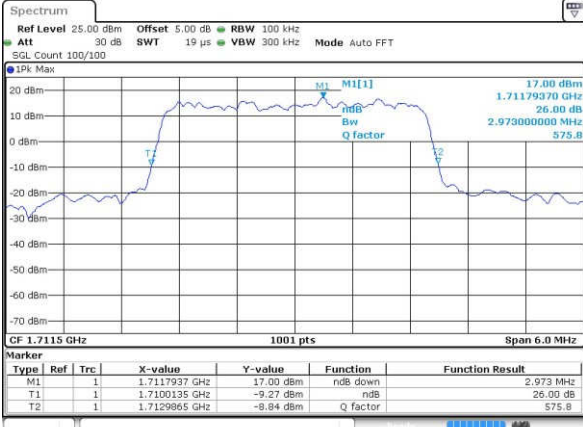




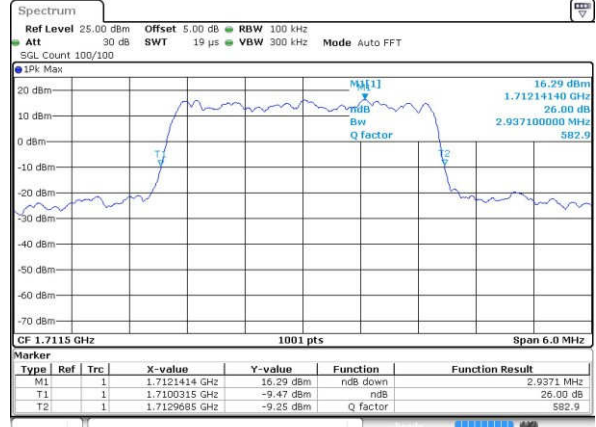
LTE Band 4

Lowest Channel / 3MHz / QPSK



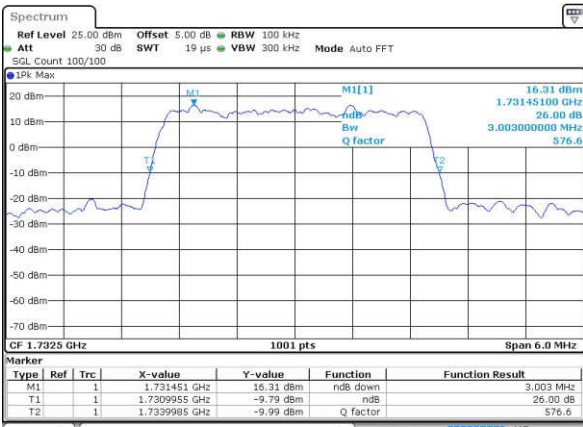
Date: 14 JAN 2017 16:49:57

Lowest Channel / 3MHz / 16QAM



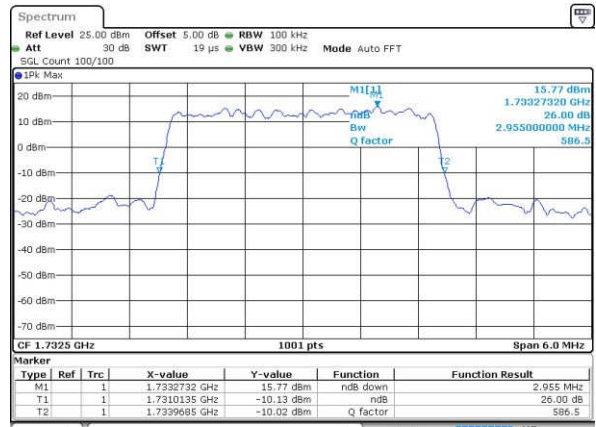
Date: 14 JAN 2017 16:50:08

Middle Channel / 3MHz / QPSK



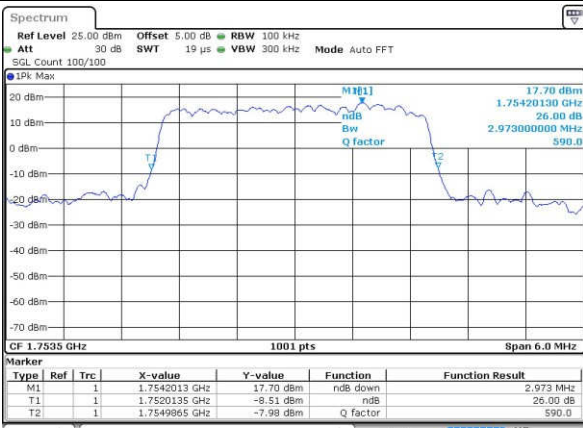
Date: 14 JAN 2017 16:57:00

Middle Channel / 3MHz / 16QAM



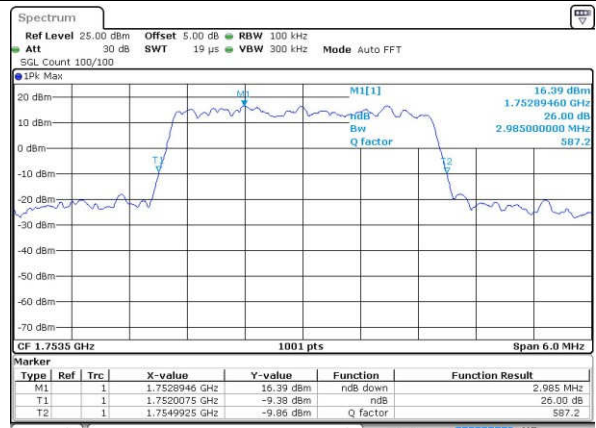
Date: 14 JAN 2017 16:57:11

Highest Channel / 3MHz / QPSK



Date: 14 JAN 2017 16:59:32

Highest Channel / 3MHz / 16QAM

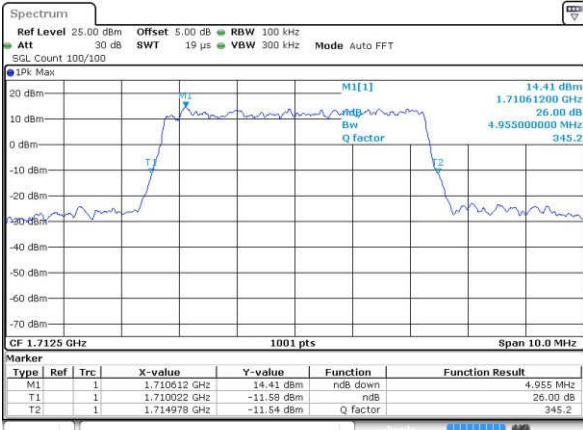


Date: 14 JAN 2017 16:59:42



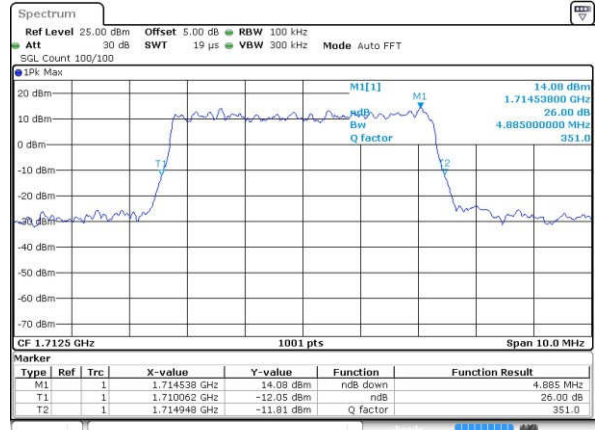
LTE Band 4

Lowest Channel / 5MHz / QPSK



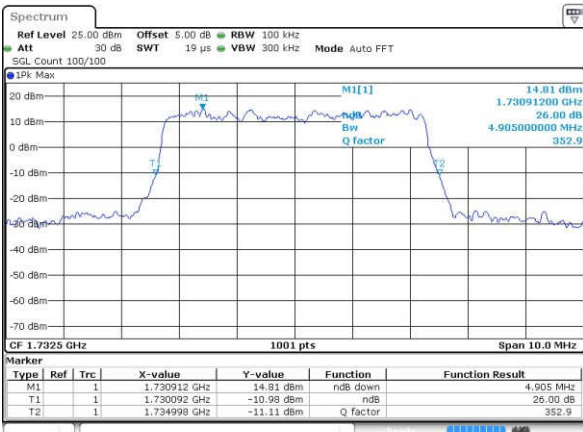
Date: 14. JAN 2017 17:06:35

Lowest Channel / 5MHz / 16QAM



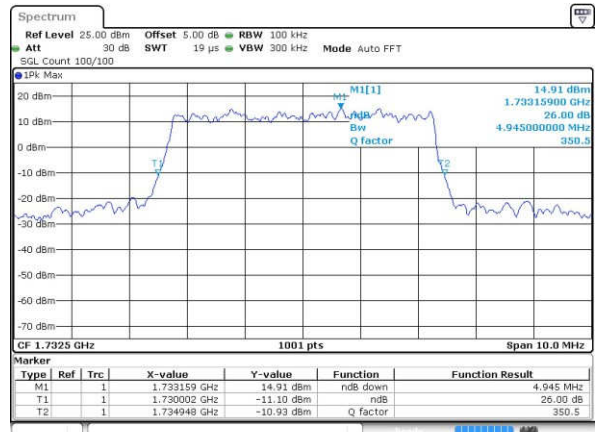
