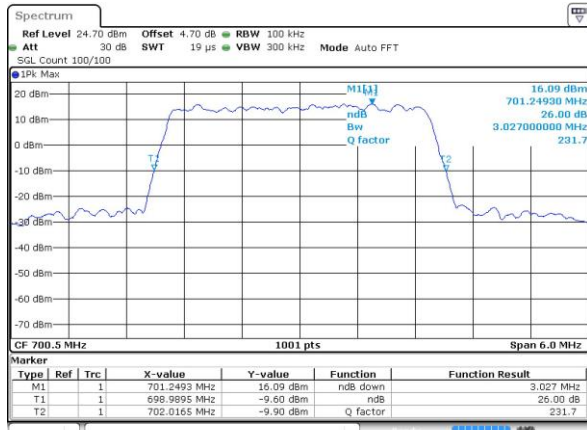


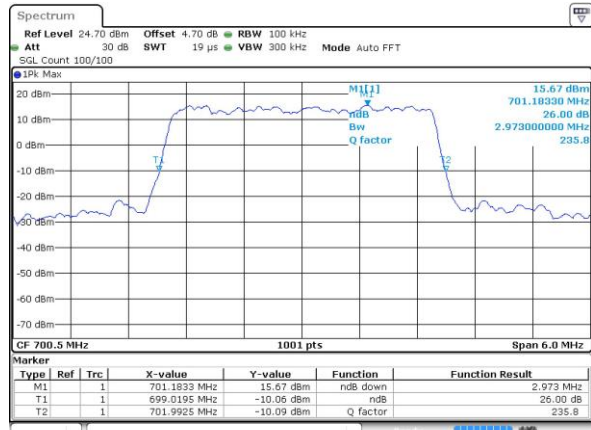


LTE Band 12

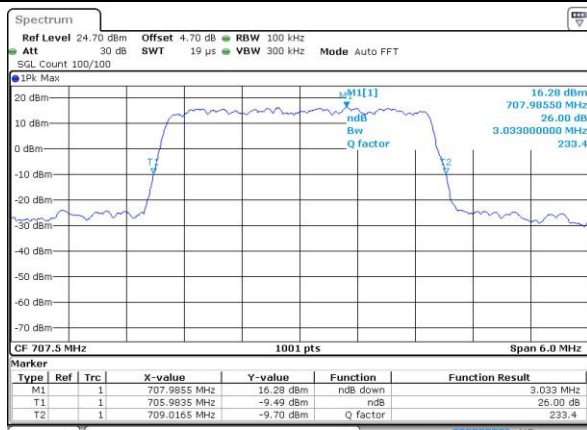
Lowest Channel / 3MHz / QPSK



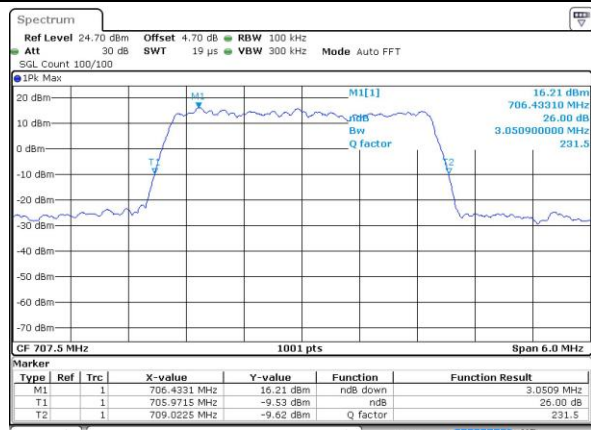
Lowest Channel / 3MHz / 16QAM



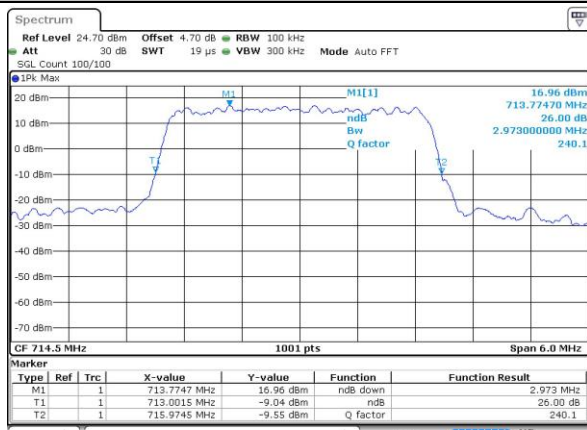
Middle Channel / 3MHz / QPSK



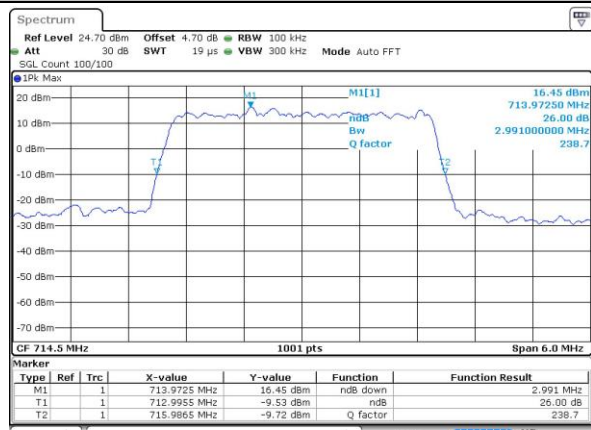
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



