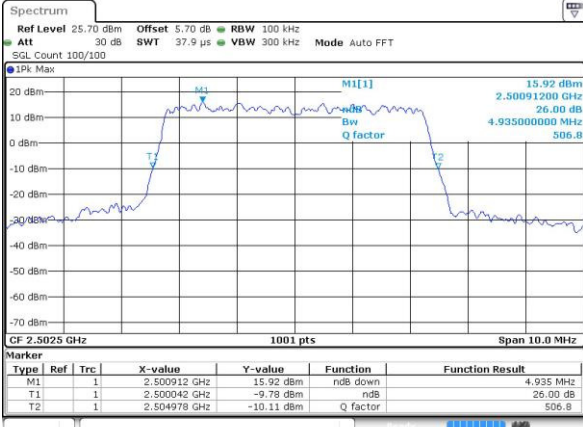




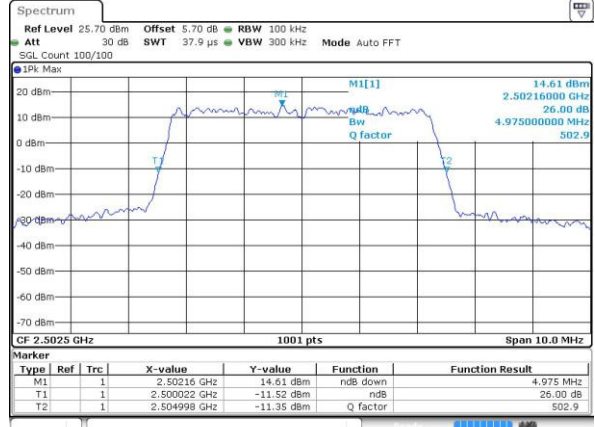
LTE Band 7

Lowest Channel / 5MHz / QPSK



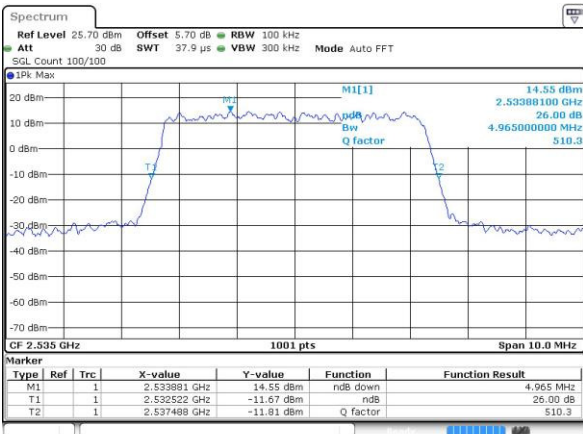
Date: 9 MAY 2017 16:09:56

Lowest Channel / 5MHz / 16QAM



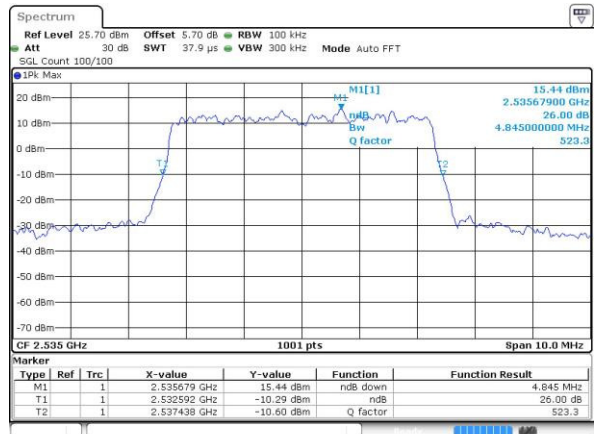
Date: 9 MAY 2017 16:10:18

Middle Channel / 5MHz / QPSK



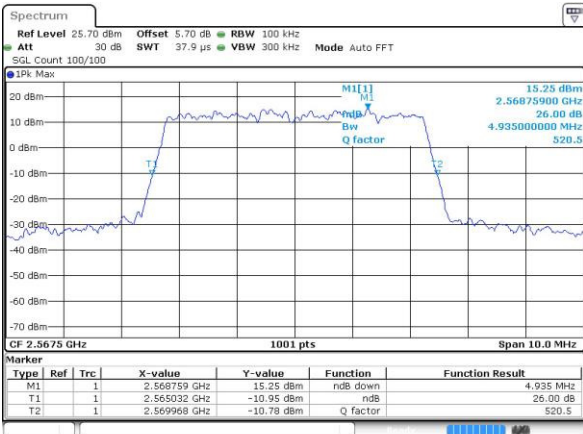
Date: 9 MAY 2017 16:11:28

Middle Channel / 5MHz / 16QAM



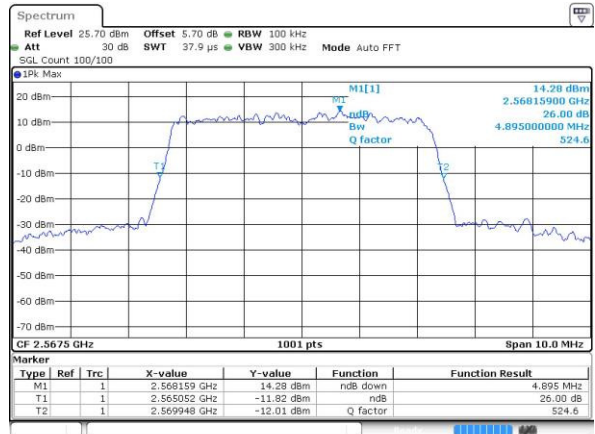
Date: 9 MAY 2017 16:10:42

Highest Channel / 5MHz / QPSK



Date: 9 MAY 2017 16:11:50

Highest Channel / 5MHz / 16QAM

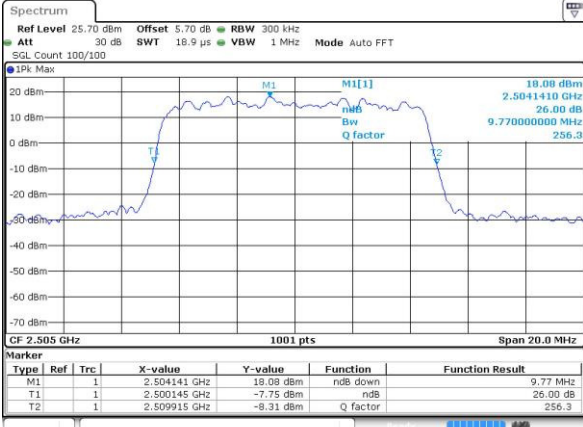


Date: 9 MAY 2017 16:12:23



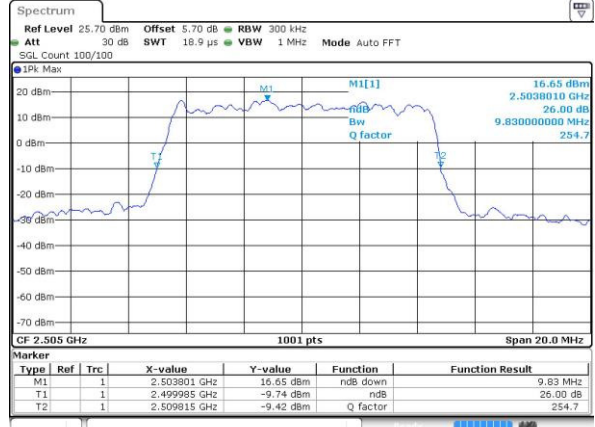
LTE Band 7

Lowest Channel / 10MHz / QPSK



Date: 9 MAY 2017 16:12:49

Lowest Channel / 10MHz / 16QAM



Date: 9 MAY 2017 16:13:10

Middle Channel / 10MHz / QPSK



Date: 9 MAY 2017 16:13:59

Middle Channel / 10MHz / 16QAM



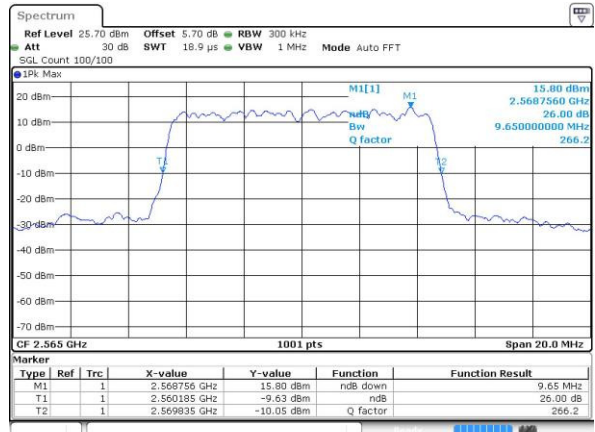
Date: 9 MAY 2017 16:13:35

Highest Channel / 10MHz / QPSK



Date: 9 MAY 2017 16:14:36

Highest Channel / 10MHz / 16QAM

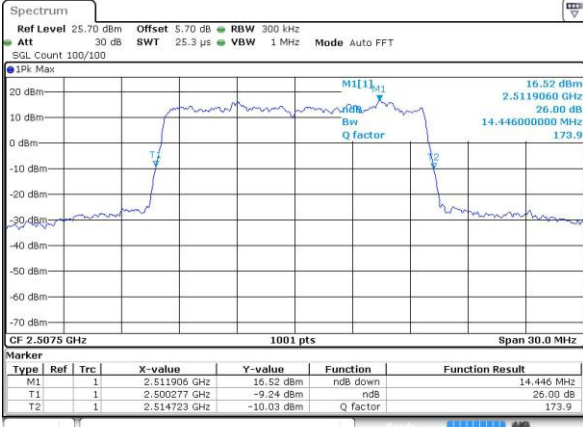


Date: 9 MAY 2017 16:15:00



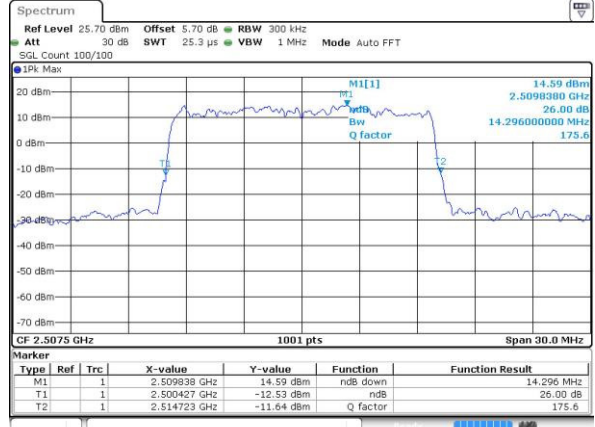
LTE Band 7

Lowest Channel / 15MHz / QPSK



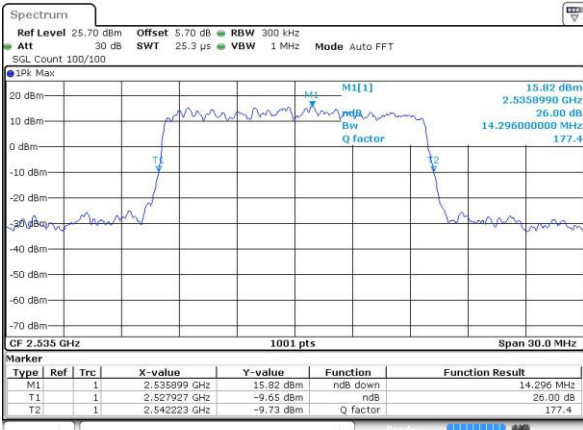
Date: 9 MAY 2017 16:15:26

Lowest Channel / 15MHz / 16QAM



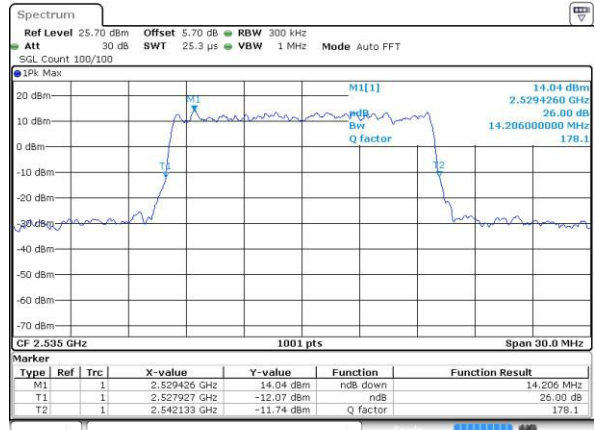
Date: 9 MAY 2017 16:15:52

Middle Channel / 15MHz / QPSK



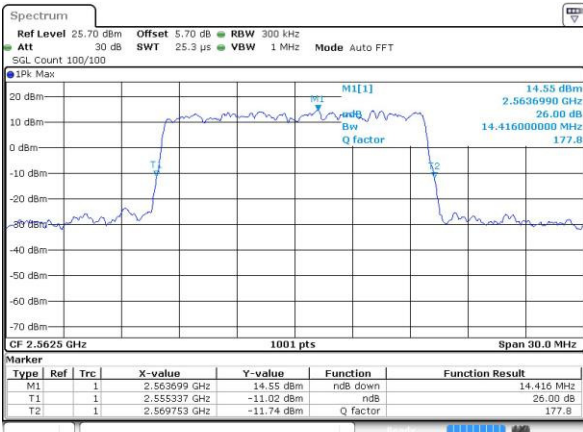
Date: 9 MAY 2017 16:16:59

Middle Channel / 15MHz / 16QAM



