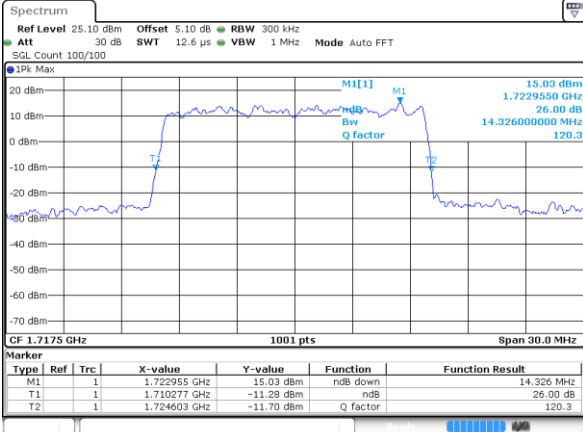




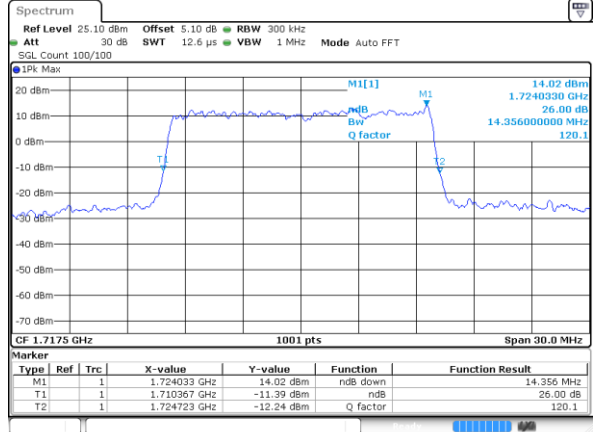
LTE Band 66

Lowest Channel / 15MHz / QPSK



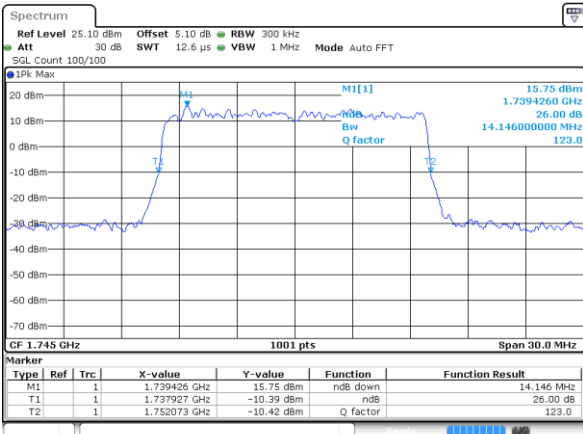
Date: 11 MAY 2018 19:55:28

Lowest Channel / 15MHz / 16QAM



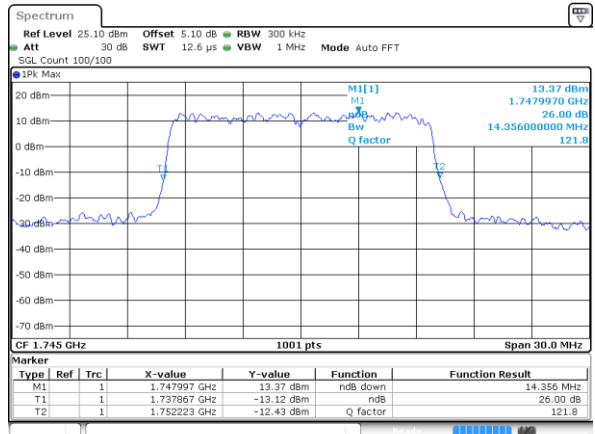
Date: 11 MAY 2018 19:55:46

Middle Channel / 15MHz / QPSK



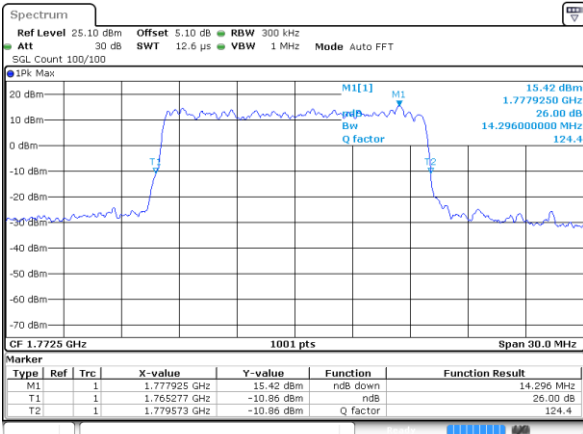
Date: 11 MAY 2018 20:00:56

Middle Channel / 15MHz / 16QAM



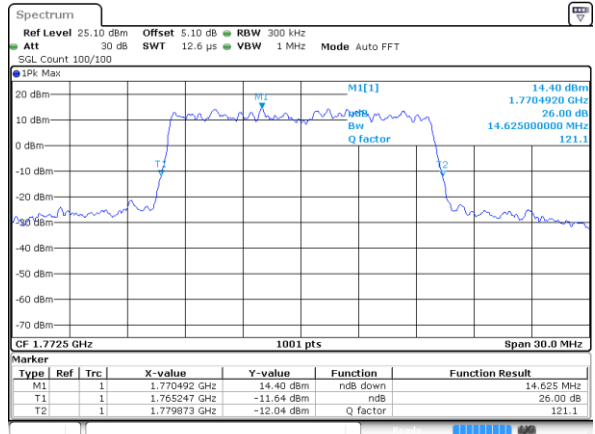
Date: 11 MAY 2018 20:00:27

Highest Channel / 15MHz / QPSK



Date: 11 MAY 2018 20:01:50

Highest Channel / 15MHz / 16QAM

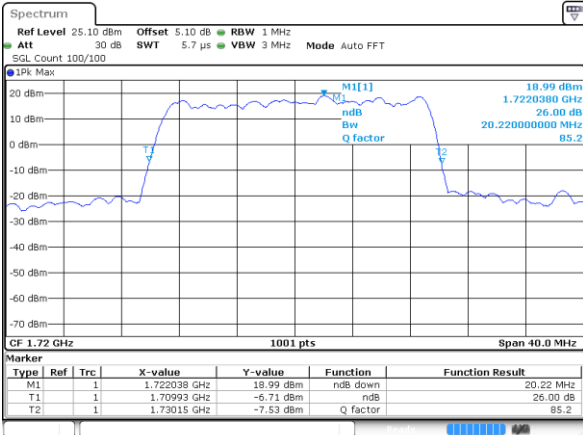


Date: 11 MAY 2018 20:02:16



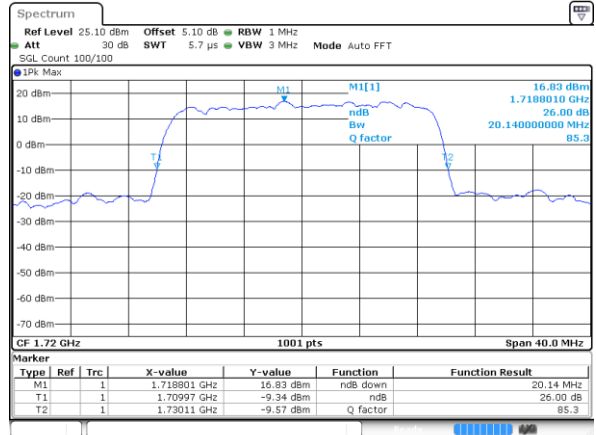
LTE Band 66

Lowest Channel / 20MHz / QPSK



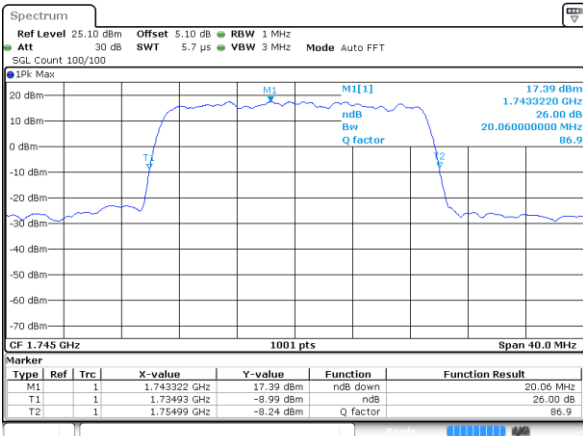
Date: 11 MAY 2018 20:07:02

Lowest Channel / 20MHz / 16QAM



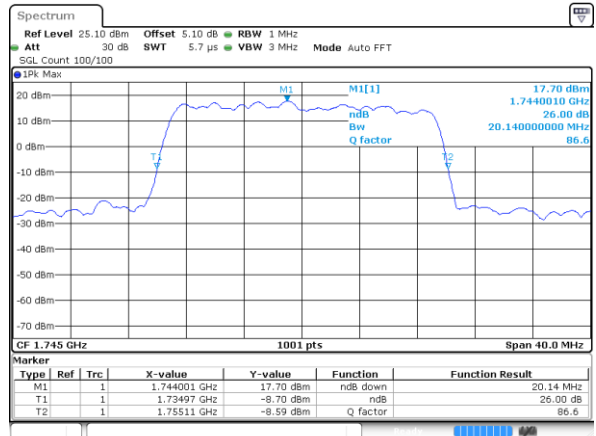
Date: 11 MAY 2018 20:07:22

Middle Channel / 20MHz / QPSK



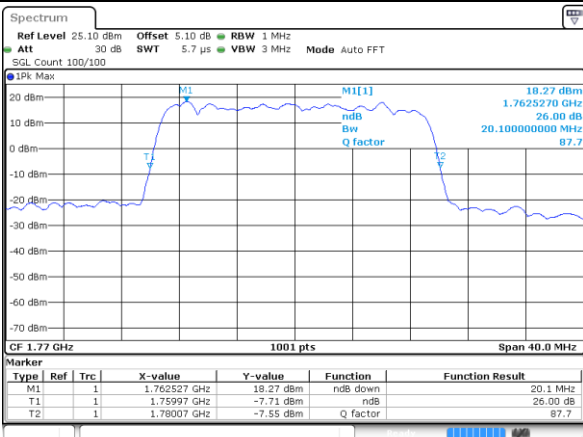
Date: 11 MAY 2018 20:12:47

Middle Channel / 20MHz / 16QAM



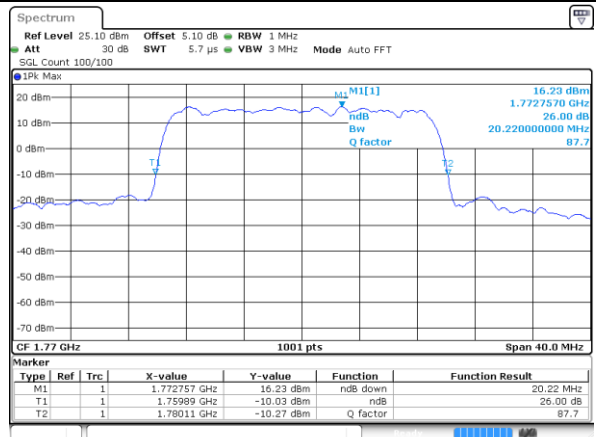
Date: 11 MAY 2018 20:12:15

Highest Channel / 20MHz / QPSK



Date: 11 MAY 2018 20:13:39

Highest Channel / 20MHz / 16QAM



Date: 11 MAY 2018 20:13:58



### 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	1.08	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)											
	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)											
	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)											
	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)											
	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	-	-	-	-	-	-



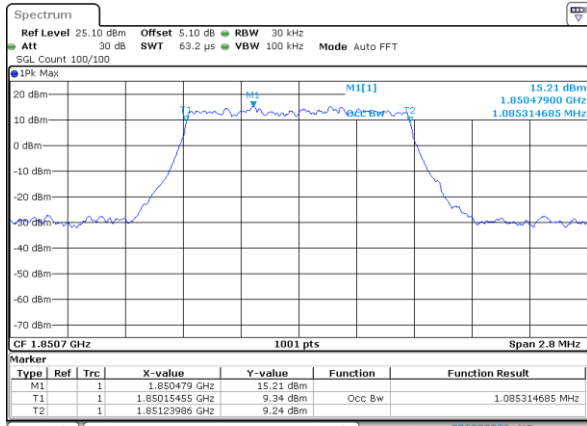
Mode	LTE Band 38 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.49	4.51	9.03	8.97	13.46	13.4	18.34	18.38
Middle CH	-	-	-	-	4.49	4.51	9.05	9.01	13.49	13.46	18.34	18.06
Highest CH	-	-	-	-	4.50	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



