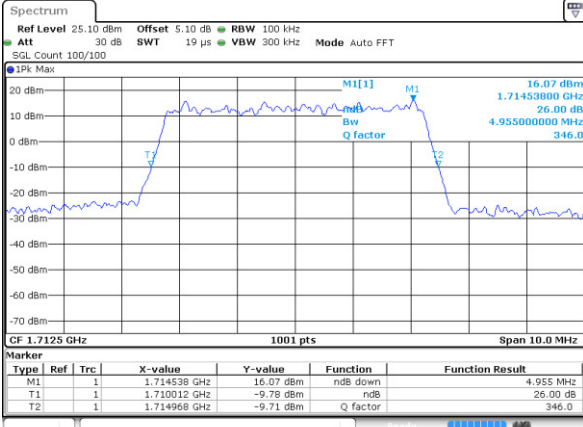




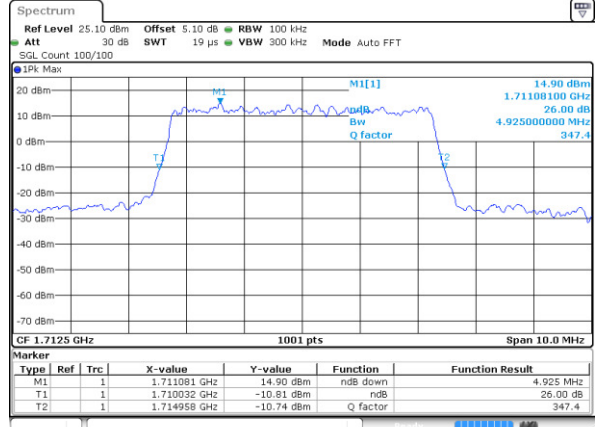
LTE Band 4

Lowest Channel / 5MHz / QPSK



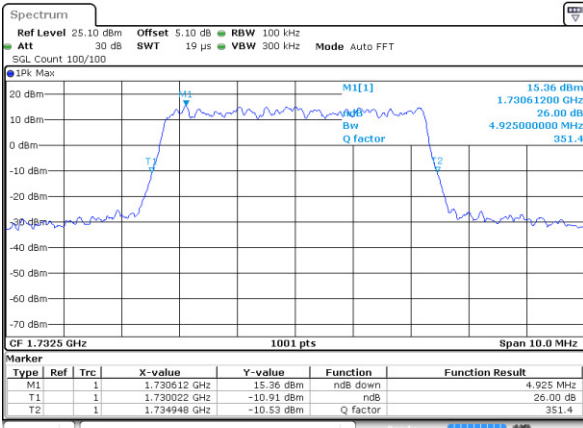
Date: 6 DEC 2017 13:14:34

Lowest Channel / 5MHz / 16QAM



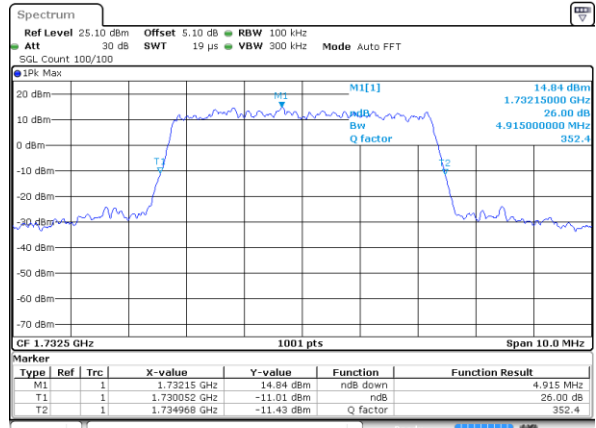
Date: 6 DEC 2017 13:14:44

Middle Channel / 5MHz / QPSK



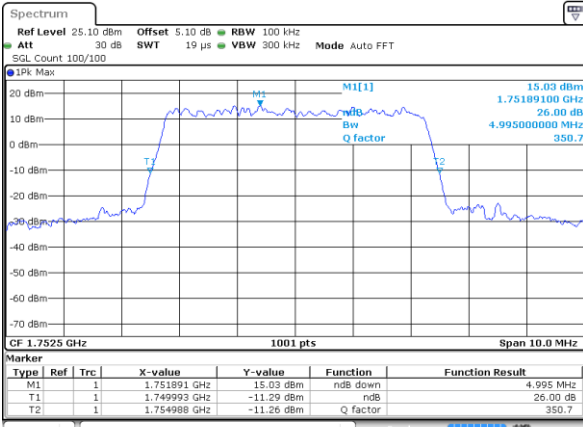
Date: 6 DEC 2017 13:21:33

Middle Channel / 5MHz / 16QAM



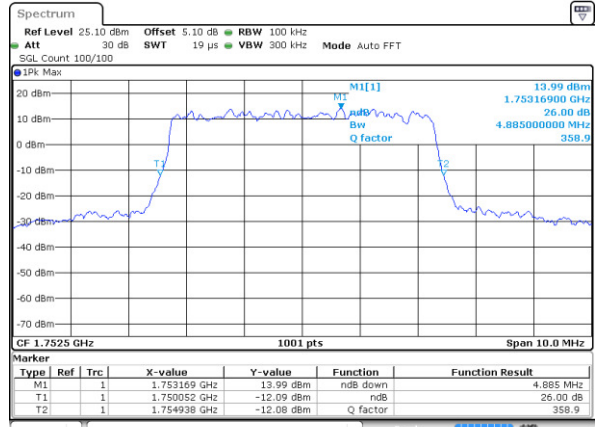
Date: 6 DEC 2017 13:21:43

Highest Channel / 5MHz / QPSK



Date: 6 DEC 2017 13:24:03

Highest Channel / 5MHz / 16QAM

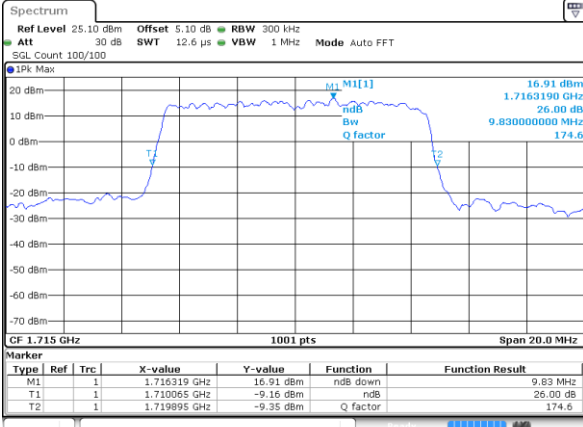


Date: 6 DEC 2017 13:24:13



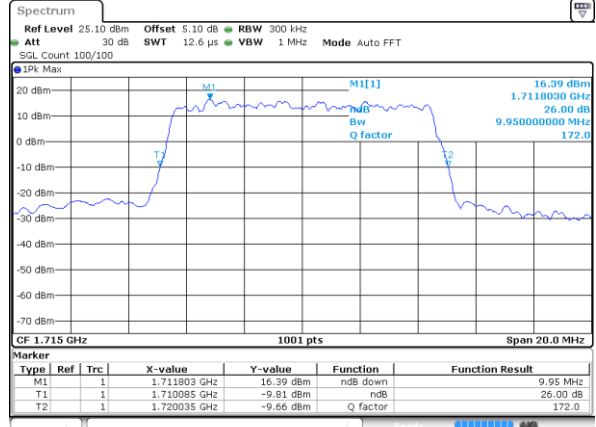
LTE Band 4

Lowest Channel / 10MHz / QPSK



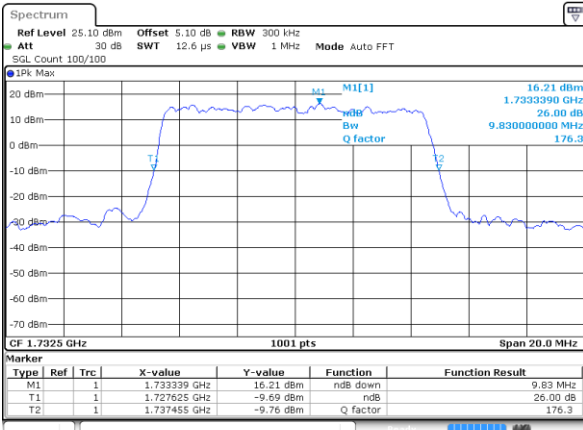
Date: 6 DEC 2017 13:31:03

Lowest Channel / 10MHz / 16QAM



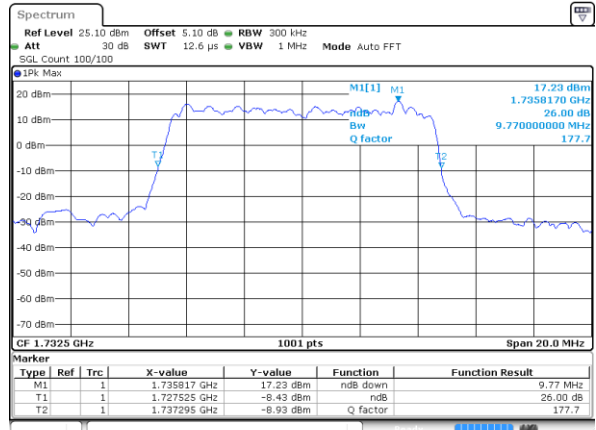
Date: 6 DEC 2017 13:31:13

Middle Channel / 10MHz / QPSK



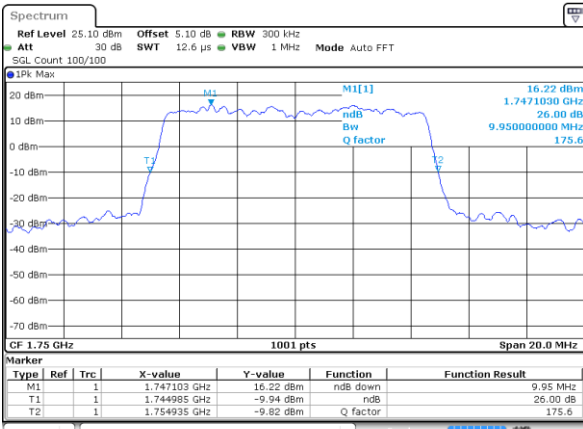
Date: 6 DEC 2017 13:38:02

Middle Channel / 10MHz / 16QAM



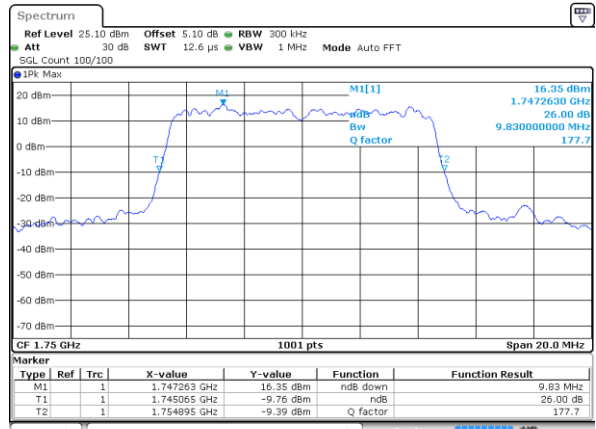
Date: 6 DEC 2017 13:38:12

Highest Channel / 10MHz / QPSK



Date: 6 DEC 2017 13:40:32

Highest Channel / 10MHz / 16QAM

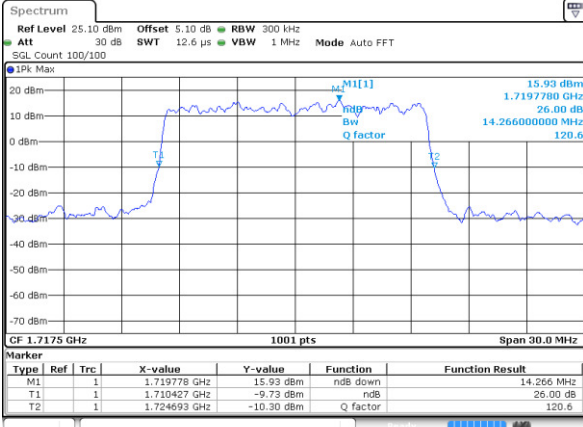


Date: 6 DEC 2017 13:40:42



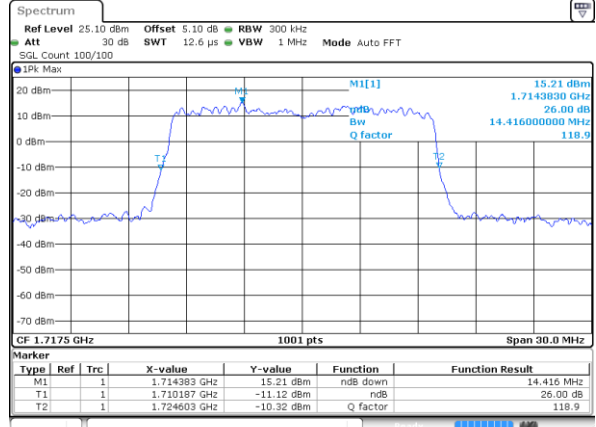
LTE Band 4

Lowest Channel / 15MHz / QPSK



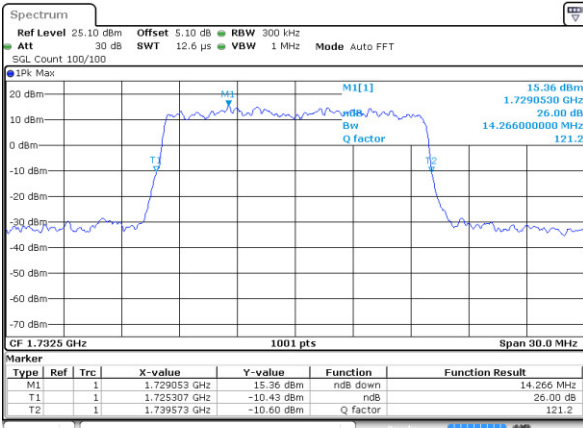
Date: 6 DEC 2017 13:47:32

Lowest Channel / 15MHz / 16QAM



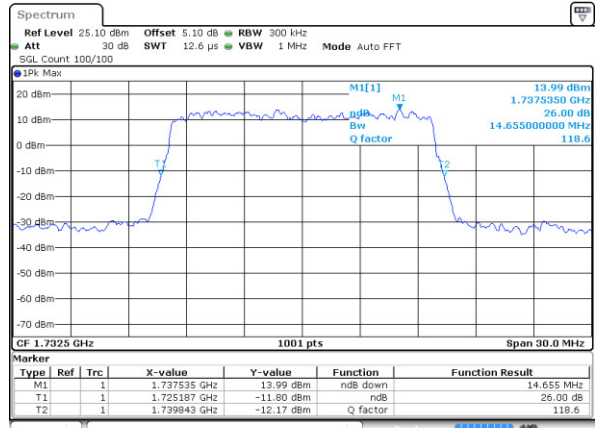
Date: 6 DEC 2017 13:47:42

Middle Channel / 15MHz / QPSK



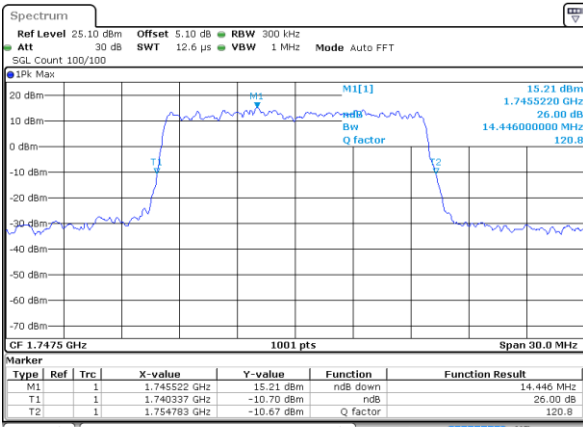
Date: 6 DEC 2017 13:54:32

Middle Channel / 15MHz / 16QAM



