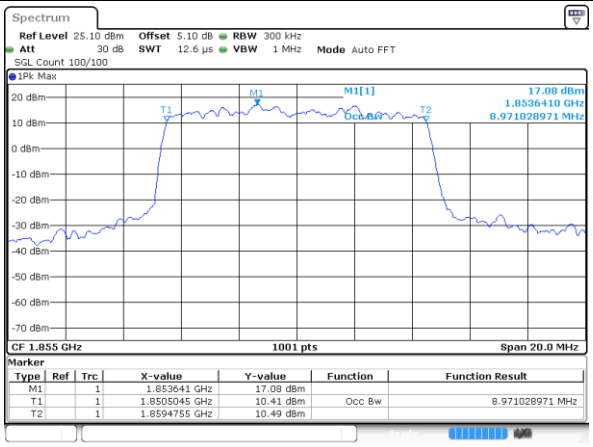
Highest Channel / 5MHz / 16QAM



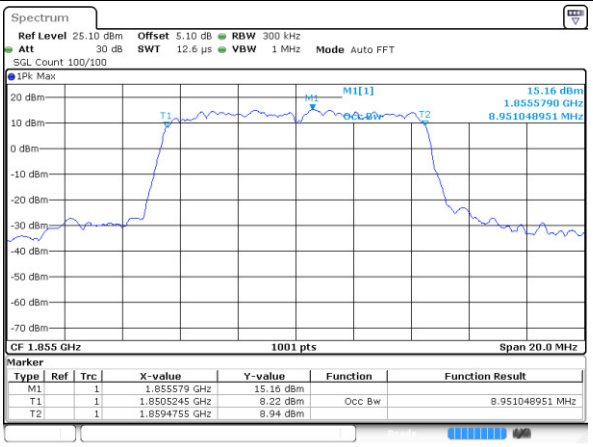
Date: 6.DEC.2017 08:53:33

LTE Band 2

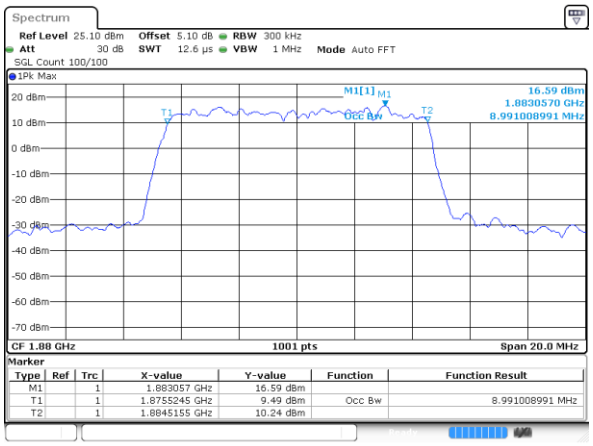
Lowest Channel / 10MHz / QPSK



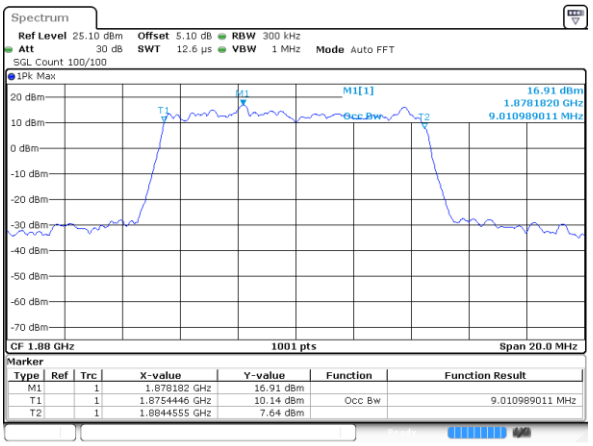
Lowest Channel / 10MHz / 16QAM



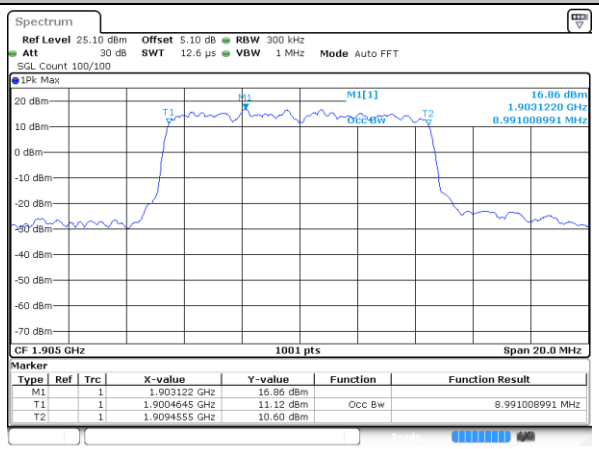
Middle Channel / 10MHz / QPSK



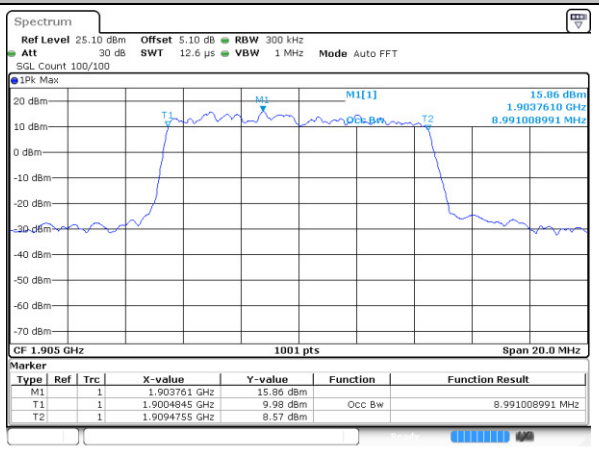
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