Date: 14. JAN 2017 17:06:45

Middle Channel / 5MHz / QPSK



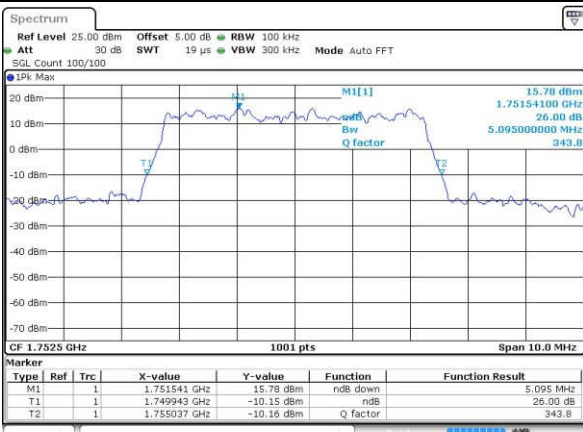
Date: 14. JAN 2017 19:08:24

Middle Channel / 5MHz / 16QAM



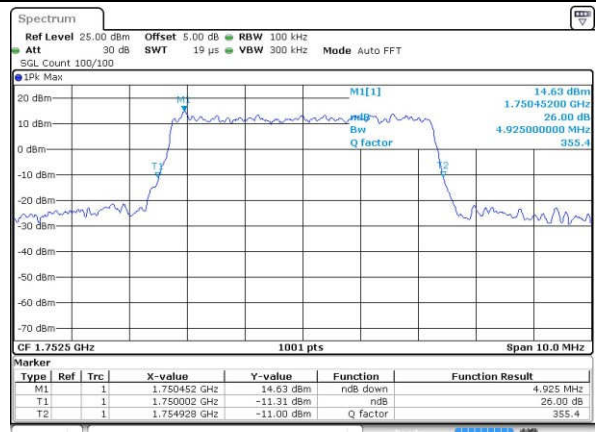
Date: 14. JAN 2017 17:13:48

Highest Channel / 5MHz / QPSK



Date: 14. JAN 2017 17:16:09

Highest Channel / 5MHz / 16QAM

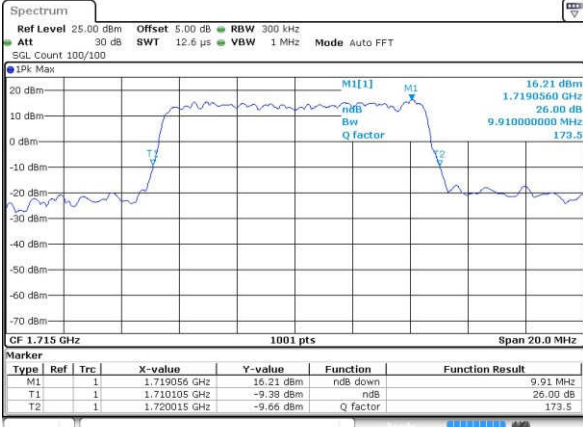


Date: 14. JAN 2017 17:16:19



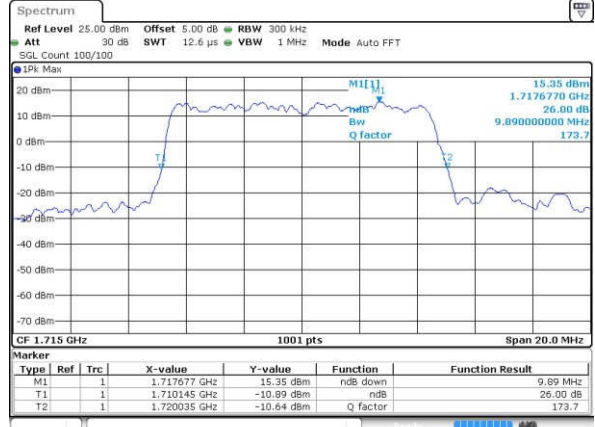
LTE Band 4

Lowest Channel / 10MHz / QPSK



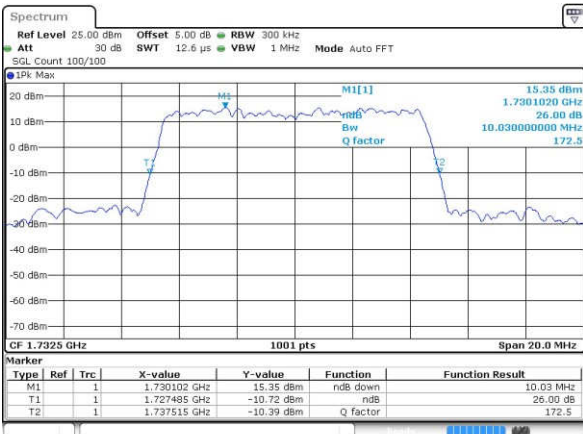
Date: 14. JAN 2017 17:23:11

Lowest Channel / 10MHz / 16QAM



Date: 14. JAN 2017 17:23:21

Middle Channel / 10MHz / QPSK



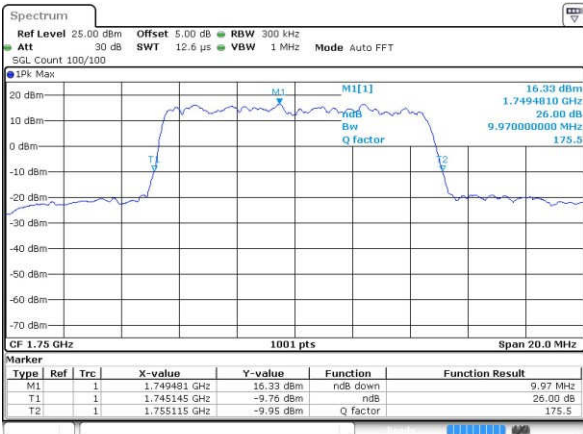
Date: 14. JAN 2017 17:30:14

Middle Channel / 10MHz / 16QAM



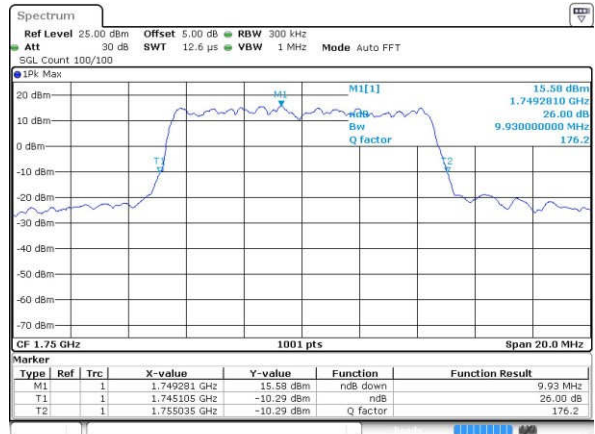
Date: 14. JAN 2017 17:30:24

Highest Channel / 10MHz / QPSK