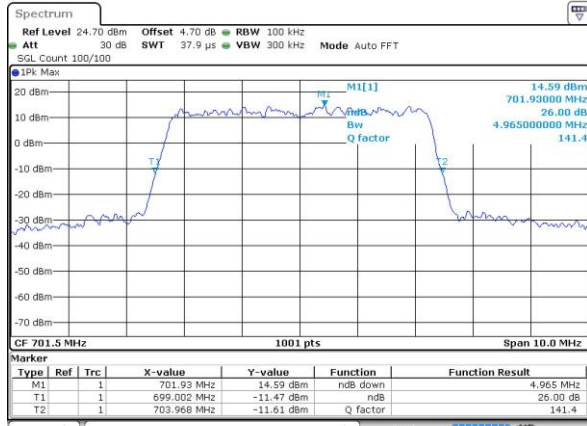
Highest Channel / 3MHz / 16QAM





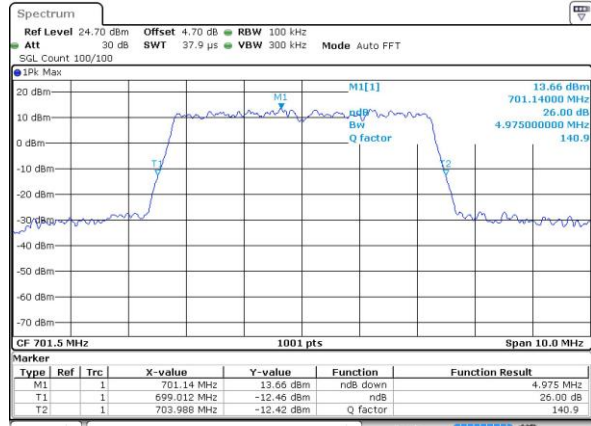
LTE Band 12

Lowest Channel / 5MHz / QPSK



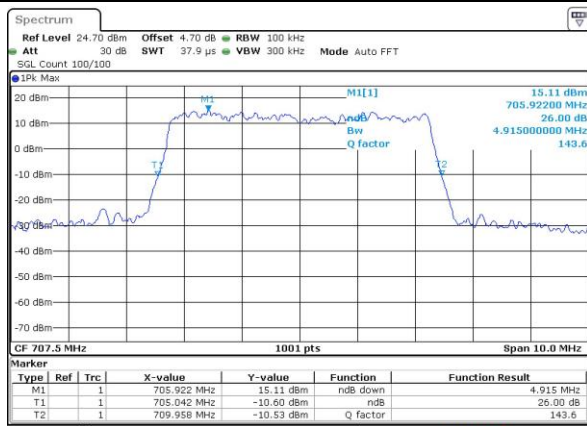
Date: 19 APR 2017 16:29:15

Lowest Channel / 5MHz / 16QAM



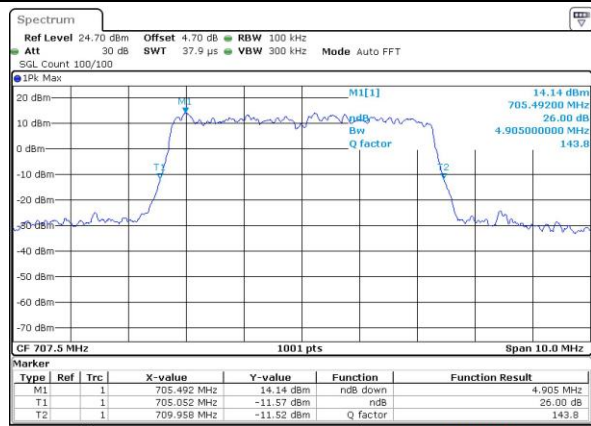
Date: 19 APR 2017 16:29:04

Middle Channel / 5MHz / QPSK



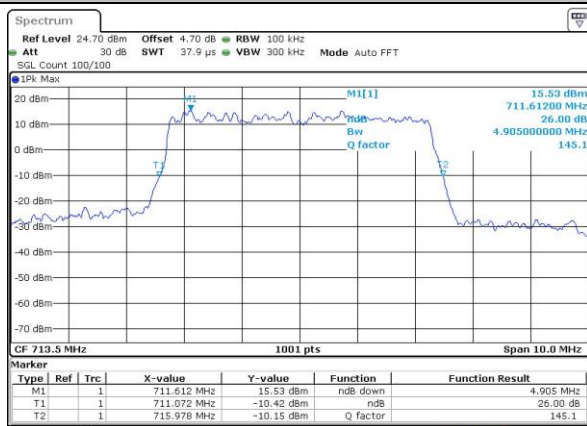
Date: 19 APR 2017 16:28:42

Middle Channel / 5MHz / 16QAM



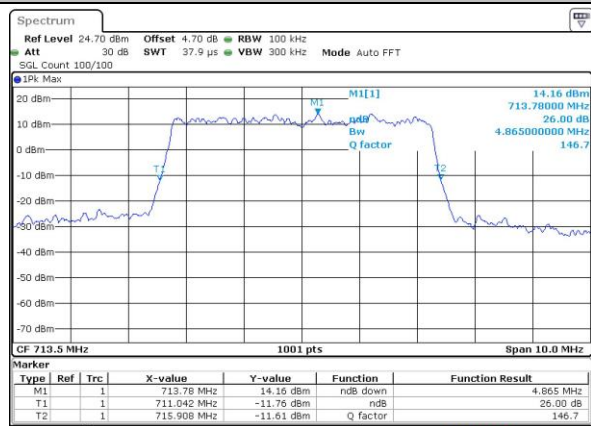
Date: 19 APR 2017 16:28:53

Highest Channel / 5MHz / QPSK



Date: 19 APR 2017 16:28:31

Highest Channel / 5MHz / 16QAM

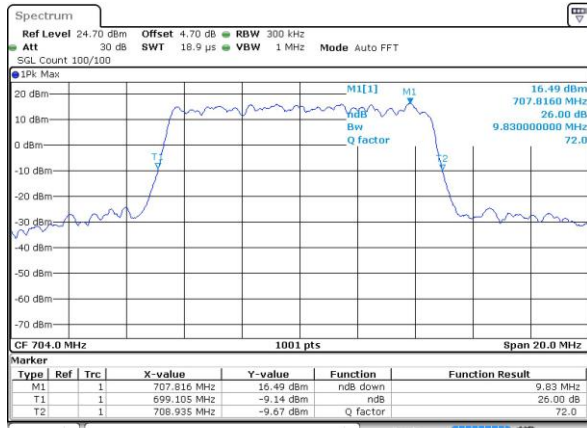


Date: 19 APR 2017 16:28:20

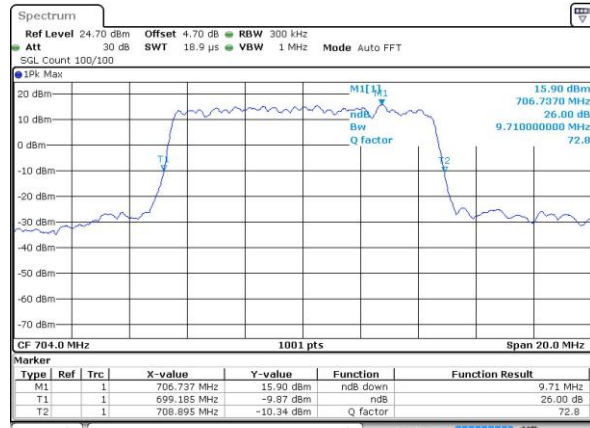


LTE Band 12

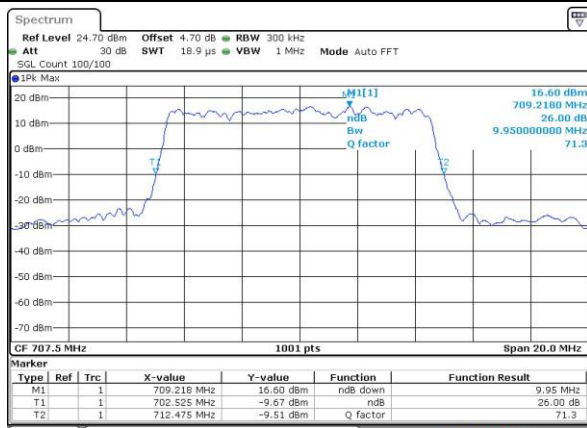
Lowest Channel / 10MHz / QPSK



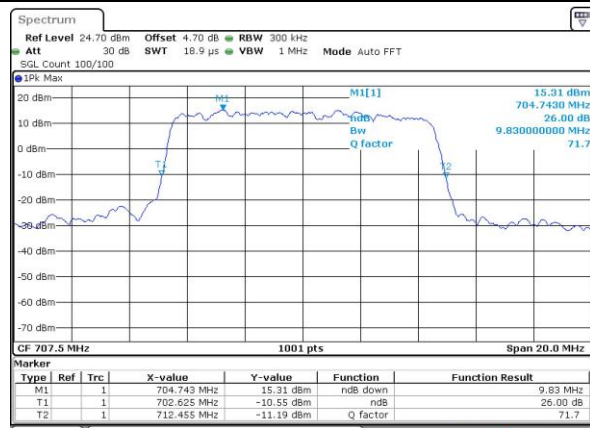
Lowest Channel / 10MHz / 16QAM



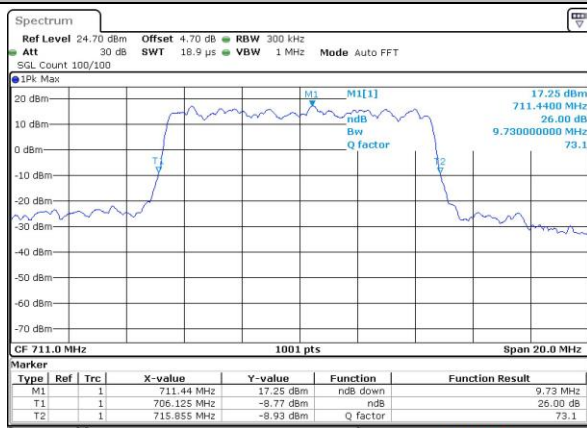
Middle Channel / 10MHz / QPSK



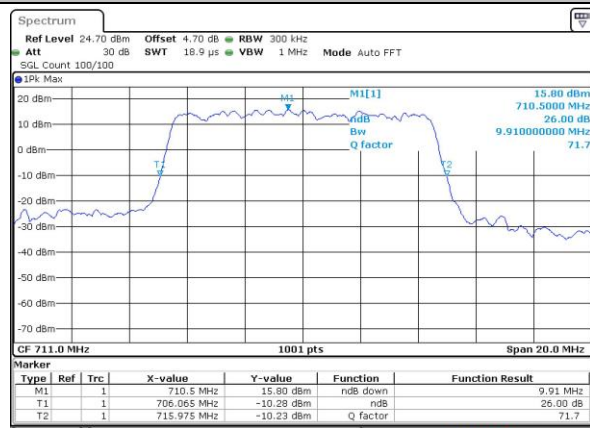
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



