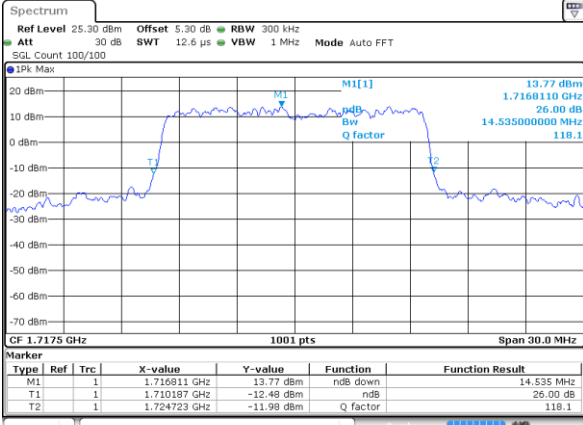




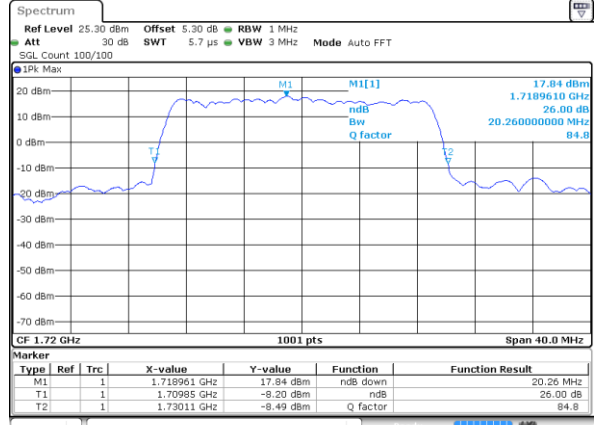
LTE Band 4

Lowest Channel / 15MHz / 64QAM



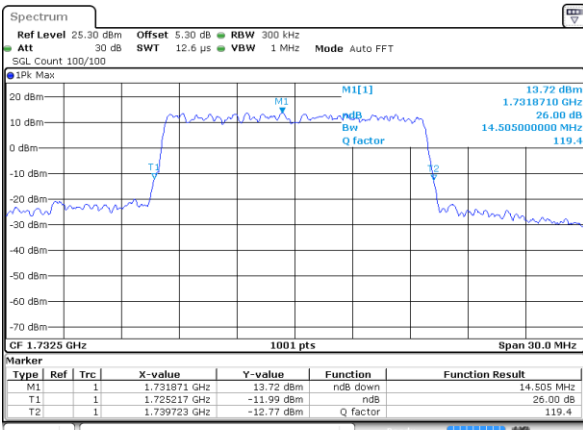
Date: 2 JUL 2017 18:08:55

Lowest Channel / 20MHz / 64QAM



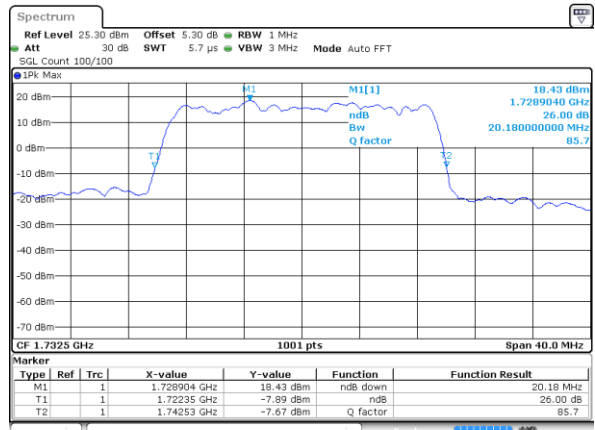
Date: 2 JUL 2017 18:25:00

Middle Channel / 15MHz / 64QAM



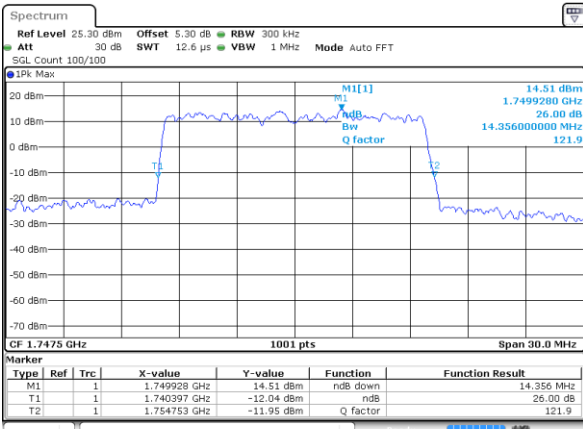
Date: 2 JUL 2017 18:09:15

Middle Channel / 20MHz / 64QAM



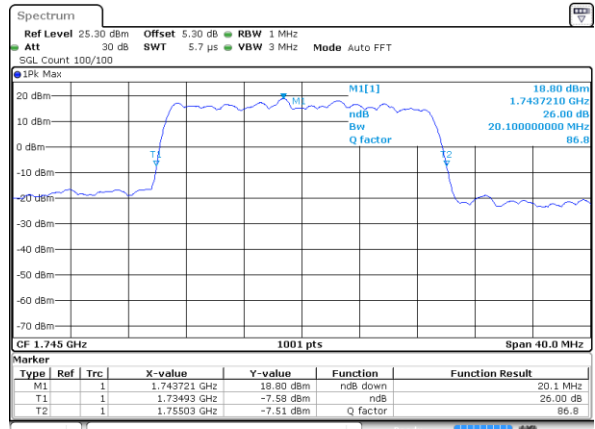
Date: 2 JUL 2017 18:24:40

Highest Channel / 15MHz / 64QAM



Date: 2 JUL 2017 18:09:35

Highest Channel / 20MHz / 64QAM

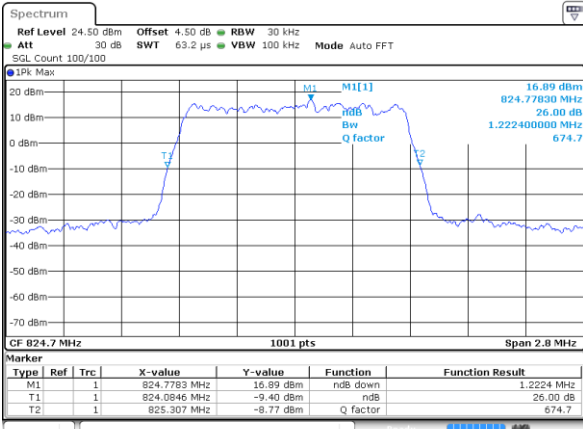


Date: 2 JUL 2017 18:24:20



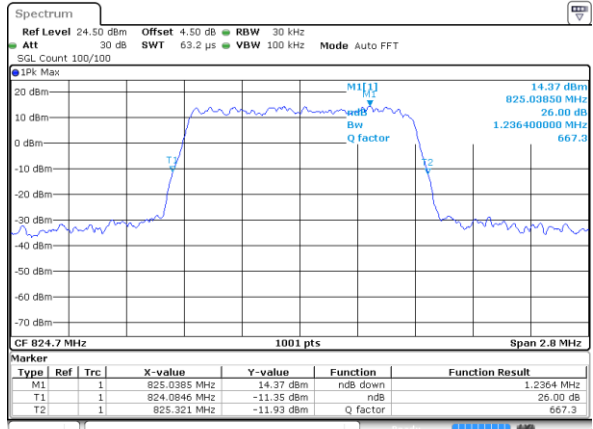
LTE Band 5

Lowest Channel / 1.4MHz / QPSK



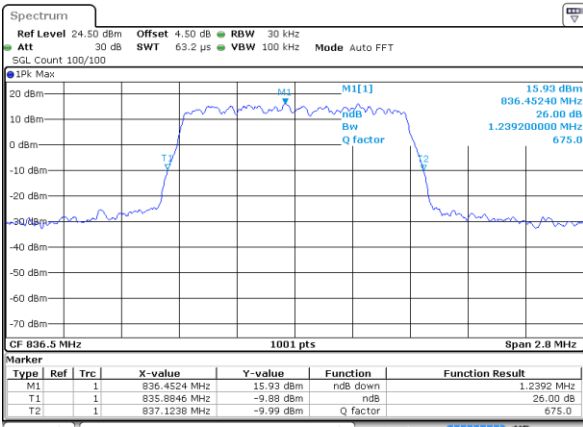
Date: 2 JUL 2017 21:28:22

Lowest Channel / 1.4MHz / 16QAM



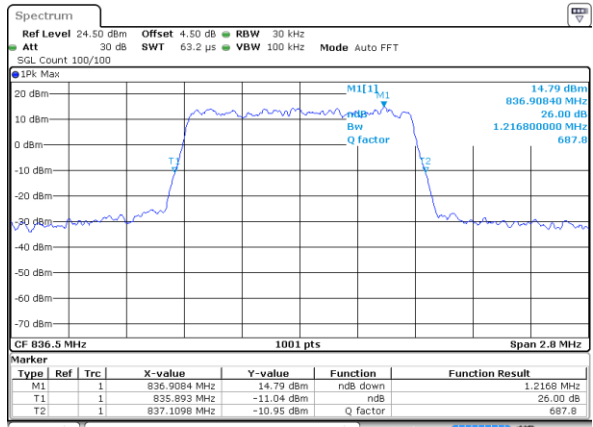
Date: 2 JUL 2017 21:28:12

Middle Channel / 1.4MHz / QPSK



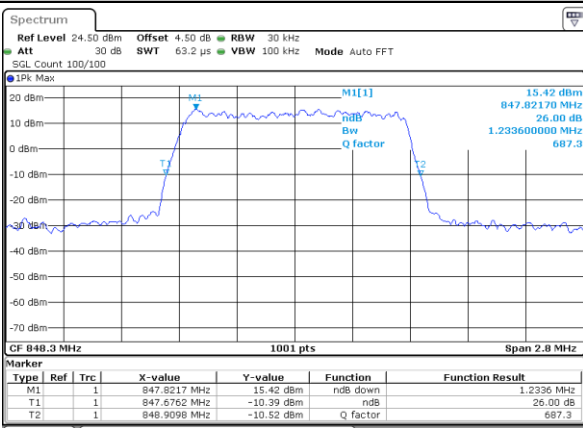
Date: 2 JUL 2017 21:37:10

Middle Channel / 1.4MHz / 16QAM



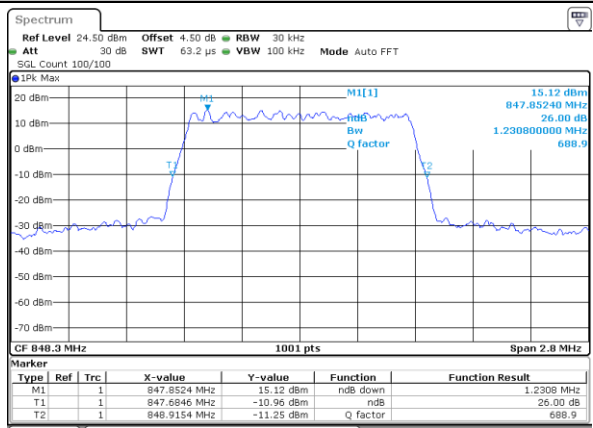
Date: 2 JUL 2017 21:37:20

Highest Channel / 1.4MHz / QPSK



Date: 2 JUL 2017 21:38:38

Highest Channel / 1.4MHz / 16QAM

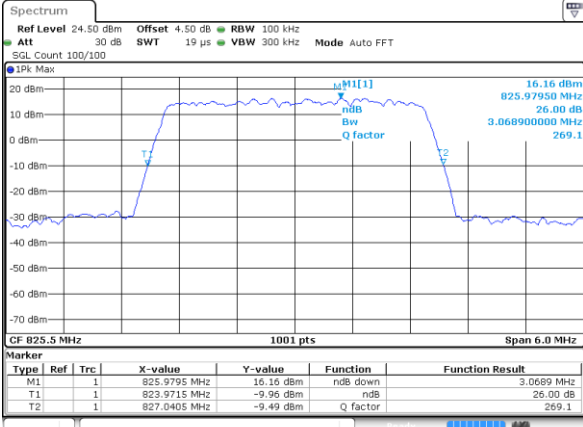


Date: 2 JUL 2017 21:38:48



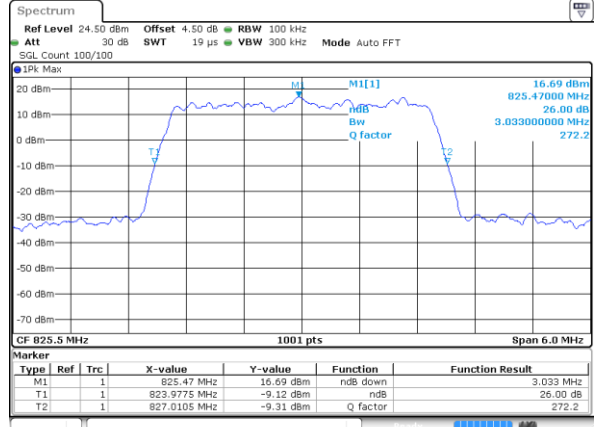
LTE Band 5

Lowest Channel / 3MHz / QPSK



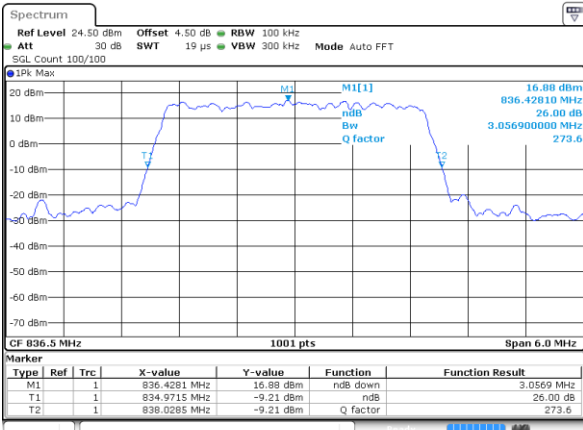
Date: 2 JUL 2017 21:48:36

Lowest Channel / 3MHz / 16QAM



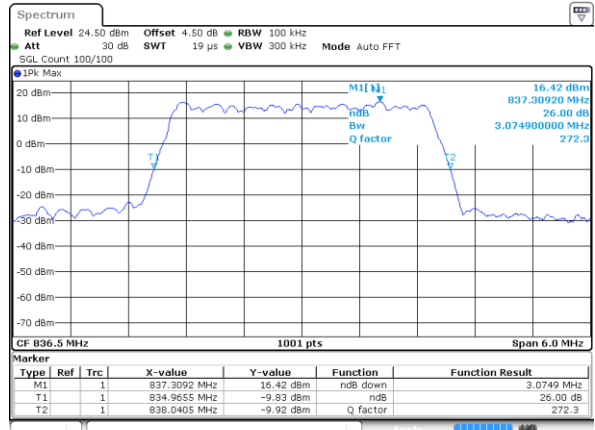
Date: 2 JUL 2017 21:48:46

Middle Channel / 3MHz / QPSK



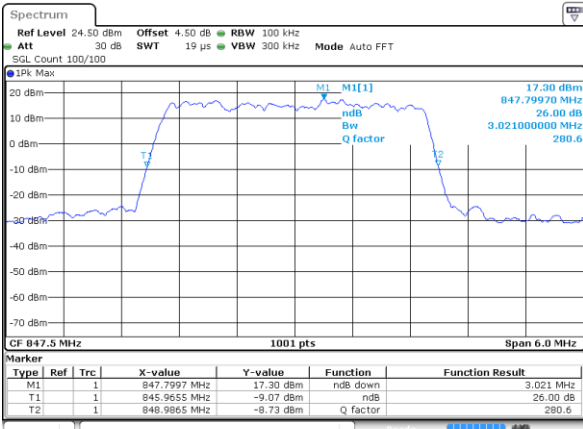
Date: 2 JUL 2017 21:57:35

Middle Channel / 3MHz / 16QAM



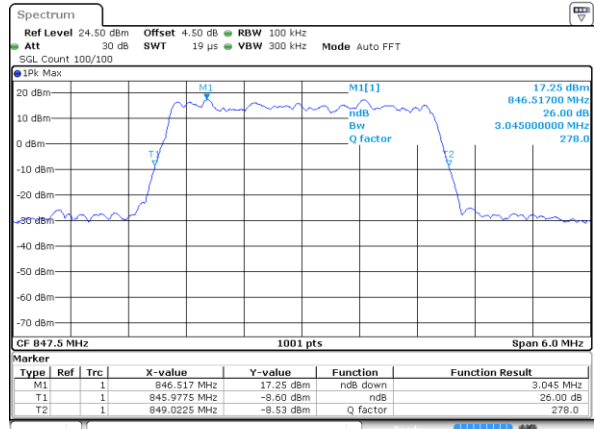
Date: 2 JUL 2017 21:57:45

Highest Channel / 3MHz / QPSK



Date: 2 JUL 2017 22:00:03

