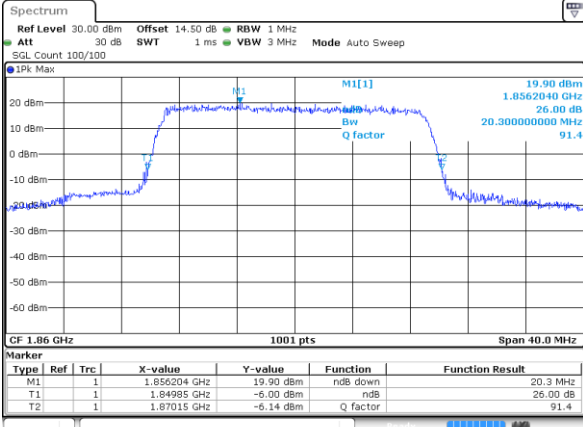




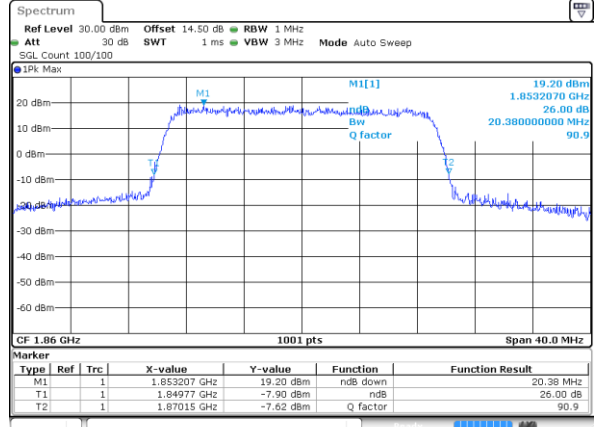
LTE Band 2

Lowest Channel / 20MHz / QPSK



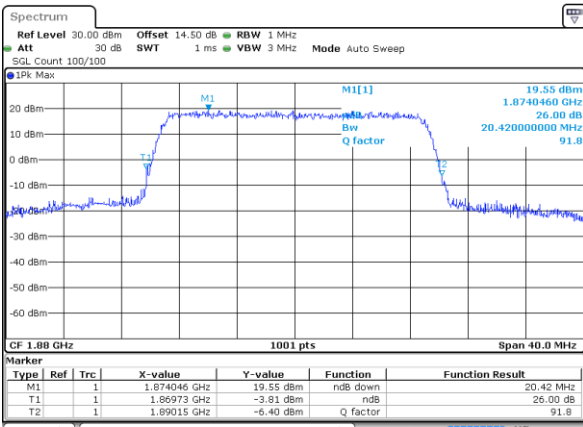
Date: 10 NOV 2017 04:50:08

Lowest Channel / 20MHz / 16QAM



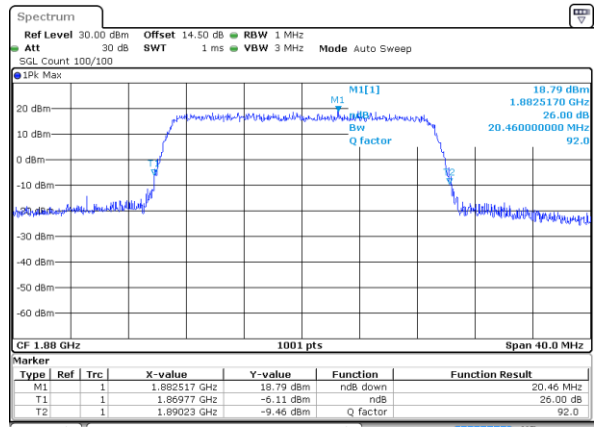
Date: 10 NOV 2017 04:50:18

Middle Channel / 20MHz / QPSK



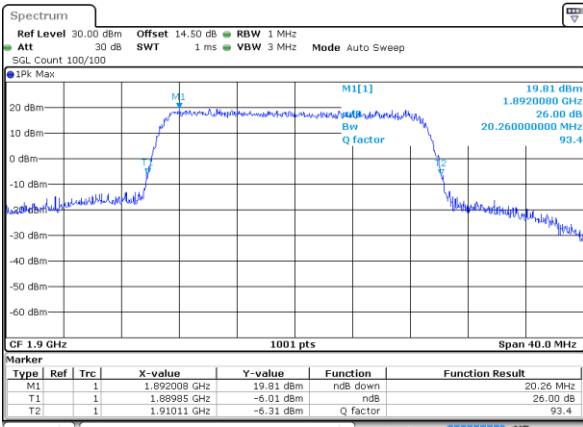
Date: 10 NOV 2017 04:57:06

Middle Channel / 20MHz / 16QAM



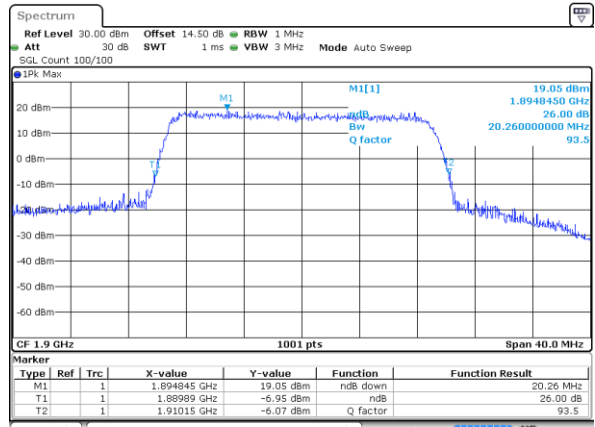
Date: 10 NOV 2017 04:57:16

Highest Channel / 20MHz / QPSK



Date: 10 NOV 2017 04:59:32

Highest Channel / 20MHz / 16QAM

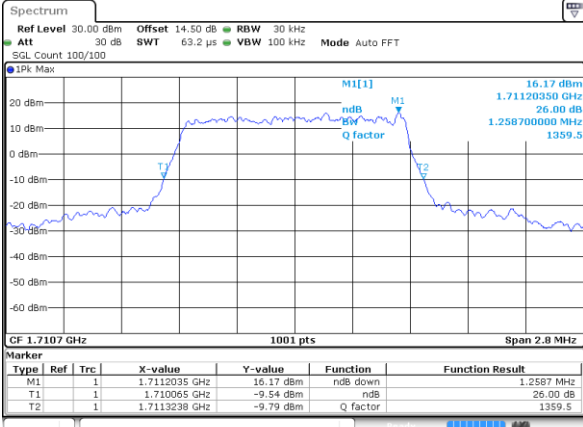


Date: 10 NOV 2017 04:59:42



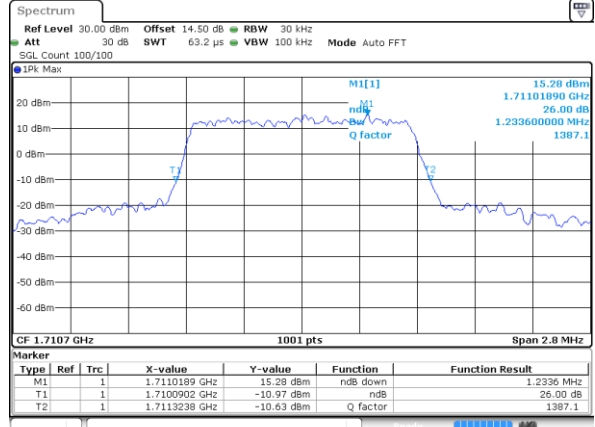
LTE Band 4

Lowest Channel / 1.4MHz / QPSK



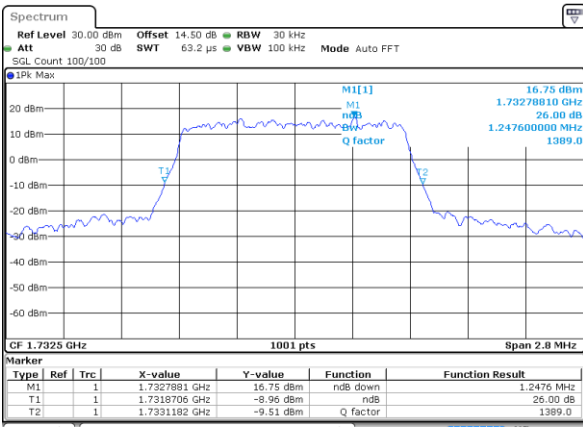
Date: 16 NOV 2017 23:25:08

Lowest Channel / 1.4MHz / 16QAM



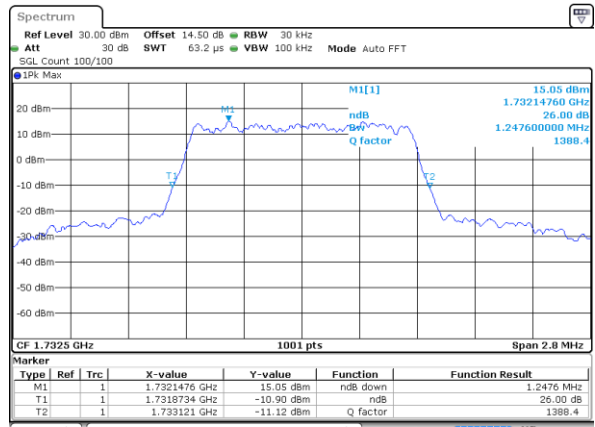
Date: 16 NOV 2017 23:25:18

Middle Channel / 1.4MHz / QPSK



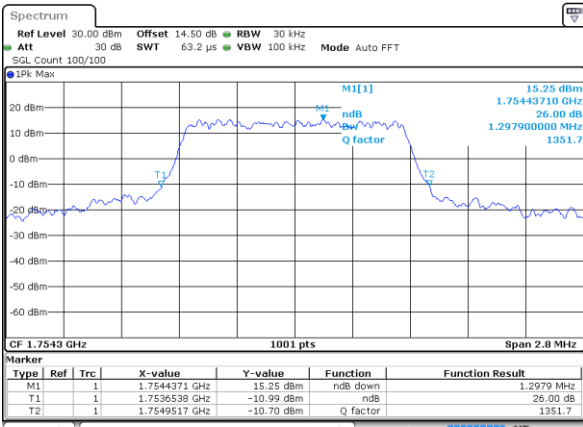
Date: 16 NOV 2017 23:32:07

Middle Channel / 1.4MHz / 16QAM



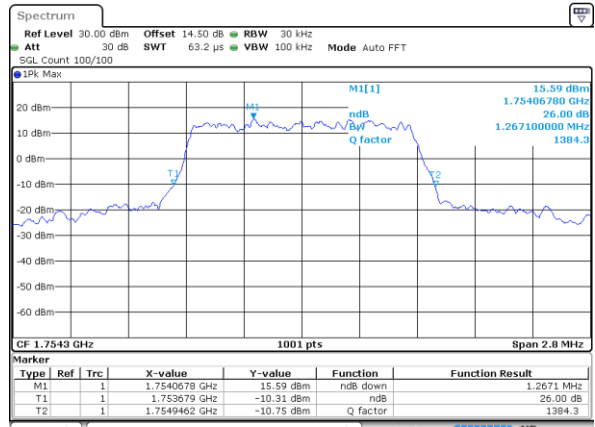
Date: 16 NOV 2017 23:32:17

Highest Channel / 1.4MHz / QPSK



Date: 16 NOV 2017 23:34:33

Highest Channel / 1.4MHz / 16QAM

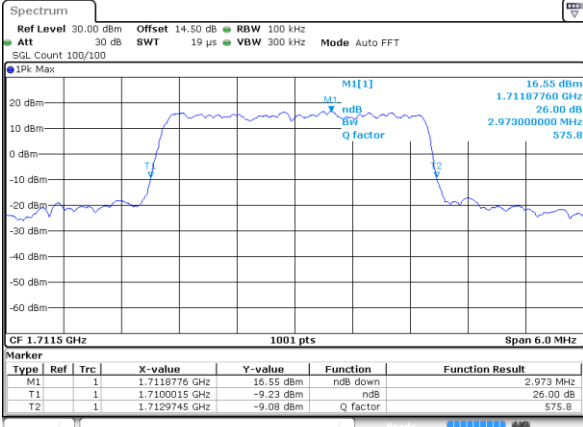


Date: 16 NOV 2017 23:34:43



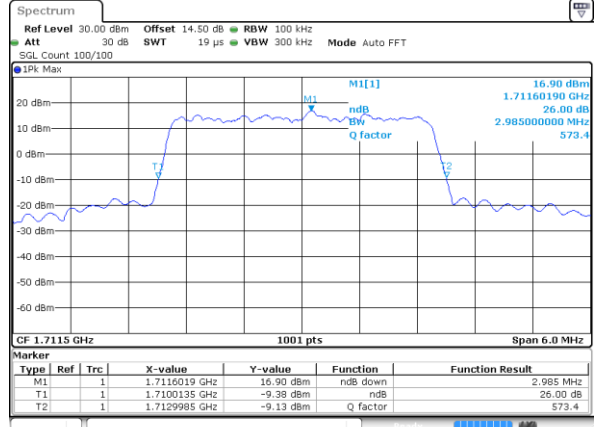
LTE Band 4

Lowest Channel / 3MHz / QPSK



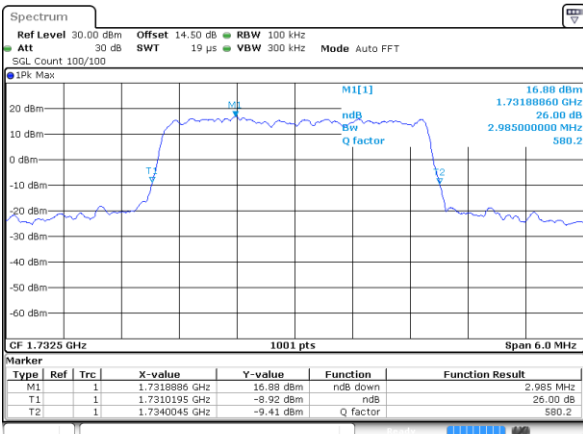
Date: 16 NOV 2017 23:41:31

Lowest Channel / 3MHz / 16QAM



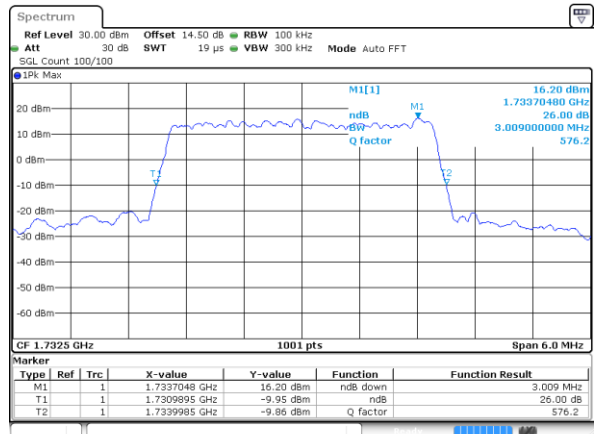
Date: 16 NOV 2017 23:41:41

Middle Channel / 3MHz / QPSK



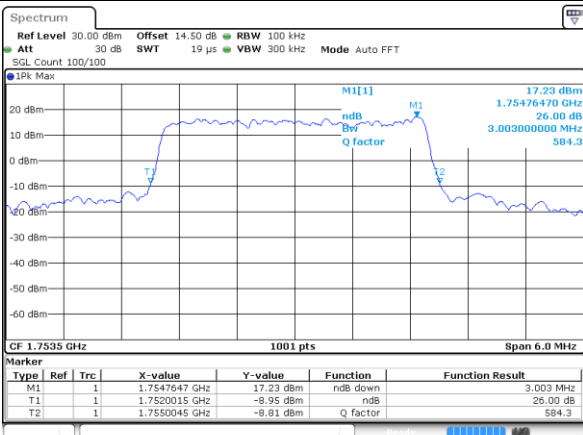
Date: 16 NOV 2017 23:48:28

Middle Channel / 3MHz / 16QAM



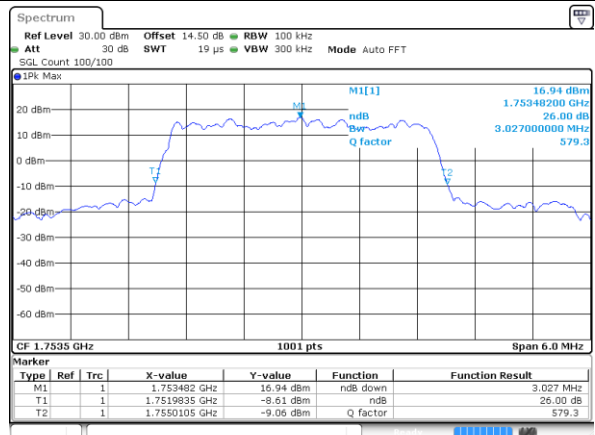
Date: 16 NOV 2017 23:48:38

Highest Channel / 3MHz / QPSK



Date: 16 NOV 2017 23:50:54