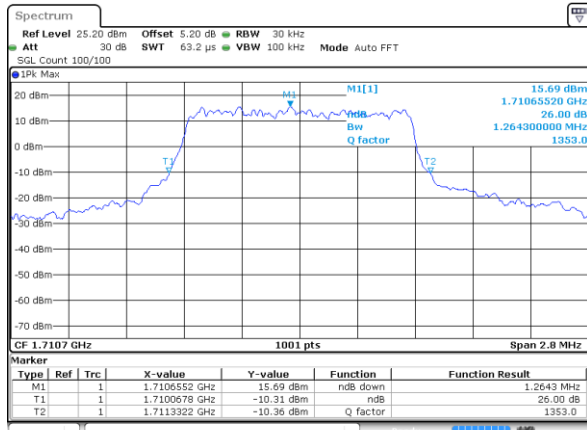
Highest Channel / 10MHz / 16QAM





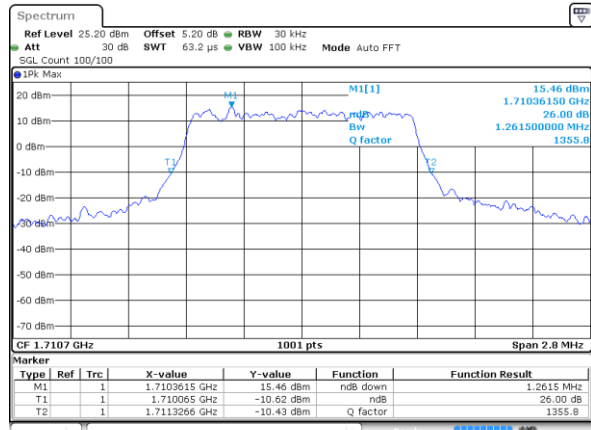
LTE Band 66

Lowest Channel / 1.4MHz / QPSK



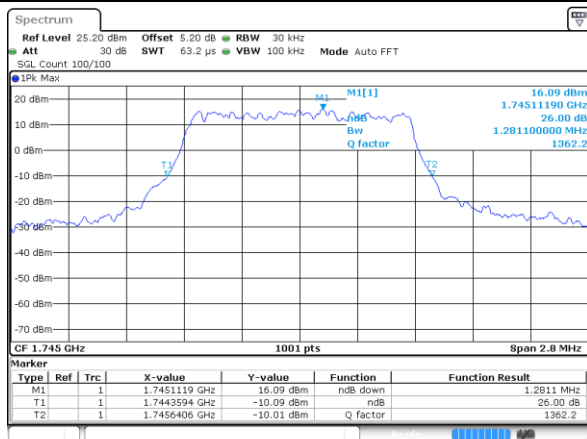
Date: 4 MAY 2017 22:30:30

Lowest Channel / 1.4MHz / 16QAM



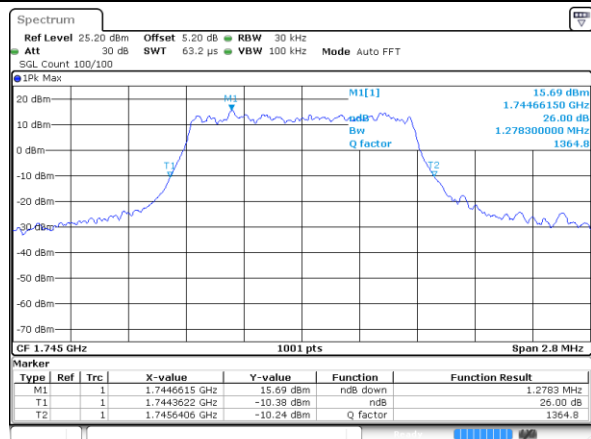
Date: 4 MAY 2017 22:31:05

Middle Channel / 1.4MHz / QPSK



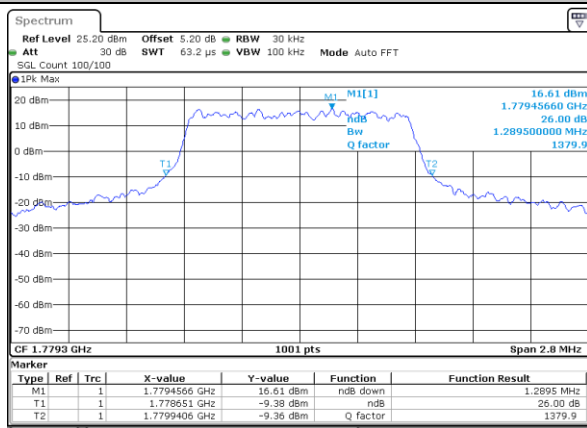
Date: 4 MAY 2017 22:32:25

Middle Channel / 1.4MHz / 16QAM



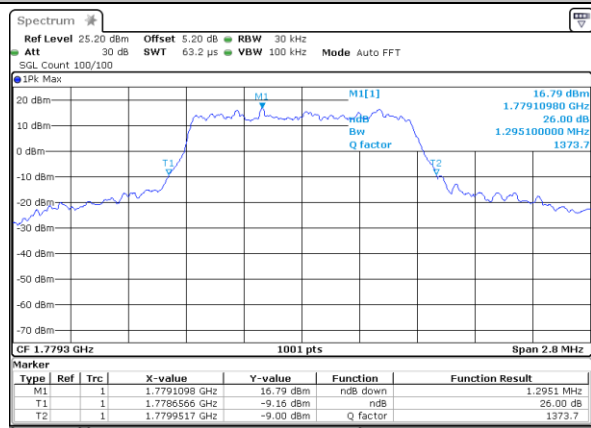
Date: 4 MAY 2017 22:31:42

Highest Channel / 1.4MHz / QPSK



Date: 4 MAY 2017 22:33:28

Highest Channel / 1.4MHz / 16QAM

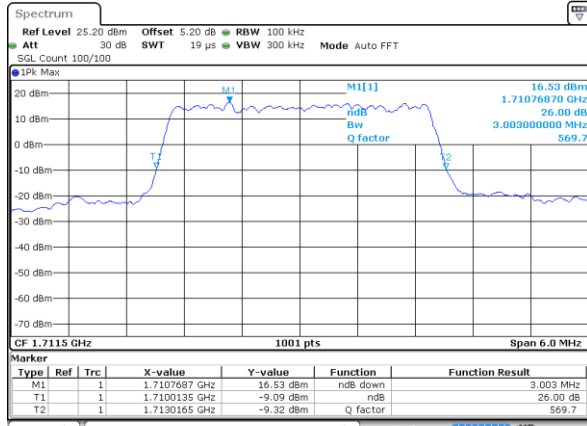


Date: 4 MAY 2017 22:35:35

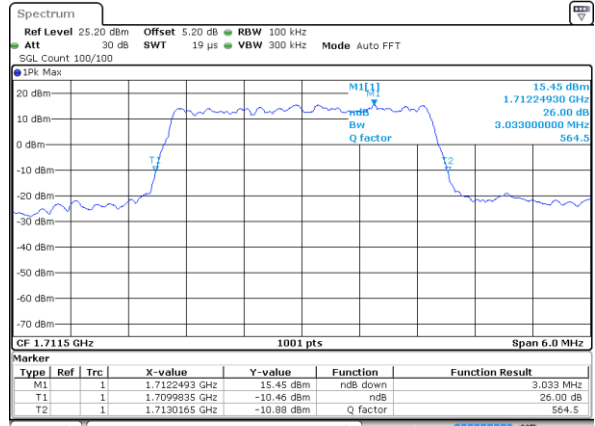


LTE Band 66

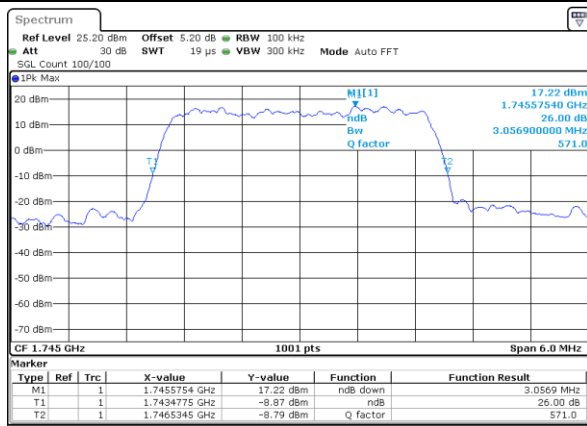
Lowest Channel / 3MHz / QPSK



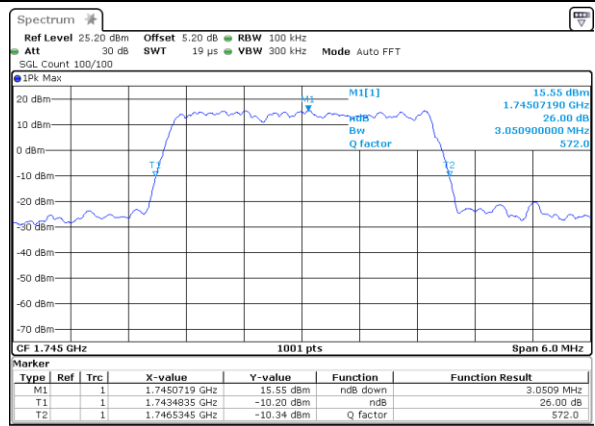
Lowest Channel / 3MHz / 16QAM



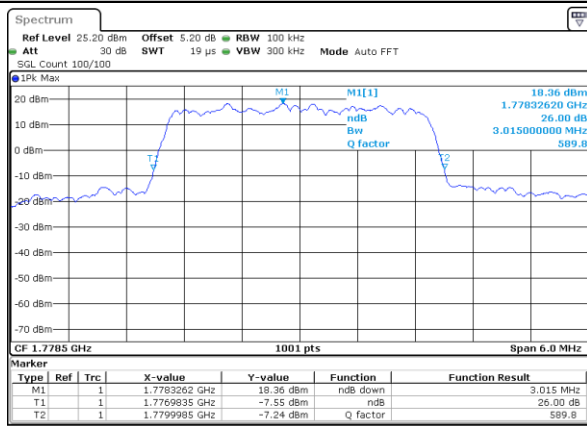
Middle Channel / 3MHz / QPSK



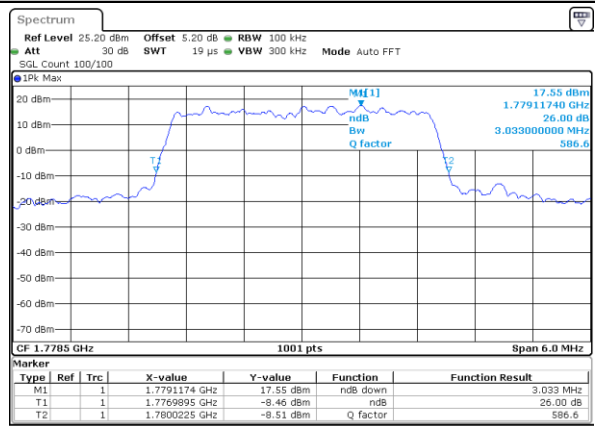
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