Highest Channel / 3MHz / 16QAM

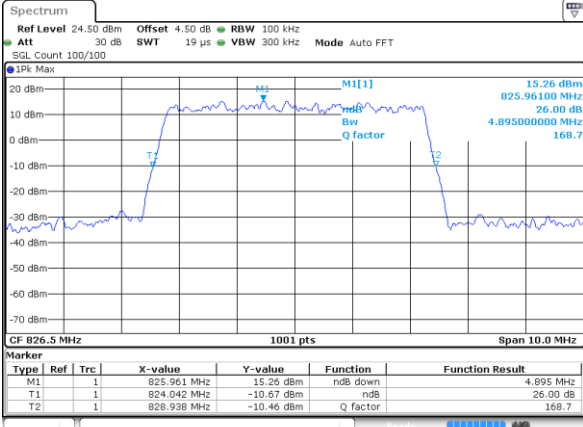


Date: 2 JUL 2017 22:00:13



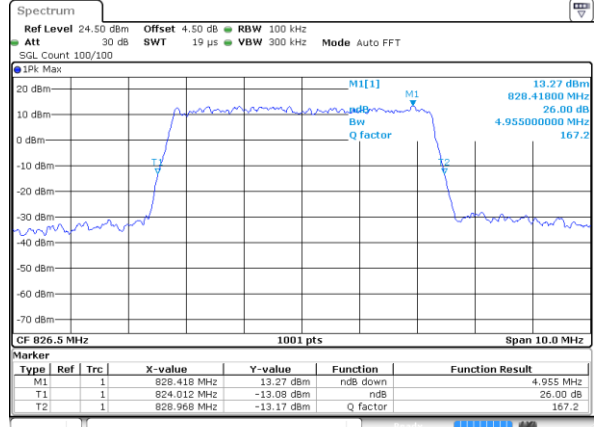
LTE Band 5

Lowest Channel / 5MHz / QPSK



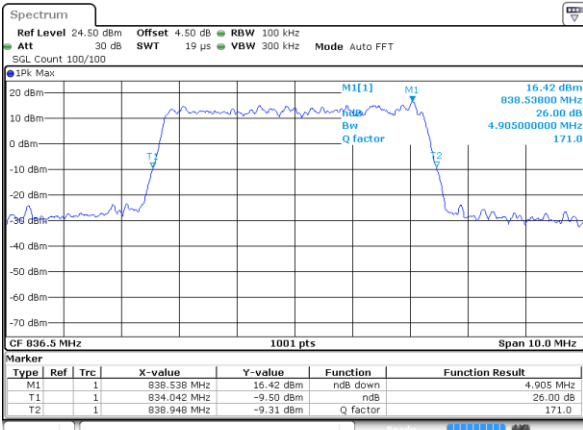
Date: 2 JUL 2017 22:09:01

Lowest Channel / 5MHz / 16QAM



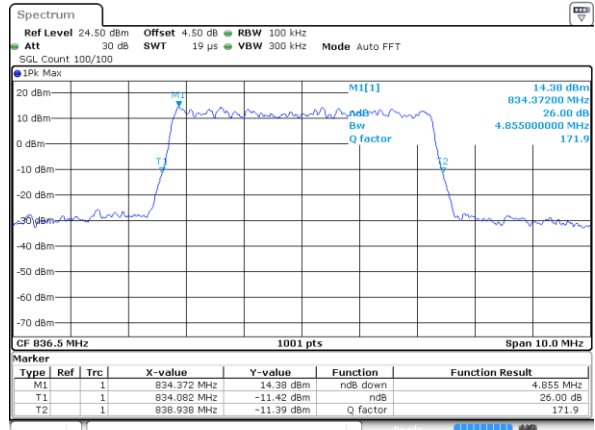
Date: 2 JUL 2017 22:09:11

Middle Channel / 5MHz / QPSK



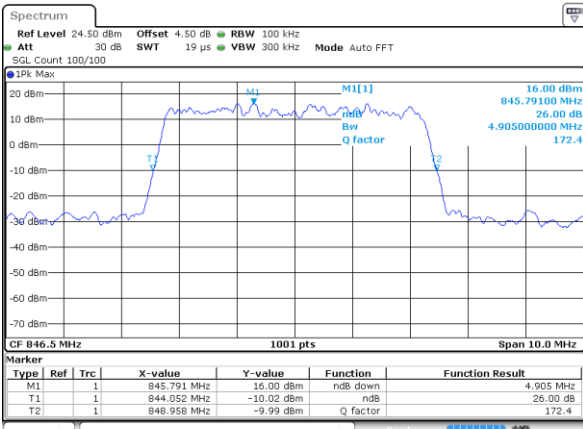
Date: 2 JUL 2017 22:17:59

Middle Channel / 5MHz / 16QAM



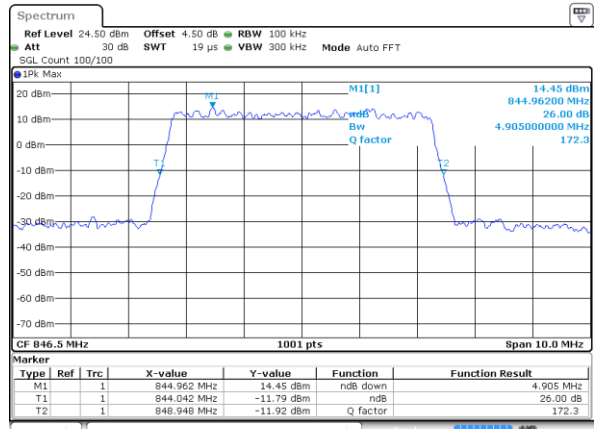
Date: 2 JUL 2017 22:18:09

Highest Channel / 5MHz / QPSK



Date: 2 JUL 2017 22:20:28

Highest Channel / 5MHz / 16QAM

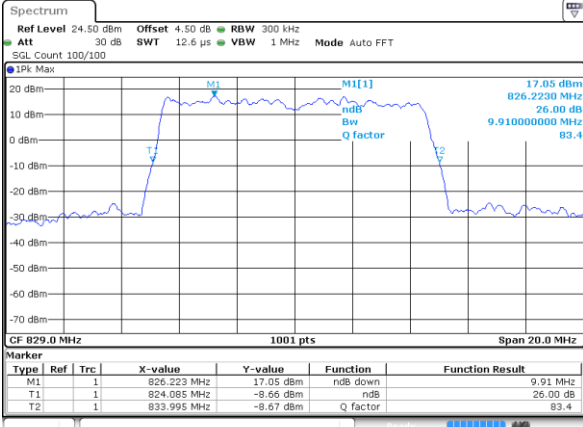


Date: 2 JUL 2017 22:20:38



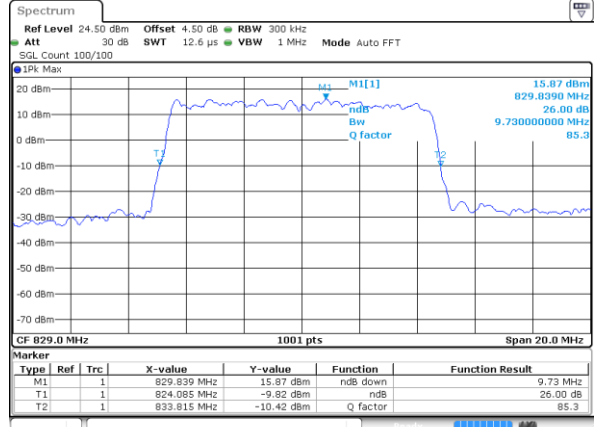
LTE Band 5

Lowest Channel / 10MHz / QPSK



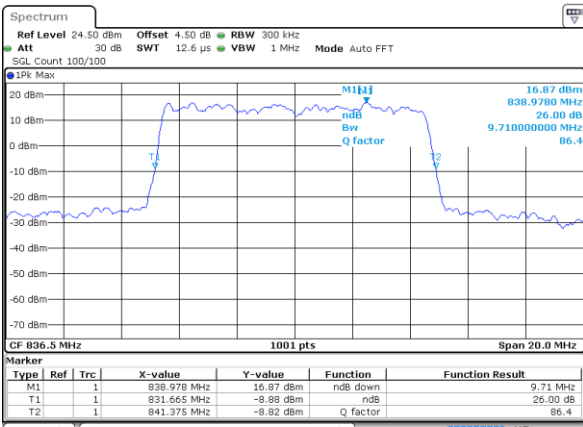
Date: 2 JUL 2017 22:29:26

Lowest Channel / 10MHz / 16QAM



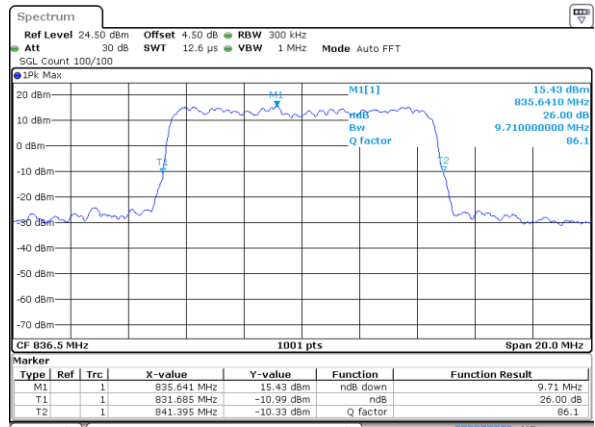
Date: 2 JUL 2017 22:29:36

Middle Channel / 10MHz / QPSK



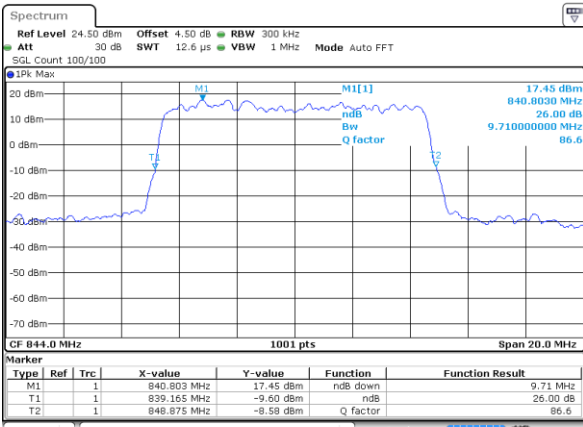
Date: 2 JUL 2017 22:38:24

Middle Channel / 10MHz / 16QAM



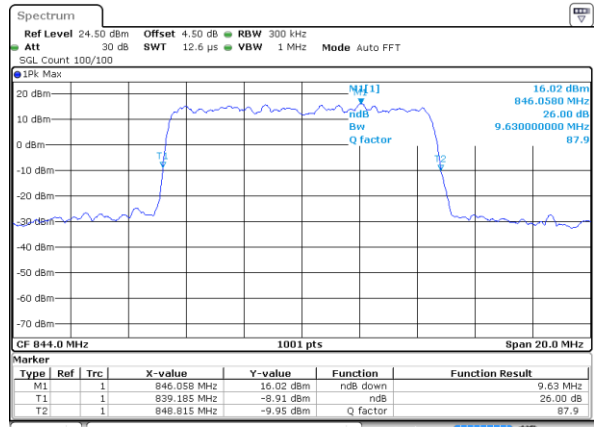
Date: 2 JUL 2017 22:38:34

Highest Channel / 10MHz / QPSK



Date: 2 JUL 2017 22:40:52

Highest Channel / 10MHz / 16QAM

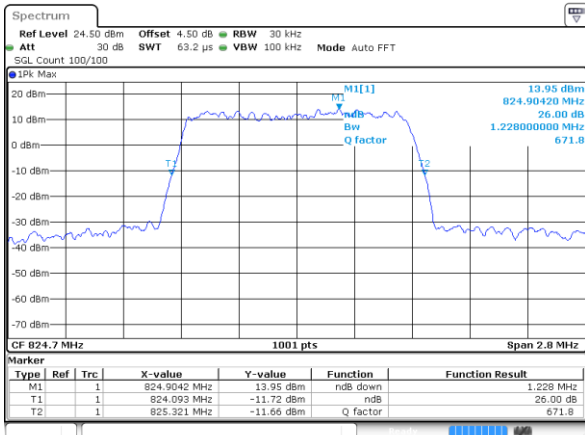


Date: 2 JUL 2017 22:41:02



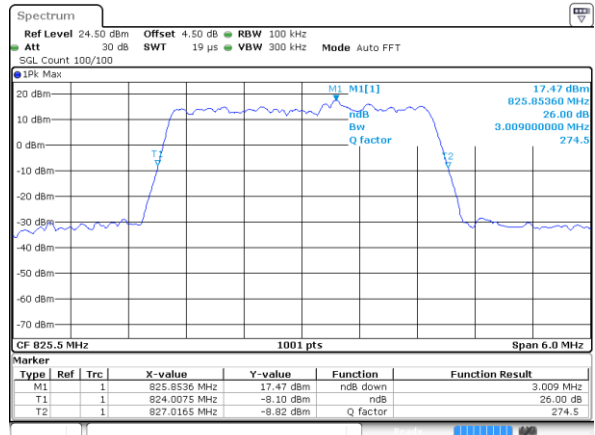
LTE Band 5

Lowest Channel / 1.4MHz / 64QAM



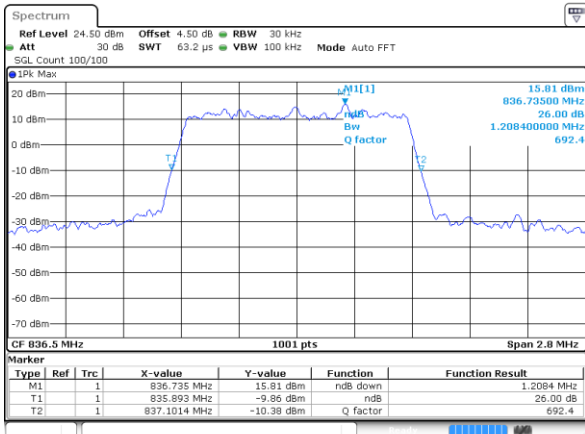
Date: 2 JUL 2017 22:58:54

Lowest Channel / 3MHz / 64QAM



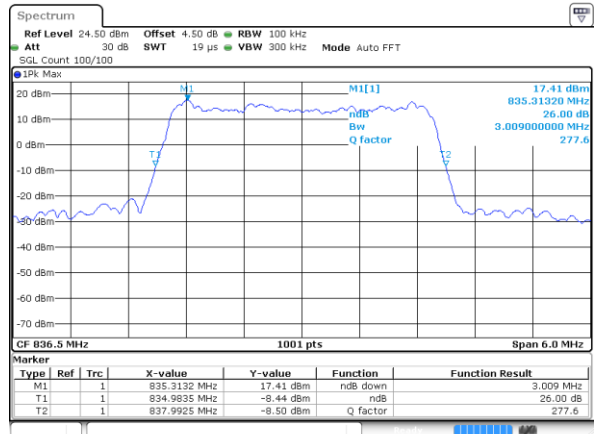
Date: 2 JUL 2017 23:09:06

Middle Channel / 1.4MHz / 64QAM



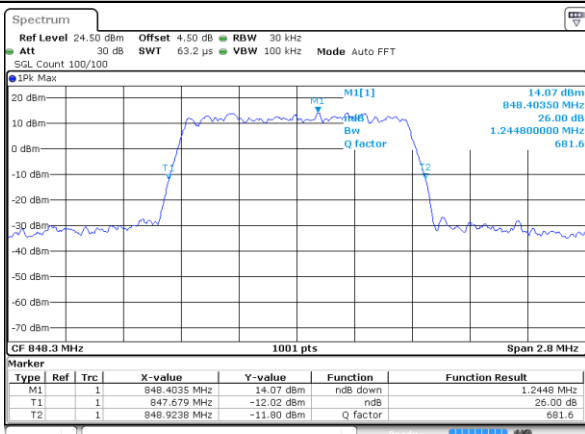
Date: 2 JUL 2017 23:03:23

Middle Channel / 3MHz / 64QAM



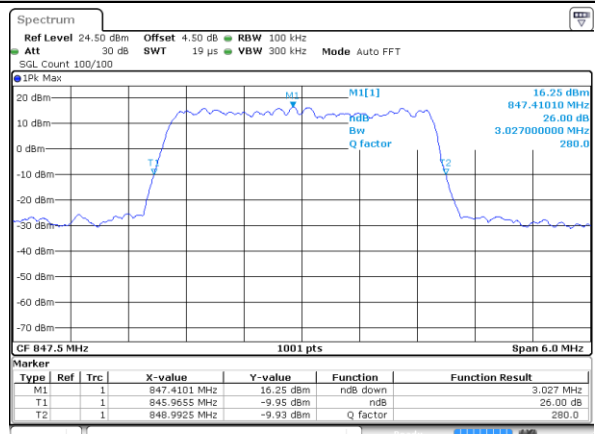
Date: 2 JUL 2017 23:13:35