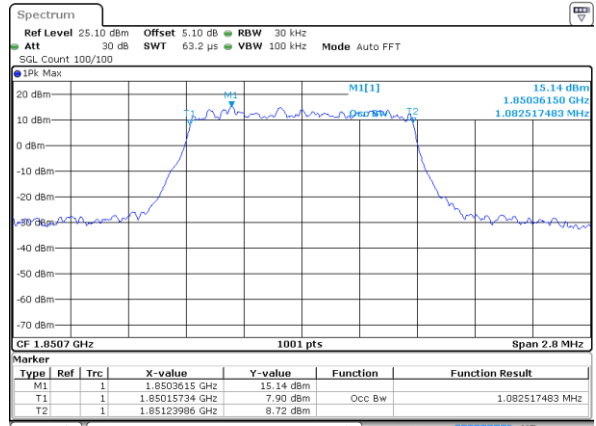
LTE Band 2

Lowest Channel / 1.4MHz / QPSK



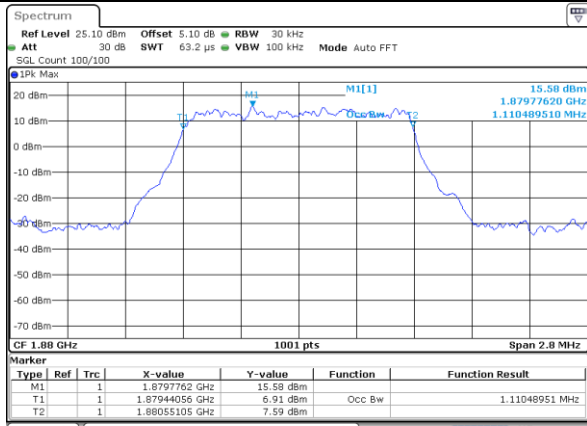
Date: 8 MAY 2016 13:49:38

Lowest Channel / 1.4MHz / 16QAM



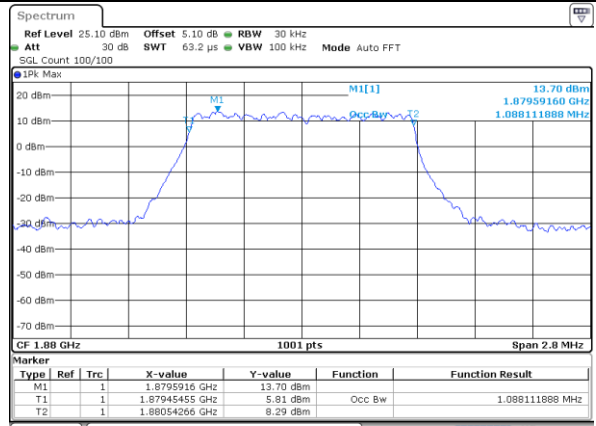
Date: 8 MAY 2016 13:49:49

Middle Channel / 1.4MHz / QPSK



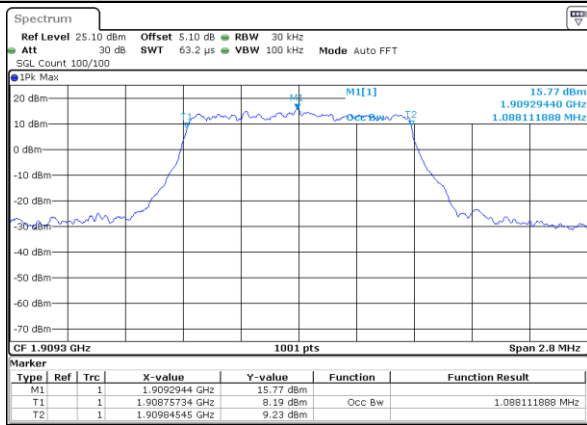
Date: 8 MAY 2016 13:56:45

Middle Channel / 1.4MHz / 16QAM



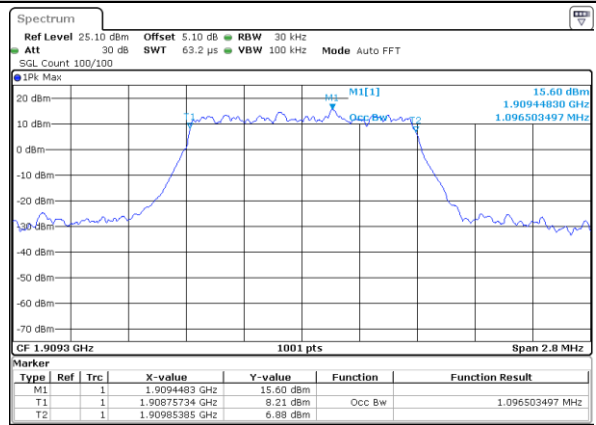
Date: 8 MAY 2016 13:56:56

Highest Channel / 1.4MHz / QPSK



Date: 8 MAY 2016 13:59:19

Highest Channel / 1.4MHz / 16QAM

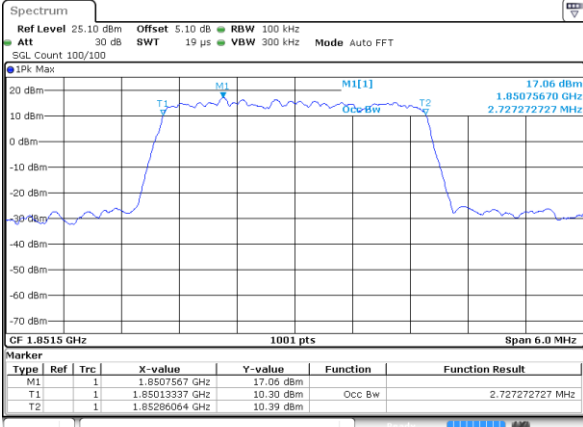


Date: 8 MAY 2016 13:59:30



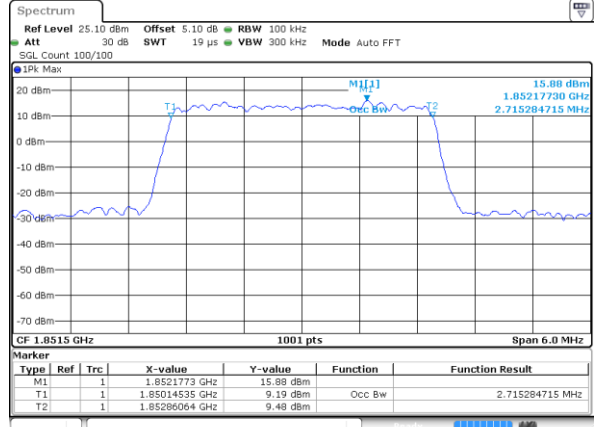
LTE Band 2

Lowest Channel / 3MHz / QPSK



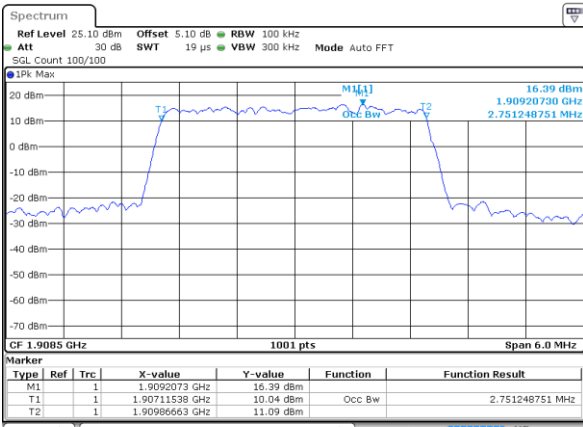
Date: 8 MAY 2018 14:06:25

Lowest Channel / 3MHz / 16QAM



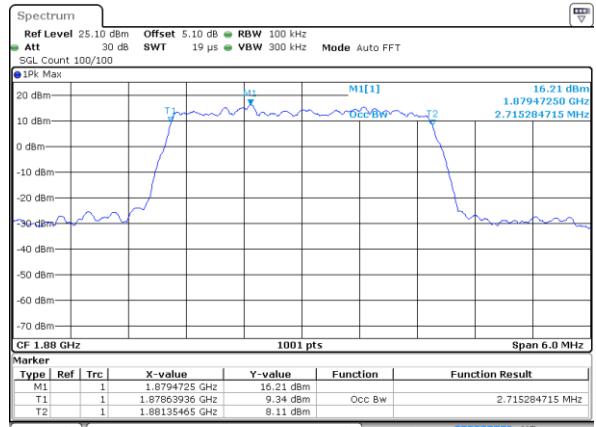
Date: 8 MAY 2018 14:06:36

Middle Channel / 3MHz / QPSK



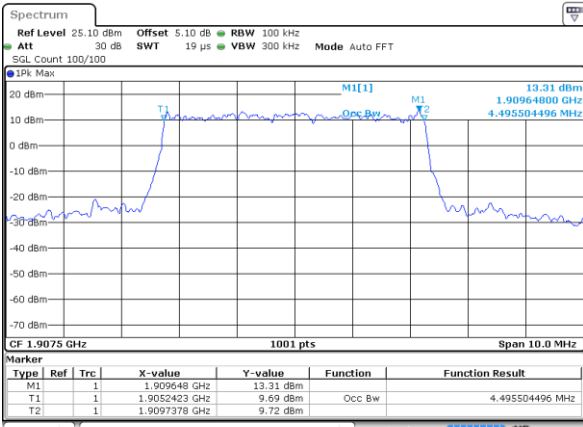
Date: 8 MAY 2018 14:16:05

Middle Channel / 3MHz / 16QAM



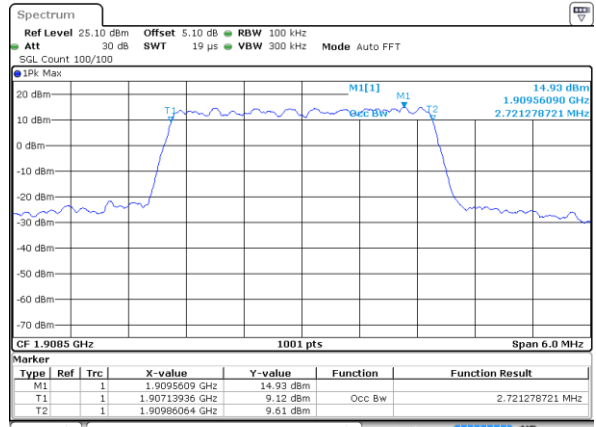
Date: 8 MAY 2018 14:13:43

Highest Channel / 3MHz / QPSK



Date: 8 MAY 2018 14:33:03

Highest Channel / 3MHz / 16QAM

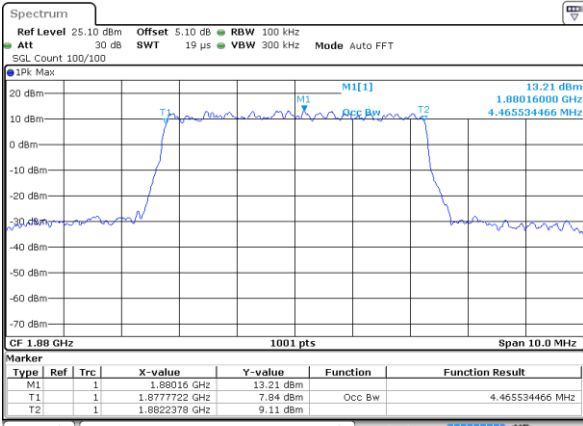


Date: 8 MAY 2018 14:16:16



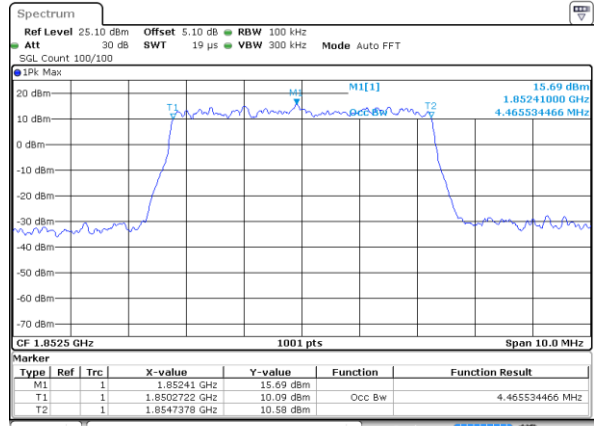
LTE Band 2

Lowest Channel / 5MHz / QPSK



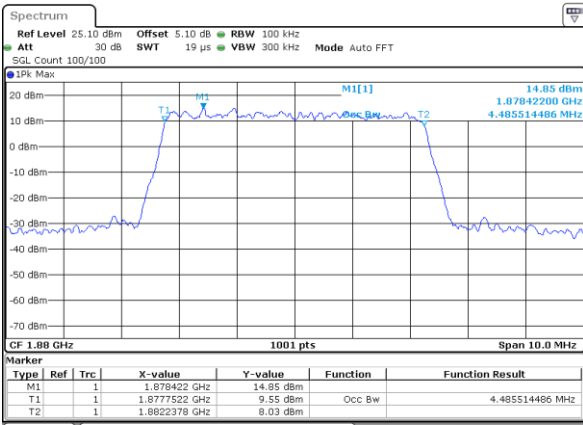
Date: 8 MAY 2018 14:30:29

Lowest Channel / 5MHz / 16QAM



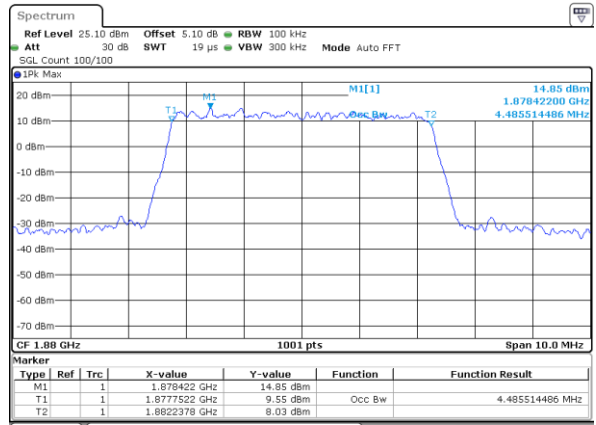
Date: 8 MAY 2018 14:23:12

Middle Channel / 5MHz / QPSK



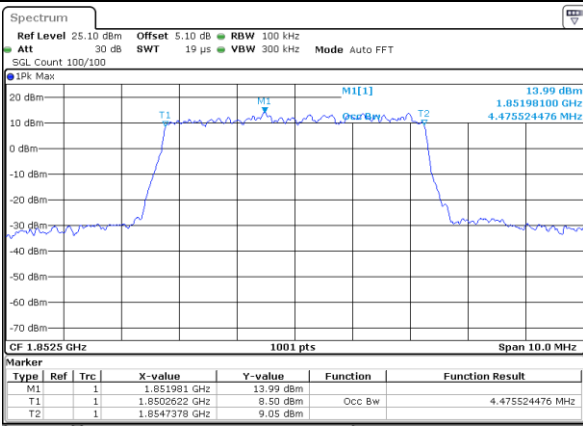
Date: 8 MAY 2018 14:30:18

Middle Channel / 5MHz / 16QAM



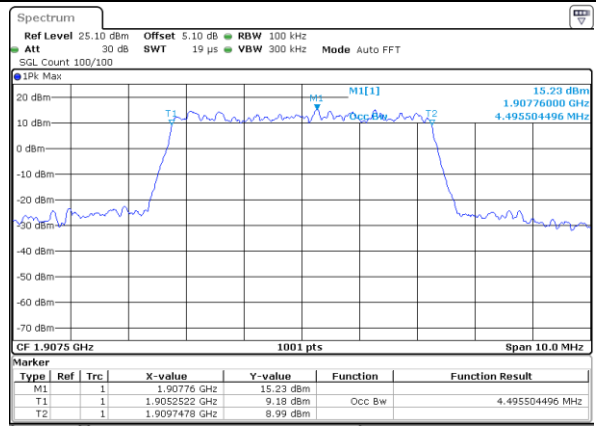
Date: 8 MAY 2018 14:30:18

Highest Channel / 5MHz / QPSK



Date: 8 MAY 2018 14:23:23

Highest Channel / 5MHz / 16QAM

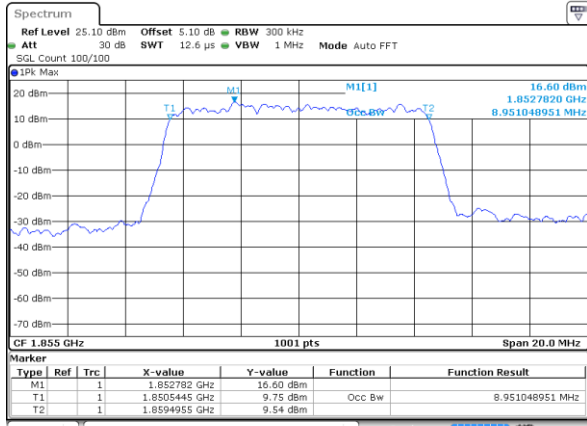


Date: 8 MAY 2018 14:32:52



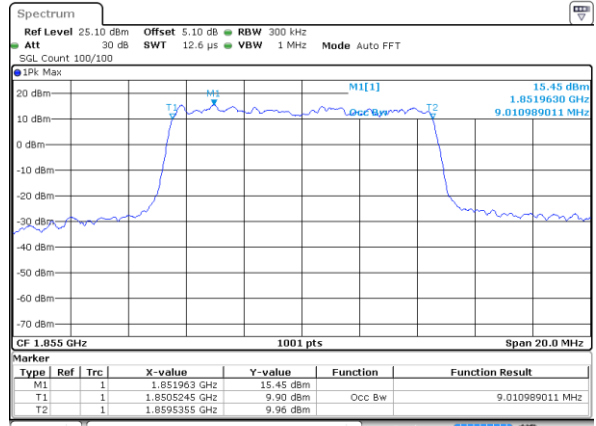