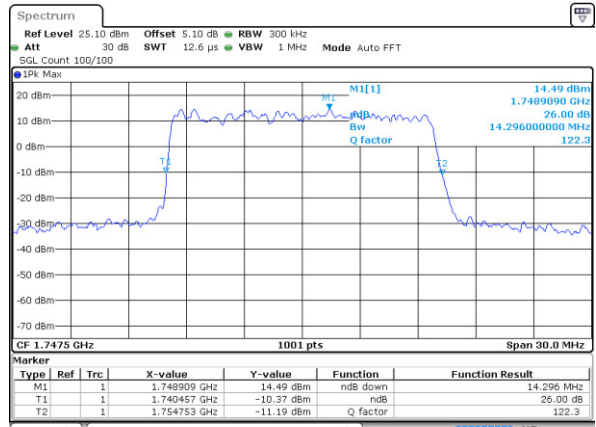
Date: 6 DEC 2017 13:54:42

Highest Channel / 15MHz / QPSK



Date: 6 DEC 2017 13:57:01

Highest Channel / 15MHz / 16QAM

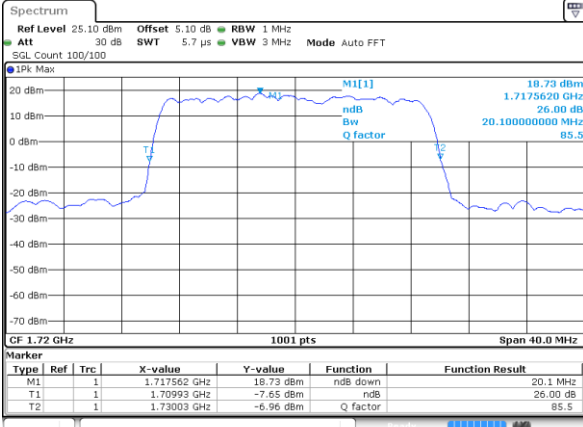


Date: 6 DEC 2017 13:57:11



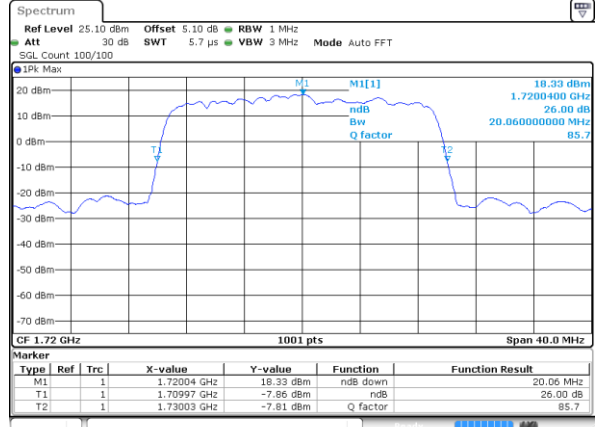
LTE Band 4

Lowest Channel / 20MHz / QPSK



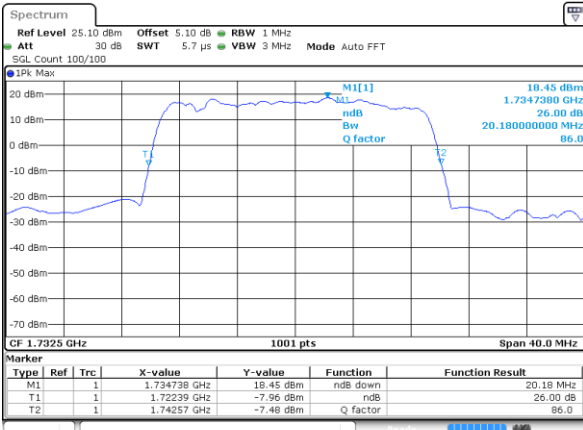
Date: 6 DEC 2017 14:04:01

Lowest Channel / 20MHz / 16QAM



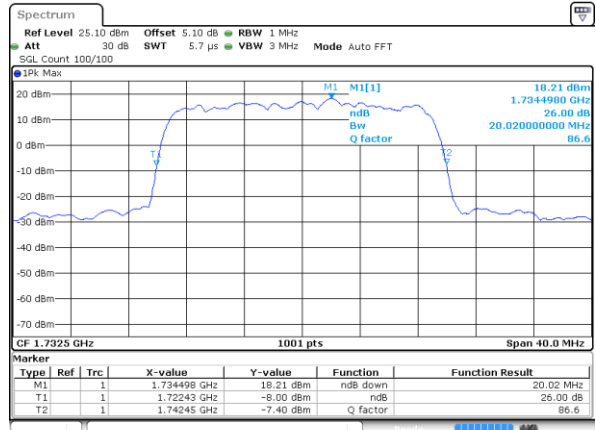
Date: 6 DEC 2017 14:04:11

Middle Channel / 20MHz / QPSK



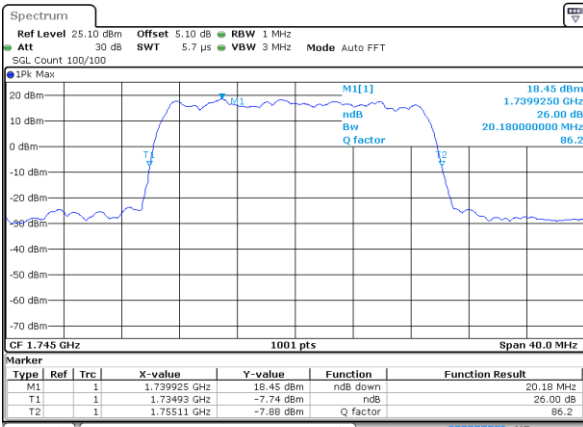
Date: 6 DEC 2017 14:11:01

Middle Channel / 20MHz / 16QAM



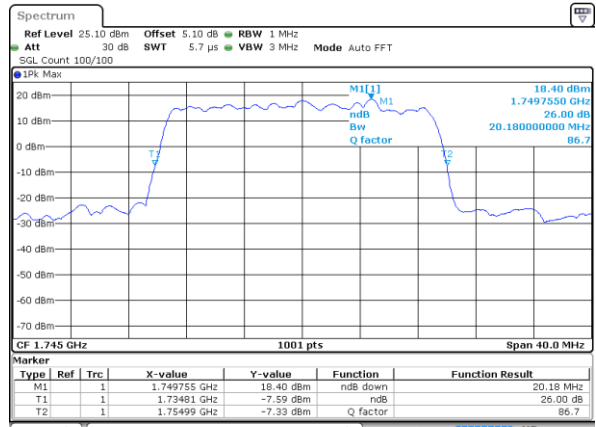
Date: 6 DEC 2017 14:11:11

Highest Channel / 20MHz / QPSK



Date: 6 DEC 2017 14:13:30

Highest Channel / 20MHz / 16QAM

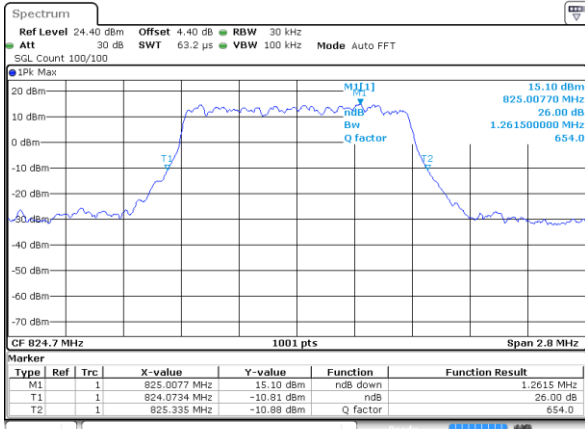


Date: 6 DEC 2017 14:13:40



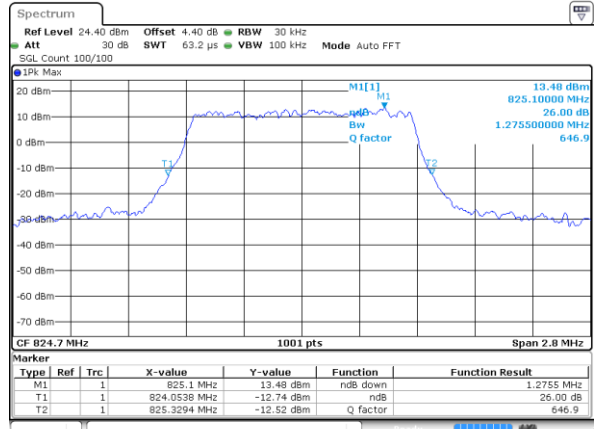
LTE Band 5

Lowest Channel / 1.4MHz / QPSK



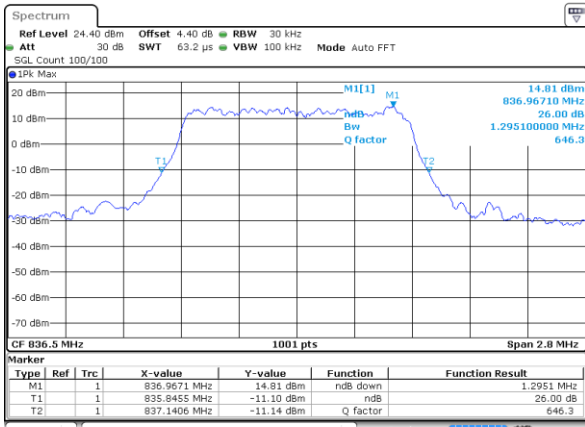
Date: 5 DEC 2017 18:59:24

Lowest Channel / 1.4MHz / 16QAM



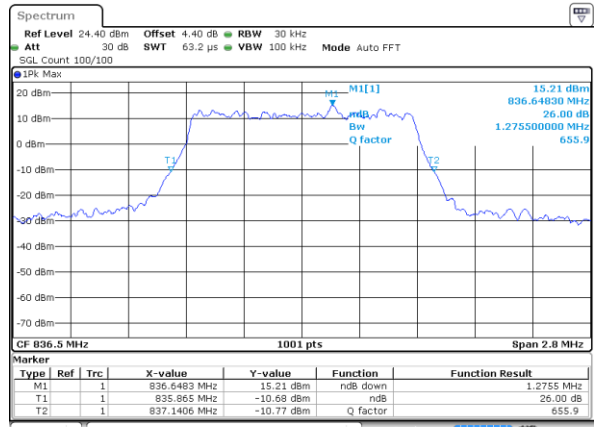
Date: 5 DEC 2017 18:59:13

Middle Channel / 1.4MHz / QPSK



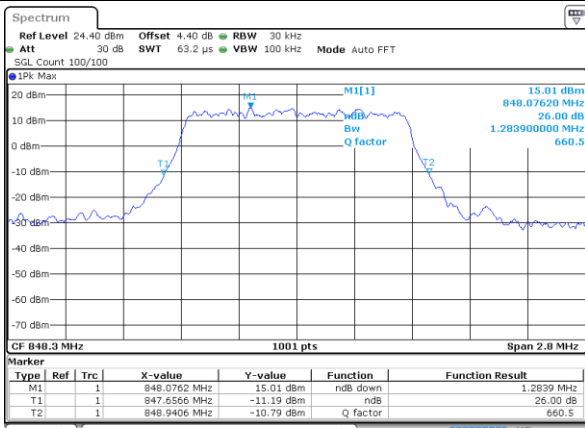
Date: 5 DEC 2017 19:08:19

Middle Channel / 1.4MHz / 16QAM



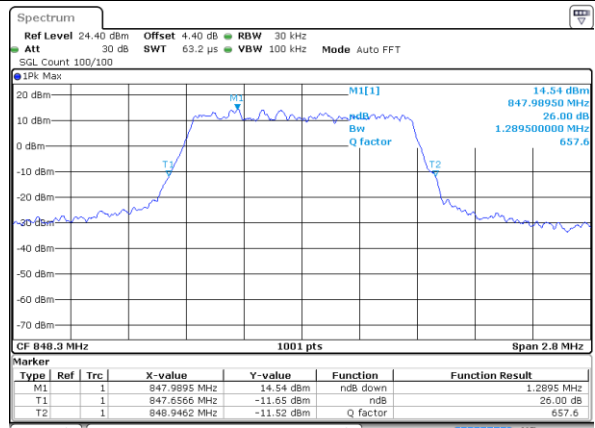
Date: 5 DEC 2017 19:08:30

Highest Channel / 1.4MHz / QPSK



Date: 5 DEC 2017 19:10:53

Highest Channel / 1.4MHz / 16QAM

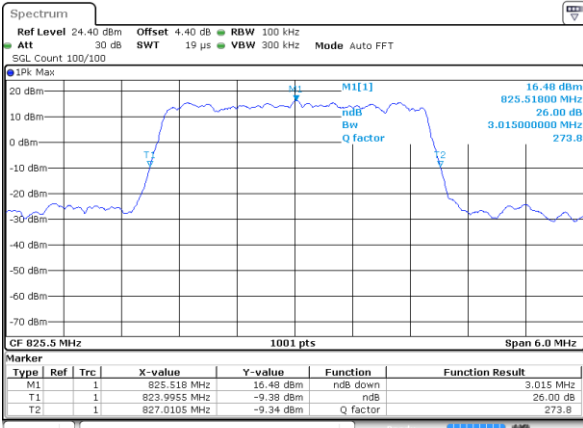


Date: 5 DEC 2017 19:11:04



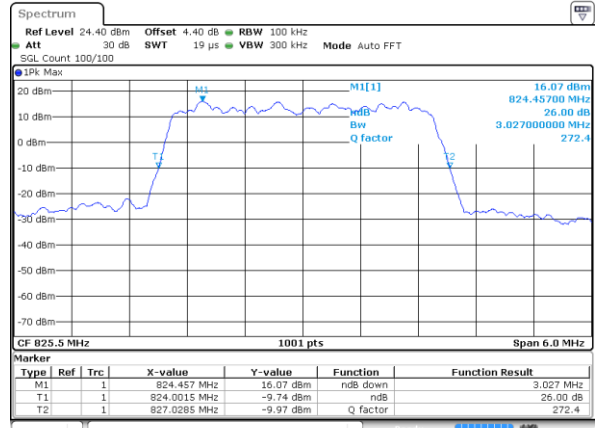
LTE Band 5

Lowest Channel / 3MHz / QPSK



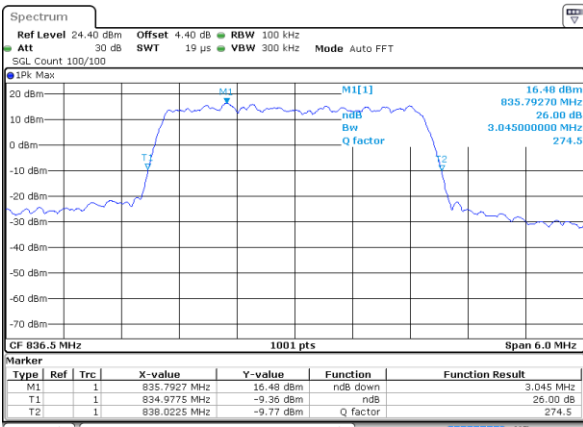
Date: 5 DEC 2017 19:20:01

Lowest Channel / 3MHz / 16QAM



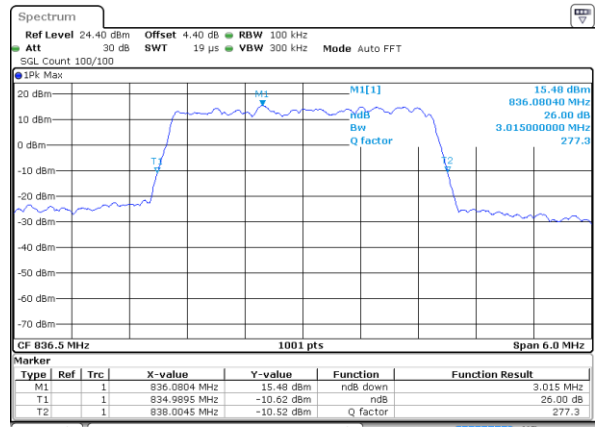
