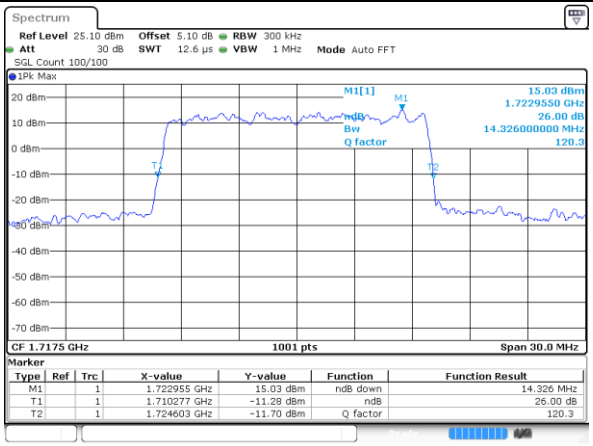
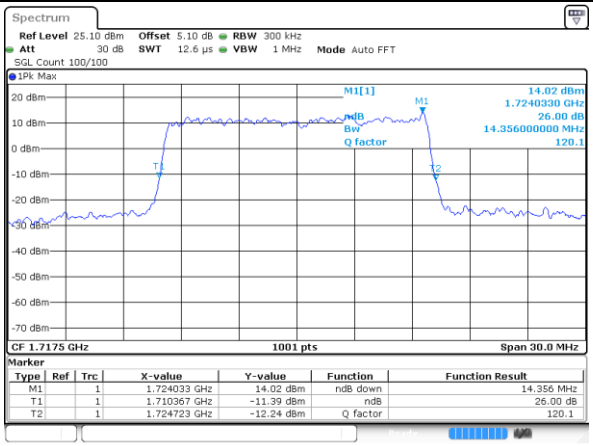
LTE Band 66

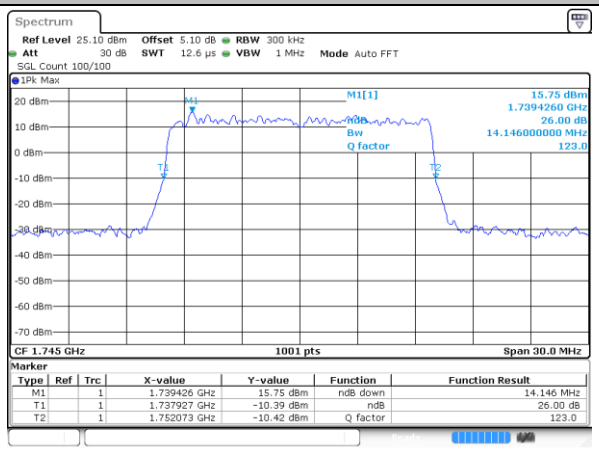
Lowest Channel / 15MHz / QPSK



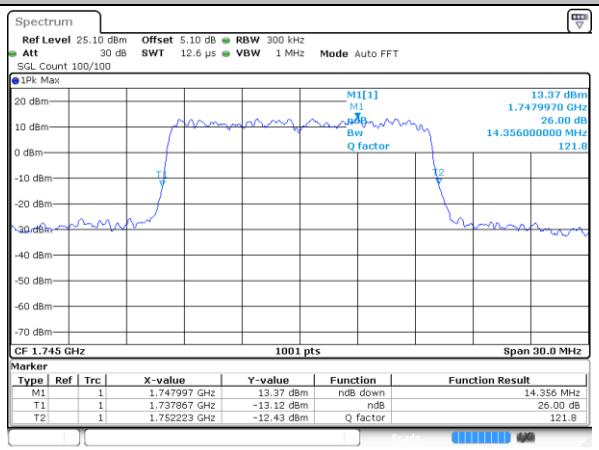
Lowest Channel / 15MHz / 16QAM



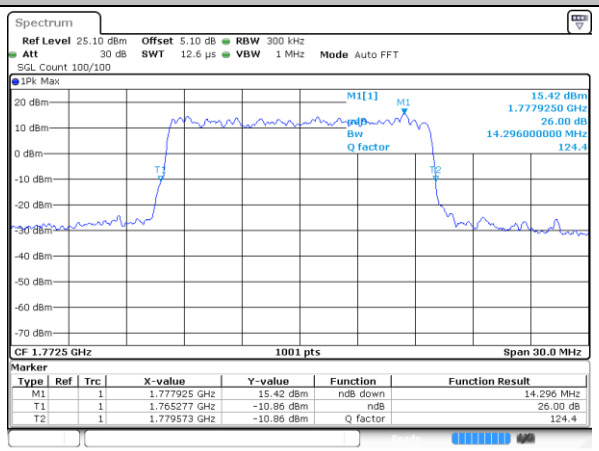
Middle Channel / 15MHz / QPSK



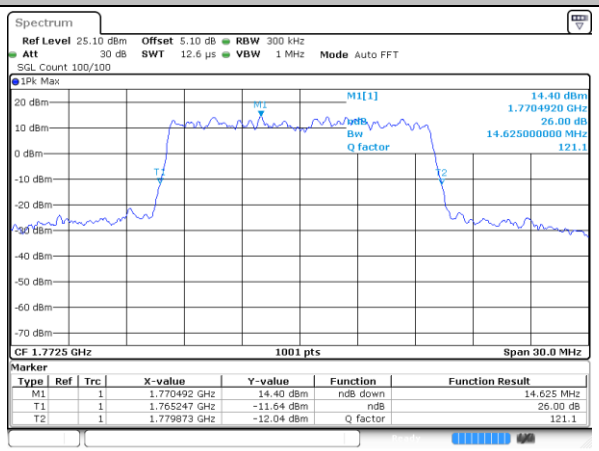
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

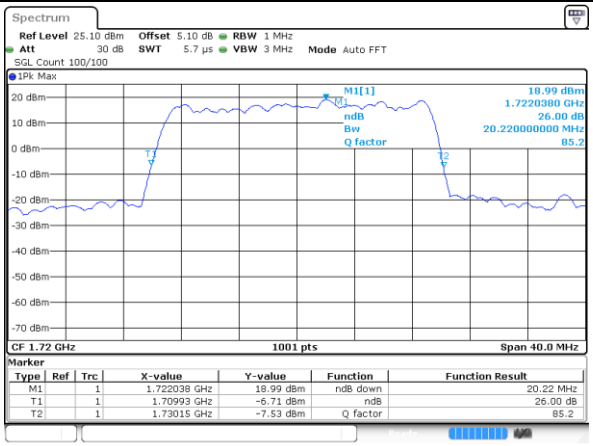


Highest Channel / 15MHz / 16QAM

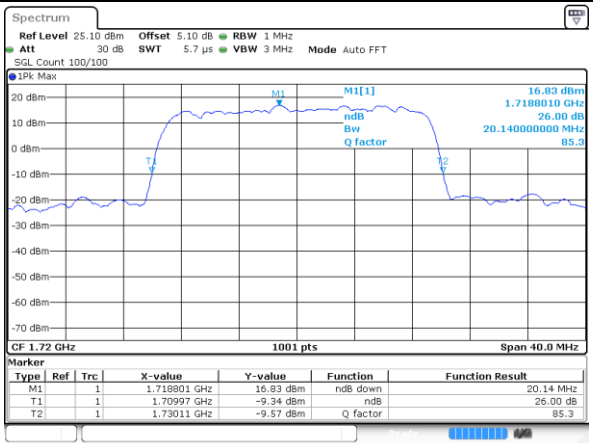


LTE Band 66

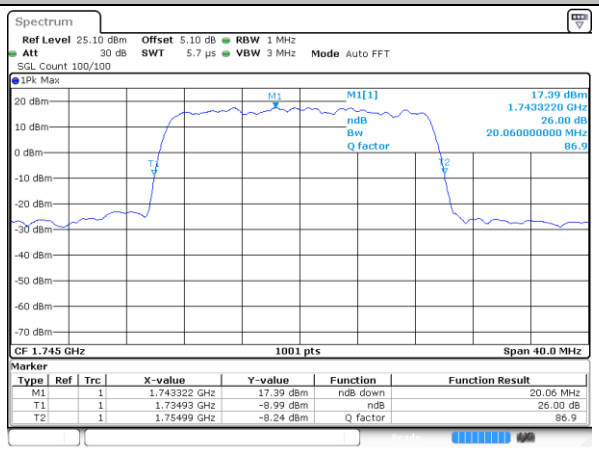
Lowest Channel / 20MHz / QPSK



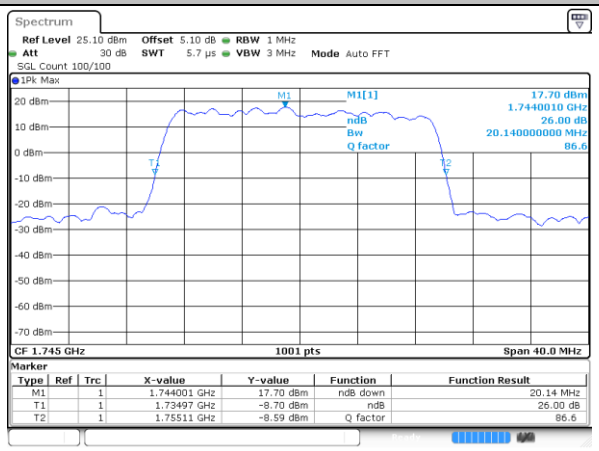
Lowest Channel / 20MHz / 16QAM



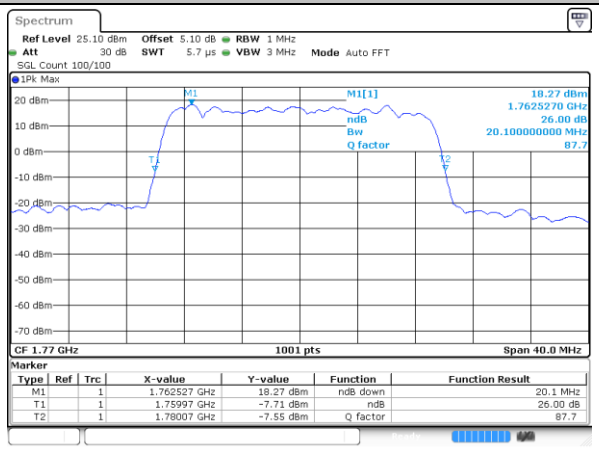
Middle Channel / 20MHz / QPSK



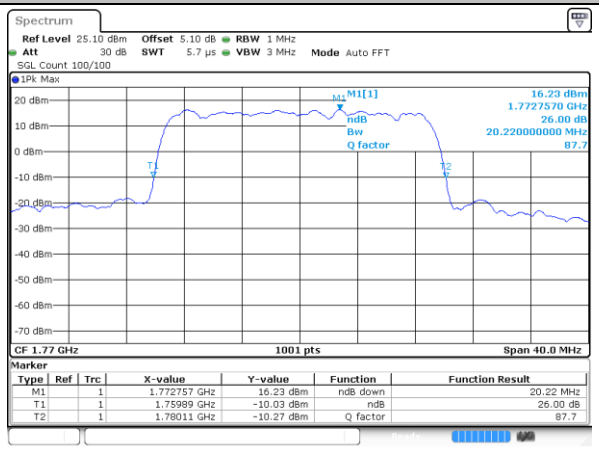
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM



Occupied Bandwidth

Mode	LTE Band 2 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.08	2.73	2.72	4.47	4.48	8.95	9.01	13.34	13.37	18.14	18.30
Middle CH	1.11	1.09	2.72	2.72	4.49	4.47	8.99	9.05	13.40	13.43	18.22	18.34
Highest CH	1.09	1.10	2.75	2.72	4.50	4.50	9.03	9.03	13.43	13.40	18.18	18.22

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	1.10	1.09	2.71	2.72	4.46	4.47	9.03	8.99	-	-	-	-
Middle CH	1.09	1.10	2.72	2.73	4.49	4.47	9.01	8.99	-	-	-	-
Highest CH	1.10	1.09	2.73	2.70	4.52	4.49	9.05	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	-	-	-	-	4.5	4.5	9.01	9.01	13.37	13.46	18.22	18.18
Middle CH	-	-	-	-	4.49	4.5	9.03	9.01	13.37	13.4	18.3	18.5
Highest CH	-	-	-	-	4.49	4.48	9.01	8.95	13.46	13.46	18.22	18.5

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	1.08	2.72	2.71	4.49	4.48	9.05	8.97	-	-	-	-
Middle CH	1.09	1.09	2.73	2.72	4.48	4.49	9.03	8.97	-	-	-	-
Highest CH	1.09	1.1	2.71	2.71	4.5	4.48	8.95	9.03	-	-	-	-

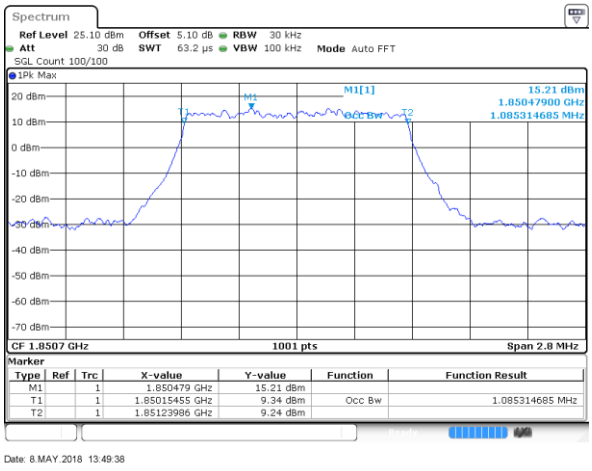
Mode	LTE Band 13 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.50	4.48	-	-	-	-	-	-
Middle CH	-	-	-	-	4.50	4.48	8.97	9.05	-	-	-	-
Highest CH	-	-	-	-	4.48	4.50	-	-	-	-	-	-

Mode	LTE Band 38 : 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	4.51	9.03	8.97	13.46	13.4	18.34	18.38
Middle CH	-	-	-	-	4.49	4.51	9.05	9.01	13.49	13.46	18.34	18.06
Highest CH	-	-	-	-	4.50	4.48	9.01	9.01	13.49	13.40	18.22	18.22

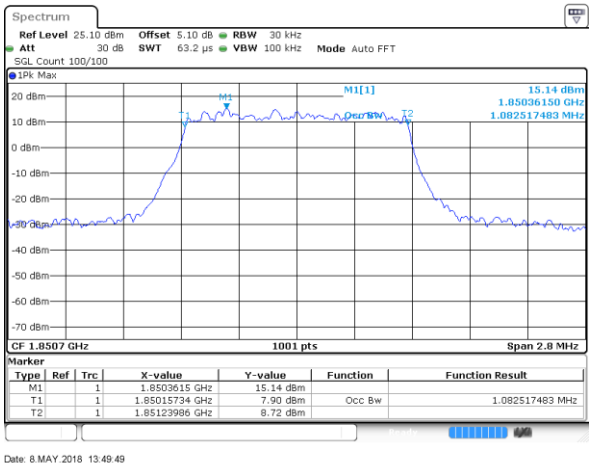
Mode	LTE Band 66 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.1	1.09	2.72	2.74	4.51	4.49	9.05	9.01	13.4	13.46	18.26	18.42
Middle CH	1.08	1.1	2.74	2.72	4.51	4.49	9.01	8.99	13.37	13.43	18.34	18.46
Highest CH	1.09	1.1	2.71	2.72	4.48	4.5	9.01	8.97	13.4	13.46	18.14	18.38