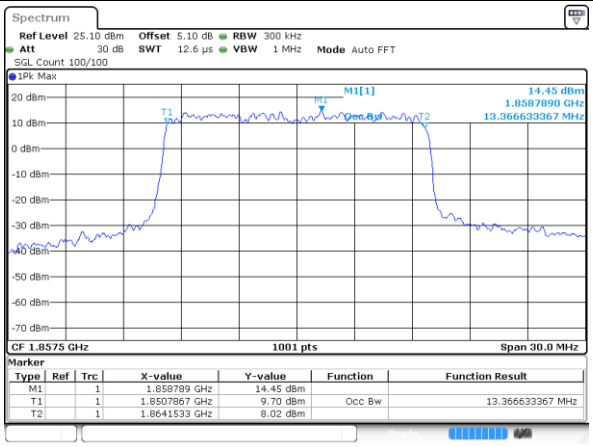


Highest Channel / 10MHz / 16QAM



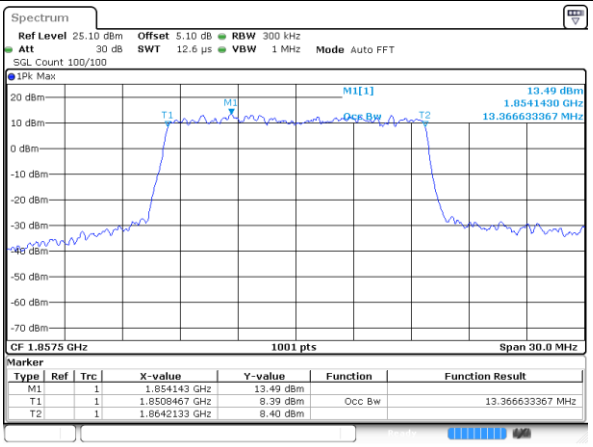
LTE Band 2

Lowest Channel / 15MHz / QPSK



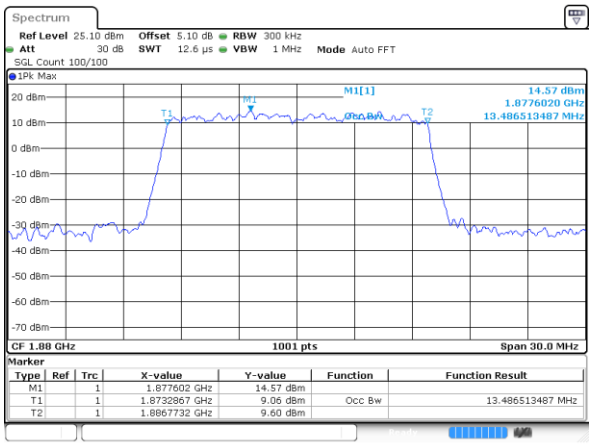
Date: 6.DEC.2017 09:16:52

Lowest Channel / 15MHz / 16QAM



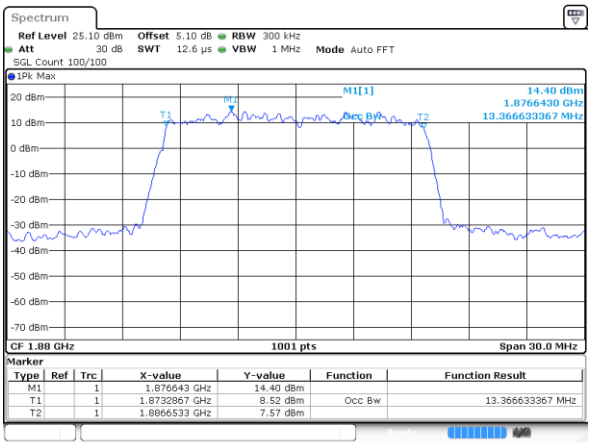
Date: 6.DEC.2017 09:17:03

Middle Channel / 15MHz / QPSK