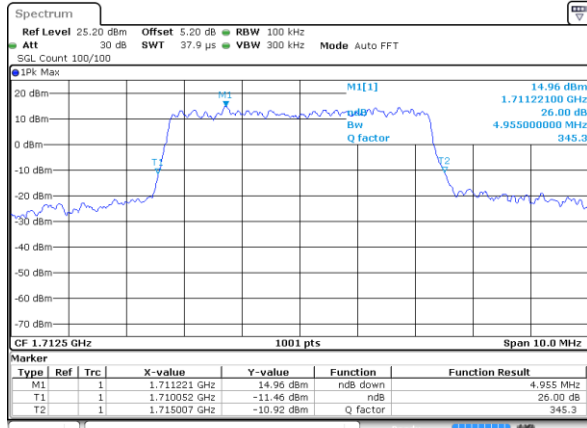
Highest Channel / 3MHz / 16QAM





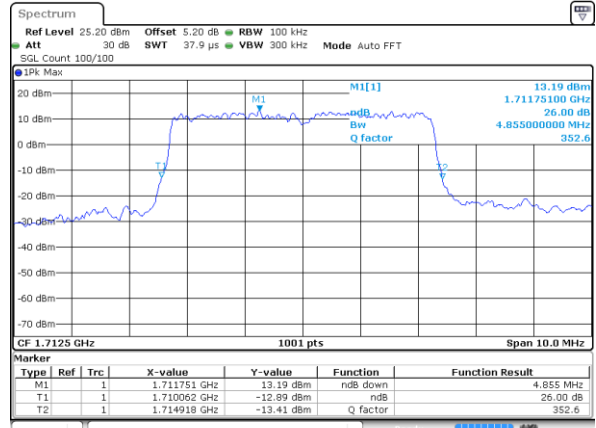
LTE Band 66

Lowest Channel / 5MHz / QPSK



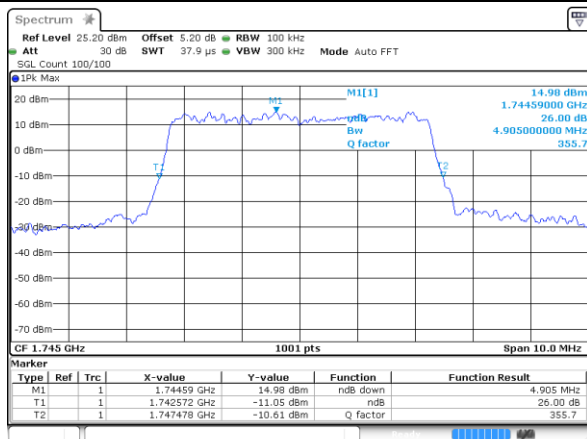
Date: 4 MAY 2017 22:43:18

Lowest Channel / 5MHz / 16QAM



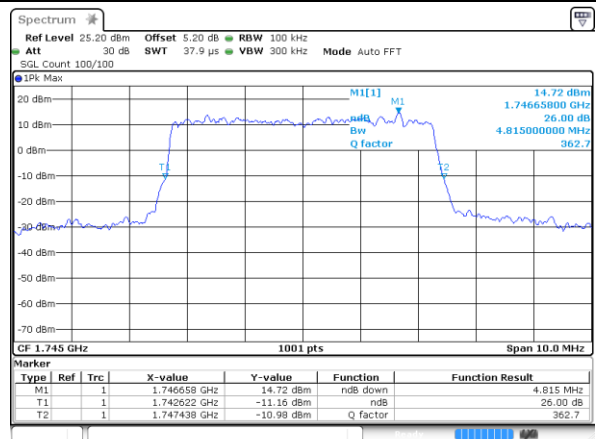
Date: 4 MAY 2017 22:43:47

Middle Channel / 5MHz / QPSK



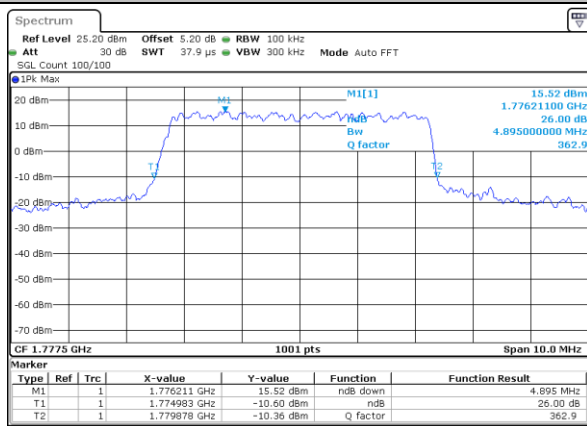
Date: 4 MAY 2017 22:45:12

Middle Channel / 5MHz / 16QAM



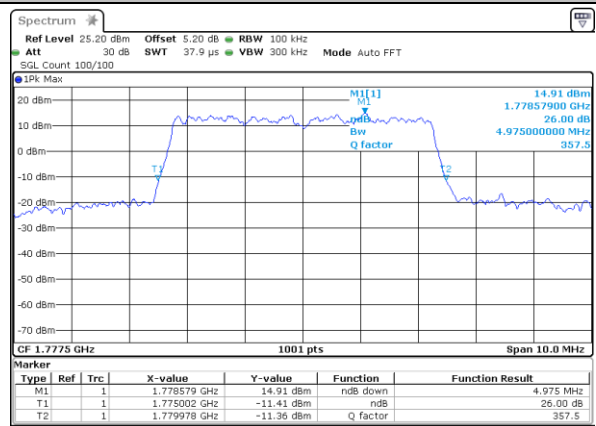
Date: 4 MAY 2017 22:44:31

Highest Channel / 5MHz / QPSK



Date: 4 MAY 2017 22:46:47

Highest Channel / 5MHz / 16QAM

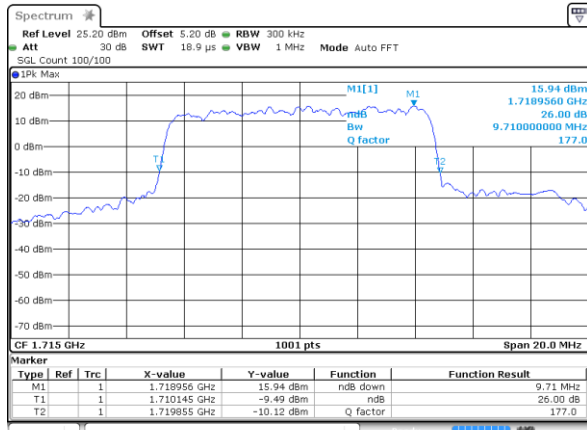


Date: 4 MAY 2017 22:47:19



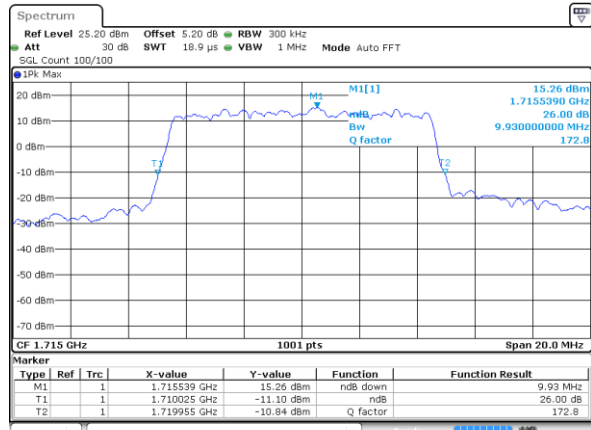
LTE Band 66

Lowest Channel / 10MHz / QPSK



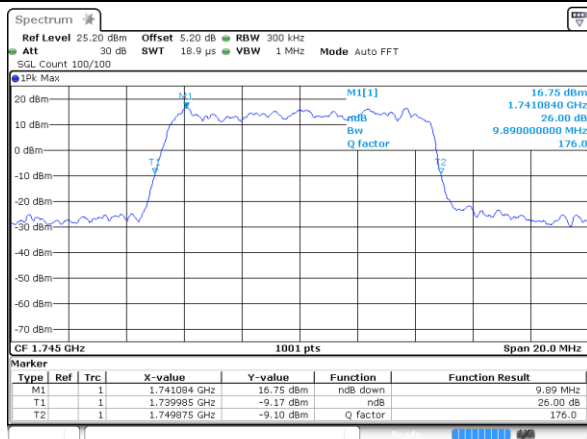
Date: 4 MAY 2017 22:49:18

Lowest Channel / 10MHz / 16QAM



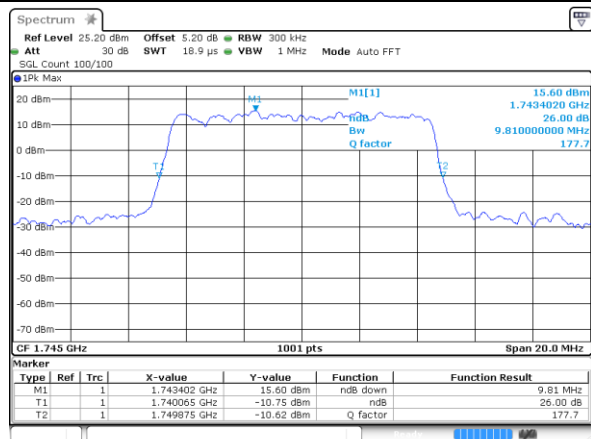
Date: 4 MAY 2017 22:48:47

Middle Channel / 10MHz / QPSK



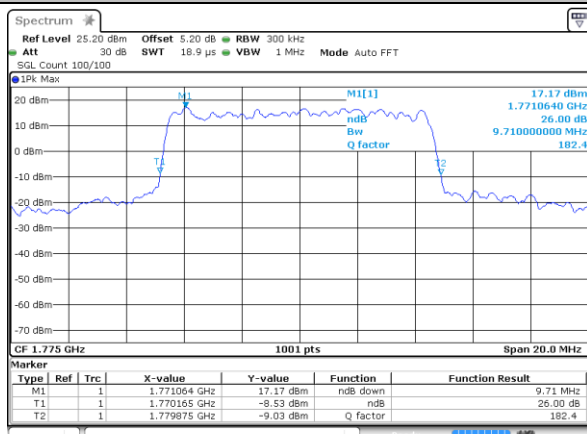
Date: 4 MAY 2017 22:49:59

Middle Channel / 10MHz / 16QAM



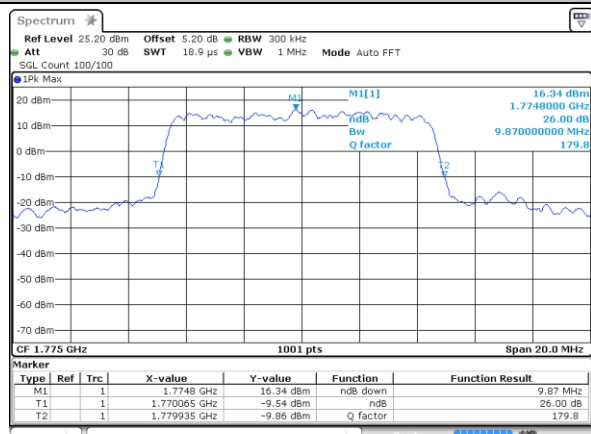
Date: 4 MAY 2017 22:50:32

Highest Channel / 10MHz / QPSK



Date: 4 MAY 2017 22:52:06

Highest Channel / 10MHz / 16QAM

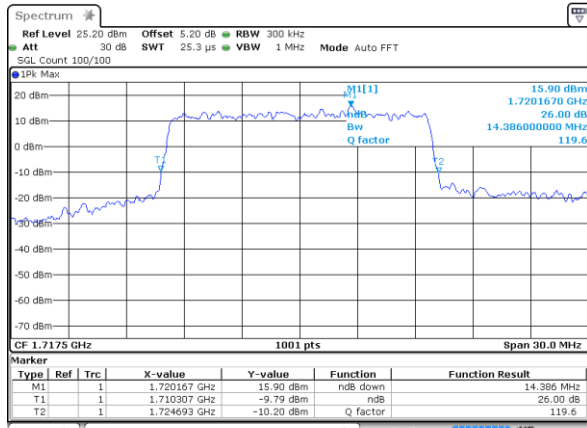


Date: 4 MAY 2017 22:51:33

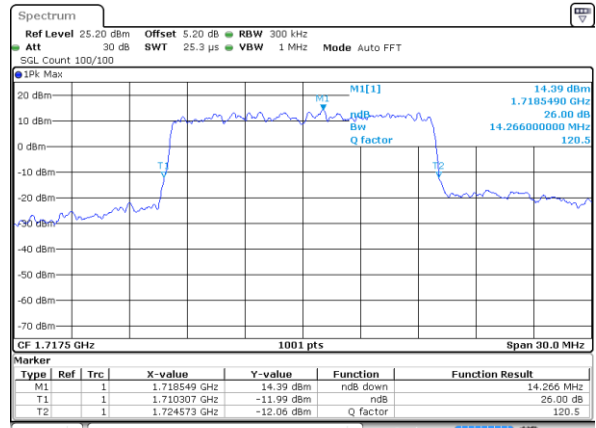


LTE Band 66

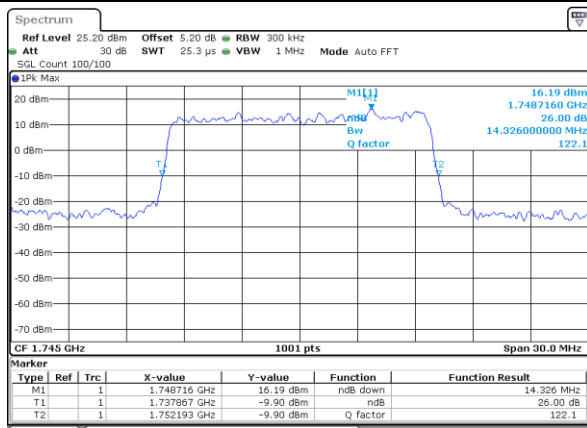
Lowest Channel / 15MHz / QPSK



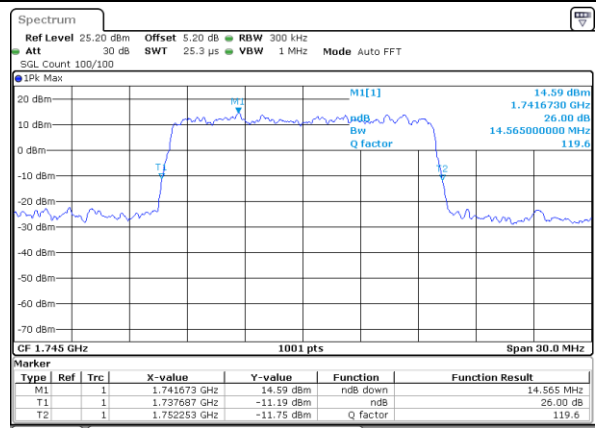
Lowest Channel / 15MHz / 16QAM



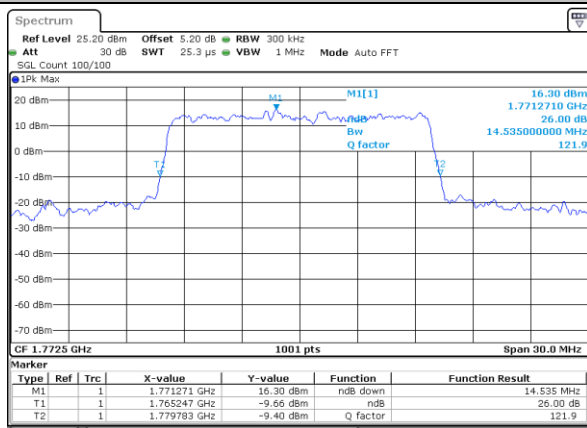
Middle Channel / 15MHz / QPSK



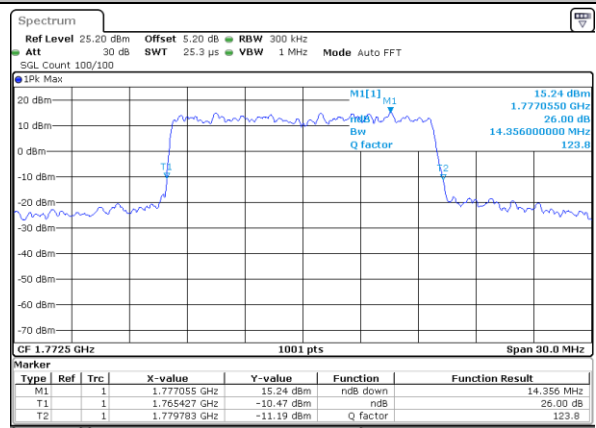
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



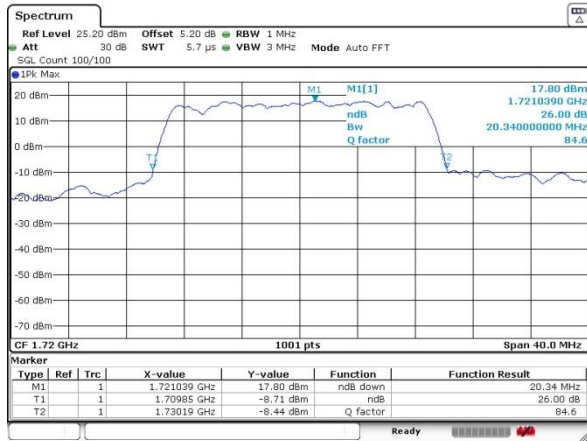
Highest Channel / 15MHz / 16QAM





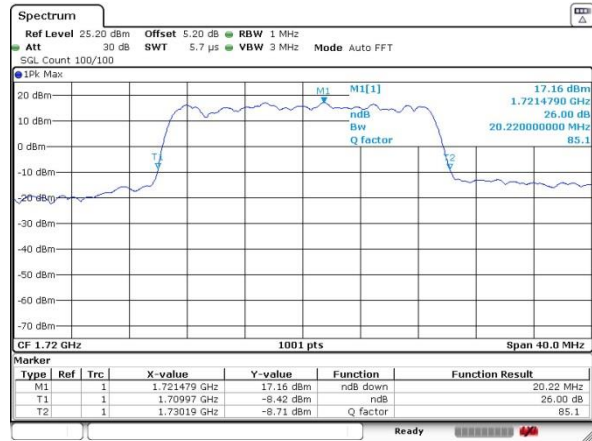
LTE Band 66

Lowest Channel / 20MHz / QPSK



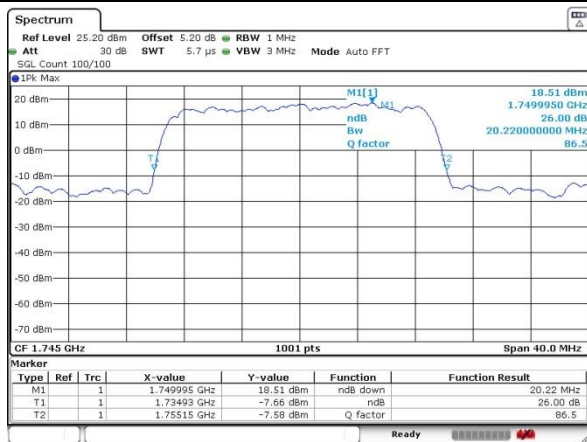
Date: 4 MAY 2017 23:33:33

Lowest Channel / 20MHz / 16QAM



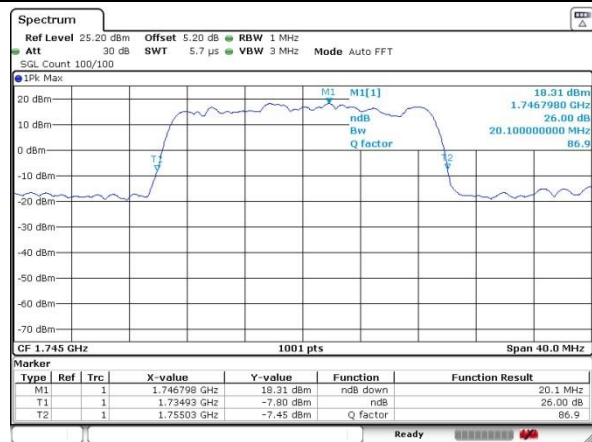
Date: 4 MAY 2017 23:33:05

Middle Channel / 20MHz / QPSK



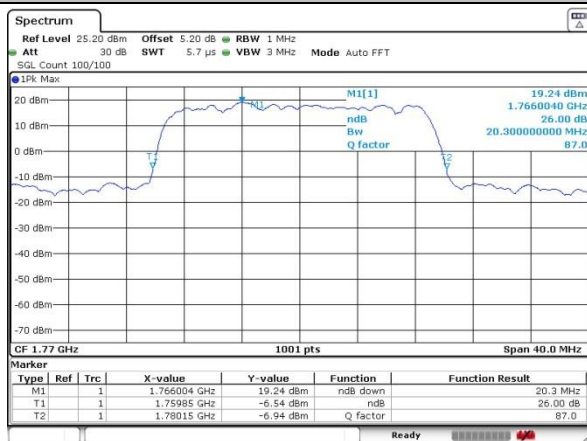
Date: 4 MAY 2017 23:29:18

Middle Channel / 20MHz / 16QAM



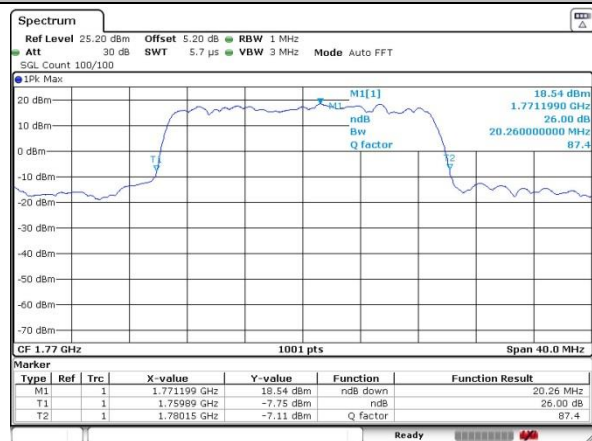
Date: 4 MAY 2017 23:29:44

Highest Channel / 20MHz / QPSK



Date: 4 MAY 2017 23:34:18

Highest Channel / 20MHz / 16QAM



Date: 4 MAY 2017 23:34:59



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	2.71	2.70	4.48	4.49	9.07	8.99	13.40	13.46	18.38	18.42
Middle CH	1.09	1.09	2.70	2.70	4.47	4.49	9.05	8.99	13.43	13.43	18.42	18.42
Highest CH	1.09	1.09	2.72	2.72	4.49	4.48	9.03	8.99	13.49	13.55	18.34	18.46