LTE Band 2

Lowest Channel / 10MHz / QPSK



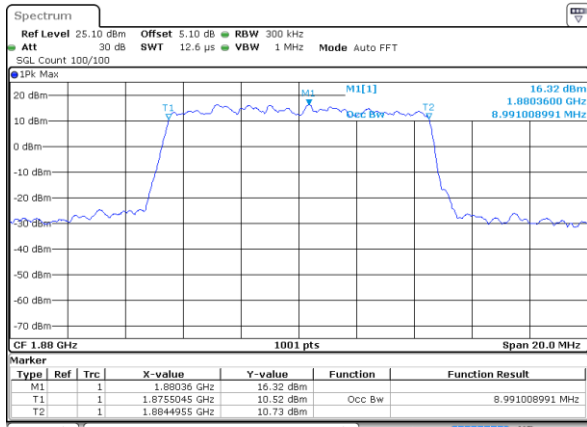
Date: 8 MAY 2018 14:39:58

Lowest Channel / 10MHz / 16QAM



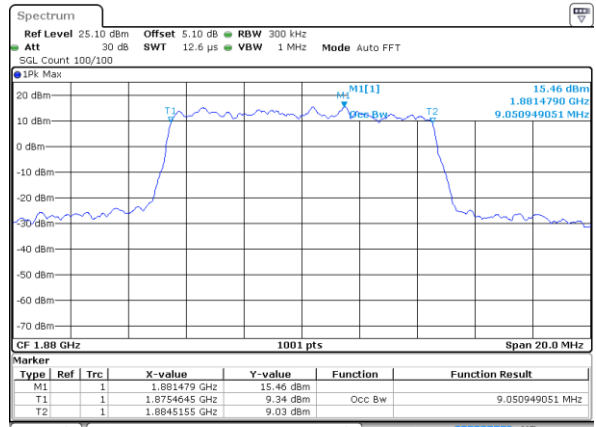
Date: 8 MAY 2018 14:40:09

Middle Channel / 10MHz / QPSK



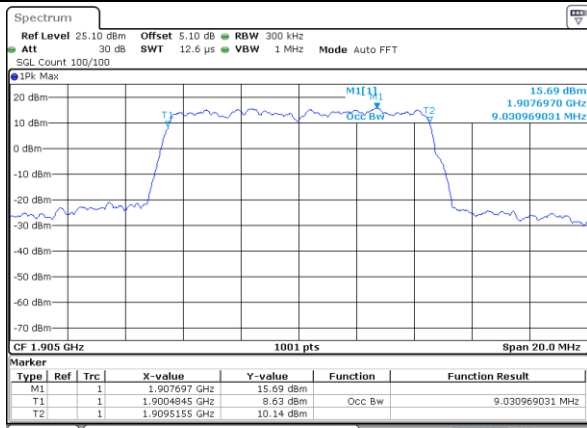
Date: 8 MAY 2018 14:47:05

Middle Channel / 10MHz / 16QAM



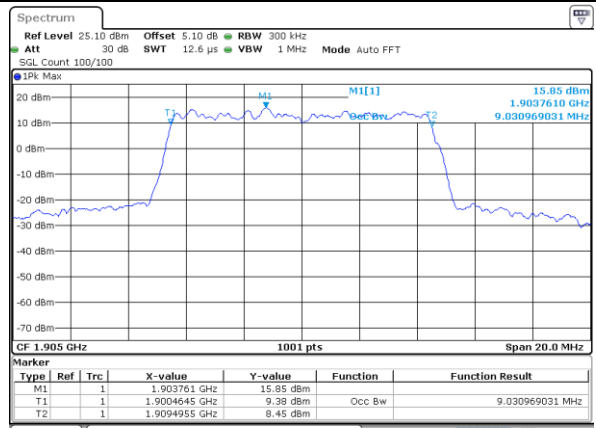
Date: 8 MAY 2018 14:47:15

Highest Channel / 10MHz / QPSK



Date: 8 MAY 2018 14:49:38

Highest Channel / 10MHz / 16QAM



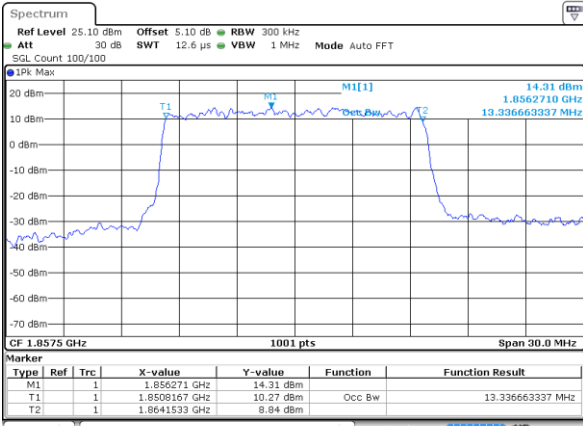
Date: 8 MAY 2018 14:49:49





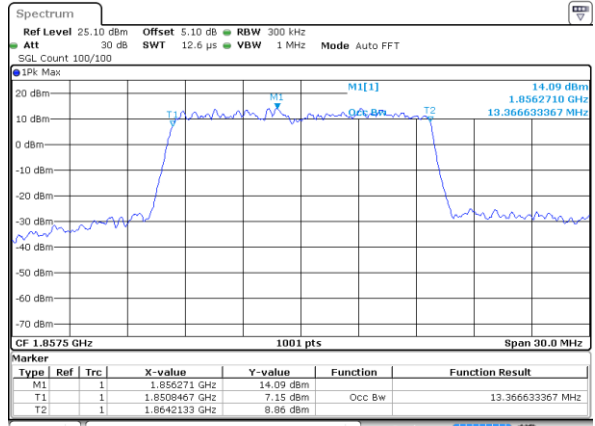
LTE Band 2

Lowest Channel / 15MHz / QPSK



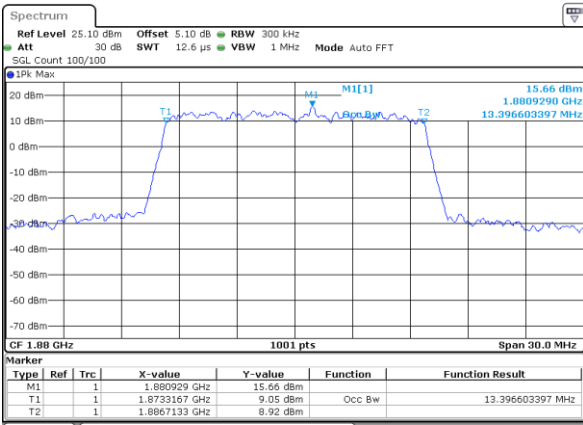
Date: 8 MAY 2018 14:56:44

Lowest Channel / 15MHz / 16QAM



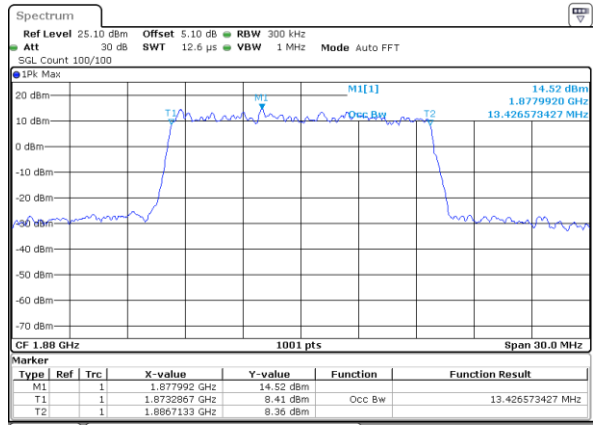
Date: 8 MAY 2018 14:56:55

Middle Channel / 15MHz / QPSK



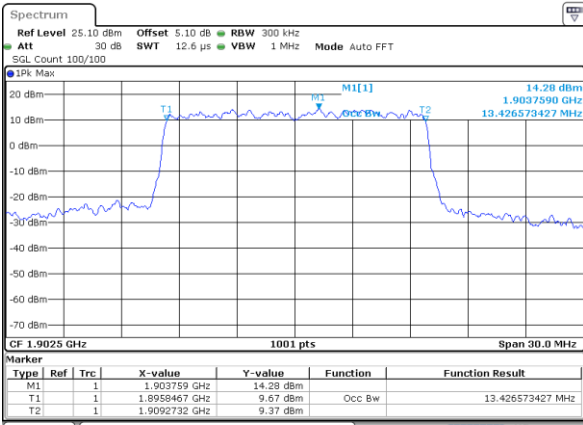
Date: 8 MAY 2018 15:03:50

Middle Channel / 15MHz / 16QAM



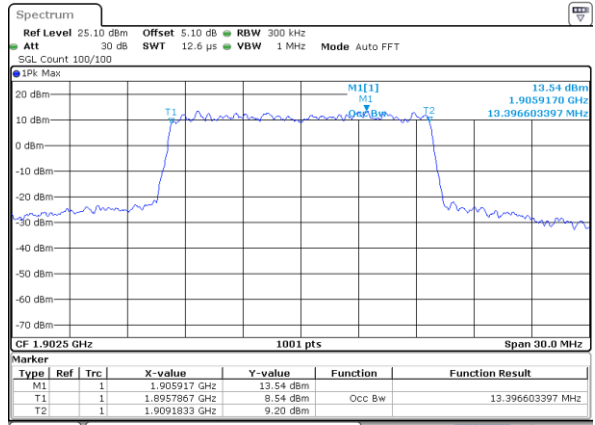
Date: 8 MAY 2018 15:04:01

Highest Channel / 15MHz / QPSK



Date: 8 MAY 2018 15:06:24

Highest Channel / 15MHz / 16QAM

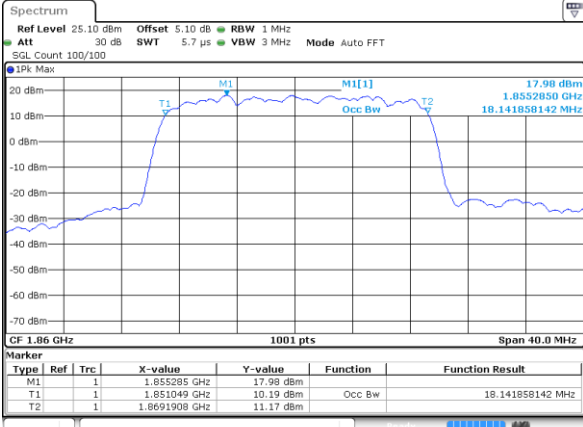


Date: 8 MAY 2018 15:06:35



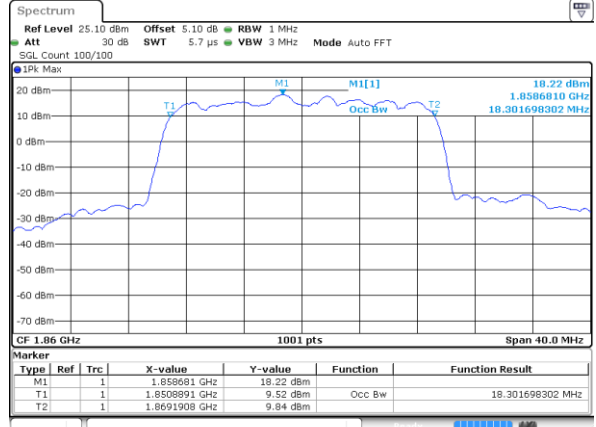
LTE Band 2

Lowest Channel / 20MHz / QPSK



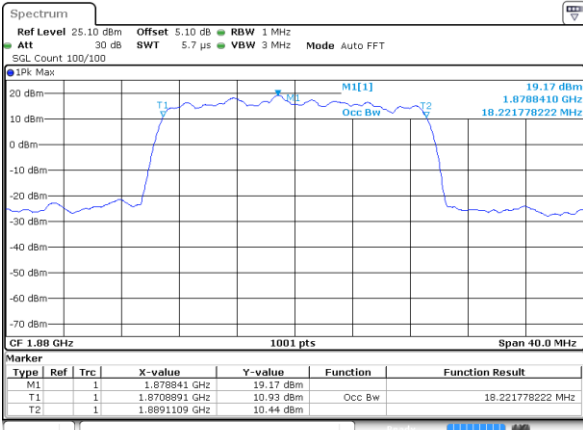
Date: 8 MAY 2018 15:13:30

Lowest Channel / 20MHz / 16QAM



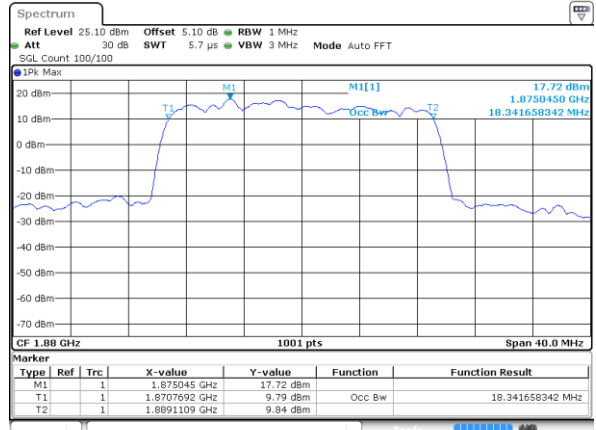
Date: 8 MAY 2018 15:13:41

Middle Channel / 20MHz / QPSK



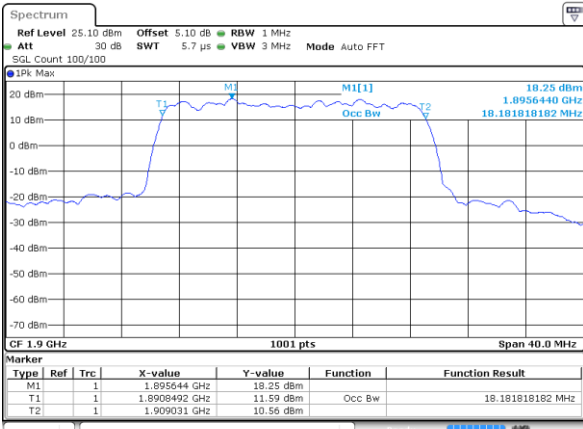
Date: 8 MAY 2018 15:20:36

Middle Channel / 20MHz / 16QAM



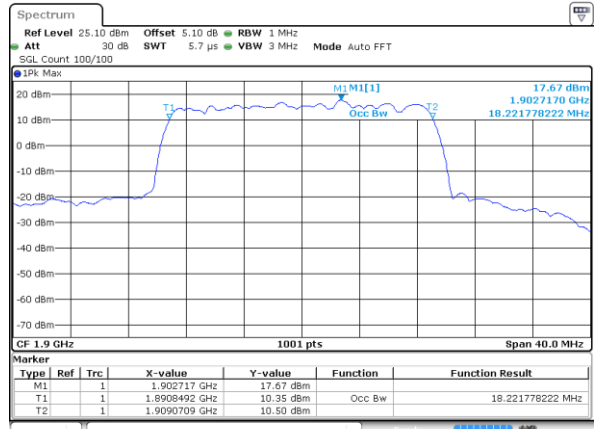
Date: 8 MAY 2018 15:20:47

Highest Channel / 20MHz / QPSK



Date: 8 MAY 2018 15:23:10

Highest Channel / 20MHz / 16QAM

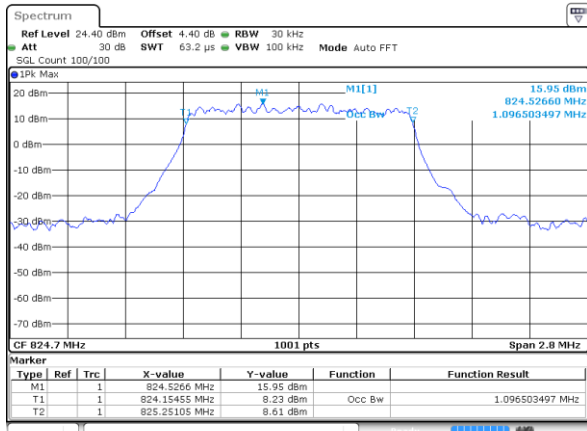


Date: 8 MAY 2018 15:23:21



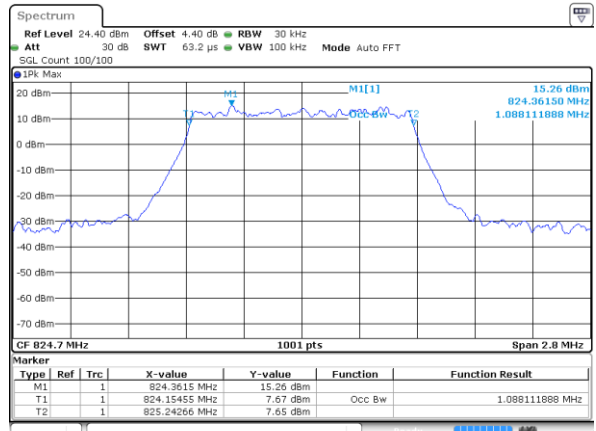