Highest Channel / 3MHz / 16QAM

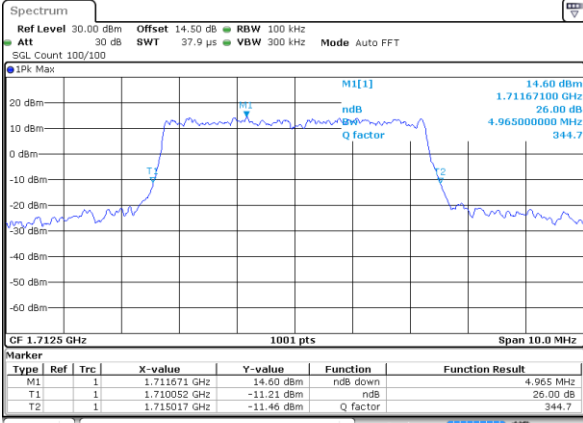


Date: 16 NOV 2017 23:51:03



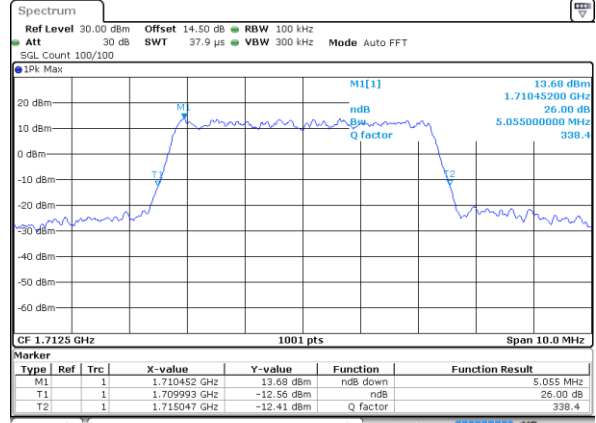
LTE Band 4

Lowest Channel / 5MHz / QPSK



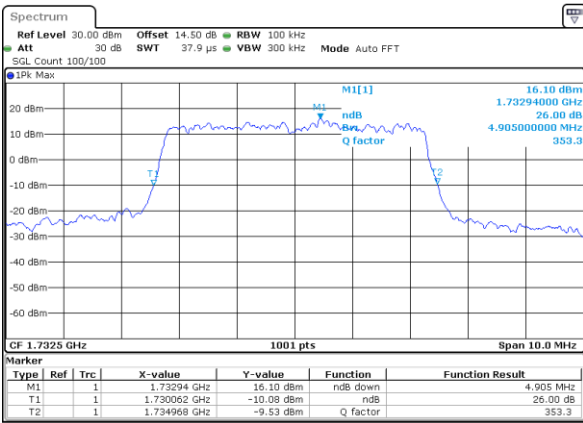
Date: 16 NOV 2017 23:57:51

Lowest Channel / 5MHz / 16QAM



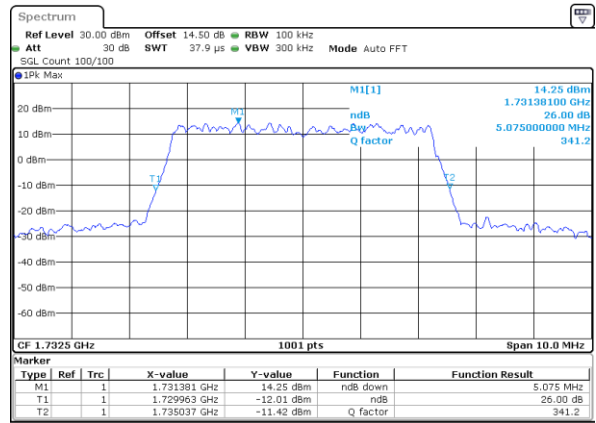
Date: 16 NOV 2017 23:58:01

Middle Channel / 5MHz / QPSK



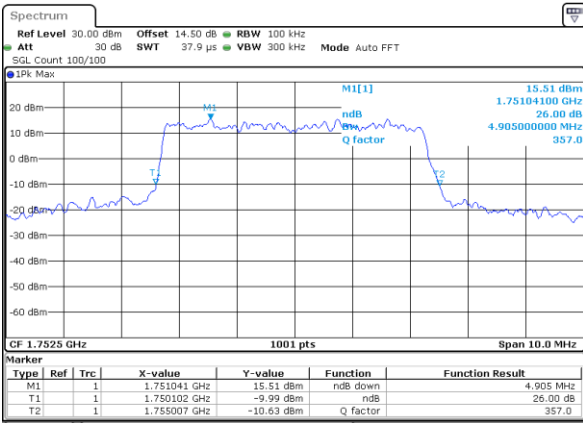
Date: 17 NOV 2017 00:04:48

Middle Channel / 5MHz / 16QAM



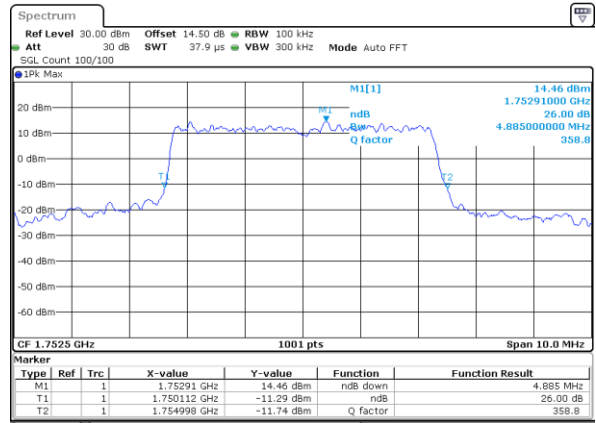
Date: 17 NOV 2017 00:05:00

Highest Channel / 5MHz / QPSK



Date: 17 NOV 2017 00:07:16

Highest Channel / 5MHz / 16QAM

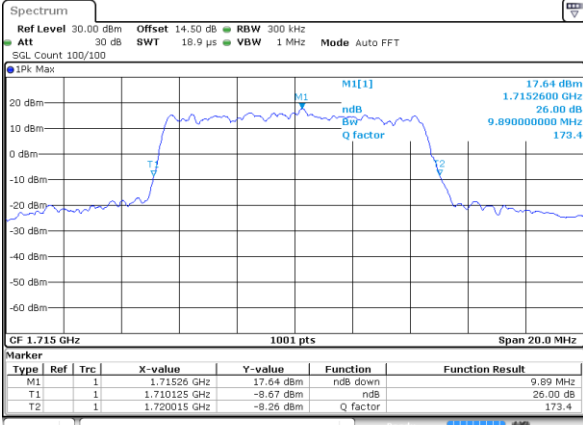


Date: 17 NOV 2017 00:07:26



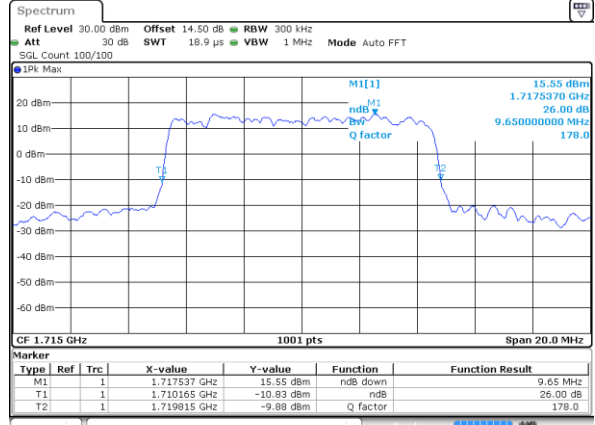
LTE Band 4

Lowest Channel / 10MHz / QPSK



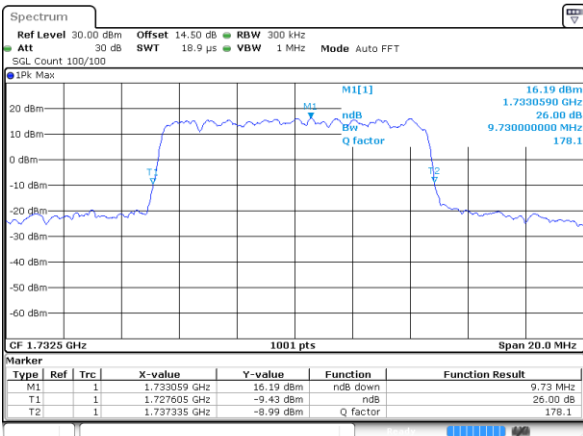
Date: 17 NOV 2017 00:14:13

Lowest Channel / 10MHz / 16QAM



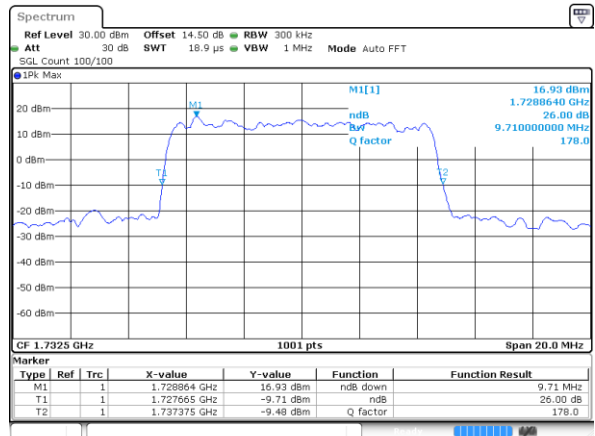
Date: 17 NOV 2017 00:14:23

Middle Channel / 10MHz / QPSK



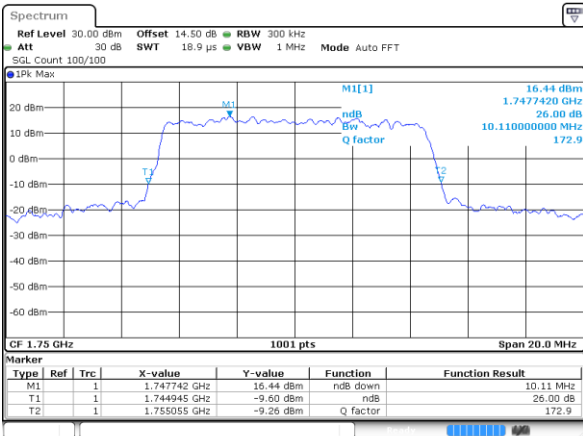
Date: 17 NOV 2017 00:21:10

Middle Channel / 10MHz / 16QAM



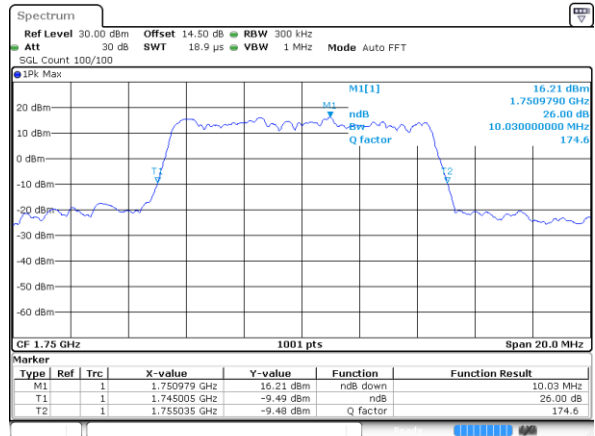
Date: 17 NOV 2017 00:21:20

Highest Channel / 10MHz / QPSK



Date: 17 NOV 2017 00:23:36

Highest Channel / 10MHz / 16QAM

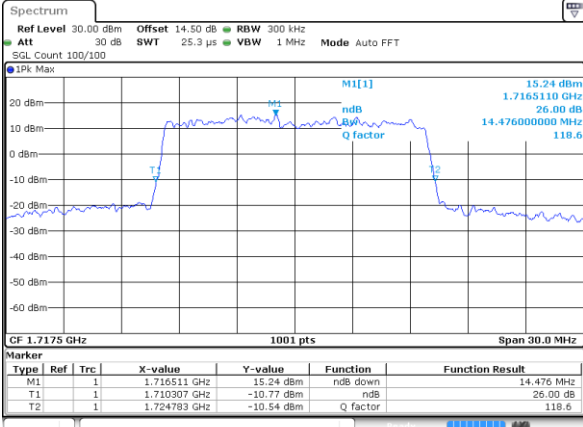


Date: 17 NOV 2017 00:23:46



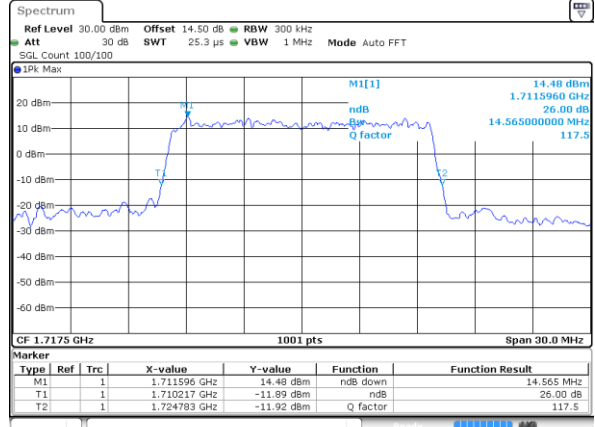
LTE Band 4

Lowest Channel / 15MHz / QPSK



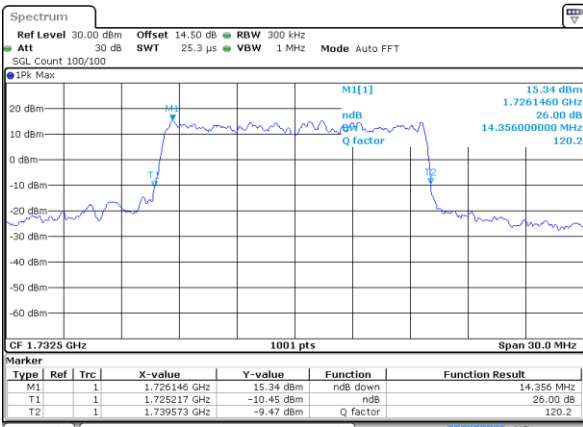
Date: 17 NOV 2017 00:30:33

Lowest Channel / 15MHz / 16QAM



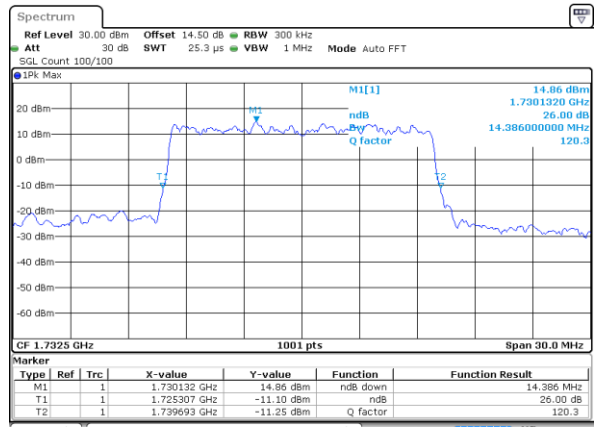
Date: 17 NOV 2017 00:30:43

Middle Channel / 15MHz / QPSK



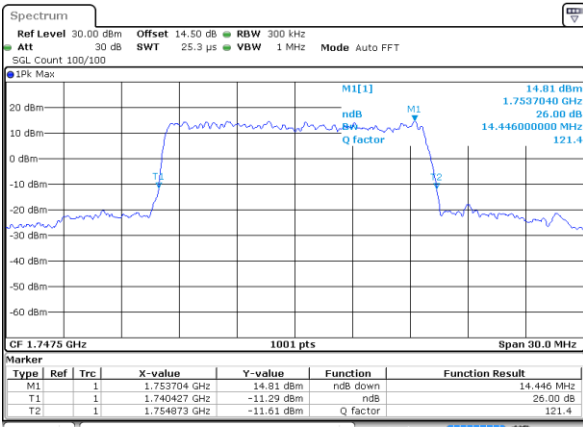
Date: 17 NOV 2017 00:37:30

Middle Channel / 15MHz / 16QAM



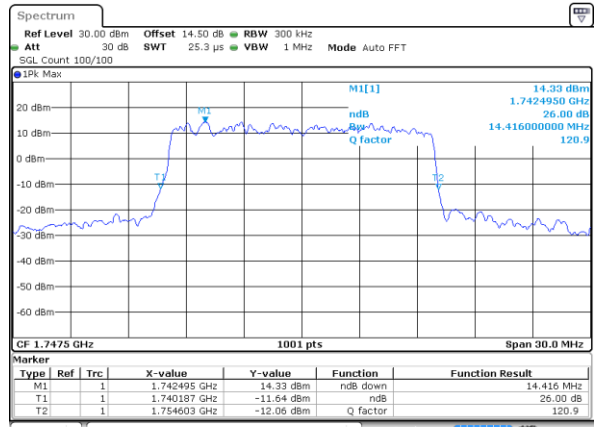
Date: 17 NOV 2017 00:37:40