Date: 14. JAN 2017 19:22:30

Highest Channel / 10MHz / 16QAM

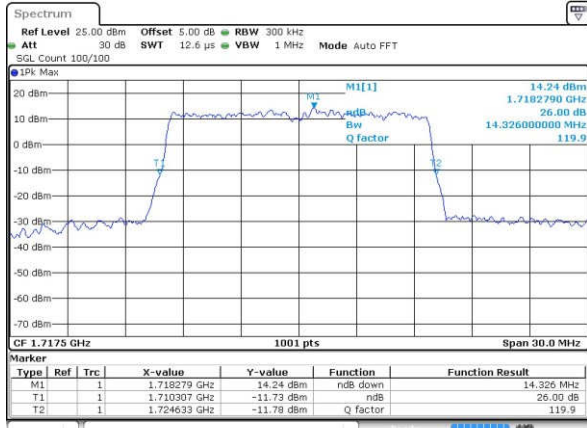


Date: 14. JAN 2017 19:22:46



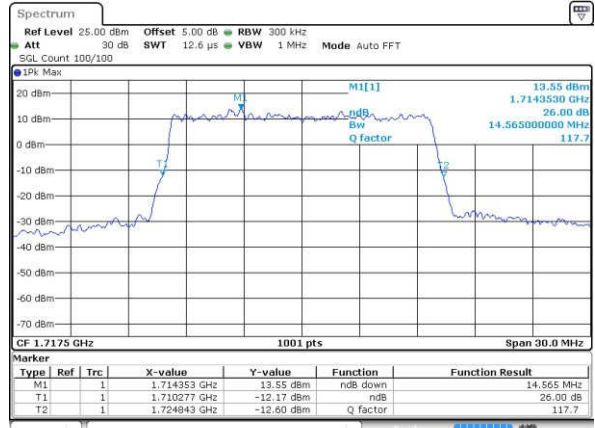
LTE Band 4

Lowest Channel / 15MHz / QPSK



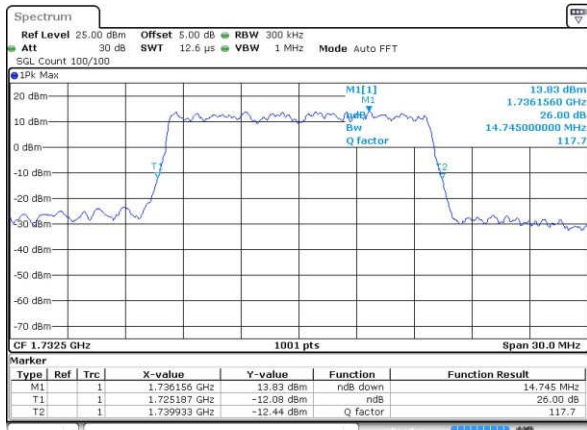
Date: 14. JAN 2017 17:39:48

Lowest Channel / 15MHz / 16QAM



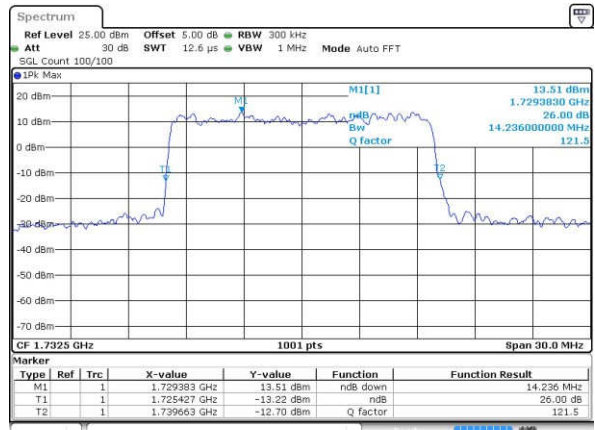
Date: 14. JAN 2017 17:39:58

Middle Channel / 15MHz / QPSK



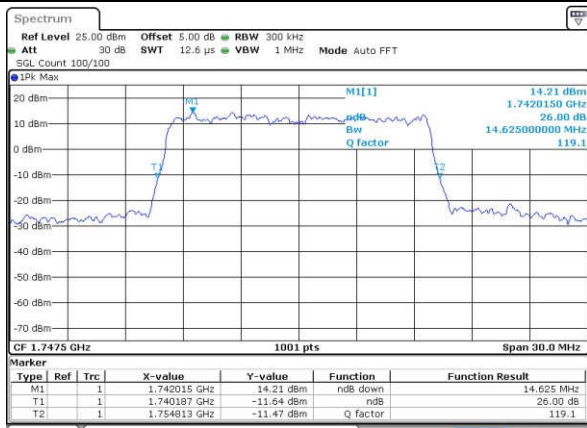
Date: 14. JAN 2017 17:46:50

Middle Channel / 15MHz / 16QAM



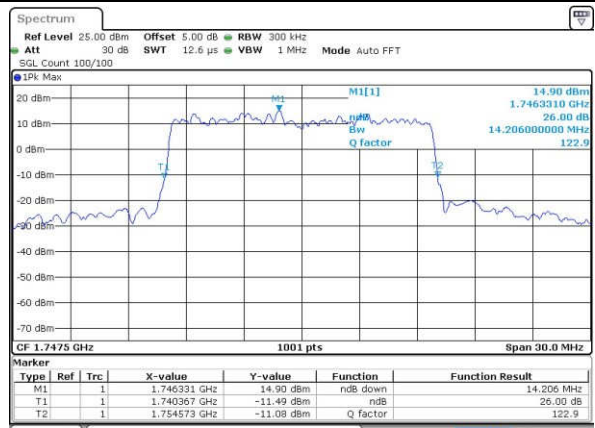
Date: 14. JAN 2017 17:47:01

Highest Channel / 15MHz / QPSK



Date: 14. JAN 2017 17:49:22

Highest Channel / 15MHz / 16QAM

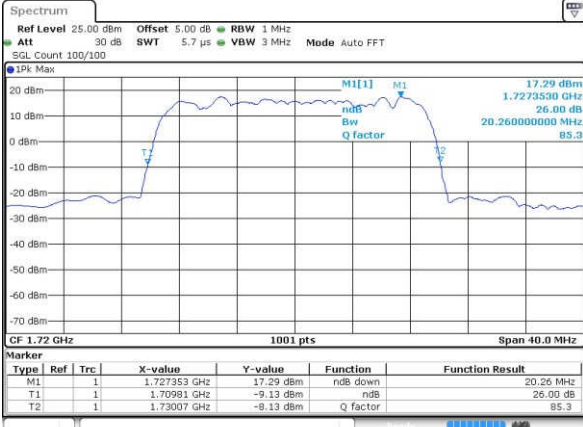


Date: 14. JAN 2017 17:49:33



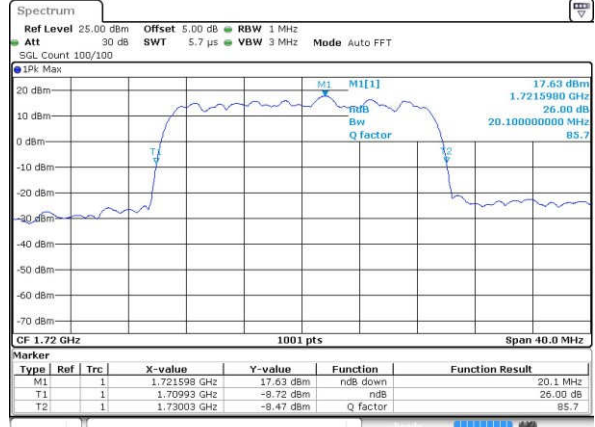
LTE Band 4

Lowest Channel / 20MHz / QPSK



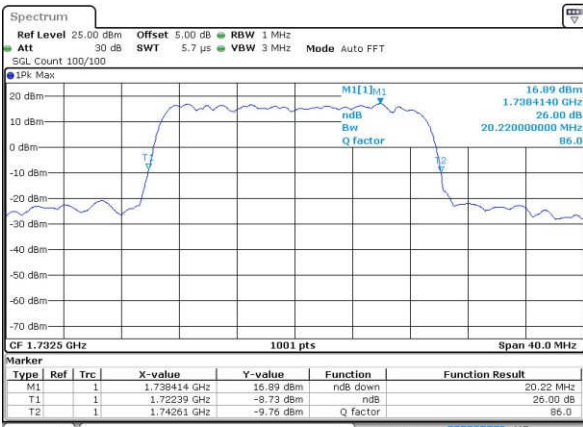