LTE Band 5

Lowest Channel / 1.4MHz / QPSK



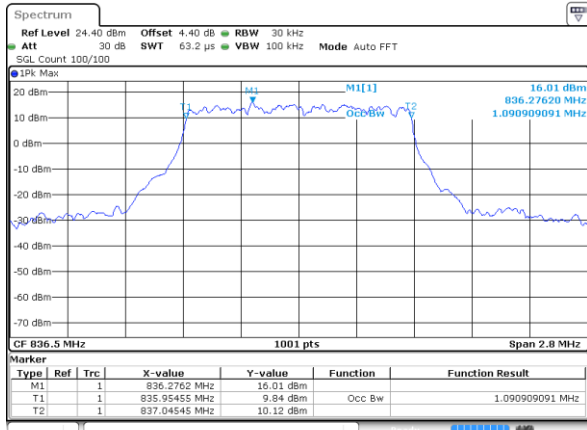
Date: 8 MAY 2018 11:10:39

Lowest Channel / 1.4MHz / 16QAM



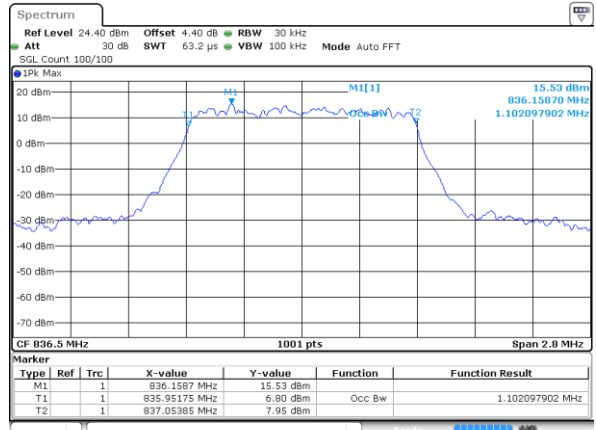
Date: 8 MAY 2018 11:10:50

Middle Channel / 1.4MHz / QPSK



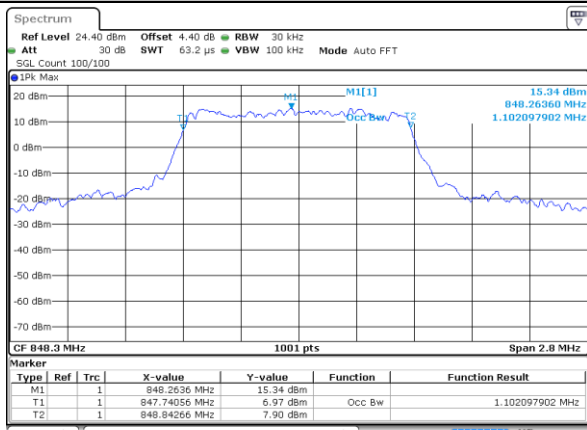
Date: 8 MAY 2018 11:19:45

Middle Channel / 1.4MHz / 16QAM



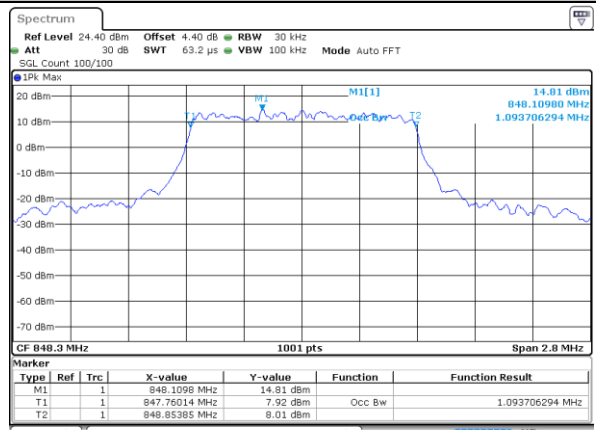
Date: 8 MAY 2018 11:19:55

Highest Channel / 1.4MHz / QPSK



Date: 8 MAY 2018 11:22:18

Highest Channel / 1.4MHz / 16QAM

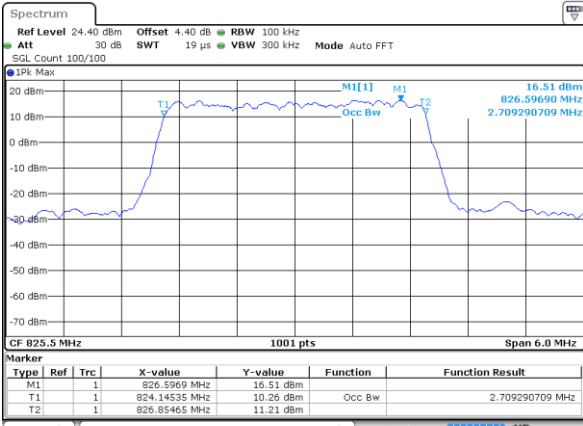


Date: 8 MAY 2018 11:22:29



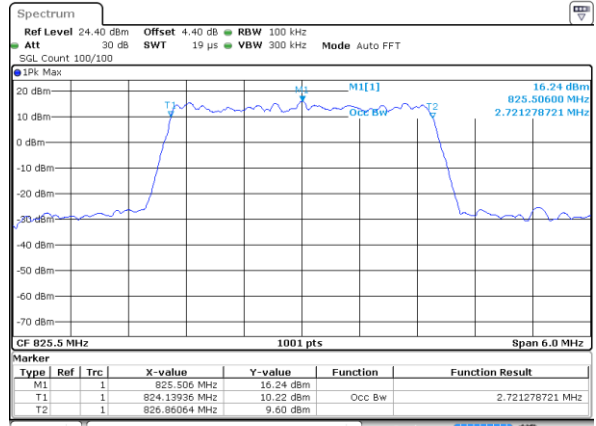
LTE Band 5

Lowest Channel / 3MHz / QPSK



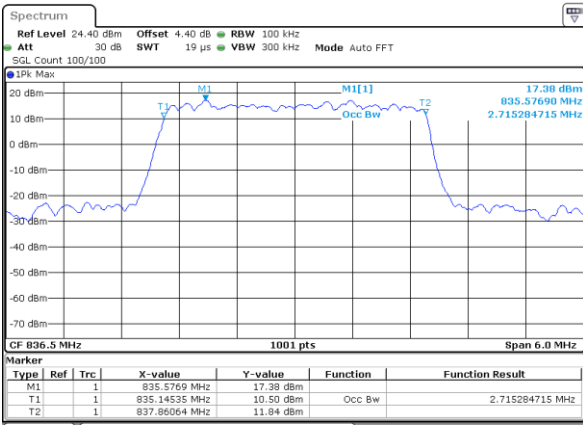
Date: 8 MAY 2018 11:31:23

Lowest Channel / 3MHz / 16QAM



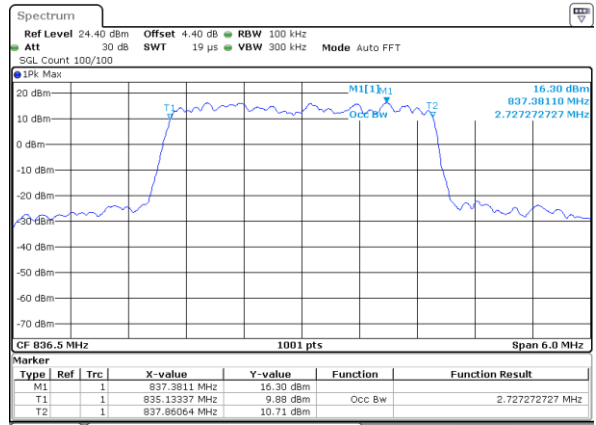
Date: 8 MAY 2018 11:31:34

Middle Channel / 3MHz / QPSK



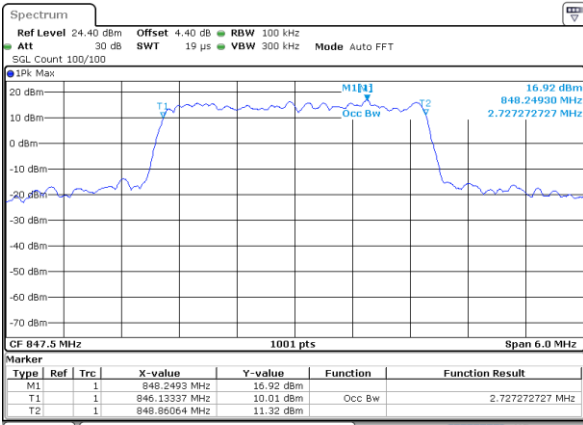
Date: 8 MAY 2018 11:40:29

Middle Channel / 3MHz / 16QAM



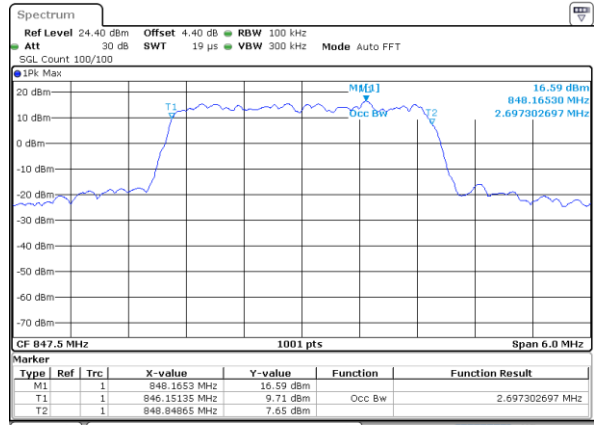
Date: 8 MAY 2018 11:40:39

Highest Channel / 3MHz / QPSK



Date: 8 MAY 2018 11:43:01

Highest Channel / 3MHz / 16QAM

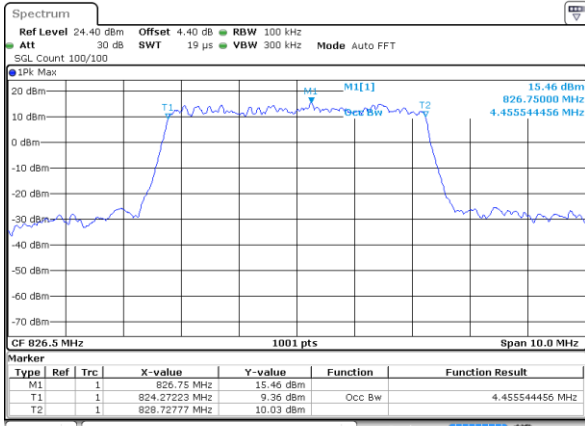


Date: 8 MAY 2018 11:43:12



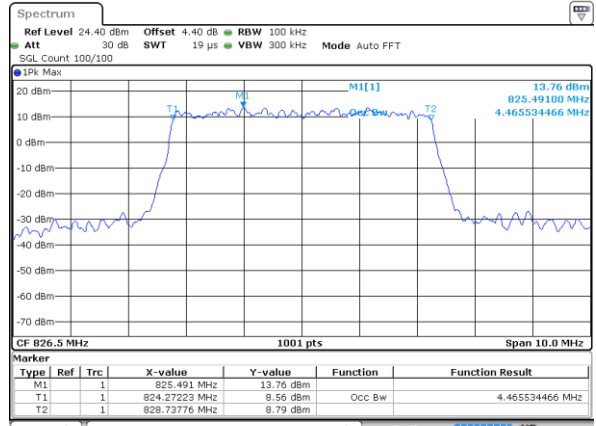
LTE Band 5

Lowest Channel / 5MHz / QPSK



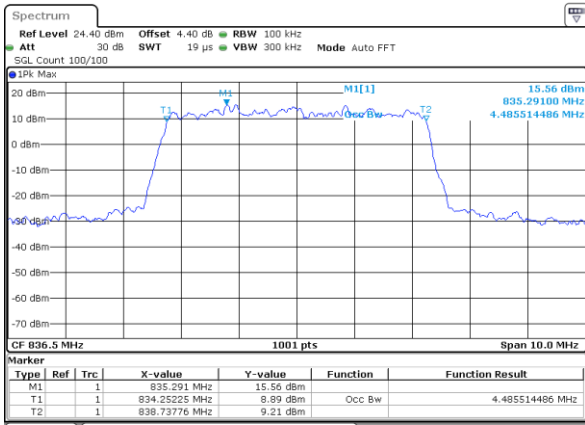
Date: 8 MAY 2018 11:52:07

Lowest Channel / 5MHz / 16QAM



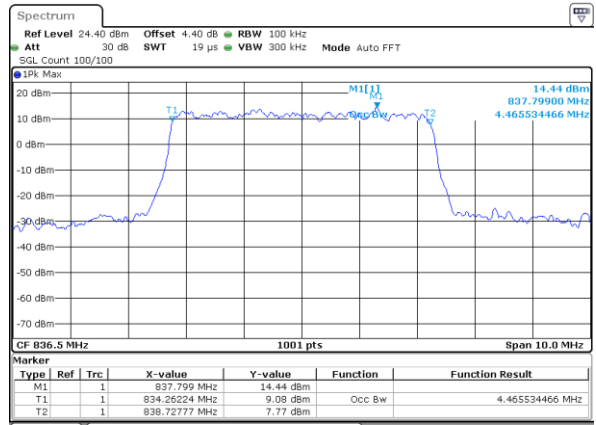
Date: 8 MAY 2018 11:52:18

Middle Channel / 5MHz / QPSK



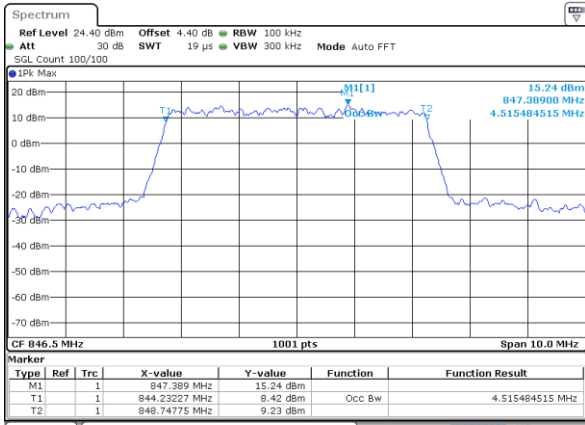
Date: 8 MAY 2018 12:01:13

Middle Channel / 5MHz / 16QAM



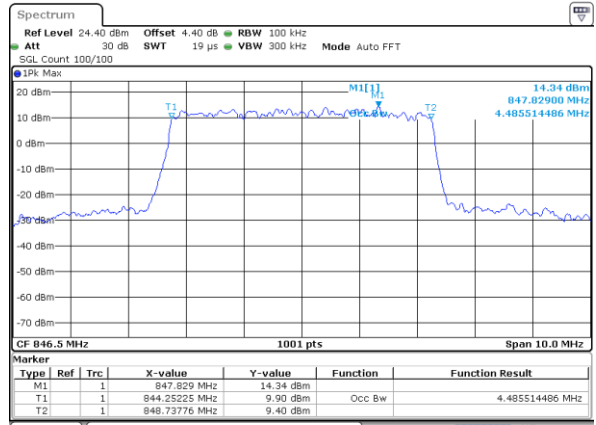
Date: 8 MAY 2018 12:01:23

Highest Channel / 5MHz / QPSK



Date: 8 MAY 2018 12:03:46

Highest Channel / 5MHz / 16QAM

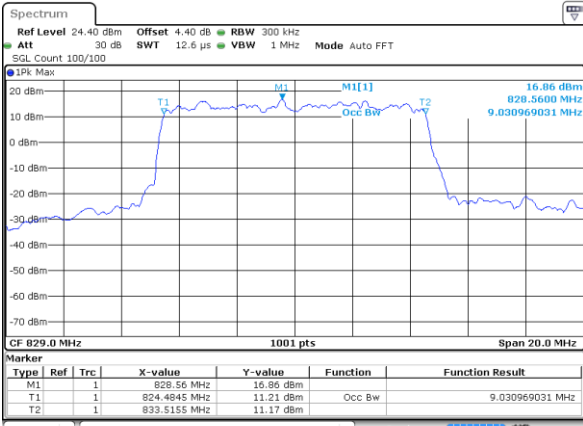


Date: 8 MAY 2018 12:03:57



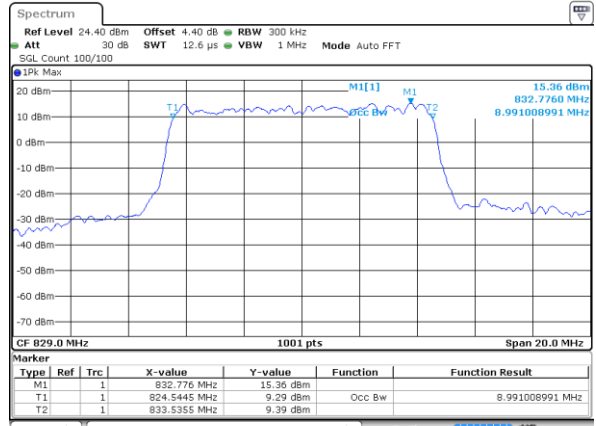
LTE Band 5

Lowest Channel / 10MHz / QPSK