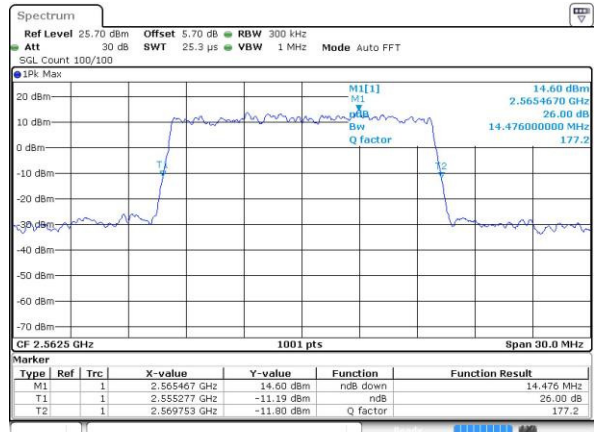
Date: 9 MAY 2017 16:16:30

Highest Channel / 15MHz / QPSK



Date: 9 MAY 2017 16:17:35

Highest Channel / 15MHz / 16QAM

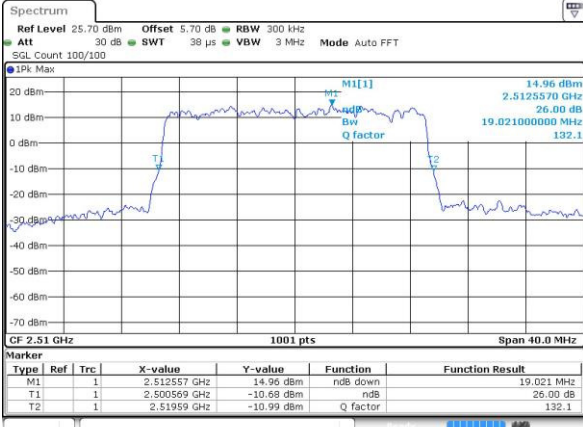


Date: 9 MAY 2017 16:18:01



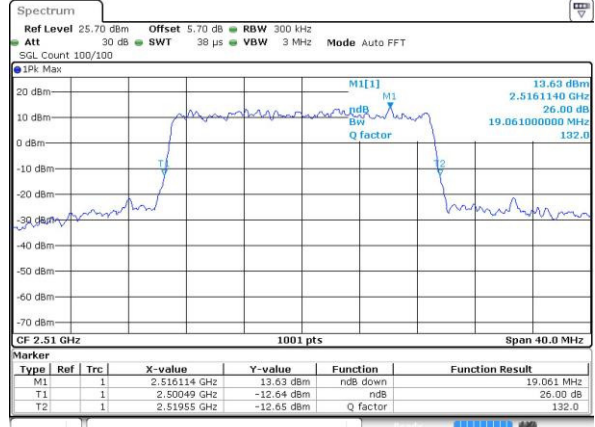
LTE Band 7

Lowest Channel / 20MHz / QPSK



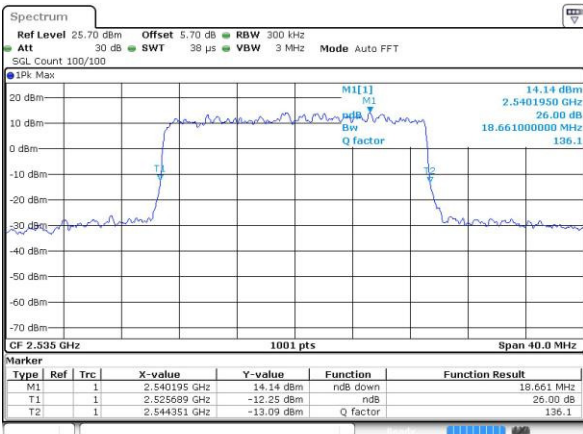
Date: 9 MAY 2017 16:28:19

Lowest Channel / 20MHz / 16QAM



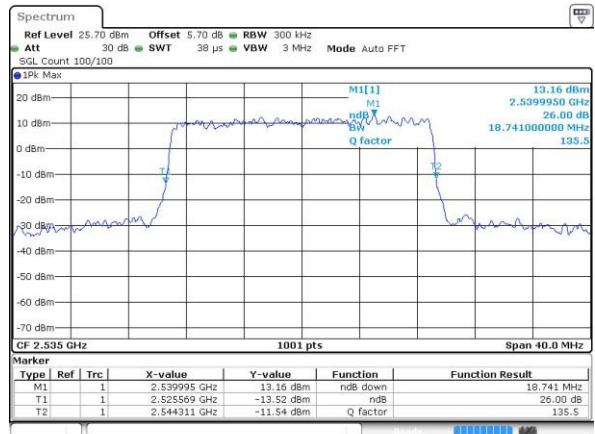
Date: 9 MAY 2017 16:28:48

Middle Channel / 20MHz / QPSK



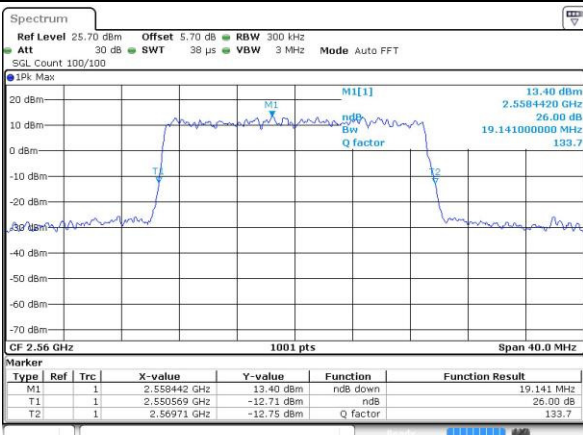
Date: 9 MAY 2017 16:32:03

Middle Channel / 20MHz / 16QAM



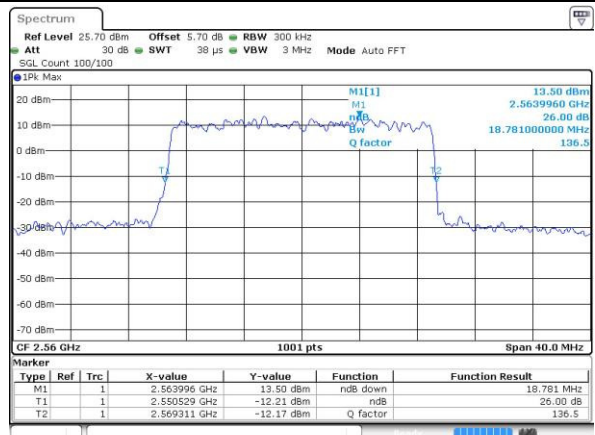
Date: 9 MAY 2017 16:30:54

Highest Channel / 20MHz / QPSK



Date: 9 MAY 2017 16:33:19

Highest Channel / 20MHz / 16QAM

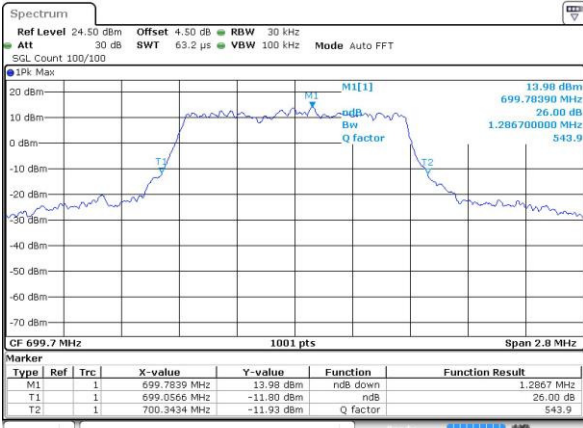


Date: 9 MAY 2017 16:34:26



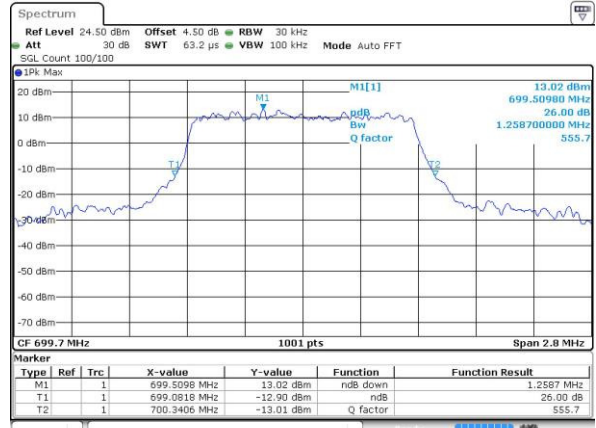
LTE Band 12

Lowest Channel / 1.4MHz / QPSK



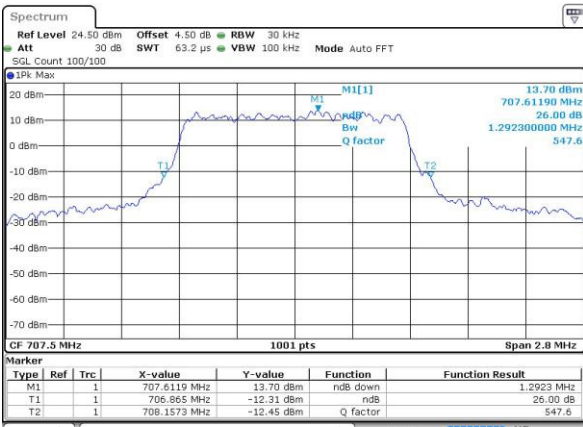
Date: 30 APR 2017 21:59:07

Lowest Channel / 1.4MHz / 16QAM



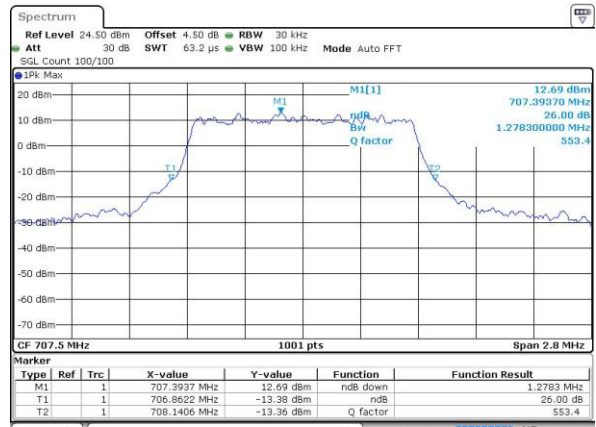
Date: 30 APR 2017 21:58:56

Middle Channel / 1.4MHz / QPSK



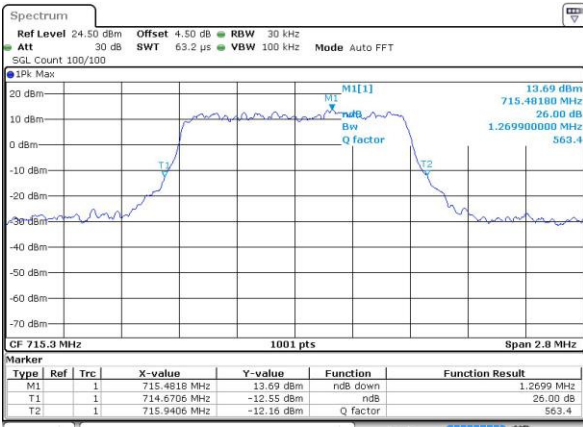
Date: 30 APR 2017 21:58:34

Middle Channel / 1.4MHz / 16QAM



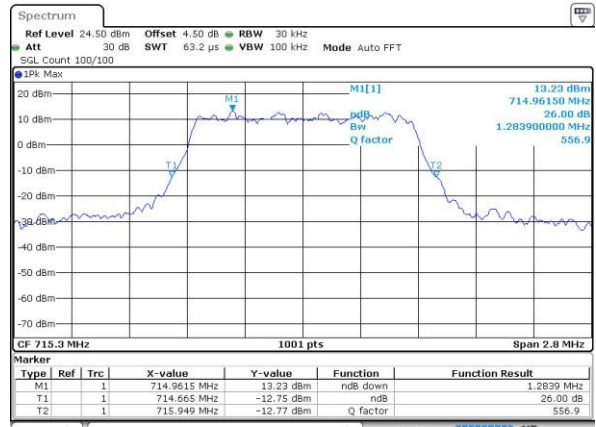
Date: 30 APR 2017 21:58:45

Highest Channel / 1.4MHz / QPSK



Date: 30 APR 2017 21:58:23

Highest Channel / 1.4MHz / 16QAM

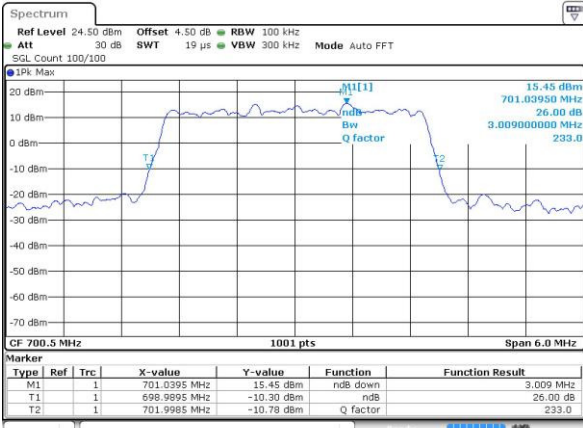


Date: 30 APR 2017 21:58:12



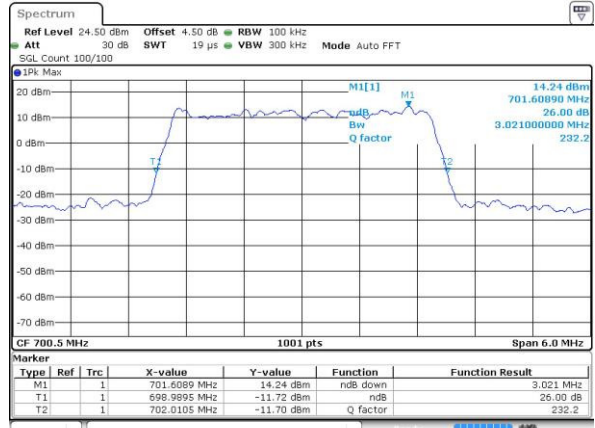
LTE Band 12