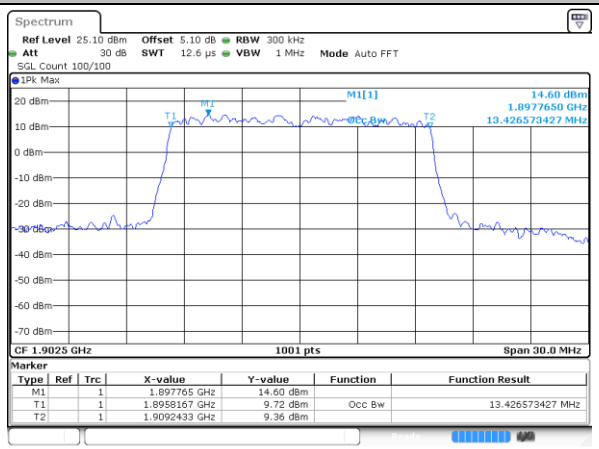
Date: 6.DEC.2017 09:23:53

Middle Channel / 15MHz / 16QAM



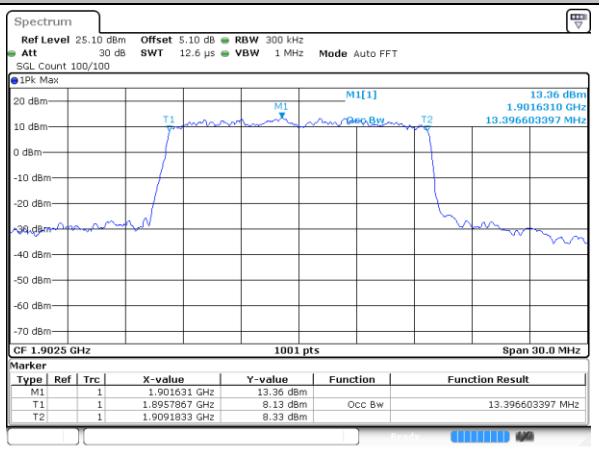
Date: 6.DEC.2017 09:24:03

Highest Channel / 15MHz / QPSK



Date: 6.DEC.2017 09:26:22

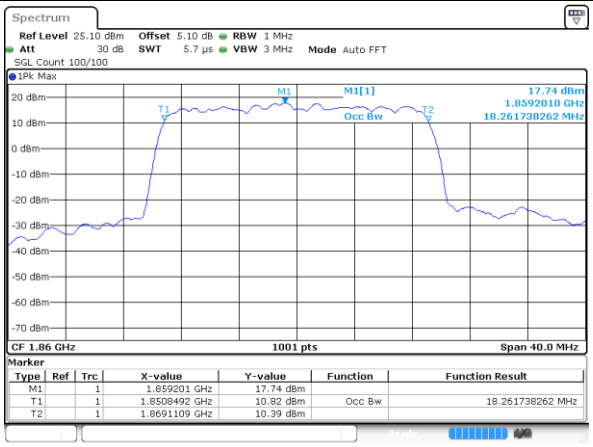
Highest Channel / 15MHz / 16QAM



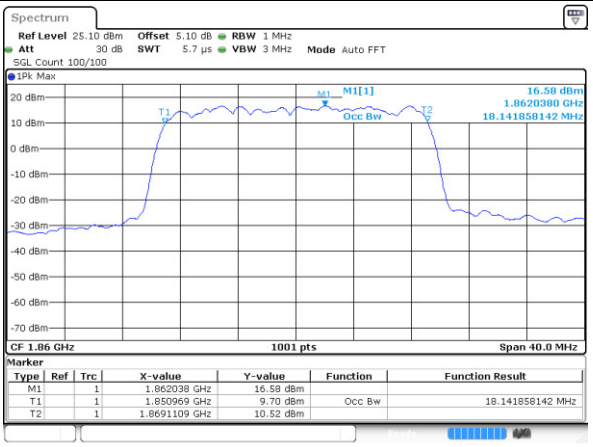