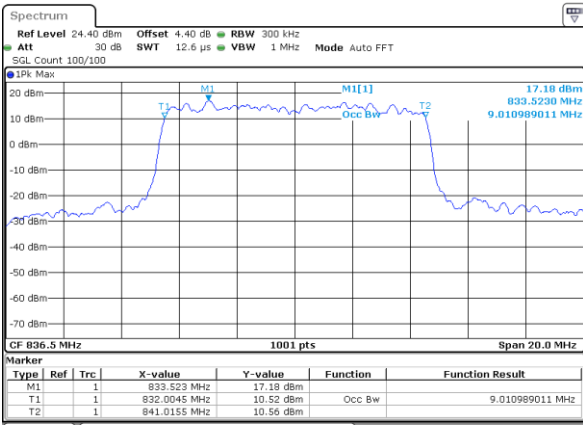
Date: 8 MAY 2018 12:12:51

Lowest Channel / 10MHz / 16QAM



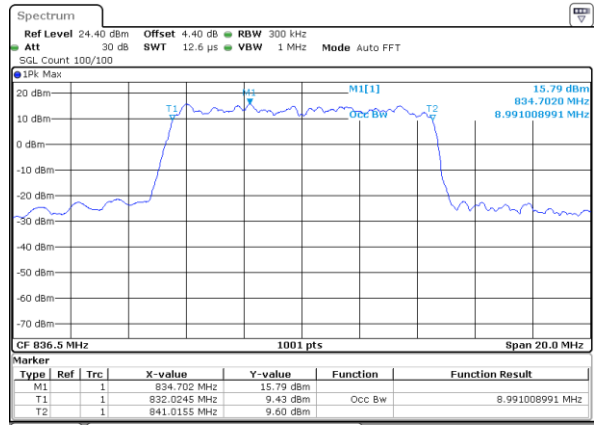
Date: 8 MAY 2018 12:13:02

Middle Channel / 10MHz / QPSK



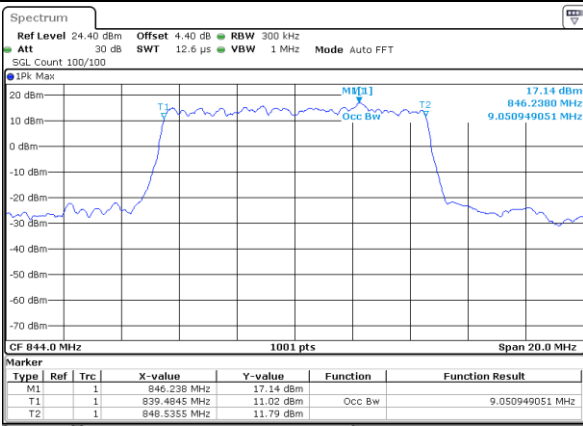
Date: 8 MAY 2018 12:21:57

Middle Channel / 10MHz / 16QAM



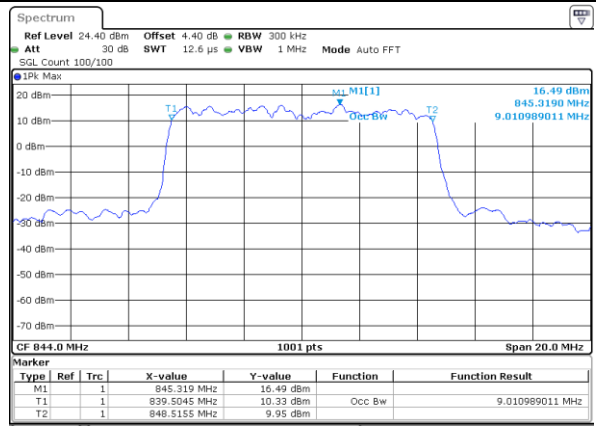
Date: 8 MAY 2018 12:22:08

Highest Channel / 10MHz / QPSK



Date: 8 MAY 2018 12:24:31

Highest Channel / 10MHz / 16QAM

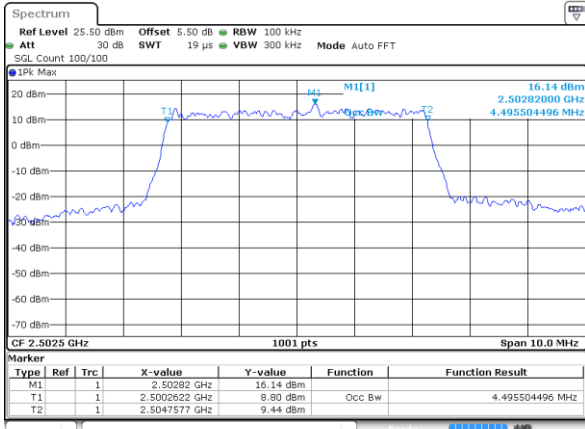


Date: 8 MAY 2018 12:24:41



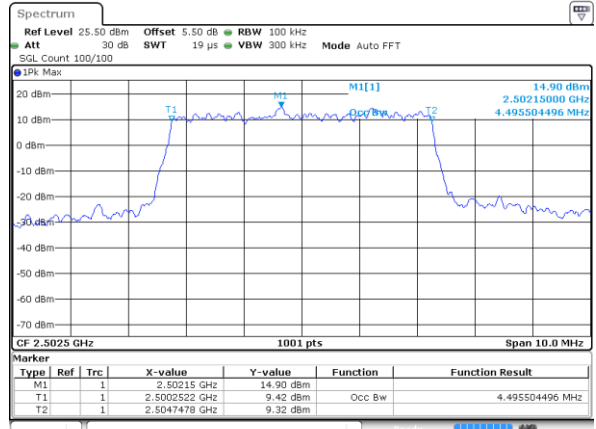
LTE Band 7

Lowest Channel / 5MHz / QPSK



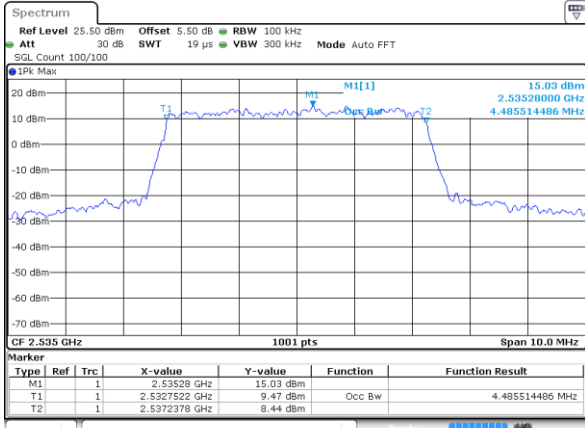
Date: 8 MAY 2018 16:05:00

Lowest Channel / 5MHz / 16QAM



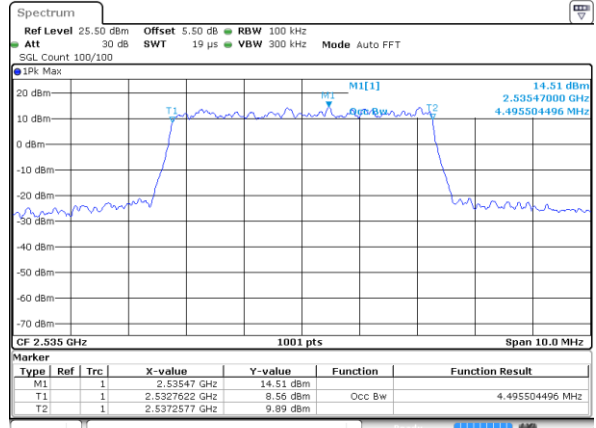
Date: 8 MAY 2018 16:05:22

Middle Channel / 5MHz / QPSK



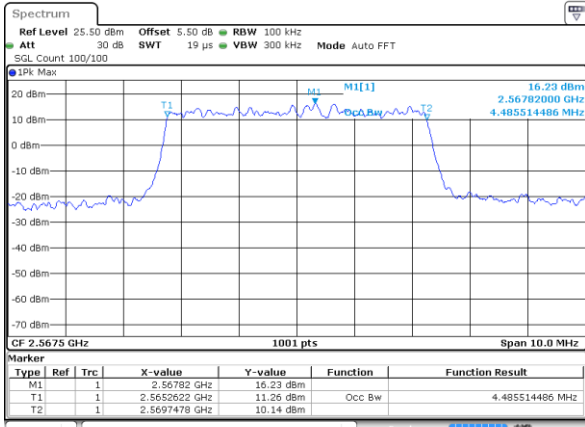
Date: 8 MAY 2018 16:14:21

Middle Channel / 5MHz / 16QAM



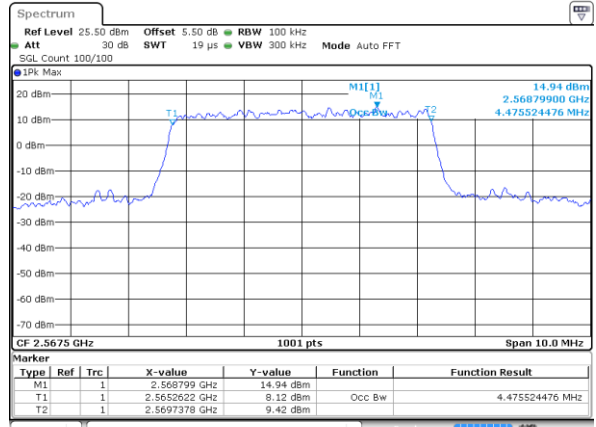
Date: 8 MAY 2018 16:13:59

Highest Channel / 5MHz / QPSK



Date: 8 MAY 2018 16:14:42

Highest Channel / 5MHz / 16QAM

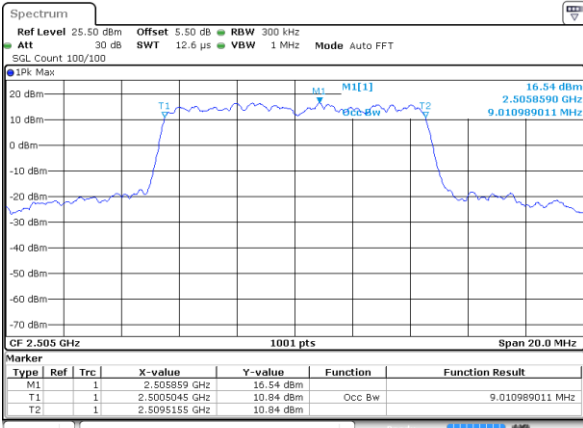


Date: 8 MAY 2018 16:15:04



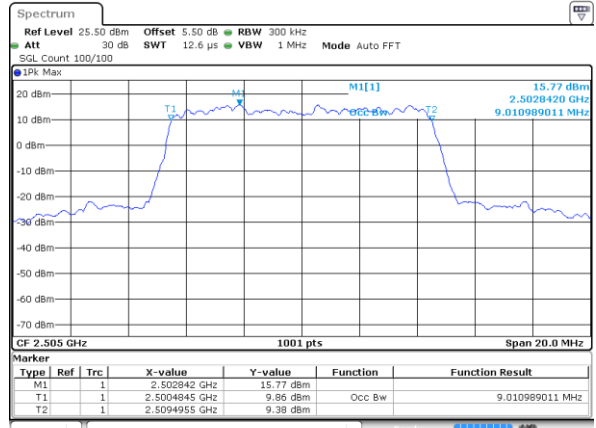
LTE Band 7

Lowest Channel / 10MHz / QPSK



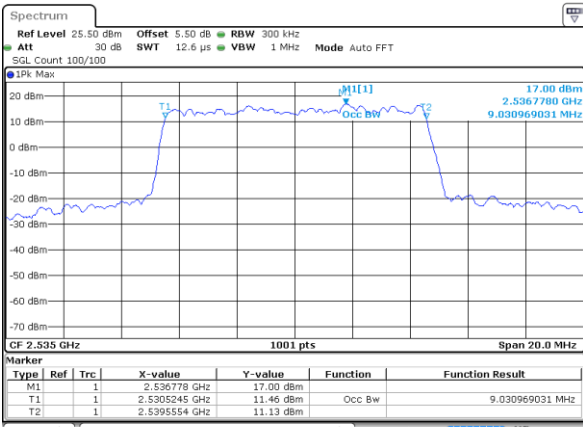
Date: 8 MAY 2018 16:21:51

Lowest Channel / 10MHz / 16QAM



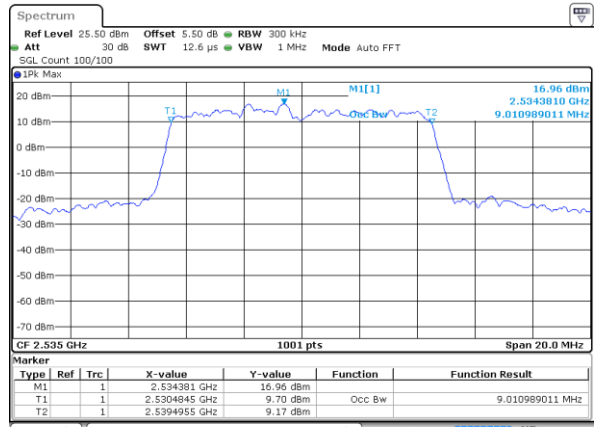
Date: 8 MAY 2018 16:22:12

Middle Channel / 10MHz / QPSK



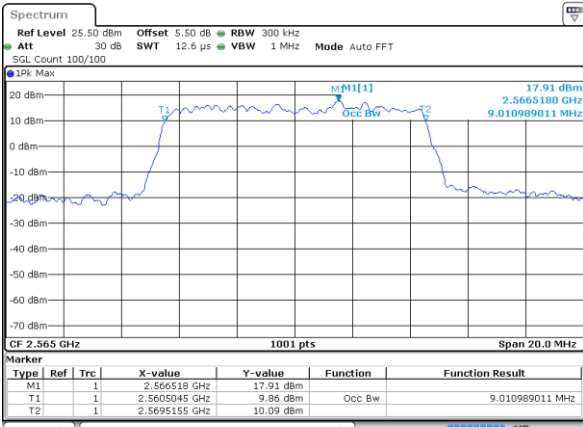
Date: 8 MAY 2018 16:31:11

Middle Channel / 10MHz / 16QAM



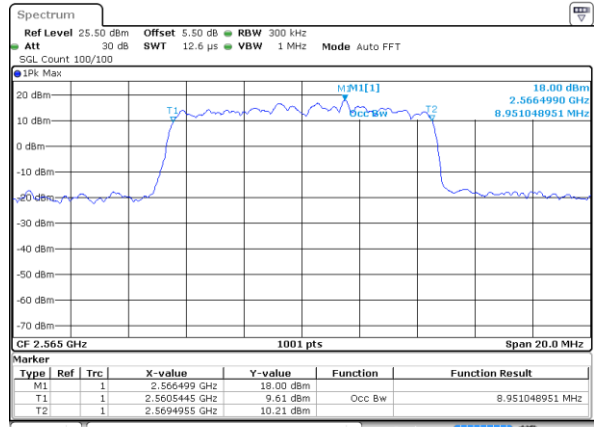
Date: 8 MAY 2018 16:30:50

Highest Channel / 10MHz / QPSK



Date: 8 MAY 2018 16:31:32

Highest Channel / 10MHz / 16QAM



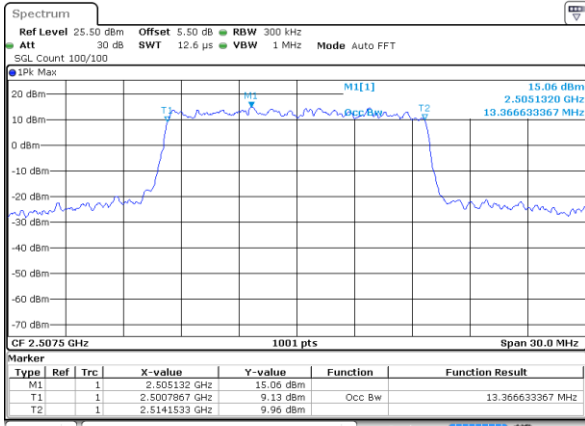
Date: 8 MAY 2018 16:31:54





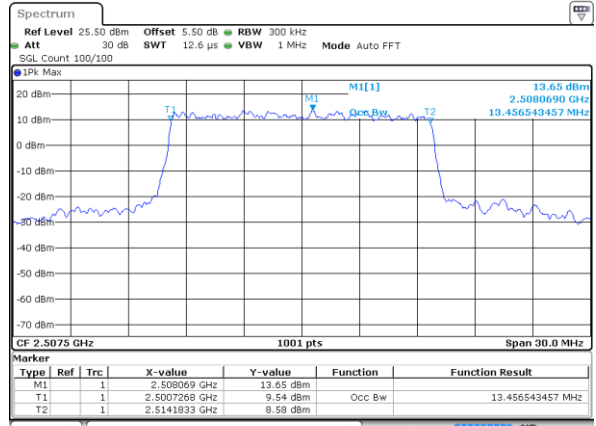
LTE Band 7

Lowest Channel / 15MHz / QPSK