Lowest Channel / 3MHz / QPSK



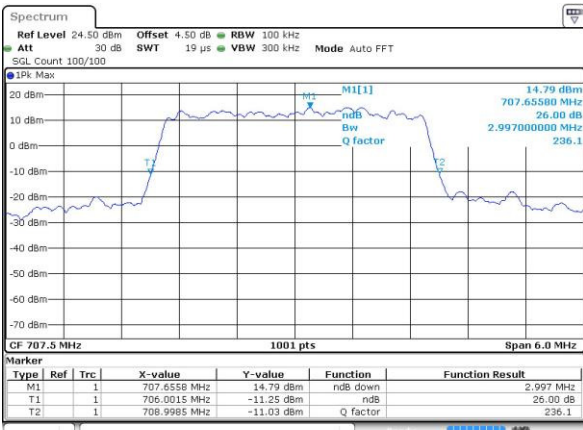
Date: 30 APR 2017 22:16:06

Lowest Channel / 3MHz / 16QAM



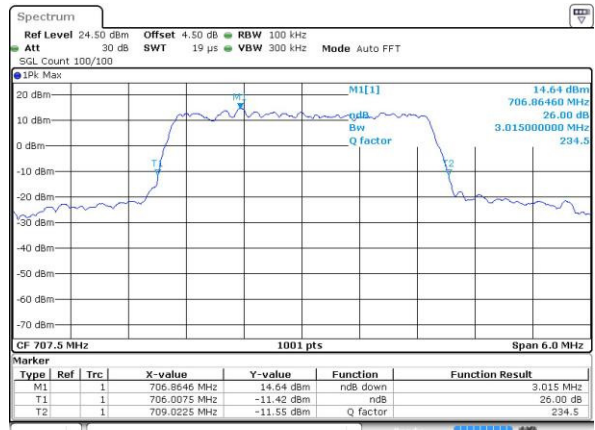
Date: 30 APR 2017 22:15:55

Middle Channel / 3MHz / QPSK



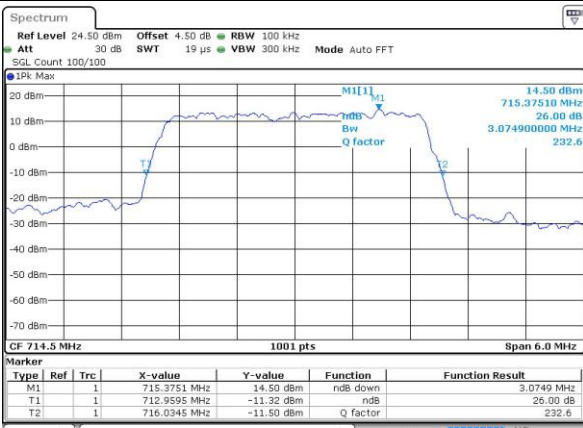
Date: 30 APR 2017 22:15:33

Middle Channel / 3MHz / 16QAM



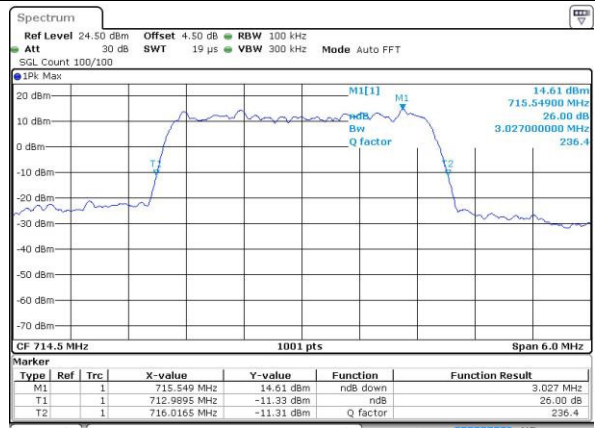
Date: 30 APR 2017 22:15:44

Highest Channel / 3MHz / QPSK



Date: 30 APR 2017 22:15:22

Highest Channel / 3MHz / 16QAM

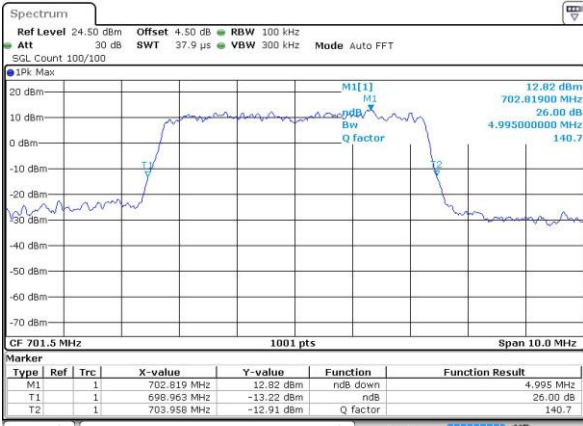


Date: 30 APR 2017 22:15:11



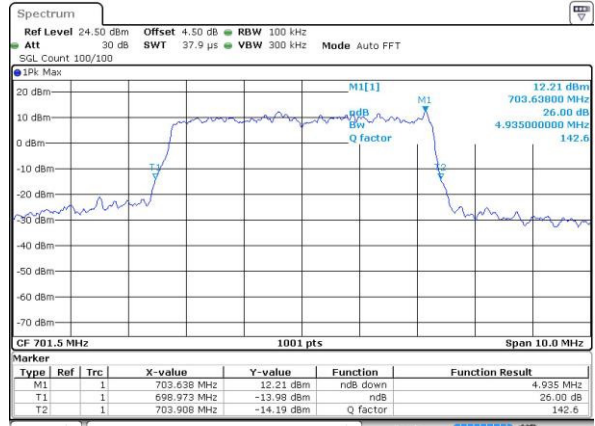
LTE Band 12

Lowest Channel / 5MHz / QPSK



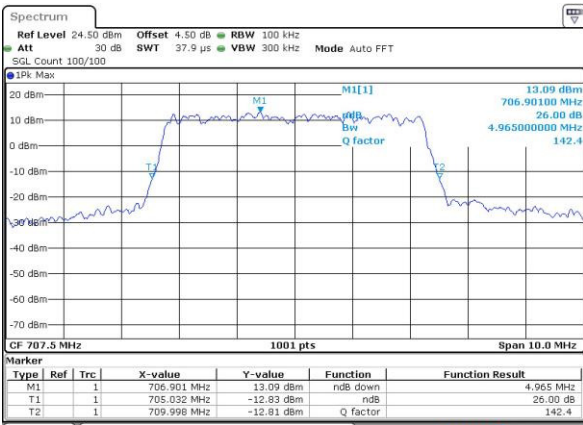
Date: 30 APR 2017 22:33:05

Lowest Channel / 5MHz / 16QAM



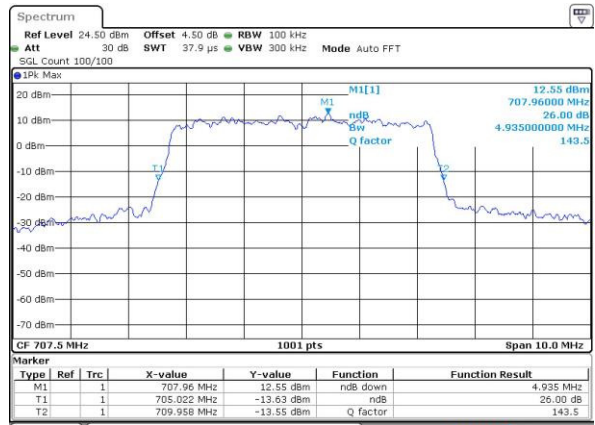
Date: 30 APR 2017 22:32:54

Middle Channel / 5MHz / QPSK



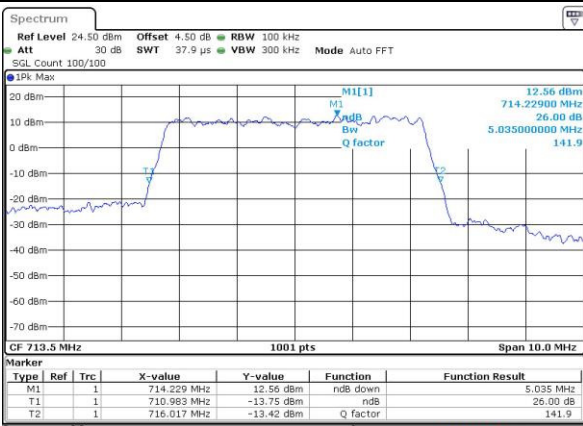
Date: 30 APR 2017 22:32:32

Middle Channel / 5MHz / 16QAM



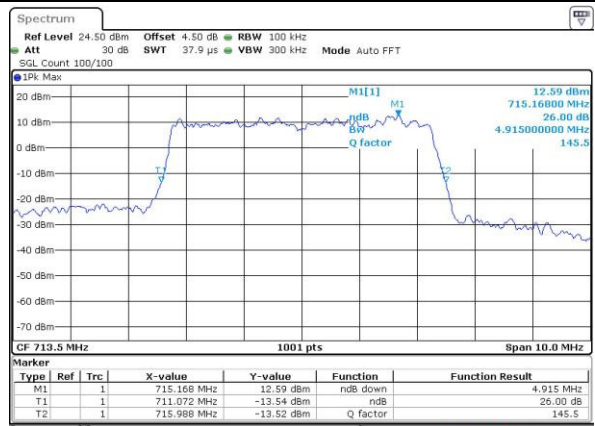
Date: 30 APR 2017 22:32:43

Highest Channel / 5MHz / QPSK



Date: 30 APR 2017 22:32:21

Highest Channel / 5MHz / 16QAM

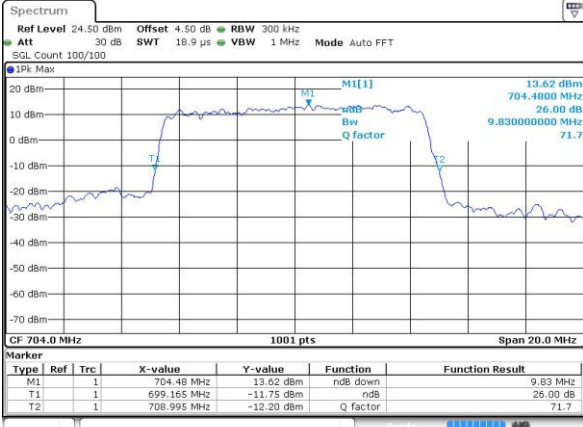


Date: 30 APR 2017 22:32:10



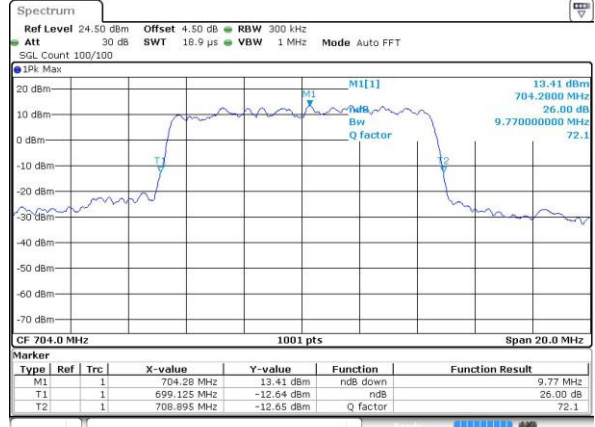
LTE Band 12

Lowest Channel / 10MHz / QPSK



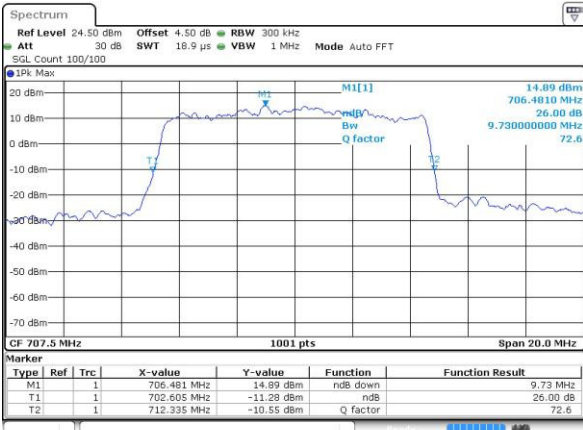
Date: 30 APR 2017 22:50:03

Lowest Channel / 10MHz / 16QAM



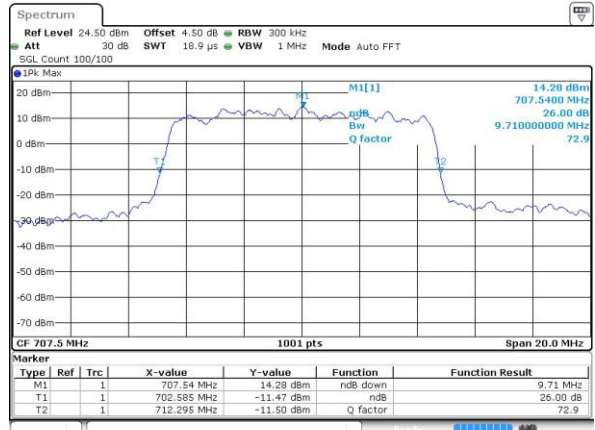
Date: 30 APR 2017 22:49:52

Middle Channel / 10MHz / QPSK



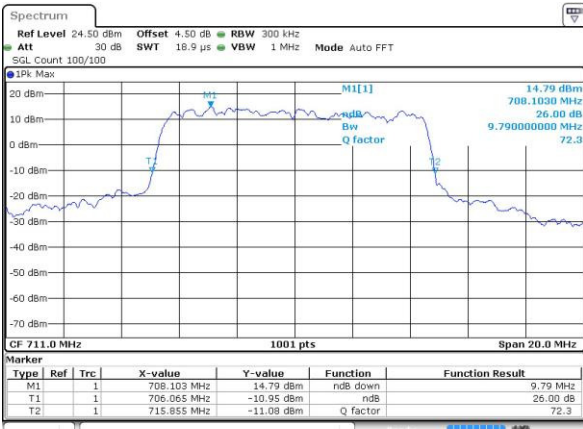
Date: 30 APR 2017 22:49:31