Highest Channel / 15MHz / QPSK



Date: 17 NOV 2017 00:39:56

Highest Channel / 15MHz / 16QAM

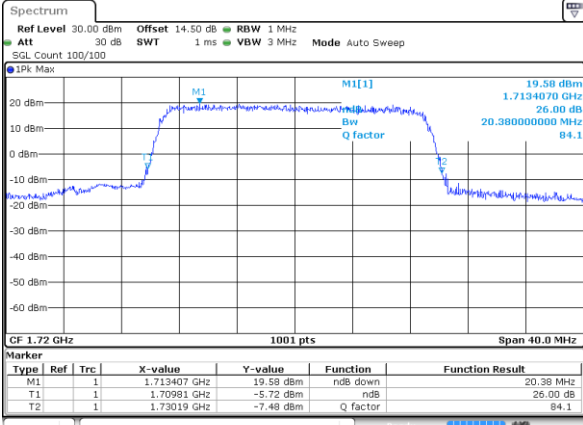


Date: 17 NOV 2017 00:40:06



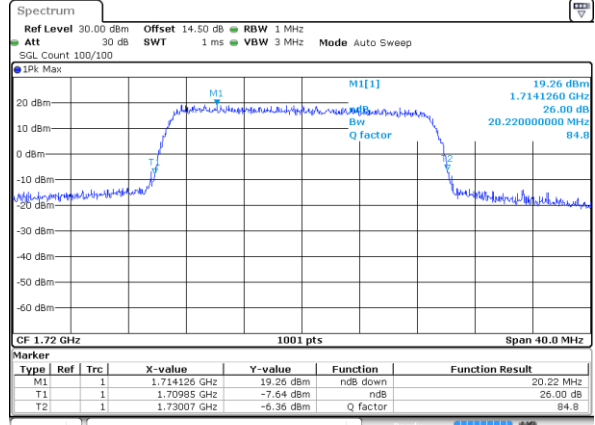
LTE Band 4

Lowest Channel / 20MHz / QPSK



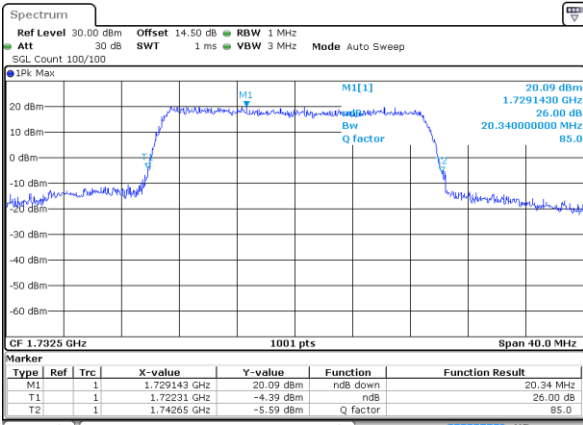
Date: 17 NOV 2017 00:46:53

Lowest Channel / 20MHz / 16QAM



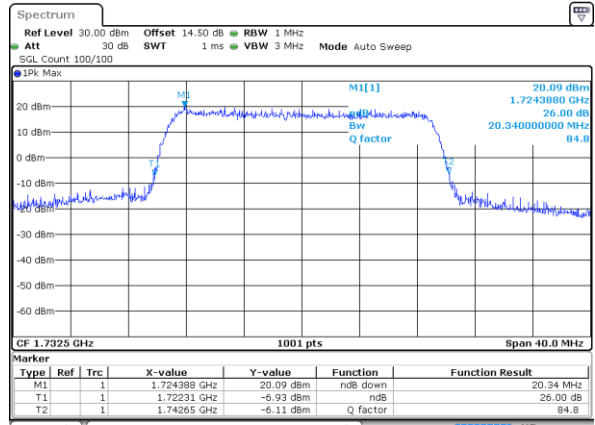
Date: 17 NOV 2017 00:47:03

Middle Channel / 20MHz / QPSK



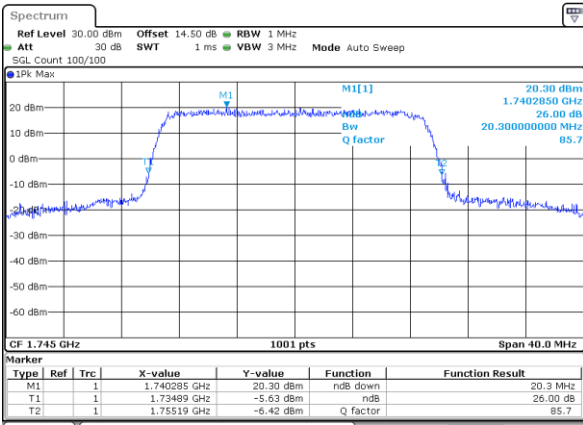
Date: 17 NOV 2017 00:53:51

Middle Channel / 20MHz / 16QAM



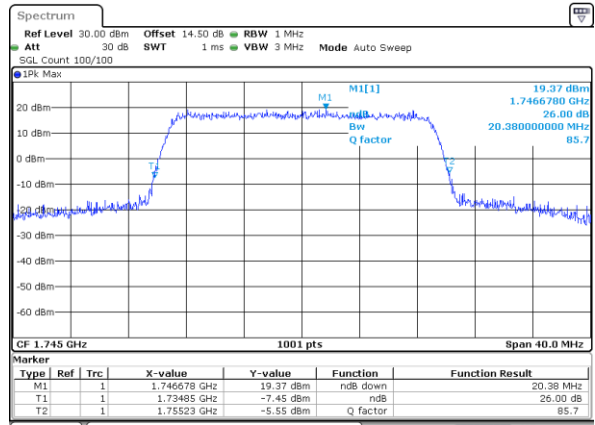
Date: 17 NOV 2017 00:54:00

Highest Channel / 20MHz / QPSK



Date: 17 NOV 2017 00:56:17

Highest Channel / 20MHz / 16QAM

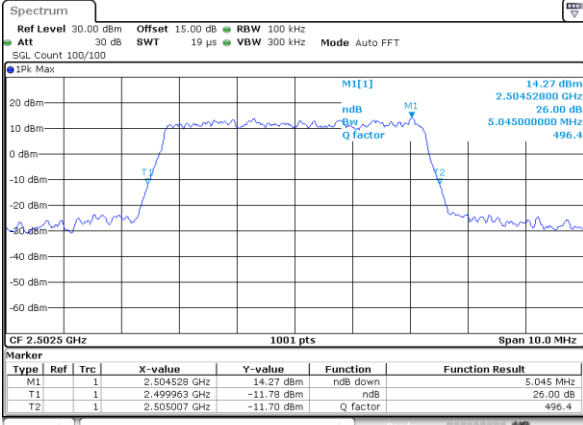


Date: 17 NOV 2017 00:56:27



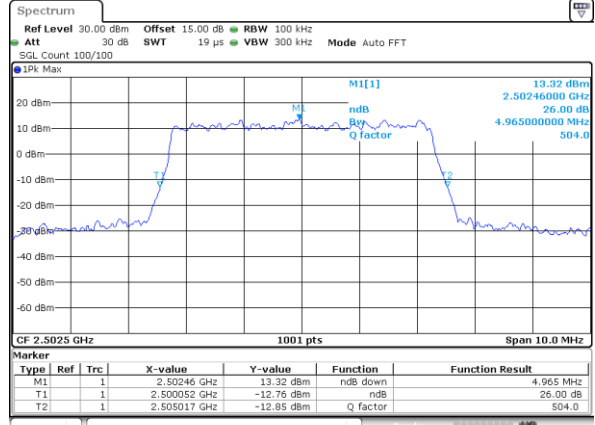
LTE Band 7

Lowest Channel / 5MHz / QPSK



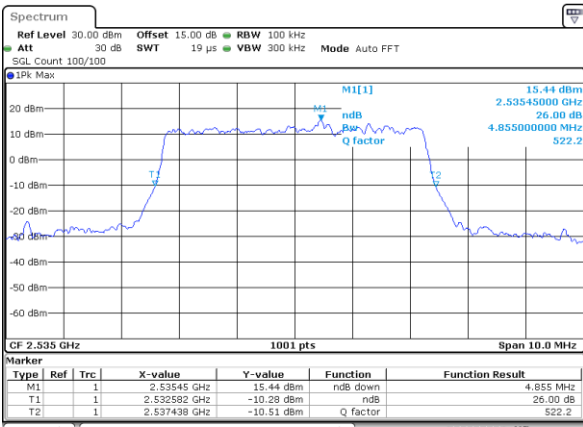
Date: 17.NOV.2017 18:24:33

Lowest Channel / 5MHz / 16QAM



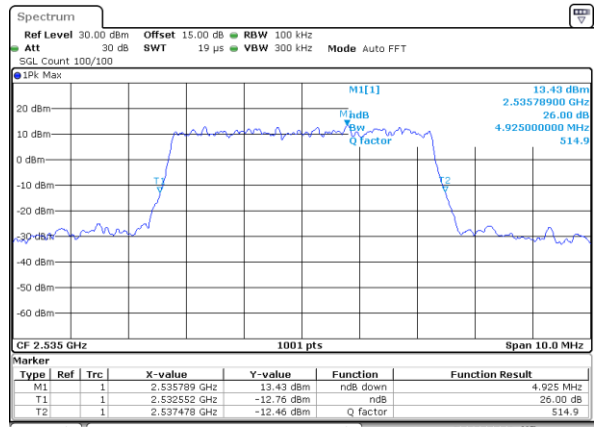
Date: 17.NOV.2017 18:24:43

Middle Channel / 5MHz / QPSK



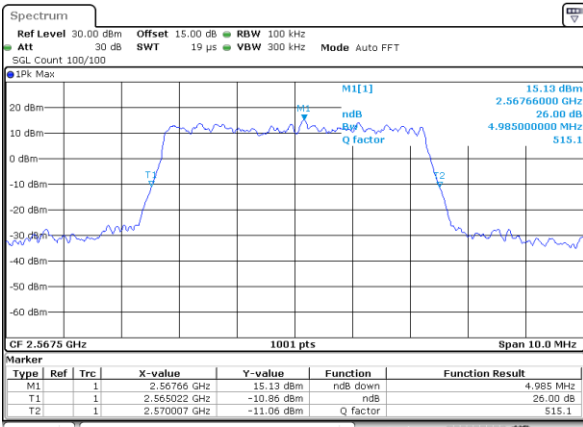
Date: 17.NOV.2017 18:31:48

Middle Channel / 5MHz / 16QAM



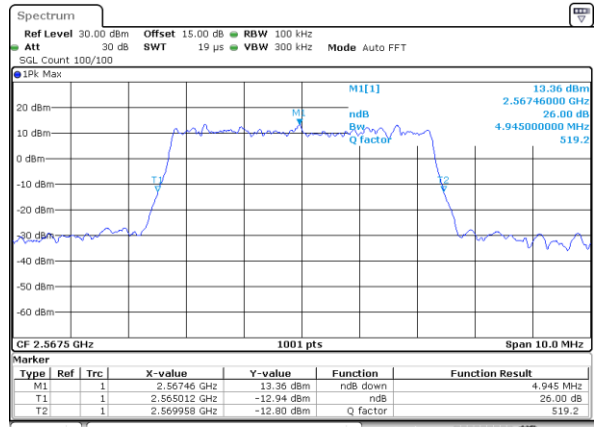
Date: 17.NOV.2017 18:31:59

Highest Channel / 5MHz / QPSK



Date: 17.NOV.2017 18:34:21

Highest Channel / 5MHz / 16QAM



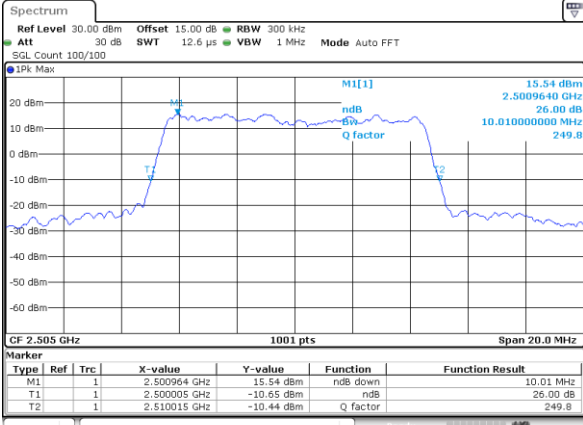
Date: 17.NOV.2017 18:34:32





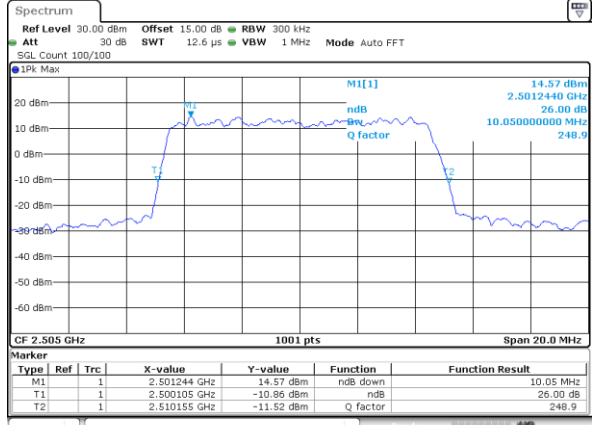
LTE Band 7

Lowest Channel / 10MHz / QPSK



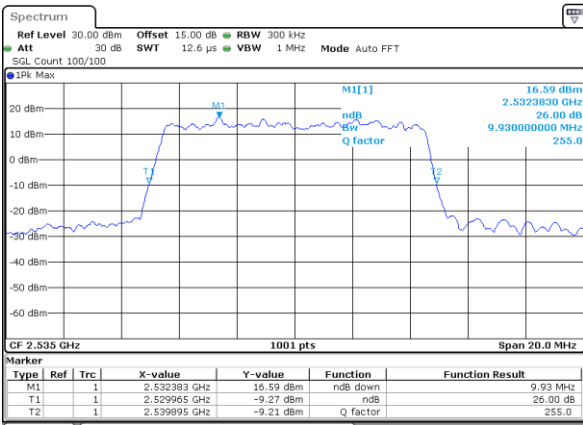
Date: 17.NOV.2017 18:41:37

Lowest Channel / 10MHz / 16QAM



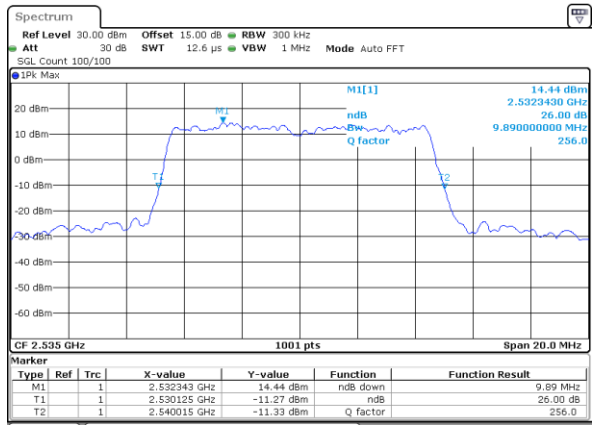
Date: 17.NOV.2017 18:41:48

Middle Channel / 10MHz / QPSK



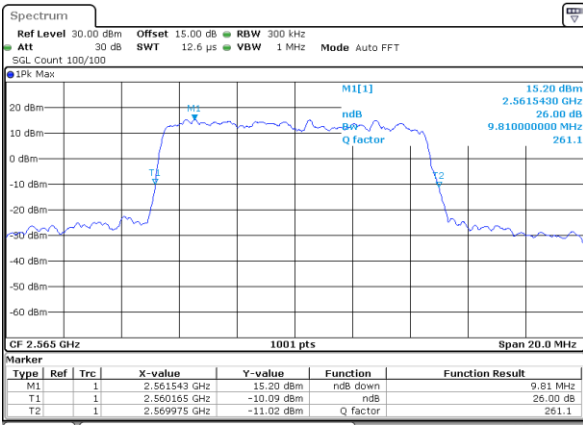
Date: 17.NOV.2017 18:48:53

Middle Channel / 10MHz / 16QAM