LTE Band 2

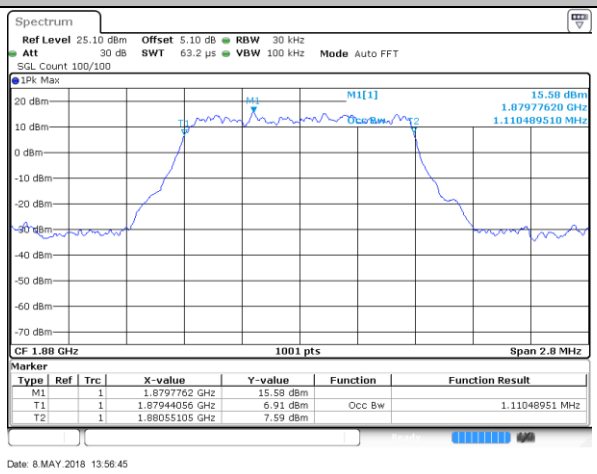
Lowest Channel / 1.4MHz / QPSK



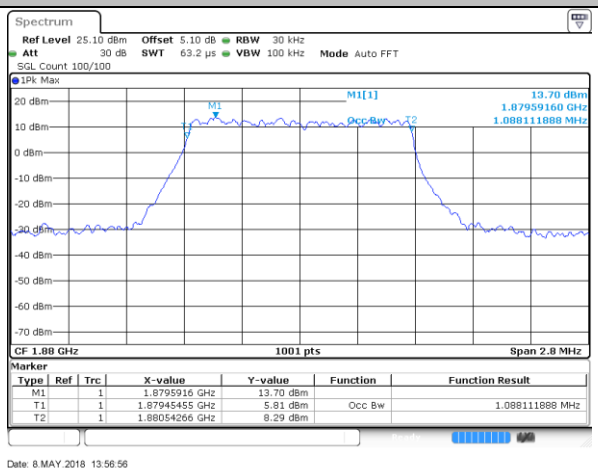
Lowest Channel / 1.4MHz / 16QAM



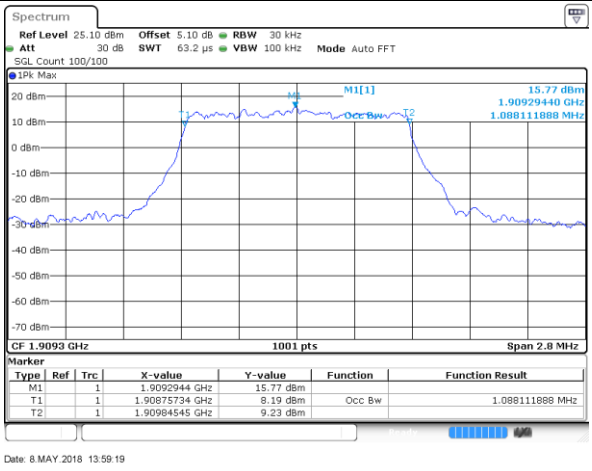
Middle Channel / 1.4MHz / QPSK



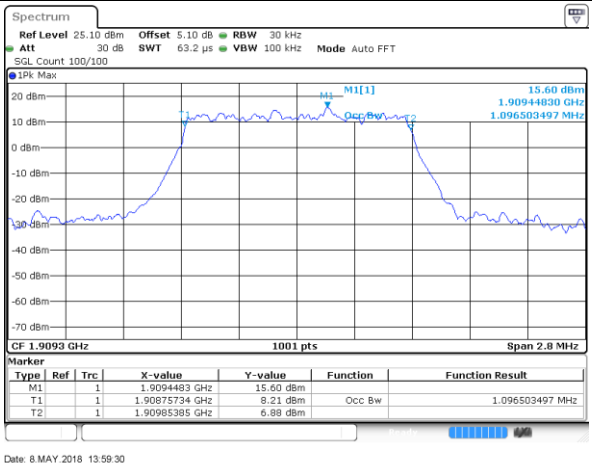
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

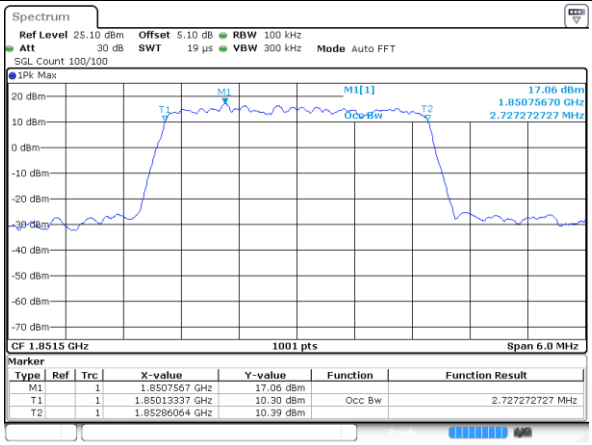


Highest Channel / 1.4MHz / 16QAM

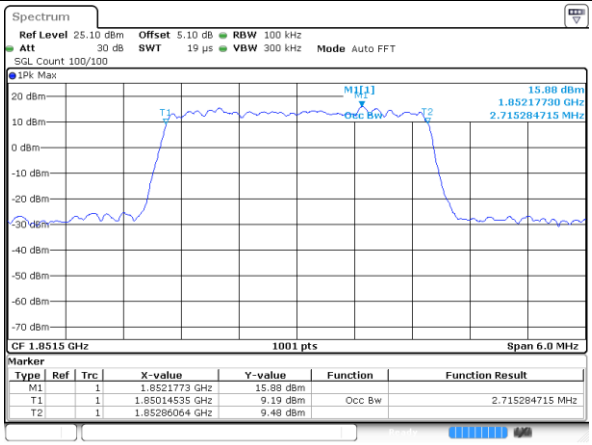


LTE Band 2

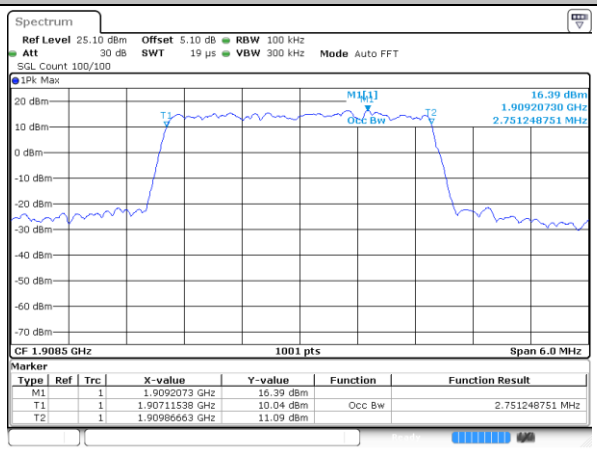
Lowest Channel / 3MHz / QPSK



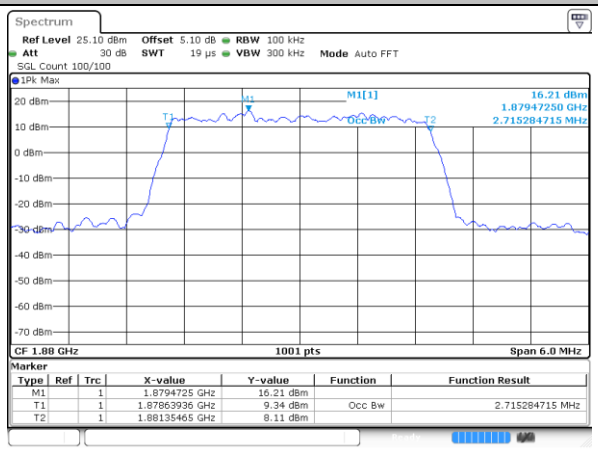
Lowest Channel / 3MHz / 16QAM



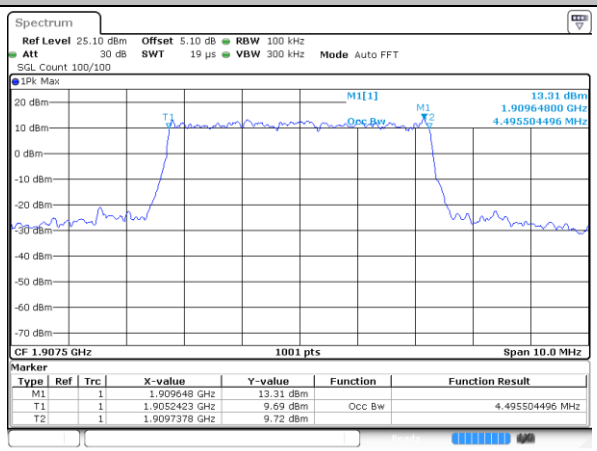
Middle Channel / 3MHz / QPSK



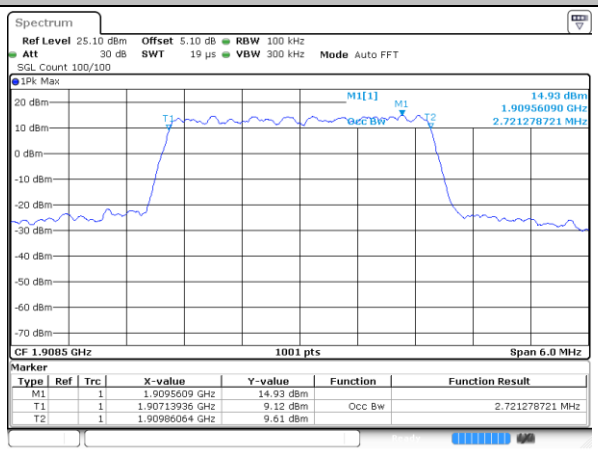
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

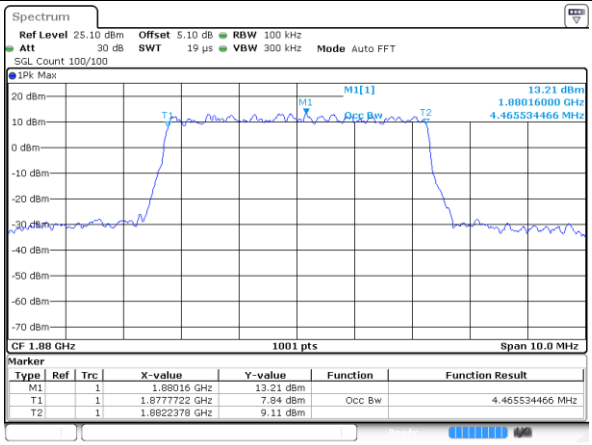


Highest Channel / 3MHz / 16QAM

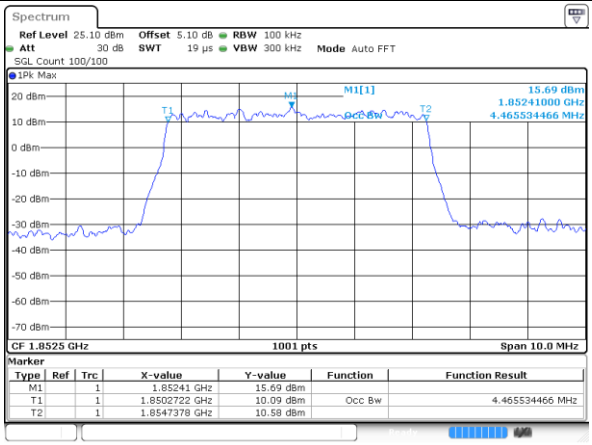


LTE Band 2

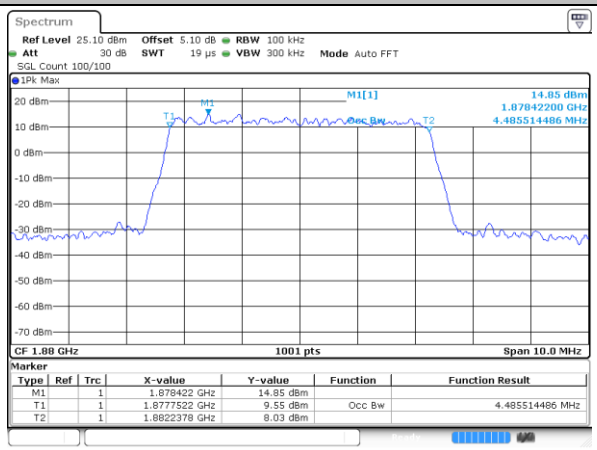
Lowest Channel / 5MHz / QPSK



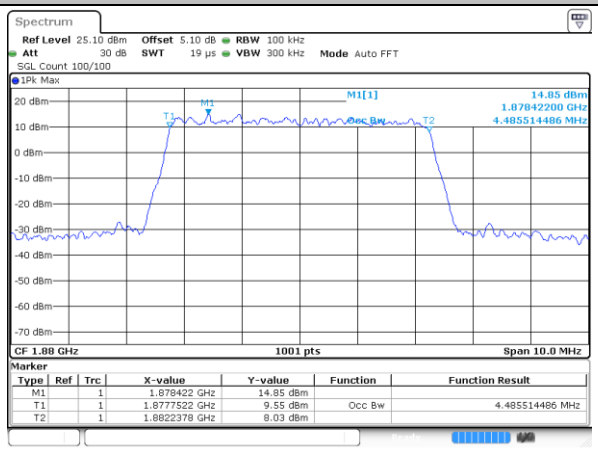
Lowest Channel / 5MHz / 16QAM



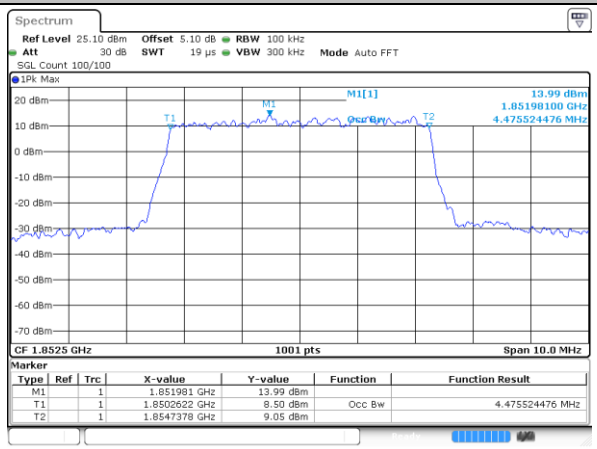
Middle Channel / 5MHz / QPSK



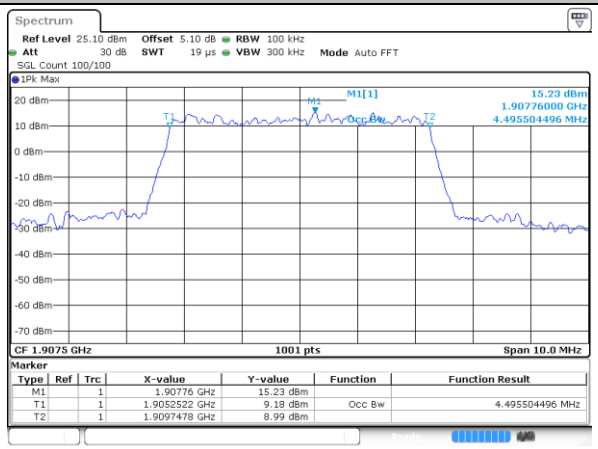
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

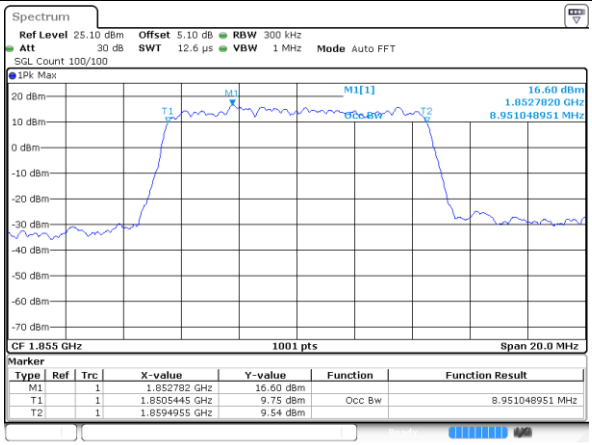


Highest Channel / 5MHz / 16QAM

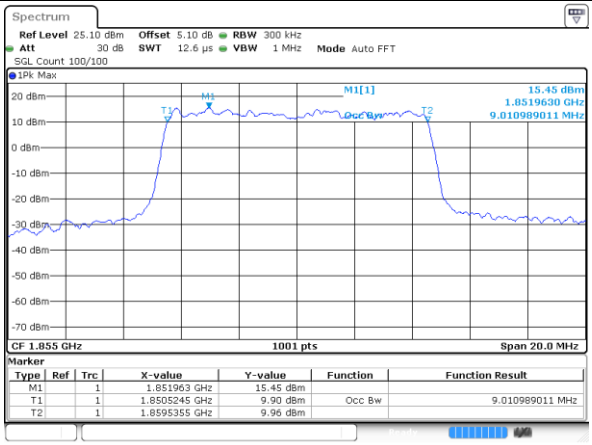


LTE Band 2

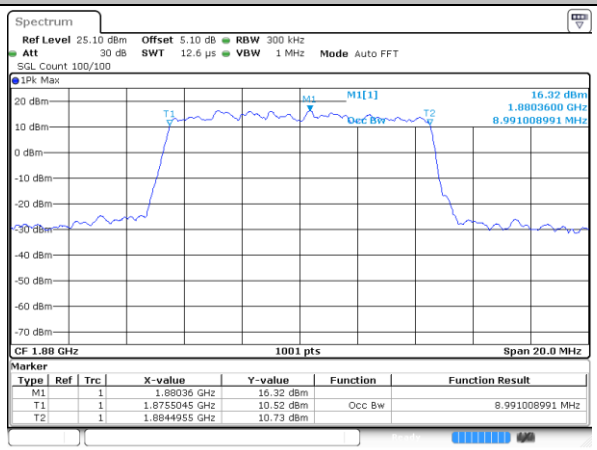
Lowest Channel / 10MHz / QPSK



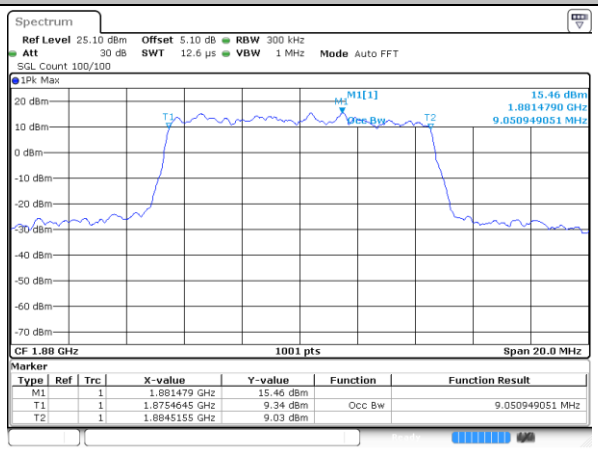
Lowest Channel / 10MHz / 16QAM



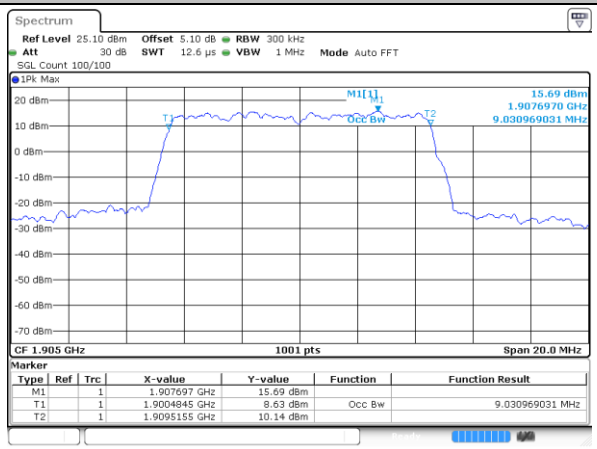
Middle Channel / 10MHz / QPSK



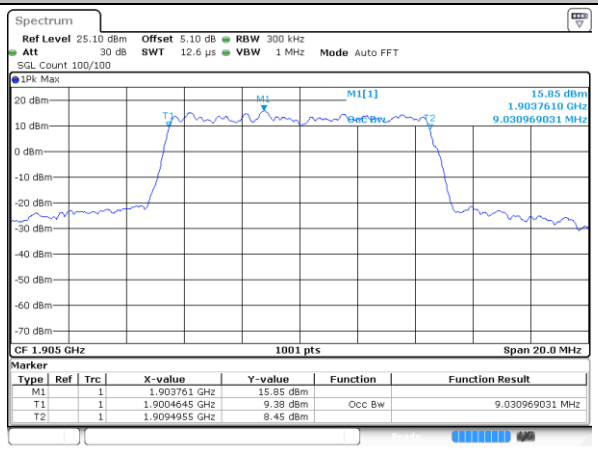
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