Date: 5 DEC 2017 19:20:11

Middle Channel / 3MHz / QPSK



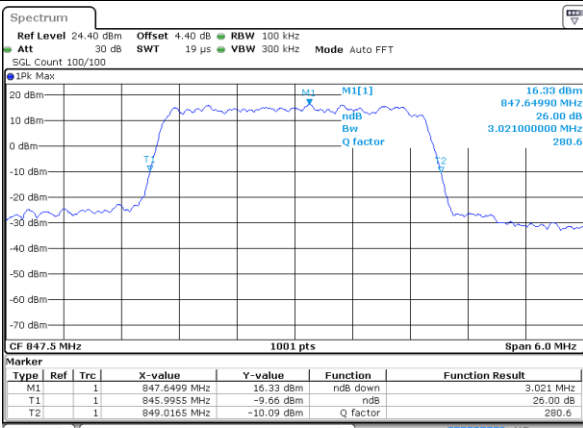
Date: 5 DEC 2017 19:29:07

Middle Channel / 3MHz / 16QAM



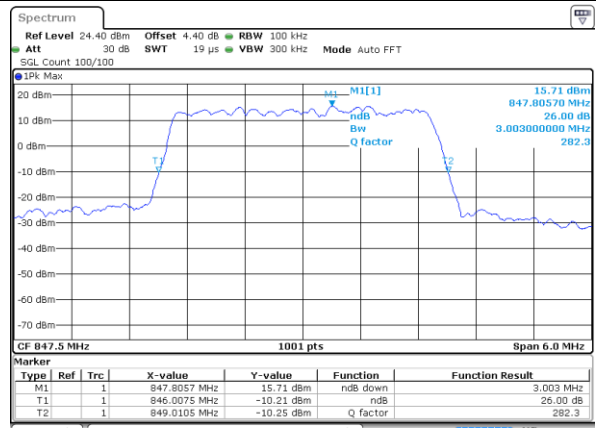
Date: 5 DEC 2017 19:29:18

Highest Channel / 3MHz / QPSK



Date: 5 DEC 2017 19:31:42

Highest Channel / 3MHz / 16QAM

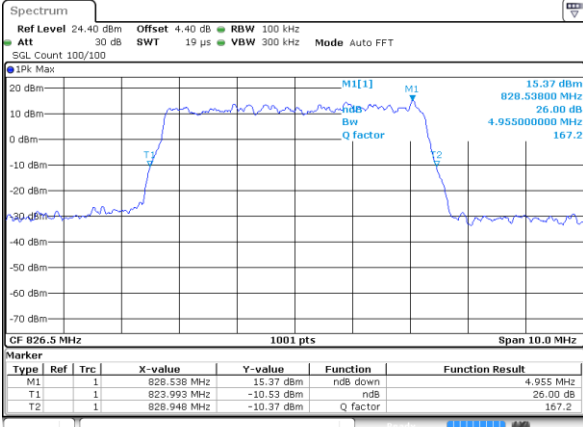


Date: 5 DEC 2017 19:31:52



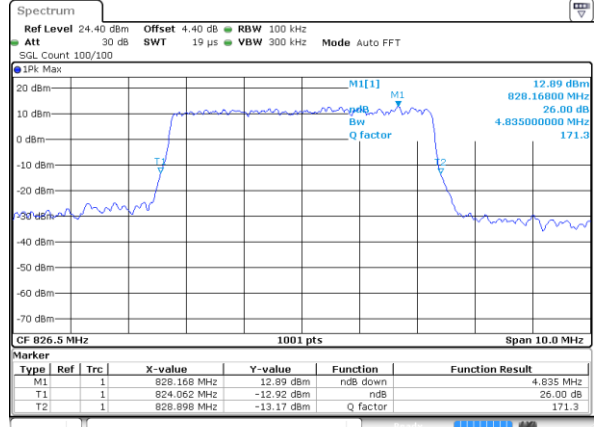
LTE Band 5

Lowest Channel / 5MHz / QPSK



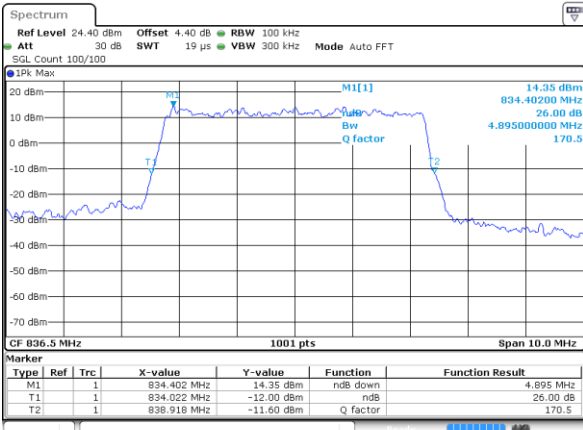
Date: 5 DEC 2017 19:40:49

Lowest Channel / 5MHz / 16QAM



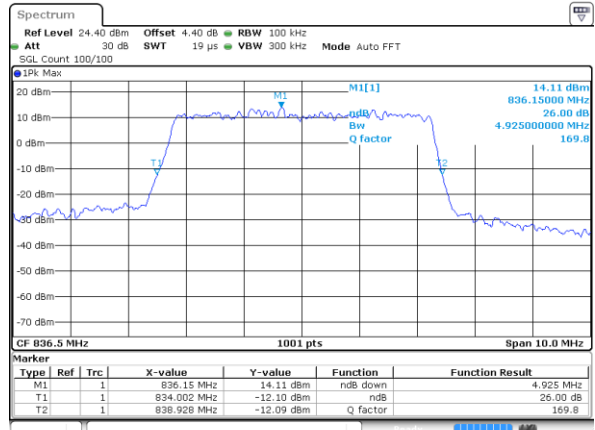
Date: 5 DEC 2017 19:41:00

Middle Channel / 5MHz / QPSK



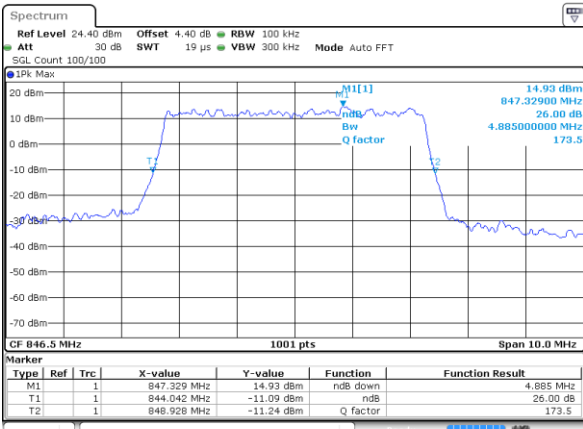
Date: 5 DEC 2017 19:49:56

Middle Channel / 5MHz / 16QAM



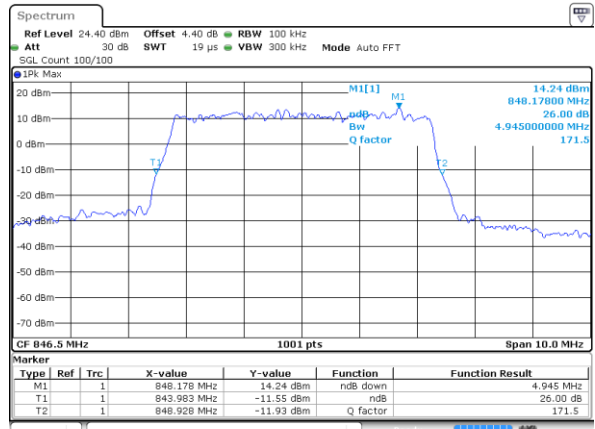
Date: 5 DEC 2017 19:50:07

Highest Channel / 5MHz / QPSK



Date: 5 DEC 2017 19:52:30

Highest Channel / 5MHz / 16QAM

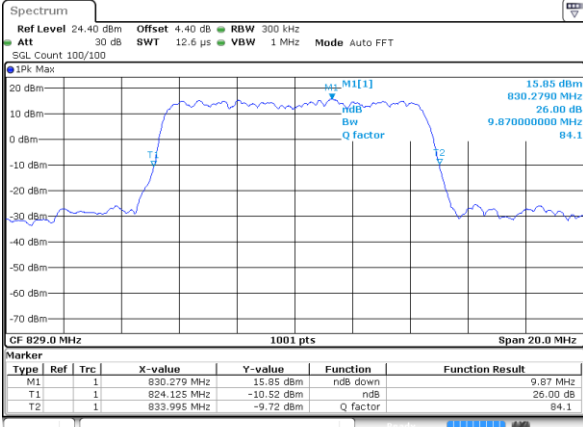


Date: 5 DEC 2017 19:52:41



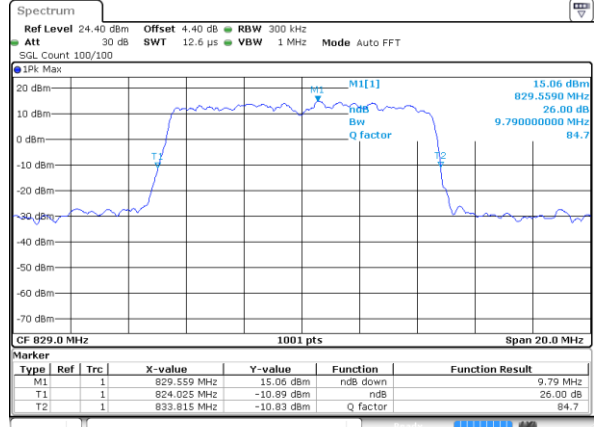
LTE Band 5

Lowest Channel / 10MHz / QPSK



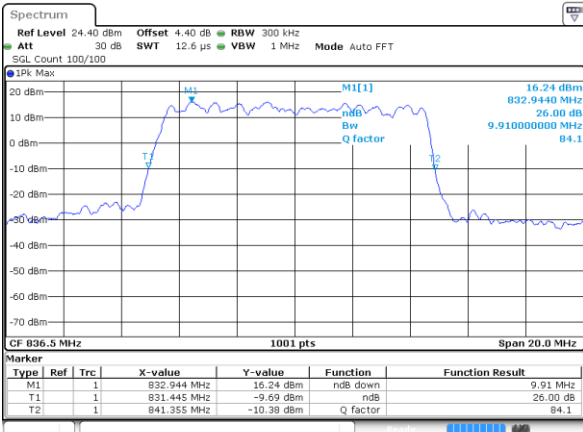
Date: 5 DEC 2017 20:01:37

Lowest Channel / 10MHz / 16QAM



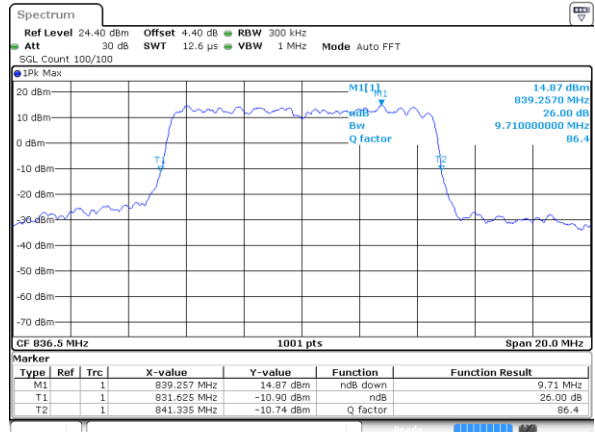
Date: 5 DEC 2017 20:01:47

Middle Channel / 10MHz / QPSK



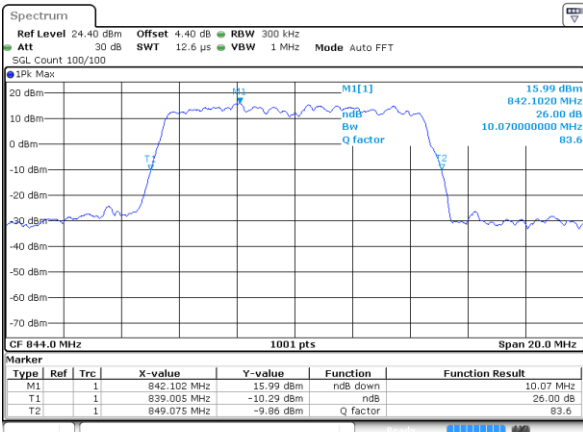
Date: 5 DEC 2017 20:10:45

Middle Channel / 10MHz / 16QAM



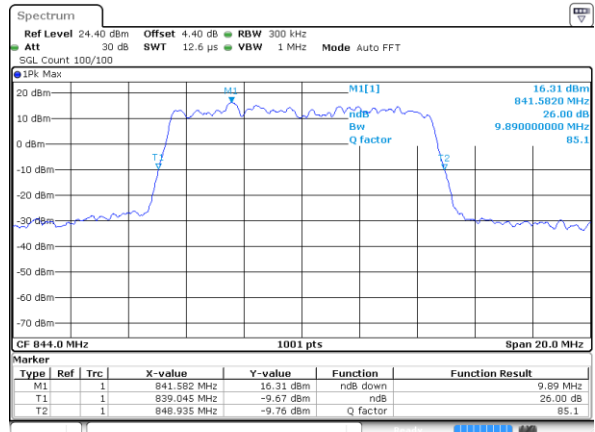
Date: 5 DEC 2017 20:10:55

Highest Channel / 10MHz / QPSK



Date: 5 DEC 2017 20:13:19

Highest Channel / 10MHz / 16QAM



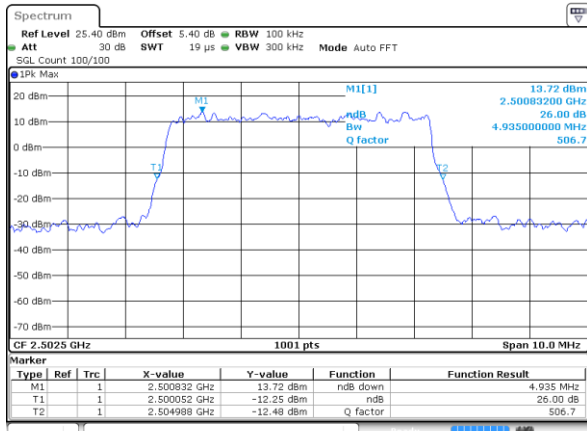
Date: 5 DEC 2017 20:13:30





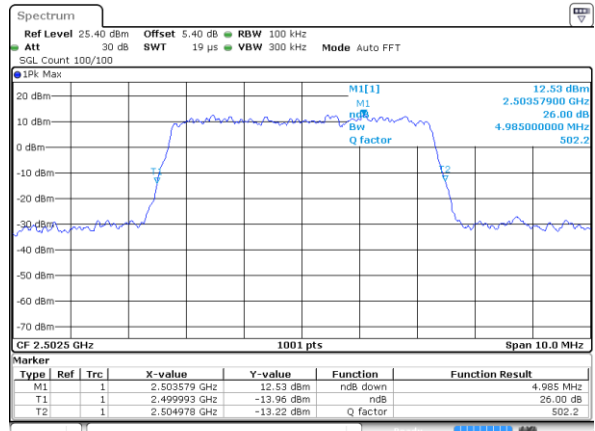
LTE Band 7