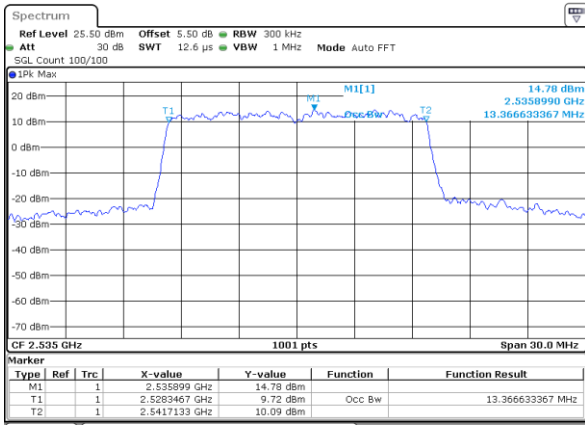
Date: 8 MAY 2018 16:38:40

Lowest Channel / 15MHz / 16QAM



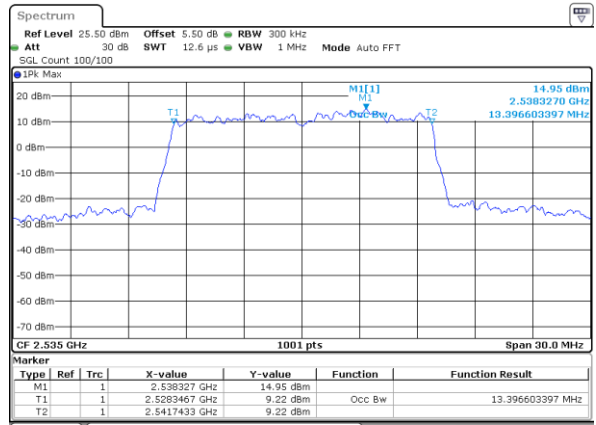
Date: 8 MAY 2018 16:39:01

Middle Channel / 15MHz / QPSK



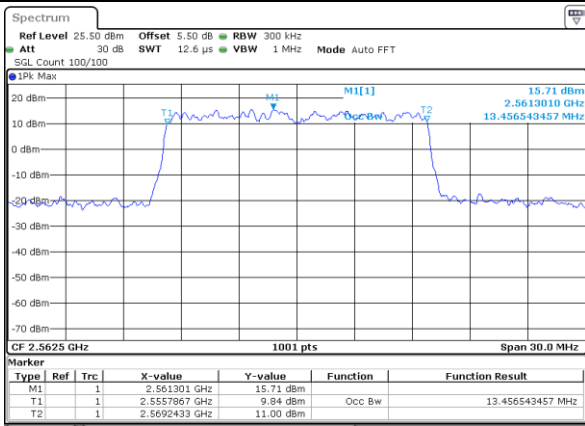
Date: 8 MAY 2018 17:05:31

Middle Channel / 15MHz / 16QAM



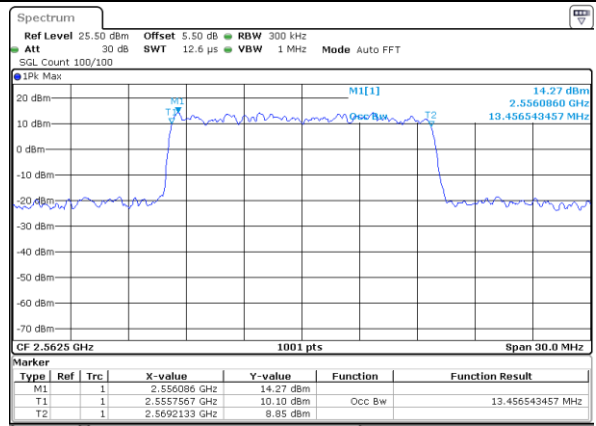
Date: 8 MAY 2018 17:05:09

Highest Channel / 15MHz / QPSK



Date: 8 MAY 2018 17:05:53

Highest Channel / 15MHz / 16QAM

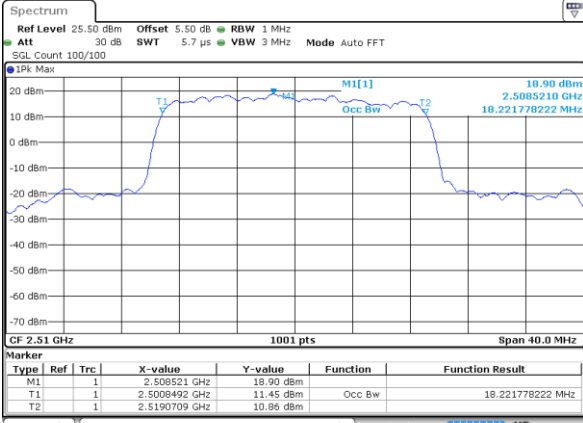


Date: 8 MAY 2018 17:06:14



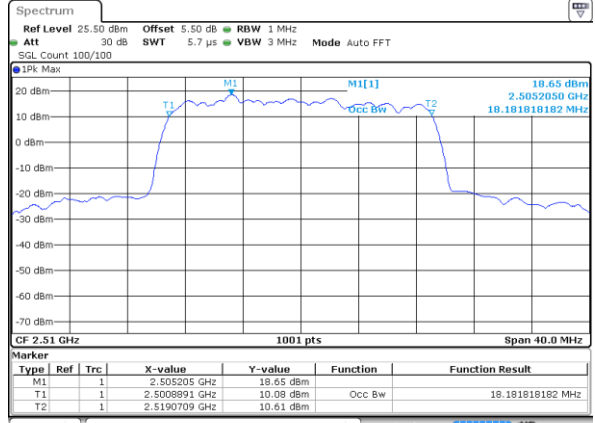
LTE Band 7

Lowest Channel / 20MHz / QPSK



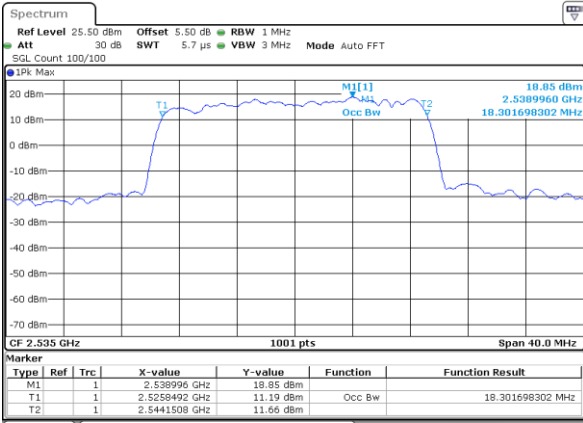
Date: 8 MAY 2018 17:13:00

Lowest Channel / 20MHz / 16QAM



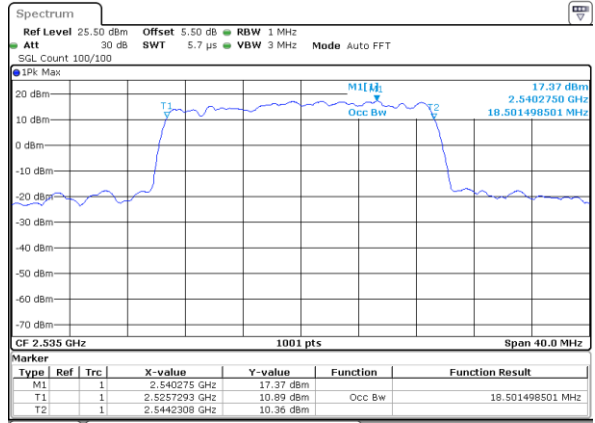
Date: 8 MAY 2018 17:13:21

Middle Channel / 20MHz / QPSK



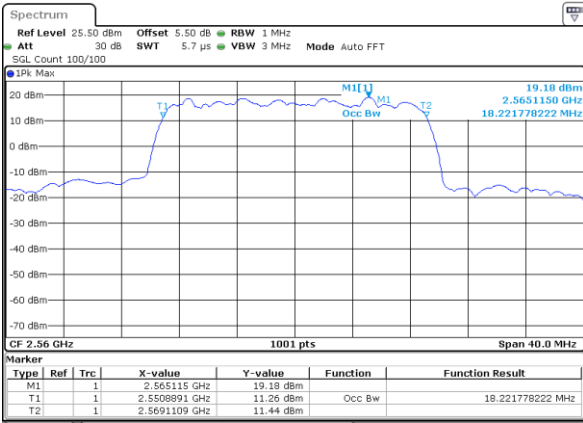
Date: 8 MAY 2018 17:22:19

Middle Channel / 20MHz / 16QAM



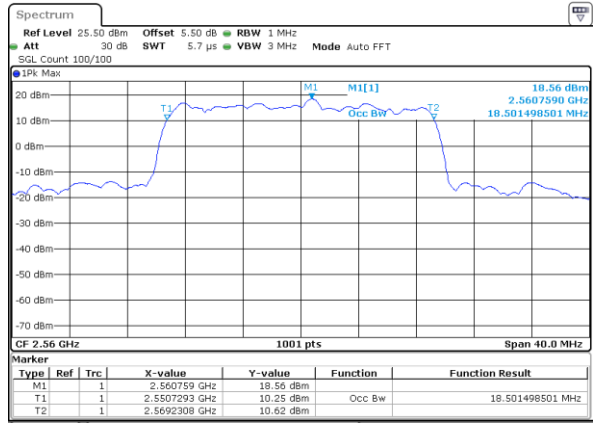
Date: 8 MAY 2018 17:21:58

Highest Channel / 20MHz / QPSK



Date: 8 MAY 2018 17:22:40

Highest Channel / 20MHz / 16QAM

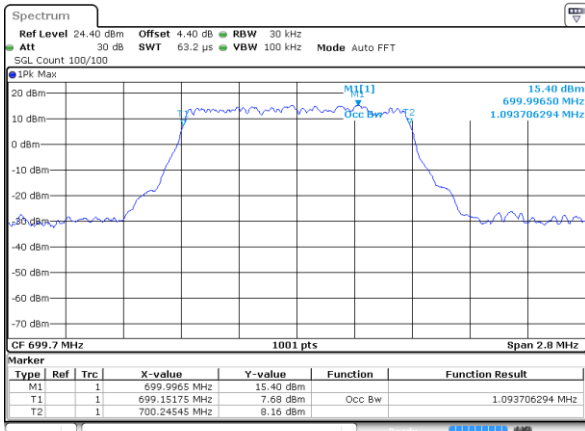


Date: 8 MAY 2018 17:23:02



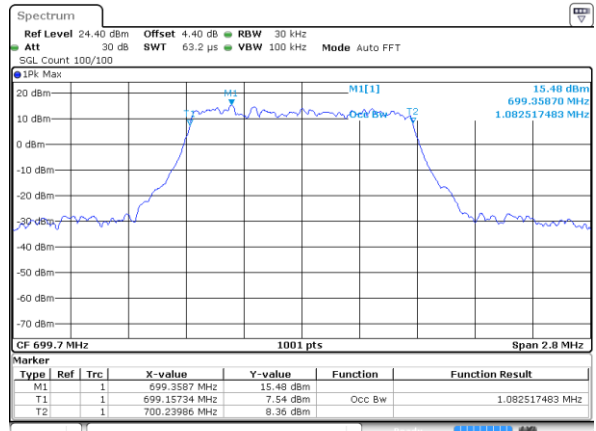
LTE Band 12

Lowest Channel / 1.4MHz / QPSK



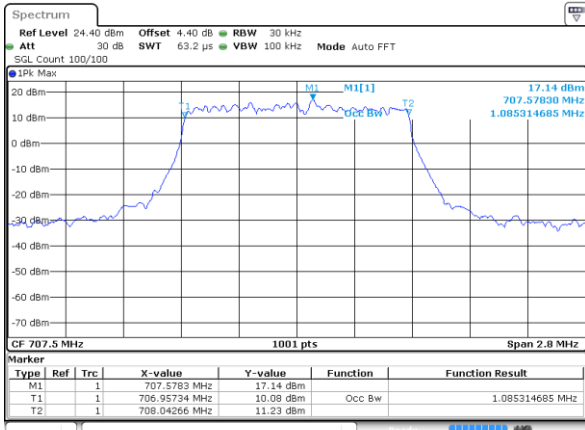
Date: 8 MAY 2018 17:54:50

Lowest Channel / 1.4MHz / 16QAM



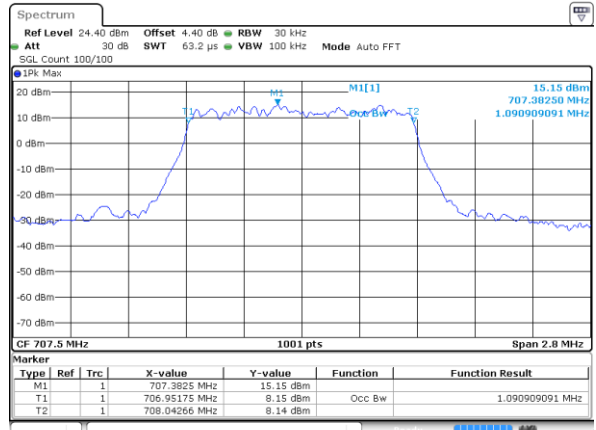
Date: 8 MAY 2018 17:55:01

Middle Channel / 1.4MHz / QPSK



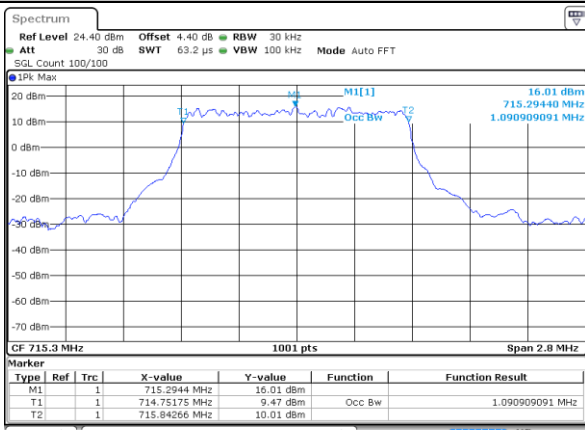
Date: 8 MAY 2018 17:55:22

Middle Channel / 1.4MHz / 16QAM



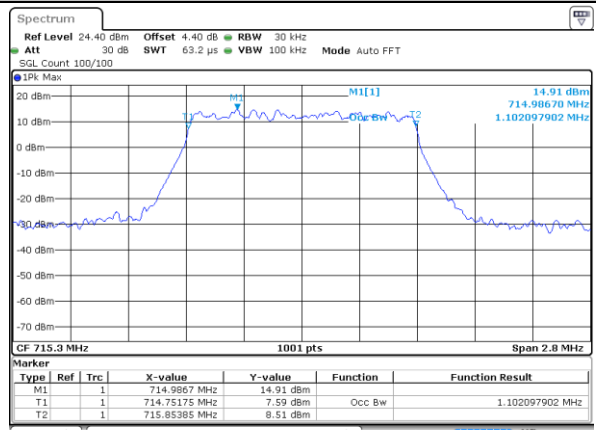
Date: 8 MAY 2018 17:55:12

Highest Channel / 1.4MHz / QPSK



Date: 8 MAY 2018 17:55:33

Highest Channel / 1.4MHz / 16QAM

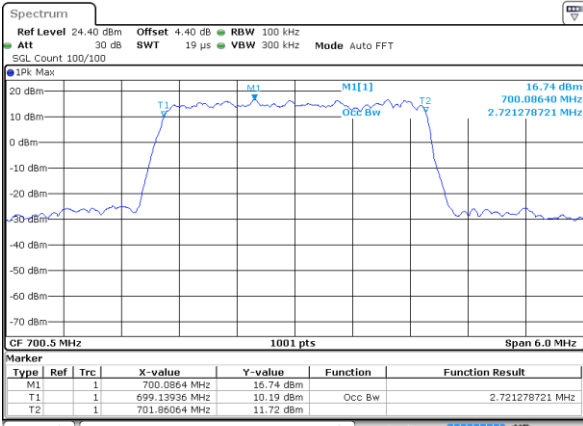


Date: 8 MAY 2018 17:55:44



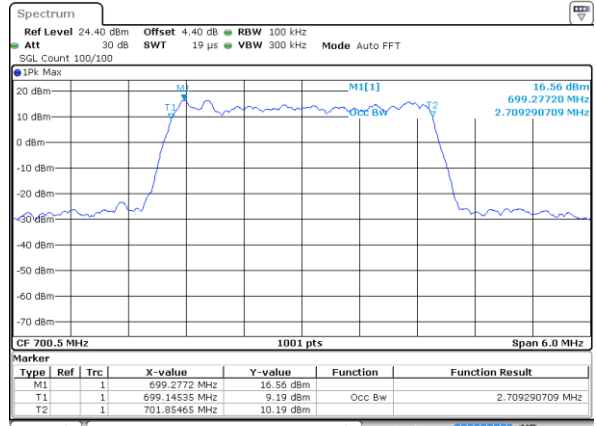
LTE Band 12

Lowest Channel / 3MHz / QPSK



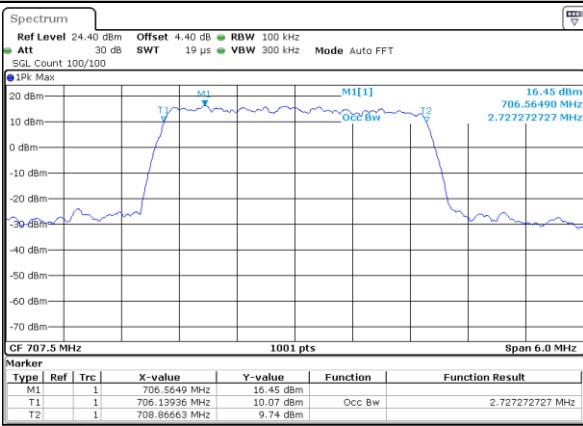