Date: 14. JAN 2017 17:56:26

Lowest Channel / 20MHz / 16QAM



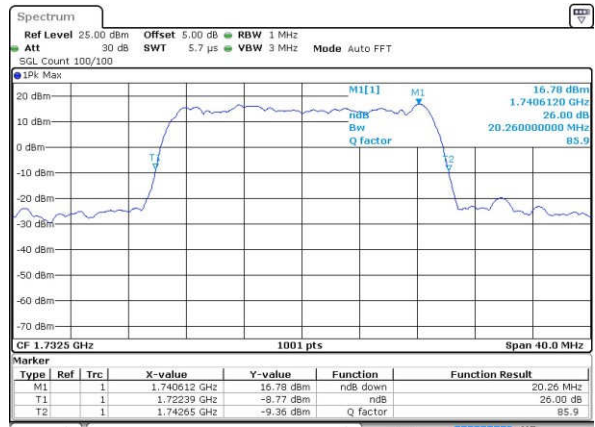
Date: 14. JAN 2017 17:56:37

Middle Channel / 20MHz / QPSK



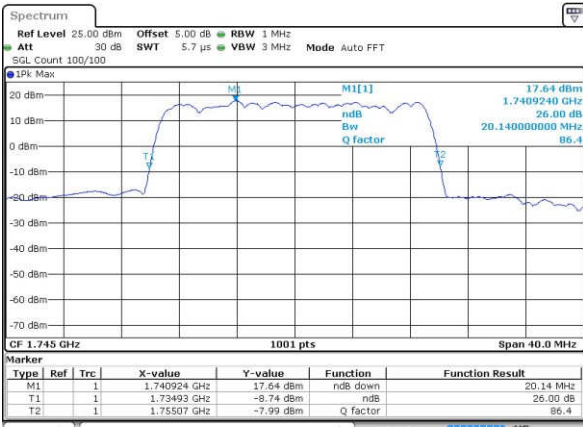
Date: 14. JAN 2017 18:03:29

Middle Channel / 20MHz / 16QAM



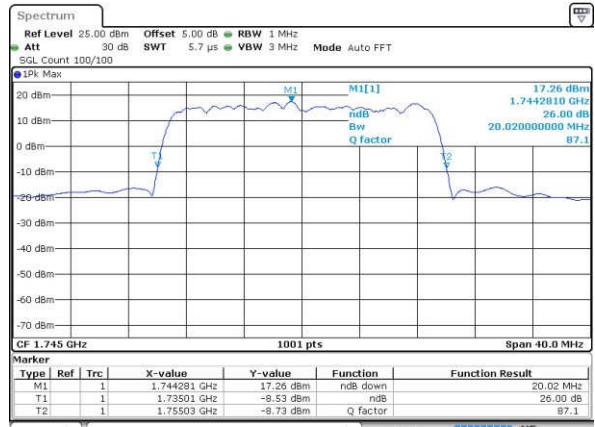
Date: 14. JAN 2017 18:03:40

Highest Channel / 20MHz / QPSK



Date: 14. JAN 2017 18:06:01

Highest Channel / 20MHz / 16QAM

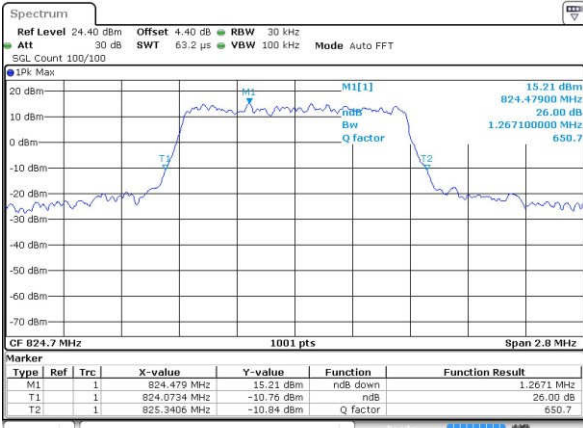


Date: 14. JAN 2017 18:06:11



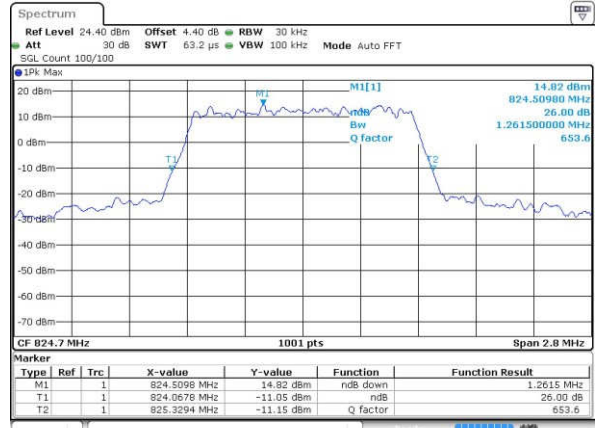
LTE Band 5

Lowest Channel / 1.4MHz / QPSK



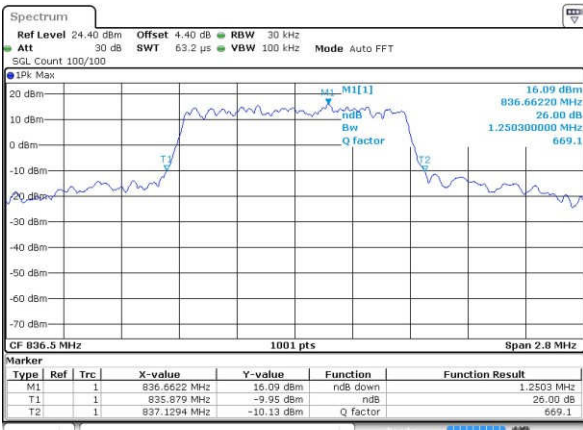
Date: 14. JAN 2017 13:10:40

Lowest Channel / 1.4MHz / 16QAM



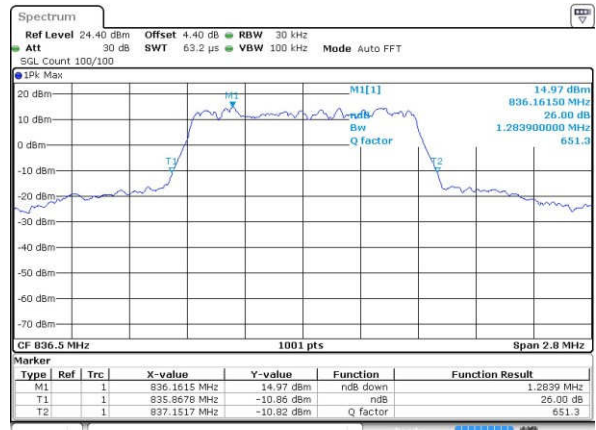
Date: 14. JAN 2017 13:10:30

Middle Channel / 1.4MHz / QPSK



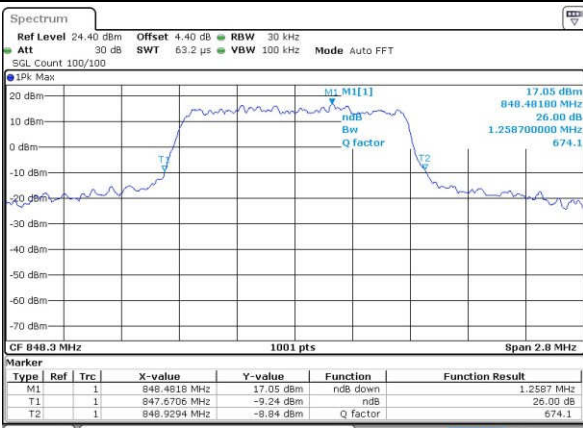
Date: 14. JAN 2017 13:19:32