Date: 6.DEC.2017 09:26:33

LTE Band 2

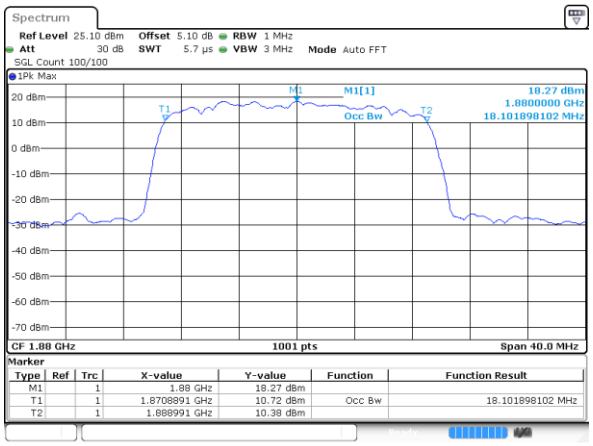
Lowest Channel / 20MHz / QPSK



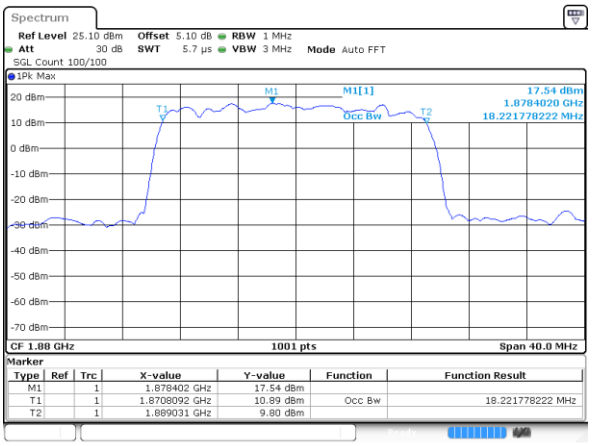
Lowest Channel / 20MHz / 16QAM



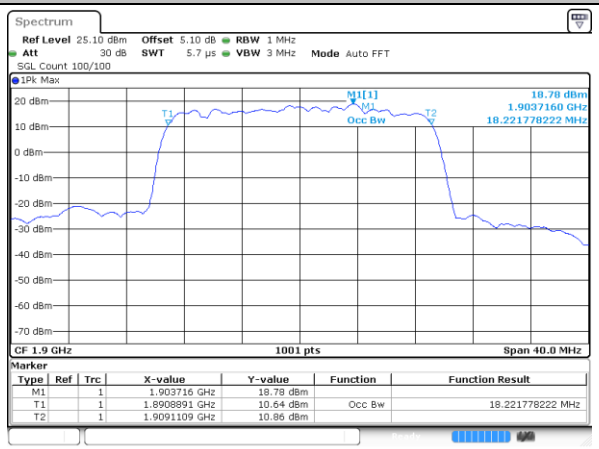
Middle Channel / 20MHz / QPSK



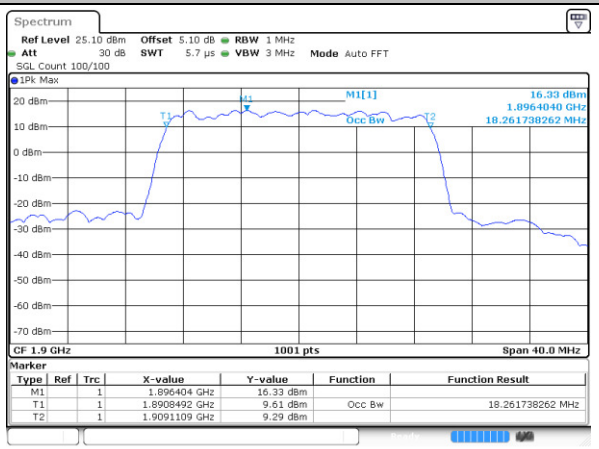
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK