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	1.10	1.10	2.71	2.73	4.52	4.47	9.01	9.07	13.46	13.46	18.26	18.50
Middle CH	1.09	1.09	2.72	2.72	4.48	4.49	9.09	9.01	13.49	13.49	18.62	18.34
Highest CH	1.09	1.10	2.73	2.75	4.50	4.50	9.03	8.99	13.46	13.52	18.50	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	1.10	1.10	2.73	2.71	4.50	4.48	9.13	9.05	-	-	-	-
Middle CH	1.10	1.09	2.72	2.71	4.46	4.50	9.03	9.01	-	-	-	-
Highest CH	1.09	1.09	2.70	2.72	4.50	4.47	9.01	9.03	-	-	-	-

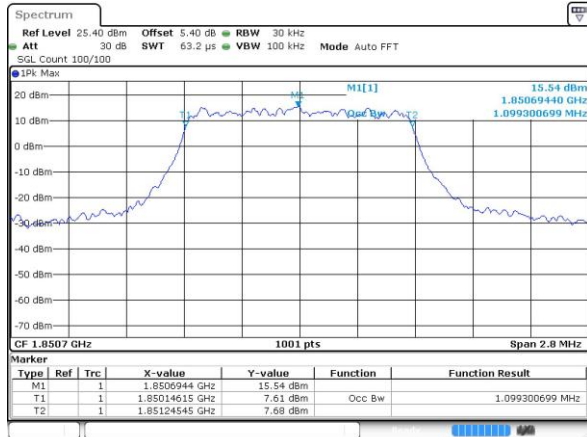
Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.72	2.70	4.48	4.51	9.01	8.97	-	-	-	-
Middle CH	1.09	1.10	2.74	2.71	4.48	4.50	9.01	9.05	-	-	-	-
Highest CH	1.10	1.10	2.72	2.74	4.49	4.49	9.07	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	1.09	1.09	2.70	2.71	4.50	4.50	9.11	9.01	13.40	13.40	18.38	18.22
Middle CH	1.09	1.10	2.71	2.71	4.48	4.49	9.07	8.99	13.40	13.52	18.22	18.42
Highest CH	1.09	1.10	2.72	2.71	4.51	4.50	9.09	8.95	13.46	13.43	18.46	18.34

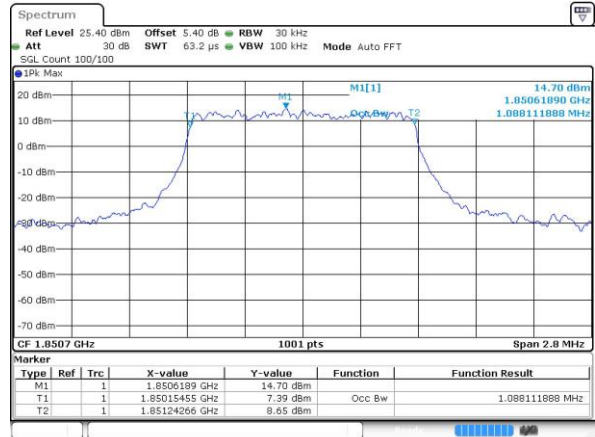


LTE Band 2

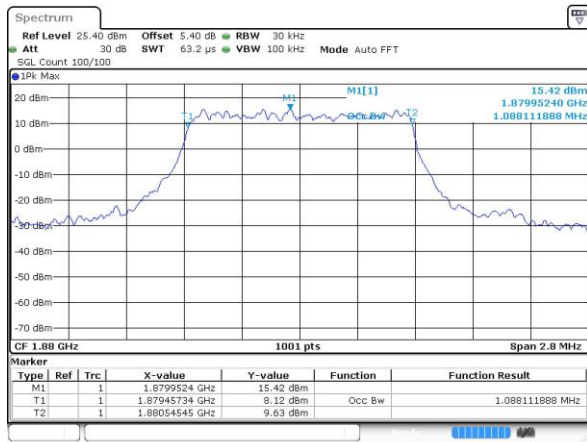
Lowest Channel / 1.4MHz / QPSK



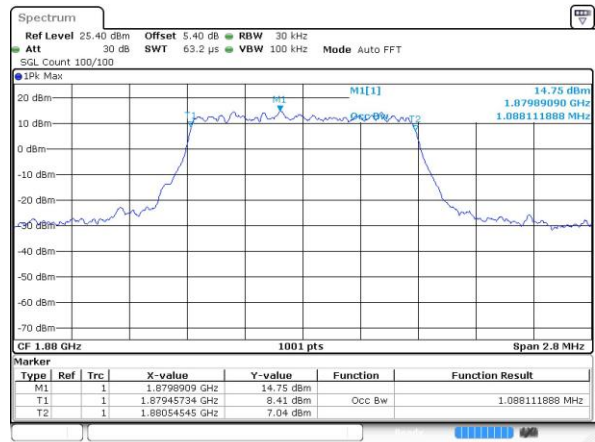
Lowest Channel / 1.4MHz / 16QAM



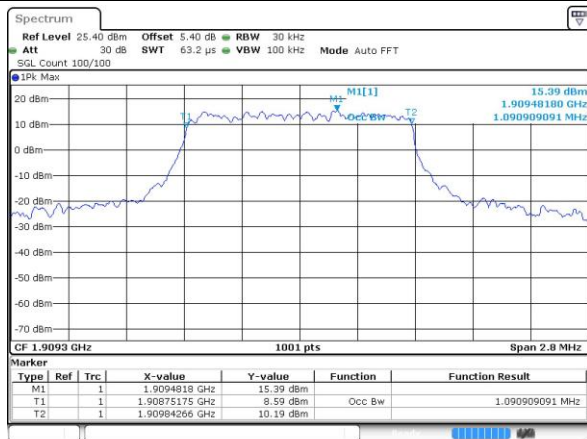
Middle Channel / 1.4MHz / QPSK



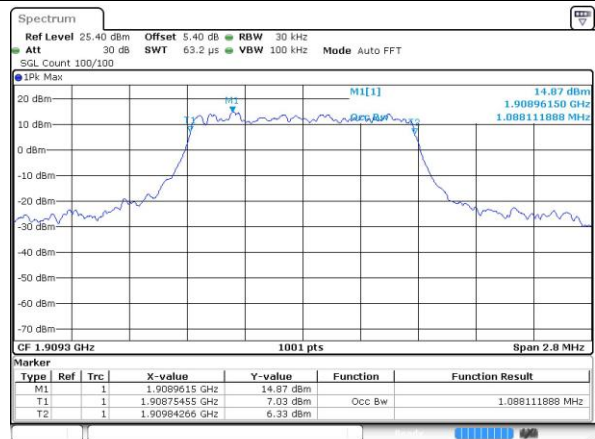
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