Middle Channel / 1.4MHz / 16QAM



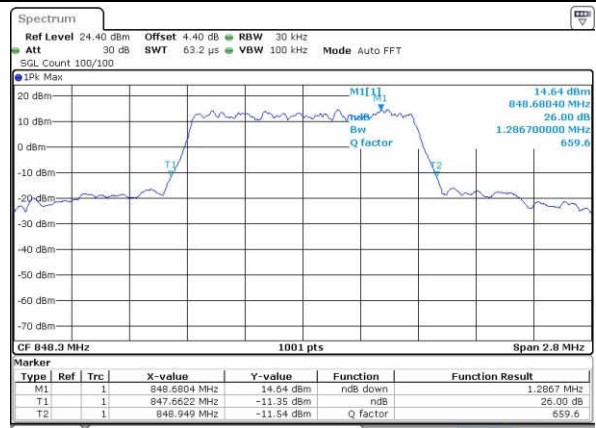
Date: 14. JAN 2017 13:19:42

Highest Channel / 1.4MHz / QPSK



Date: 14. JAN 2017 13:22:03

Highest Channel / 1.4MHz / 16QAM

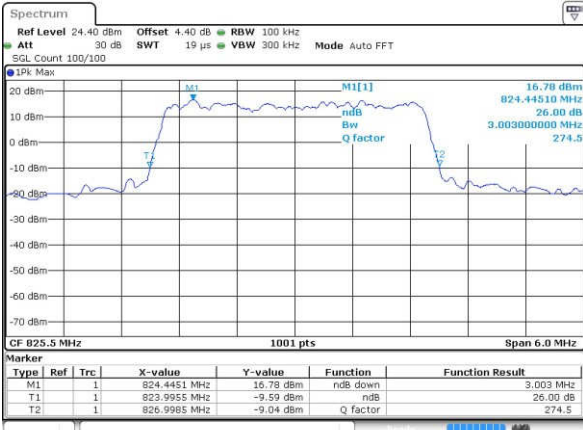


Date: 14. JAN 2017 13:22:14



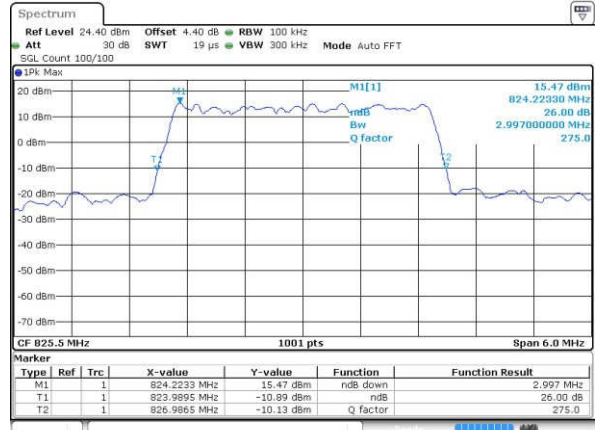
LTE Band 5

Lowest Channel / 3MHz / QPSK



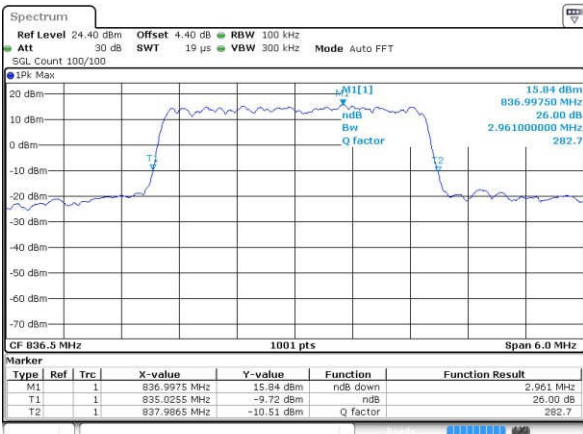
Date: 14 JAN 2017 13:31:05

Lowest Channel / 3MHz / 16QAM



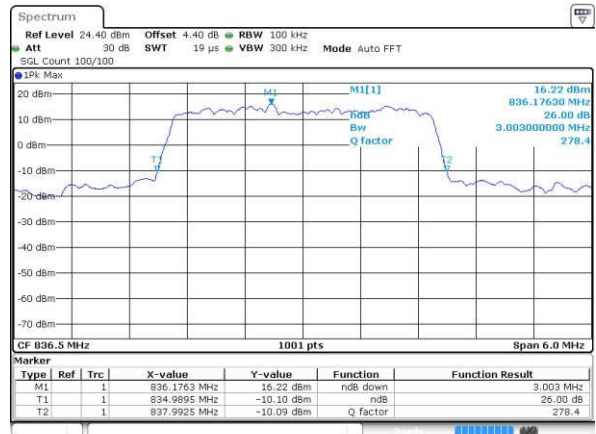
Date: 14 JAN 2017 13:31:15

Middle Channel / 3MHz / QPSK



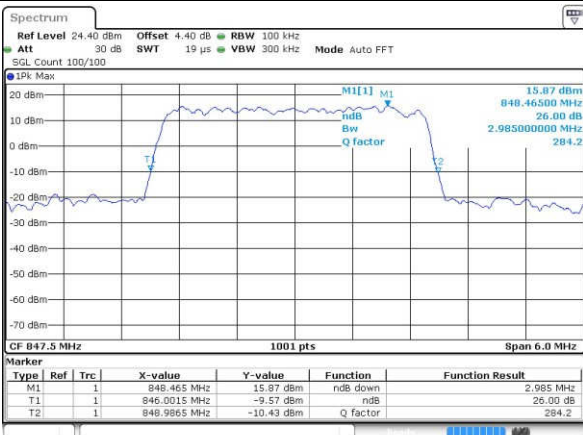
Date: 14 JAN 2017 13:40:07

Middle Channel / 3MHz / 16QAM



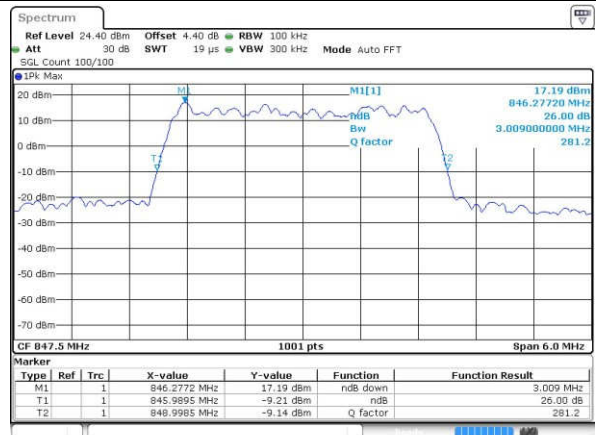
Date: 14 JAN 2017 13:40:17

Highest Channel / 3MHz / QPSK



Date: 14 JAN 2017 13:42:37

Highest Channel / 3MHz / 16QAM

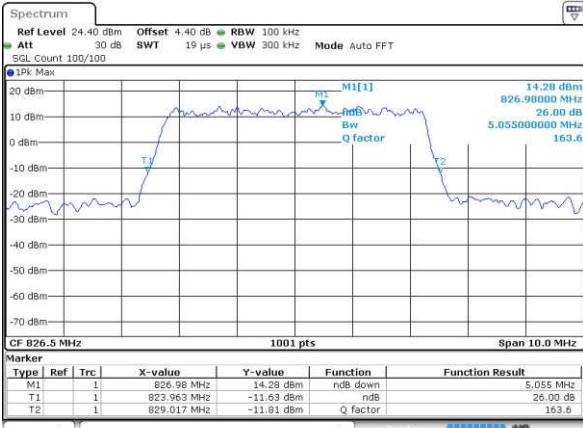