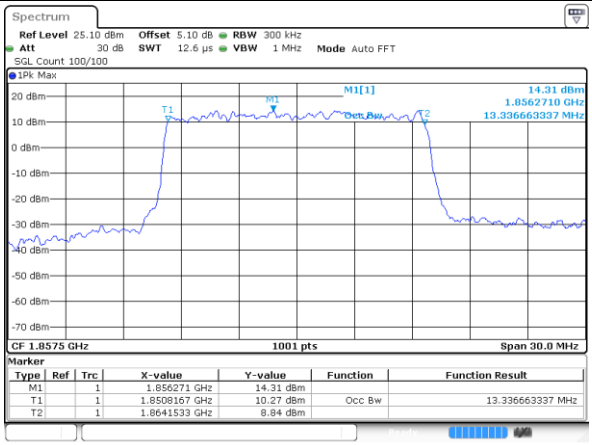


Highest Channel / 10MHz / 16QAM

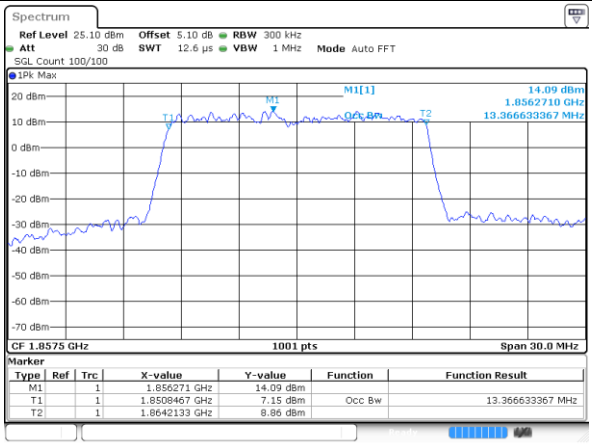


LTE Band 2

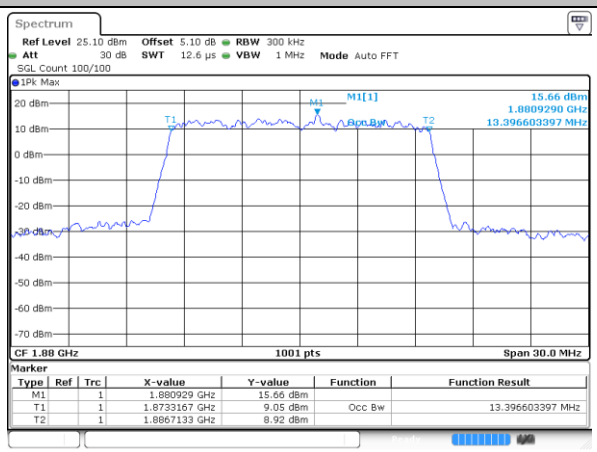
Lowest Channel / 15MHz / QPSK



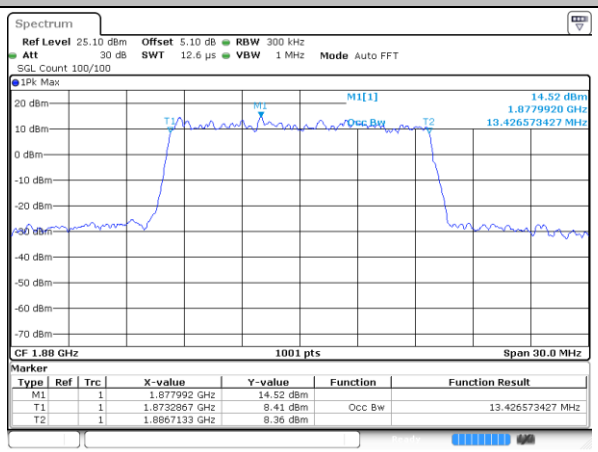
Lowest Channel / 15MHz / 16QAM



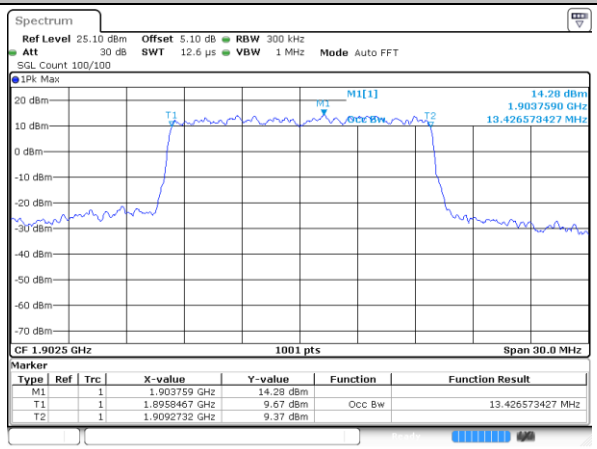
Middle Channel / 15MHz / QPSK



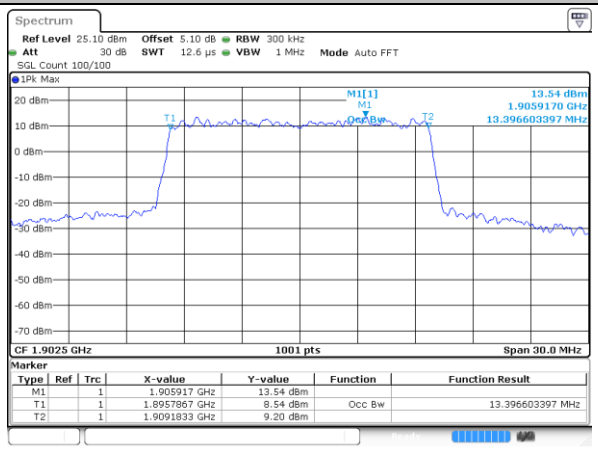
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

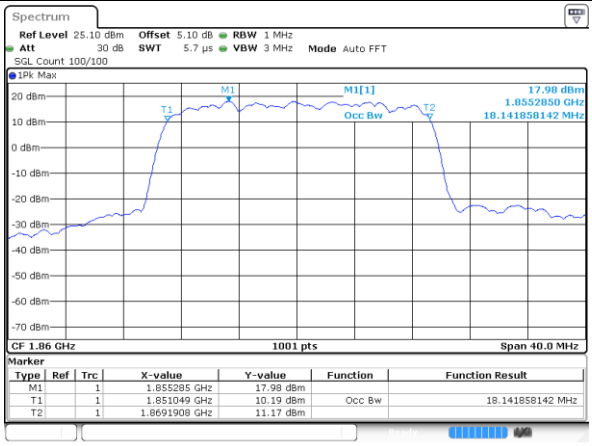


Highest Channel / 15MHz / 16QAM

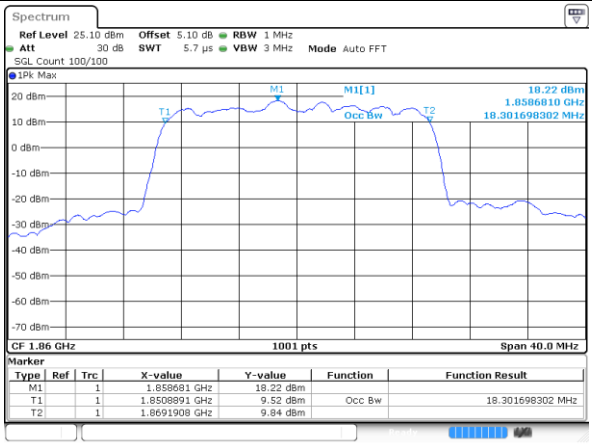


LTE Band 2

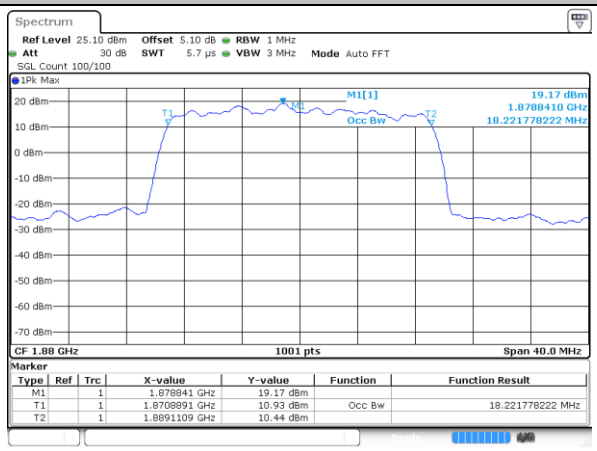
Lowest Channel / 20MHz / QPSK



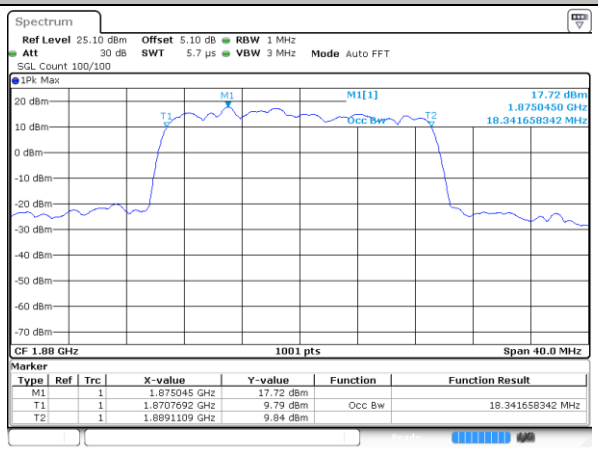
Lowest Channel / 20MHz / 16QAM



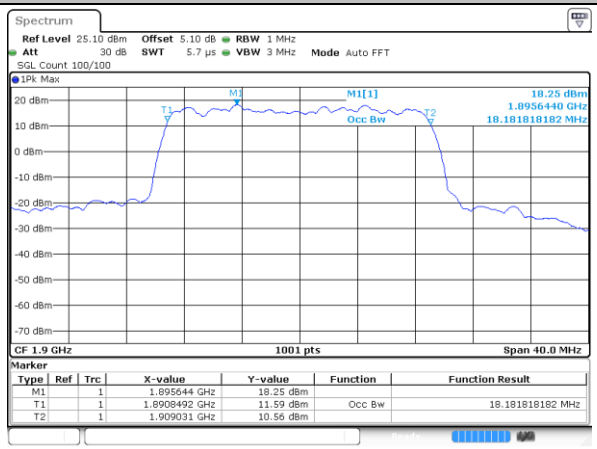
Middle Channel / 20MHz / QPSK



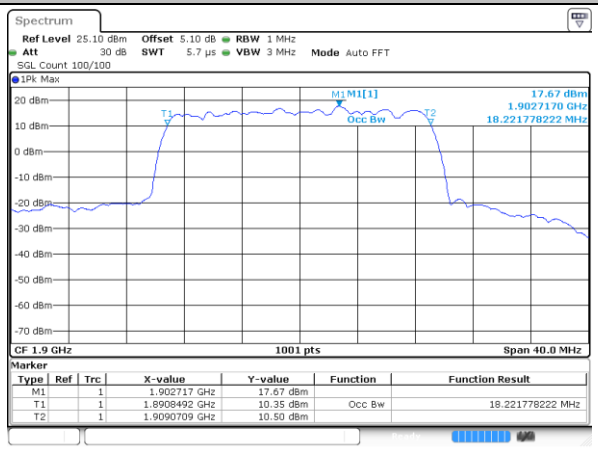
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK

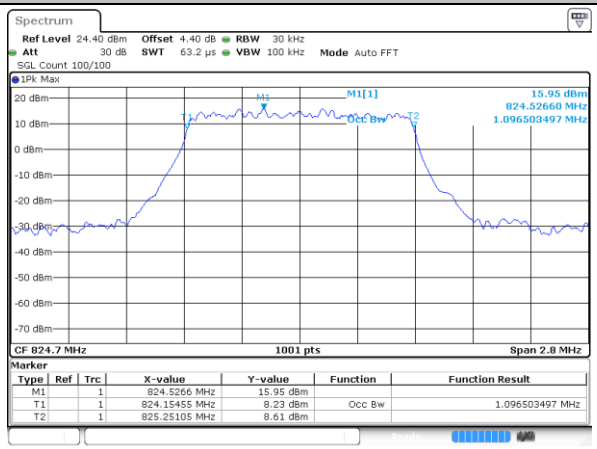


Highest Channel / 20MHz / 16QAM



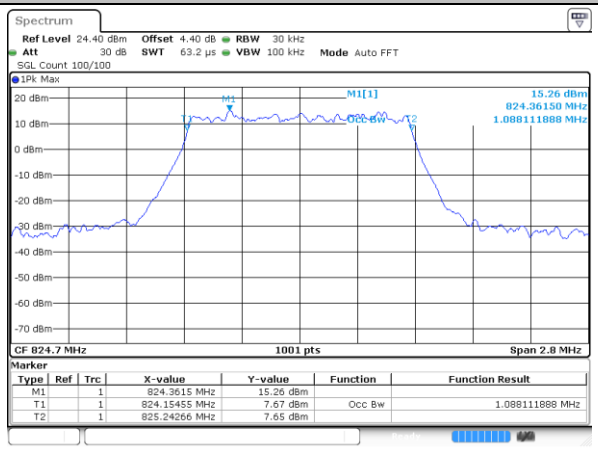
LTE Band 5

Lowest Channel / 1.4MHz / QPSK



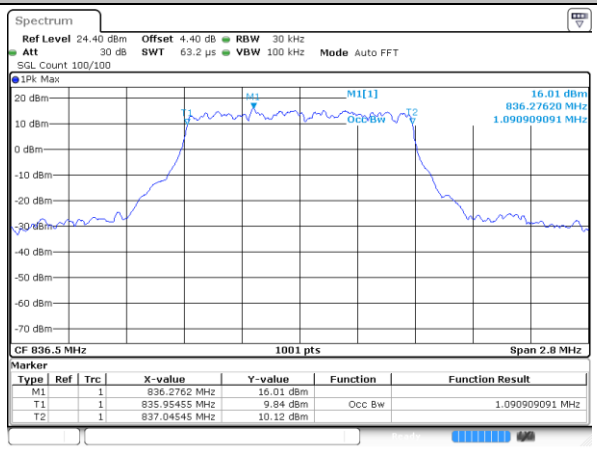
Date: 8.MAY.2018 11:10:39

Lowest Channel / 1.4MHz / 16QAM



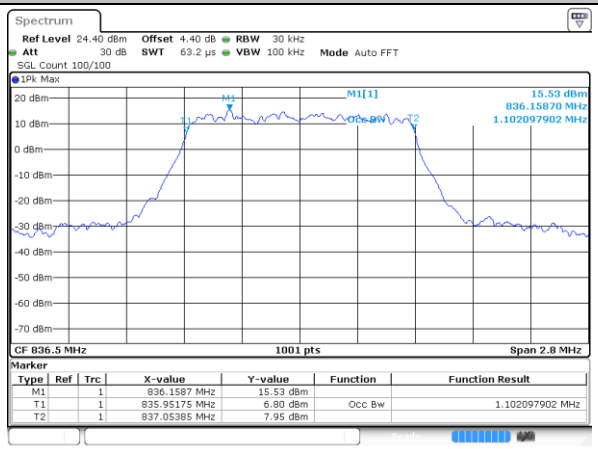
Date: 8.MAY.2018 11:10:50

Middle Channel / 1.4MHz / QPSK



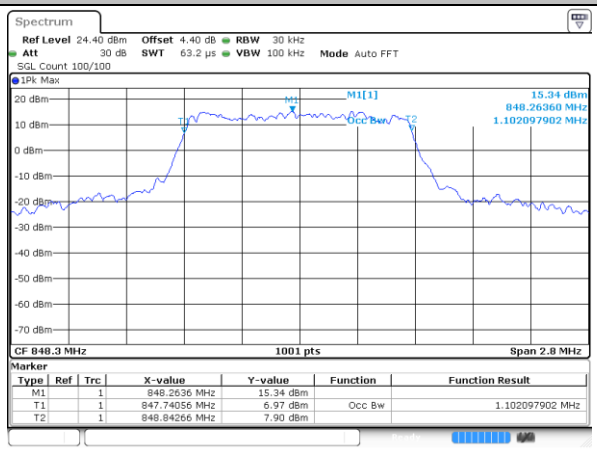
Date: 8.MAY.2018 11:19:45

Middle Channel / 1.4MHz / 16QAM



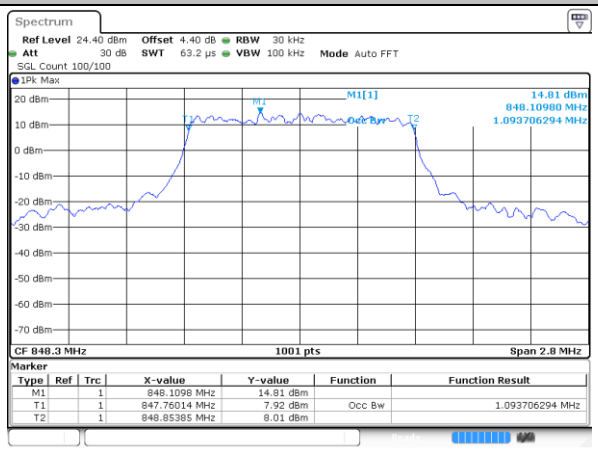
Date: 8.MAY.2018 11:19:55

Highest Channel / 1.4MHz / QPSK



Date: 8.MAY.2018 11:22:18

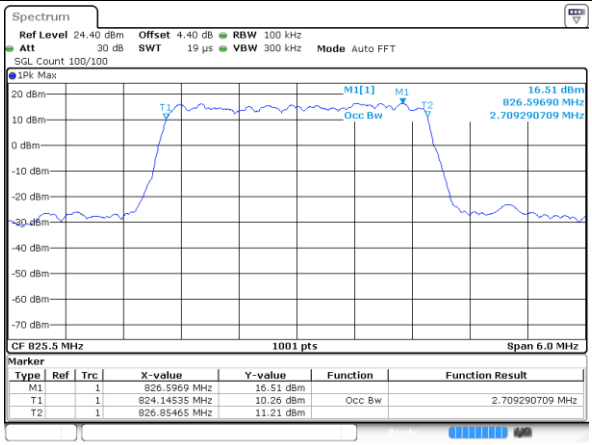
Highest Channel / 1.4MHz / 16QAM



Date: 8.MAY.2018 11:22:29

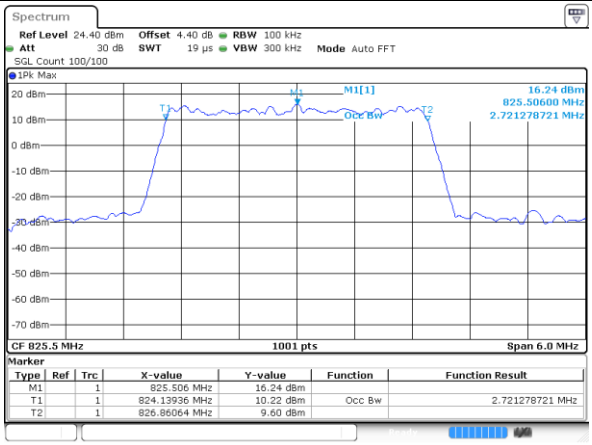
LTE Band 5

Lowest Channel / 3MHz / QPSK



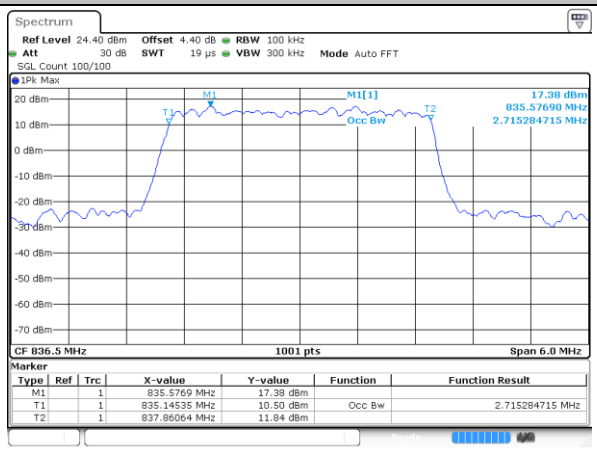
Date: 8.MAY.2018 11:31:23

Lowest Channel / 3MHz / 16QAM



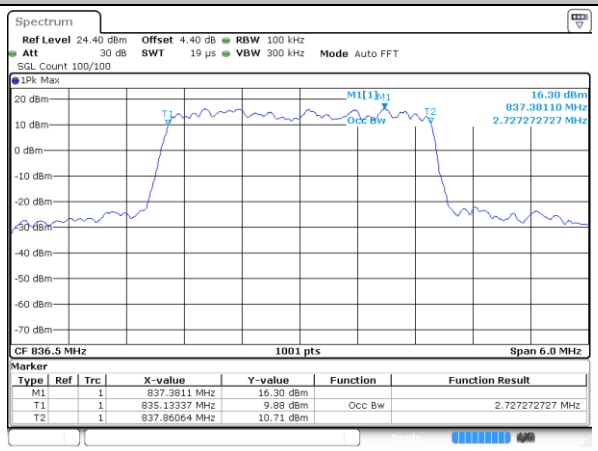
Date: 8.MAY.2018 11:31:34

Middle Channel / 3MHz / QPSK



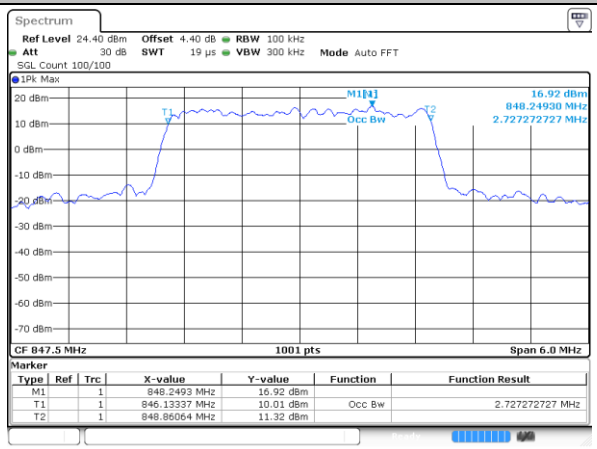
Date: 8.MAY.2018 11:40:29

Middle Channel / 3MHz / 16QAM



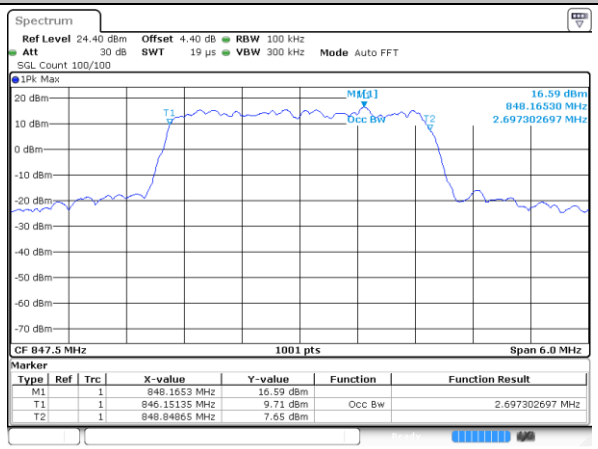
Date: 8.MAY.2018 11:40:39

Highest Channel / 3MHz / QPSK



Date: 8.MAY.2018 11:43:01

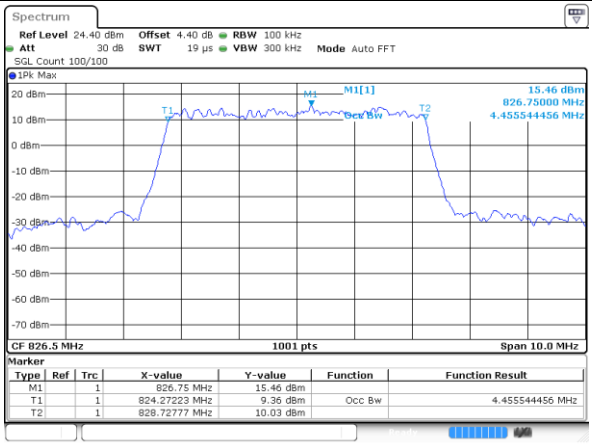
Highest Channel / 3MHz / 16QAM



Date: 8.MAY.2018 11:43:12

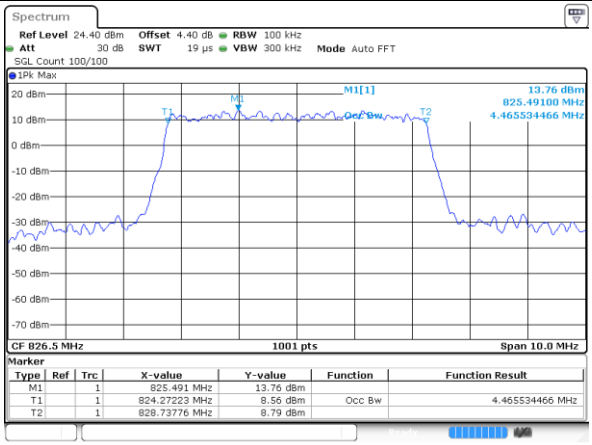
LTE Band 5

Lowest Channel / 5MHz / QPSK



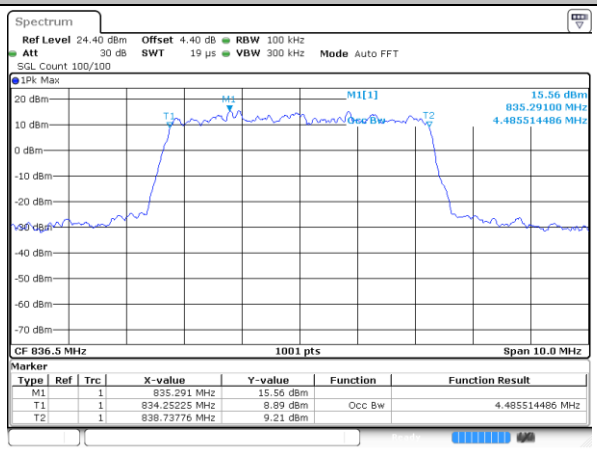
Date: 8.MAY.2018 11:52:07

Lowest Channel / 5MHz / 16QAM



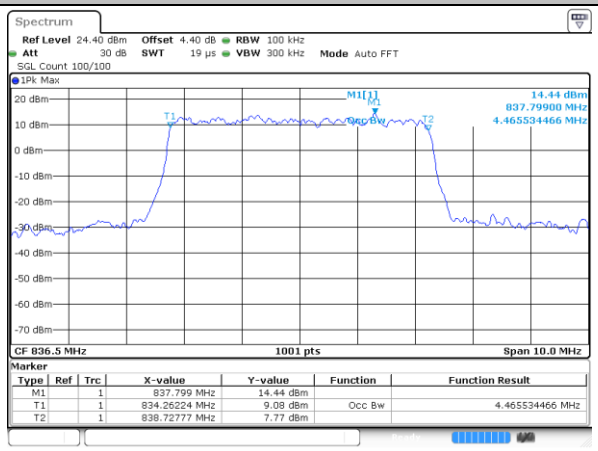
Date: 8.MAY.2018 11:52:18

Middle Channel / 5MHz / QPSK



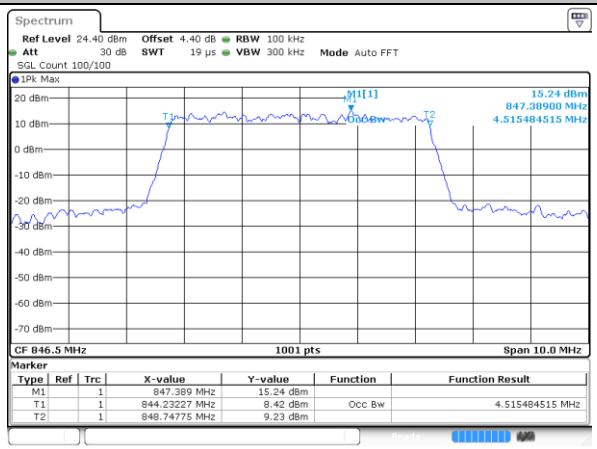
Date: 8.MAY.2018 12:01:13