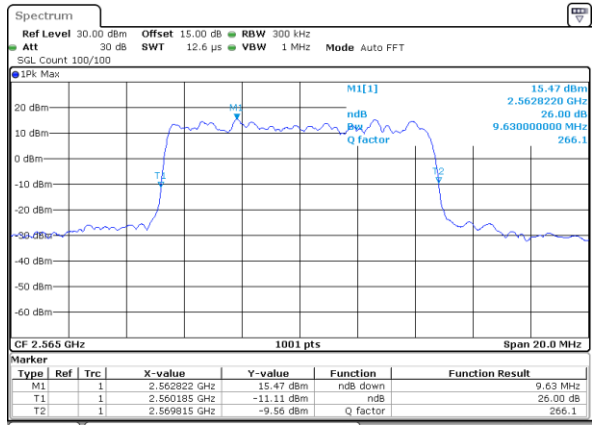
Date: 17.NOV.2017 18:49:04

Highest Channel / 10MHz / QPSK



Date: 17.NOV.2017 18:51:26

Highest Channel / 10MHz / 16QAM

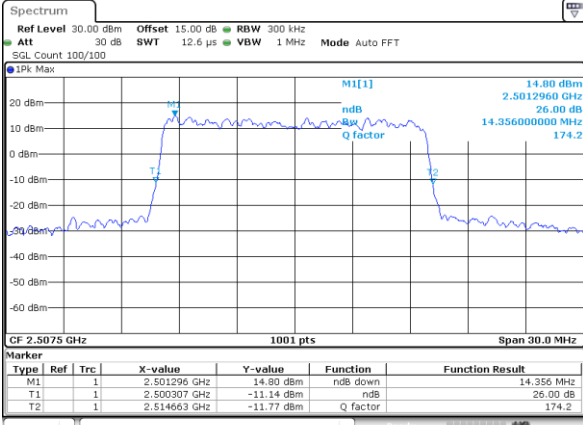


Date: 17.NOV.2017 18:51:37



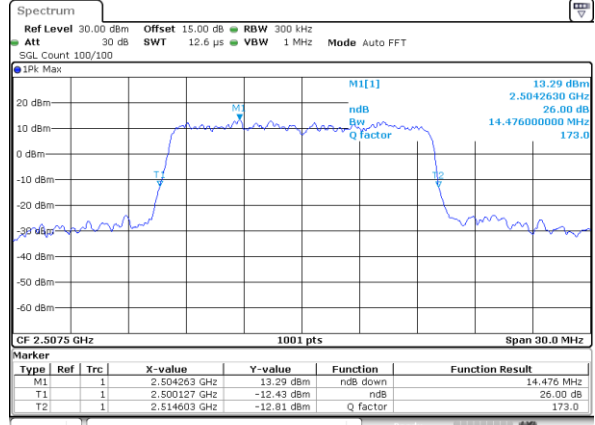
LTE Band 7

Lowest Channel / 15MHz / QPSK



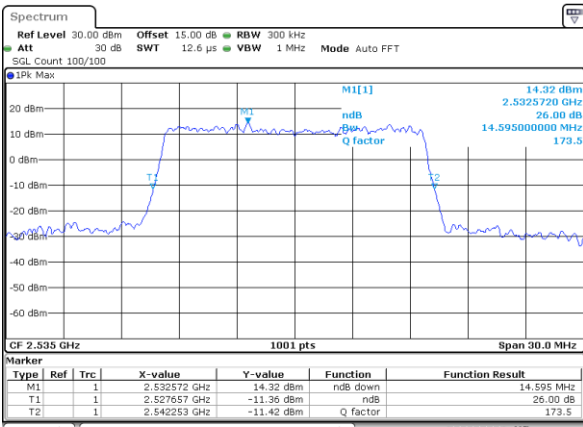
Date: 17.NOV.2017 18:58:43

Lowest Channel / 15MHz / 16QAM



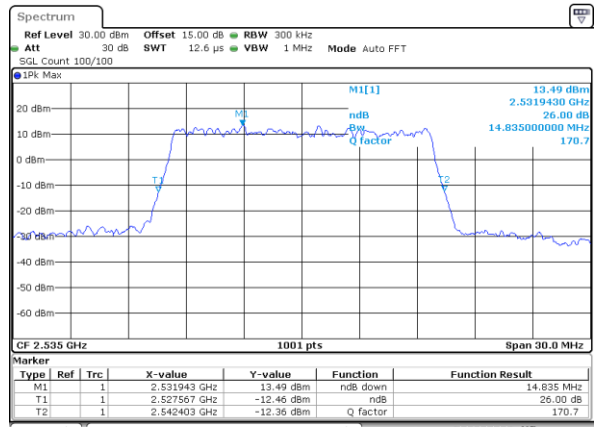
Date: 17.NOV.2017 18:58:54

Middle Channel / 15MHz / QPSK



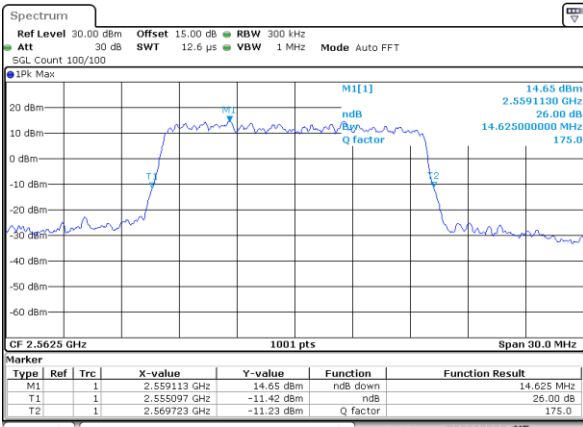
Date: 17.NOV.2017 19:05:59

Middle Channel / 15MHz / 16QAM



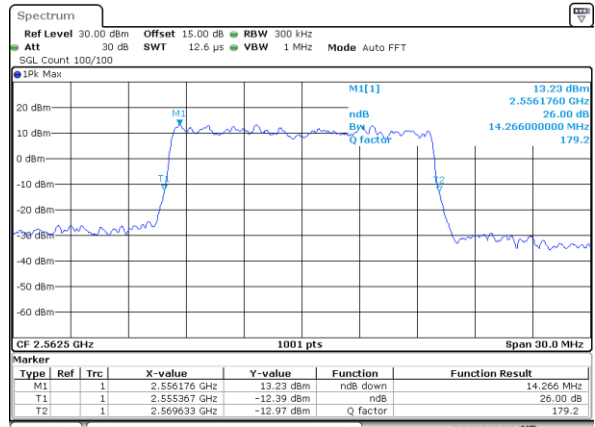
Date: 17.NOV.2017 19:06:10

Highest Channel / 15MHz / QPSK



Date: 17.NOV.2017 19:08:32

Highest Channel / 15MHz / 16QAM

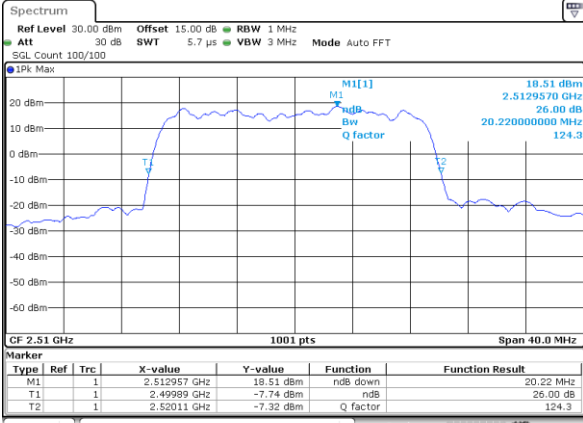


Date: 17.NOV.2017 19:08:43



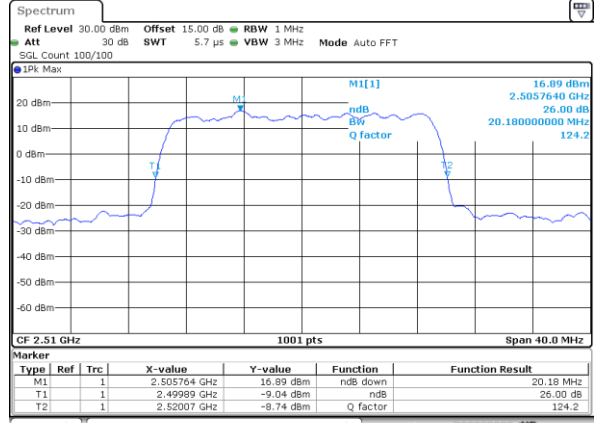
LTE Band 7

Lowest Channel / 20MHz / QPSK



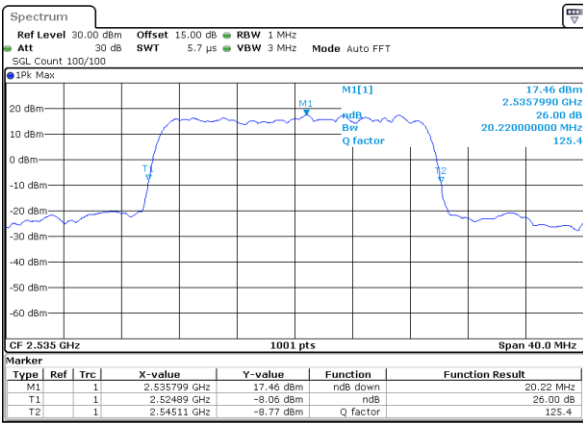
Date: 17.NOV.2017 19:15:49

Lowest Channel / 20MHz / 16QAM



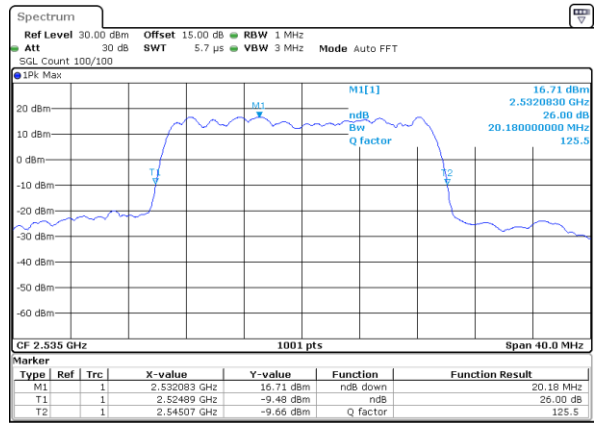
Date: 17.NOV.2017 19:16:00

Middle Channel / 20MHz / QPSK



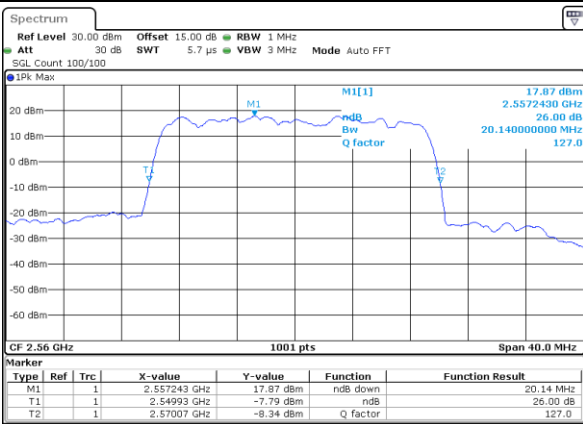
Date: 17.NOV.2017 19:23:05

Middle Channel / 20MHz / 16QAM



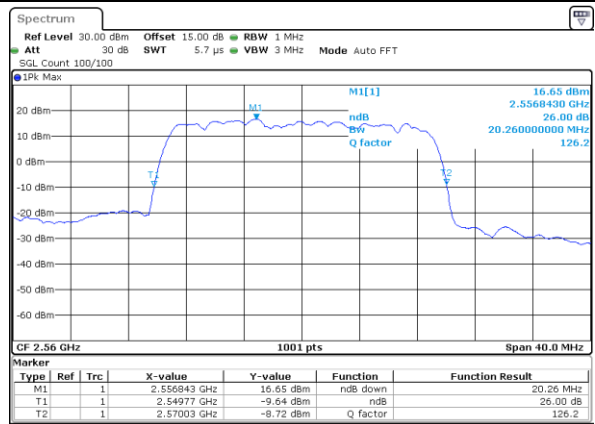
Date: 17.NOV.2017 19:23:16

Highest Channel / 20MHz / QPSK



Date: 17.NOV.2017 19:25:38

Highest Channel / 20MHz / 16QAM

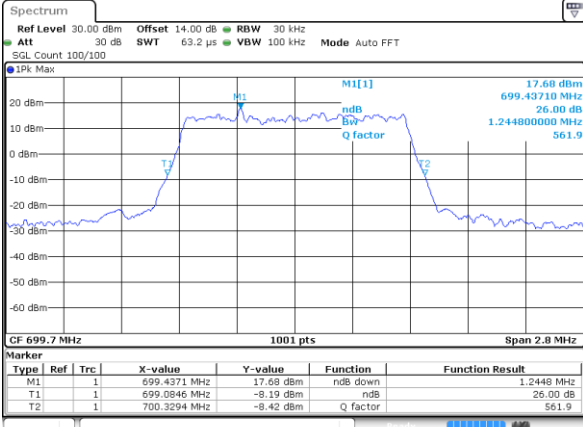


Date: 17.NOV.2017 19:25:49



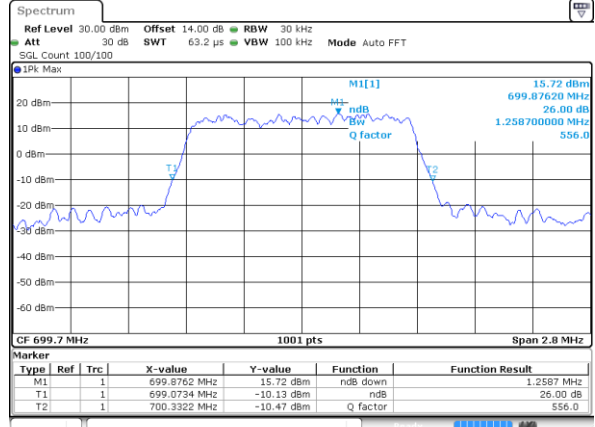
LTE Band 12

Lowest Channel / 1.4MHz / QPSK



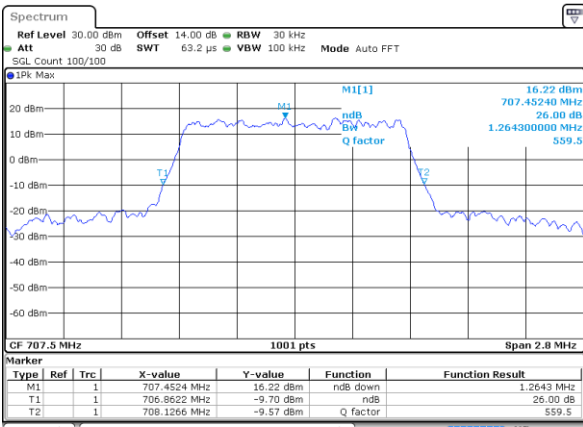
Date: 10 NOV 2017 05:42:41

Lowest Channel / 1.4MHz / 16QAM



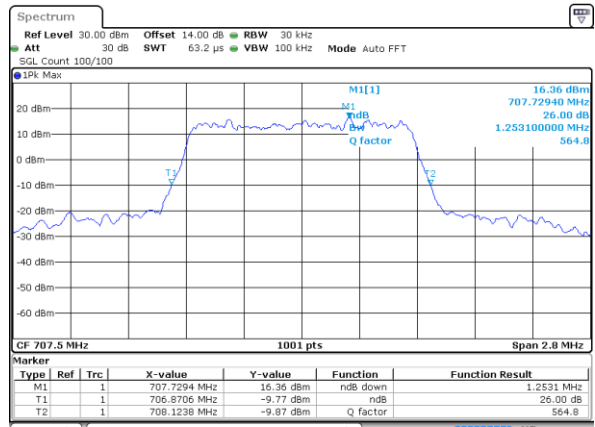
Date: 10 NOV 2017 05:42:31

Middle Channel / 1.4MHz / QPSK



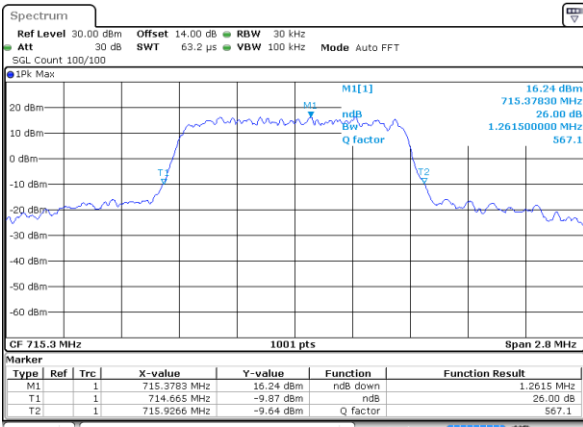