Date: 8 MAY 2018 18:11:34

Lowest Channel / 3MHz / 16QAM



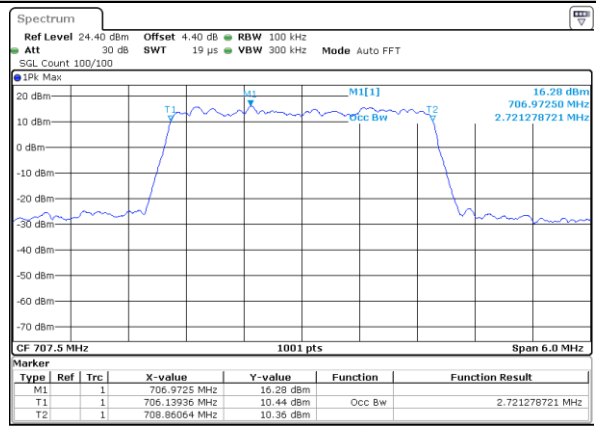
Date: 8 MAY 2018 18:11:45

Middle Channel / 3MHz / QPSK



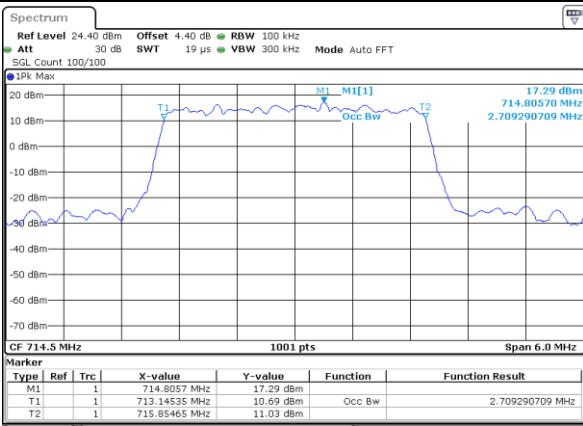
Date: 8 MAY 2018 18:12:07

Middle Channel / 3MHz / 16QAM



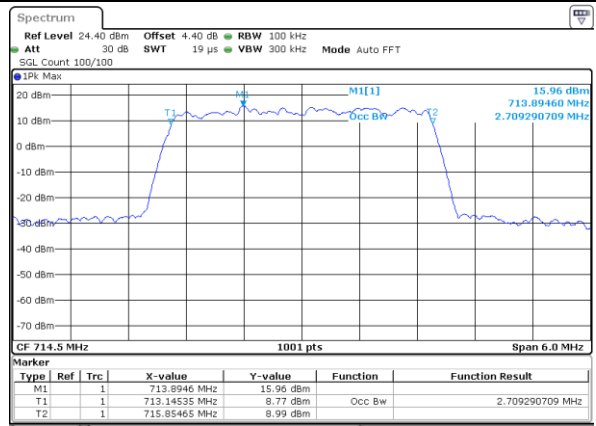
Date: 8 MAY 2018 18:11:56

Highest Channel / 3MHz / QPSK



Date: 8 MAY 2018 18:12:17

Highest Channel / 3MHz / 16QAM

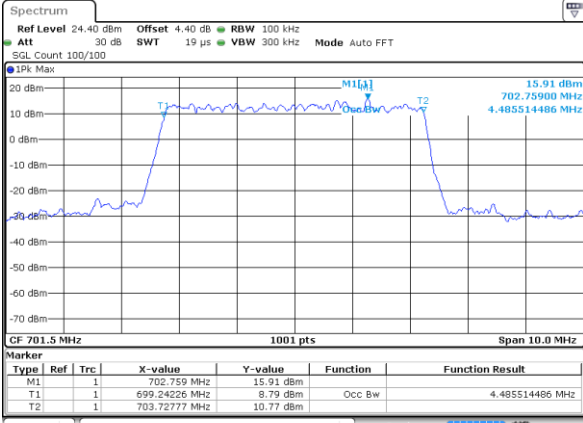


Date: 8 MAY 2018 18:12:28



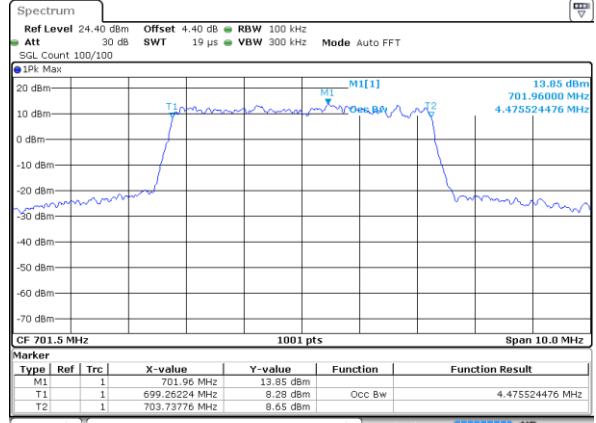
LTE Band 12

Lowest Channel / 5MHz / QPSK



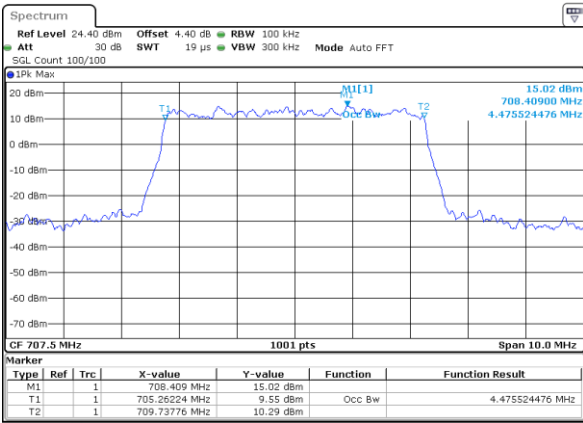
Date: 8 MAY 2018 18:28:19

Lowest Channel / 5MHz / 16QAM



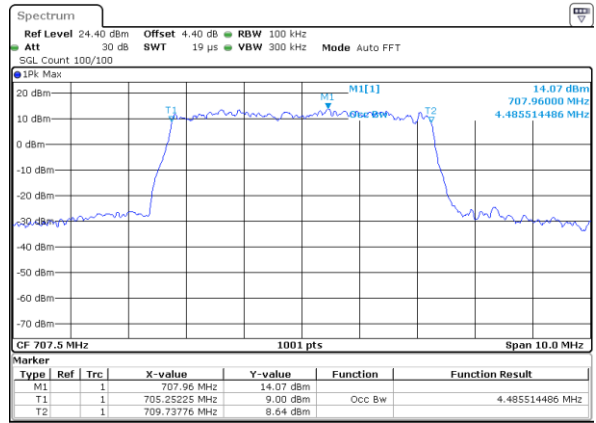
Date: 8 MAY 2018 18:28:29

Middle Channel / 5MHz / QPSK



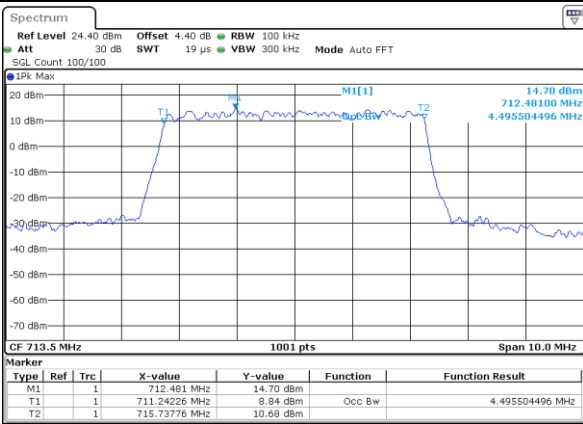
Date: 8 MAY 2018 18:28:51

Middle Channel / 5MHz / 16QAM



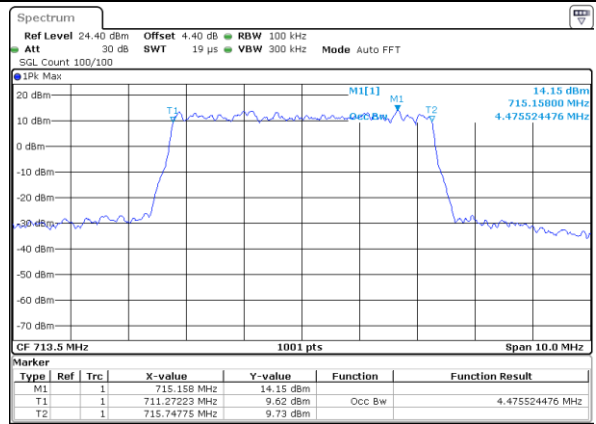
Date: 8 MAY 2018 18:28:40

Highest Channel / 5MHz / QPSK



Date: 8 MAY 2018 18:29:02

Highest Channel / 5MHz / 16QAM

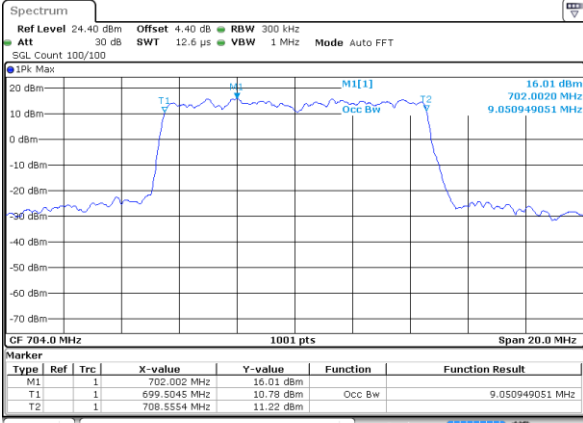


Date: 8 MAY 2018 18:29:12



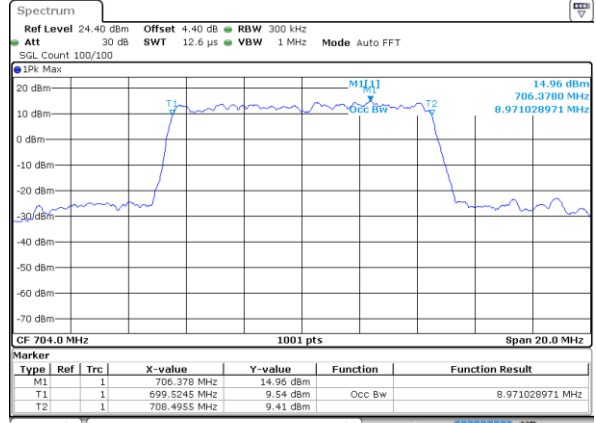
LTE Band 12

Lowest Channel / 10MHz / QPSK



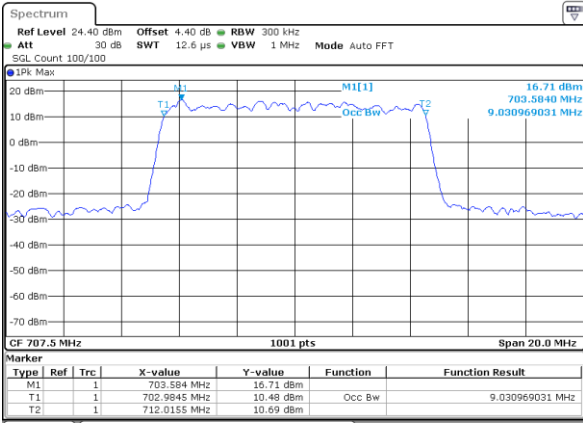
Date: 8 MAY 2018 18:45:03

Lowest Channel / 10MHz / 16QAM



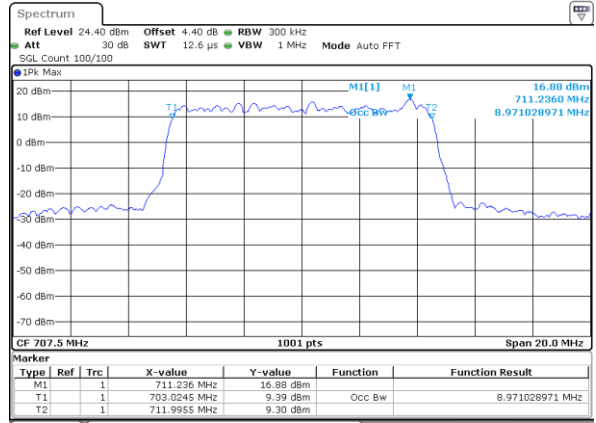
Date: 8 MAY 2018 18:45:14

Middle Channel / 10MHz / QPSK



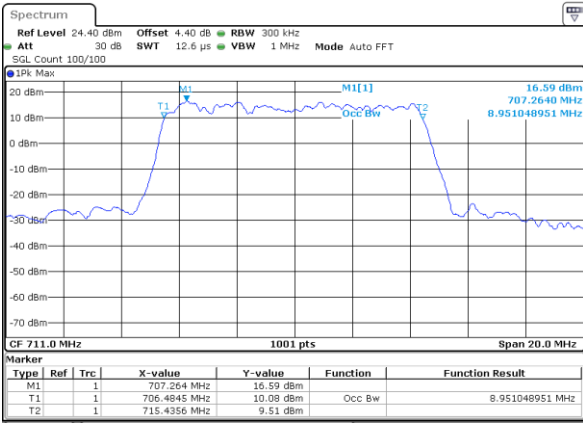
Date: 8 MAY 2018 18:45:35

Middle Channel / 10MHz / 16QAM



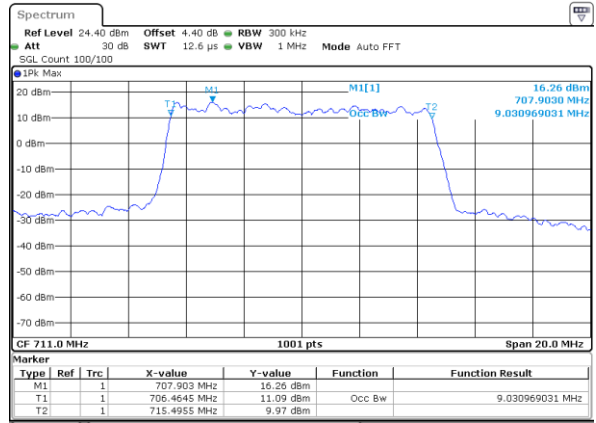
Date: 8 MAY 2018 18:45:25

Highest Channel / 10MHz / QPSK



Date: 8 MAY 2018 18:45:46

Highest Channel / 10MHz / 16QAM

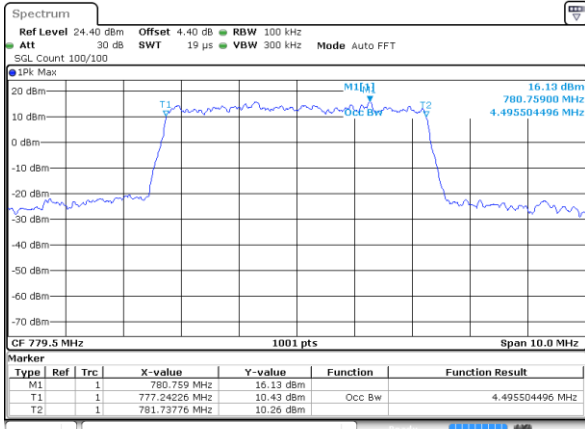


Date: 8 MAY 2018 18:45:57



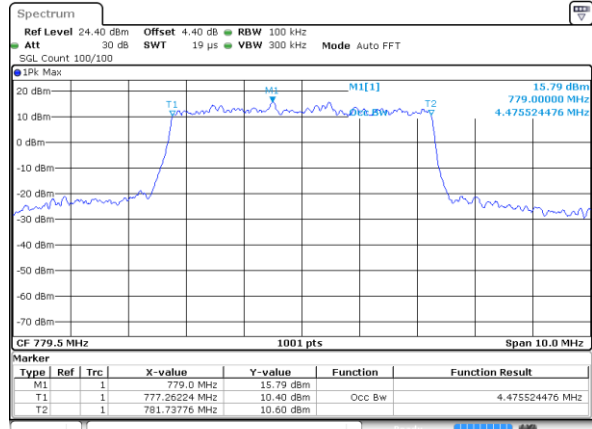
LTE Band 13

Lowest Channel / 5MHz / QPSK



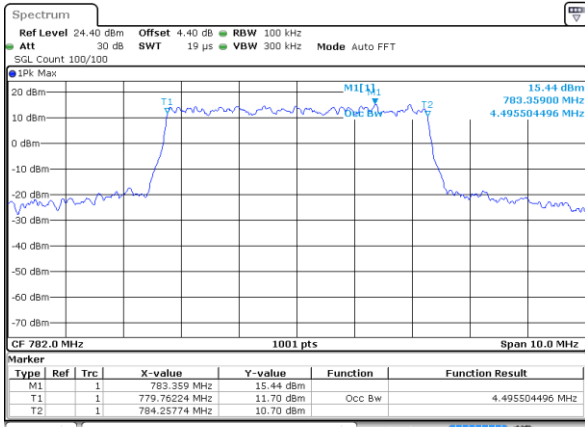
Date: 9 MAY 2018 08:56:38