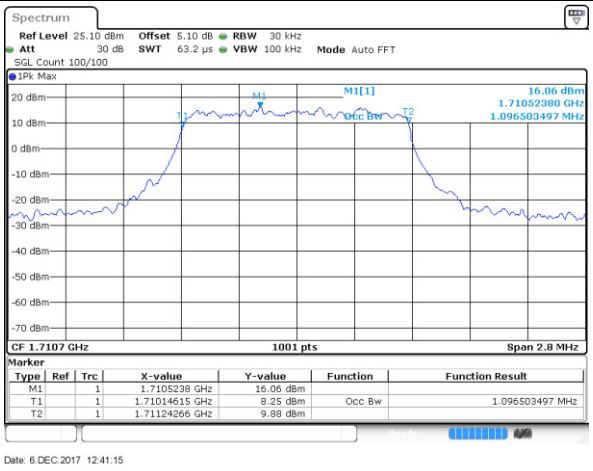


Highest Channel / 20MHz / 16QAM

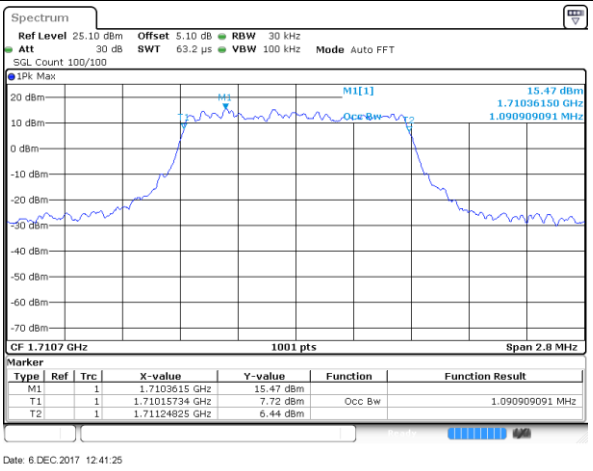


LTE Band 4

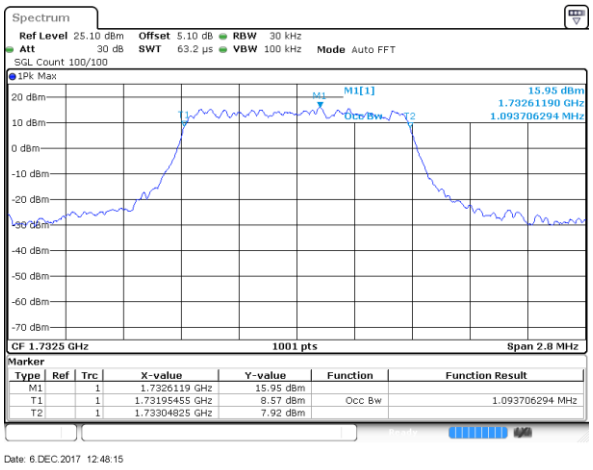
Lowest Channel / 1.4MHz / QPSK



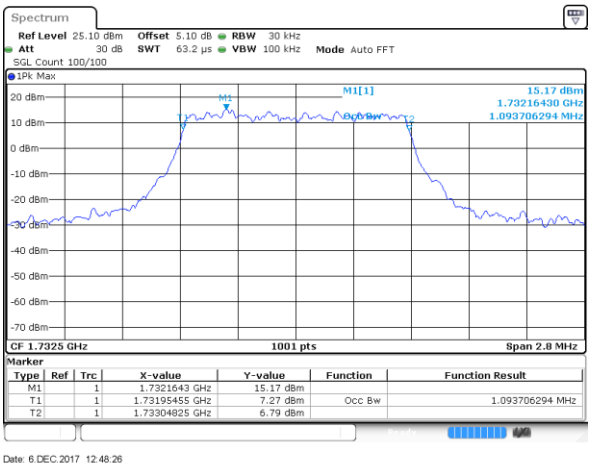
Lowest Channel / 1.4MHz / 16QAM



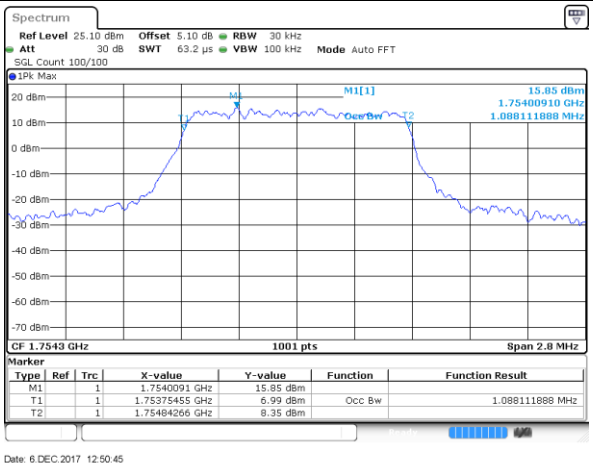
Middle Channel / 1.4MHz / QPSK



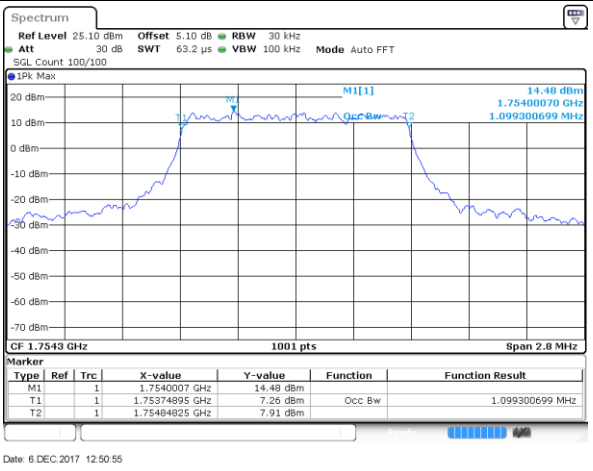
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