Date: 10 NOV 2017 05:49:28

Middle Channel / 1.4MHz / 16QAM



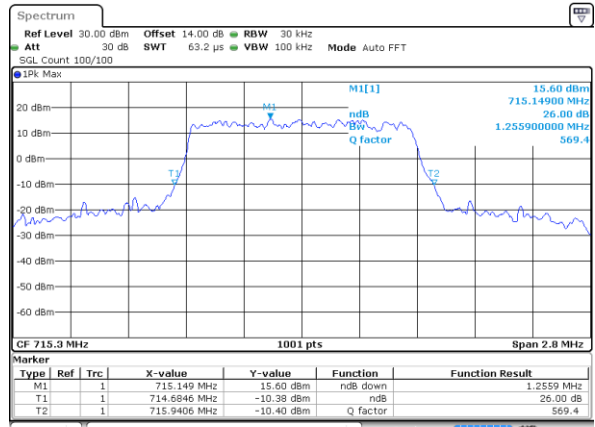
Date: 10 NOV 2017 05:49:38

Highest Channel / 1.4MHz / QPSK



Date: 10 NOV 2017 05:51:53

Highest Channel / 1.4MHz / 16QAM

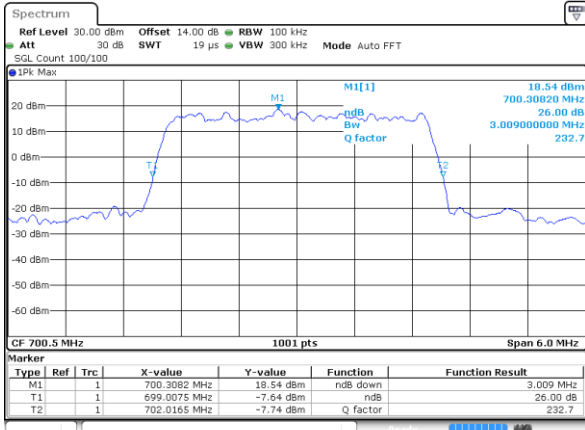


Date: 10 NOV 2017 05:52:03



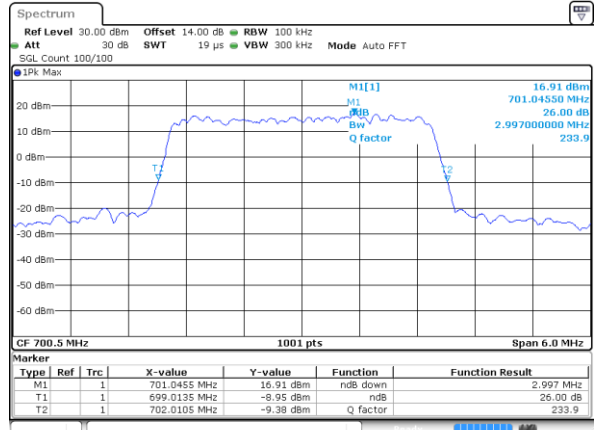
LTE Band 12

Lowest Channel / 3MHz / QPSK



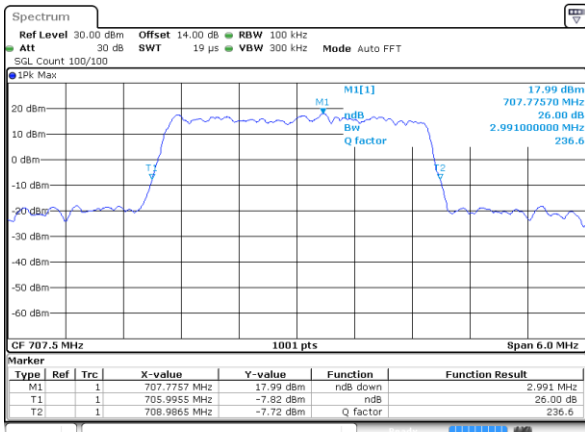
Date: 10 NOV 2017 05:58:51

Lowest Channel / 3MHz / 16QAM



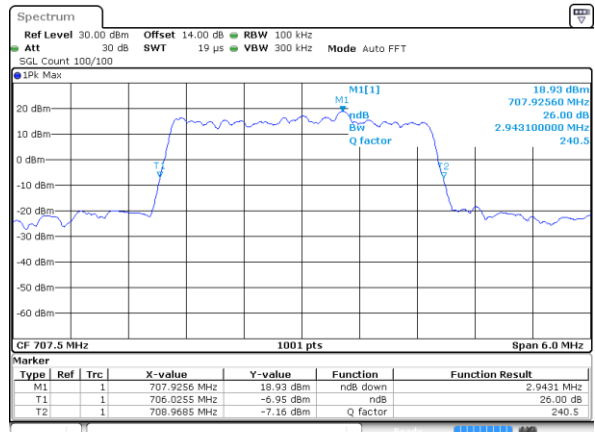
Date: 10 NOV 2017 05:59:00

Middle Channel / 3MHz / QPSK



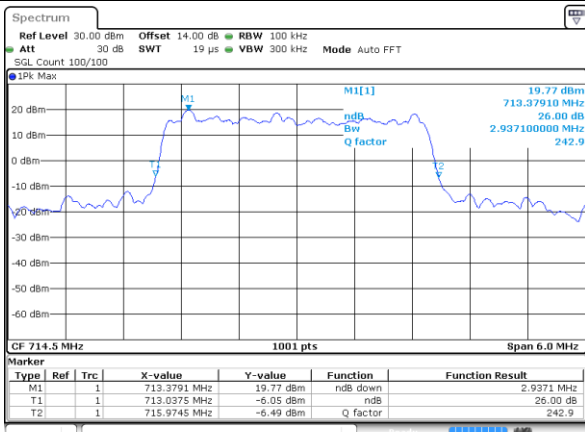
Date: 10 NOV 2017 06:05:48

Middle Channel / 3MHz / 16QAM



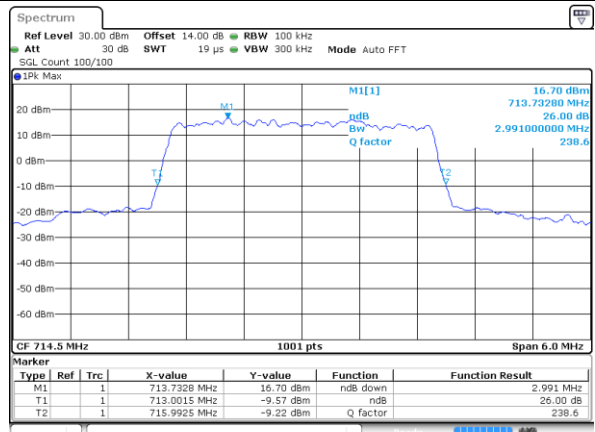
Date: 10 NOV 2017 06:05:58

Highest Channel / 3MHz / QPSK



Date: 10 NOV 2017 06:08:13

Highest Channel / 3MHz / 16QAM

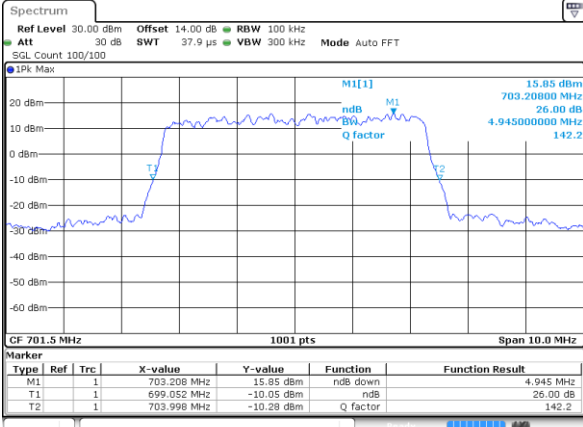


Date: 10 NOV 2017 06:08:23



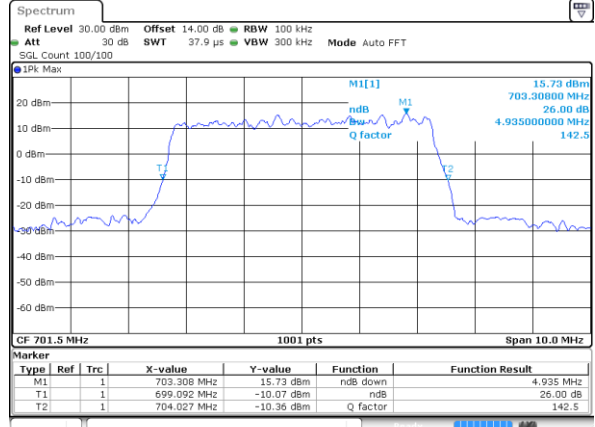
LTE Band 12

Lowest Channel / 5MHz / QPSK



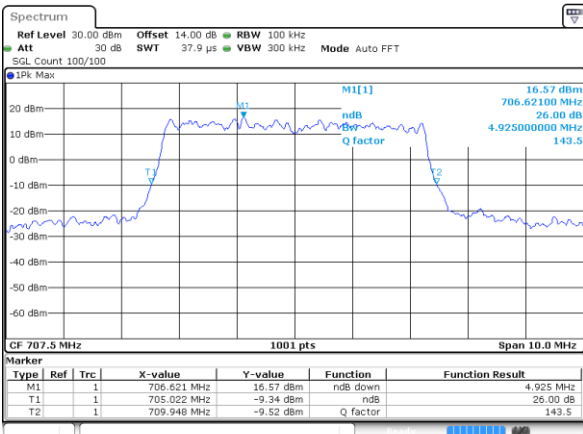
Date: 10 NOV 2017 06:15:11

Lowest Channel / 5MHz / 16QAM



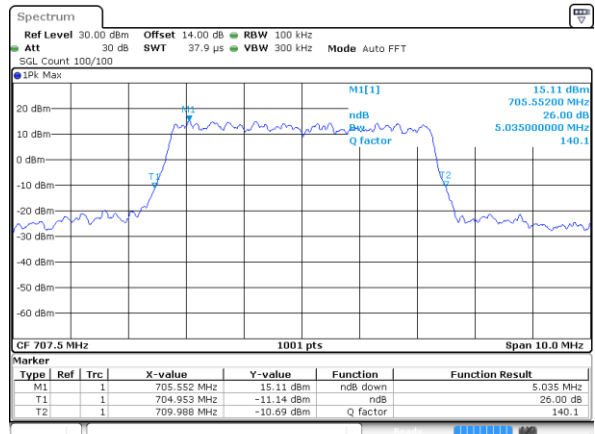
Date: 10 NOV 2017 06:15:21

Middle Channel / 5MHz / QPSK



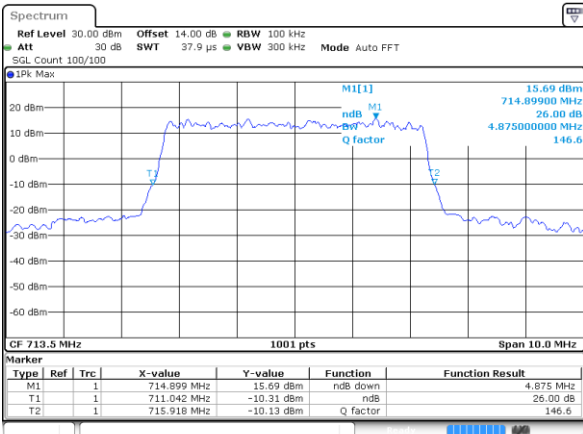
Date: 10 NOV 2017 06:22:08

Middle Channel / 5MHz / 16QAM



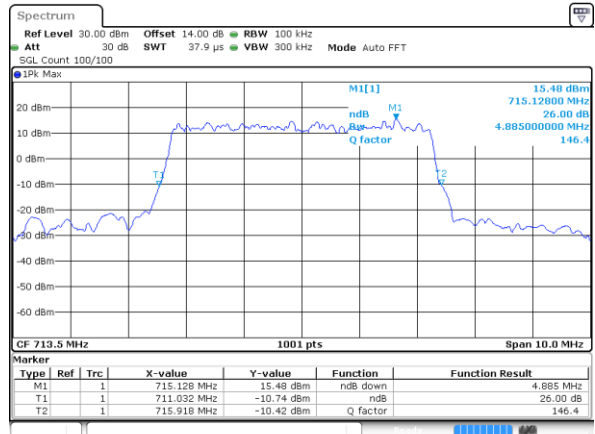
Date: 10 NOV 2017 06:22:19

Highest Channel / 5MHz / QPSK



Date: 10 NOV 2017 06:24:35

Highest Channel / 5MHz / 16QAM

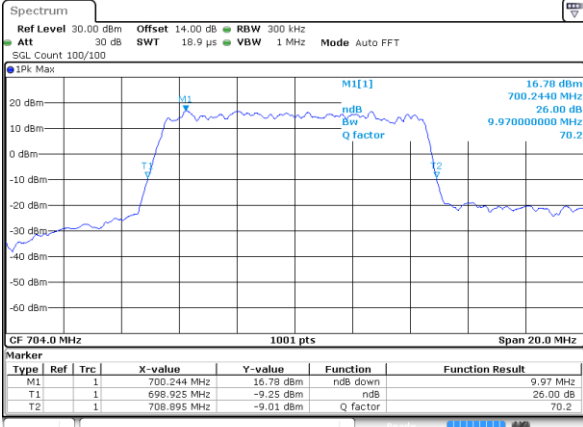


Date: 10 NOV 2017 06:24:44



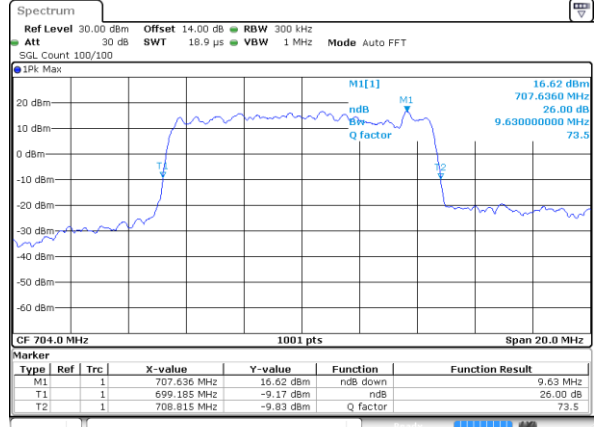
LTE Band 12

Lowest Channel / 10MHz / QPSK



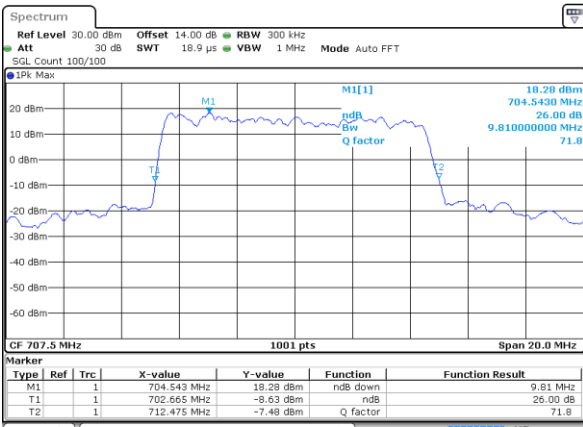
Date: 10 NOV 2017 06:31:32

Lowest Channel / 10MHz / 16QAM



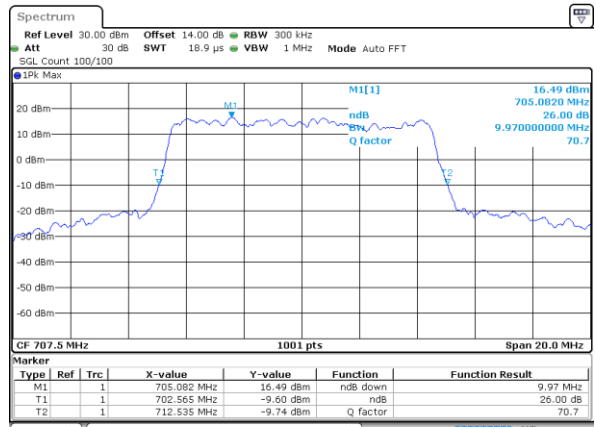
Date: 10 NOV 2017 06:31:42

Middle Channel / 10MHz / QPSK