Lowest Channel / 5MHz / QPSK



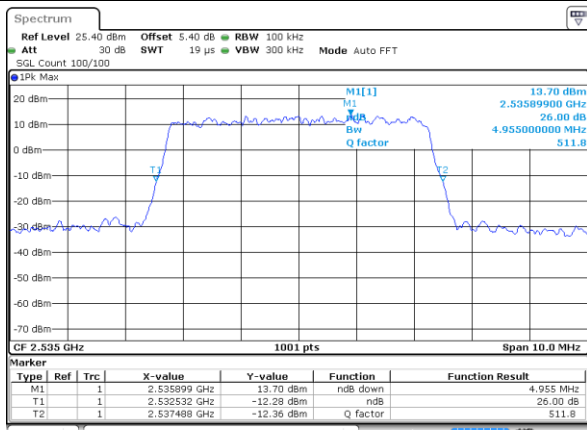
Date: 5 DEC 2017 17:06:28

Lowest Channel / 5MHz / 16QAM



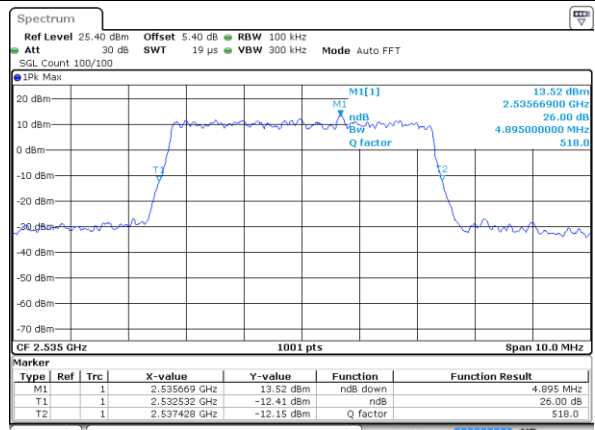
Date: 5 DEC 2017 17:06:49

Middle Channel / 5MHz / QPSK



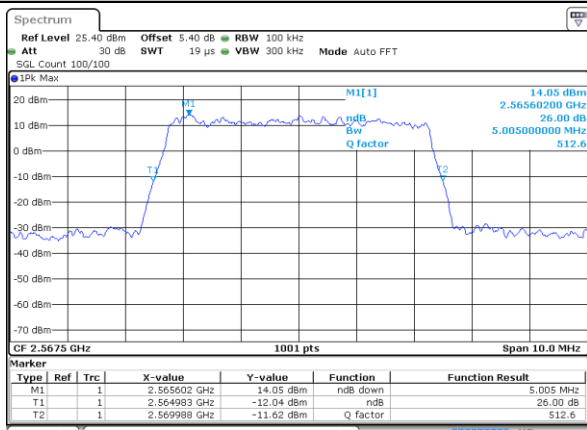
Date: 5 DEC 2017 17:07:31

Middle Channel / 5MHz / 16QAM



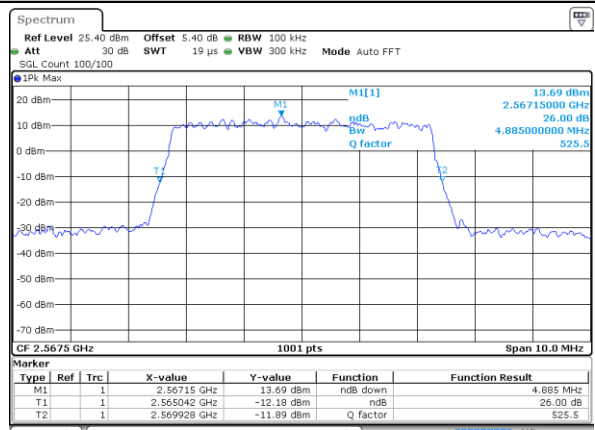
Date: 5 DEC 2017 17:07:10

Highest Channel / 5MHz / QPSK



Date: 5 DEC 2017 17:07:52

Highest Channel / 5MHz / 16QAM

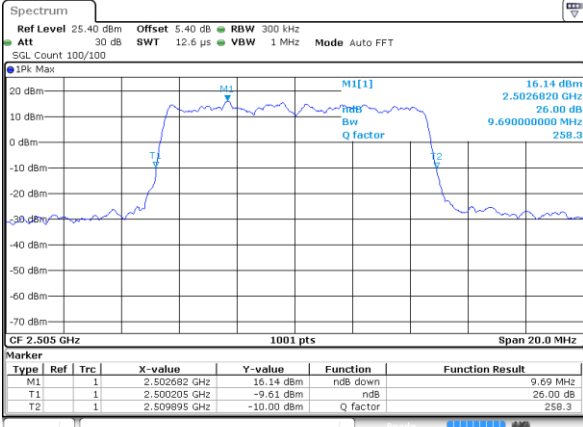


Date: 5 DEC 2017 17:08:14



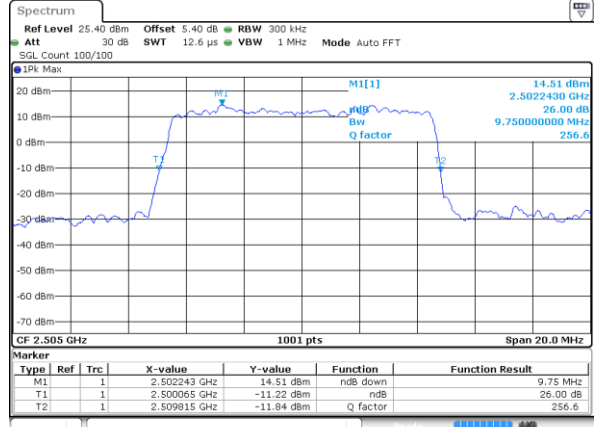
LTE Band 7

Lowest Channel / 10MHz / QPSK



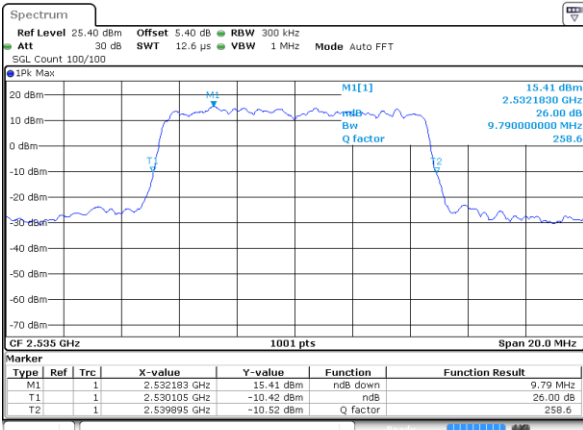
Date: 5 DEC 2017 17:23:15

Lowest Channel / 10MHz / 16QAM



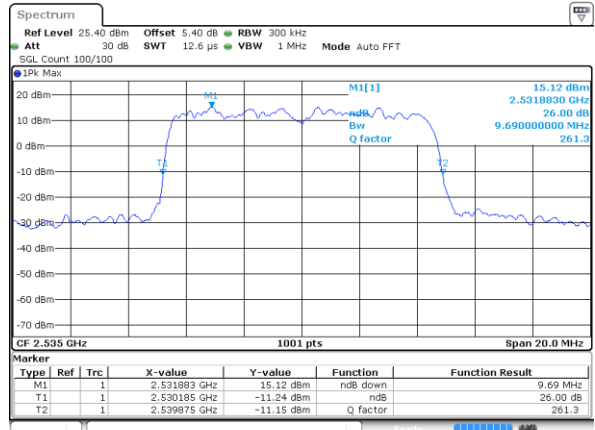
Date: 5 DEC 2017 17:23:36

Middle Channel / 10MHz / QPSK



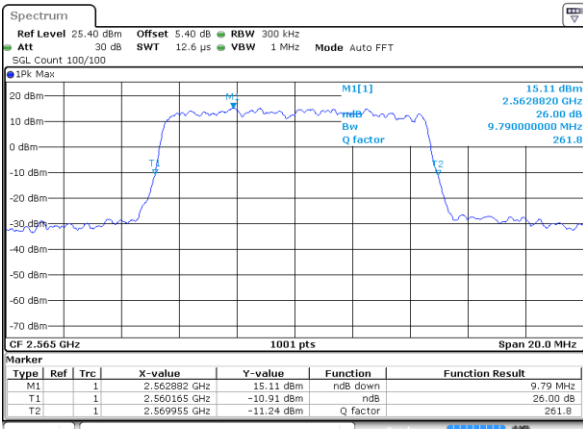
Date: 5 DEC 2017 17:24:18

Middle Channel / 10MHz / 16QAM



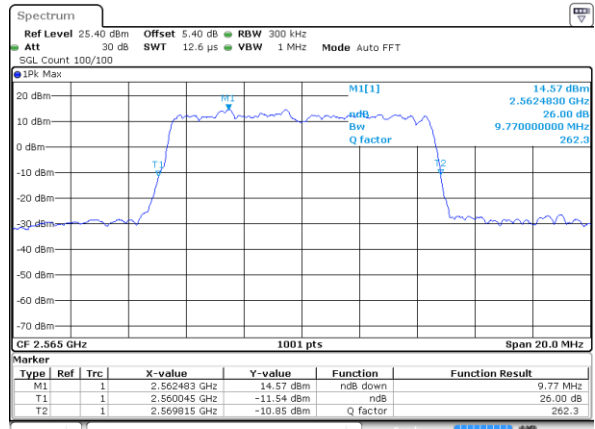
Date: 5 DEC 2017 17:23:57

Highest Channel / 10MHz / QPSK



Date: 5 DEC 2017 17:24:39

Highest Channel / 10MHz / 16QAM

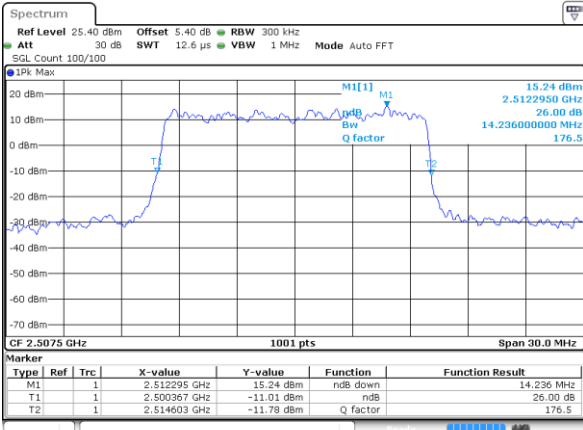


Date: 5 DEC 2017 17:25:00



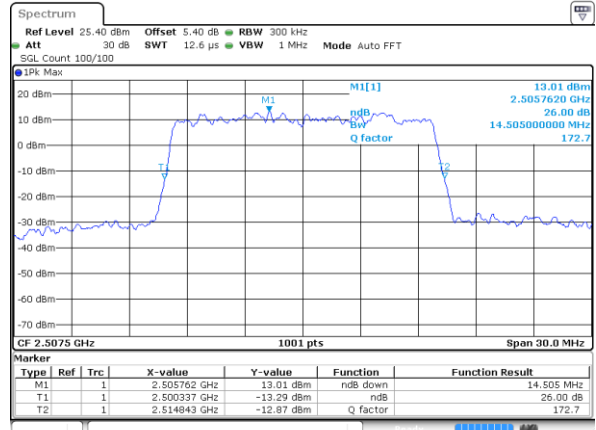
LTE Band 7

Lowest Channel / 15MHz / QPSK



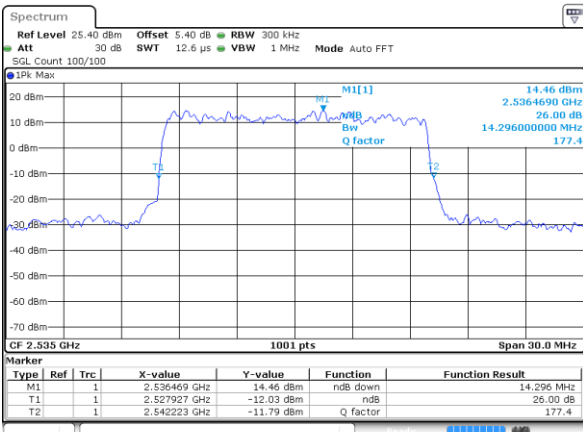
Date: 5 DEC 2017 17:40:24

Lowest Channel / 15MHz / 16QAM



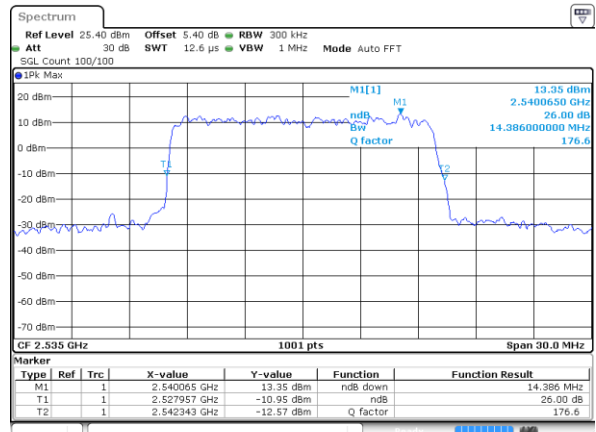
Date: 5 DEC 2017 17:40:03

Middle Channel / 15MHz / QPSK



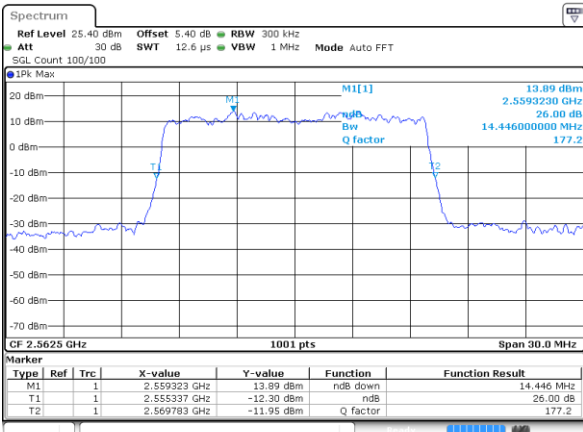
Date: 5 DEC 2017 17:40:45

Middle Channel / 15MHz / 16QAM



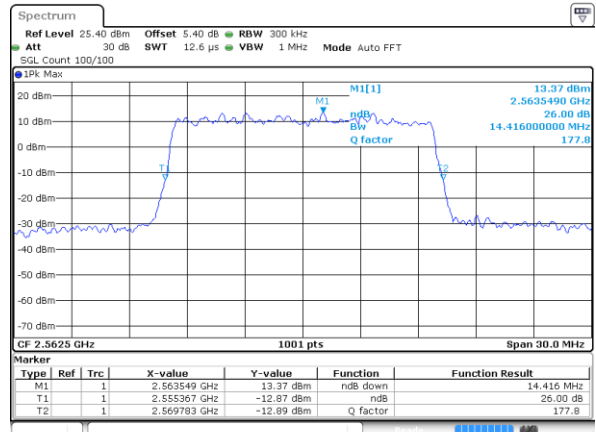
Date: 5 DEC 2017 17:41:05

Highest Channel / 15MHz / QPSK



Date: 5 DEC 2017 17:41:49