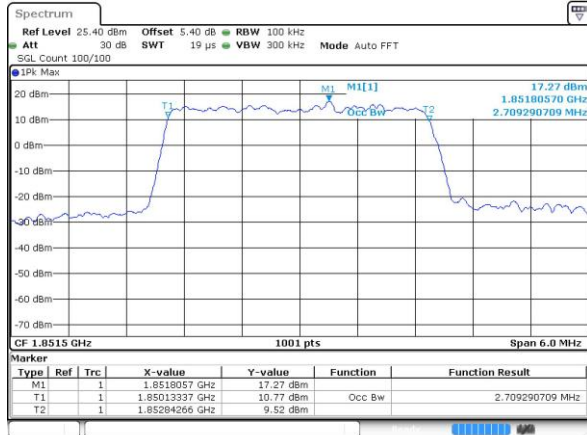
Highest Channel / 1.4MHz / 16QAM





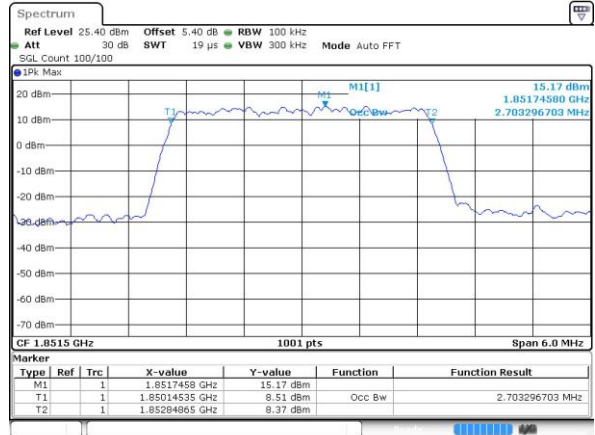
LTE Band 2

Lowest Channel / 3MHz / QPSK



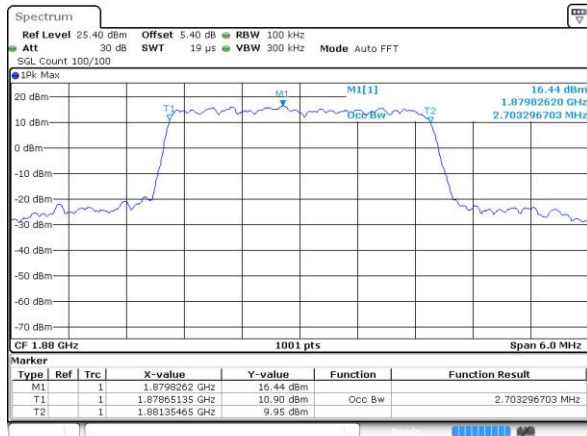
Date: 15 APR 2017 11:53:02

Lowest Channel / 3MHz / 16QAM



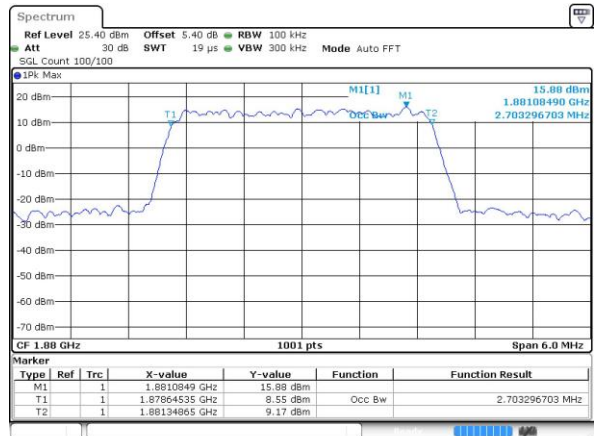
Date: 15 APR 2017 11:53:13

Middle Channel / 3MHz / QPSK



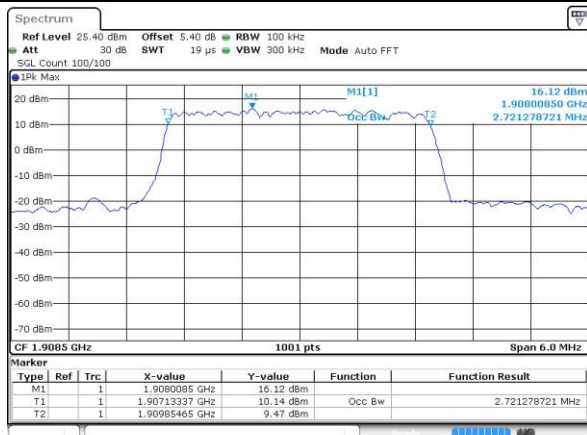
Date: 15 APR 2017 12:00:15

Middle Channel / 3MHz / 16QAM



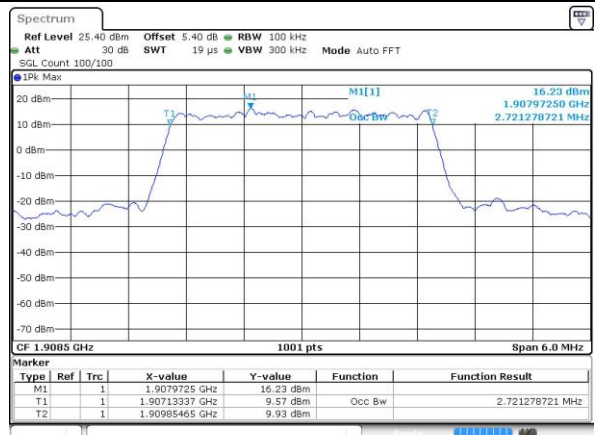
Date: 15 APR 2017 12:00:26

Highest Channel / 3MHz / QPSK



Date: 15 APR 2017 12:02:52

Highest Channel / 3MHz / 16QAM

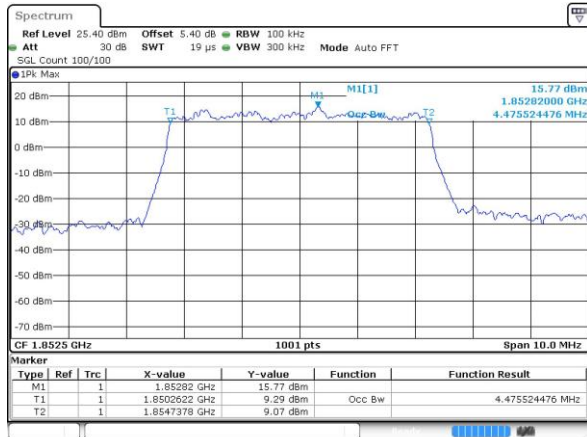


Date: 15 APR 2017 12:03:04



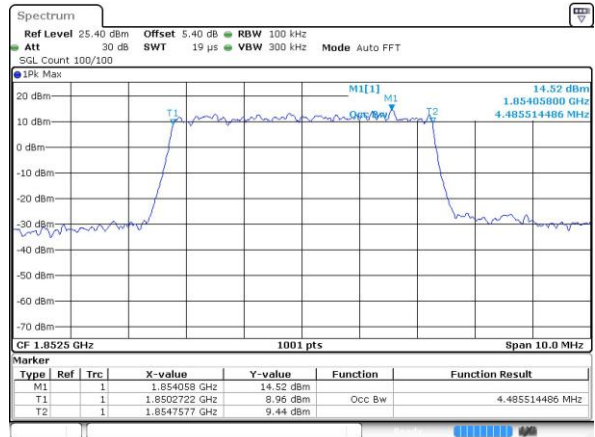
LTE Band 2

Lowest Channel / 5MHz / QPSK



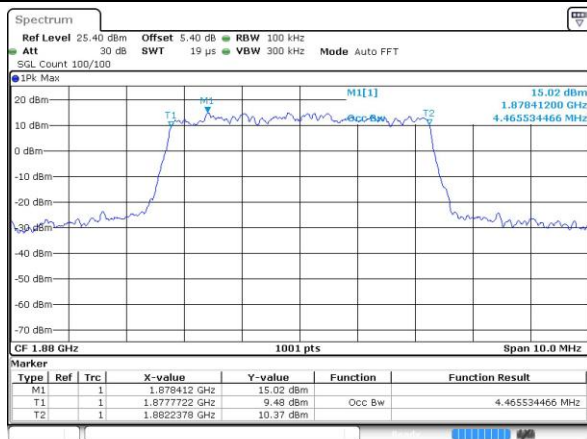
Date: 15 APR 2017 12:10:05

Lowest Channel / 5MHz / 16QAM



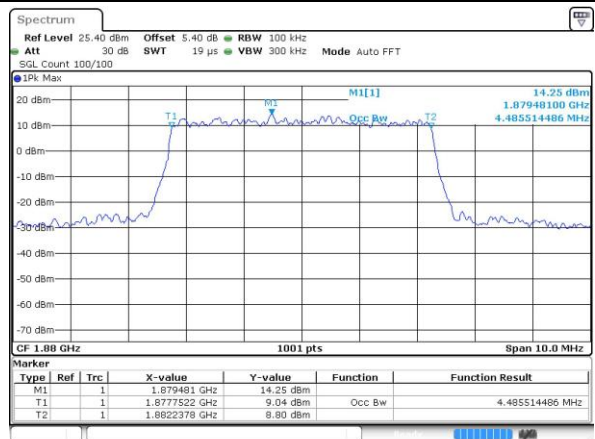
Date: 15 APR 2017 12:10:16

Middle Channel / 5MHz / QPSK



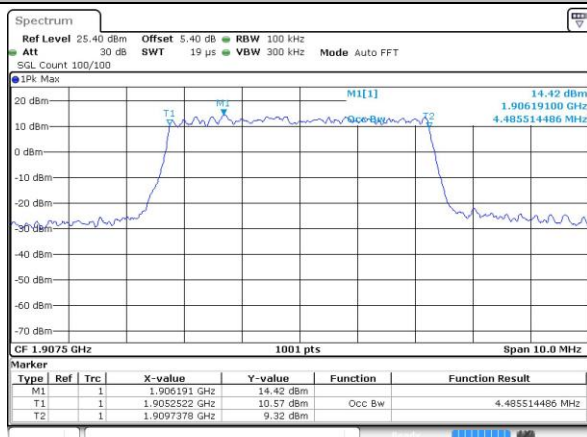
Date: 15 APR 2017 12:17:18

Middle Channel / 5MHz / 16QAM



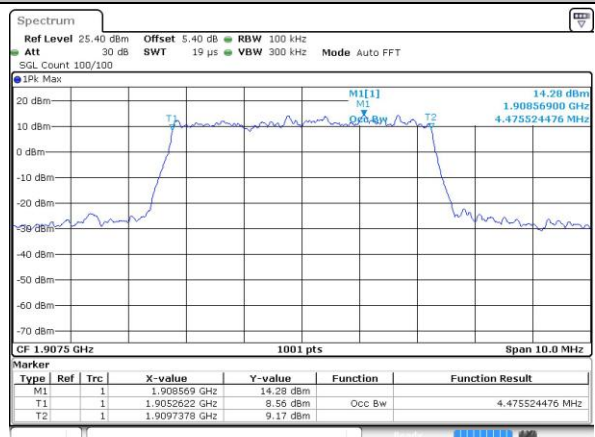
Date: 15 APR 2017 12:17:29

Highest Channel / 5MHz / QPSK



Date: 15 APR 2017 12:19:55

Highest Channel / 5MHz / 16QAM

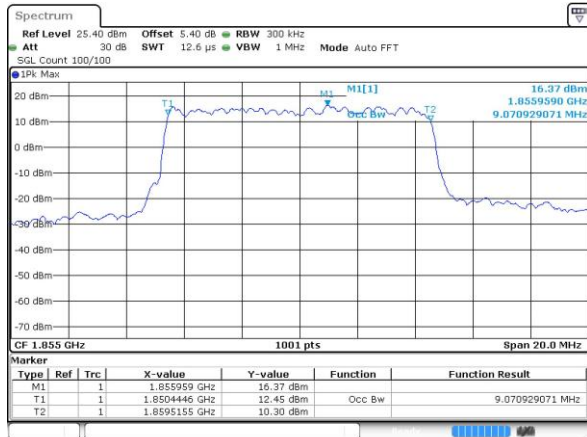


Date: 15 APR 2017 12:20:06



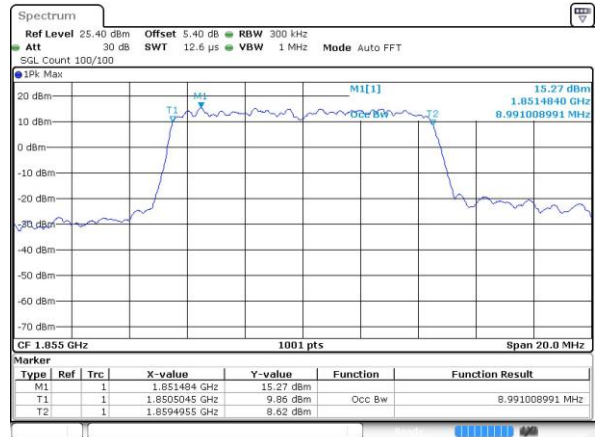
LTE Band 2

Lowest Channel / 10MHz / QPSK



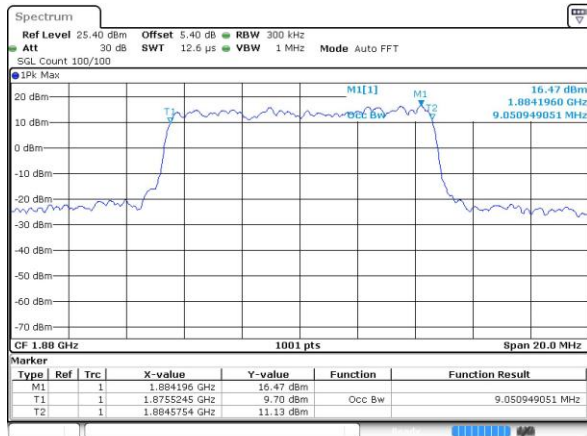
Date: 15 APR 2017 12:27:08

Lowest Channel / 10MHz / 16QAM



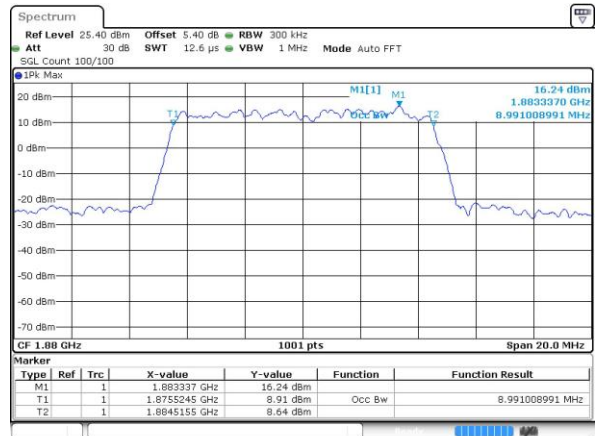