Highest Channel / 1.4MHz / 64QAM



Date: 2 JUL 2017 23:04:37

Highest Channel / 3MHz / 64QAM

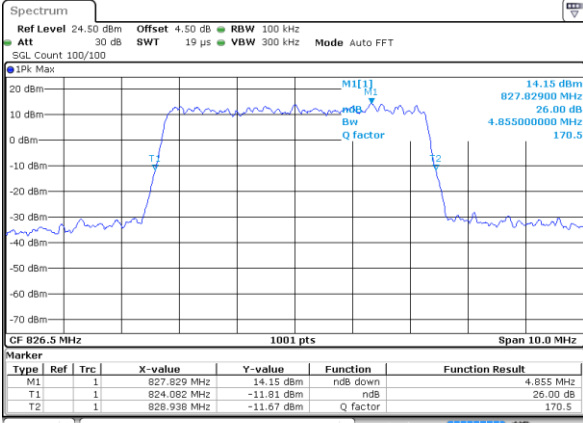


Date: 2 JUL 2017 23:14:50



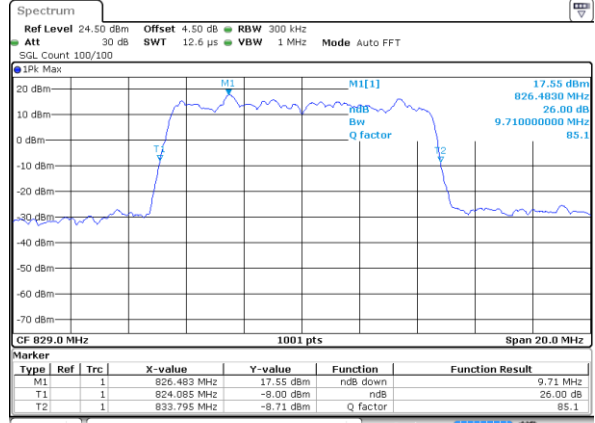
LTE Band 5

Lowest Channel / 5MHz / 64QAM



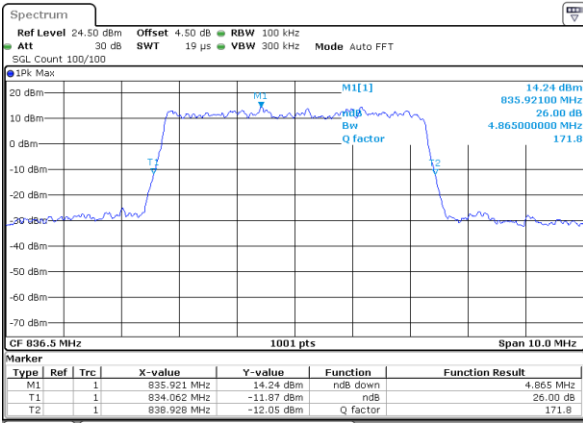
Date: 2 JUL 2017 23:19:19

Lowest Channel / 10MHz / 64QAM



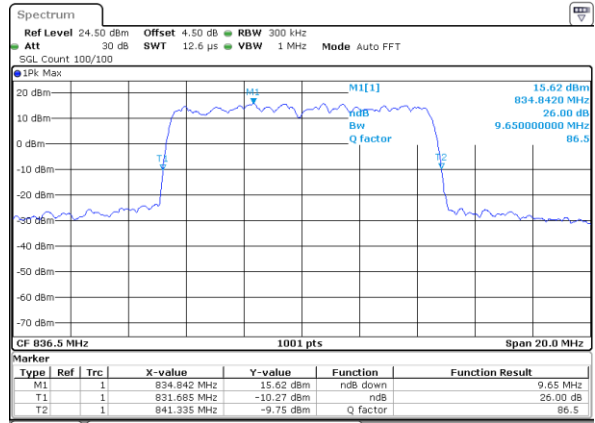
Date: 2 JUL 2017 23:29:31

Middle Channel / 5MHz / 64QAM



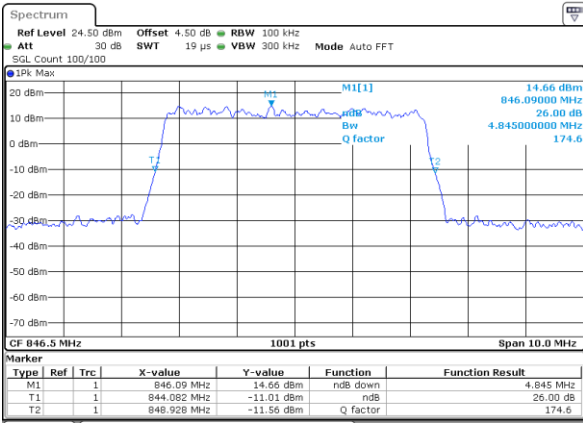
Date: 2 JUL 2017 23:23:48

Middle Channel / 10MHz / 64QAM



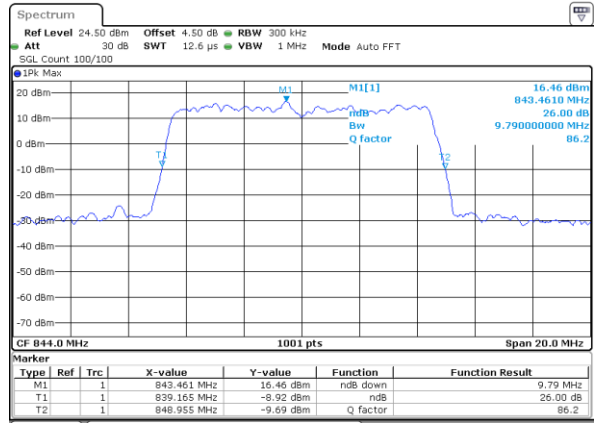
Date: 2 JUL 2017 23:34:00

Highest Channel / 5MHz / 64QAM



Date: 2 JUL 2017 23:25:02

Highest Channel / 10MHz / 64QAM

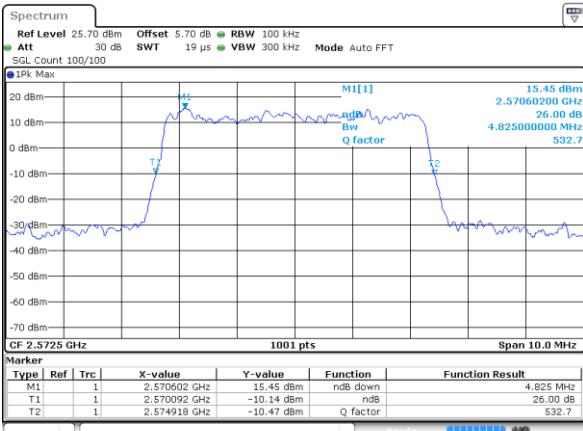


Date: 2 JUL 2017 23:35:14



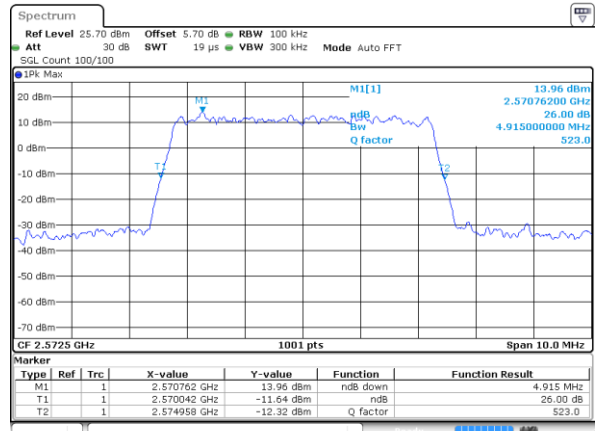
LTE Band 38

Lowest Channel / 5MHz / QPSK



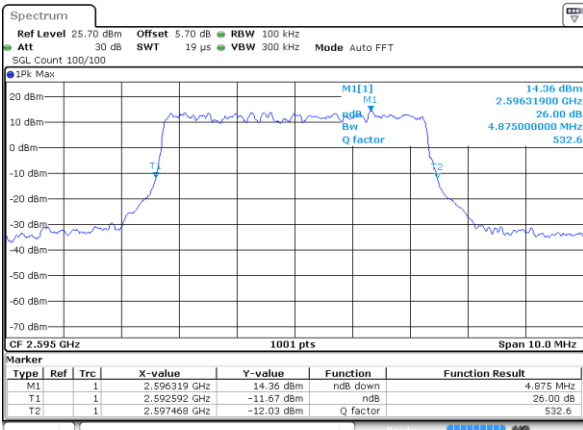
Date: 4 JUL 2017 18:08:28

Lowest Channel / 5MHz / 16QAM



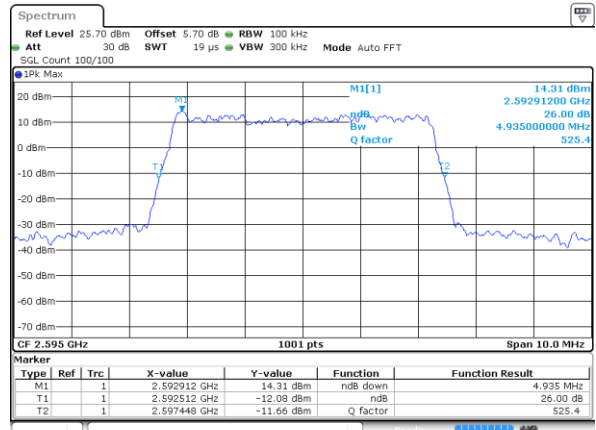
Date: 4 JUL 2017 18:08:38

Middle Channel / 5MHz / QPSK



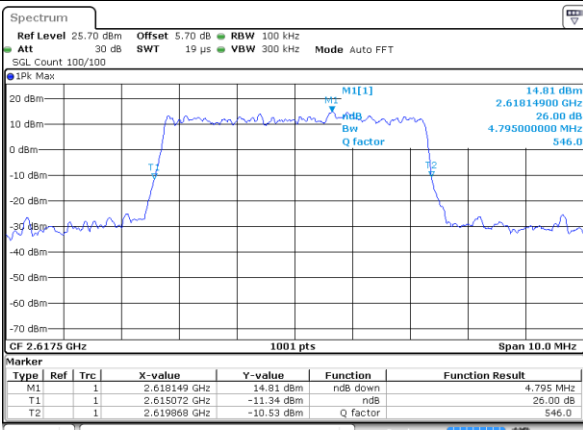
Date: 4 JUL 2017 18:09:08

Middle Channel / 5MHz / 16QAM



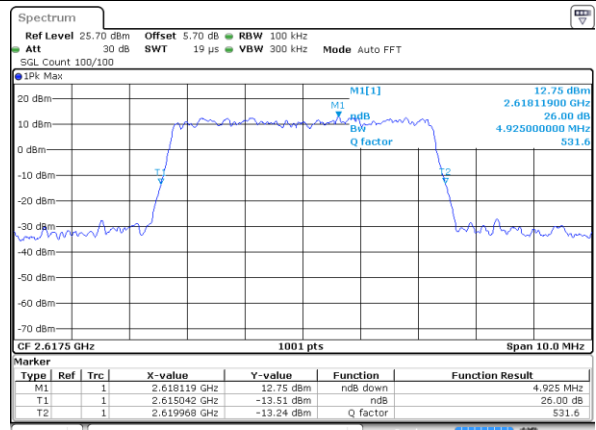
Date: 4 JUL 2017 18:09:18

Highest Channel / 5MHz / QPSK



Date: 4 JUL 2017 18:09:48

Highest Channel / 5MHz / 16QAM

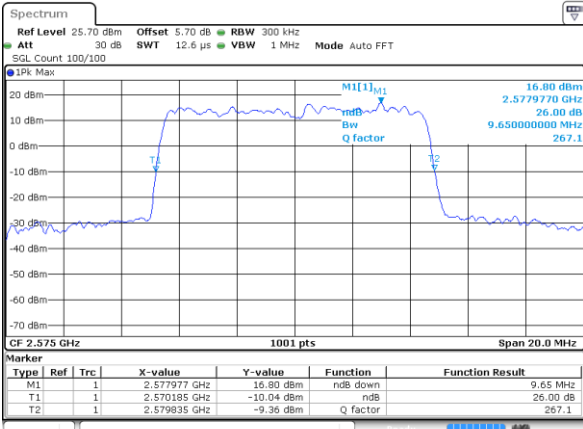


Date: 4 JUL 2017 18:09:58



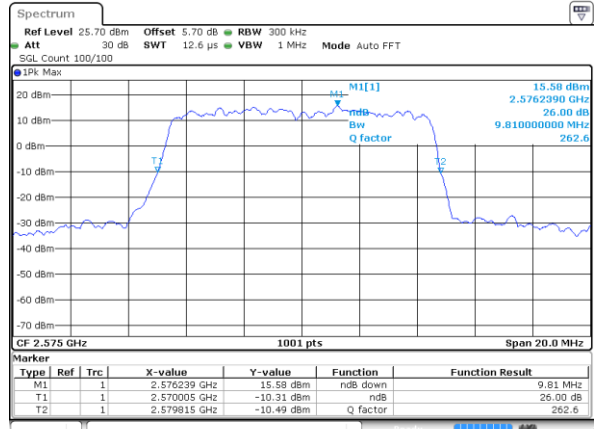
LTE Band 38

Lowest Channel / 10MHz / QPSK



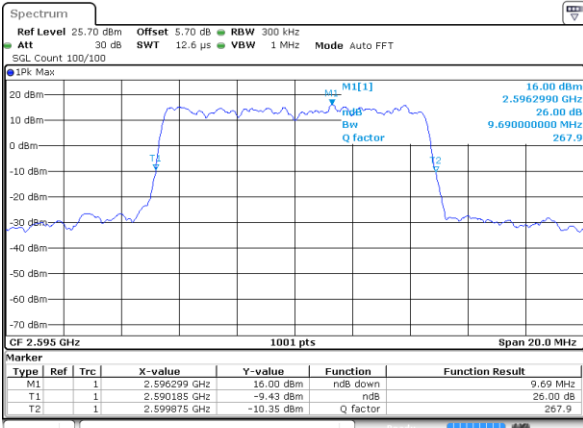
Date: 4 JUL 2017 18:10:27

Lowest Channel / 10MHz / 16QAM



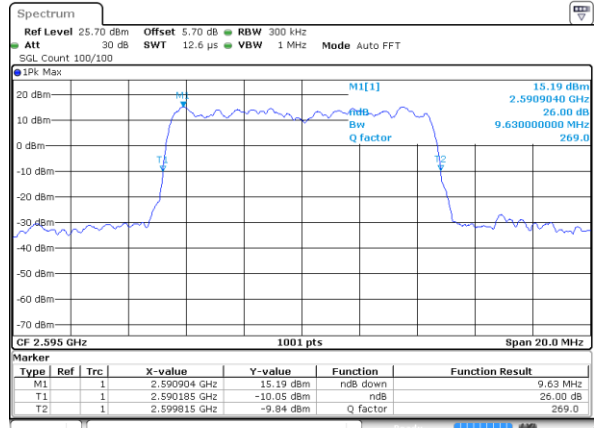
Date: 4 JUL 2017 18:10:37

Middle Channel / 10MHz / QPSK



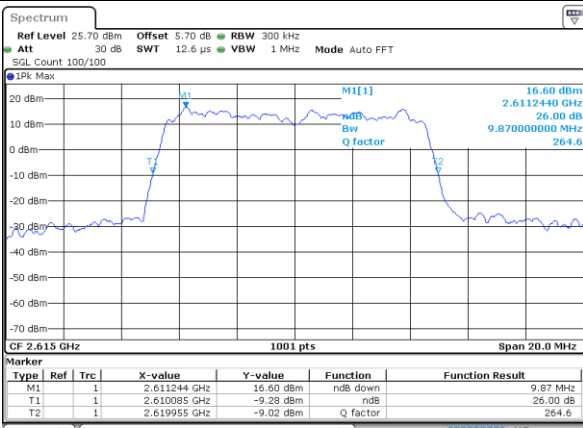
Date: 4 JUL 2017 18:11:07

Middle Channel / 10MHz / 16QAM