Date: 14 JAN 2017 13:42:47



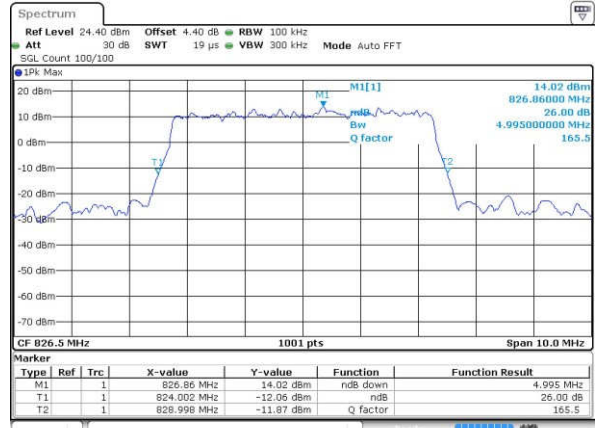
LTE Band 5

Lowest Channel / 5MHz / QPSK



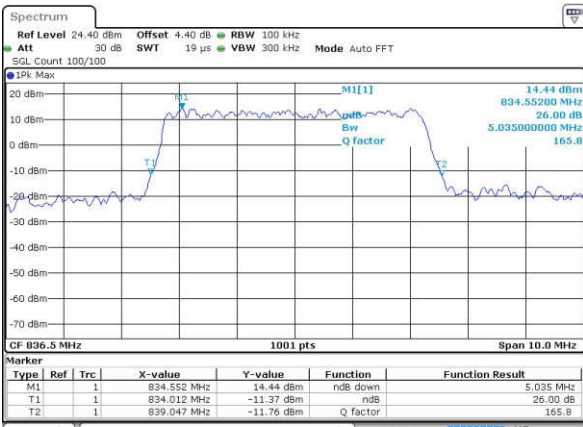
Date: 14 JAN 2017 13:57:44

Lowest Channel / 5MHz / 16QAM



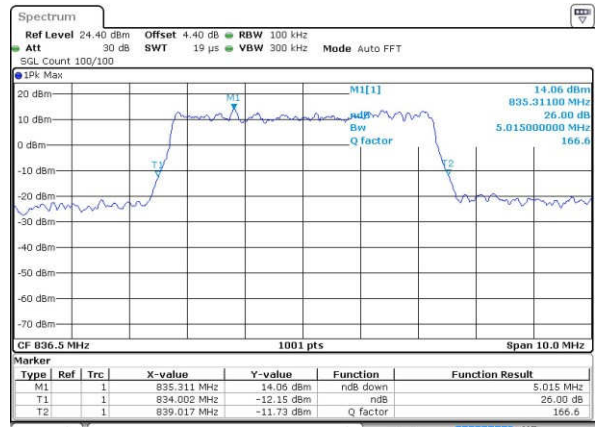
Date: 14 JAN 2017 13:57:54

Middle Channel / 5MHz / QPSK



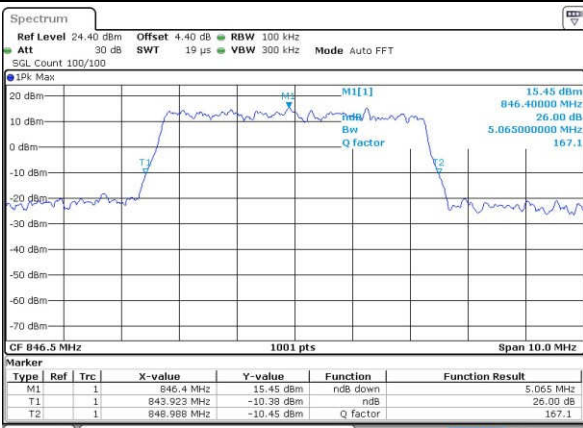
Date: 14 JAN 2017 14:20:48

Middle Channel / 5MHz / 16QAM



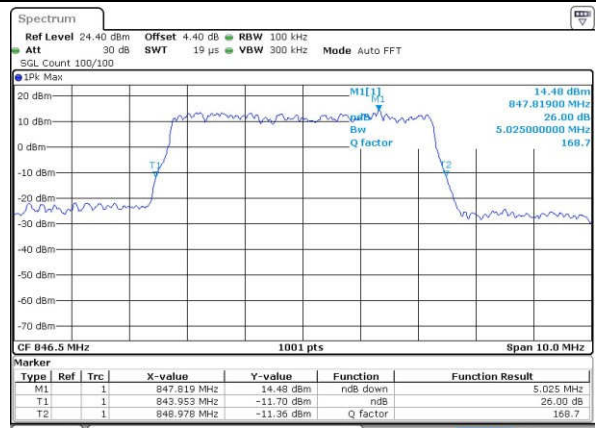
Date: 14 JAN 2017 14:20:58

Highest Channel / 5MHz / QPSK



Date: 14 JAN 2017 14:23:18

Highest Channel / 5MHz / 16QAM

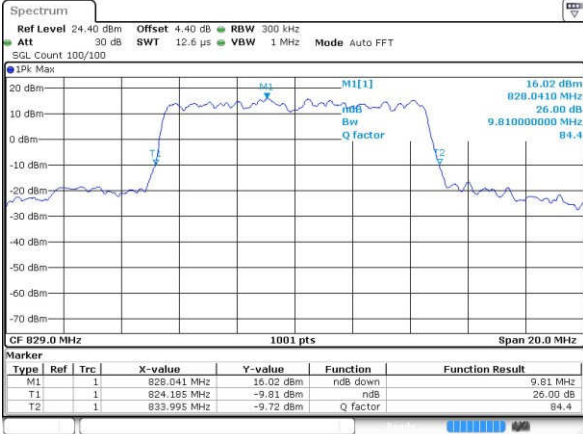


Date: 14 JAN 2017 14:23:29



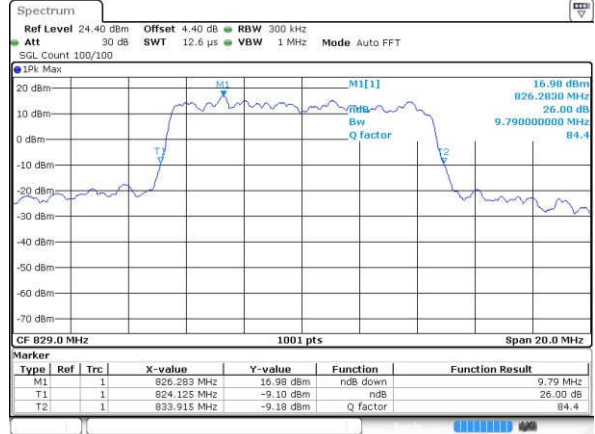
LTE Band 5

Lowest Channel / 10MHz / QPSK



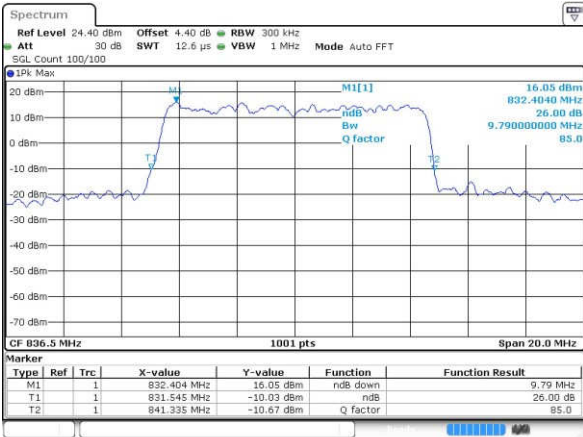
Date: 14. JAN 2017 14:32:20

Lowest Channel / 10MHz / 16QAM



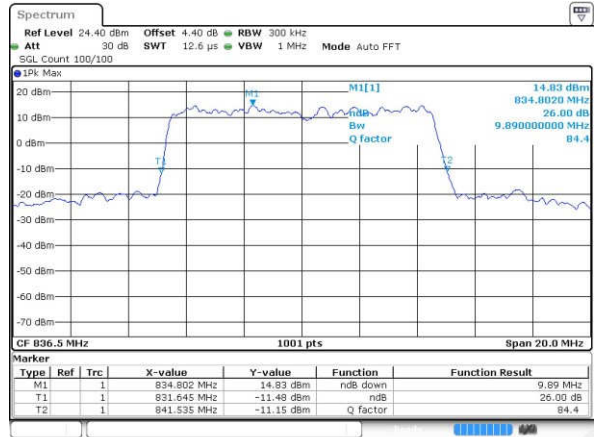