Middle Channel / 5MHz / 16QAM



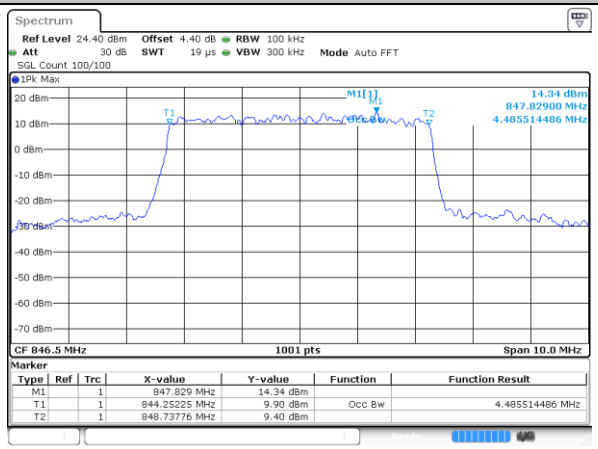
Date: 8.MAY.2018 12:01:23

Highest Channel / 5MHz / QPSK



Date: 8.MAY.2018 12:03:46

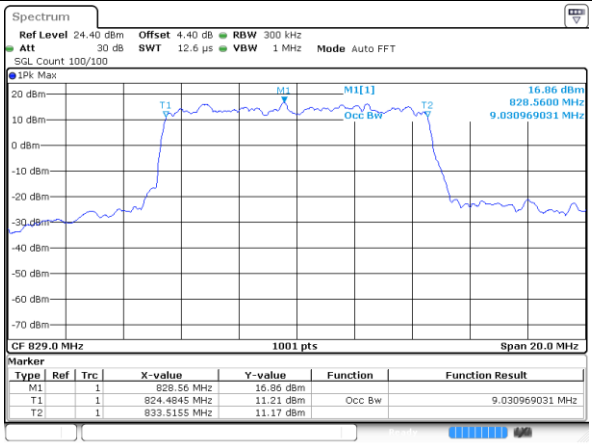
Highest Channel / 5MHz / 16QAM



Date: 8.MAY.2018 12:03:57

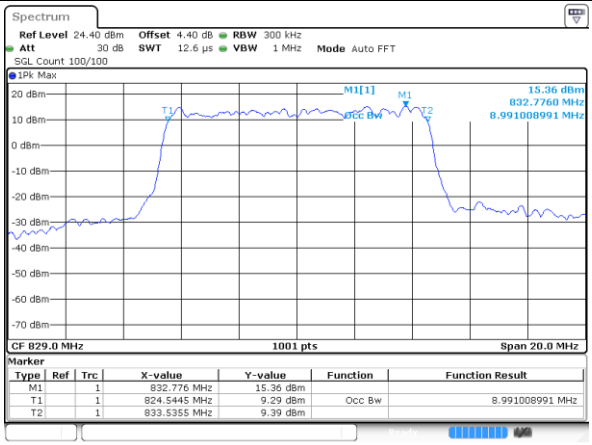
LTE Band 5

Lowest Channel / 10MHz / QPSK



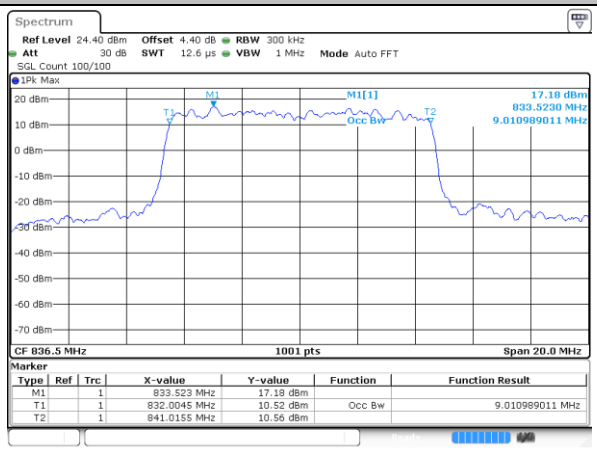
Date: 8.MAY.2018 12:12:51

Lowest Channel / 10MHz / 16QAM



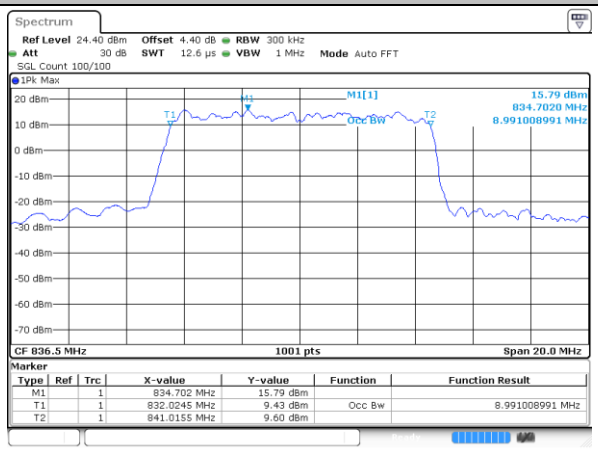
Date: 8.MAY.2018 12:13:02

Middle Channel / 10MHz / QPSK



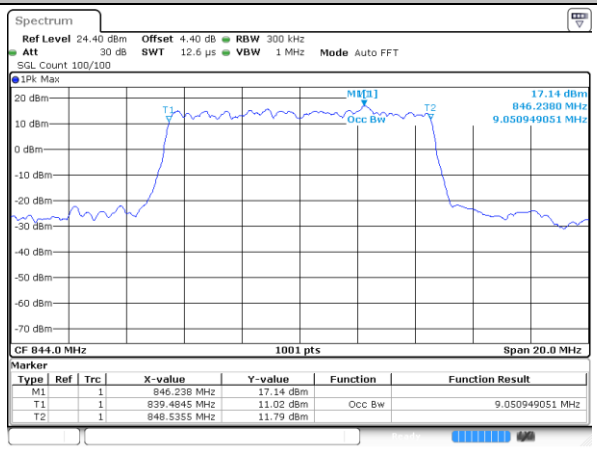
Date: 8.MAY.2018 12:21:57

Middle Channel / 10MHz / 16QAM



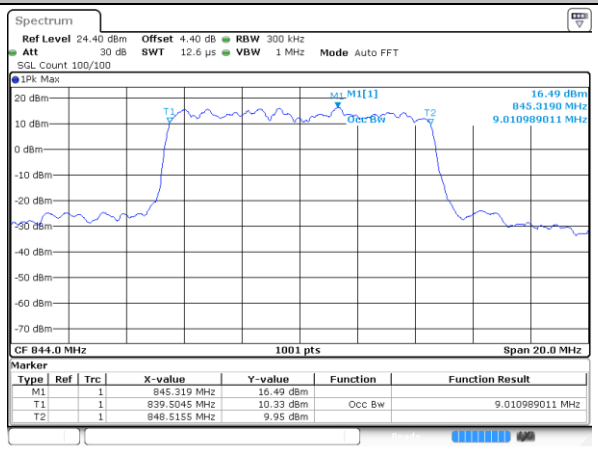
Date: 8.MAY.2018 12:22:08

Highest Channel / 10MHz / QPSK



Date: 8.MAY.2018 12:24:31

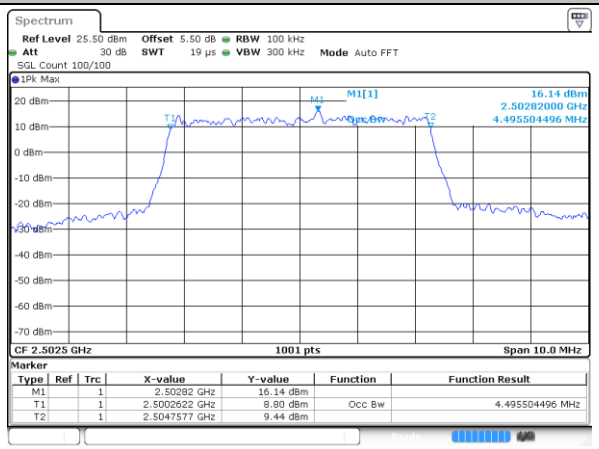
Highest Channel / 10MHz / 16QAM



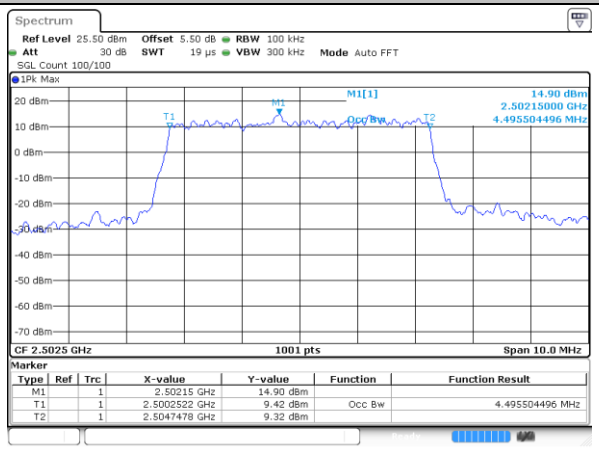
Date: 8.MAY.2018 12:24:41

LTE Band 7

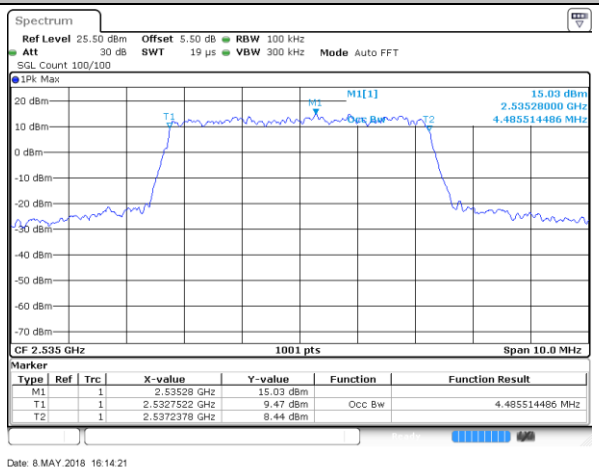
Lowest Channel / 5MHz / QPSK



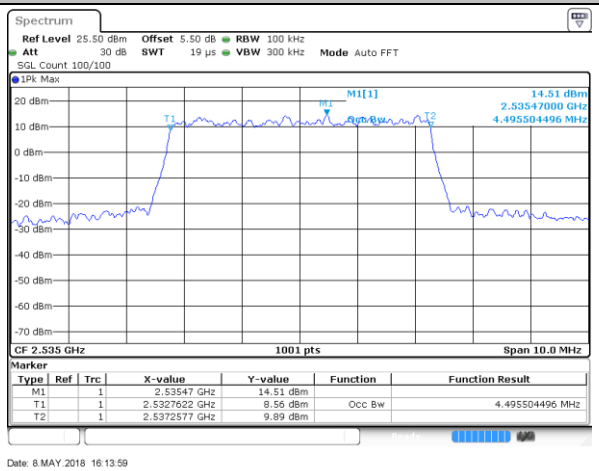
Lowest Channel / 5MHz / 16QAM



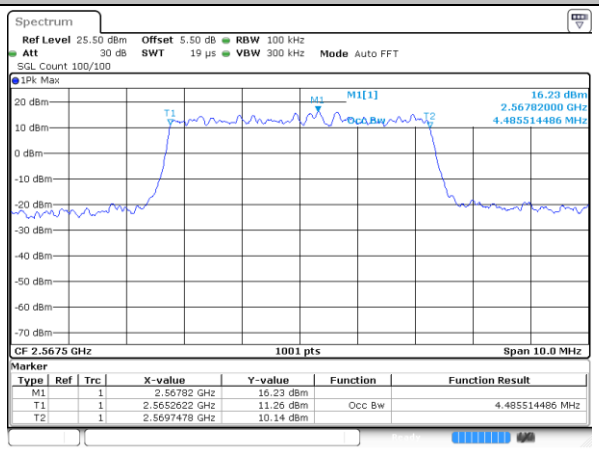
Middle Channel / 5MHz / QPSK



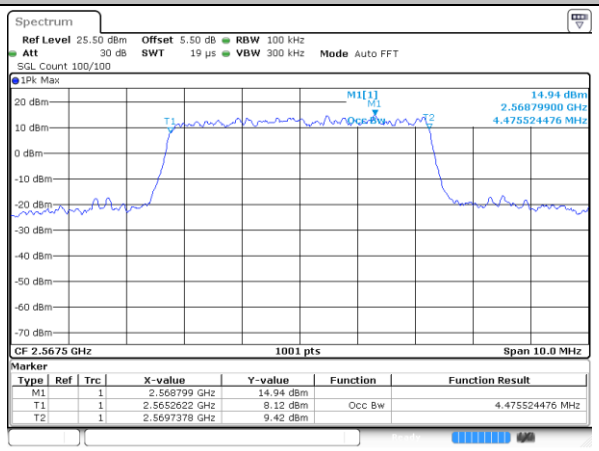
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

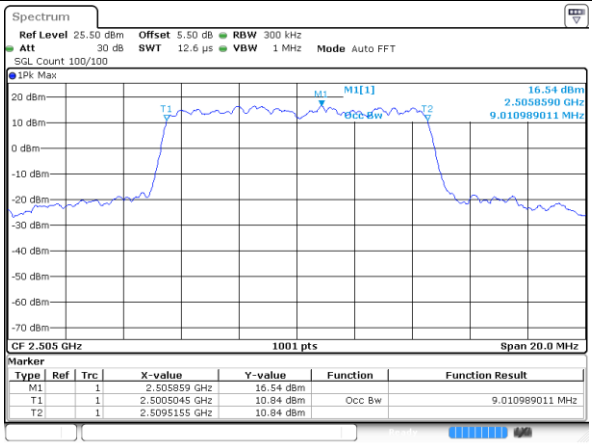


Highest Channel / 5MHz / 16QAM

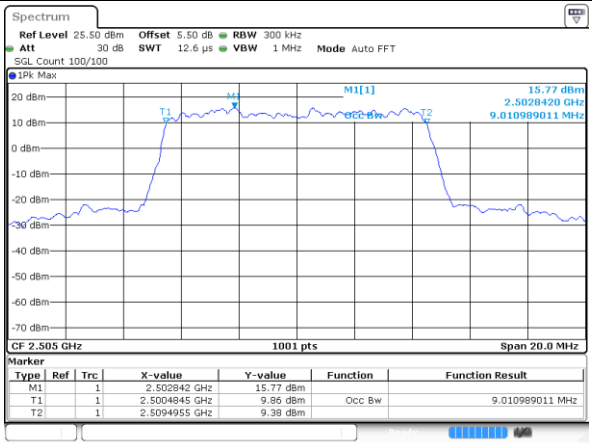


LTE Band 7

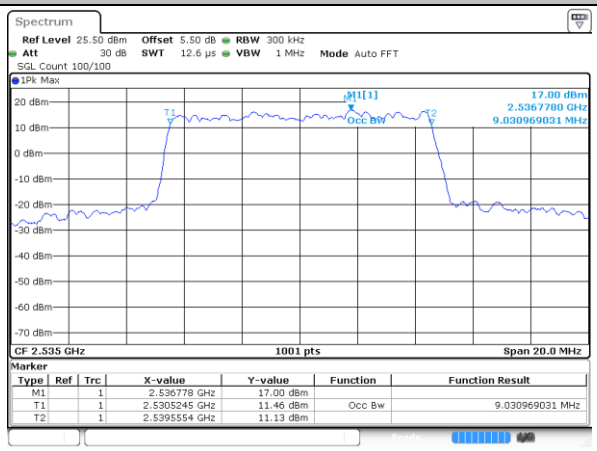
Lowest Channel / 10MHz / QPSK



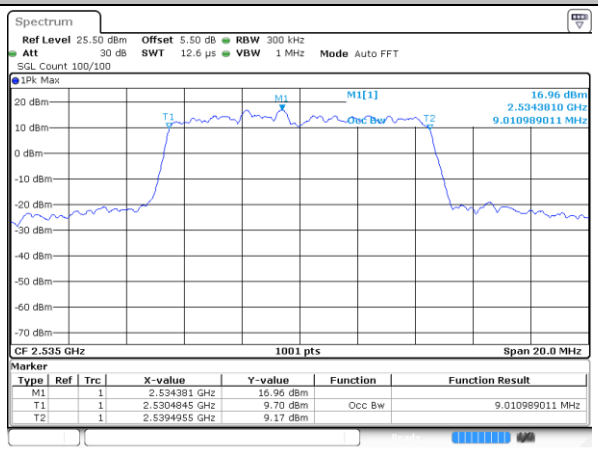
Lowest Channel / 10MHz / 16QAM



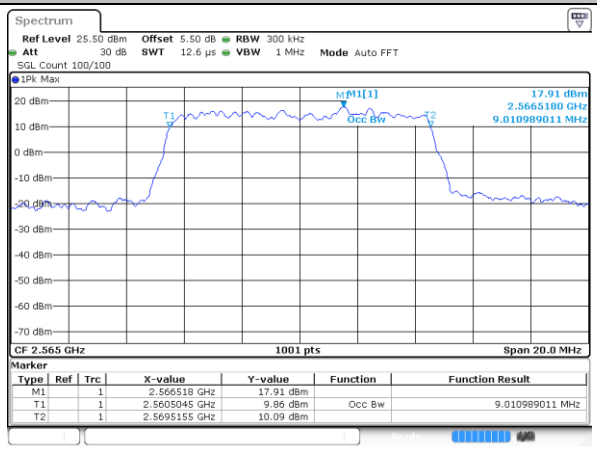
Middle Channel / 10MHz / QPSK



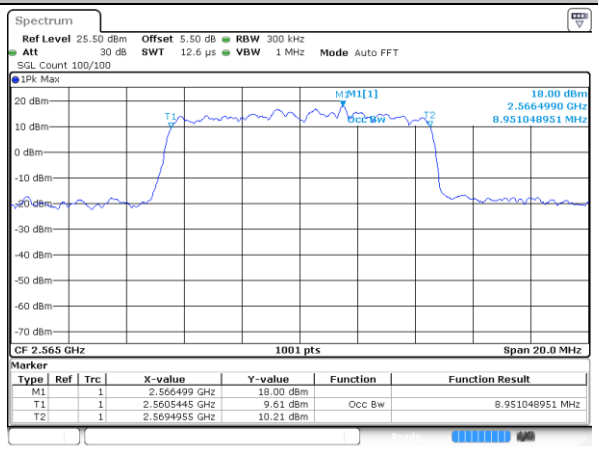
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