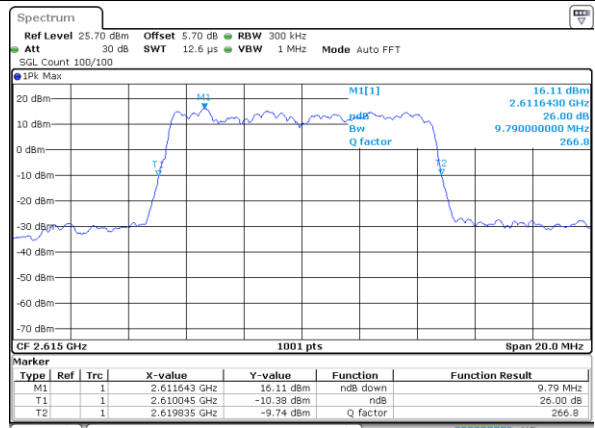
Date: 4 JUL 2017 18:11:17

Highest Channel / 10MHz / QPSK



Date: 4 JUL 2017 18:11:46

Highest Channel / 10MHz / 16QAM

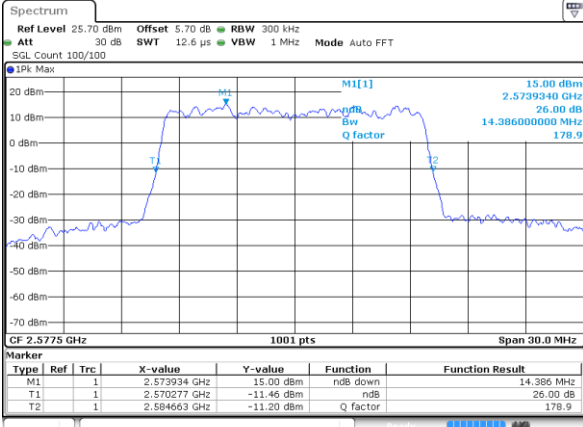


Date: 4 JUL 2017 18:11:56



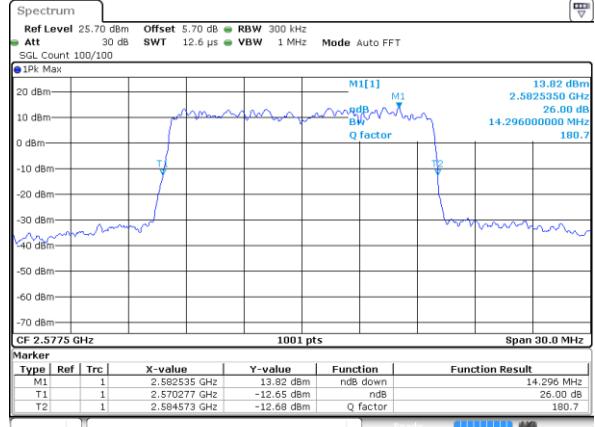
LTE Band 38

Lowest Channel / 15MHz / QPSK



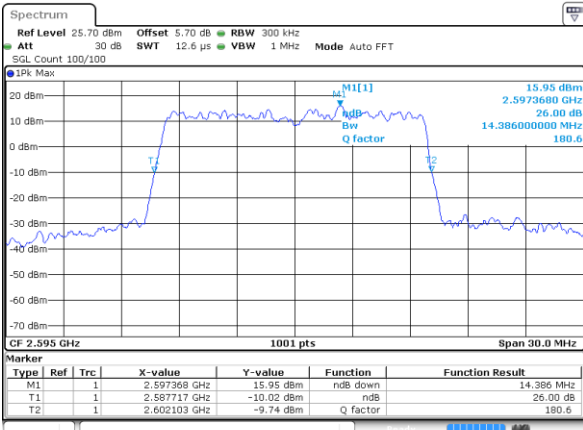
Date: 4 JUL 2017 18:12:26

Lowest Channel / 15MHz / 16QAM



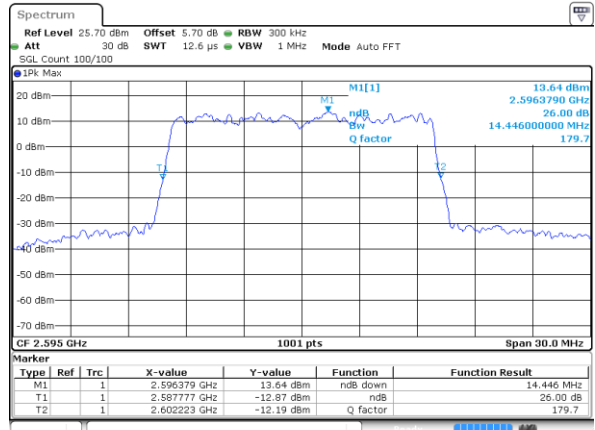
Date: 4 JUL 2017 18:12:36

Middle Channel / 15MHz / QPSK



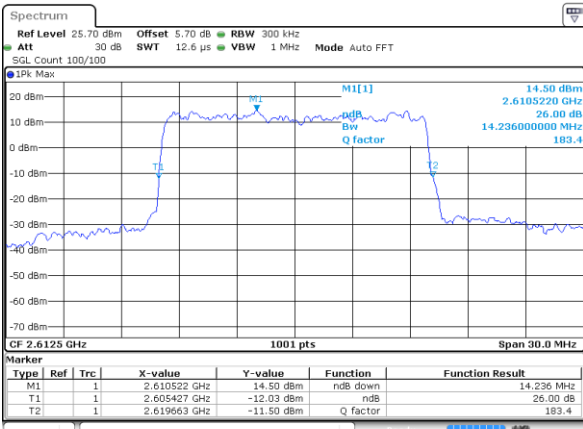
Date: 4 JUL 2017 18:13:06

Middle Channel / 15MHz / 16QAM



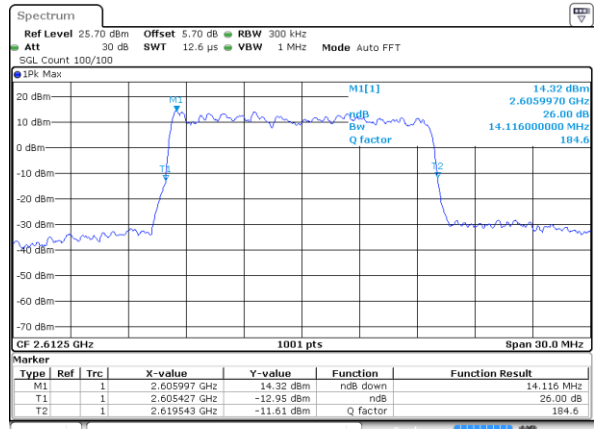
Date: 4 JUL 2017 18:13:16

Highest Channel / 15MHz / QPSK



Date: 4 JUL 2017 18:13:45

Highest Channel / 15MHz / 16QAM

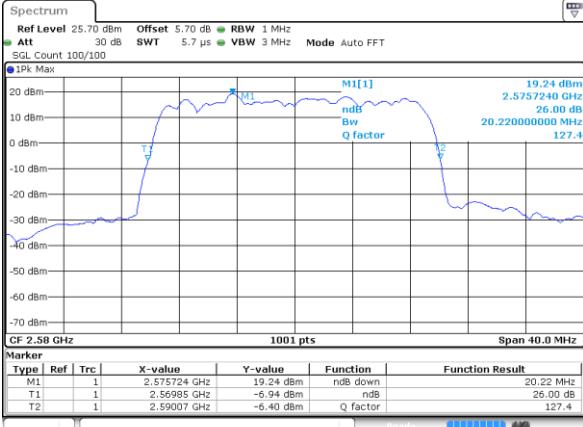


Date: 4 JUL 2017 18:13:55



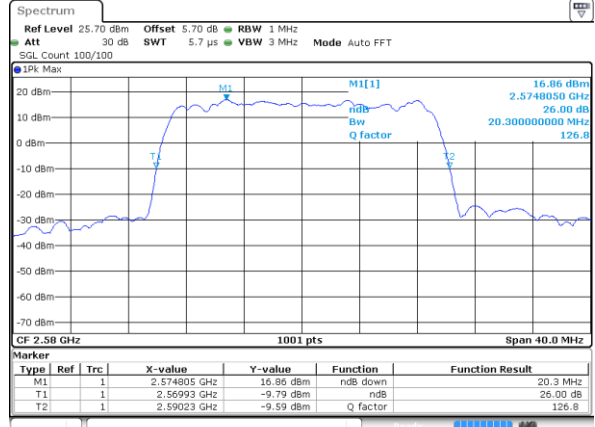
LTE Band 38

Lowest Channel / 20MHz / QPSK



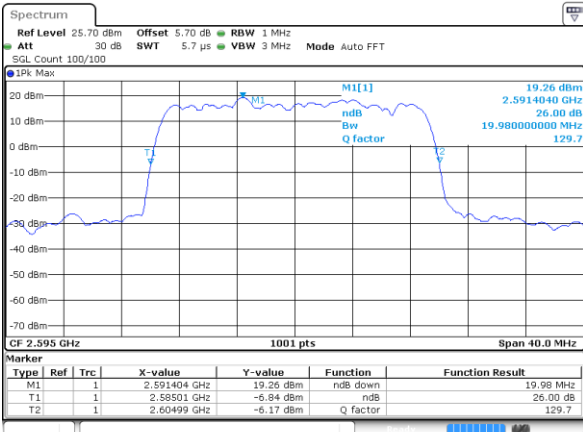
Date: 4 JUL 2017 18:14:25

Lowest Channel / 20MHz / 16QAM



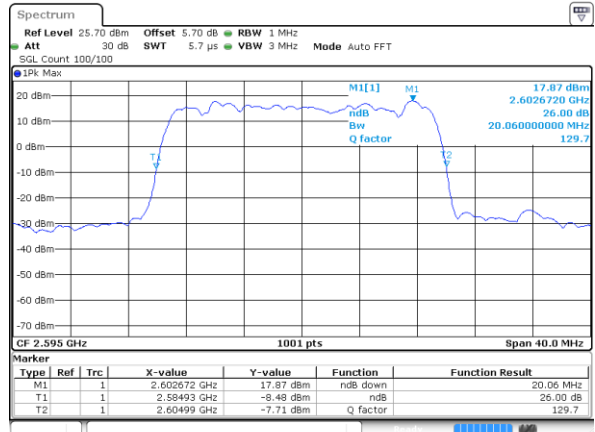
Date: 4 JUL 2017 18:14:35

Middle Channel / 20MHz / QPSK



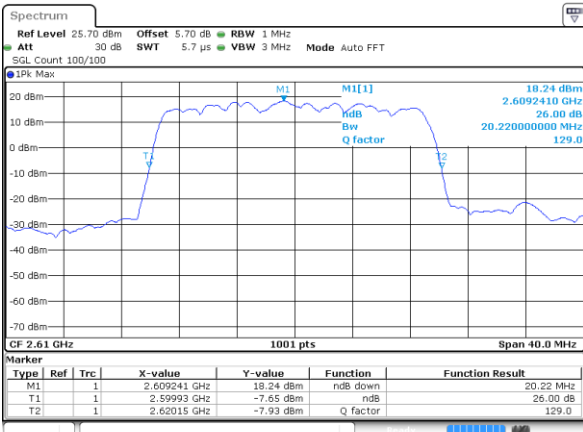
Date: 4 JUL 2017 18:15:04

Middle Channel / 20MHz / 16QAM



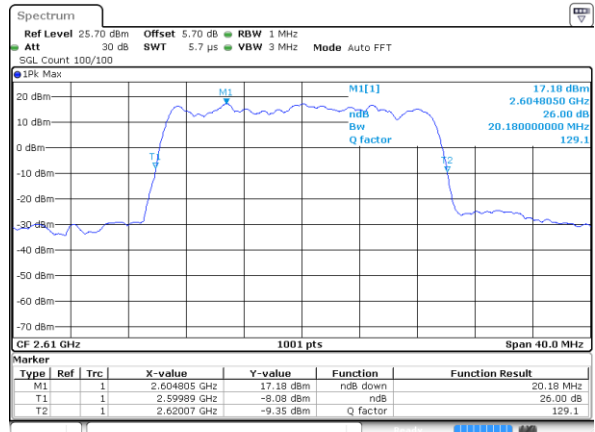
Date: 4 JUL 2017 18:15:14

Highest Channel / 20MHz / QPSK



Date: 4 JUL 2017 18:15:44

Highest Channel / 20MHz / 16QAM

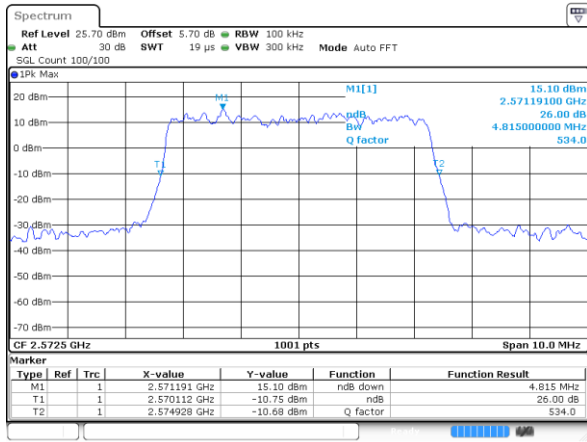


Date: 4 JUL 2017 18:15:54

LTE Band 38

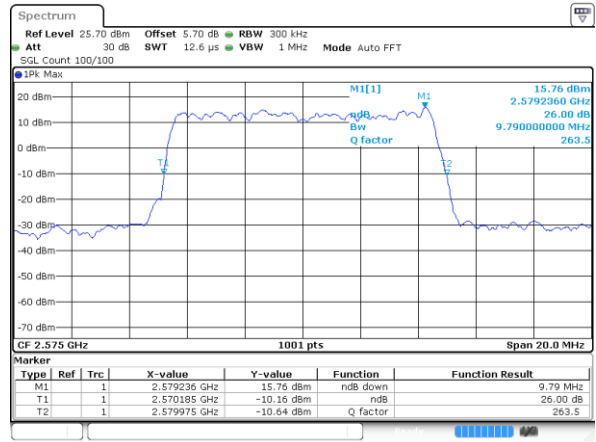


Lowest Channel / 5MHz / 64QAM



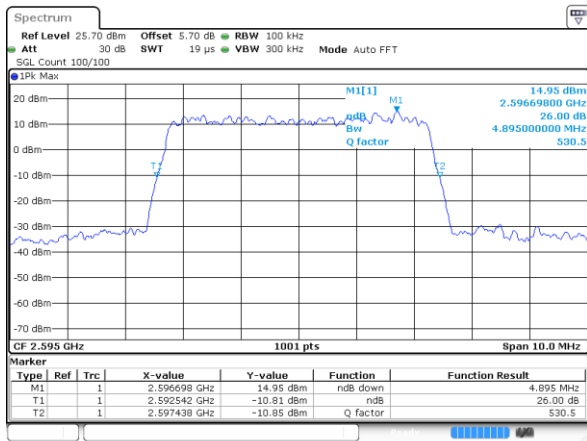
Date: 4 JUL 2017 18:16:14

Lowest Channel / 10MHz / 64QAM



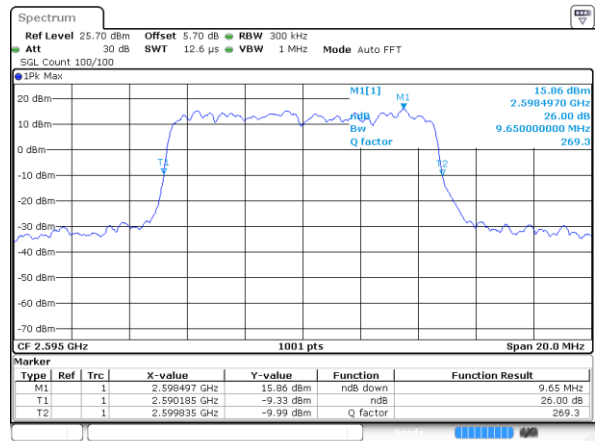
Date: 4 JUL 2017 18:17:13

Middle Channel / 5MHz / 64QAM



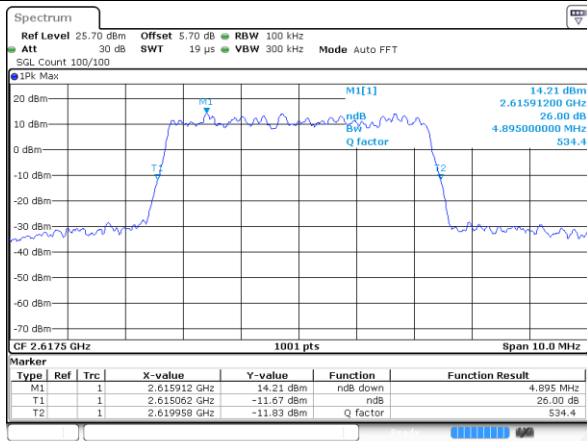