Lowest Channel / 5MHz / 16QAM



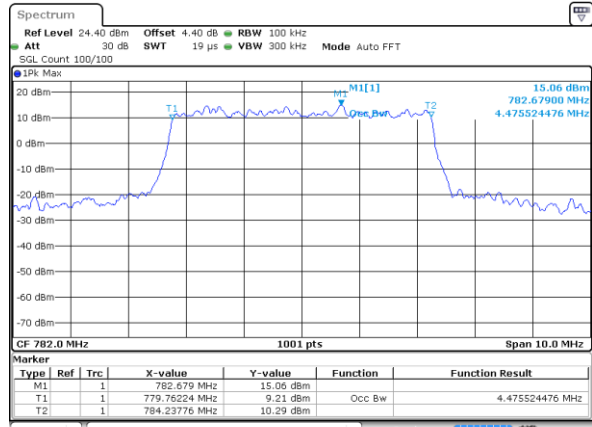
Date: 9 MAY 2018 08:56:28

Middle Channel / 5MHz / QPSK



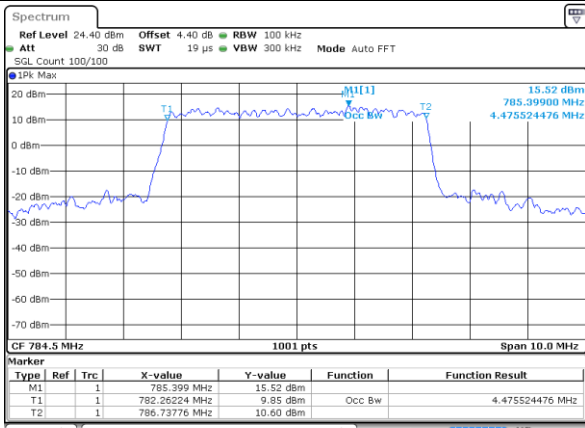
Date: 9 MAY 2018 09:05:33

Middle Channel / 5MHz / 16QAM



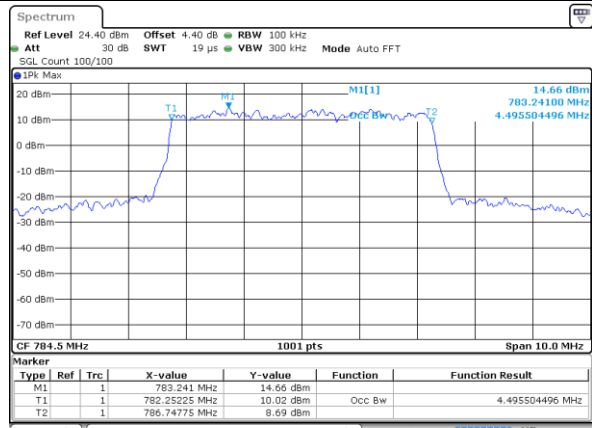
Date: 9 MAY 2018 09:05:44

Highest Channel / 5MHz / QPSK



Date: 9 MAY 2018 09:08:06

Highest Channel / 5MHz / 16QAM

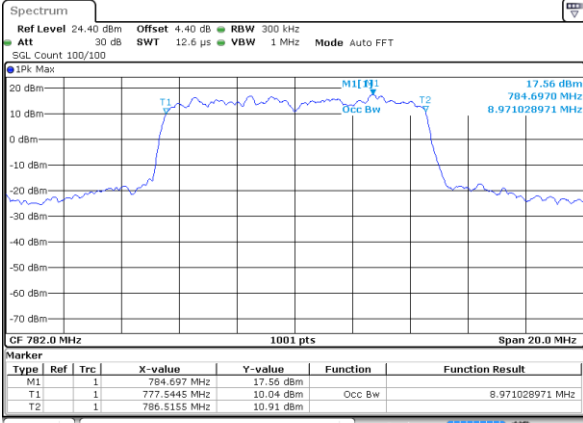


Date: 9 MAY 2018 09:08:17



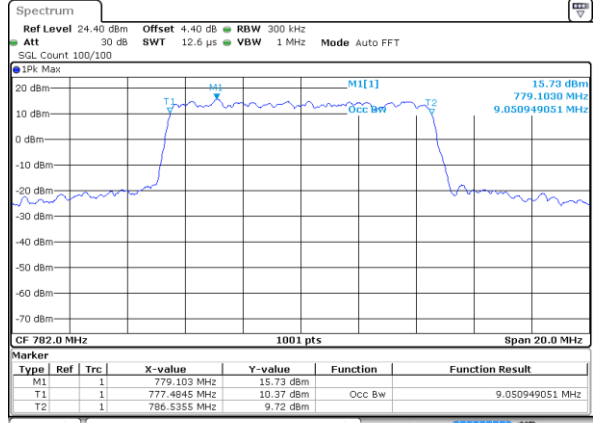
LTE Band 13

Middle Channel / 10MHz / QPSK



Date: 9 MAY 2018 09:19:01

Middle Channel / 10MHz / 16QAM



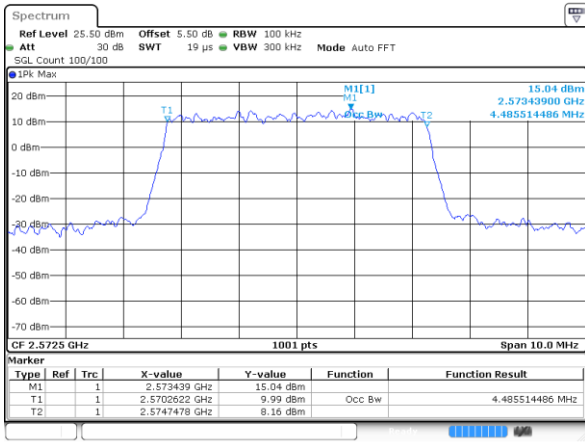
Date: 9 MAY 2018 09:19:12





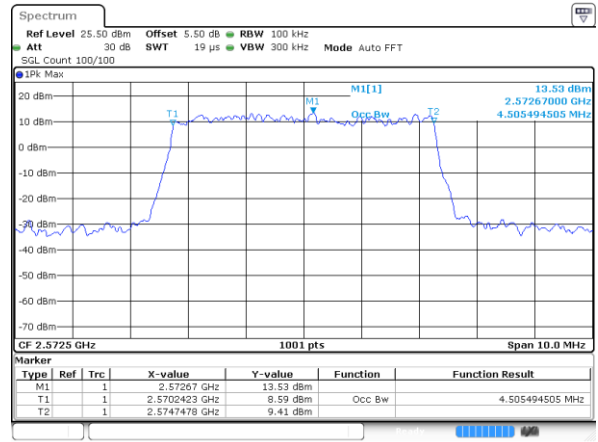
LTE Band 38

Lowest Channel / 5MHz / QPSK



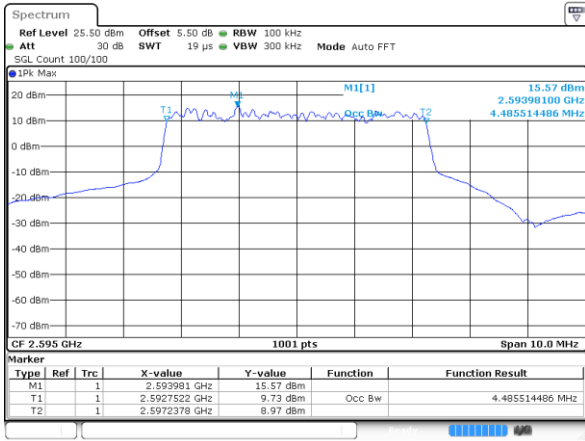
Date: 9 MAY 2018 09:44:40

Lowest Channel / 5MHz / 16QAM



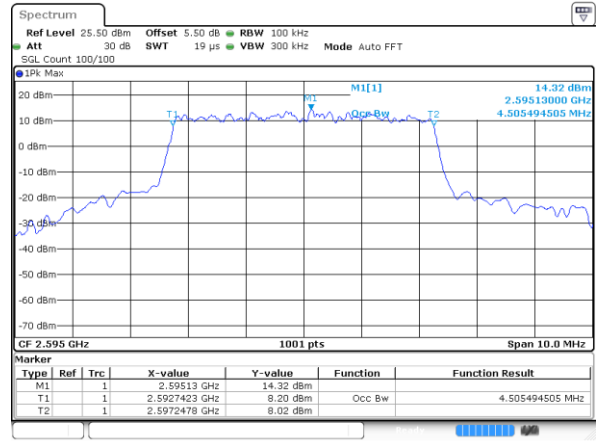
Date: 9 MAY 2018 09:44:51

Middle Channel / 5MHz / QPSK



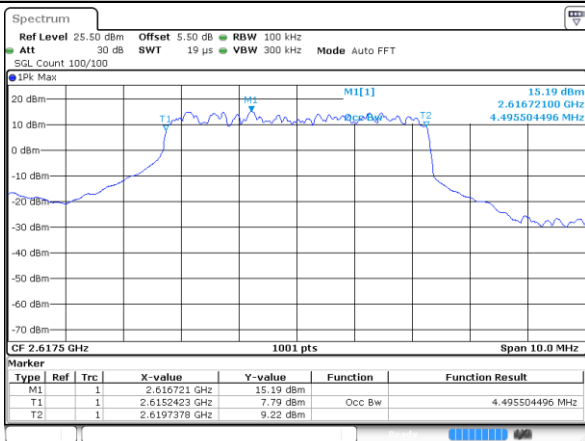
Date: 9 MAY 2018 09:45:22

Middle Channel / 5MHz / 16QAM



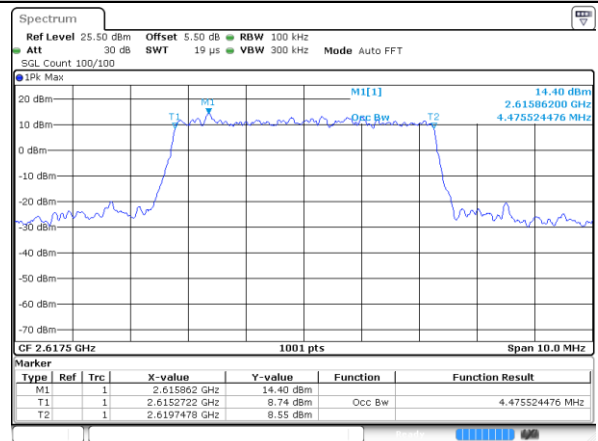
Date: 9 MAY 2018 09:45:33

Highest Channel / 5MHz / QPSK



Date: 9 MAY 2018 09:46:05

Highest Channel / 5MHz / 16QAM

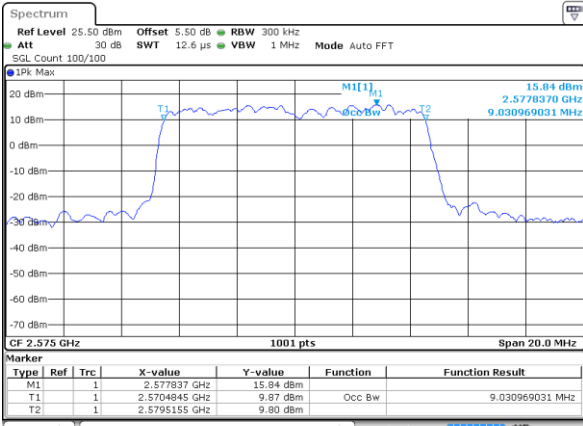


Date: 9 MAY 2018 09:46:16



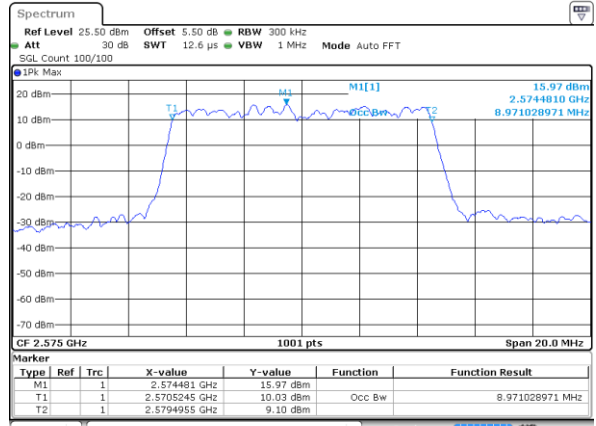
LTE Band 38

Lowest Channel / 10MHz / QPSK



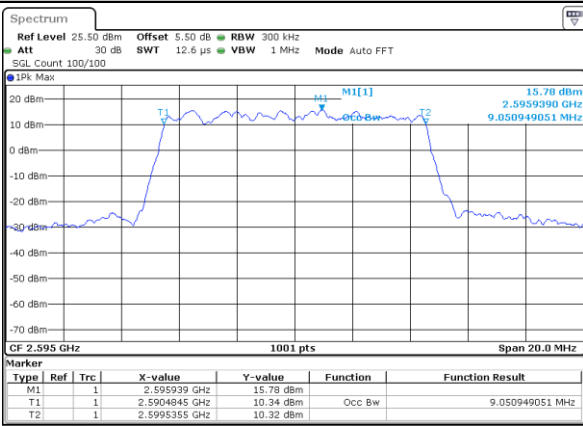
Date: 9 MAY 2018 09:46:48

Lowest Channel / 10MHz / 16QAM



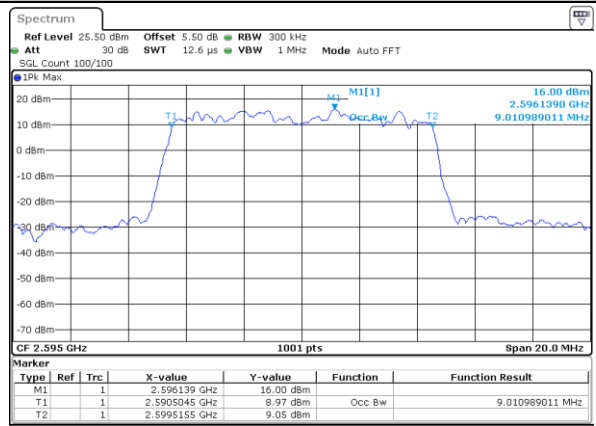
Date: 9 MAY 2018 09:46:58

Middle Channel / 10MHz / QPSK



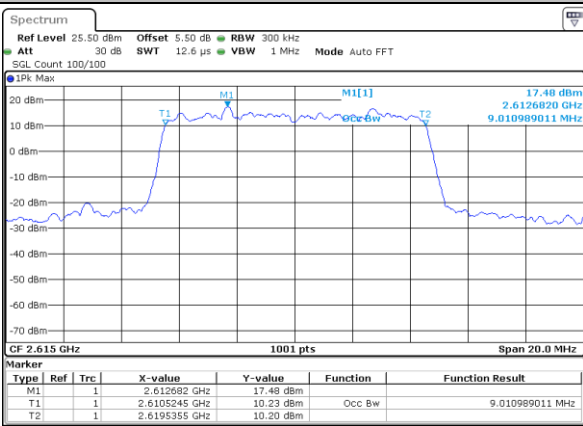
Date: 9 MAY 2018 09:47:30

Middle Channel / 10MHz / 16QAM



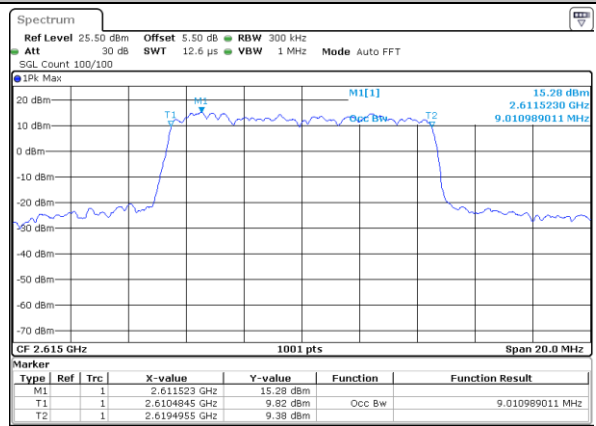
Date: 9 MAY 2018 09:47:41

Highest Channel / 10MHz / QPSK



Date: 9 MAY 2018 09:48:13

Highest Channel / 10MHz / 16QAM



Date: 9 MAY 2018 09:48:24