Middle Channel / 10MHz / 16QAM



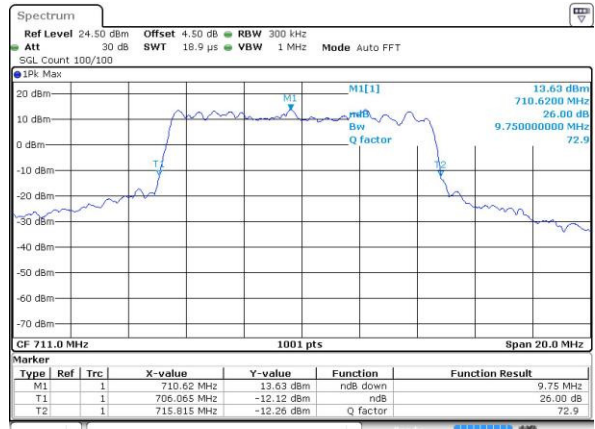
Date: 30 APR 2017 22:49:41

Highest Channel / 10MHz / QPSK



Date: 30 APR 2017 22:49:20

Highest Channel / 10MHz / 16QAM



Date: 30 APR 2017 22:49:09





## Occupied Bandwidth

Mode	LTE Band 2 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.10	2.72	2.73	4.49	4.49	9.05	9.01	13.46	13.40	18.42	18.34
Middle CH	1.10	1.09	2.73	2.72	4.49	4.48	9.01	9.07	13.43	13.46	18.42	18.50
Highest CH	1.10	1.09	2.72	2.71	4.49	4.50	9.03	9.03	13.37	13.46	18.34	18.34

Mode	LTE Band 4 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.10	1.10	2.72	2.72	4.49	4.49	9.01	8.99	13.43	13.43	17.90	17.94
Middle CH	1.10	1.10	2.73	2.73	4.47	4.50	9.01	8.99	13.31	13.34	17.74	17.70
Highest CH	1.09	1.10	2.71	2.73	4.48	4.47	9.07	8.99	13.43	13.43	17.90	17.94

Mode	LTE Band 5 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.10	2.70	2.73	4.49	4.49	8.99	8.99	-	-	-	-
Middle CH	1.10	1.09	2.72	2.72	4.48	4.49	9.07	9.01	-	-	-	-
Highest CH	1.09	1.09	2.73	2.70	4.48	4.48	8.99	8.99	-	-	-	-

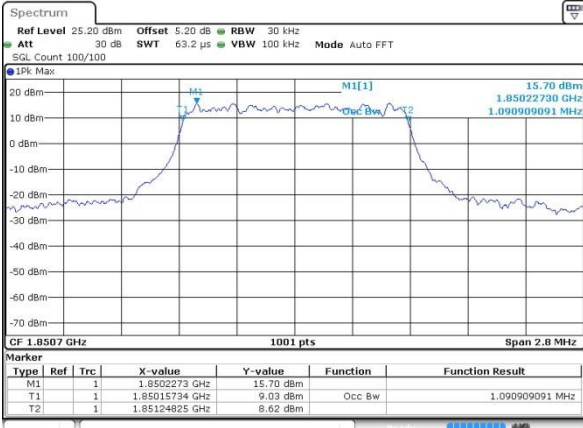
Mode	LTE Band 7 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.48	4.50	8.97	9.03	13.40	13.40	17.90	17.90
Middle CH	-	-	-	-	4.50	4.50	8.99	9.01	13.43	13.37	17.86	17.86
Highest CH	-	-	-	-	4.48	4.48	8.97	9.01	13.43	13.40	17.82	17.86

Mode	LTE Band 12 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.10	2.71	2.72	4.49	4.52	9.03	9.01	-	-	-	-
Middle CH	1.09	1.09	2.70	2.70	4.51	4.48	8.99	8.95	-	-	-	-
Highest CH	1.09	1.09	2.73	2.74	4.49	4.51	9.07	9.03	-	-	-	-