Date: 14. JAN 2017 14:32:30

Middle Channel / 10MHz / QPSK



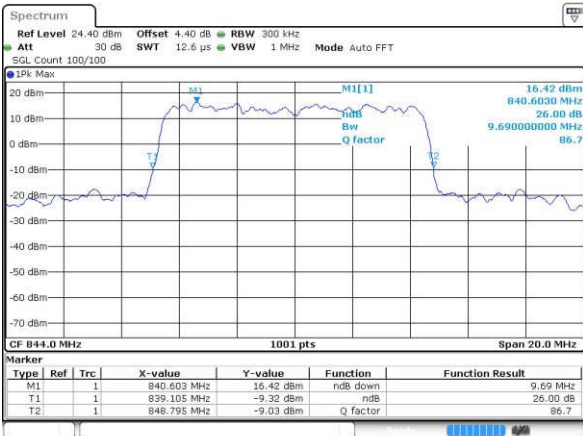
Date: 14. JAN 2017 14:41:22

Middle Channel / 10MHz / 16QAM



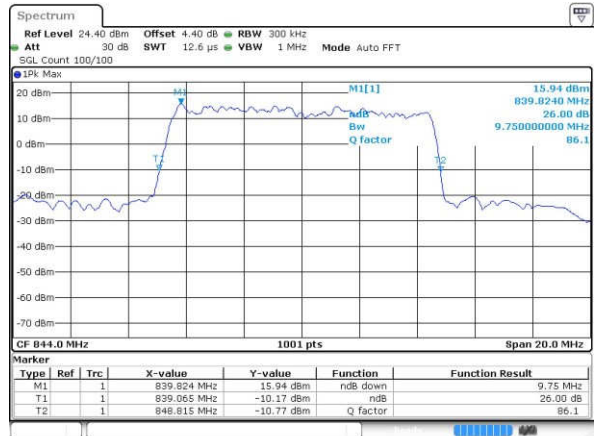
Date: 14. JAN 2017 14:41:32

Highest Channel / 10MHz / QPSK



Date: 14. JAN 2017 14:43:52

Highest Channel / 10MHz / 16QAM

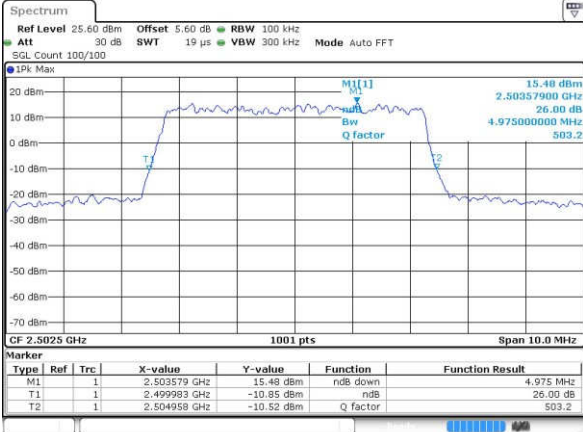


Date: 14. JAN 2017 14:44:03



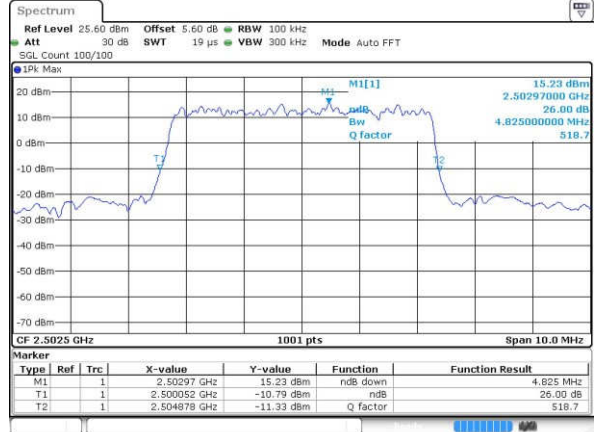
LTE Band 7

Lowest Channel / 5MHz / QPSK



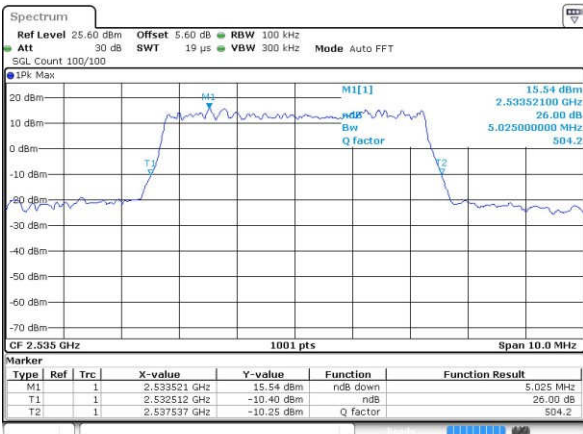
Date: 14. JAN 2017 19:46:40

Lowest Channel / 5MHz / 16QAM



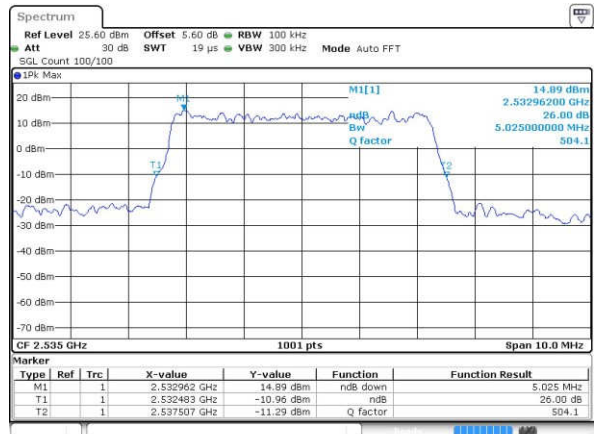
Date: 14. JAN 2017 19:47:01

Middle Channel / 5MHz / QPSK



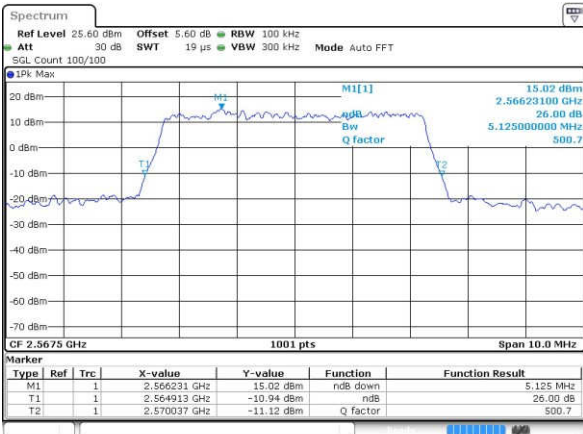
Date: 14. JAN 2017 19:47:42

Middle Channel / 5MHz / 16QAM



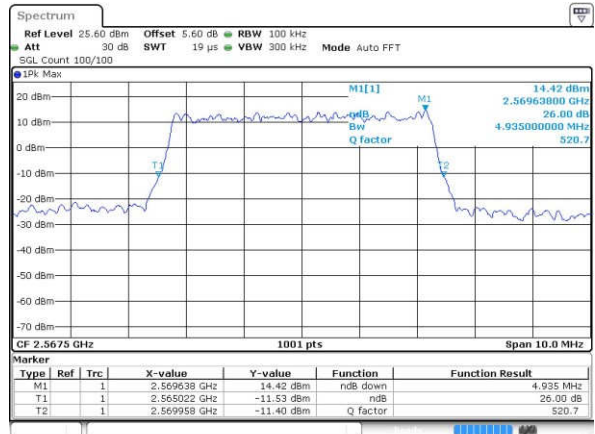
Date: 14. JAN 2017 19:47:21