Highest Channel / 15MHz / 16QAM

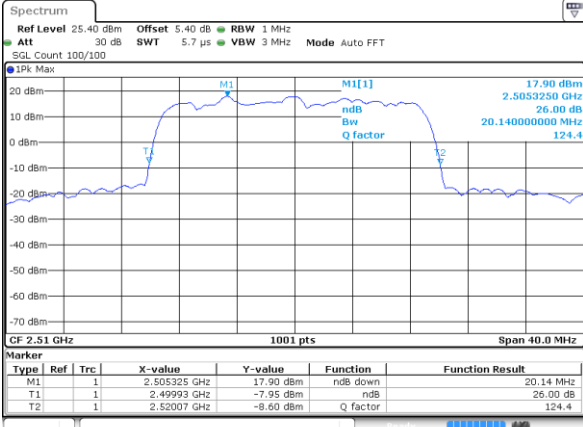


Date: 5 DEC 2017 17:41:27



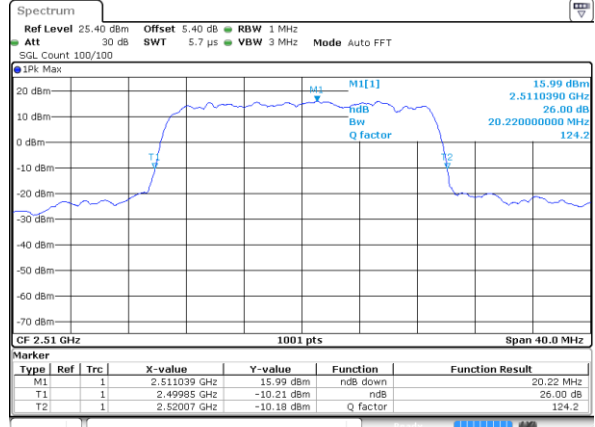
LTE Band 7

Lowest Channel / 20MHz / QPSK



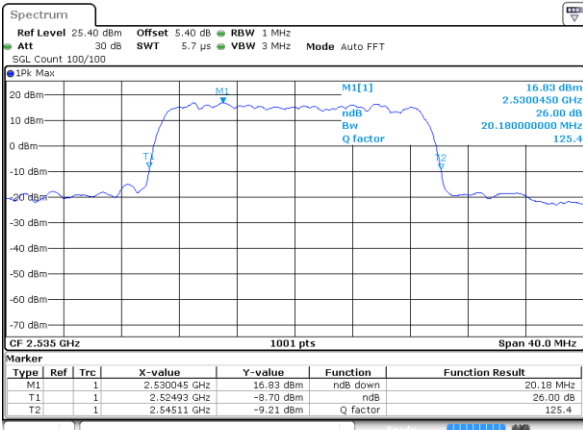
Date: 5 DEC 2017 17:57:09

Lowest Channel / 20MHz / 16QAM



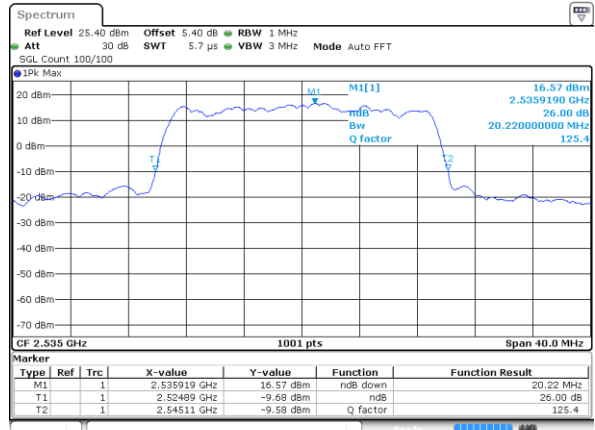
Date: 5 DEC 2017 17:56:48

Middle Channel / 20MHz / QPSK



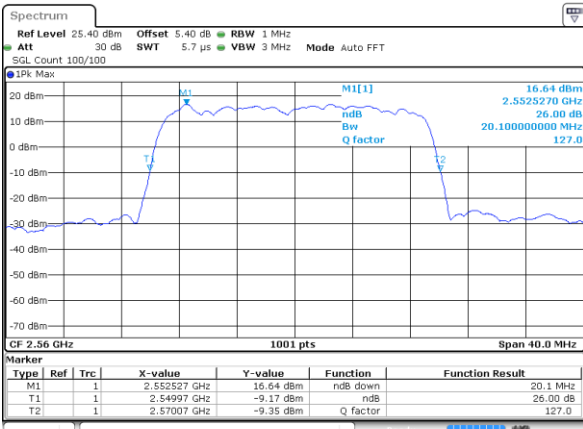
Date: 5 DEC 2017 17:57:30

Middle Channel / 20MHz / 16QAM



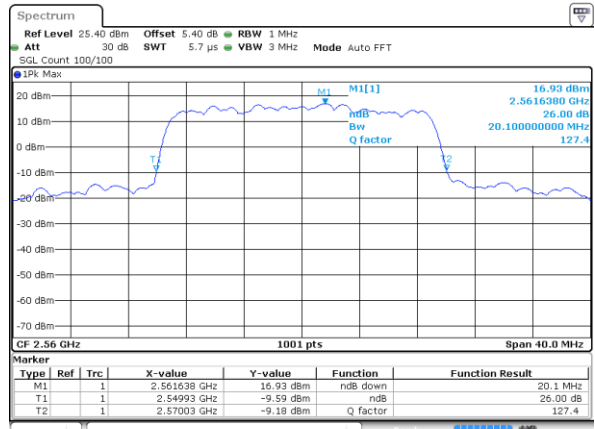
Date: 5 DEC 2017 17:57:52

Highest Channel / 20MHz / QPSK



Date: 5 DEC 2017 18:23:30

Highest Channel / 20MHz / 16QAM



Date: 5 DEC 2017 17:58:13



## 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	1.1	1.09	2.73	2.71	4.49	4.49	8.97	8.95	13.37	13.37	18.26	18.14
Middle CH	1.09	1.1	2.7	2.73	4.49	4.5	8.99	9.01	13.49	13.37	18.1	18.22
Highest CH	1.1	1.1	2.7	2.72	4.48	4.49	8.99	8.99	13.43	13.4	18.22	18.26

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	1.1	1.09	2.7	2.72	4.48	4.49	8.97	9.05	13.46	13.46	18.3	18.54
Middle CH	1.09	1.09	2.73	2.72	4.49	4.49	8.95	8.99	13.4	13.46	18.22	18.3
Highest CH	1.09	1.1	2.7	2.72	4.49	4.5	9.01	9.03	13.37	13.43	18.26	18.26

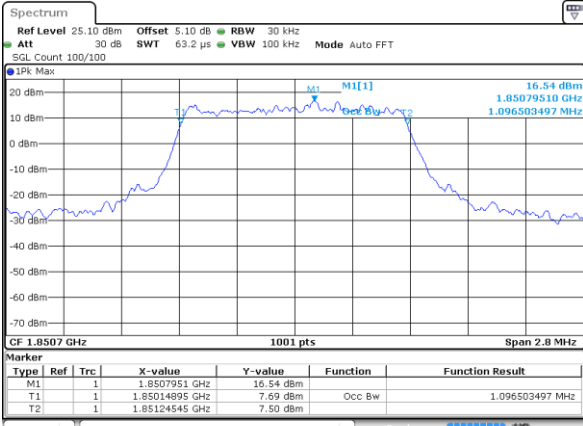
Mode	LTE Band 5 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.1	2.72	2.71	4.48	4.48	8.99	9.05	-	-	-	-
Middle CH	1.09	1.09	2.72	2.74	4.48	4.49	9.07	9.01	-	-	-	-
Highest CH	1.09	1.1	2.72	2.73	4.5	4.49	8.99	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	-	-	-	-	4.52	4.48	9.01	8.99	13.52	13.46	18.5	18.26
Middle CH	-	-	-	-	4.49	4.48	9.01	9.01	13.43	13.43	18.22	18.34
Highest CH	-	-	-	-	4.49	4.49	9.03	8.93	13.37	13.46	18.54	18.46