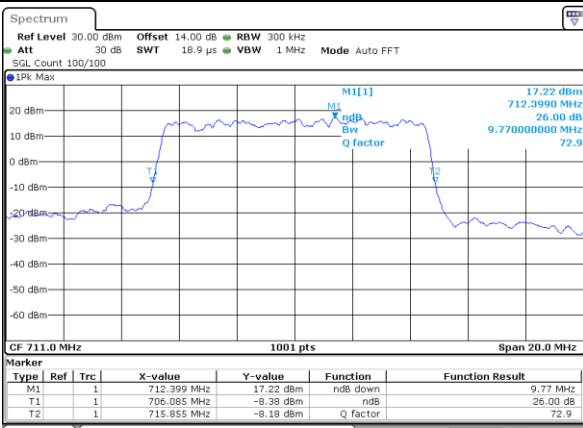
Date: 10 NOV 2017 06:38:29

Middle Channel / 10MHz / 16QAM



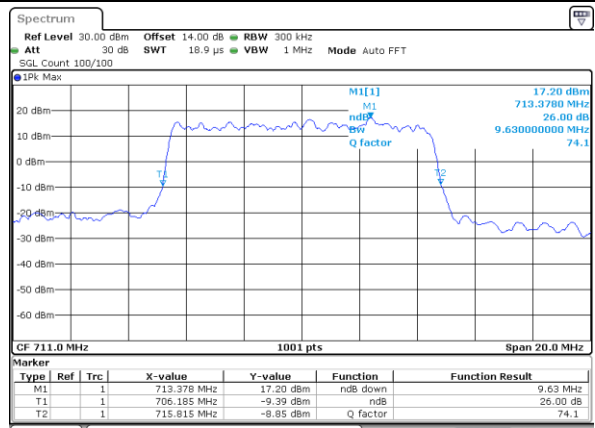
Date: 10 NOV 2017 06:38:39

Highest Channel / 10MHz / QPSK



Date: 10 NOV 2017 06:40:55

Highest Channel / 10MHz / 16QAM

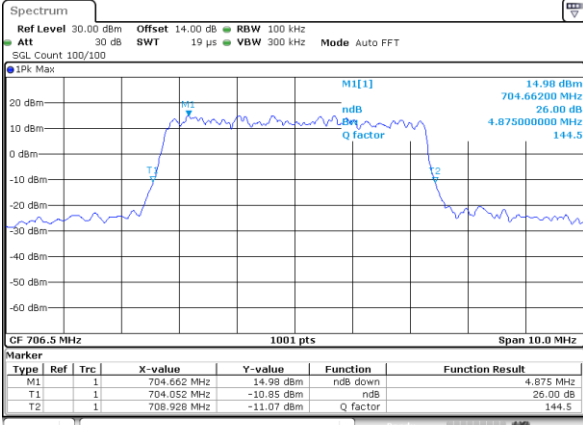


Date: 10 NOV 2017 06:41:04



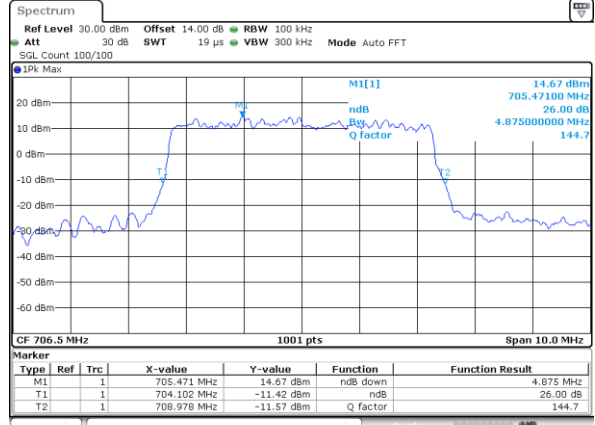
LTE Band 17

Lowest Channel / 5MHz / QPSK



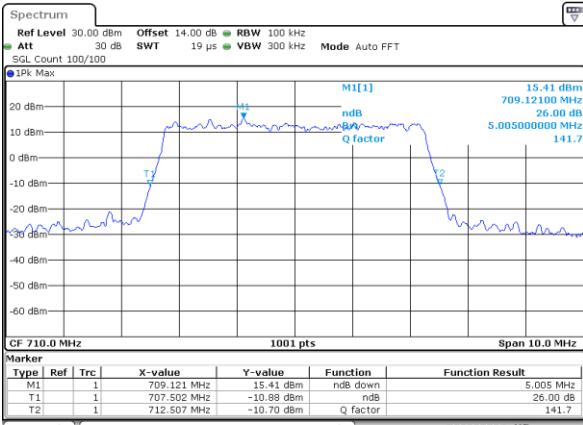
Date: 17.NOV.2017 19:50:36

Lowest Channel / 5MHz / 16QAM



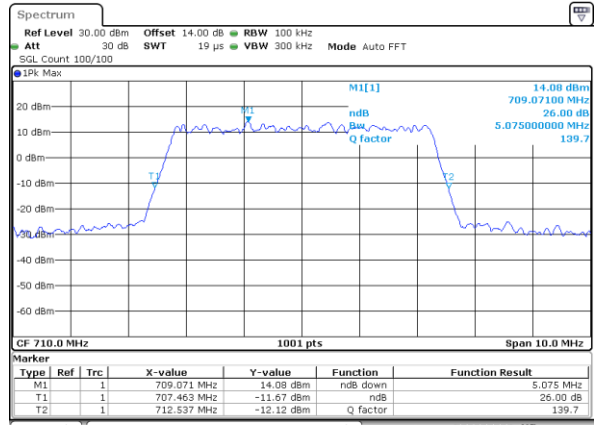
Date: 17.NOV.2017 19:50:47

Middle Channel / 5MHz / QPSK



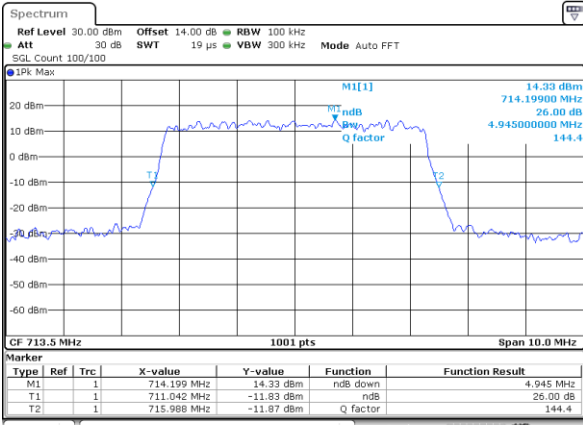
Date: 17.NOV.2017 19:57:54

Middle Channel / 5MHz / 16QAM



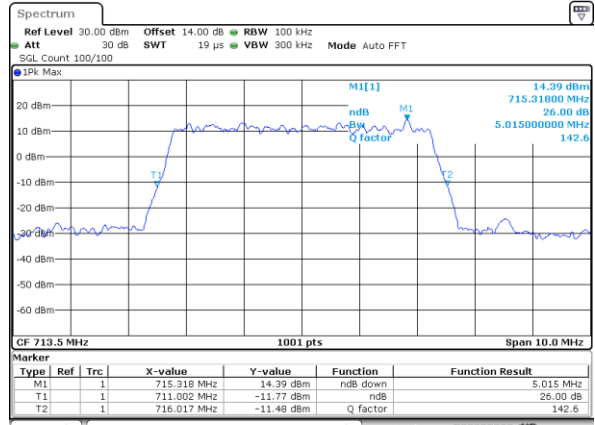
Date: 17.NOV.2017 19:58:05

Highest Channel / 5MHz / QPSK



Date: 17.NOV.2017 20:00:30

Highest Channel / 5MHz / 16QAM



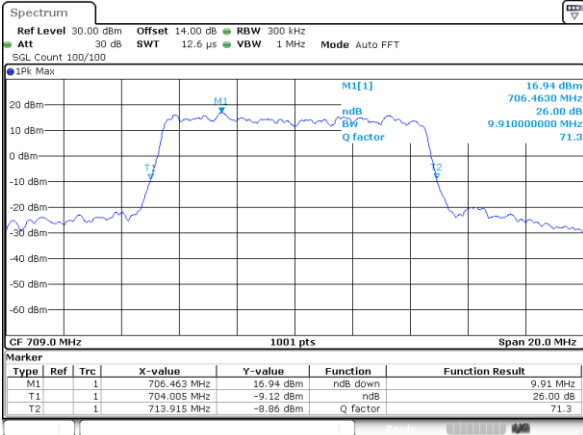
Date: 17.NOV.2017 20:00:41





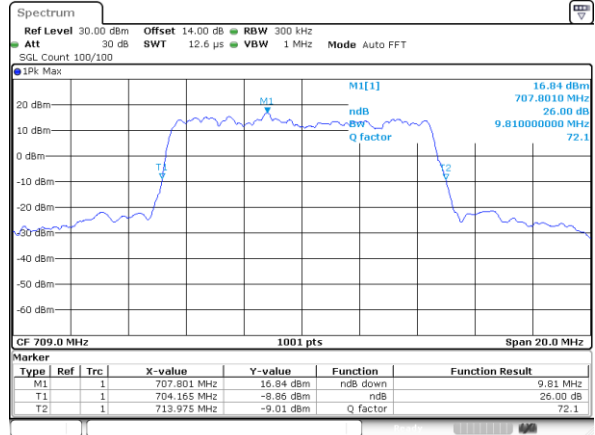
LTE Band 17

Lowest Channel / 10MHz / QPSK



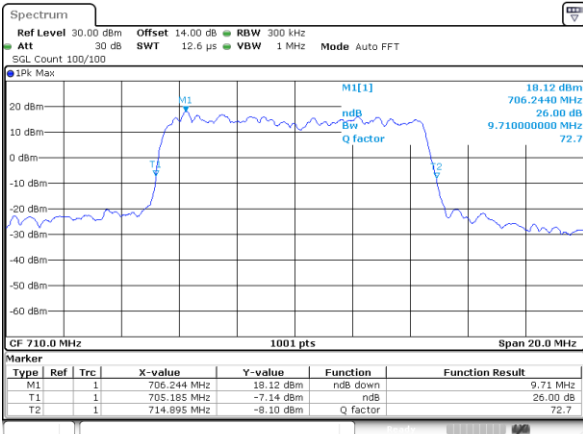
Date: 17.NOV.2017 20:07:47

Lowest Channel / 10MHz / 16QAM



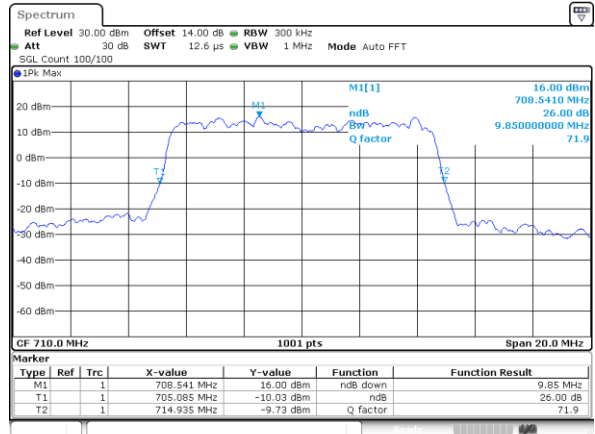
Date: 17.NOV.2017 20:07:58

Middle Channel / 10MHz / QPSK



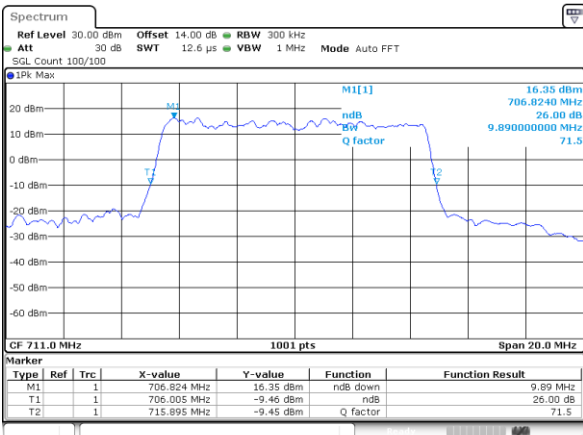
Date: 17.NOV.2017 20:15:05

Middle Channel / 10MHz / 16QAM



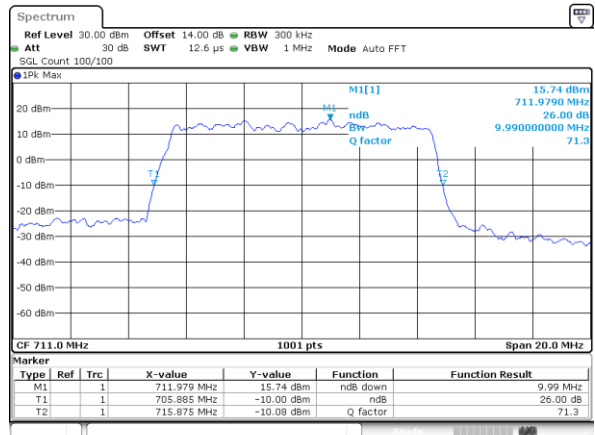
Date: 17.NOV.2017 20:15:15

Highest Channel / 10MHz / QPSK



Date: 17.NOV.2017 20:17:42

Highest Channel / 10MHz / 16QAM



Date: 17.NOV.2017 20:17:53



## 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	1.09	2.72	2.73	4.51	4.50	9.01	9.05	13.43	13.46	18.42	18.42
Middle CH	1.10	1.09	2.73	2.72	4.50	4.52	9.05	9.05	13.40	13.40	18.50	18.42
Highest CH	1.09	1.09	2.74	2.73	4.52	4.50	9.05	8.99	13.46	13.55	18.38	18.46