Date: 4 JUL 2017 18:16:33

Middle Channel / 10MHz / 64QAM



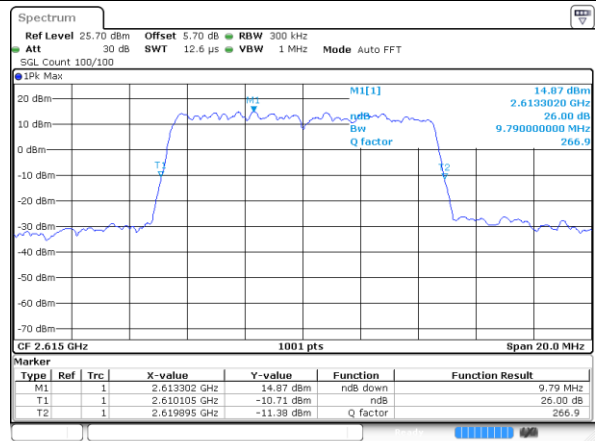
Date: 4 JUL 2017 18:17:33

Highest Channel / 5MHz / 64QAM



Date: 4 JUL 2017 18:16:53

Highest Channel / 10MHz / 64QAM

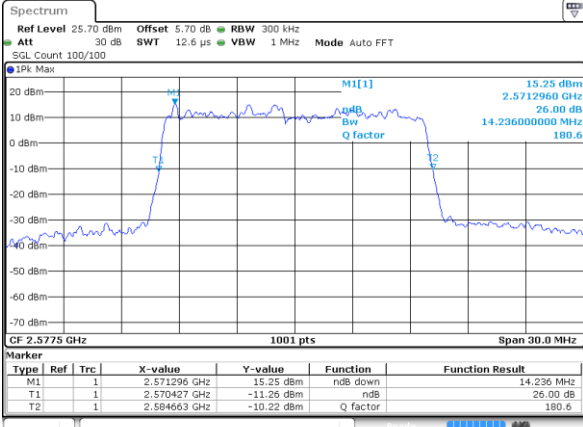


Date: 4 JUL 2017 18:17:53



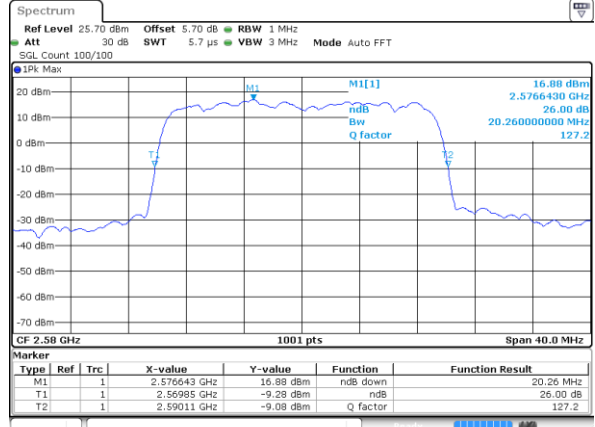
LTE Band 38

Lowest Channel / 15MHz / 64QAM



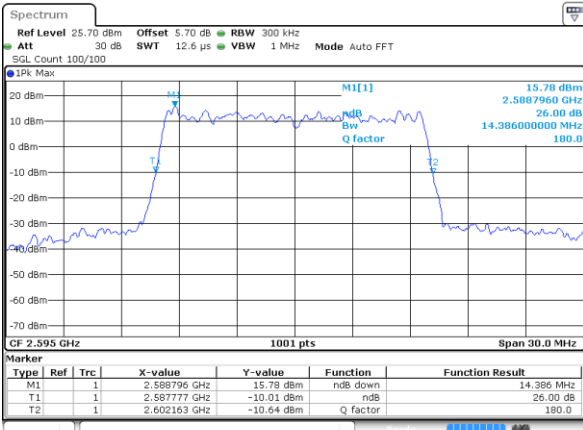
Date: 4 JUL 2017 18:18:12

Lowest Channel / 20MHz / 64QAM



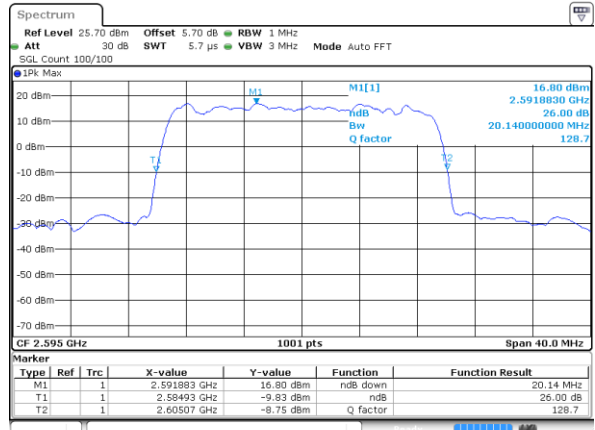
Date: 4 JUL 2017 18:19:12

Middle Channel / 15MHz / 64QAM



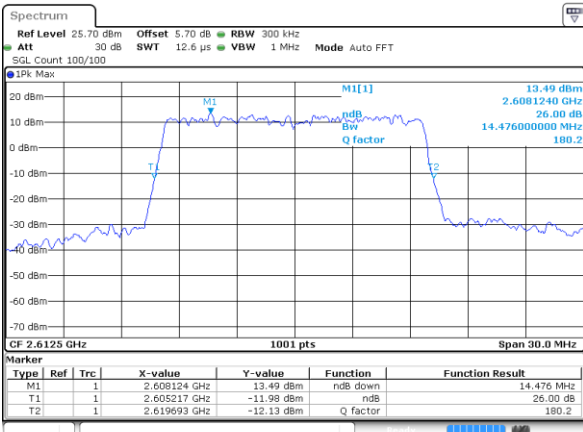
Date: 4 JUL 2017 18:18:32

Middle Channel / 20MHz / 64QAM



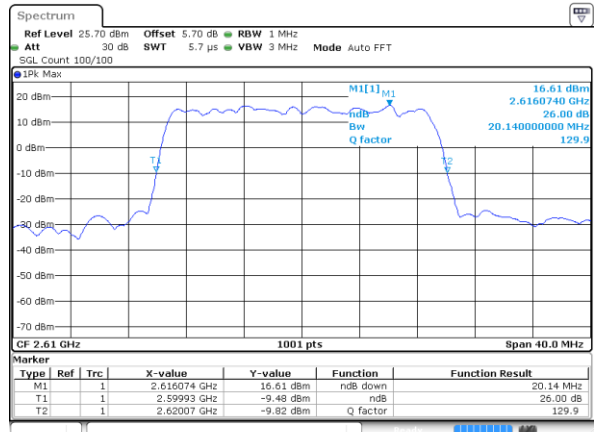
Date: 4 JUL 2017 18:19:32

Highest Channel / 15MHz / 64QAM



Date: 4 JUL 2017 18:18:52

Highest Channel / 20MHz / 64QAM



Date: 4 JUL 2017 18:19:51



Occupied Bandwidth

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	1.09	1.1	2.72	2.73	4.49	4.5	9.05	9.03	13.4	13.43	18.38	18.38
Middle CH	1.1	1.09	2.72	2.71	4.51	4.5	8.99	9.01	13.43	13.43	18.34	18.3
Highest CH	1.1	1.09	2.73	2.7	4.51	4.5	9.07	9.01	13.46	13.4	18.34	18.34
BW	1.4MHz	3MHz	5MHz	10MHz	15MHz	20MHz						
Mod.	64QAM	64QAM	64QAM	64QAM	64QAM	64QAM						
Lowest CH	1.09	2.72	4.5	9.03	13.49	18.58						
Middle CH	1.09	2.72	4.5	9.01	13.43	18.34						
Highest CH	1.09	2.72	4.9	9.03	13.46	18.34						

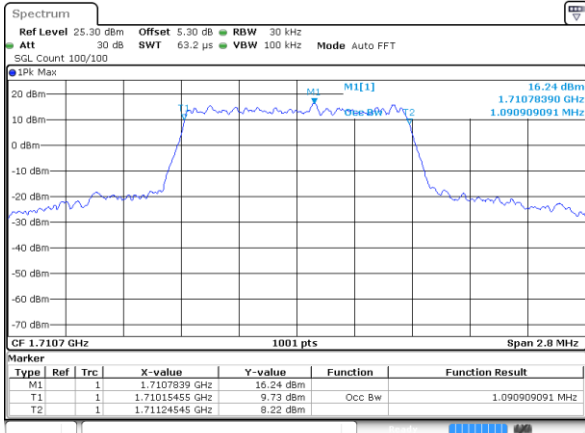
Mode	LTE Band 5 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		1.4MHz	3MHz	5MHz	10MHz
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM	64QAM	64QAM
Lowest CH	1.09	1.09	2.73	2.72	4.47	4.47	9.05	9.03	1.09	2.74	4.5	9.01
Middle CH	1.1	1.09	2.73	2.72	4.49	4.47	9.15	9.01	1.09	2.73	4.48	9.05
Highest CH	1.09	1.09	2.71	2.73	4.48	4.5	9.05	8.97	1.09	2.74	4.47	9.05