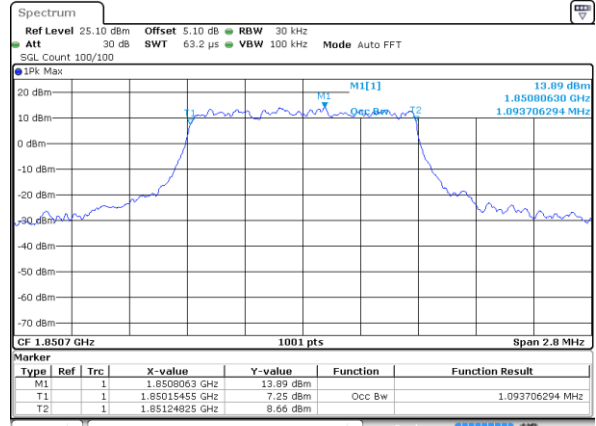
LTE Band 2

Lowest Channel / 1.4MHz / QPSK



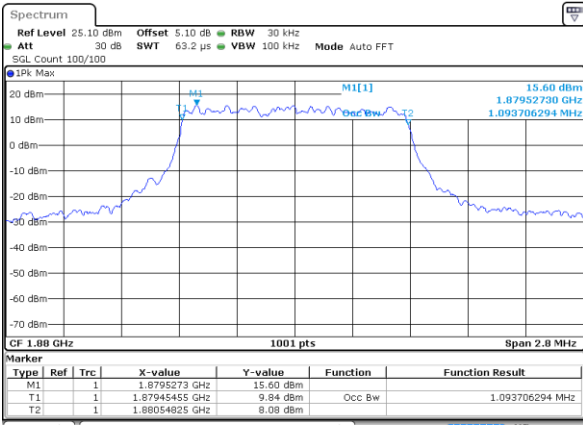
Date: 6 DEC 2017 08:10:52

Lowest Channel / 1.4MHz / 16QAM



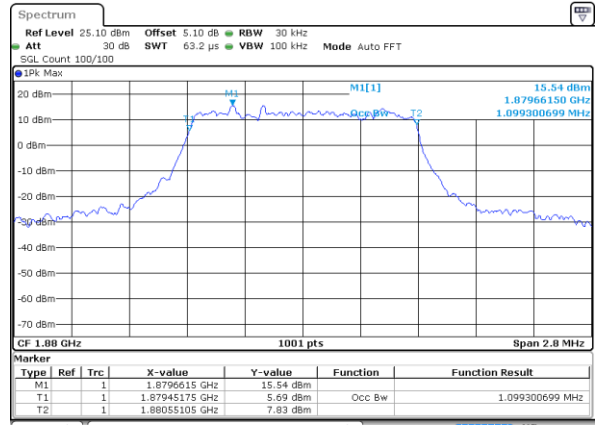
Date: 6 DEC 2017 08:11:02

Middle Channel / 1.4MHz / QPSK



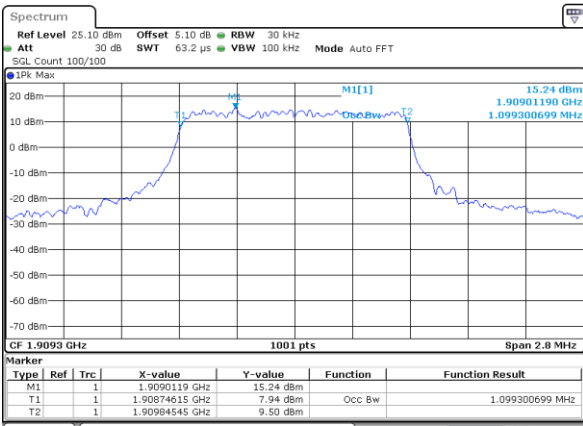
Date: 6 DEC 2017 08:17:53

Middle Channel / 1.4MHz / 16QAM



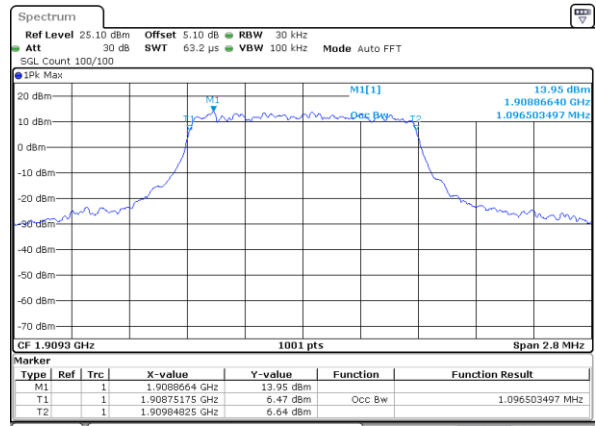
Date: 6 DEC 2017 08:18:03

Highest Channel / 1.4MHz / QPSK



Date: 6 DEC 2017 08:20:22

Highest Channel / 1.4MHz / 16QAM

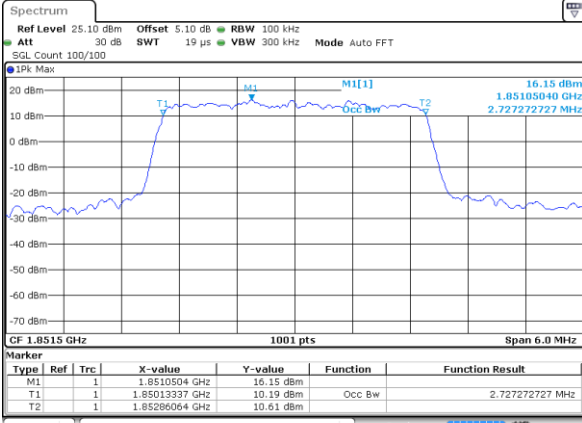


Date: 6 DEC 2017 08:20:33



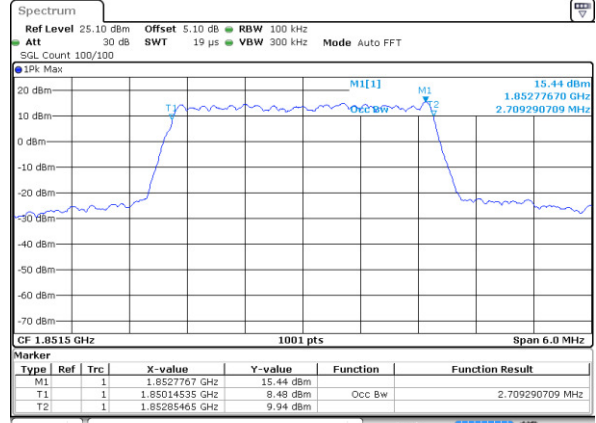
LTE Band 2

Lowest Channel / 3MHz / QPSK



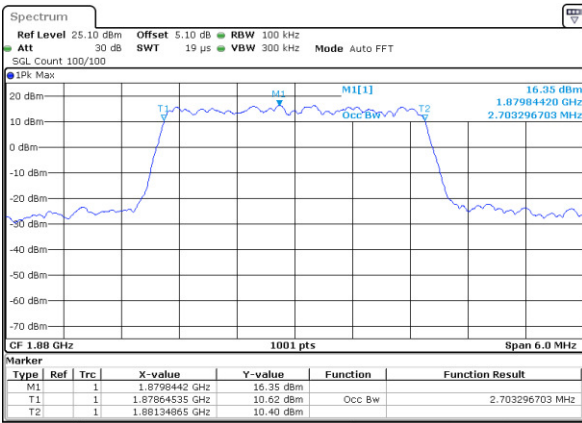
Date: 6 DEC 2017 08:27:22

Lowest Channel / 3MHz / 16QAM



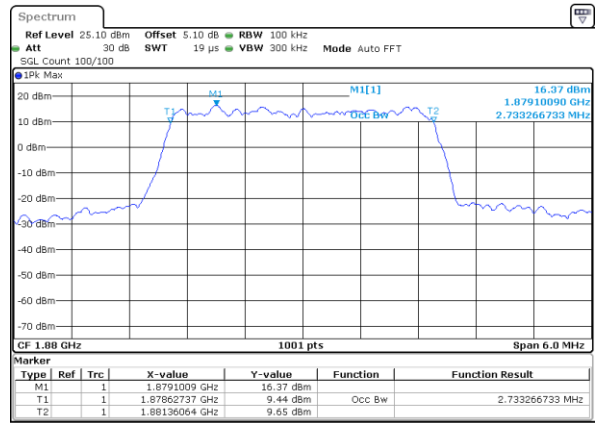
Date: 6 DEC 2017 08:27:32

Middle Channel / 3MHz / QPSK



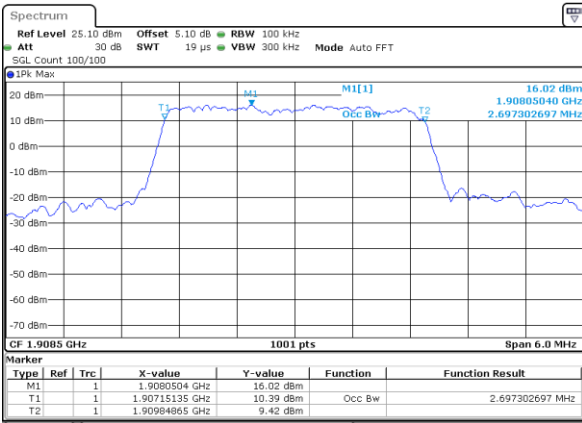
Date: 6 DEC 2017 08:34:22

Middle Channel / 3MHz / 16QAM



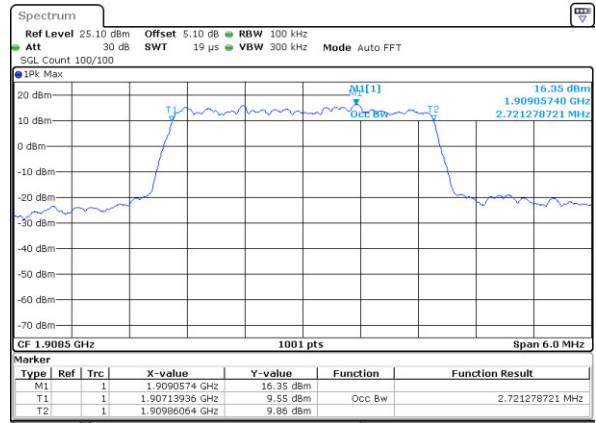
Date: 6 DEC 2017 08:34:33

Highest Channel / 3MHz / QPSK



Date: 6 DEC 2017 08:36:52

Highest Channel / 3MHz / 16QAM

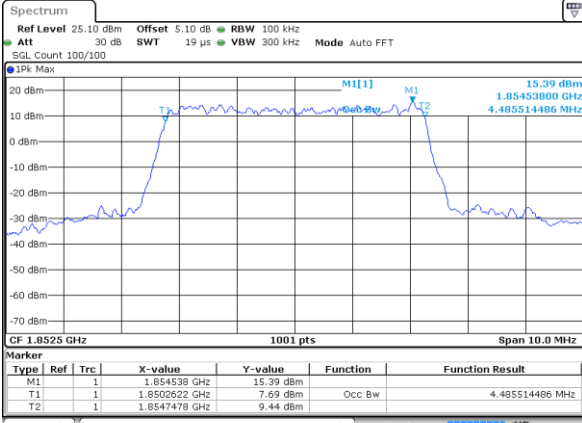


Date: 6 DEC 2017 08:37:02



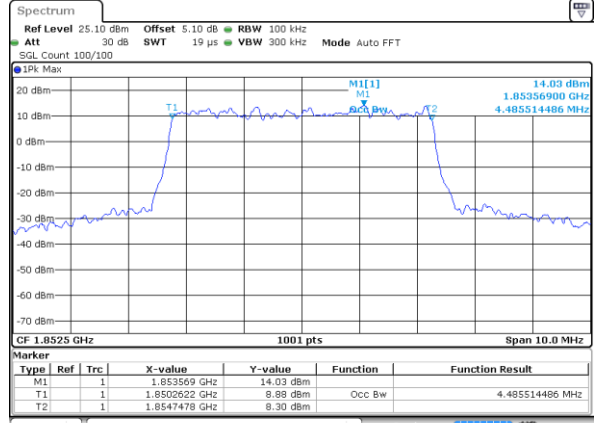
LTE Band 2

Lowest Channel / 5MHz / QPSK



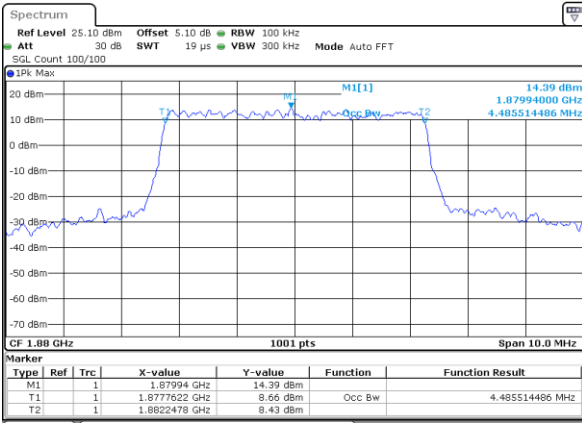
Date: 6 DEC 2017 08:43:52

Lowest Channel / 5MHz / 16QAM