Date: 15 APR 2017 12:27:19

Middle Channel / 10MHz / QPSK



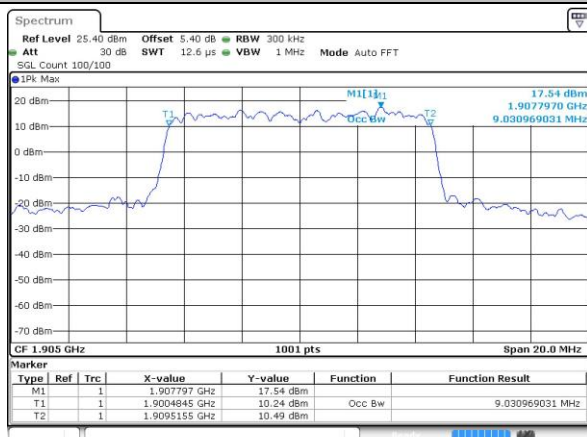
Date: 15 APR 2017 12:34:21

Middle Channel / 10MHz / 16QAM



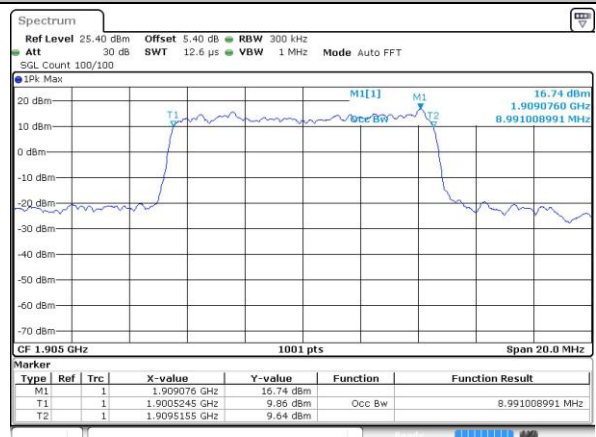
Date: 15 APR 2017 12:34:32

Highest Channel / 10MHz / QPSK



Date: 15 APR 2017 12:36:58

Highest Channel / 10MHz / 16QAM

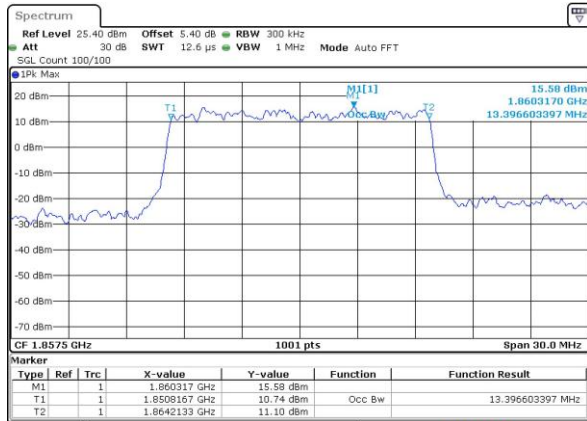


Date: 15 APR 2017 12:37:10



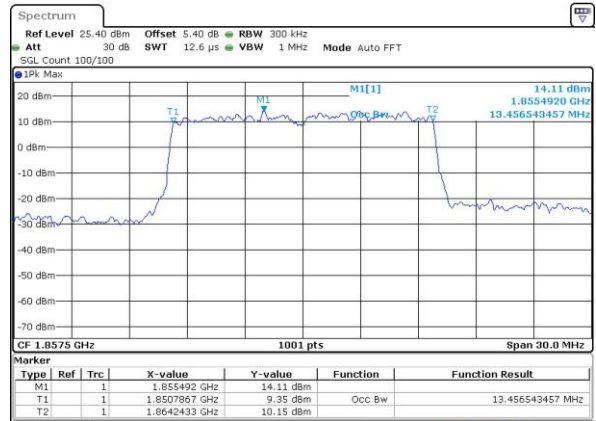
LTE Band 2

Lowest Channel / 15MHz / QPSK



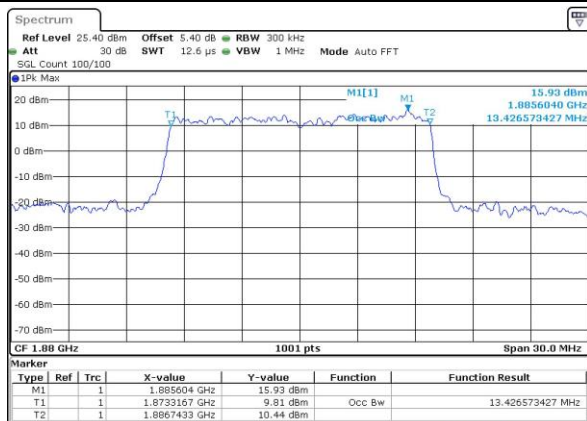
Date: 15 APR 2017 12:44:11

Lowest Channel / 15MHz / 16QAM



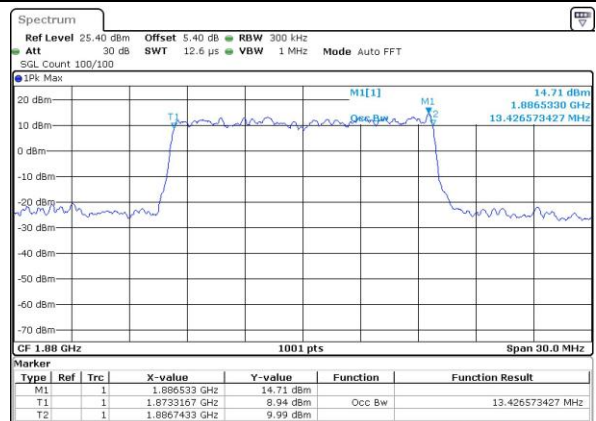
Date: 15 APR 2017 12:44:22

Middle Channel / 15MHz / QPSK



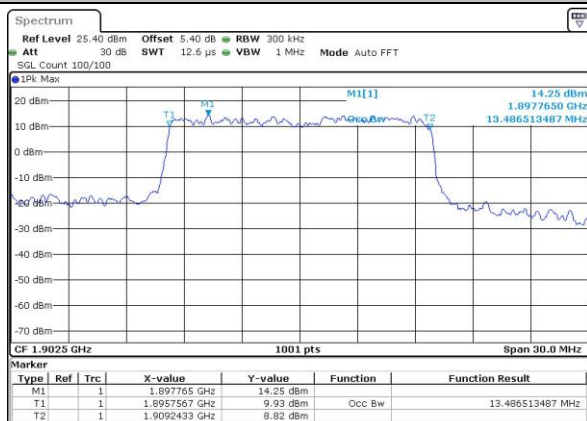
Date: 15 APR 2017 12:51:24

Middle Channel / 15MHz / 16QAM



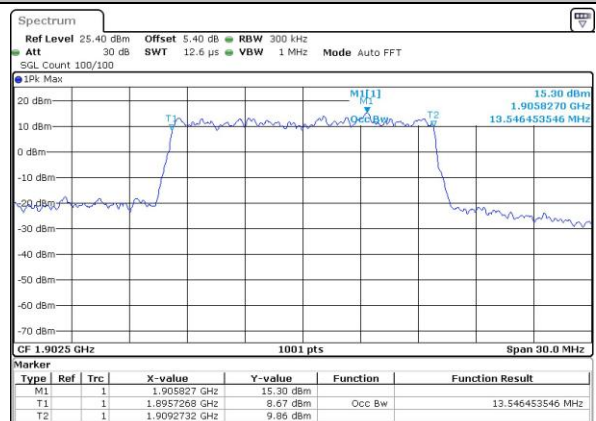
Date: 15 APR 2017 12:51:36

Highest Channel / 15MHz / QPSK



Date: 15 APR 2017 12:54:02

Highest Channel / 15MHz / 16QAM

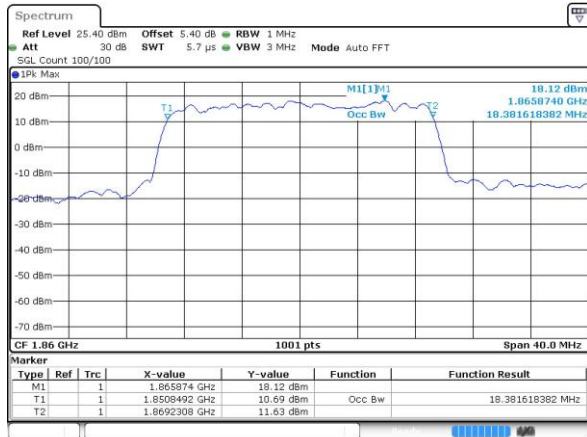


Date: 15 APR 2017 12:54:13



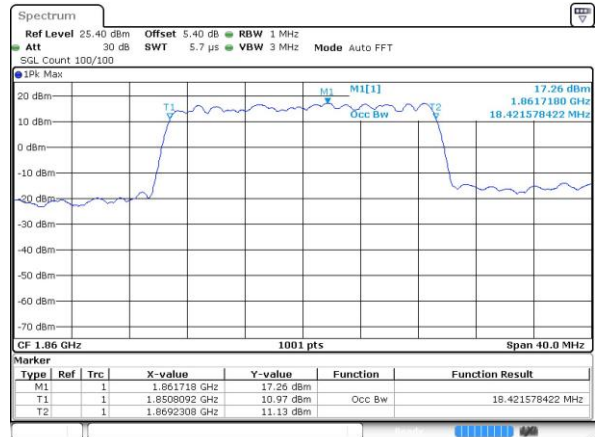
LTE Band 2

Lowest Channel / 20MHz / QPSK



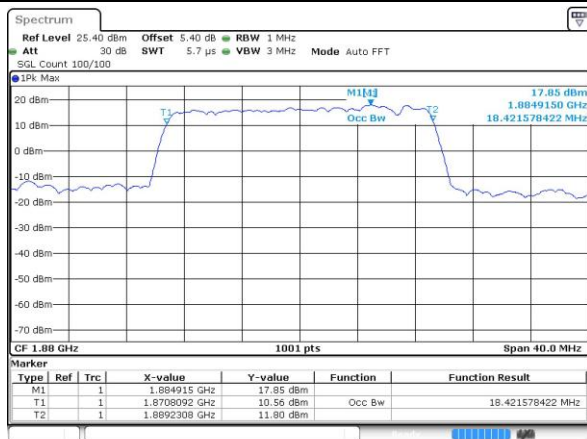
Date: 15 APR 2017 13:01:14

Lowest Channel / 20MHz / 16QAM



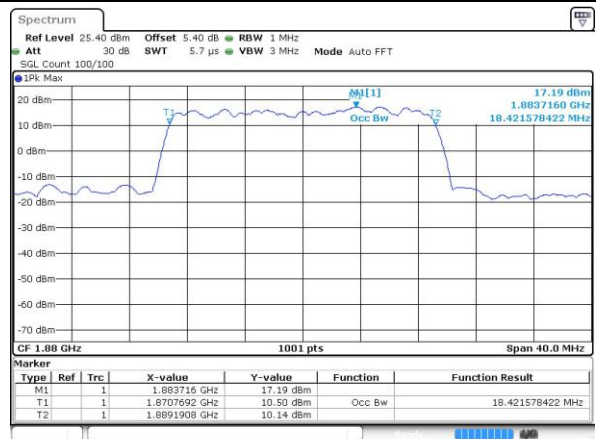
Date: 15 APR 2017 13:01:26

Middle Channel / 20MHz / QPSK



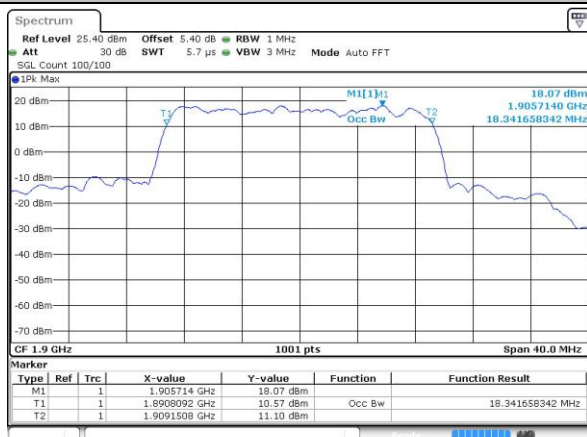
Date: 15 APR 2017 13:08:27

Middle Channel / 20MHz / 16QAM



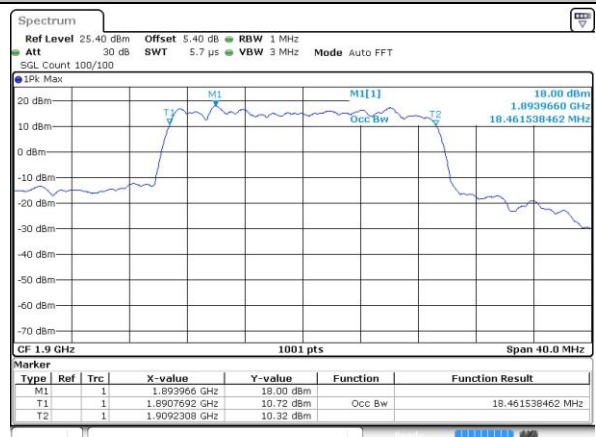
Date: 15 APR 2017 13:08:38

Highest Channel / 20MHz / QPSK



Date: 15 APR 2017 13:11:05