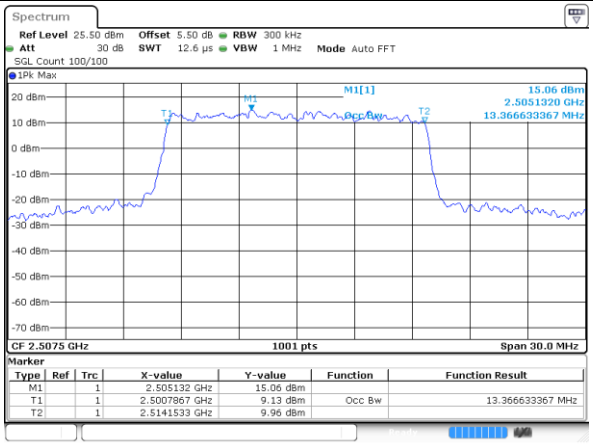


Highest Channel / 10MHz / 16QAM

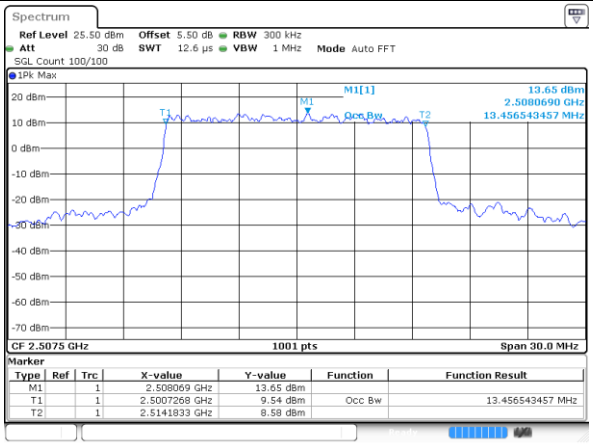


LTE Band 7

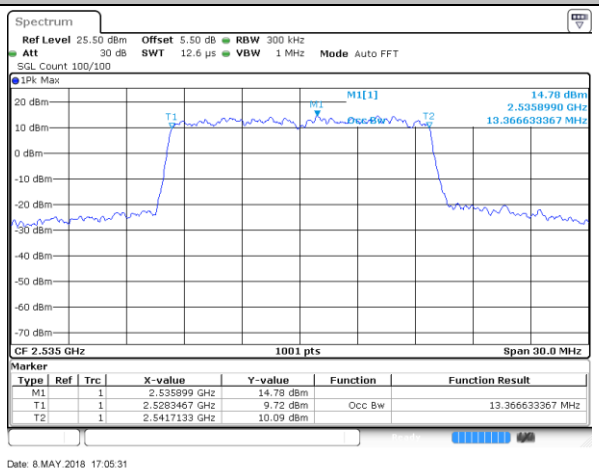
Lowest Channel / 15MHz / QPSK



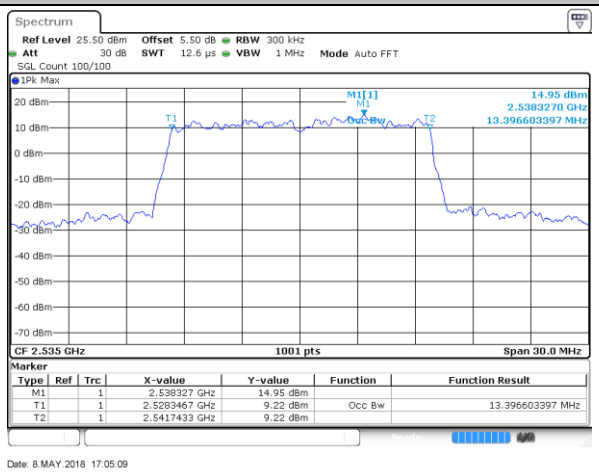
Lowest Channel / 15MHz / 16QAM



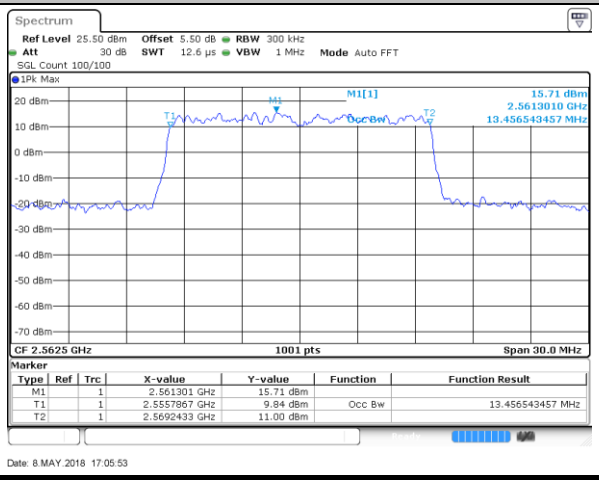
Middle Channel / 15MHz / QPSK



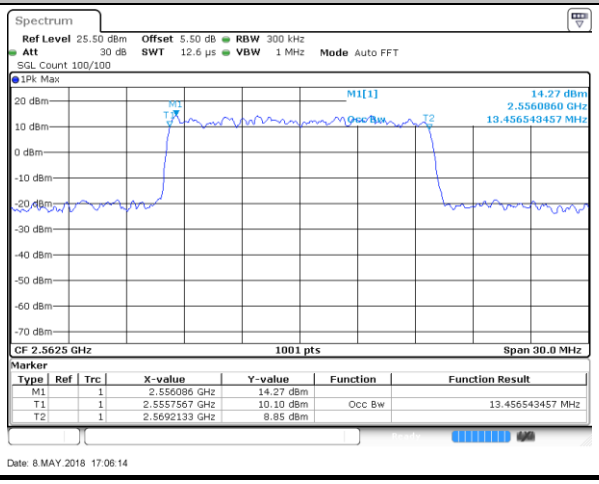
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

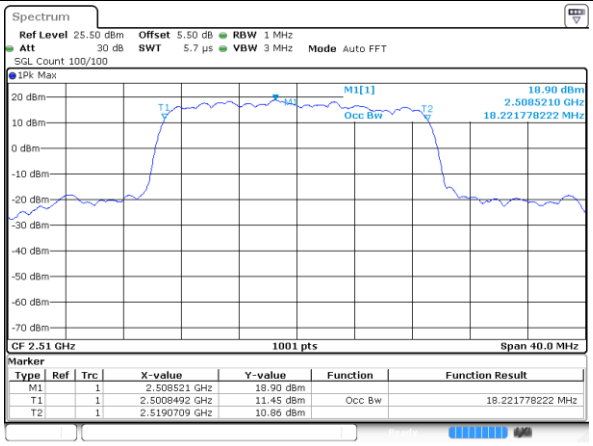


Highest Channel / 15MHz / 16QAM

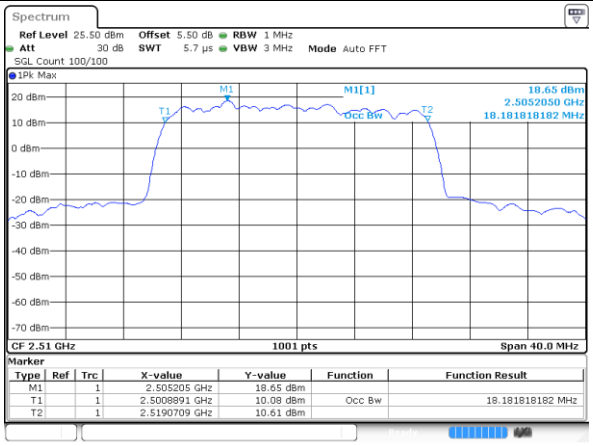


LTE Band 7

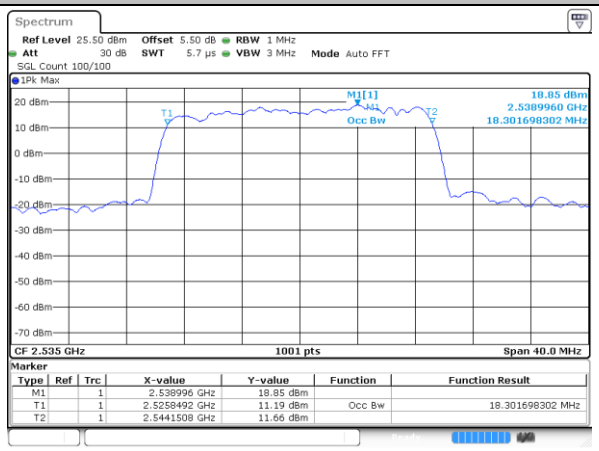
Lowest Channel / 20MHz / QPSK



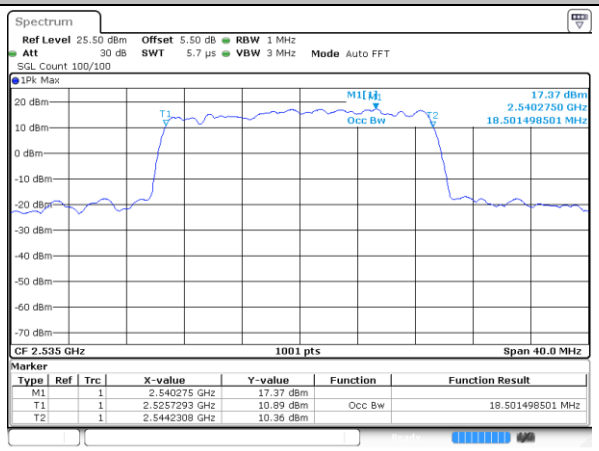
Lowest Channel / 20MHz / 16QAM



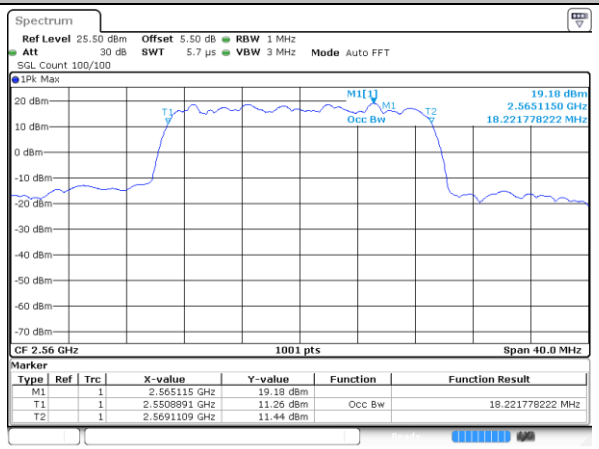
Middle Channel / 20MHz / QPSK



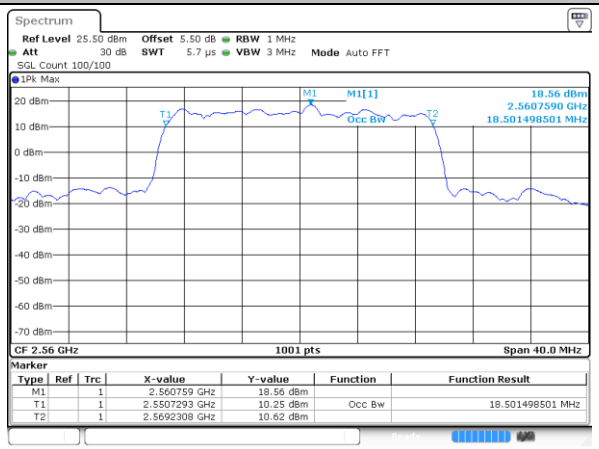
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK

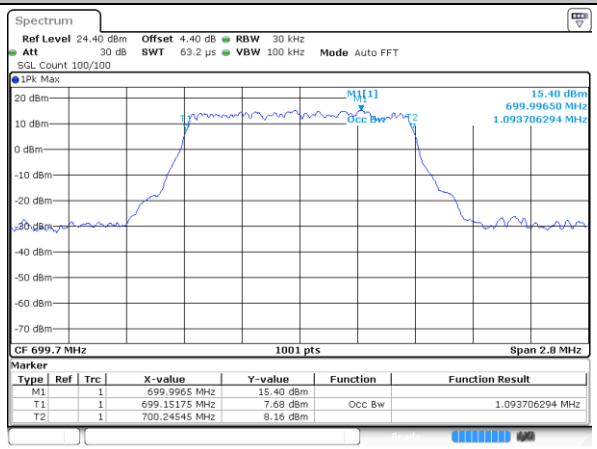


Highest Channel / 20MHz / 16QAM

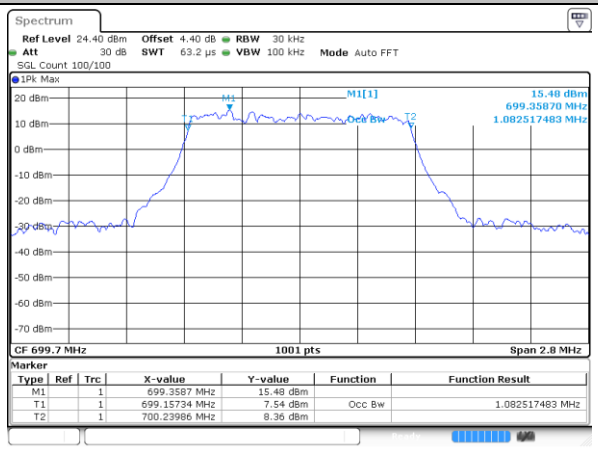


LTE Band 12

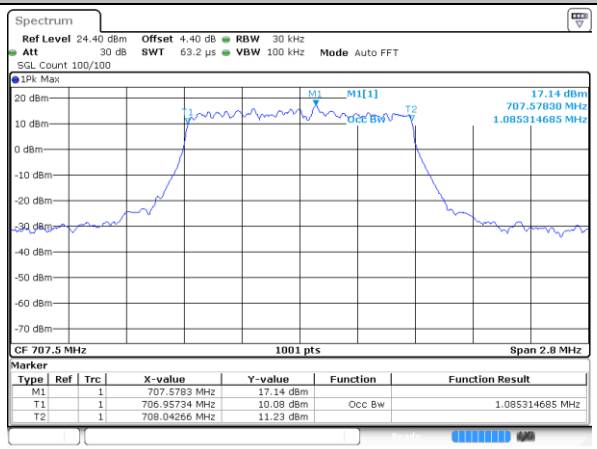
Lowest Channel / 1.4MHz / QPSK



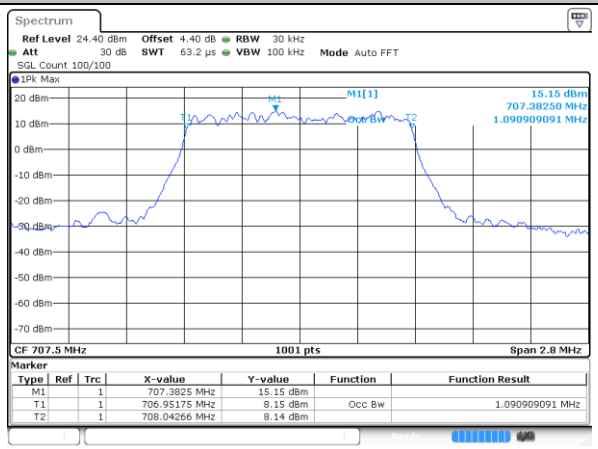
Lowest Channel / 1.4MHz / 16QAM



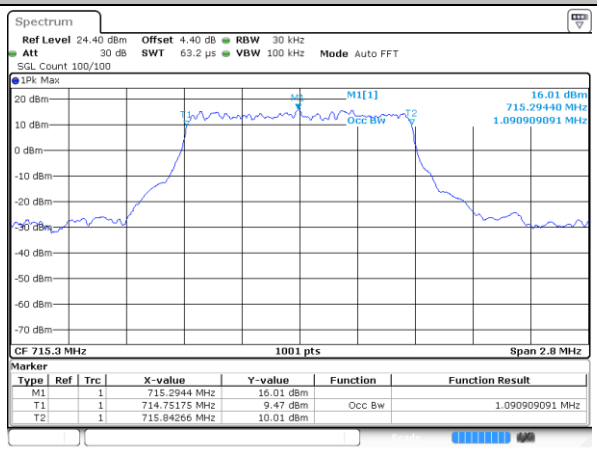
Middle Channel / 1.4MHz / QPSK



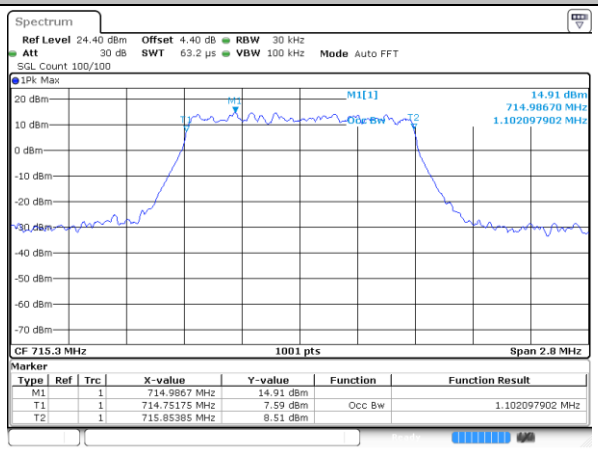
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