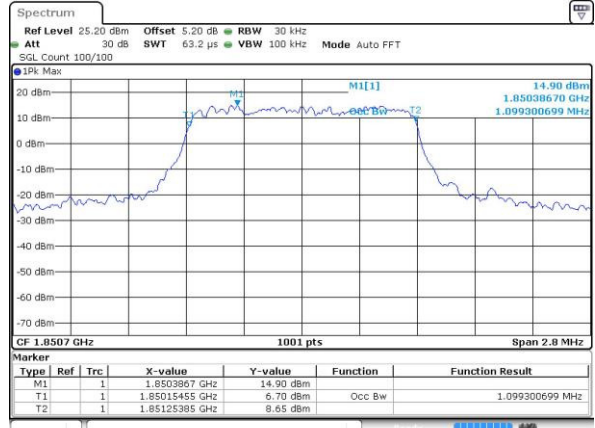
LTE Band 2

Lowest Channel / 1.4MHz / QPSK



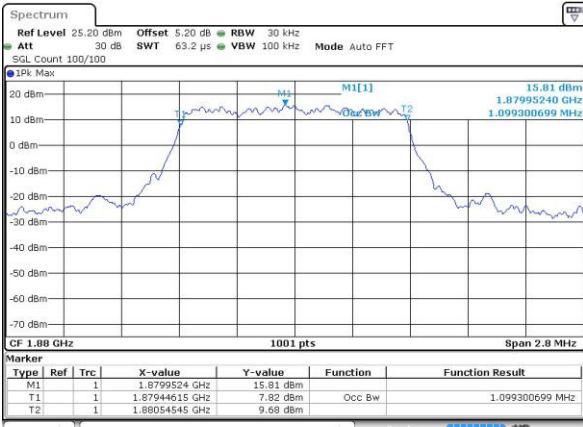
Date: 9 MAY 2017 23:27:20

Lowest Channel / 1.4MHz / 16QAM



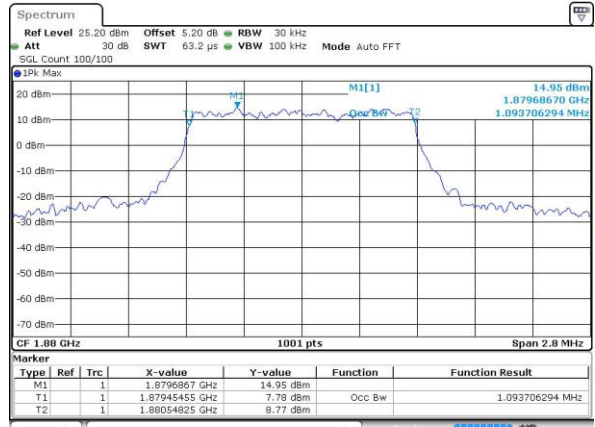
Date: 9 MAY 2017 23:27:31

Middle Channel / 1.4MHz / QPSK



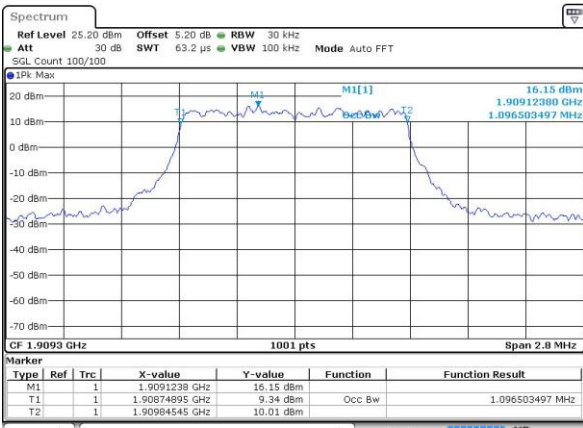
Date: 9 MAY 2017 23:34:34

Middle Channel / 1.4MHz / 16QAM



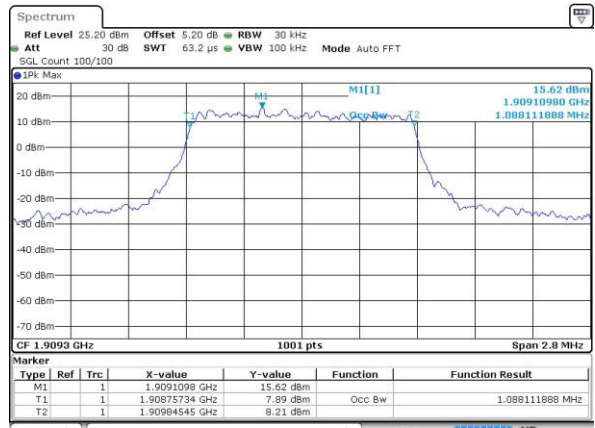
Date: 9 MAY 2017 23:34:45

Highest Channel / 1.4MHz / QPSK



Date: 9 MAY 2017 23:37:09

Highest Channel / 1.4MHz / 16QAM

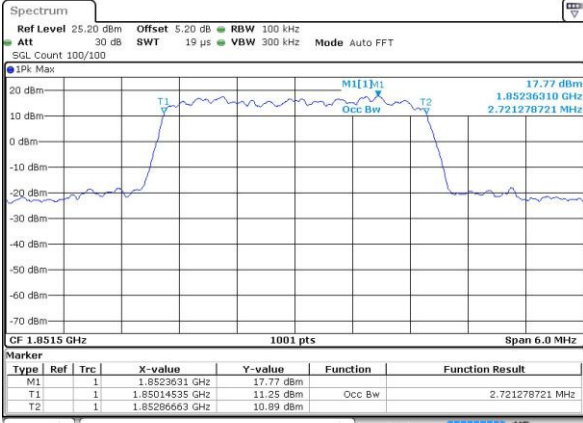


Date: 9 MAY 2017 23:37:20



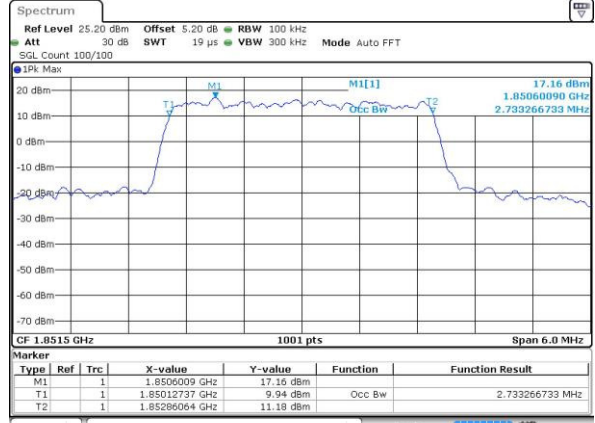
LTE Band 2

Lowest Channel / 3MHz / QPSK



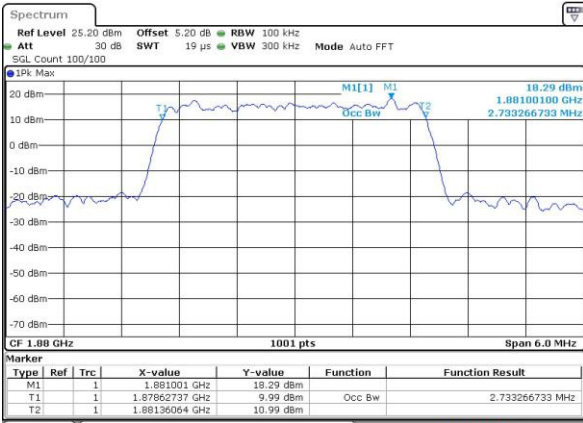
Date: 9 MAY 2017 23:44:24

Lowest Channel / 3MHz / 16QAM



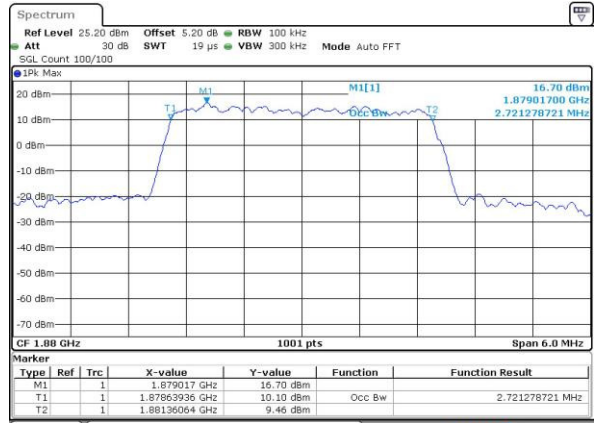
Date: 9 MAY 2017 23:44:35

Middle Channel / 3MHz / QPSK



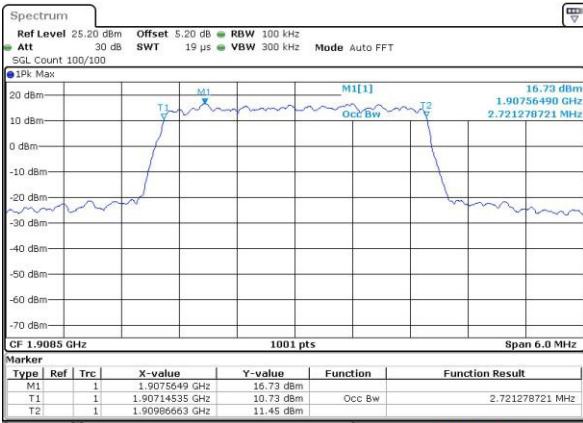
Date: 9 MAY 2017 23:51:38

Middle Channel / 3MHz / 16QAM



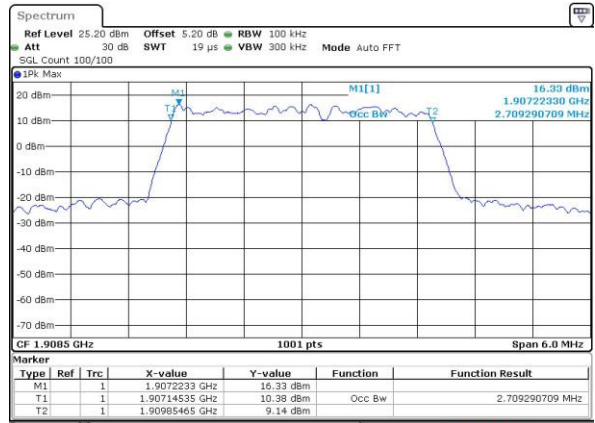
Date: 9 MAY 2017 23:51:49

Highest Channel / 3MHz / QPSK



Date: 9 MAY 2017 23:54:13

Highest Channel / 3MHz / 16QAM

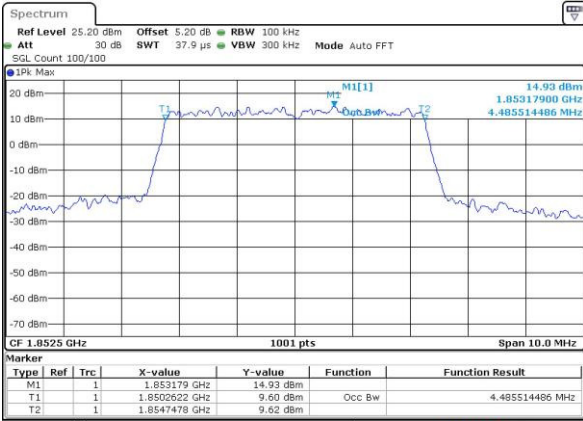


Date: 9 MAY 2017 23:54:24



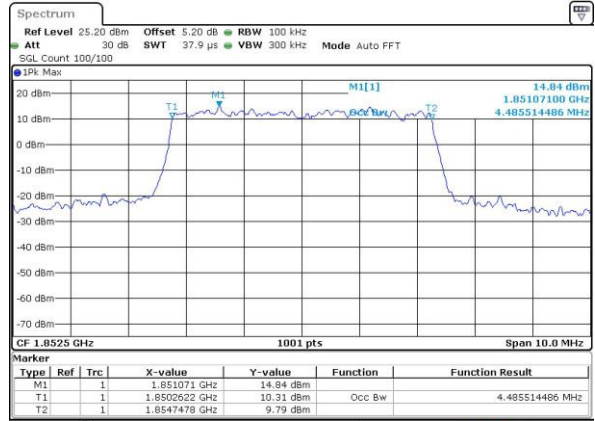
LTE Band 2

Lowest Channel / 5MHz / QPSK



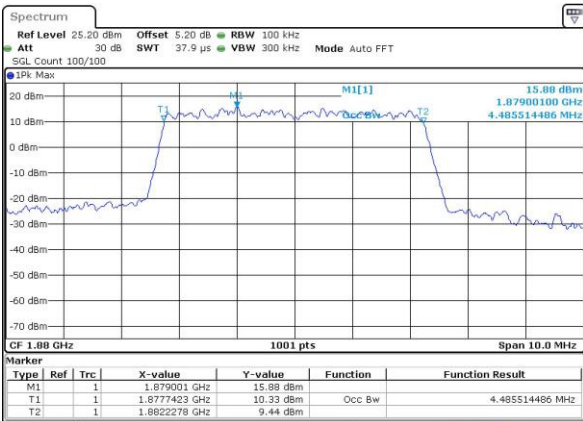
Date: 10 MAY 2017 00:01:27

Lowest Channel / 5MHz / 16QAM



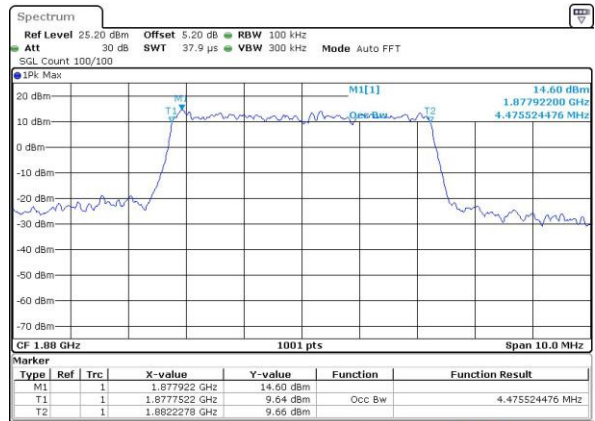
Date: 10 MAY 2017 00:01:38

Middle Channel / 5MHz / QPSK



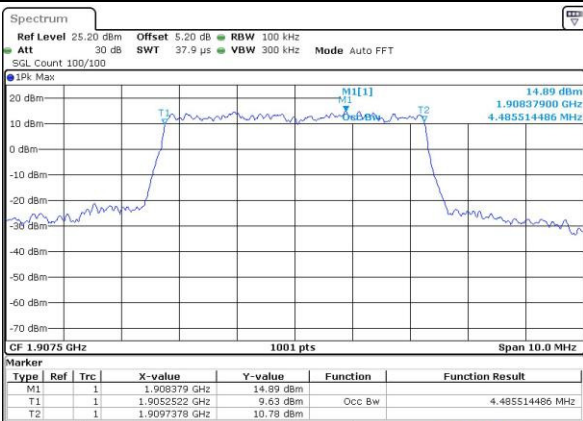