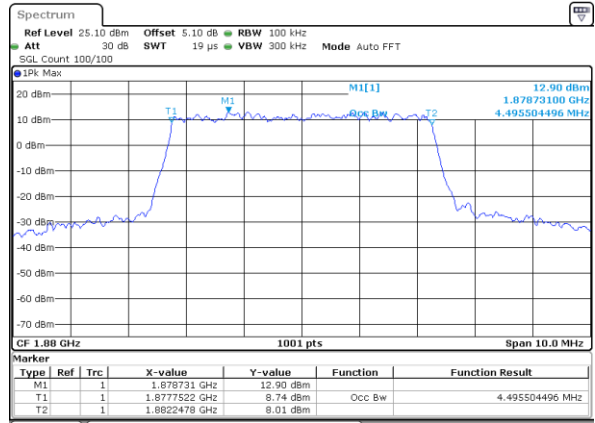
Date: 6 DEC 2017 08:44:03

Middle Channel / 5MHz / QPSK



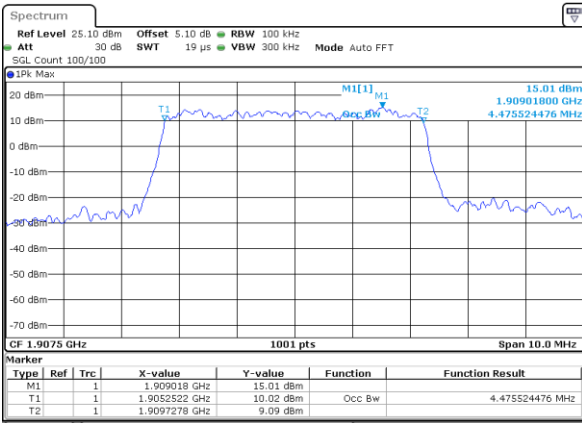
Date: 6 DEC 2017 08:50:53

Middle Channel / 5MHz / 16QAM



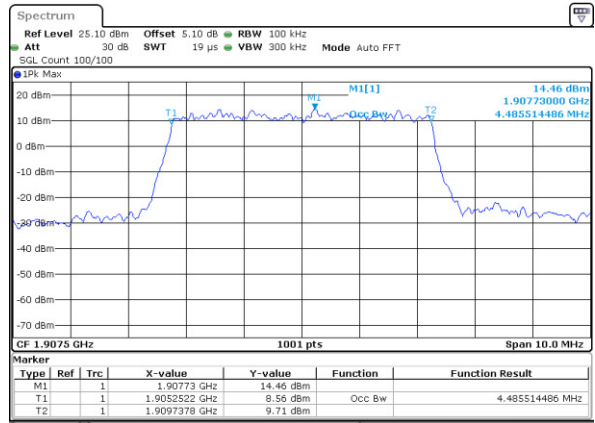
Date: 6 DEC 2017 08:51:03

Highest Channel / 5MHz / QPSK



Date: 6 DEC 2017 08:53:23

Highest Channel / 5MHz / 16QAM



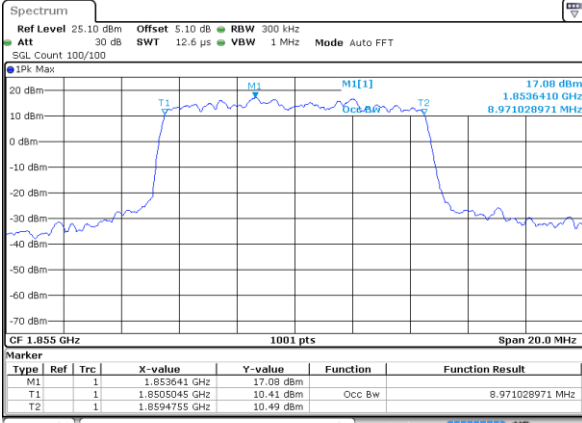
Date: 6 DEC 2017 08:53:33





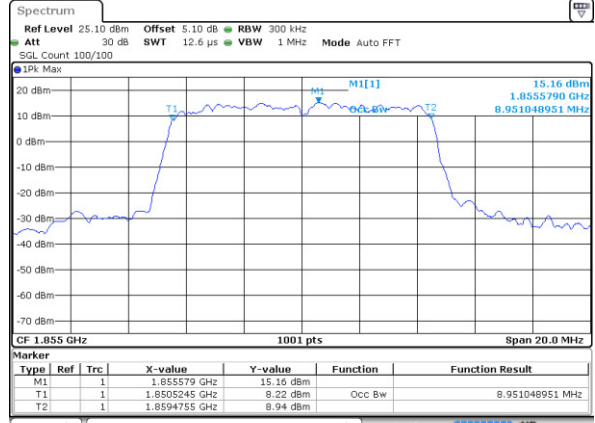
LTE Band 2

Lowest Channel / 10MHz / QPSK



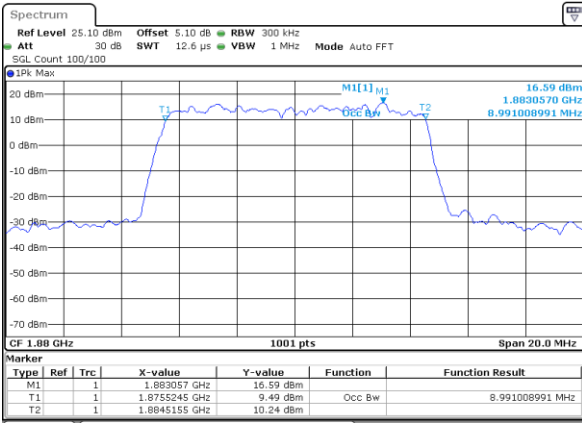
Date: 6 DEC 2017 09:00:23

Lowest Channel / 10MHz / 16QAM



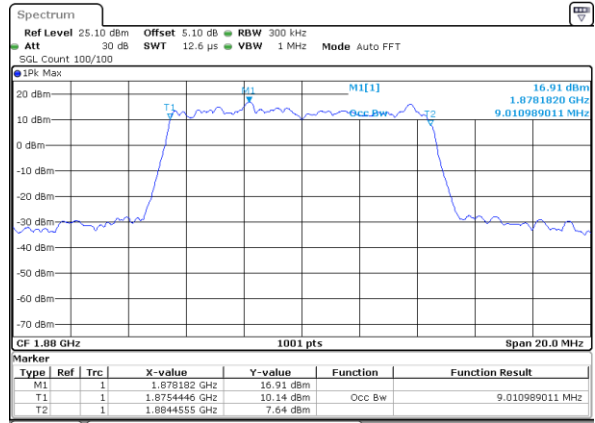
Date: 6 DEC 2017 09:00:33

Middle Channel / 10MHz / QPSK



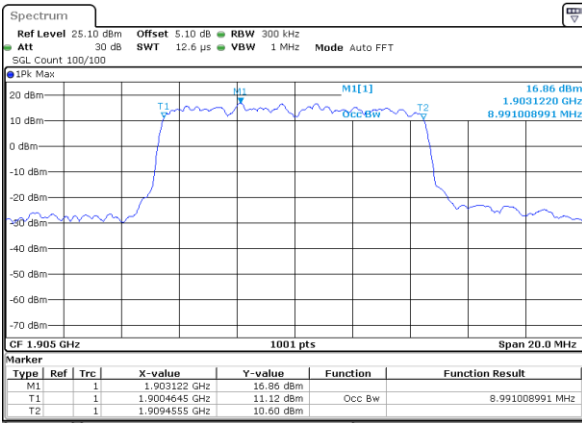
Date: 6 DEC 2017 09:07:23

Middle Channel / 10MHz / 16QAM



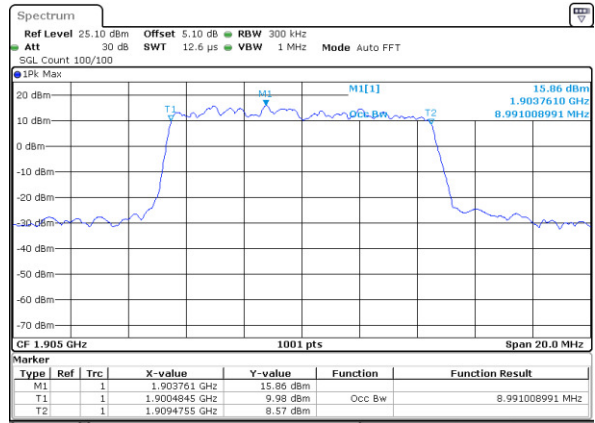
Date: 6 DEC 2017 09:07:33

Highest Channel / 10MHz / QPSK



Date: 6 DEC 2017 09:09:52

Highest Channel / 10MHz / 16QAM

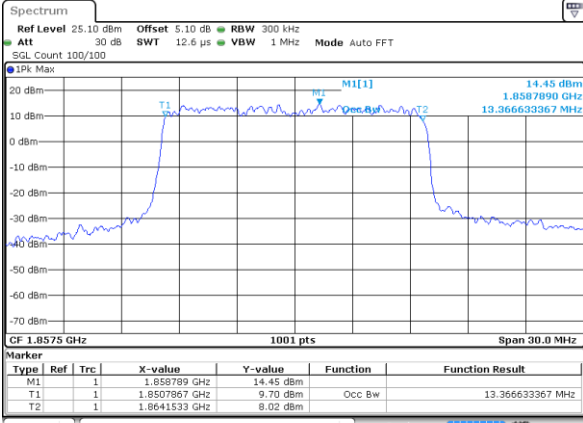


Date: 6 DEC 2017 09:10:02



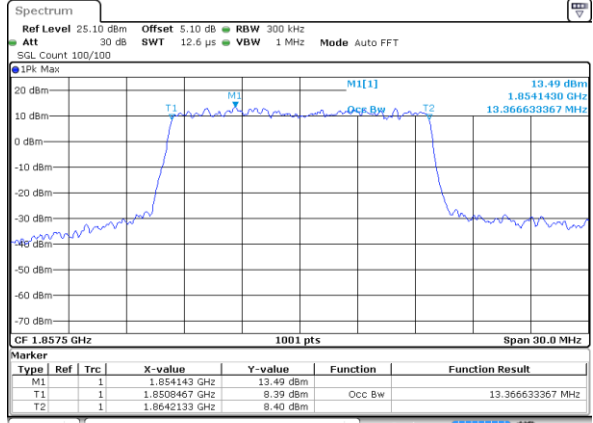
LTE Band 2

Lowest Channel / 15MHz / QPSK



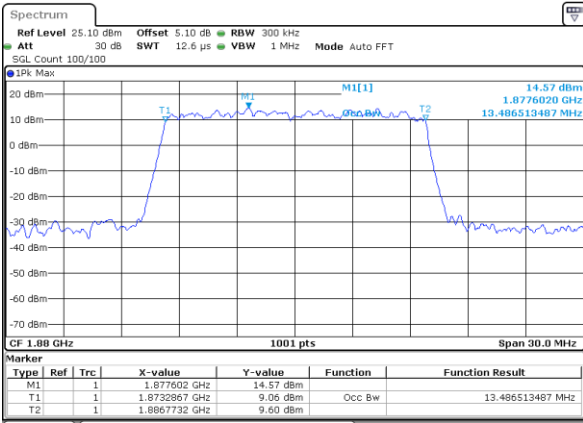
Date: 6 DEC 2017 09:16:52

Lowest Channel / 15MHz / 16QAM



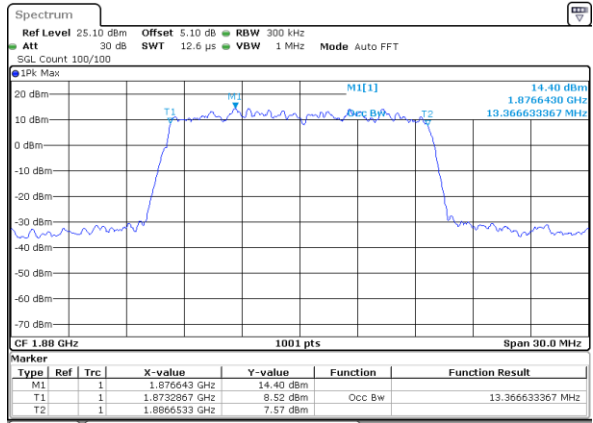
Date: 6 DEC 2017 09:17:03

Middle Channel / 15MHz / QPSK



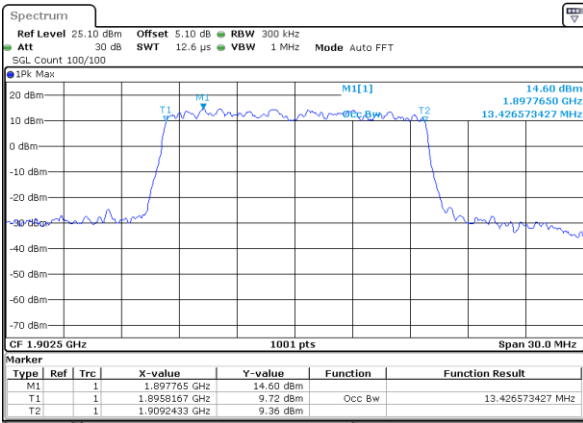
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Middle Channel / 15MHz / 16QAM