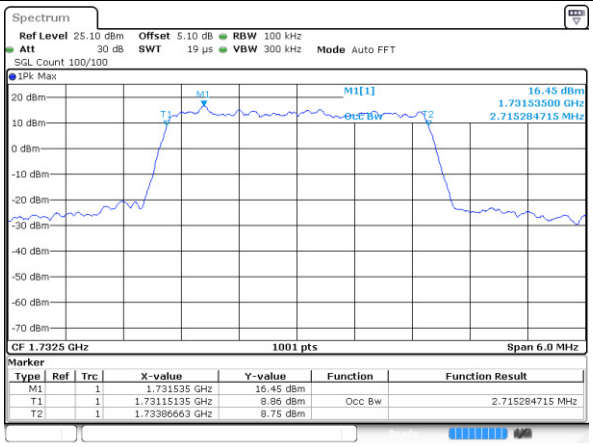


Highest Channel / 1.4MHz / 16QAM



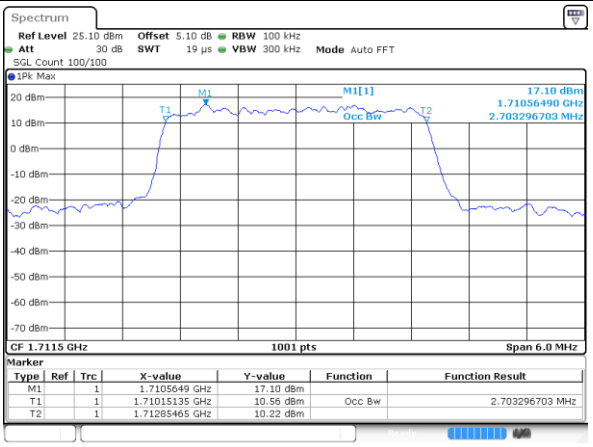
LTE Band 4

Lowest Channel / 3MHz / QPSK



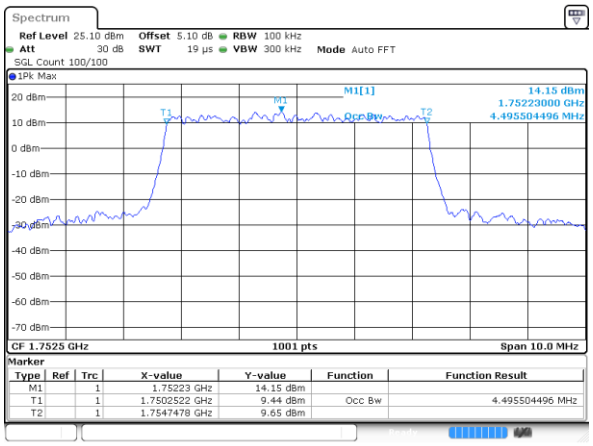
Date: 6.DEC.2017 13:04:55

Lowest Channel / 3MHz / 16QAM



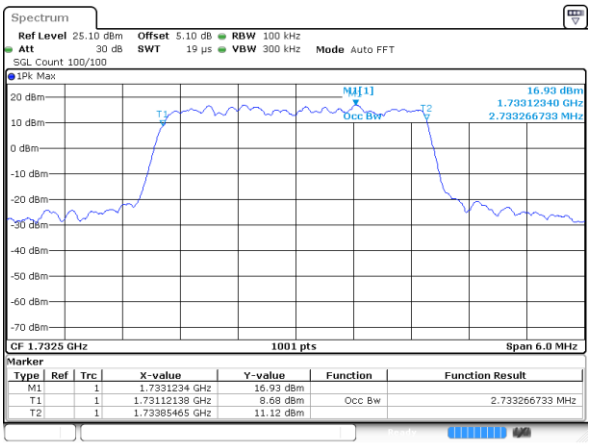
Date: 6.DEC.2017 12:57:45

Middle Channel / 3MHz / QPSK



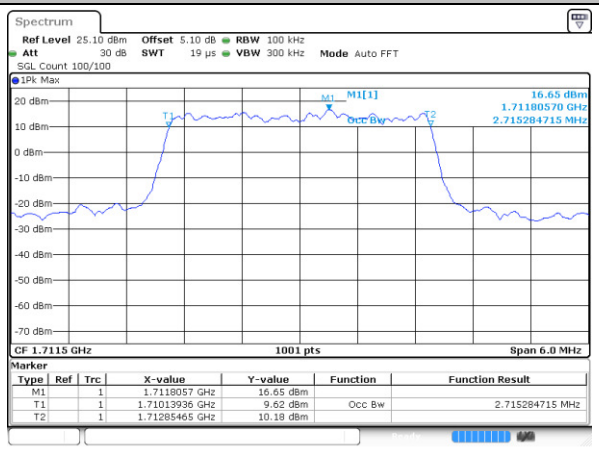
Date: 6.DEC.2017 13:23:53