Date: 10 MAY 2017 00:08:42

Middle Channel / 5MHz / 16QAM



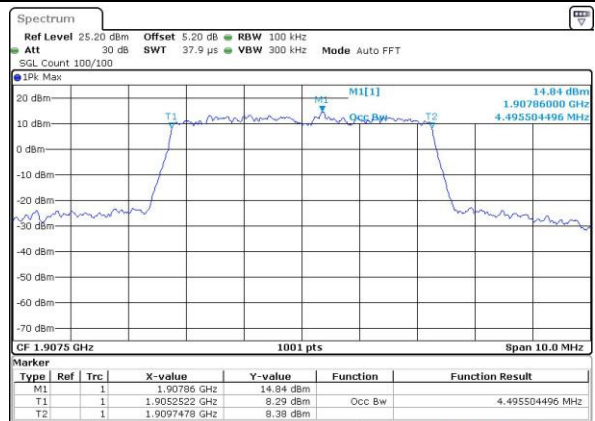
Date: 10 MAY 2017 00:08:53

Highest Channel / 5MHz / QPSK



Date: 10 MAY 2017 00:11:17

Highest Channel / 5MHz / 16QAM

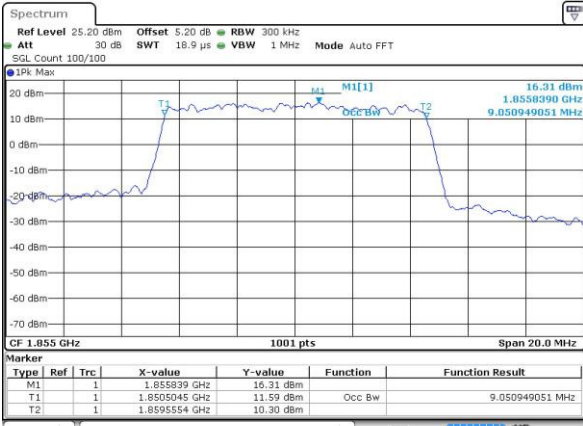


Date: 10 MAY 2017 00:11:28



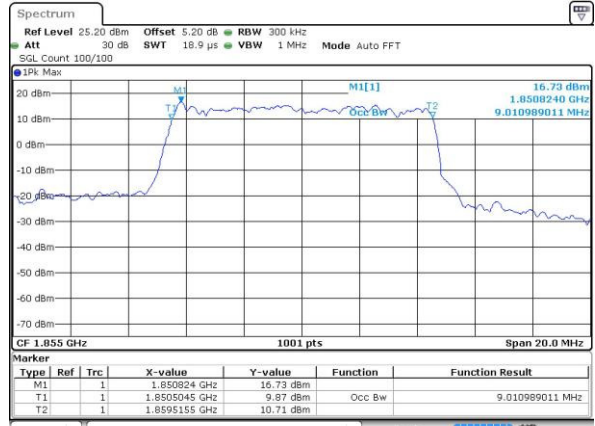
LTE Band 2

Lowest Channel / 10MHz / QPSK



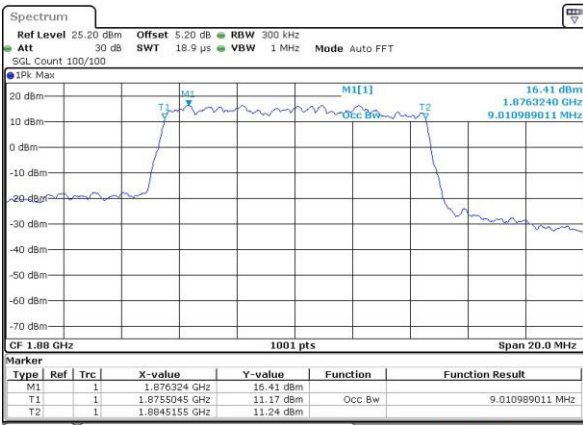
Date: 10 MAY 2017 00:18:31

Lowest Channel / 10MHz / 16QAM



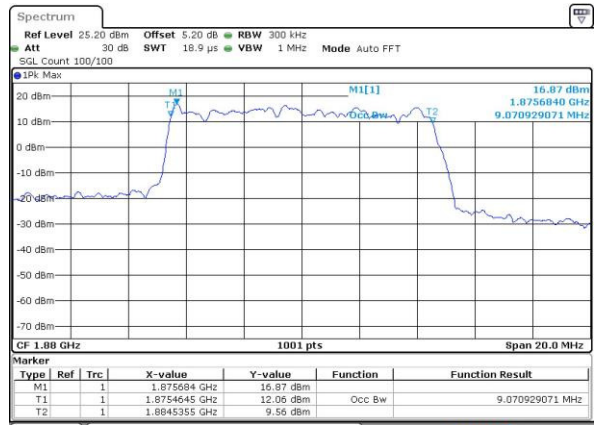
Date: 10 MAY 2017 00:18:42

Middle Channel / 10MHz / QPSK



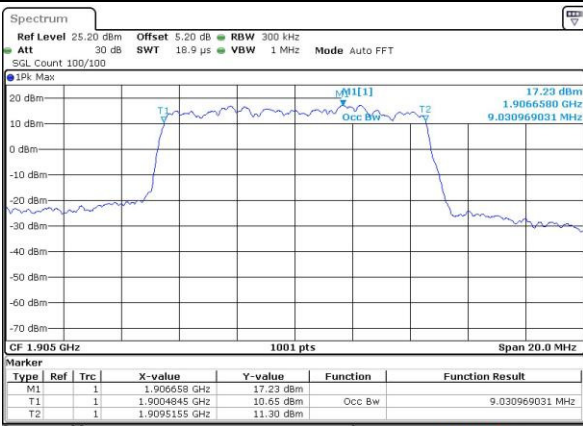
Date: 10 MAY 2017 00:25:45

Middle Channel / 10MHz / 16QAM



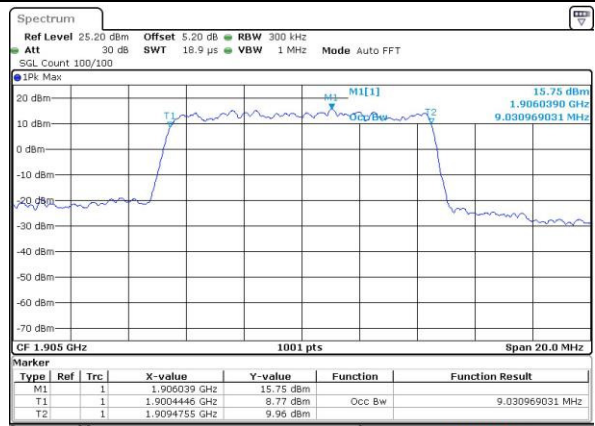
Date: 10 MAY 2017 00:25:57

Highest Channel / 10MHz / QPSK



Date: 10 MAY 2017 00:28:21

Highest Channel / 10MHz / 16QAM

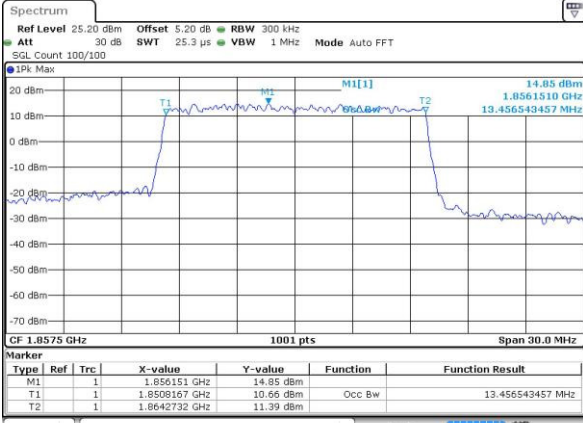


Date: 10 MAY 2017 00:28:32



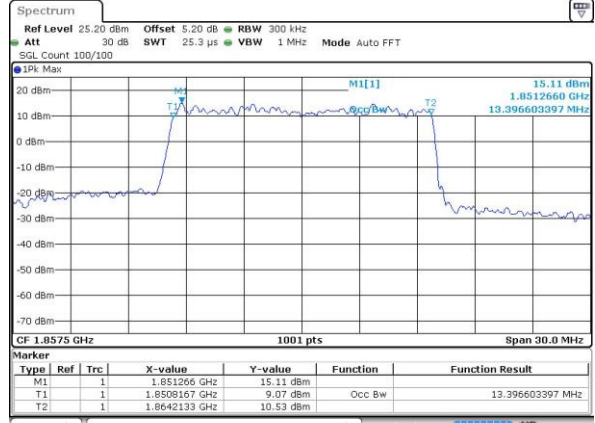
LTE Band 2

Lowest Channel / 15MHz / QPSK



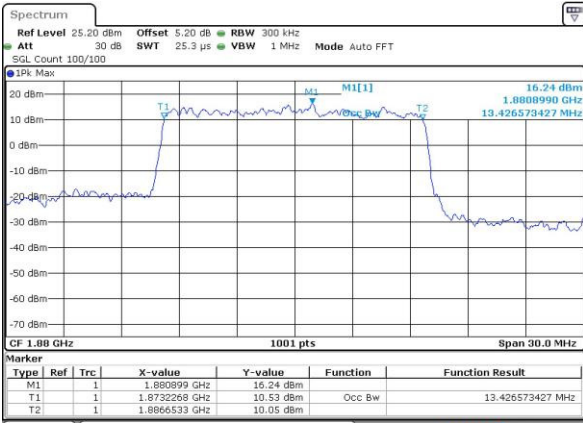
Date: 10 MAY 2017 00:35:35

Lowest Channel / 15MHz / 16QAM



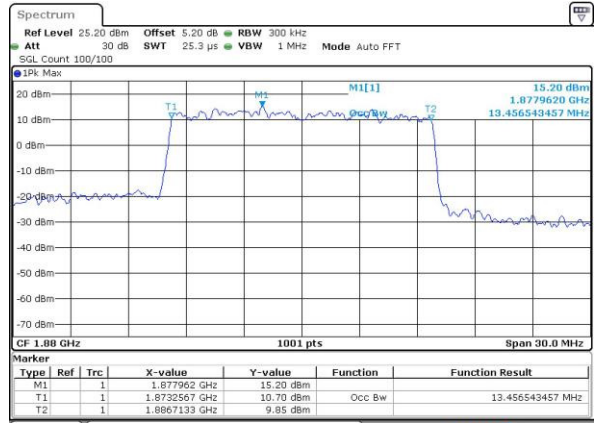
Date: 10 MAY 2017 00:35:46

Middle Channel / 15MHz / QPSK



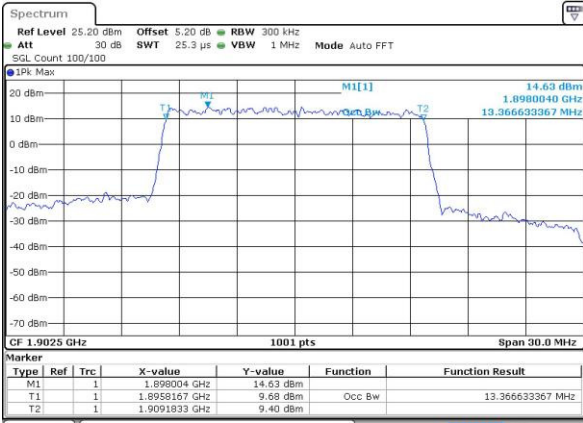
Date: 10 MAY 2017 00:42:49

Middle Channel / 15MHz / 16QAM



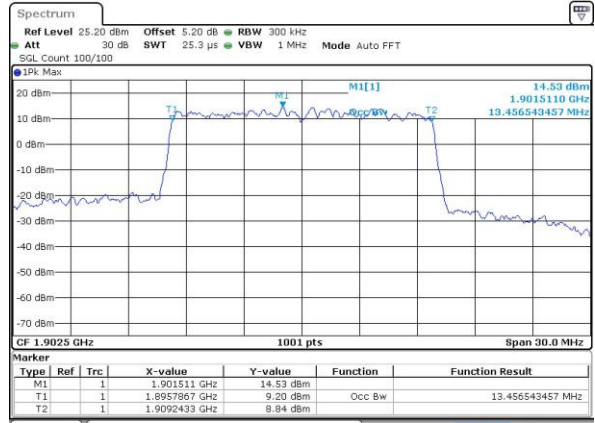
Date: 10 MAY 2017 00:43:00

Highest Channel / 15MHz / QPSK



Date: 10 MAY 2017 00:45:24

Highest Channel / 15MHz / 16QAM

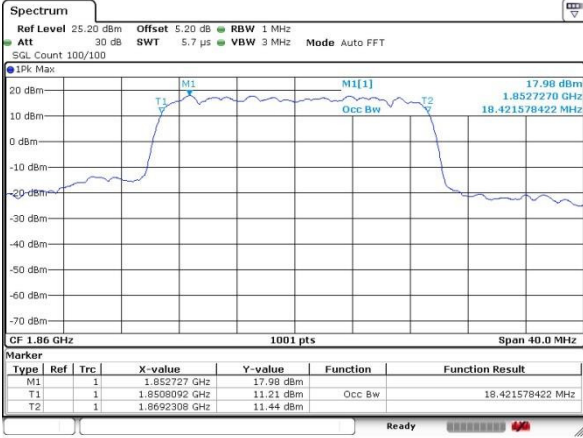