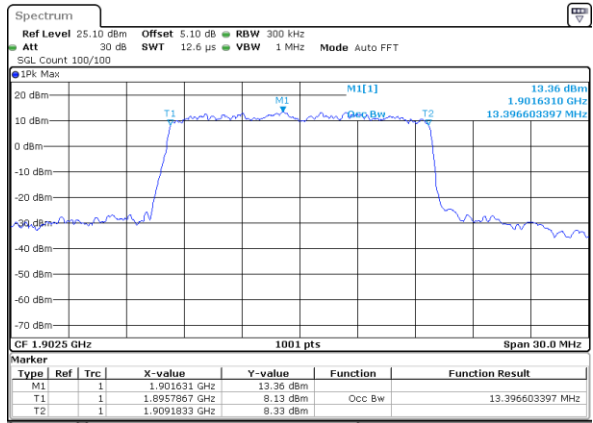
Date: 6 DEC 2017 09:24:03

Highest Channel / 15MHz / QPSK



Date: 6 DEC 2017 09:26:22

Highest Channel / 15MHz / 16QAM

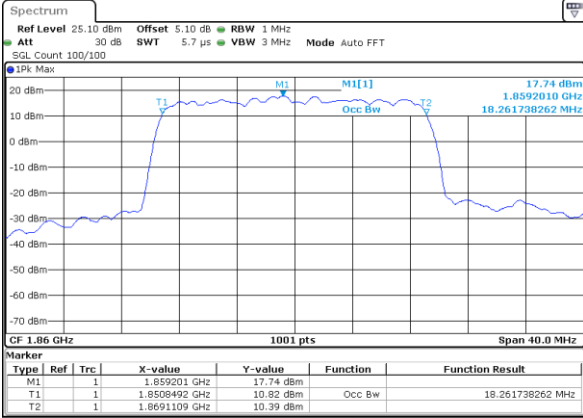


Date: 6 DEC 2017 09:26:33



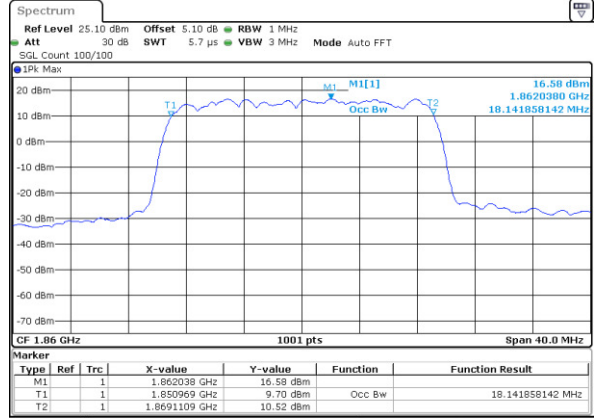
LTE Band 2

Lowest Channel / 20MHz / QPSK



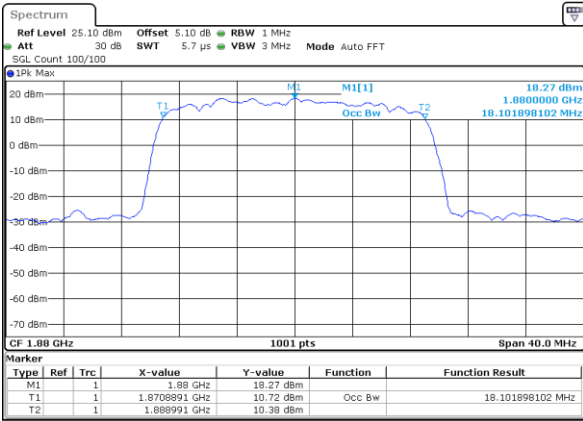
Date: 6 DEC 2017 09:33:22

Lowest Channel / 20MHz / 16QAM



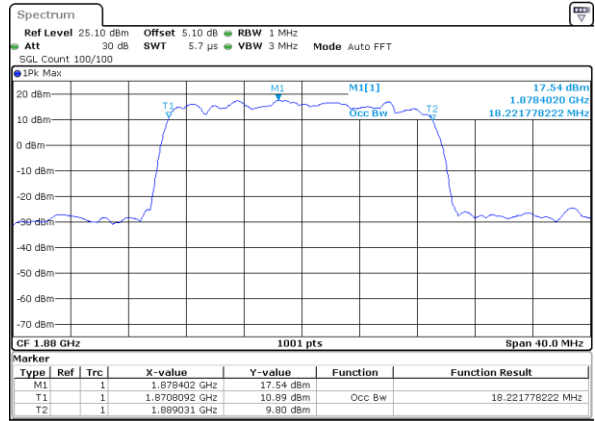
Date: 6 DEC 2017 09:33:32

Middle Channel / 20MHz / QPSK



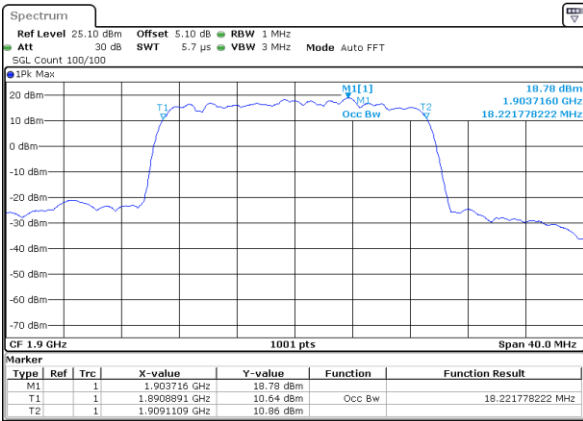
Date: 6 DEC 2017 09:40:22

Middle Channel / 20MHz / 16QAM



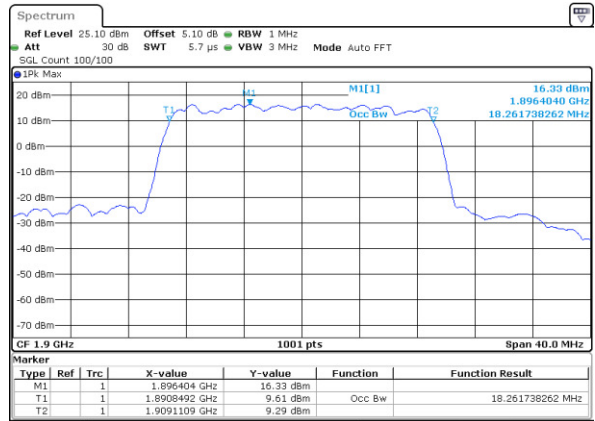
Date: 6 DEC 2017 09:40:32

Highest Channel / 20MHz / QPSK



Date: 6 DEC 2017 09:42:52

Highest Channel / 20MHz / 16QAM

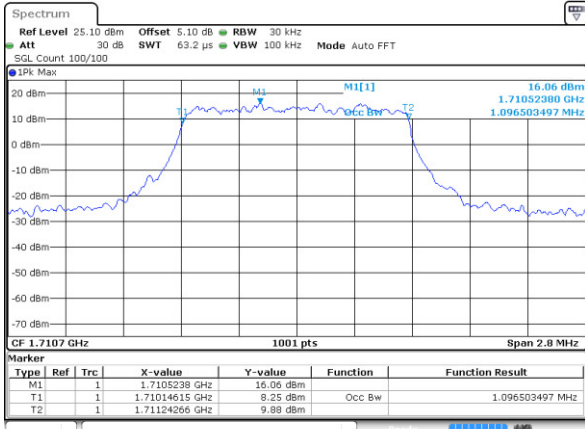


Date: 6 DEC 2017 09:43:02



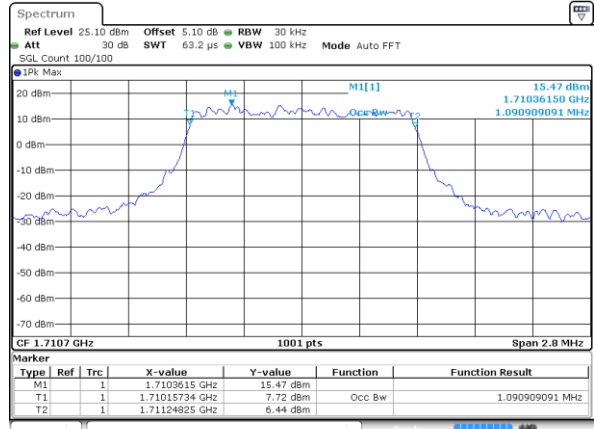
LTE Band 4

Lowest Channel / 1.4MHz / QPSK



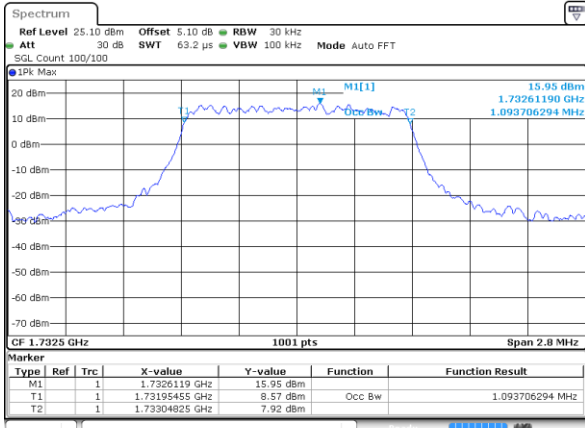
Date: 6 DEC 2017 12:41:15

Lowest Channel / 1.4MHz / 16QAM



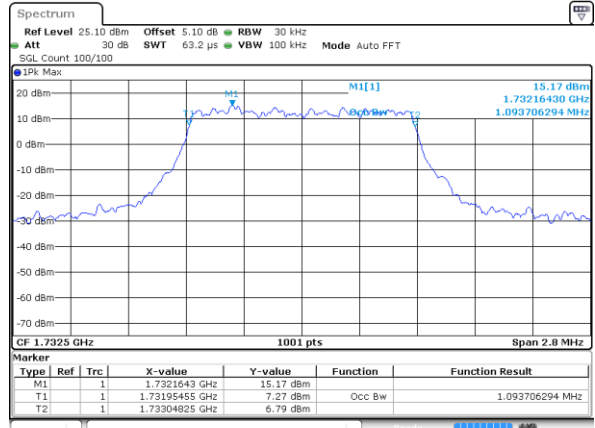
Date: 6 DEC 2017 12:41:25

Middle Channel / 1.4MHz / QPSK



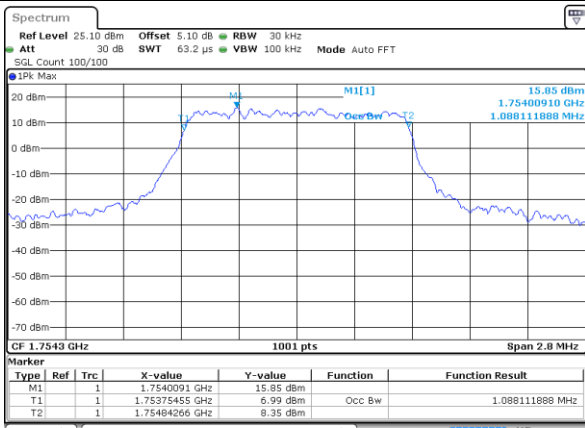
Date: 6 DEC 2017 12:48:15

Middle Channel / 1.4MHz / 16QAM



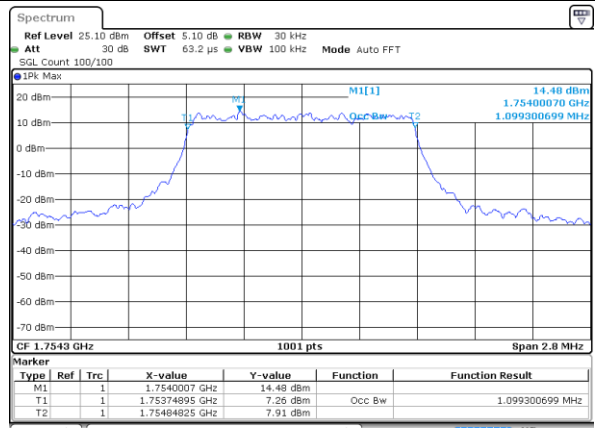
Date: 6 DEC 2017 12:48:25

Highest Channel / 1.4MHz / QPSK



Date: 6 DEC 2017 12:50:45

Highest Channel / 1.4MHz / 16QAM

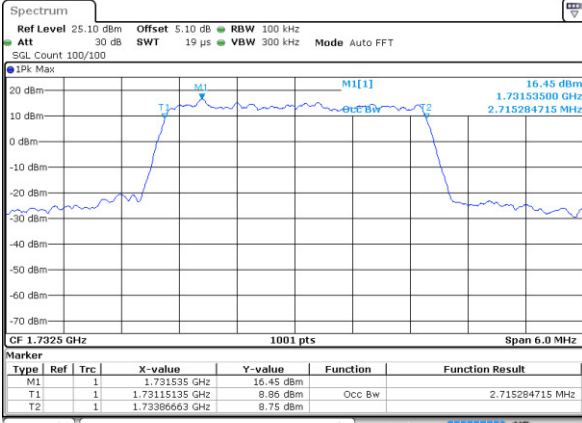


Date: 6 DEC 2017 12:50:55

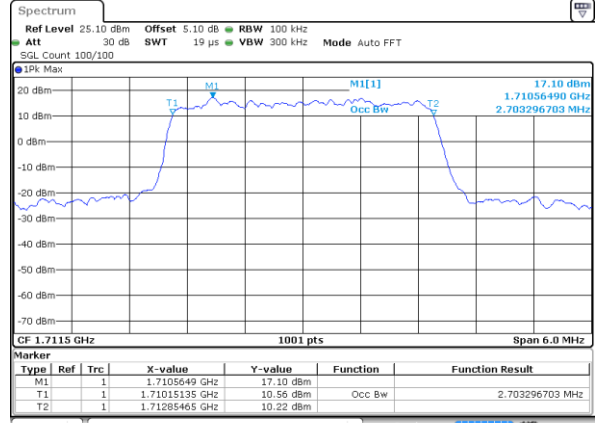


LTE Band 4

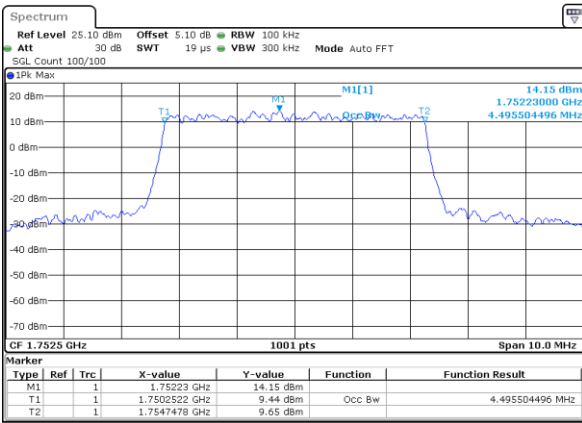
Lowest Channel / 3MHz / QPSK



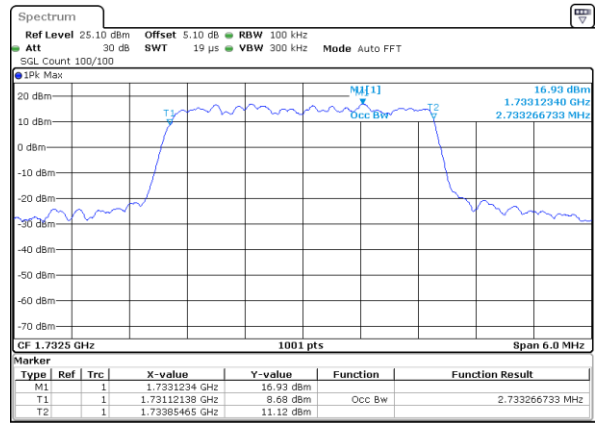
Lowest Channel / 3MHz / 16QAM



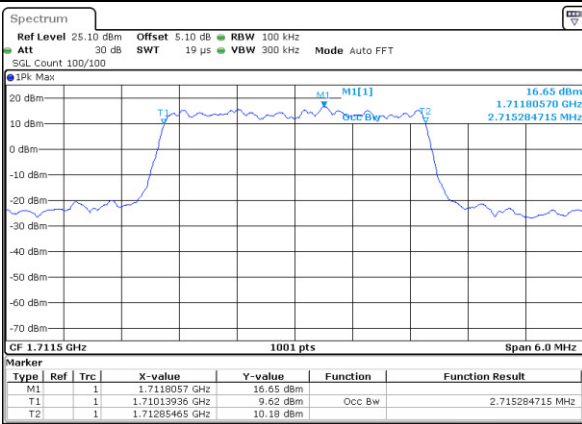
Middle Channel / 3MHz / QPSK



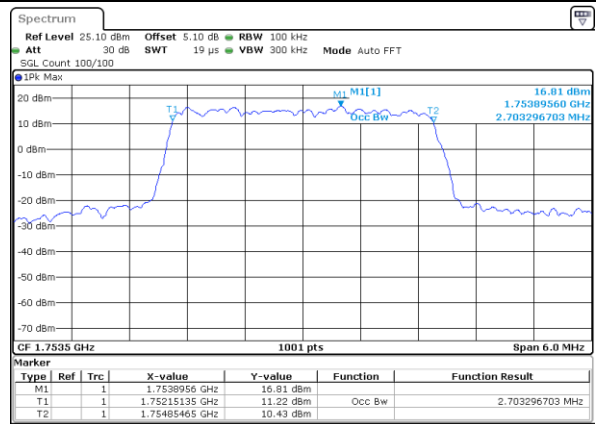
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



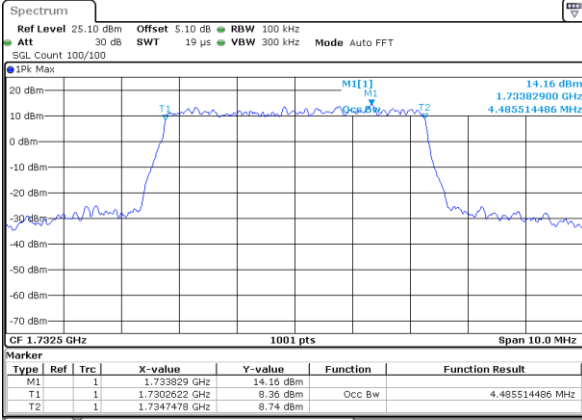
Highest Channel / 3MHz / 16QAM





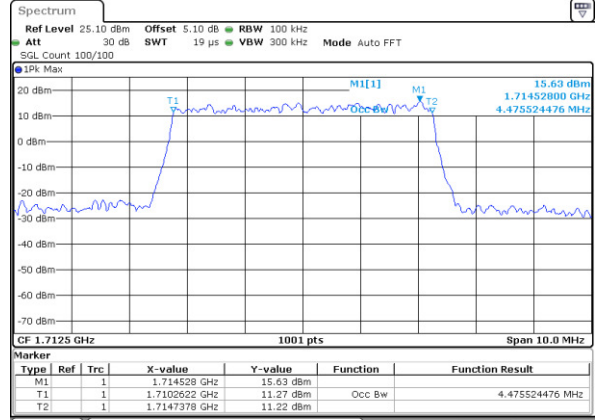
LTE Band 4

Lowest Channel / 5MHz / QPSK



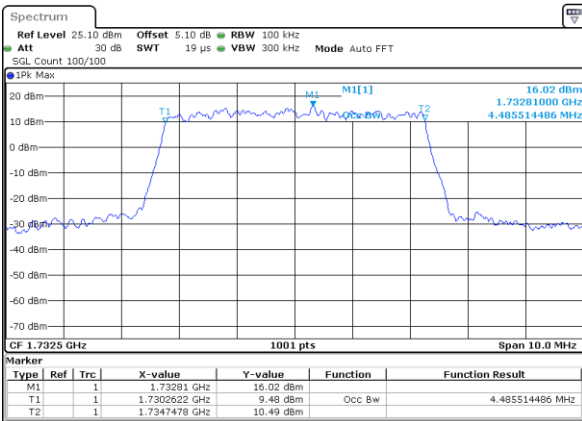
Date: 6 DEC 2017 13:21:23

Lowest Channel / 5MHz / 16QAM



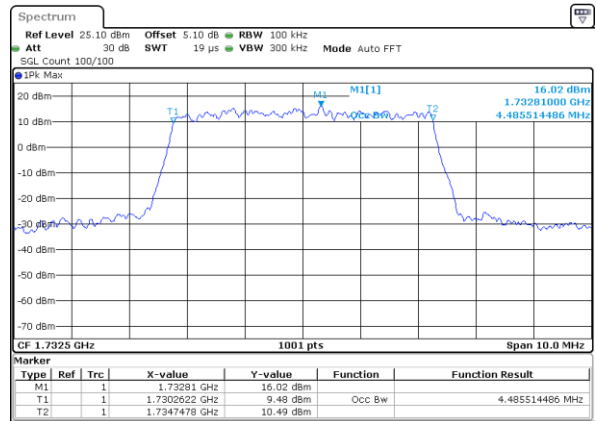
Date: 6 DEC 2017 13:14:14

Middle Channel / 5MHz / QPSK



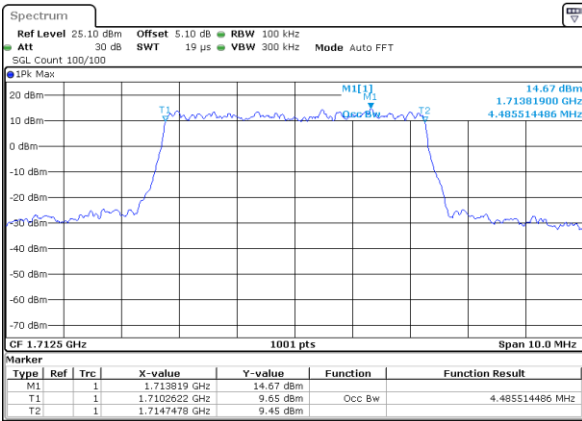
Date: 6 DEC 2017 13:21:13

Middle Channel / 5MHz / 16QAM



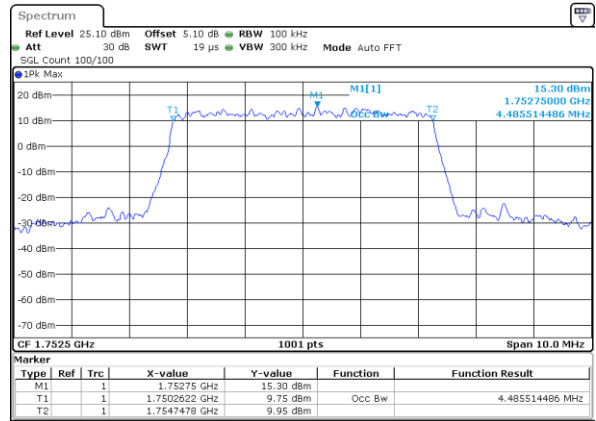
Date: 6 DEC 2017 13:21:13

Highest Channel / 5MHz / QPSK



Date: 6 DEC 2017 13:14:24

Highest Channel / 5MHz / 16QAM



Date: 6 DEC 2017 13:23:43