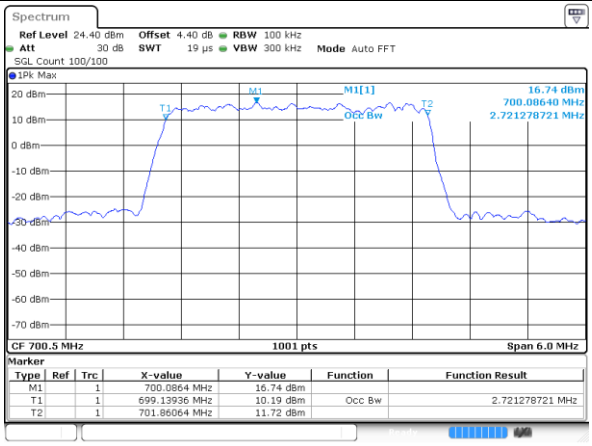


Highest Channel / 1.4MHz / 16QAM

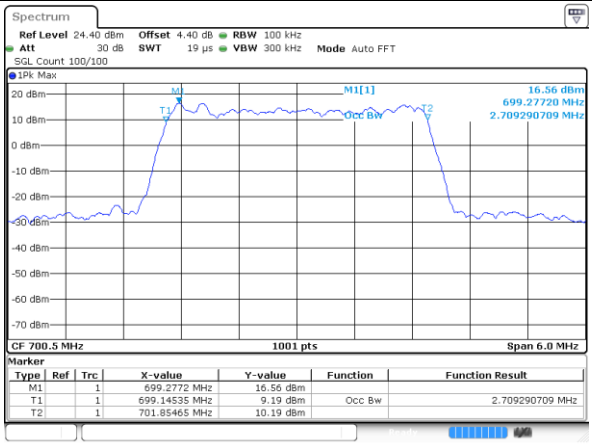


LTE Band 12

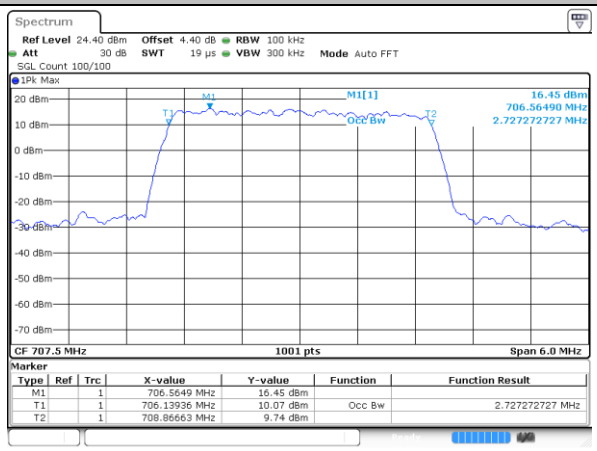
Lowest Channel / 3MHz / QPSK



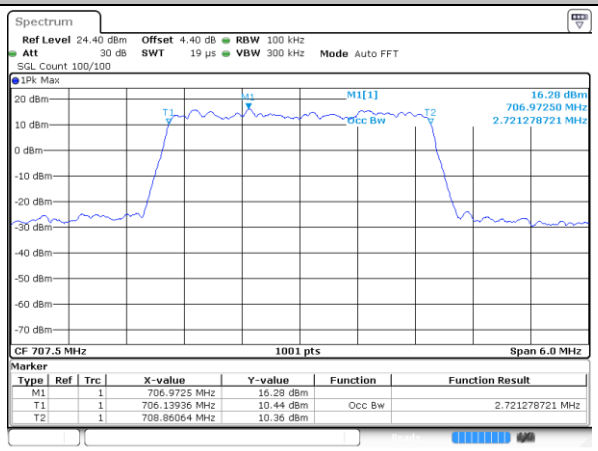
Lowest Channel / 3MHz / 16QAM



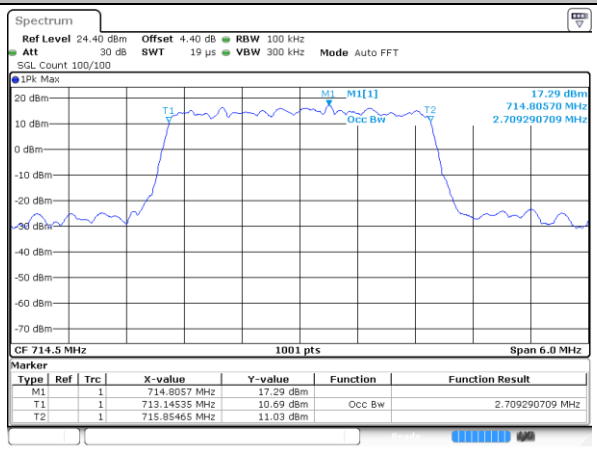
Middle Channel / 3MHz / QPSK



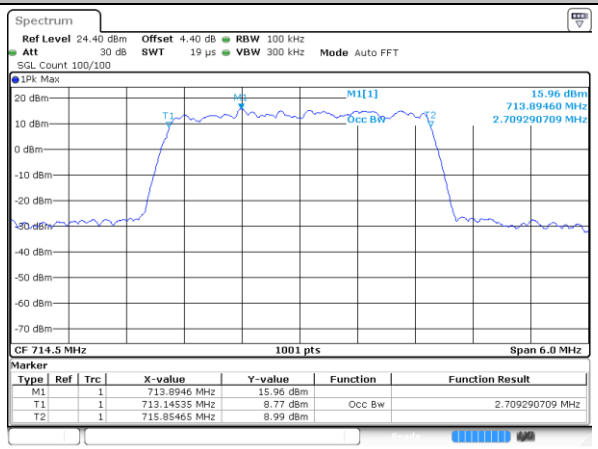
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

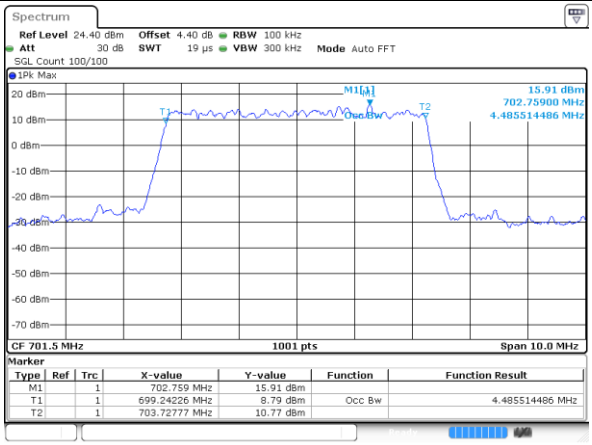


Highest Channel / 3MHz / 16QAM



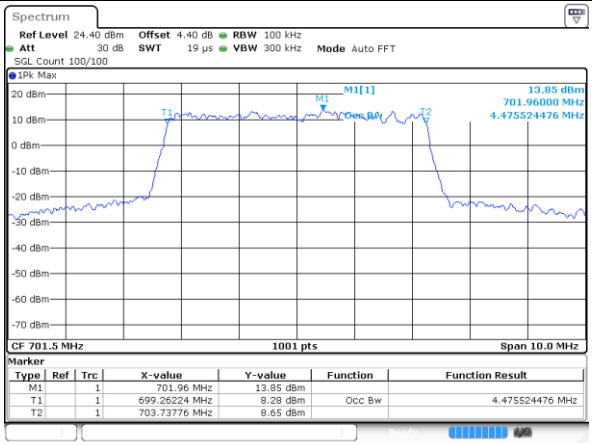
LTE Band 12

Lowest Channel / 5MHz / QPSK



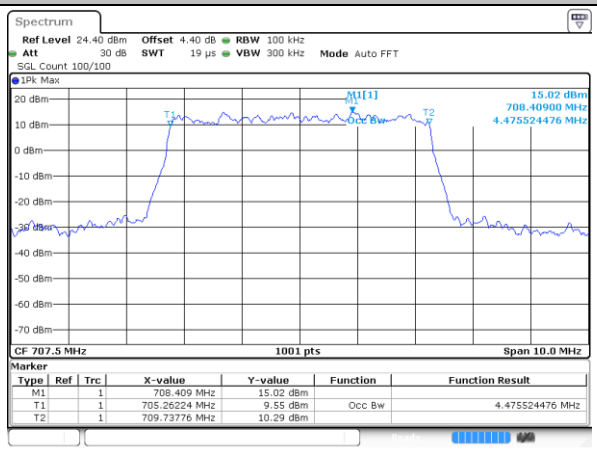
Date: 8.MAY.2018 18:28:19

Lowest Channel / 5MHz / 16QAM



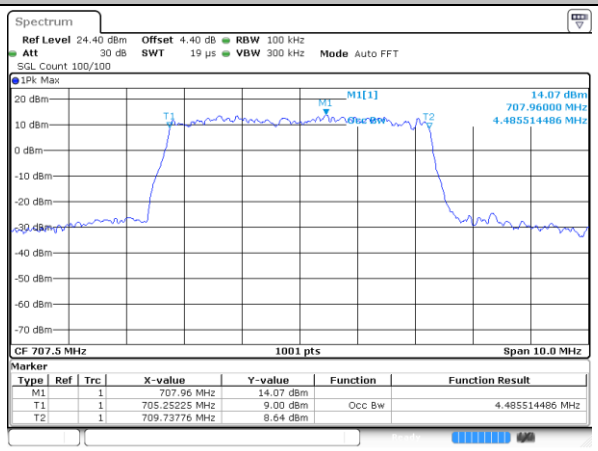
Date: 8.MAY.2018 18:28:29

Middle Channel / 5MHz / QPSK



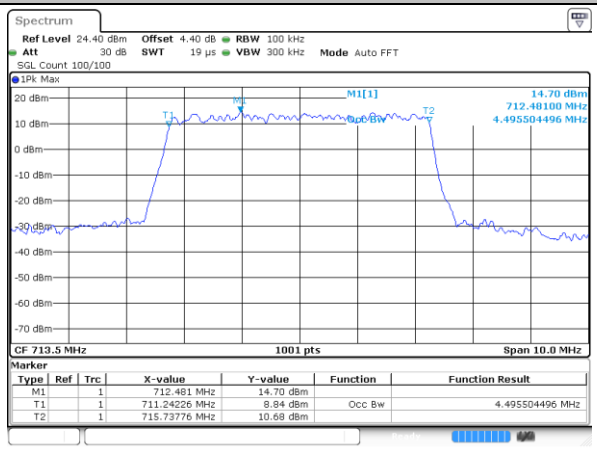
Date: 8.MAY.2018 18:28:51

Middle Channel / 5MHz / 16QAM



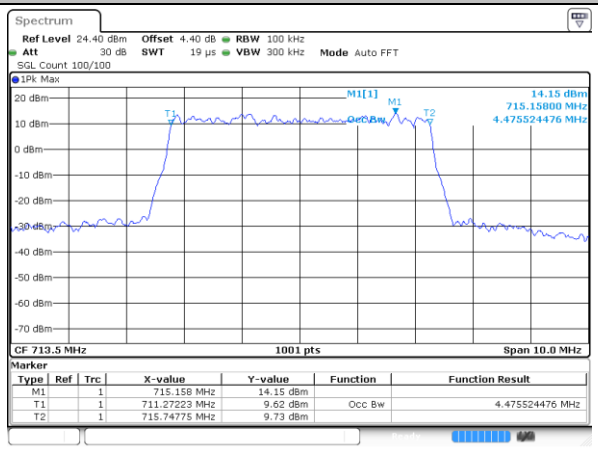
Date: 8.MAY.2018 18:28:40

Highest Channel / 5MHz / QPSK



Date: 8.MAY.2018 18:29:02

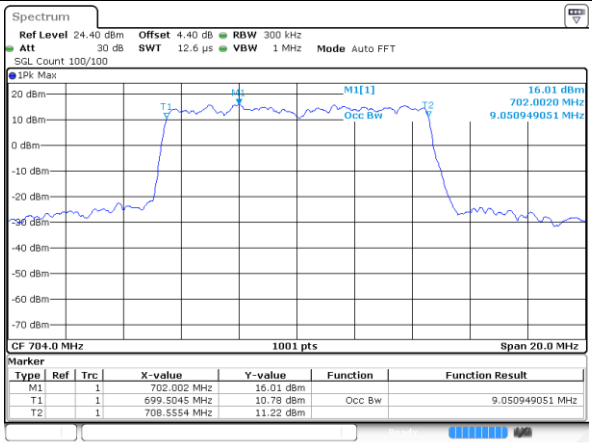
Highest Channel / 5MHz / 16QAM



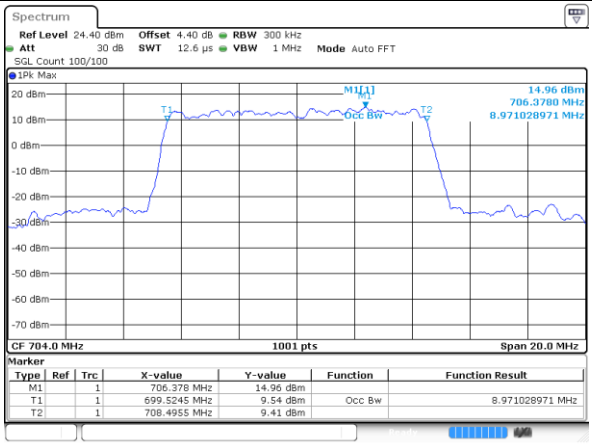
Date: 8.MAY.2018 18:29:12

LTE Band 12

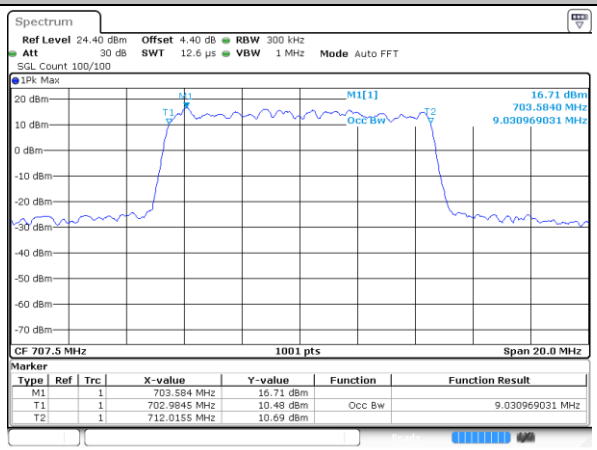
Lowest Channel / 10MHz / QPSK



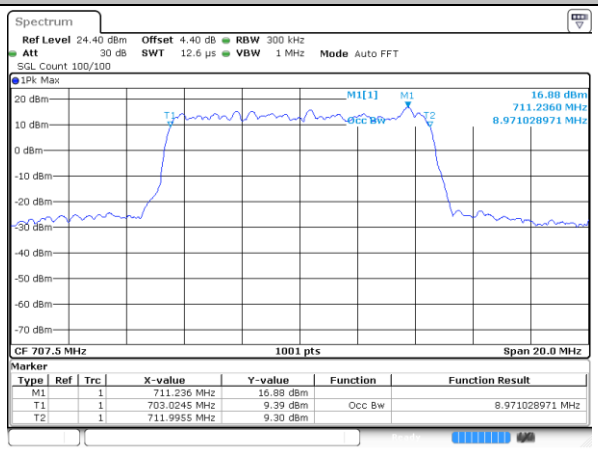
Lowest Channel / 10MHz / 16QAM



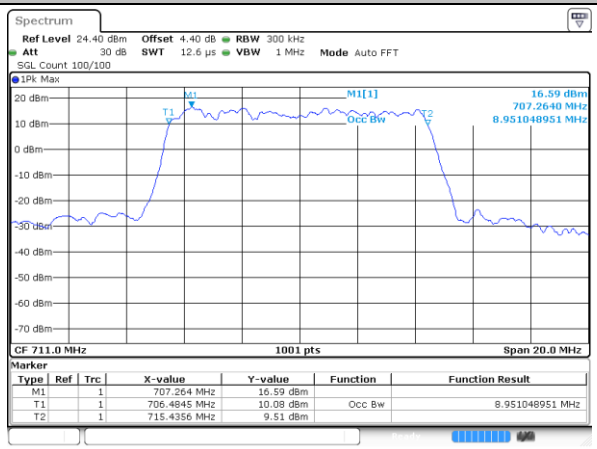
Middle Channel / 10MHz / QPSK



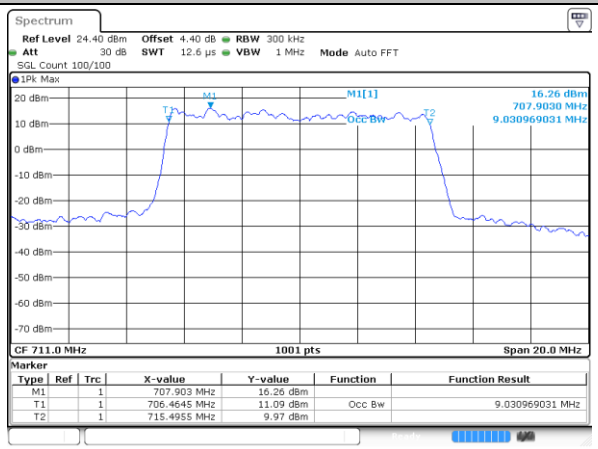
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