Date: 10 MAY 2017 00:45:35



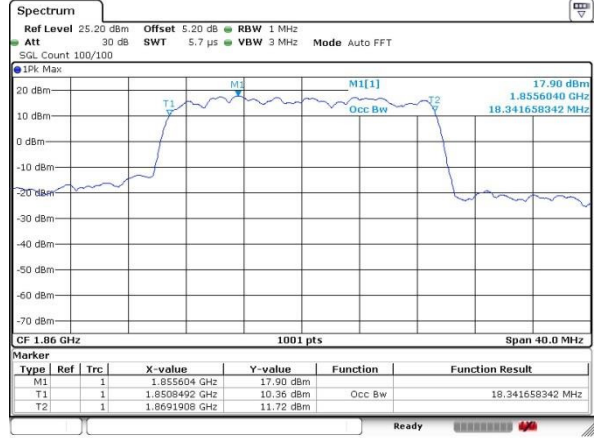
LTE Band 2

Lowest Channel / 20MHz / QPSK



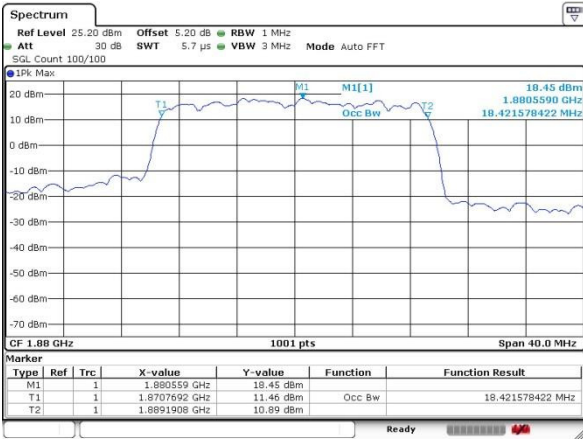
Date: 10 MAY 2017 03:20:01

Lowest Channel / 20MHz / 16QAM



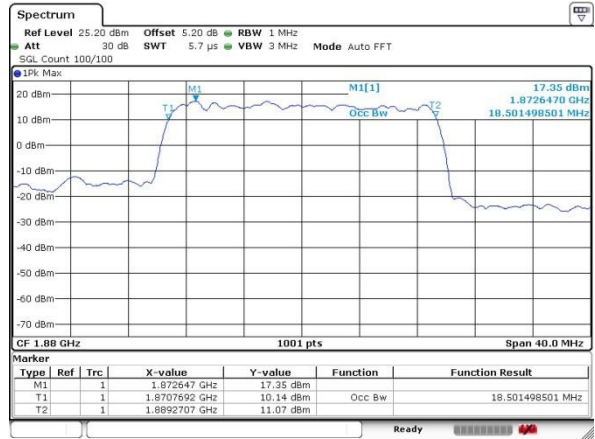
Date: 10 MAY 2017 03:19:24

Middle Channel / 20MHz / QPSK



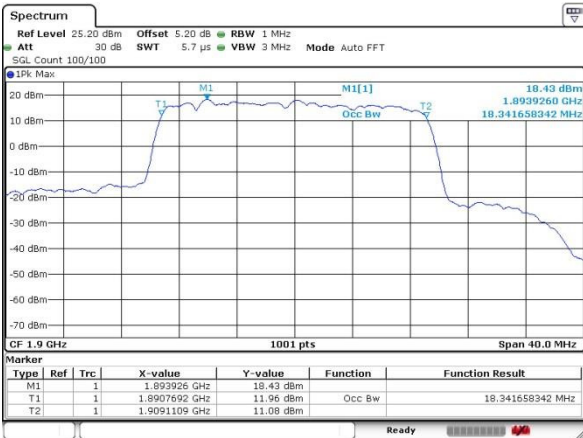
Date: 10 MAY 2017 03:18:19

Middle Channel / 20MHz / 16QAM



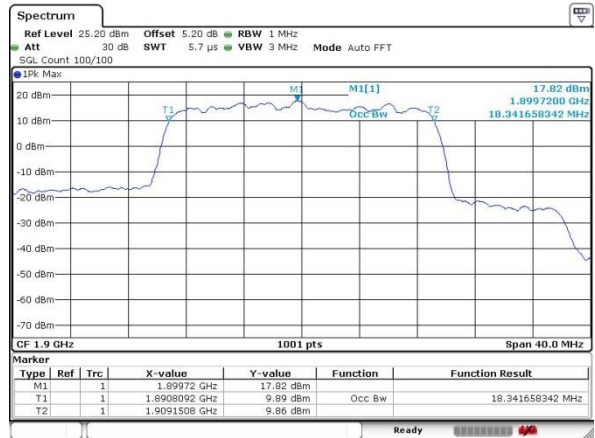
Date: 10 MAY 2017 03:18:49

Highest Channel / 20MHz / QPSK



Date: 10 MAY 2017 03:17:52

Highest Channel / 20MHz / 16QAM

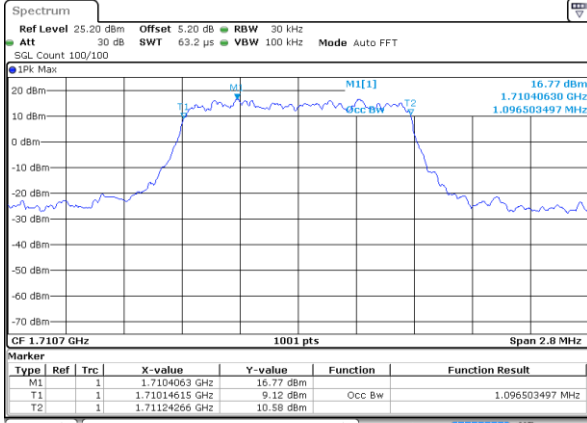


Date: 10 MAY 2017 03:17:30



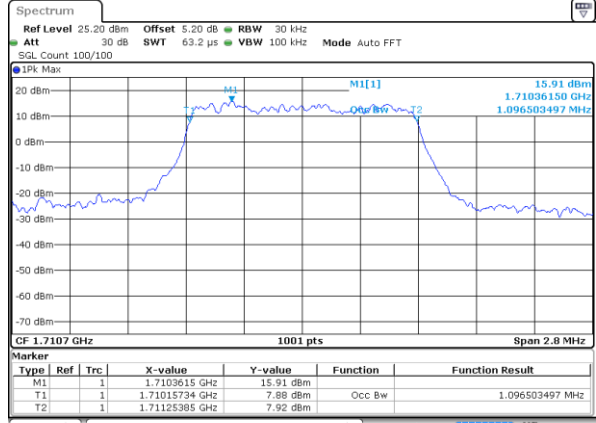
LTE Band 4

Lowest Channel / 1.4MHz / QPSK



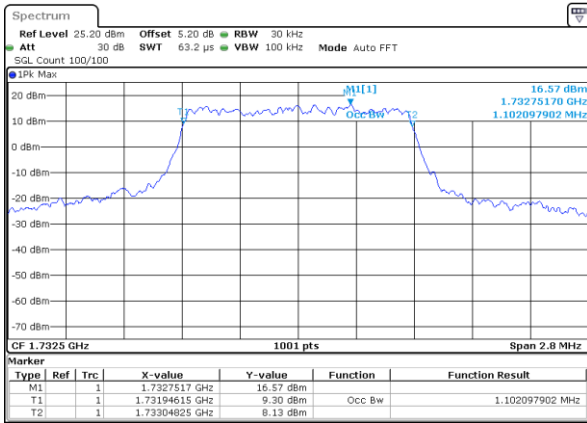
Date: 11.MAY.2017 17:14:07

Lowest Channel / 1.4MHz / 16QAM



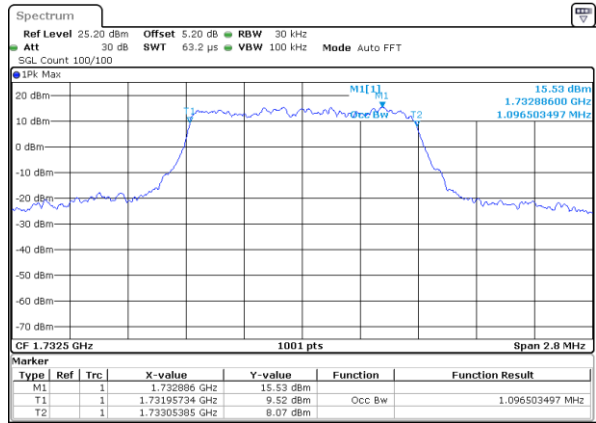
Date: 11.MAY.2017 17:13:41

Middle Channel / 1.4MHz / QPSK



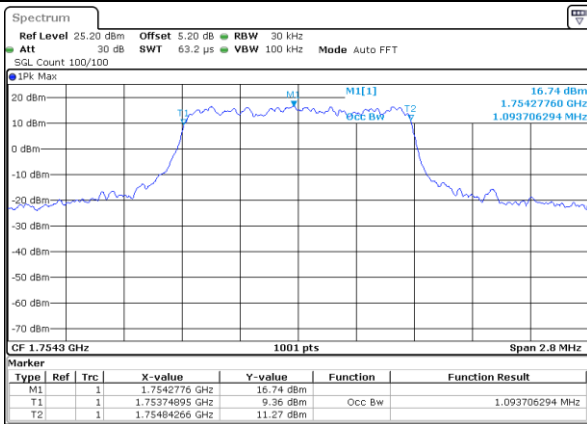
Date: 11.MAY.2017 17:14:36

Middle Channel / 1.4MHz / 16QAM



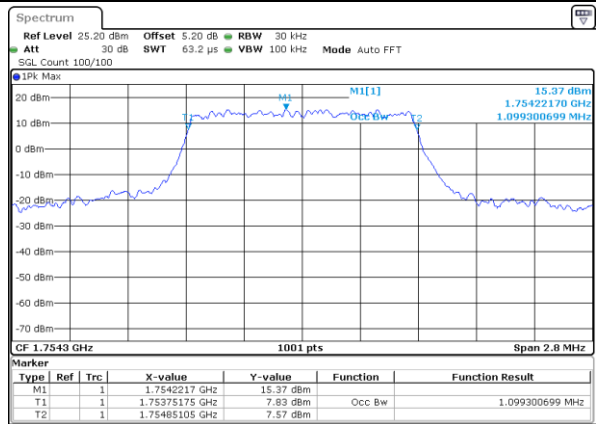
Date: 11.MAY.2017 17:16:01

Highest Channel / 1.4MHz / QPSK



Date: 11.MAY.2017 17:15:01

Highest Channel / 1.4MHz / 16QAM



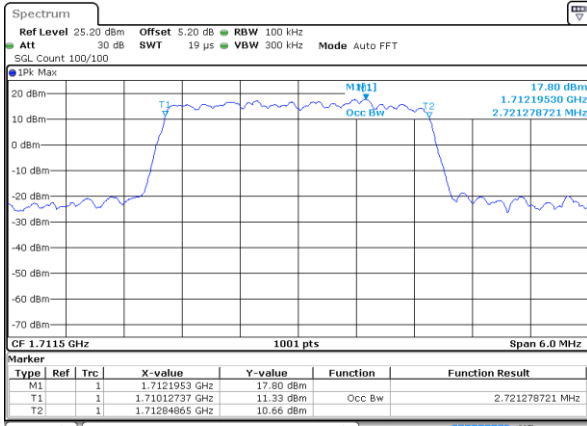
Date: 11.MAY.2017 17:15:27





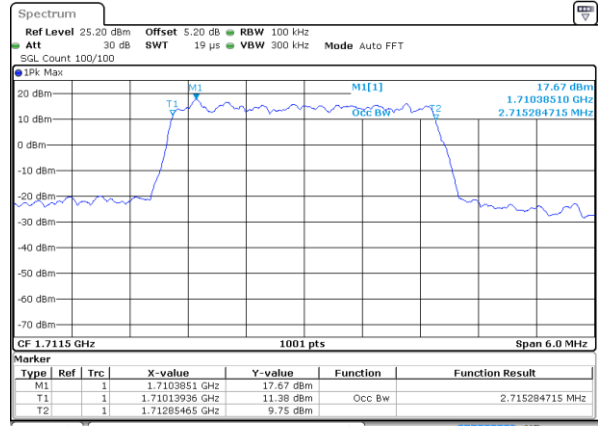
LTE Band 4

Lowest Channel / 3MHz / QPSK



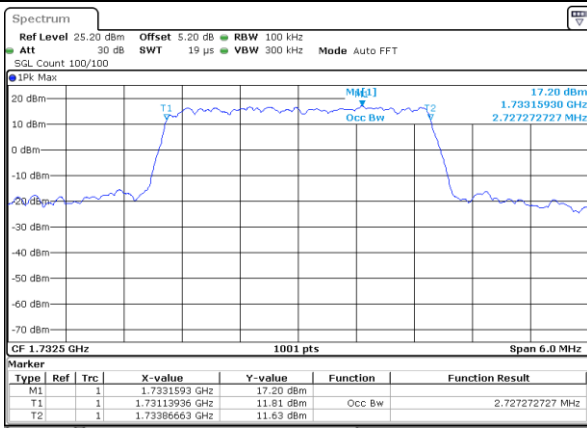
Date: 11.MAY.2017 17:17:25

Lowest Channel / 3MHz / 16QAM



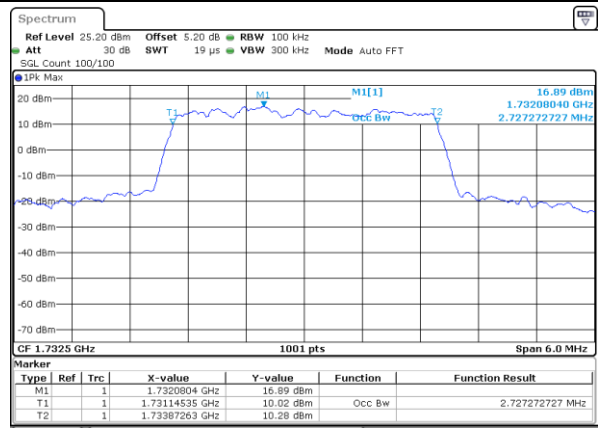
Date: 11.MAY.2017 17:16:22

Middle Channel / 3MHz / QPSK