Mode	LTE Band 38 : 99%OBW(MHz)											
	5MHz		10MHz		15MHz		20MHz		5MHz	10MHz	15MHz	20MHz
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM	64QAM	64QAM
Lowest CH	4.48	4.49	9.03	9.03	13.52	13.37	18.38	18.22	4.48	9.01	13.46	18.38
Middle CH	4.49	4.51	9.05	9.01	13.43	13.46	18.18	18.26	4.49	9.13	13.43	18.26
Highest CH	4.52	4.5	8.99	8.99	13.46	13.43	18.3	18.22	4.49	9.05	13.43	18.34



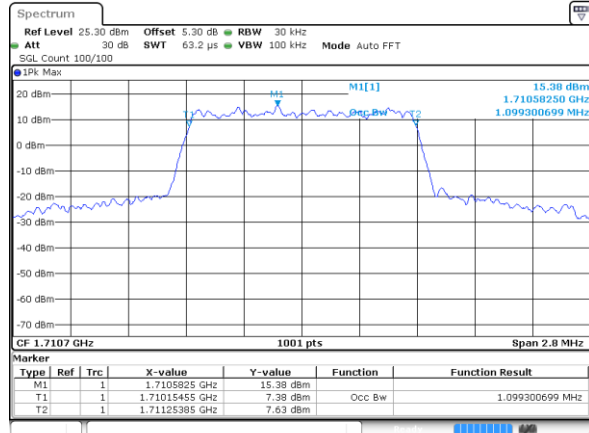
LTE Band 4

Lowest Channel / 1.4MHz / QPSK



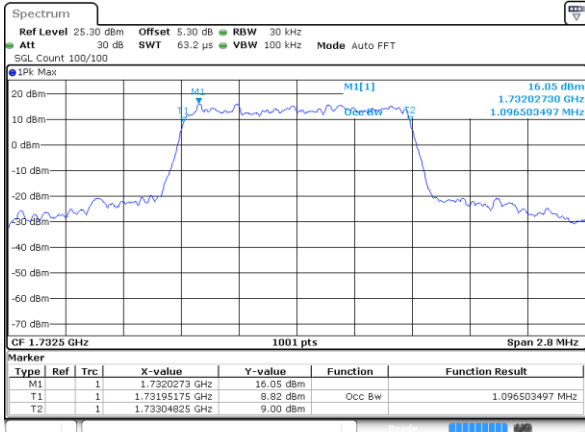
Date: 2 JUL 2017 15:04:47

Lowest Channel / 1.4MHz / 16QAM



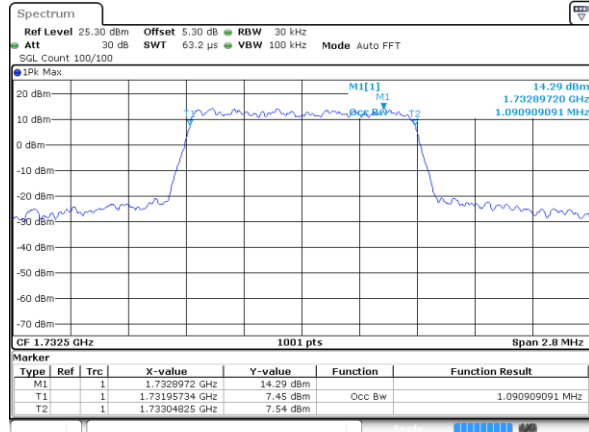
Date: 2 JUL 2017 15:04:57

Middle Channel / 1.4MHz / QPSK



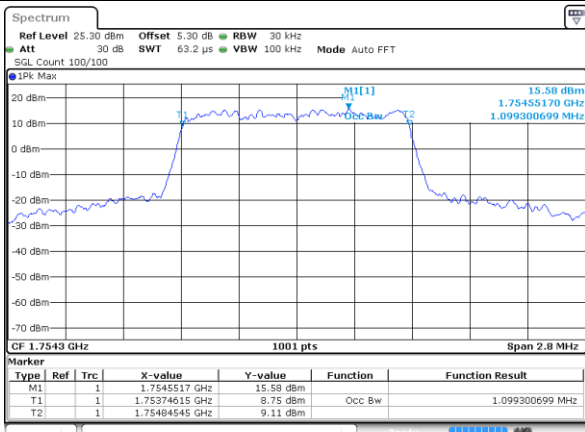
Date: 2 JUL 2017 15:11:45

Middle Channel / 1.4MHz / 16QAM



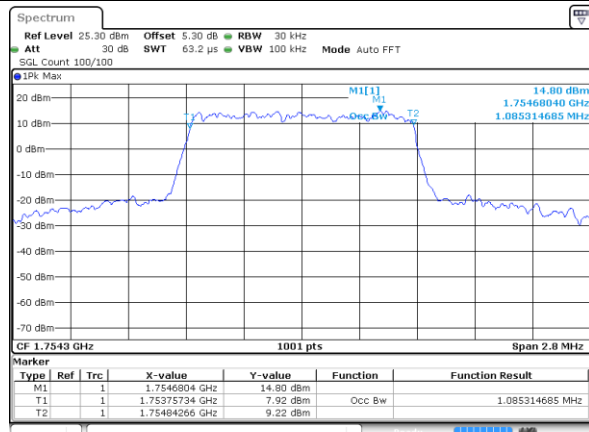
Date: 2 JUL 2017 15:11:55

Highest Channel / 1.4MHz / QPSK



Date: 2 JUL 2017 15:14:14

Highest Channel / 1.4MHz / 16QAM

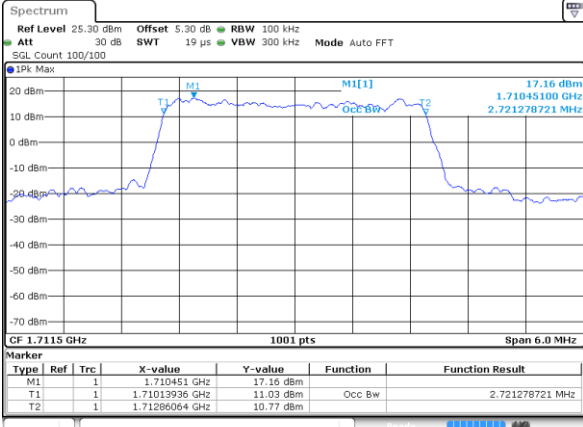


Date: 2 JUL 2017 15:14:24



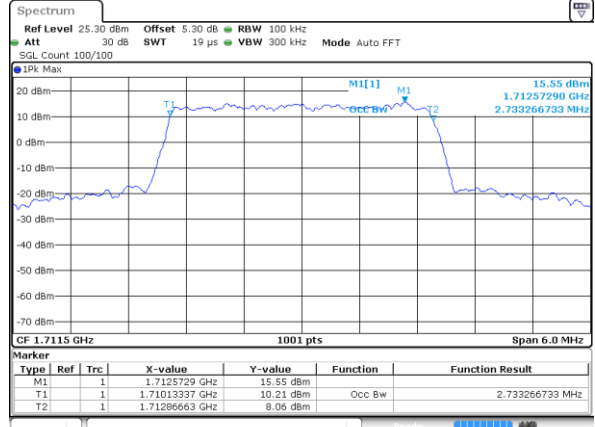
LTE Band 4

Lowest Channel / 3MHz / QPSK



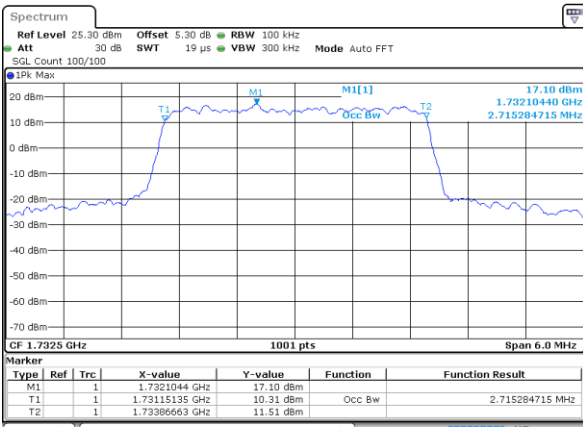
Date: 2 JUL 2017 15:21:12

Lowest Channel / 3MHz / 16QAM



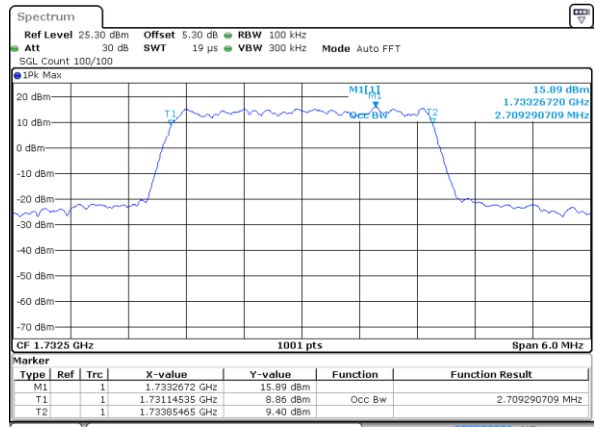
Date: 2 JUL 2017 15:21:22

Middle Channel / 3MHz / QPSK



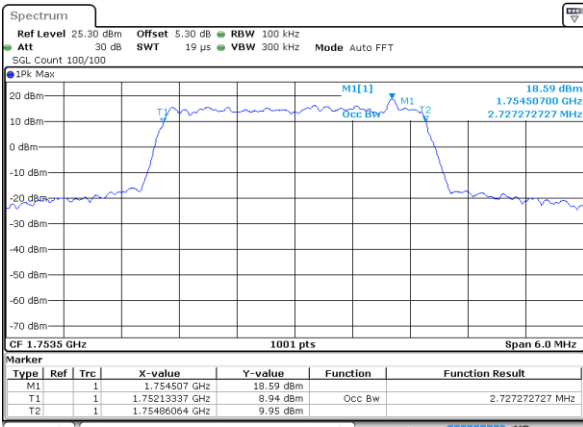
Date: 2 JUL 2017 15:28:11

Middle Channel / 3MHz / 16QAM



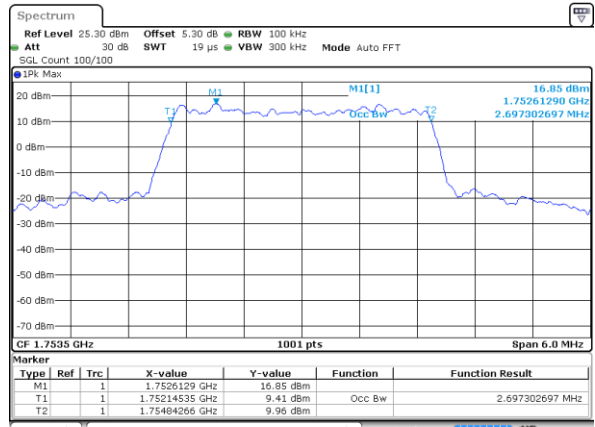
Date: 2 JUL 2017 15:28:21

Highest Channel / 3MHz / QPSK



Date: 2 JUL 2017 15:30:40

Highest Channel / 3MHz / 16QAM

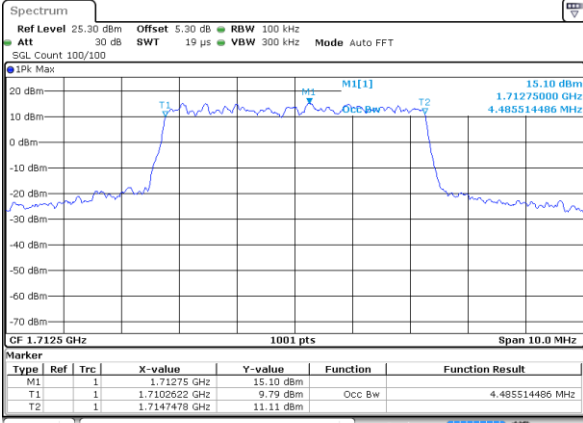


Date: 2 JUL 2017 15:30:50



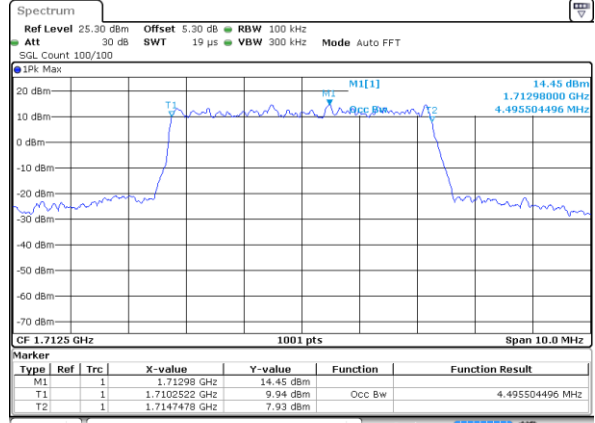
LTE Band 4

Lowest Channel / 5MHz / QPSK



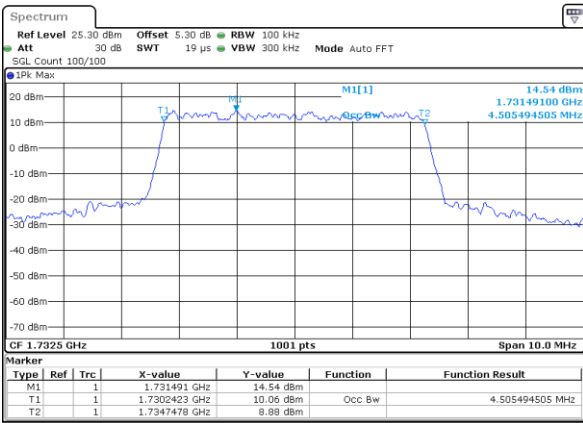
Date: 2 JUL 2017 15:37:38