Highest Channel / 20MHz / 16QAM

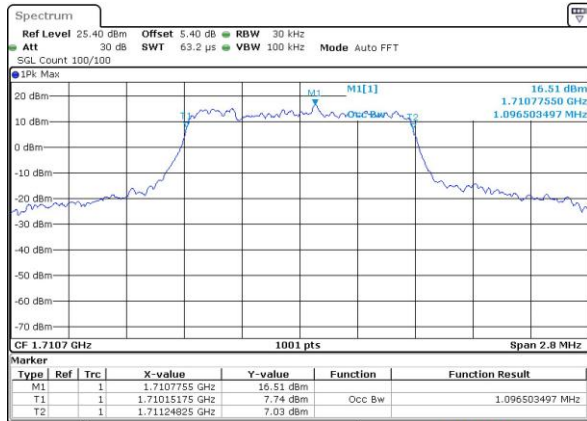


Date: 15 APR 2017 13:11:16



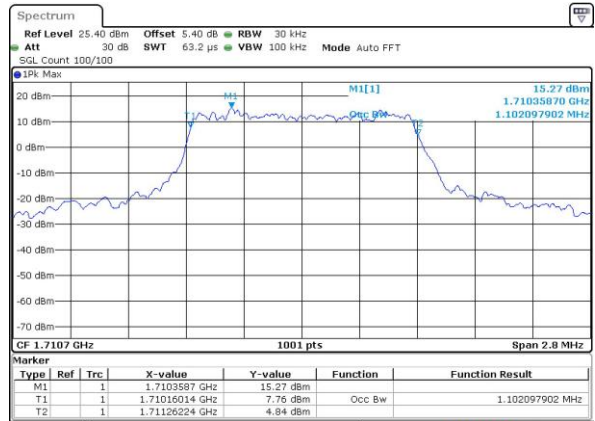
LTE Band 4

Lowest Channel / 1.4MHz / QPSK



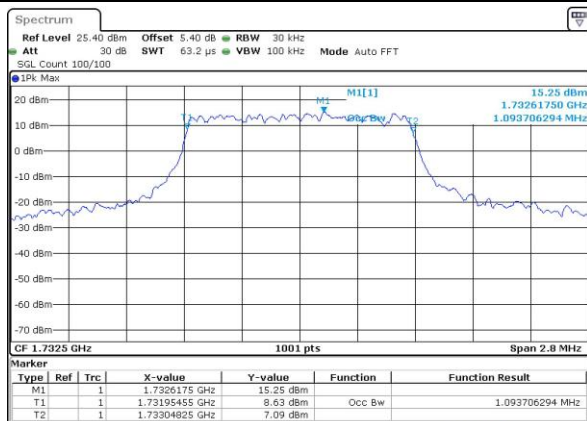
Date: 15 APR 2017 15:06:14

Lowest Channel / 1.4MHz / 16QAM



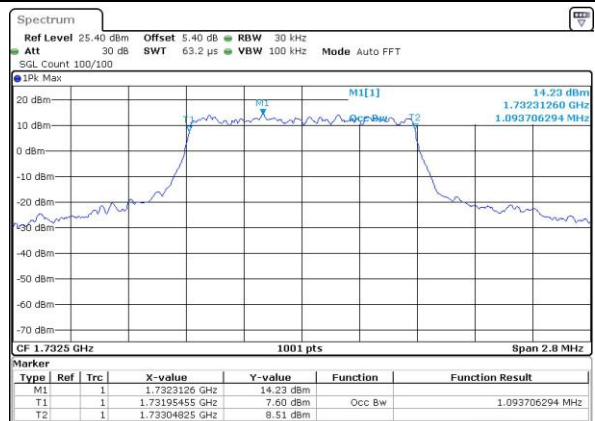
Date: 15 APR 2017 15:06:26

Middle Channel / 1.4MHz / QPSK



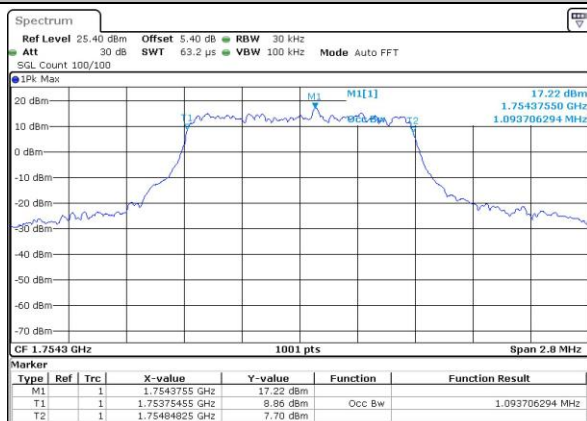
Date: 15 APR 2017 15:13:28

Middle Channel / 1.4MHz / 16QAM



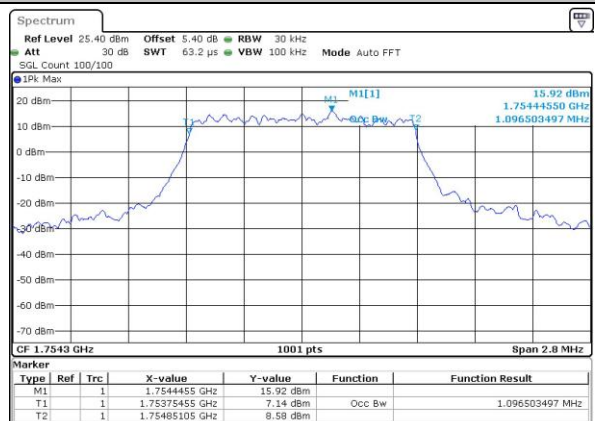
Date: 15 APR 2017 15:13:39

Highest Channel / 1.4MHz / QPSK



Date: 15 APR 2017 15:16:06

Highest Channel / 1.4MHz / 16QAM

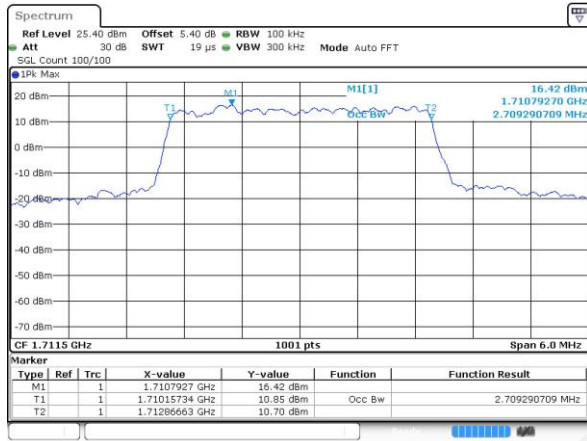


Date: 15 APR 2017 15:16:17

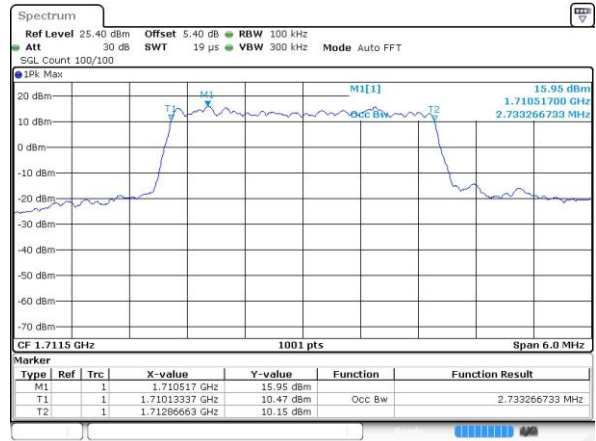


LTE Band 4

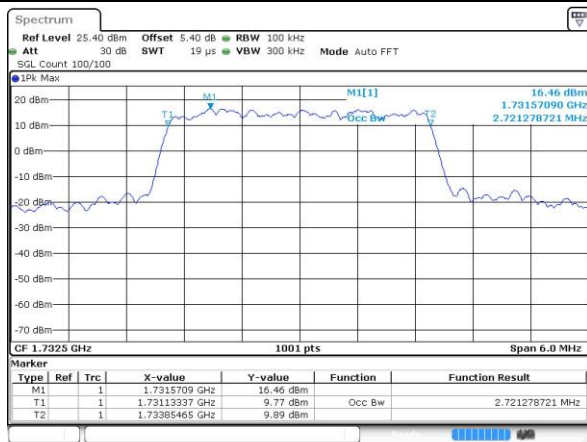
Lowest Channel / 3MHz / QPSK



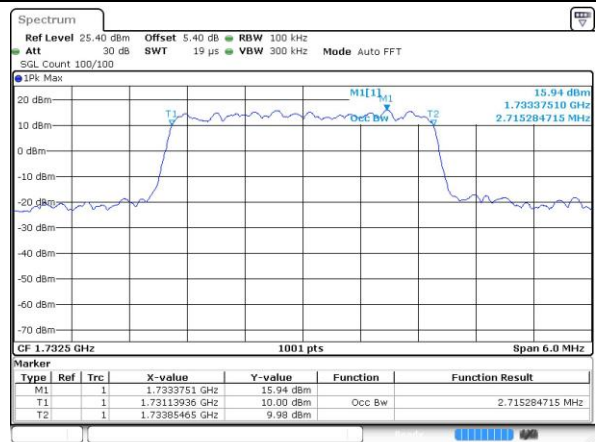
Lowest Channel / 3MHz / 16QAM



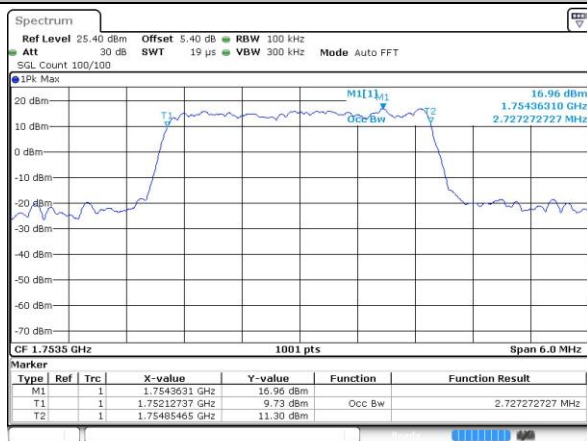
Middle Channel / 3MHz / QPSK



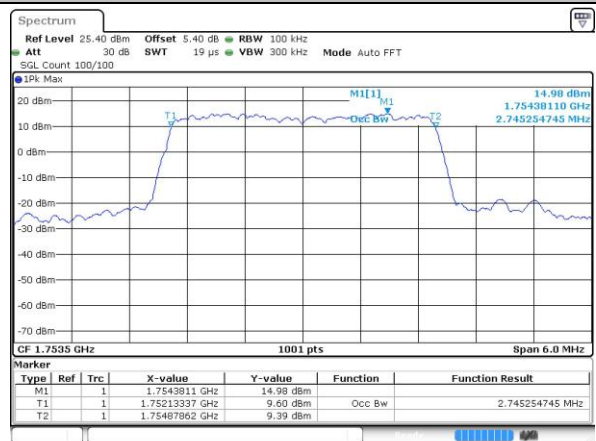
Middle Channel / 3MHz / 16QAM

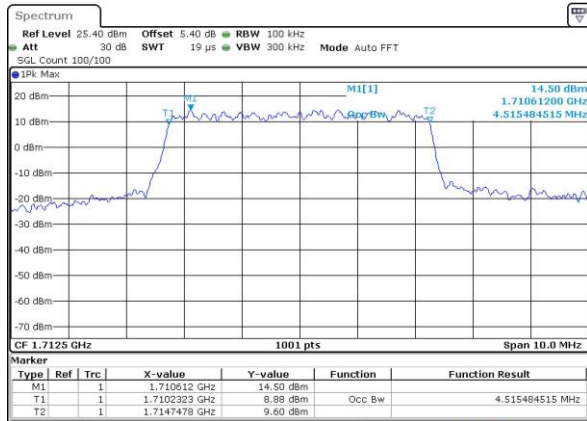
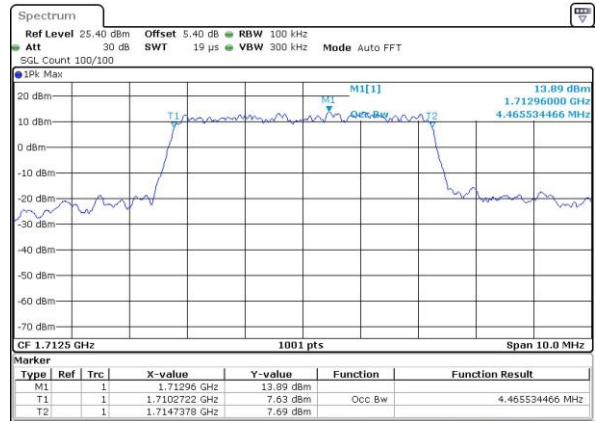
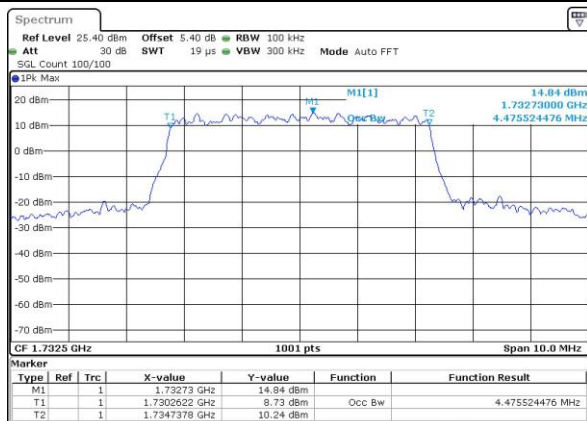
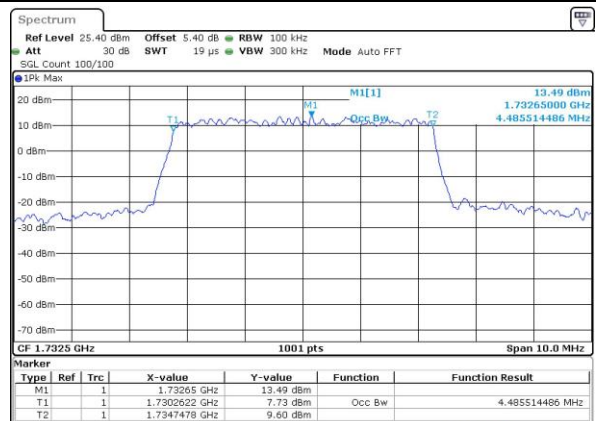
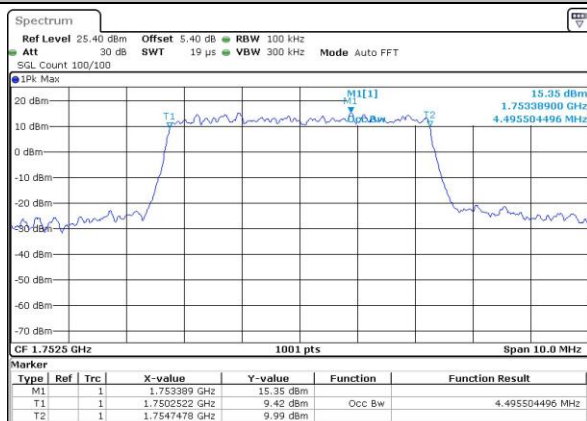


Highest Channel / 3MHz / QPSK



Highest Channel / 3MHz / 16QAM



**LTE Band 4****Lowest Channel / 5MHz / QPSK****Lowest Channel / 5MHz / 16QAM****Middle Channel / 5MHz / QPSK****Middle Channel / 5MHz / 16QAM****Highest Channel / 5MHz / QPSK****Highest Channel / 5MHz / 16QAM**