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	1.10	2.72	2.73	4.52	4.50	9.03	9.09	13.46	13.40	18.42	18.46
Middle CH	1.09	1.10	2.73	2.73	4.49	4.50	9.05	9.05	13.46	13.43	18.46	18.50
Highest CH	1.09	1.10	2.75	2.73	4.52	4.50	9.05	9.05	13.49	13.49	18.38	18.38

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	-	-	-	-	4.51	4.48	9.05	8.99	13.43	13.40	18.46	18.58
Middle CH	-	-	-	-	4.47	4.50	9.03	8.99	13.46	13.52	18.46	18.42
Highest CH	-	-	-	-	4.49	4.49	9.07	8.97	13.43	13.43	18.34	18.42

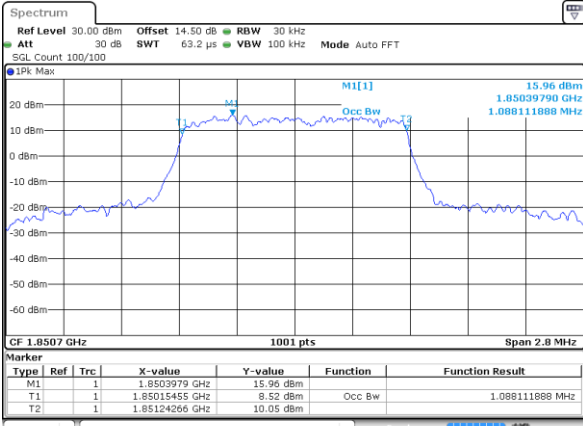
Mode	LTE Band 12 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.08	2.71	2.72	4.49	4.50	8.95	8.99	-	-	-	-
Middle CH	1.09	1.09	2.73	2.72	4.50	4.50	9.07	9.09	-	-	-	-
Highest CH	1.09	1.09	2.75	2.73	4.48	4.48	9.05	9.01	-	-	-	-

Mode	LTE Band 17 : 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	-	-	-	-	4.49	4.54	9.01	9.03	-	-	-	-
Middle CH	-	-	-	-	4.51	4.51	9.07	9.05	-	-	-	-
Highest CH	-	-	-	-	4.51	4.49	9.03	9.05	-	-	-	-