Lowest Channel / 5MHz / 16QAM



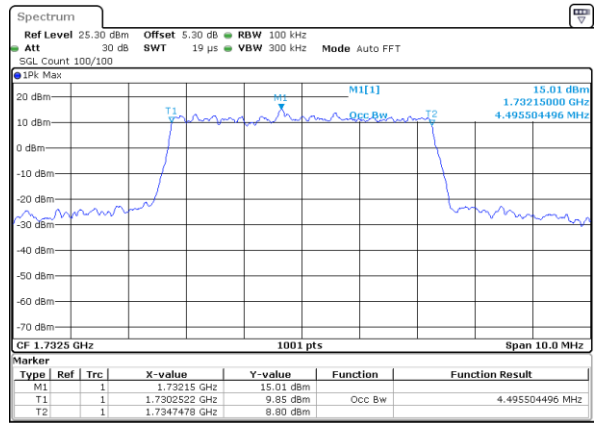
Date: 2 JUL 2017 15:37:48

Middle Channel / 5MHz / QPSK



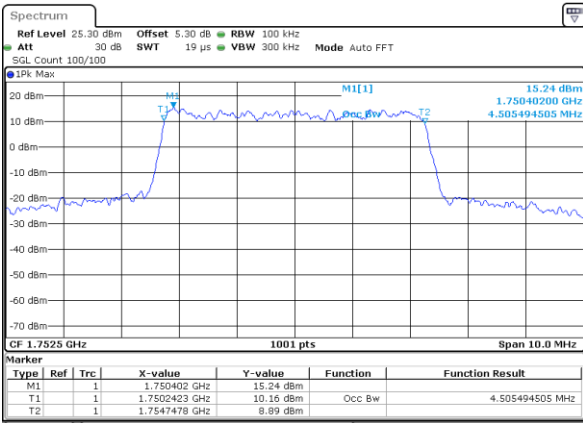
Date: 2 JUL 2017 15:44:36

Middle Channel / 5MHz / 16QAM



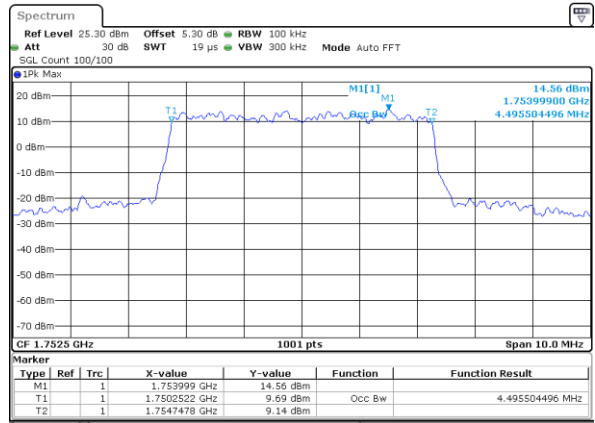
Date: 2 JUL 2017 15:44:46

Highest Channel / 5MHz / QPSK



Date: 2 JUL 2017 15:47:05

Highest Channel / 5MHz / 16QAM

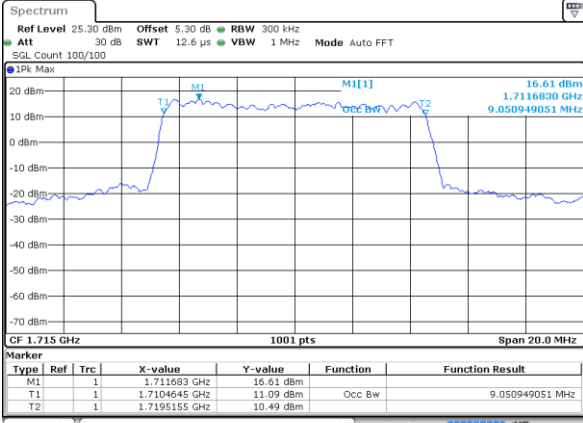


Date: 2 JUL 2017 15:47:15



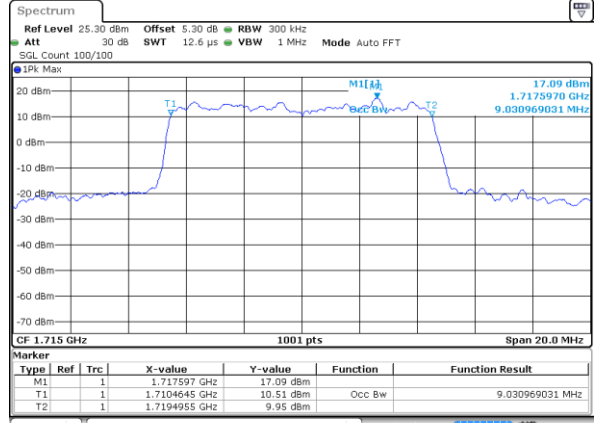
LTE Band 4

Lowest Channel / 10MHz / QPSK



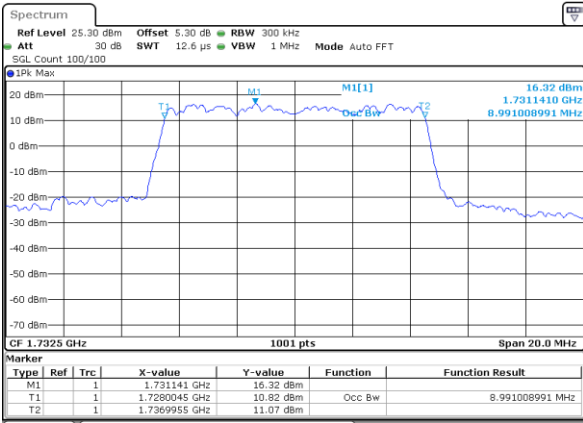
Date: 2 JUL 2017 15:54:03

Lowest Channel / 10MHz / 16QAM



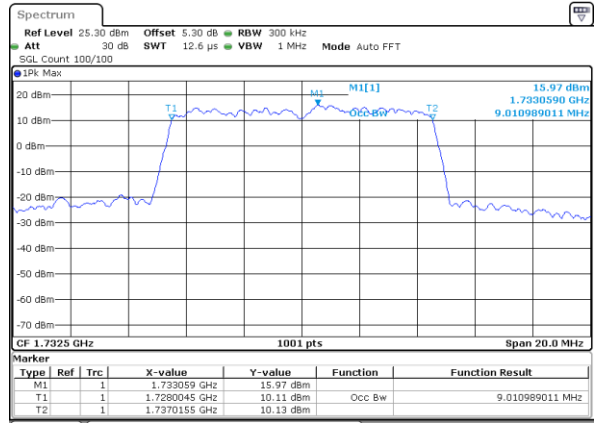
Date: 2 JUL 2017 15:54:13

Middle Channel / 10MHz / QPSK



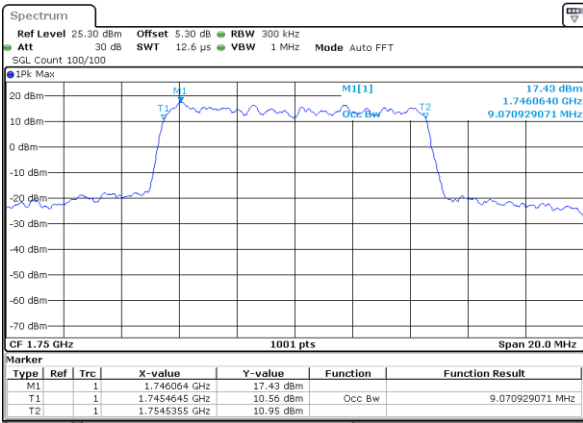
Date: 2 JUL 2017 16:01:01

Middle Channel / 10MHz / 16QAM



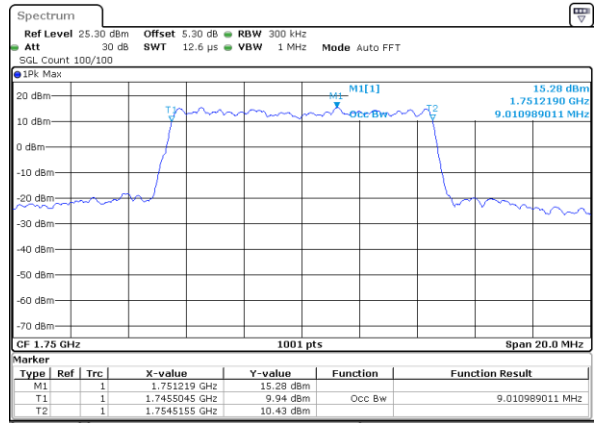
Date: 2 JUL 2017 16:01:11

Highest Channel / 10MHz / QPSK



Date: 2 JUL 2017 16:03:30

Highest Channel / 10MHz / 16QAM

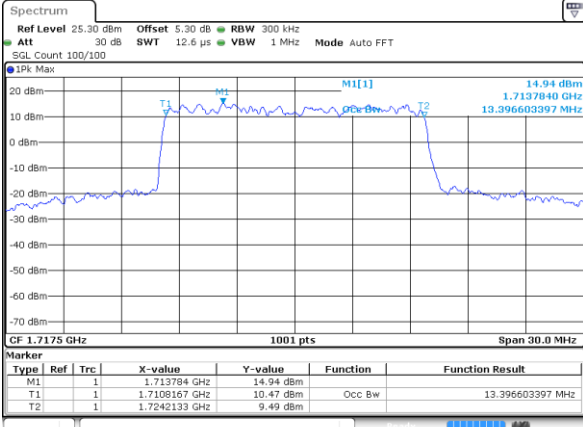


Date: 2 JUL 2017 16:03:40



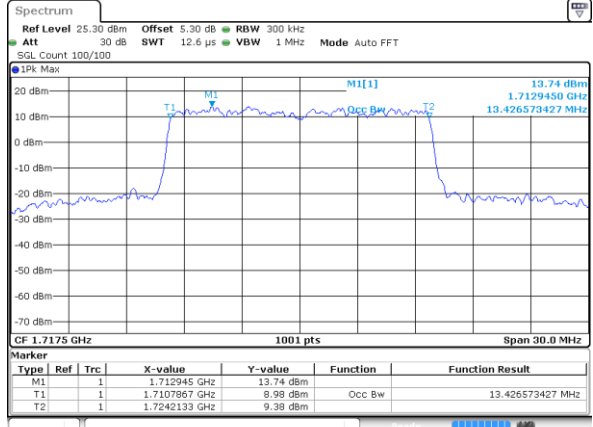
LTE Band 4

Lowest Channel / 15MHz / QPSK



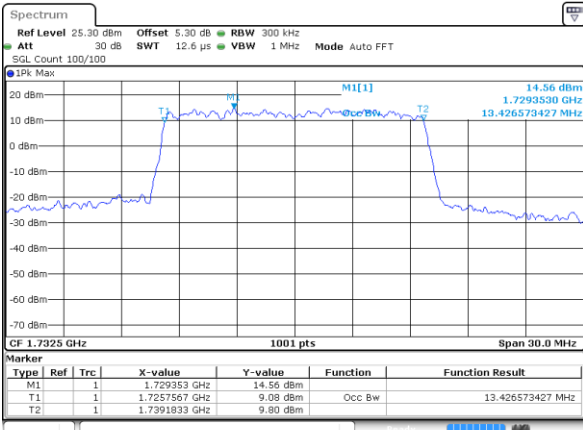
Date: 2 JUL 2017 16:10:28

Lowest Channel / 15MHz / 16QAM



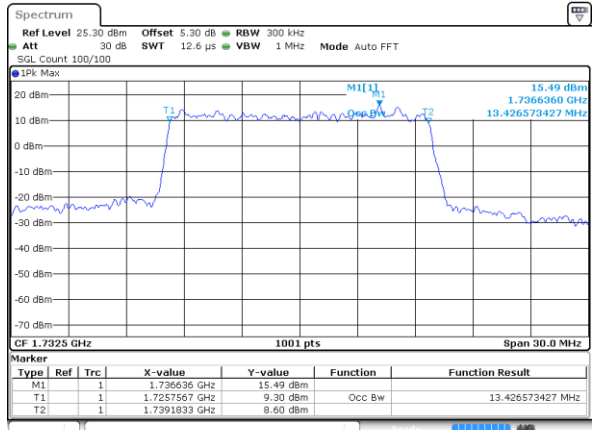
Date: 2 JUL 2017 16:10:38

Middle Channel / 15MHz / QPSK



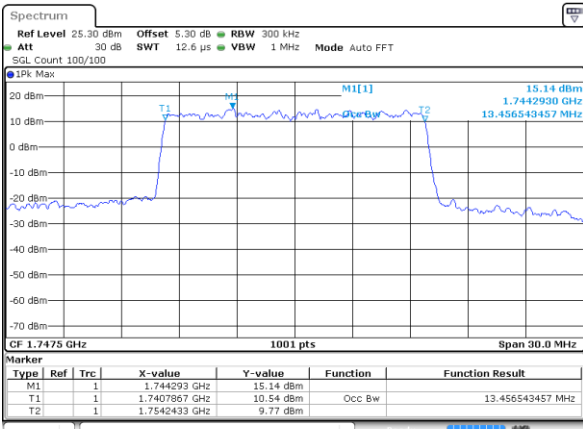
Date: 2 JUL 2017 16:17:26

Middle Channel / 15MHz / 16QAM



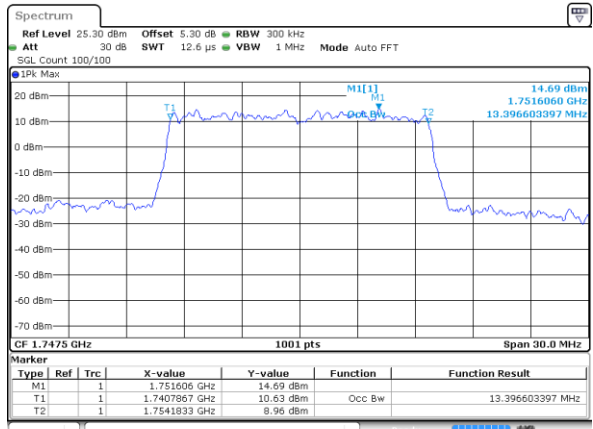
Date: 2 JUL 2017 16:17:36

Highest Channel / 15MHz / QPSK



Date: 2 JUL 2017 16:19:55

Highest Channel / 15MHz / 16QAM

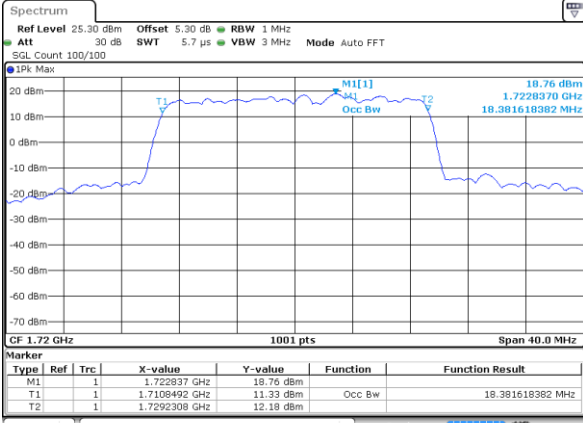


Date: 2 JUL 2017 16:20:05



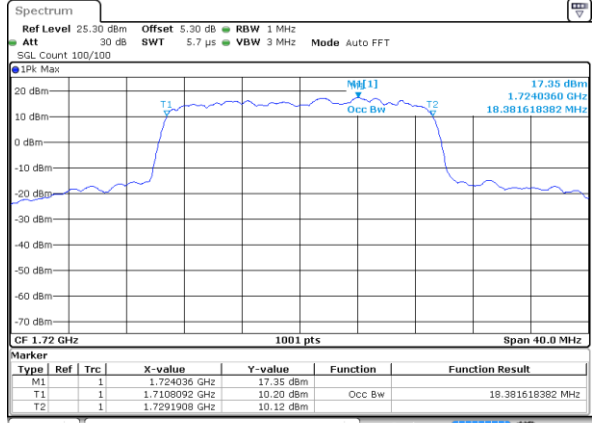
LTE Band 4