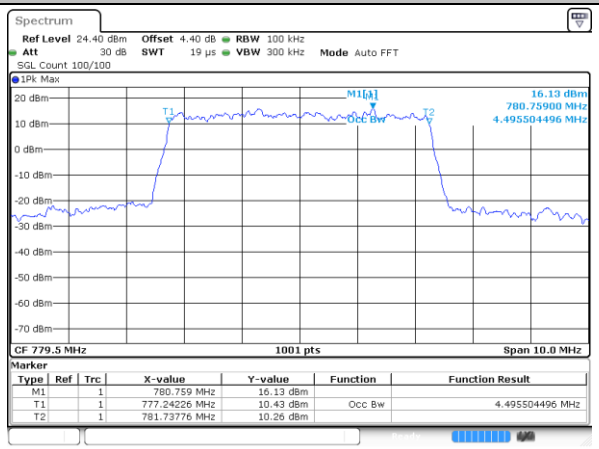


Highest Channel / 10MHz / 16QAM

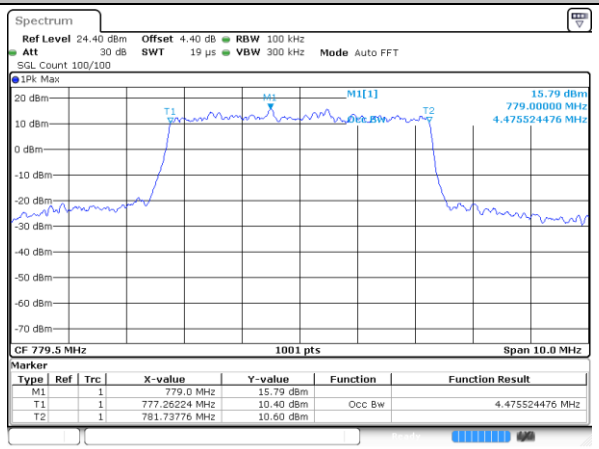


LTE Band 13

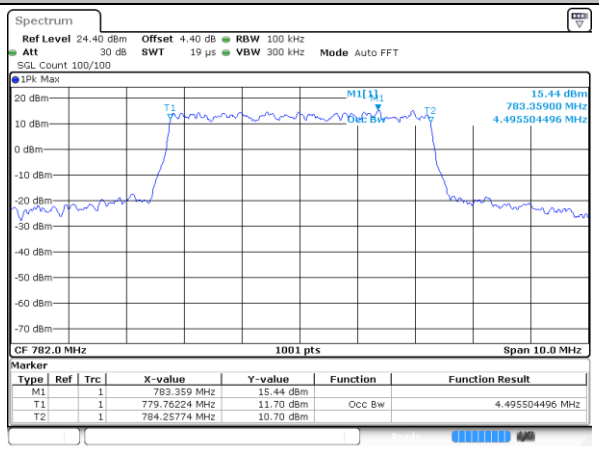
Lowest Channel / 5MHz / QPSK



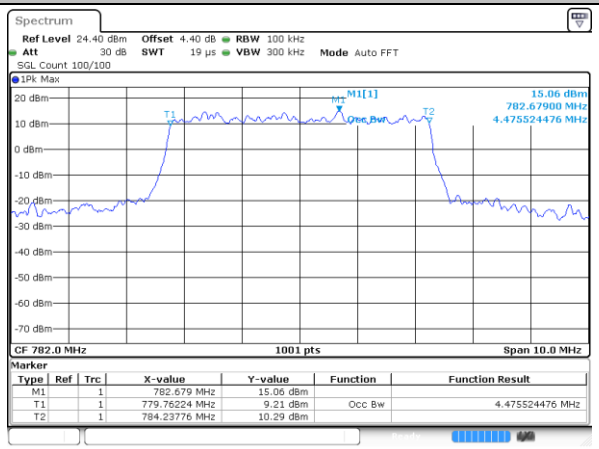
Lowest Channel / 5MHz / 16QAM



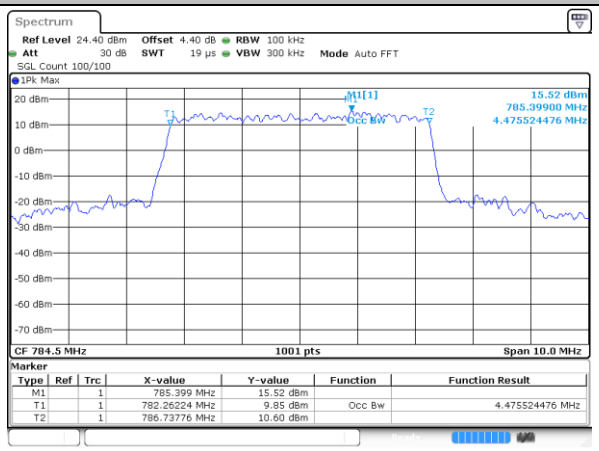
Middle Channel / 5MHz / QPSK



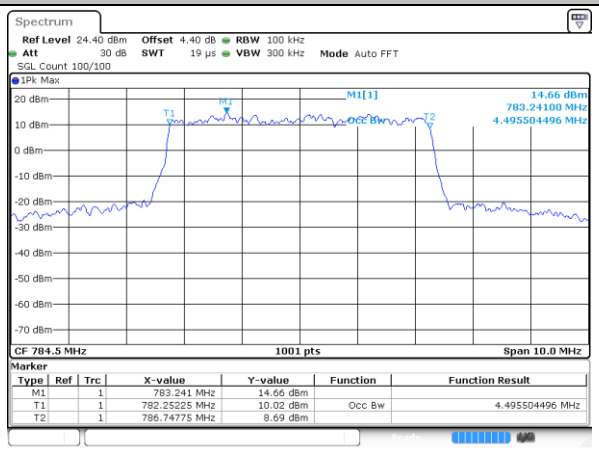
Middle Channel / 5MHz / 16QAM

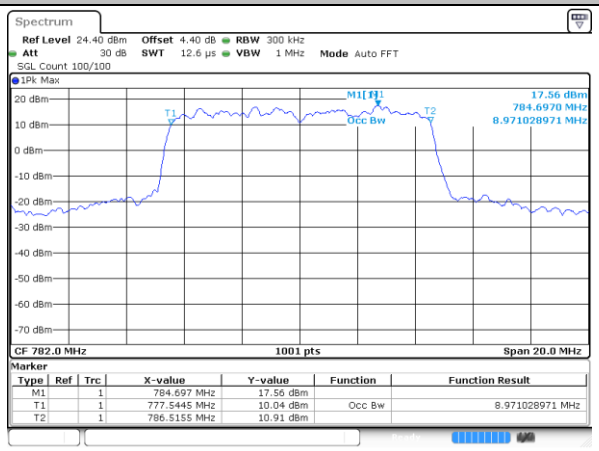
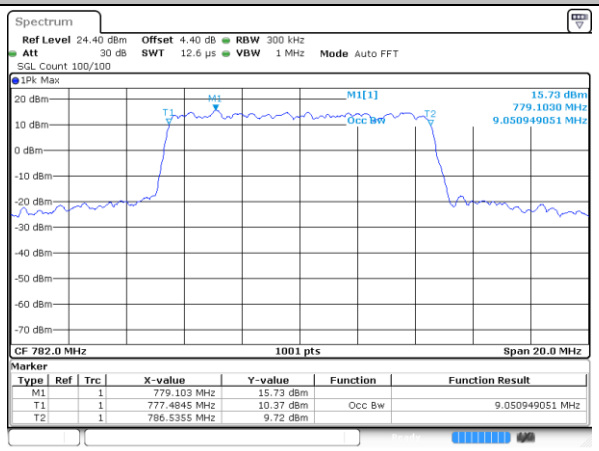


Highest Channel / 5MHz / QPSK



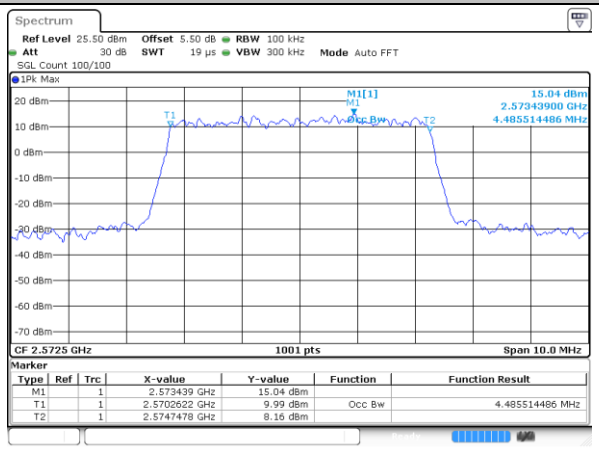
Highest Channel / 5MHz / 16QAM



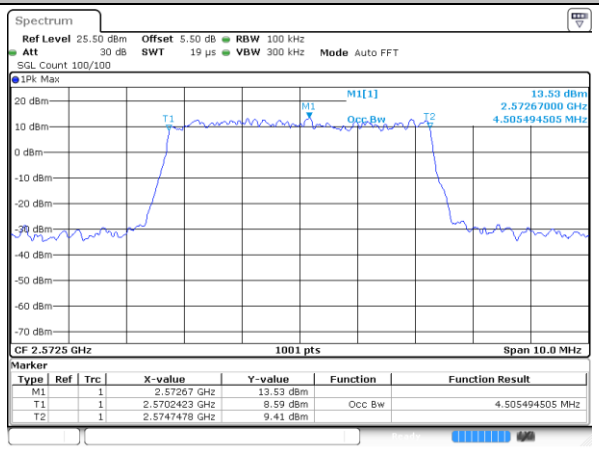
LTE Band 13	
Middle Channel / 10MHz / QPSK	**Middle Channel / 10MHz / 16QAM**
	

LTE Band 38

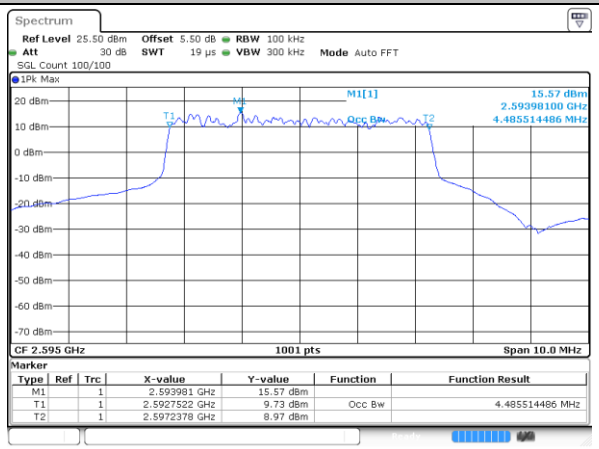
Lowest Channel / 5MHz / QPSK



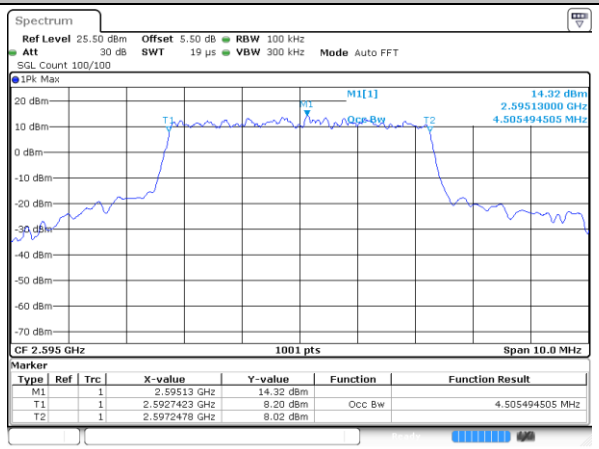
Lowest Channel / 5MHz / 16QAM



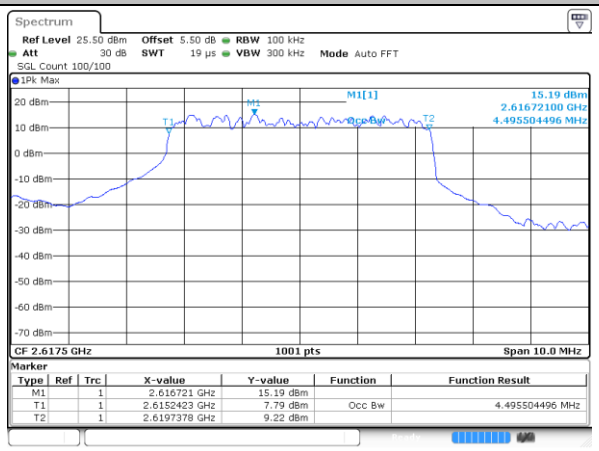
Middle Channel / 5MHz / QPSK



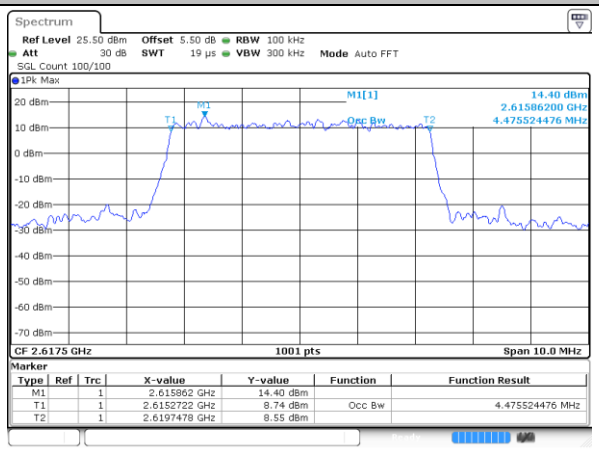
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

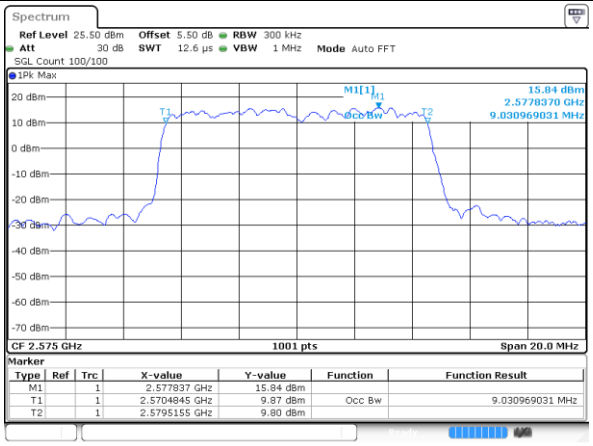


Highest Channel / 5MHz / 16QAM



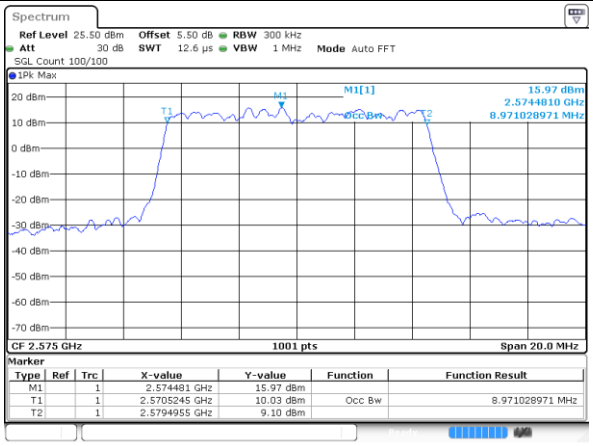
LTE Band 38

Lowest Channel / 10MHz / QPSK



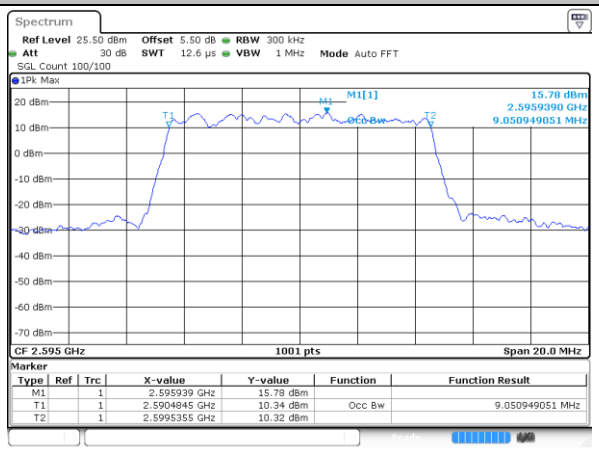
Date: 9.MAY.2018 09:46:48

Lowest Channel / 10MHz / 16QAM



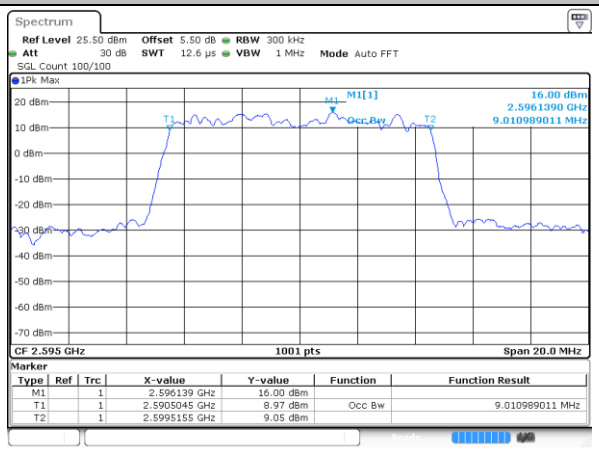
Date: 9.MAY.2018 09:46:58

Middle Channel / 10MHz / QPSK



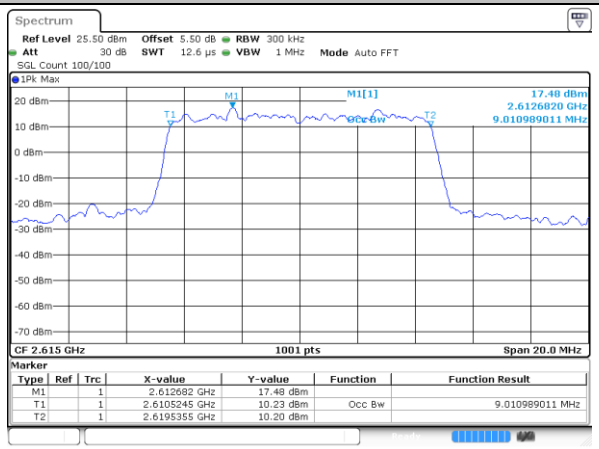
Date: 9.MAY.2018 09:47:30

Middle Channel / 10MHz / 16QAM



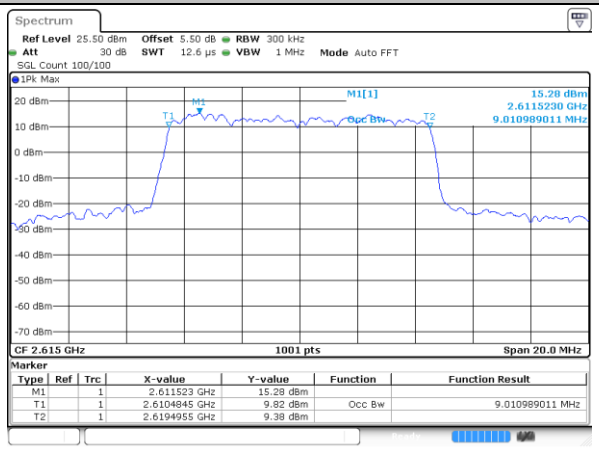
Date: 9.MAY.2018 09:47:41

Highest Channel / 10MHz / QPSK



Date: 9.MAY.2018 09:48:13

Highest Channel / 10MHz / 16QAM



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