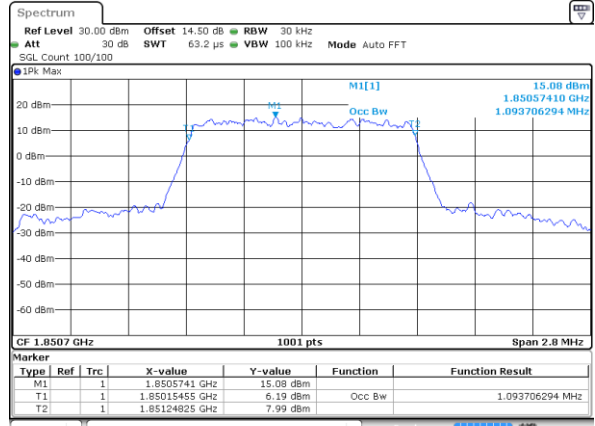
LTE Band 2

Lowest Channel / 1.4MHz / QPSK



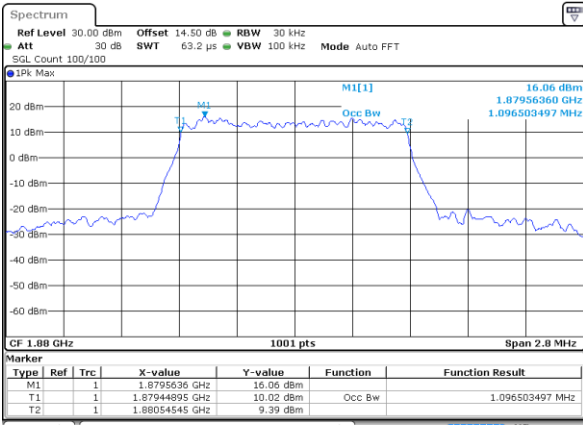
Date: 10 NOV 2017 03:28:06

Lowest Channel / 1.4MHz / 16QAM



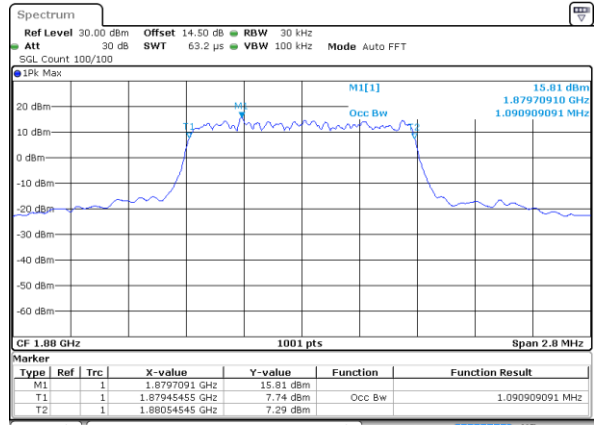
Date: 10 NOV 2017 03:28:16

Middle Channel / 1.4MHz / QPSK



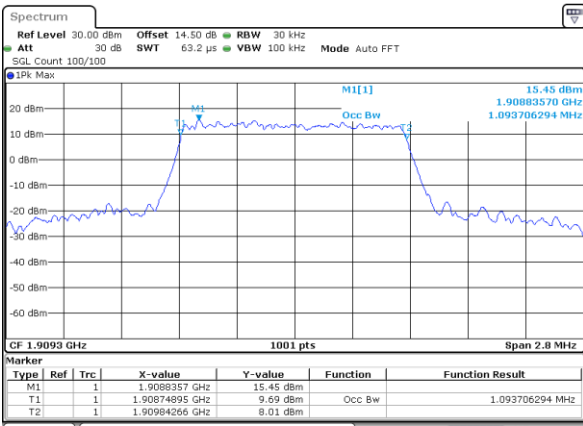
Date: 10 NOV 2017 03:35:03

Middle Channel / 1.4MHz / 16QAM



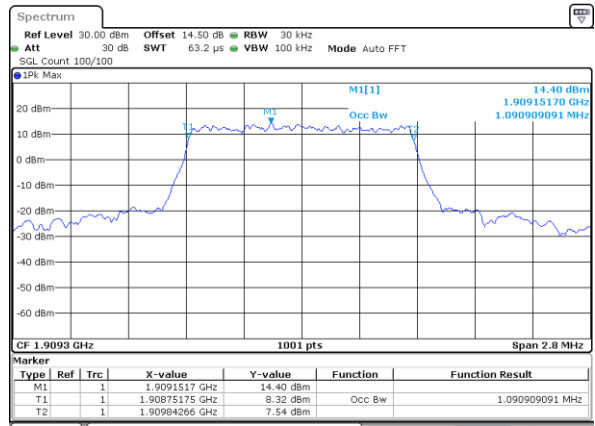
Date: 10 NOV 2017 03:35:13

Highest Channel / 1.4MHz / QPSK



Date: 10 NOV 2017 03:37:30

Highest Channel / 1.4MHz / 16QAM

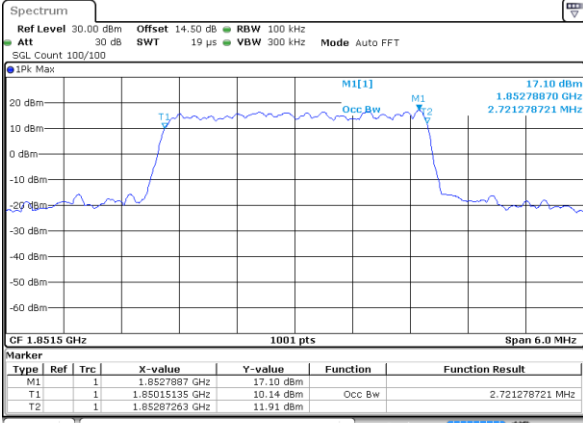


Date: 10 NOV 2017 03:37:39



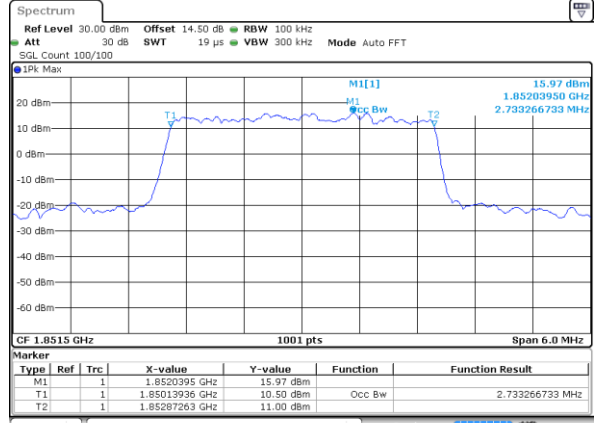
LTE Band 2

Lowest Channel / 3MHz / QPSK



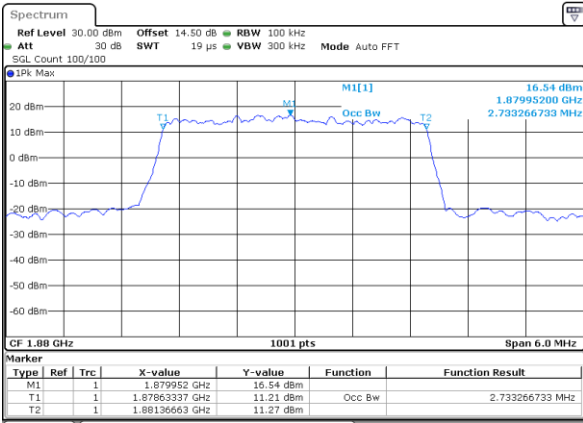
Date: 10 NOV 2017 03:44:27

Lowest Channel / 3MHz / 16QAM



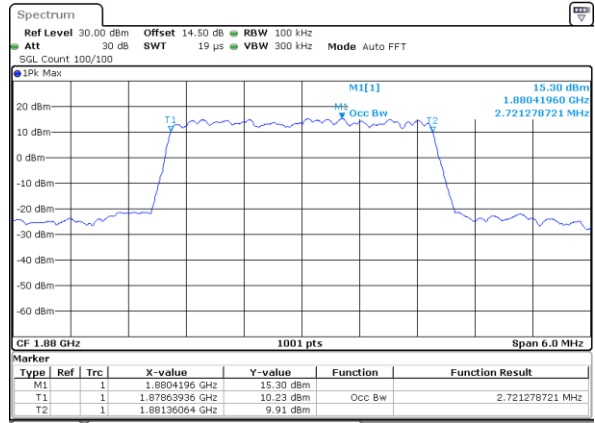
Date: 10 NOV 2017 03:44:37

Middle Channel / 3MHz / QPSK



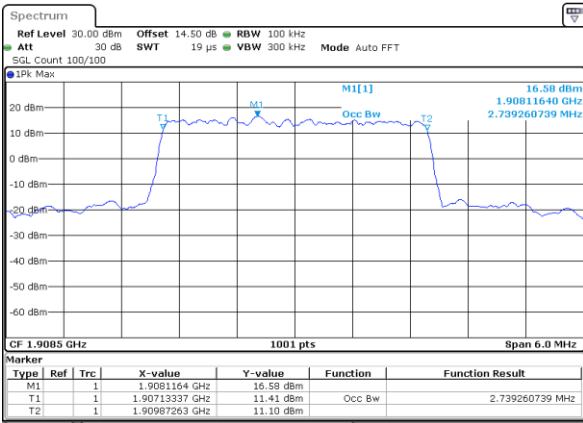
Date: 10 NOV 2017 03:51:24

Middle Channel / 3MHz / 16QAM



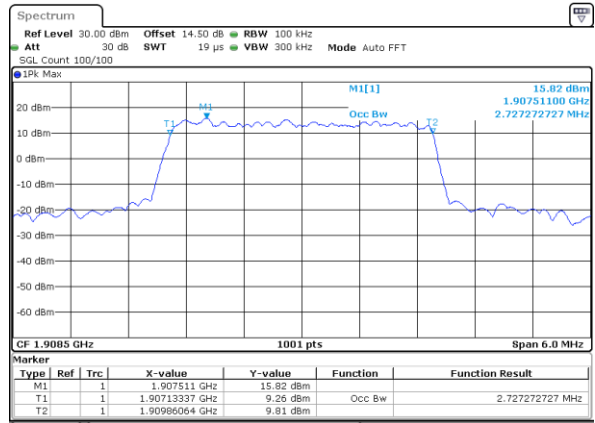
Date: 10 NOV 2017 03:51:34

Highest Channel / 3MHz / QPSK



Date: 10 NOV 2017 03:53:50

Highest Channel / 3MHz / 16QAM

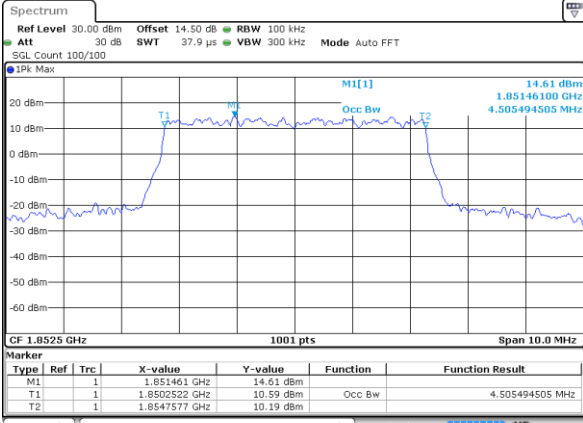


Date: 10 NOV 2017 03:54:00



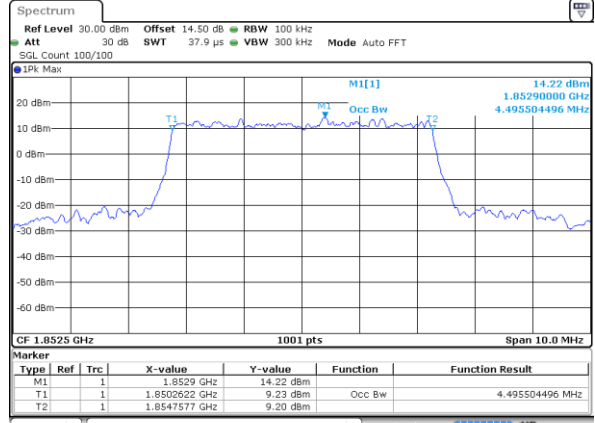
LTE Band 2

Lowest Channel / 5MHz / QPSK



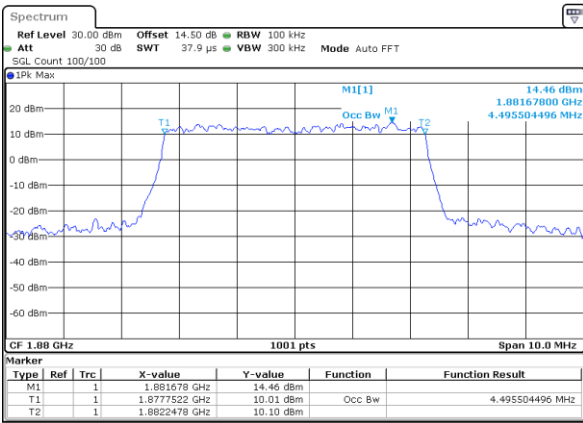
Date: 10 NOV 2017 04:00:47

Lowest Channel / 5MHz / 16QAM



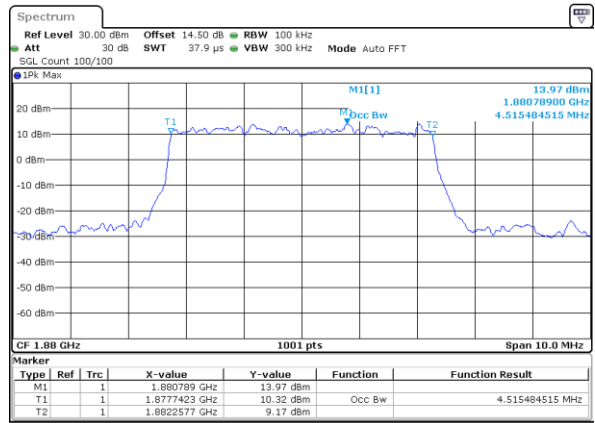
Date: 10 NOV 2017 04:00:57

Middle Channel / 5MHz / QPSK



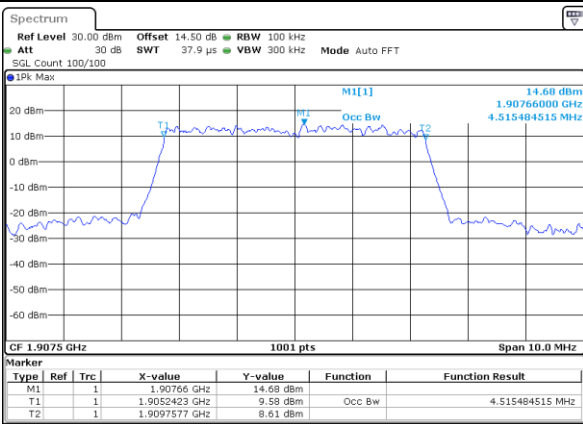
Date: 10 NOV 2017 04:07:45

Middle Channel / 5MHz / 16QAM



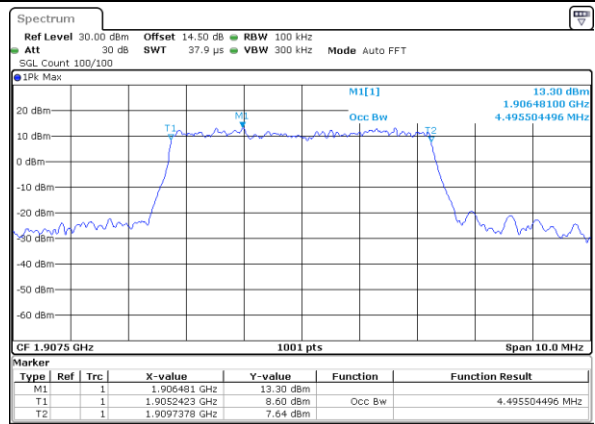
Date: 10 NOV 2017 04:07:55

Highest Channel / 5MHz / QPSK



Date: 10 NOV 2017 04:10:11

Highest Channel / 5MHz / 16QAM

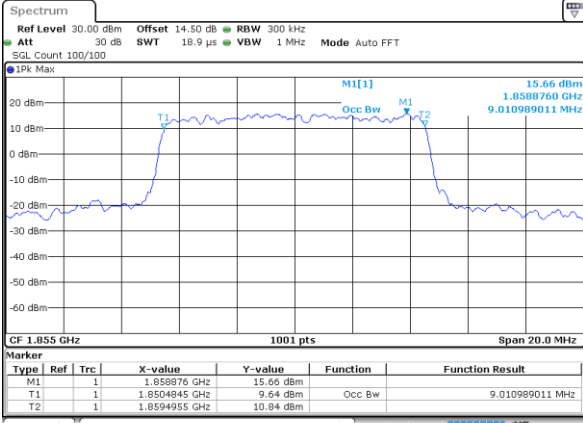


Date: 10 NOV 2017 04:10:21



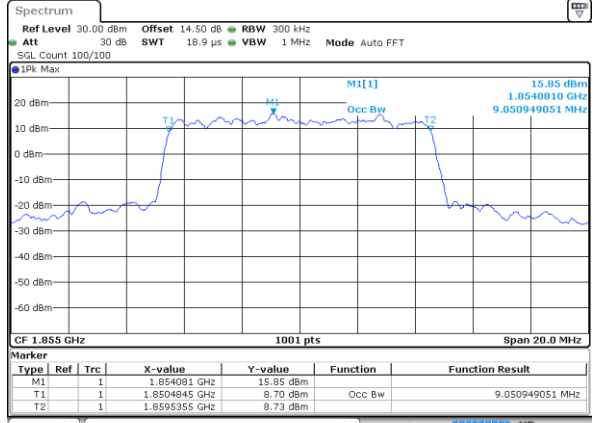
LTE Band 2

Lowest Channel / 10MHz / QPSK



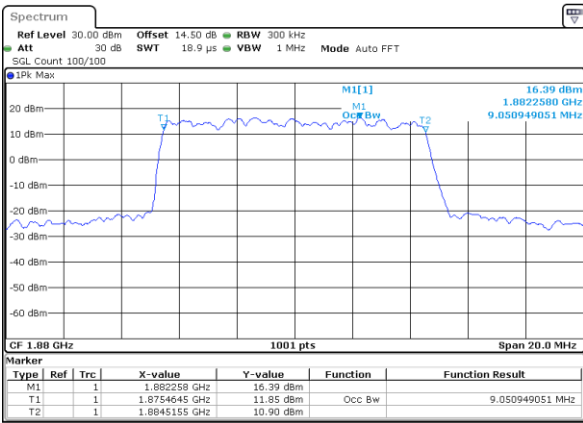
Date: 10 NOV 2017 04:17:08

Lowest Channel / 10MHz / 16QAM



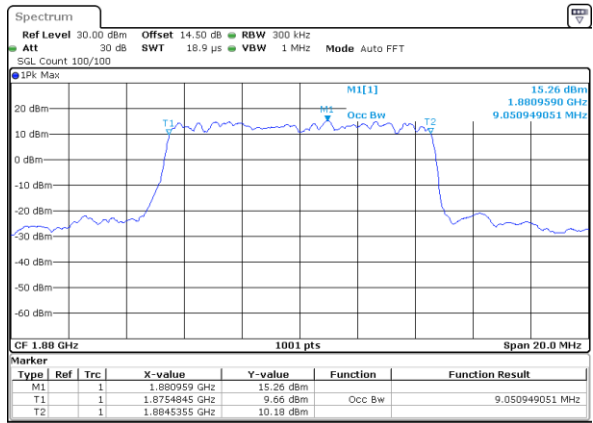
Date: 10 NOV 2017 04:17:18

Middle Channel / 10MHz / QPSK



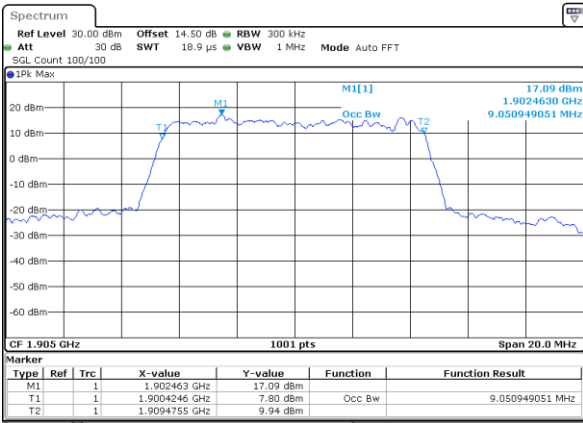
Date: 10 NOV 2017 04:24:05

Middle Channel / 10MHz / 16QAM



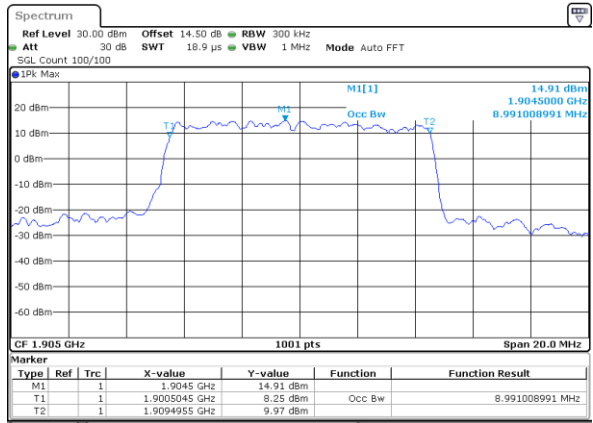
Date: 10 NOV 2017 04:24:15

Highest Channel / 10MHz / QPSK



Date: 10 NOV 2017 04:26:31

Highest Channel / 10MHz / 16QAM

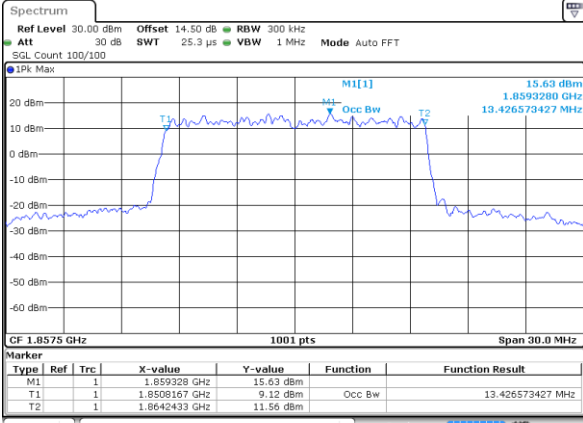


Date: 10 NOV 2017 04:26:41



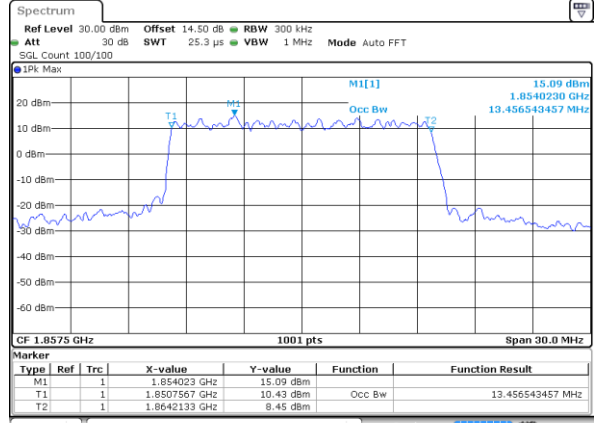
LTE Band 2

Lowest Channel / 15MHz / QPSK



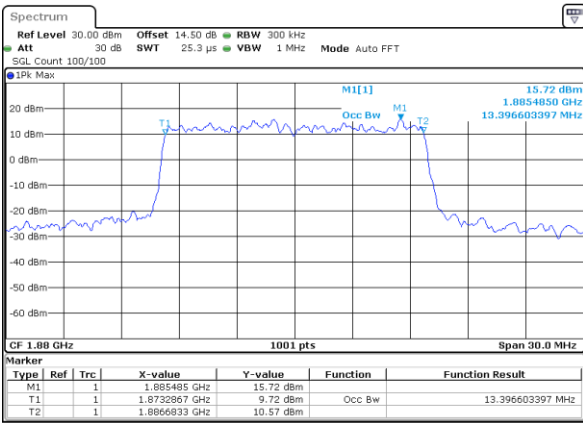
Date: 10 NOV 2017 04:33:28

Lowest Channel / 15MHz / 16QAM



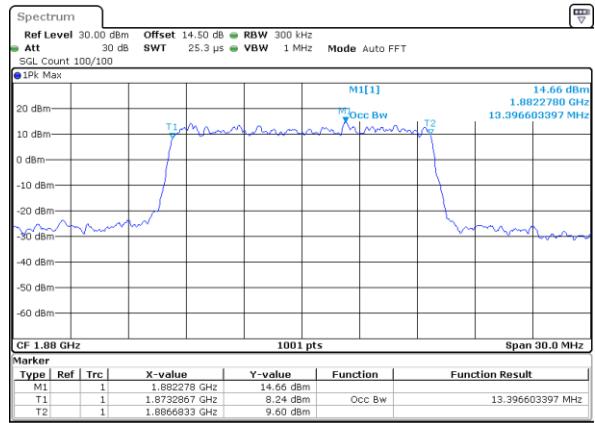
Date: 10 NOV 2017 04:33:38

Middle Channel / 15MHz / QPSK



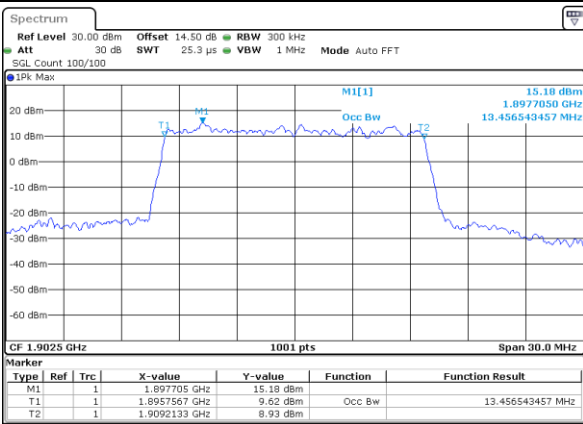
Date: 10 NOV 2017 04:40:26

Middle Channel / 15MHz / 16QAM



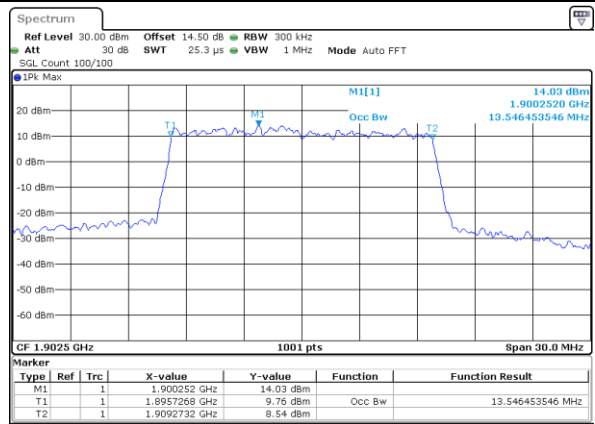
Date: 10 NOV 2017 04:40:36

Highest Channel / 15MHz / QPSK



Date: 10 NOV 2017 04:42:51

Highest Channel / 15MHz / 16QAM



Date: 10 NOV 2017 04:43:01