Middle Channel / 3MHz / 16QAM



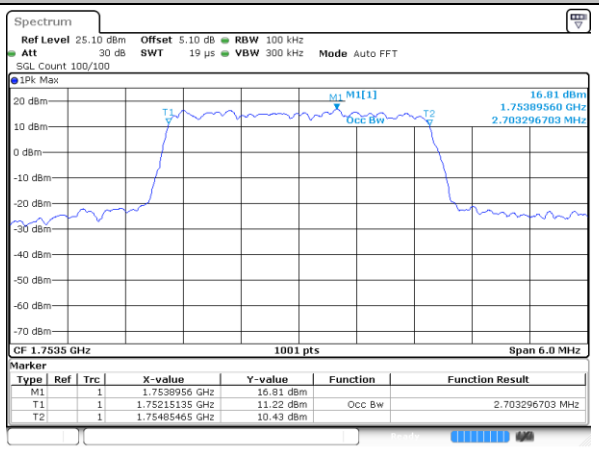
Date: 6.DEC.2017 13:04:44

Highest Channel / 3MHz / QPSK



Date: 6.DEC.2017 12:57:55

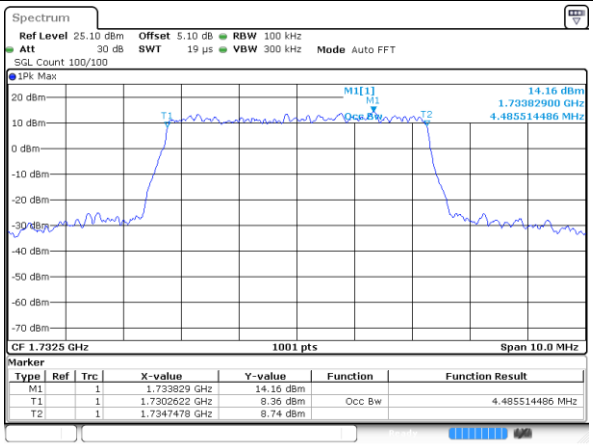
Highest Channel / 3MHz / 16QAM



Date: 6.DEC.2017 13:07:14

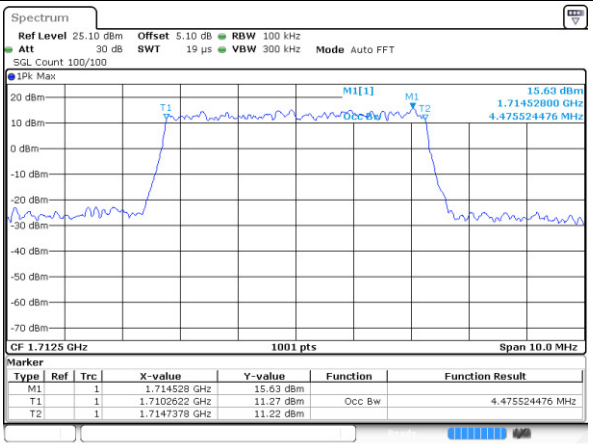
LTE Band 4

Lowest Channel / 5MHz / QPSK



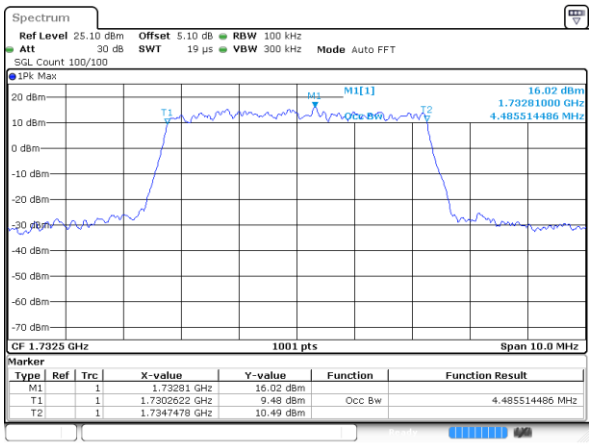
Date: 6.DEC.2017 13:21:23

Lowest Channel / 5MHz / 16QAM