Lowest Channel / 20MHz / QPSK



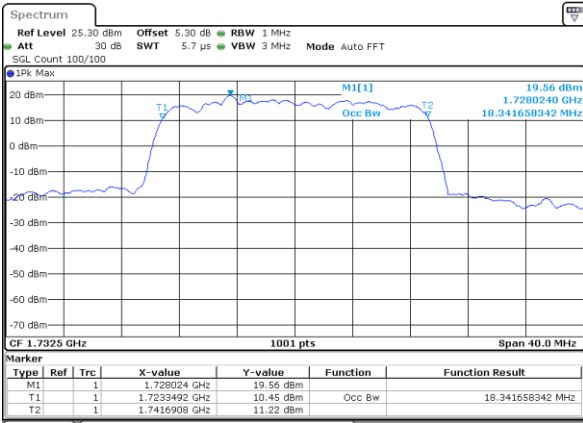
Date: 2 JUL 2017 16:26:53

Lowest Channel / 20MHz / 16QAM



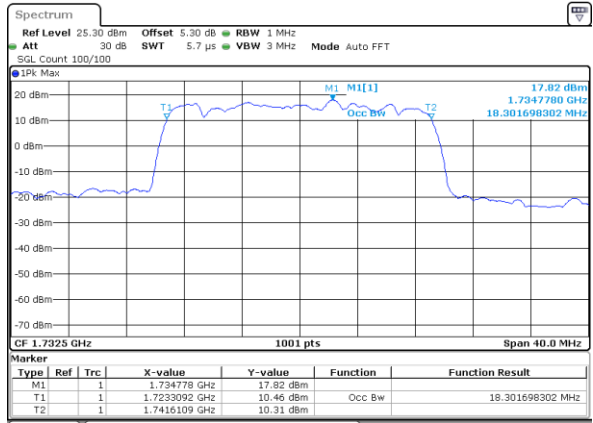
Date: 2 JUL 2017 16:27:03

Middle Channel / 20MHz / QPSK



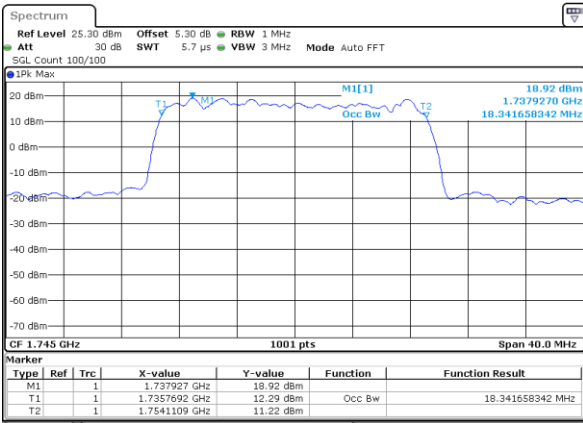
Date: 2 JUL 2017 16:33:51

Middle Channel / 20MHz / 16QAM



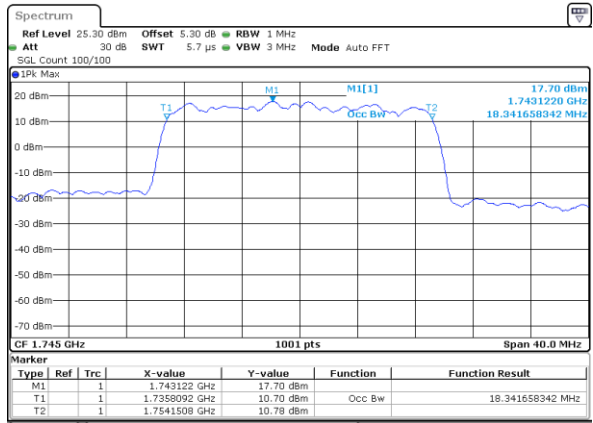
Date: 2 JUL 2017 16:34:01

Highest Channel / 20MHz / QPSK



Date: 2 JUL 2017 16:36:20

Highest Channel / 20MHz / 16QAM

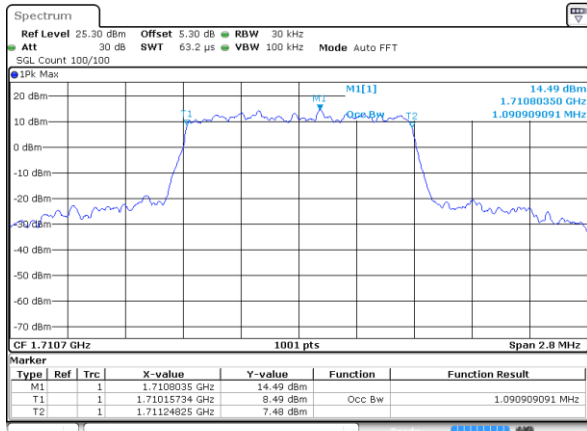


Date: 2 JUL 2017 16:36:30



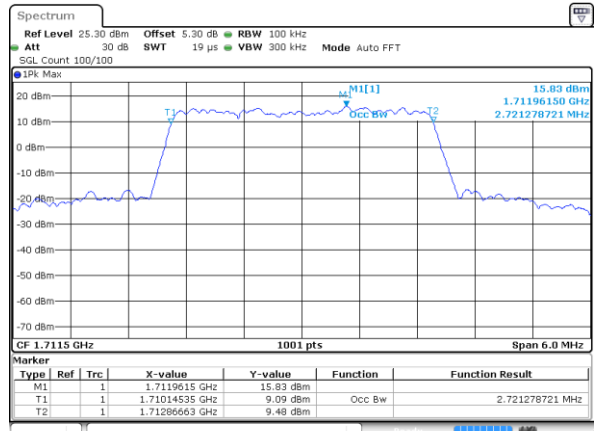
LTE Band 4

Lowest Channel / 1.4MHz / 64QAM



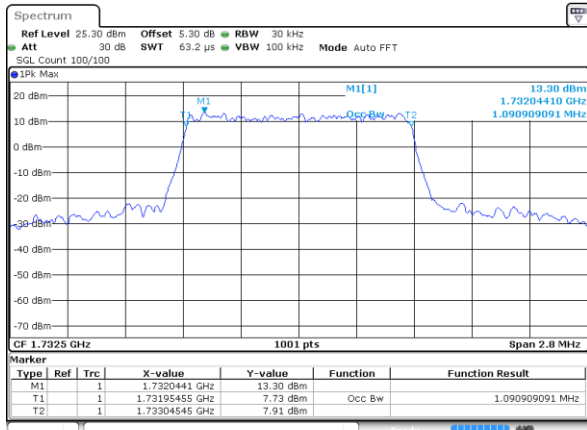
Date: 2 JUL 2017 17:35:55

Lowest Channel / 3MHz / 64QAM



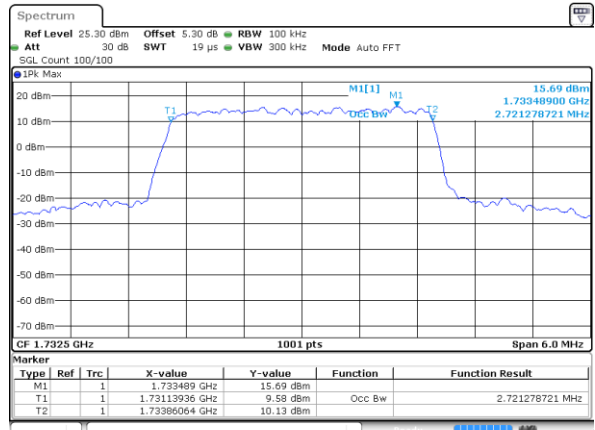
Date: 2 JUL 2017 17:51:20

Middle Channel / 1.4MHz / 64QAM



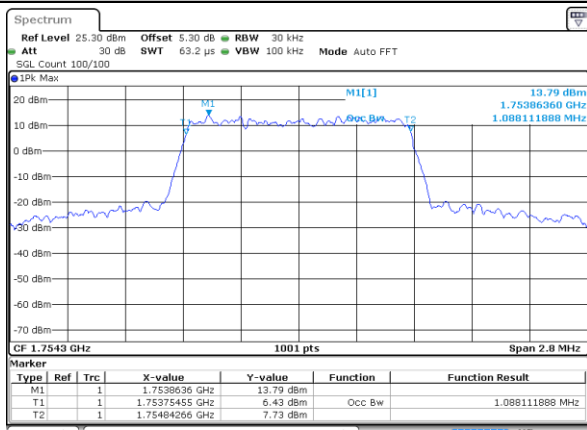
Date: 2 JUL 2017 17:36:15

Middle Channel / 3MHz / 64QAM



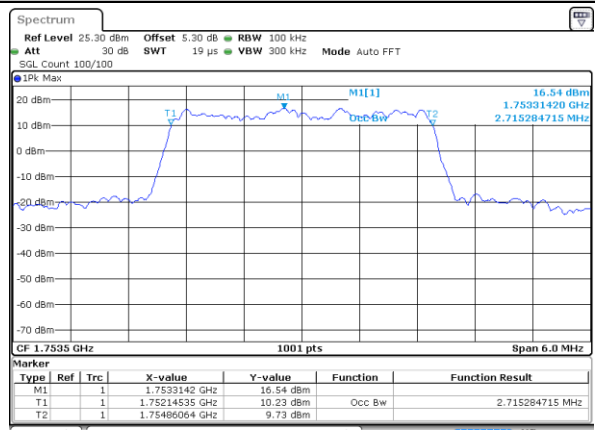
Date: 2 JUL 2017 17:51:40

Highest Channel / 1.4MHz / 64QAM



Date: 2 JUL 2017 17:36:35

Highest Channel / 3MHz / 64QAM

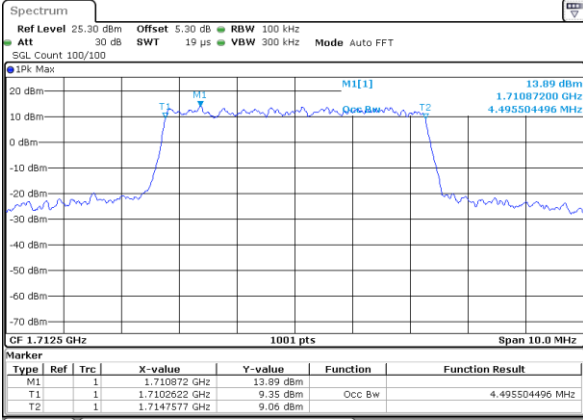


Date: 2 JUL 2017 17:52:00



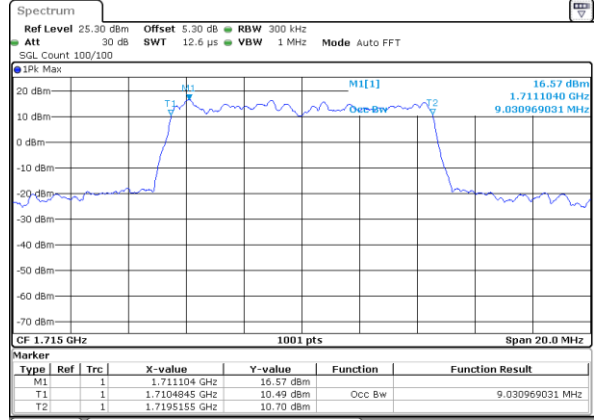
LTE Band 4

Lowest Channel / 5MHz / 64QAM



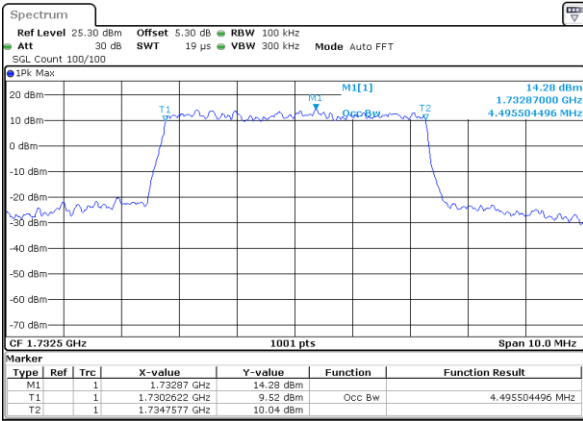
Date: 2 JUL 2017 17:52:20

Lowest Channel / 10MHz / 64QAM



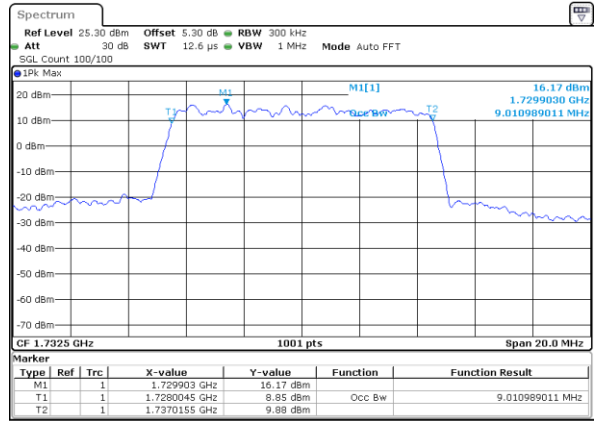
Date: 2 JUL 2017 18:03:16

Middle Channel / 5MHz / 64QAM



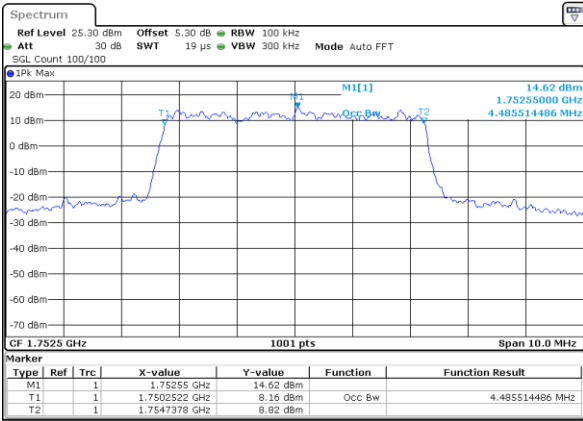
Date: 2 JUL 2017 17:52:40

Middle Channel / 10MHz / 64QAM



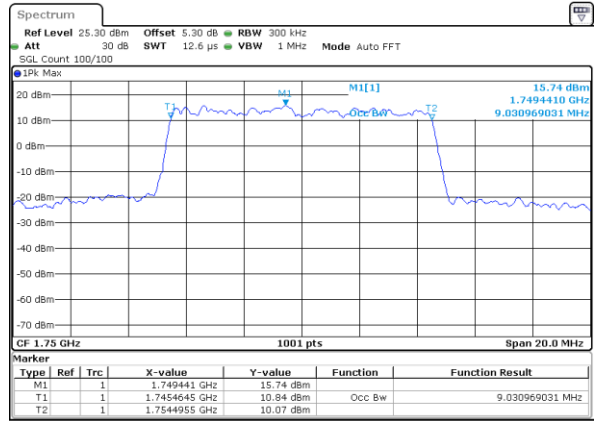
Date: 2 JUL 2017 18:03:36

Highest Channel / 5MHz / 64QAM



Date: 2 JUL 2017 17:53:00

Highest Channel / 10MHz / 64QAM



Date: 2 JUL 2017 18:03:55