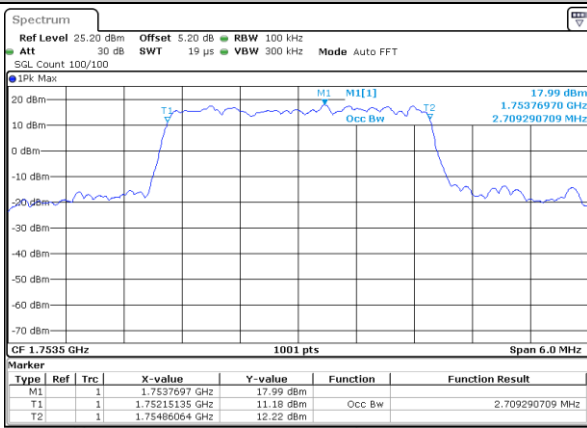
Date: 11.MAY.2017 17:17:48

Middle Channel / 3MHz / 16QAM



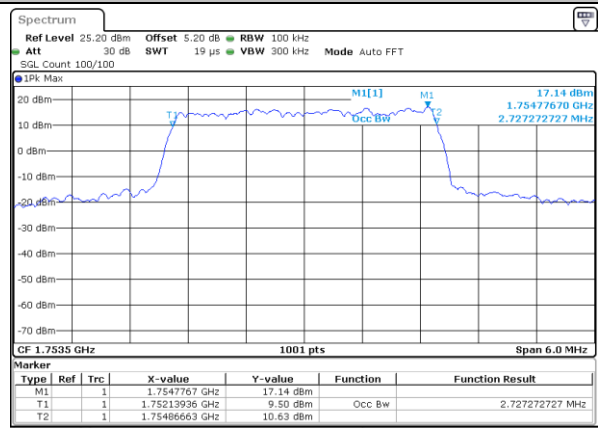
Date: 11.MAY.2017 17:18:10

Highest Channel / 3MHz / QPSK



Date: 11.MAY.2017 17:22:52

Highest Channel / 3MHz / 16QAM

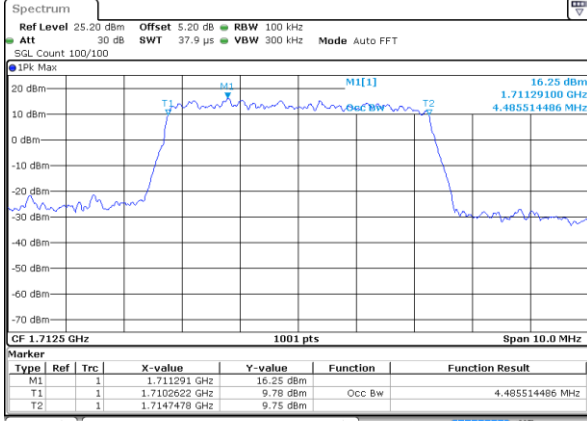


Date: 11.MAY.2017 17:22:25



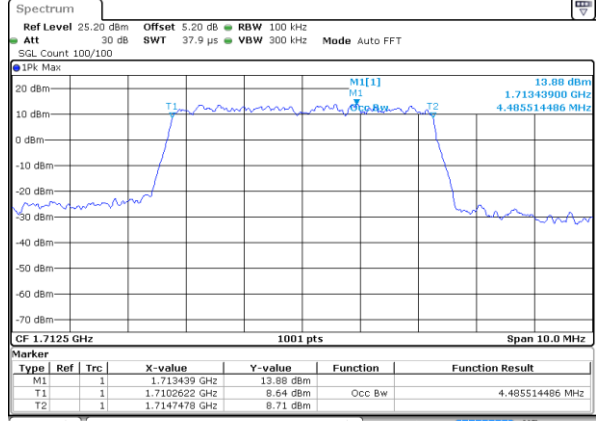
LTE Band 4

Lowest Channel / 5MHz / QPSK



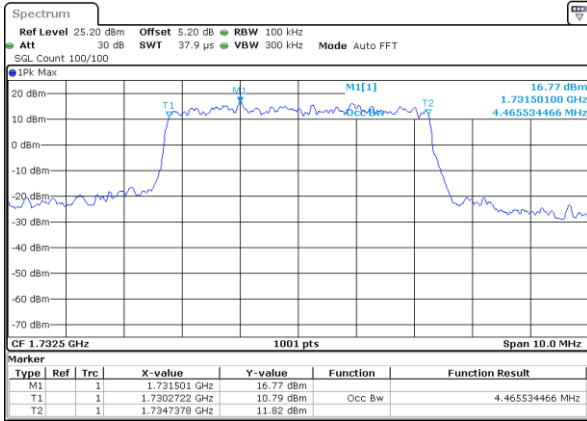
Date: 11.MAY.2017 17:23:41

Lowest Channel / 5MHz / 16QAM



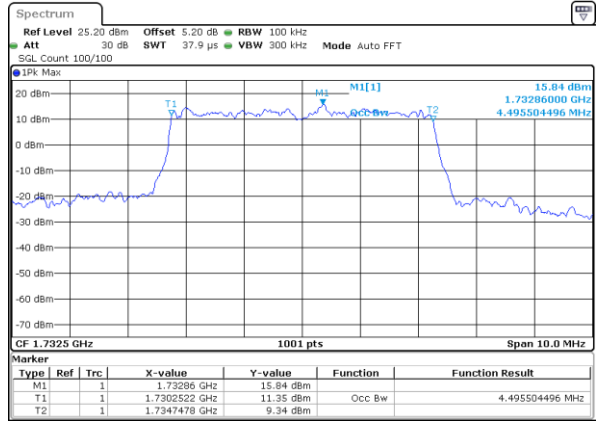
Date: 11.MAY.2017 17:24:02

Middle Channel / 5MHz / QPSK



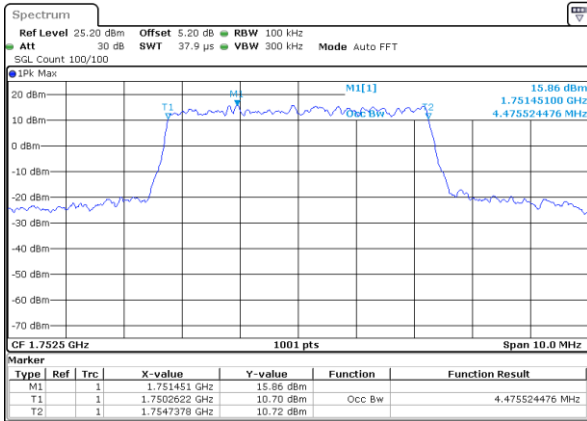
Date: 11.MAY.2017 17:25:07

Middle Channel / 5MHz / 16QAM



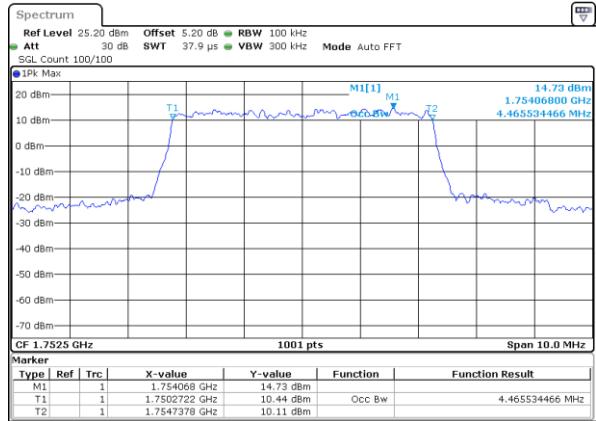
Date: 11.MAY.2017 17:24:41

Highest Channel / 5MHz / QPSK



Date: 11.MAY.2017 17:25:27

Highest Channel / 5MHz / 16QAM

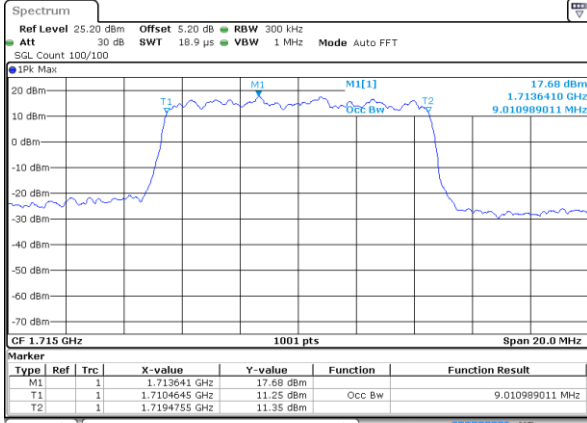


Date: 11.MAY.2017 17:25:50



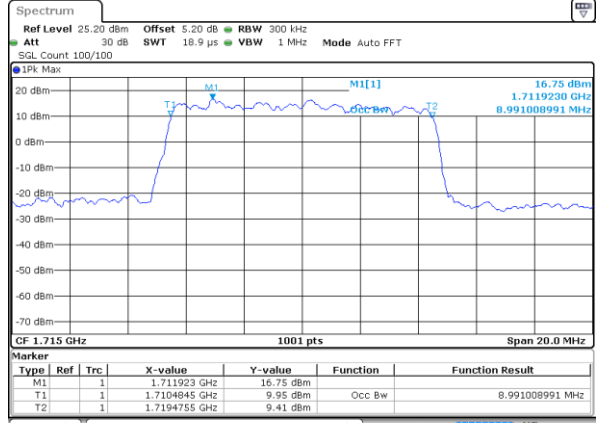
LTE Band 4

Lowest Channel / 10MHz / QPSK



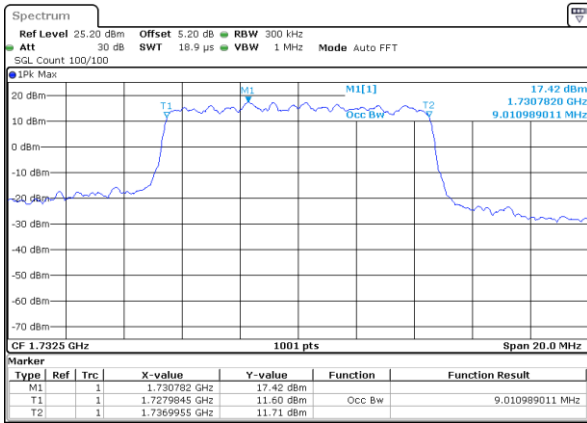
Date: 11.MAY.2017 17:27:53

Lowest Channel / 10MHz / 16QAM



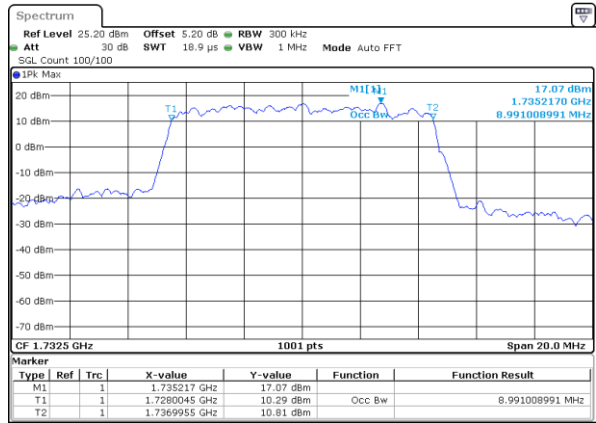
Date: 11.MAY.2017 17:28:03

Middle Channel / 10MHz / QPSK



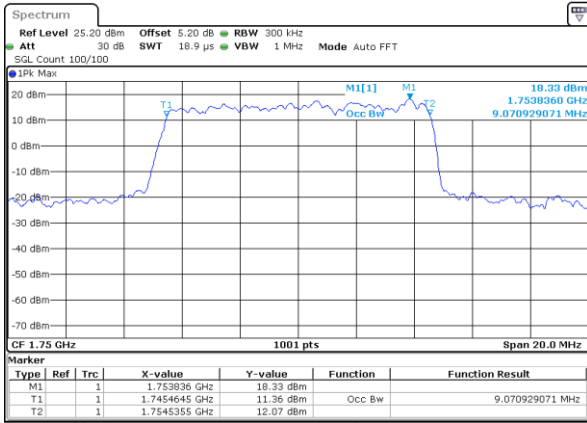
Date: 11.MAY.2017 17:28:33

Middle Channel / 10MHz / 16QAM



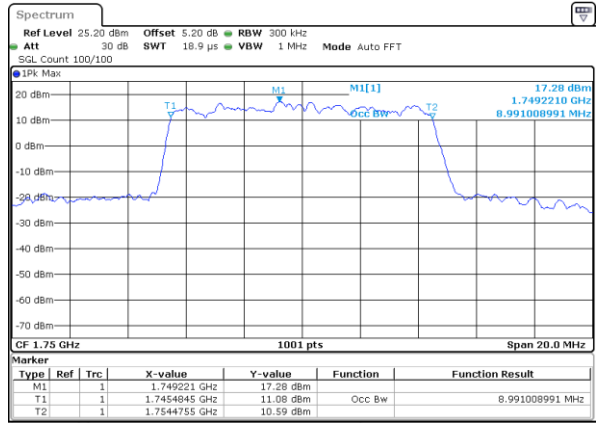
Date: 11.MAY.2017 17:28:43

Highest Channel / 10MHz / QPSK



Date: 11.MAY.2017 17:38:19

Highest Channel / 10MHz / 16QAM



Date: 11.MAY.2017 17:30:07