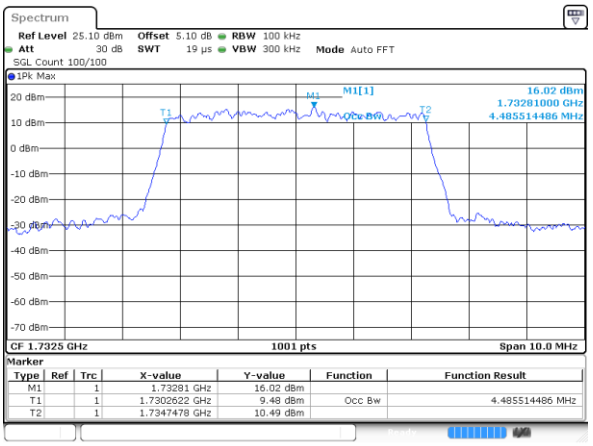
Date: 6.DEC.2017 13:14:14

Middle Channel / 5MHz / QPSK



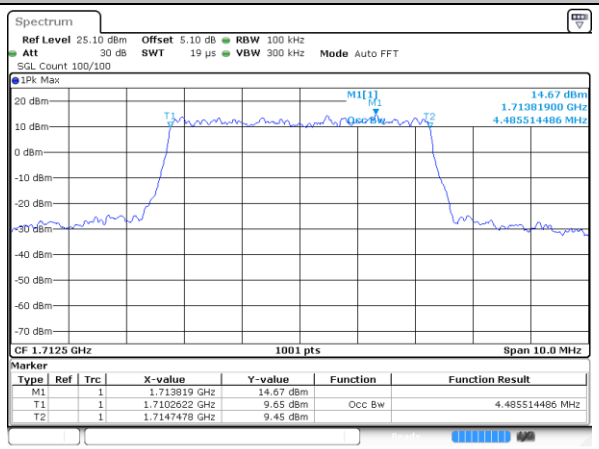
Date: 6.DEC.2017 13:21:13

Middle Channel / 5MHz / 16QAM



Date: 6.DEC.2017 13:21:13

Highest Channel / 5MHz / QPSK



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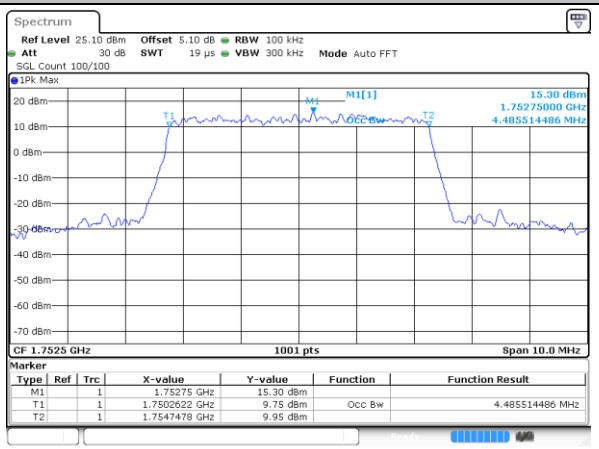
Highest Channel / 5MHz / 16QAM



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