Highest Channel / 5MHz / QPSK



Date: 14. JAN 2017 19:48:02

Highest Channel / 5MHz / 16QAM

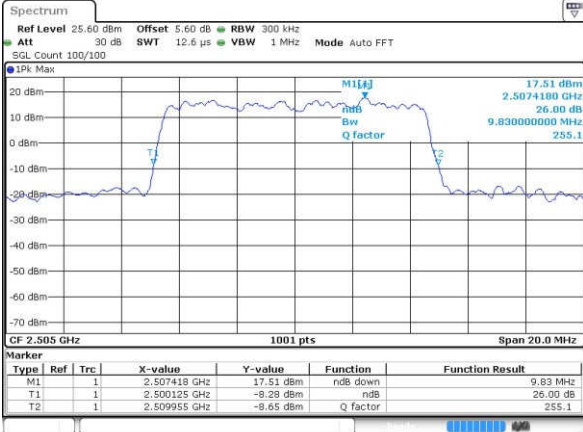


Date: 14. JAN 2017 19:48:23



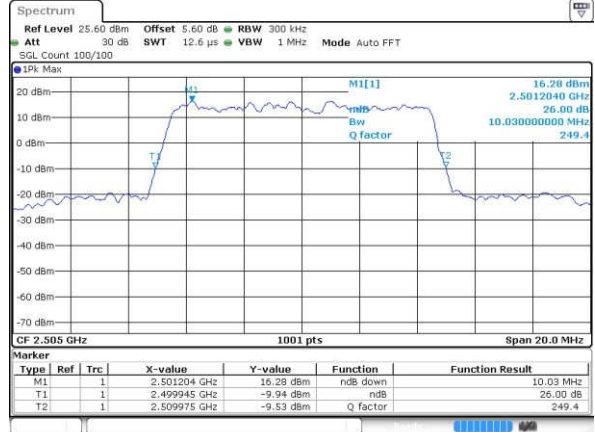
LTE Band 7

Lowest Channel / 10MHz / QPSK



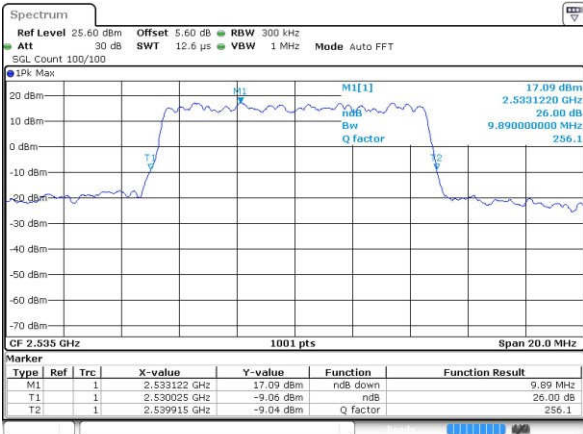
Date: 14. JAN 2017 20 03:16

Lowest Channel / 10MHz / 16QAM



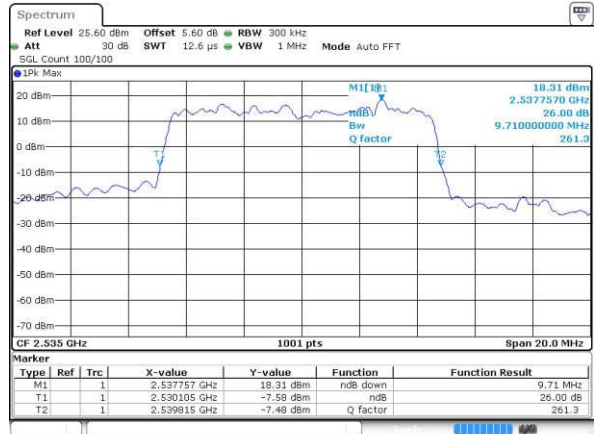
Date: 14. JAN 2017 20 03:36

Middle Channel / 10MHz / QPSK



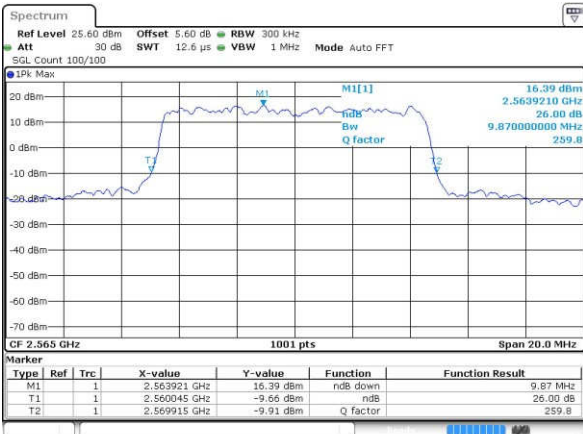
Date: 14. JAN 2017 20 04:17

Middle Channel / 10MHz / 16QAM



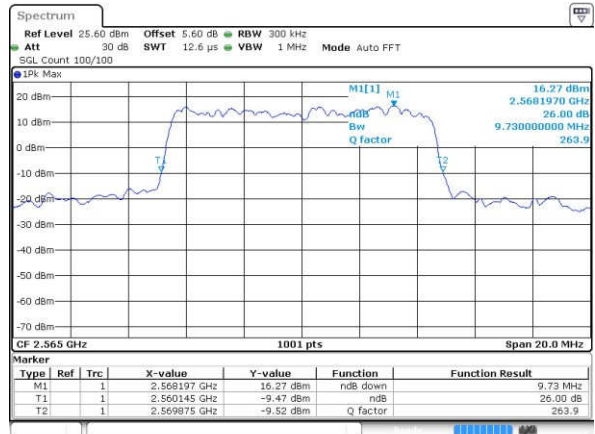
Date: 14. JAN 2017 20 03:57

Highest Channel / 10MHz / QPSK



Date: 14. JAN 2017 20 04:38

Highest Channel / 10MHz / 16QAM

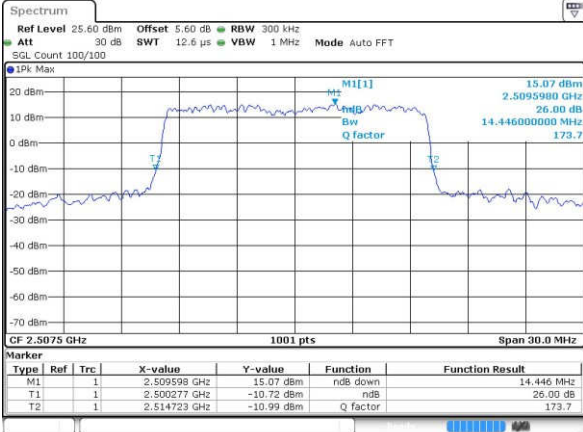


Date: 14. JAN 2017 20 04:59



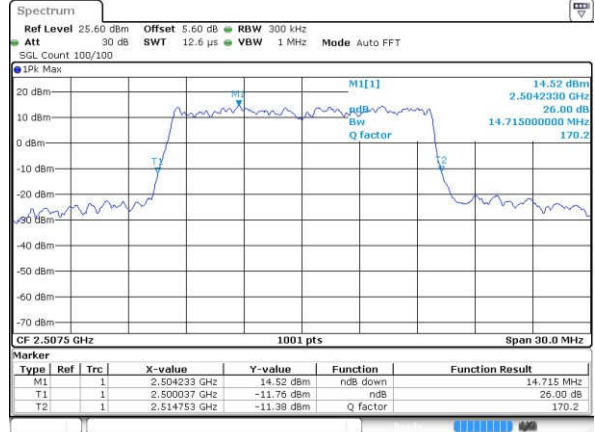
LTE Band 7

Lowest Channel / 15MHz / QPSK



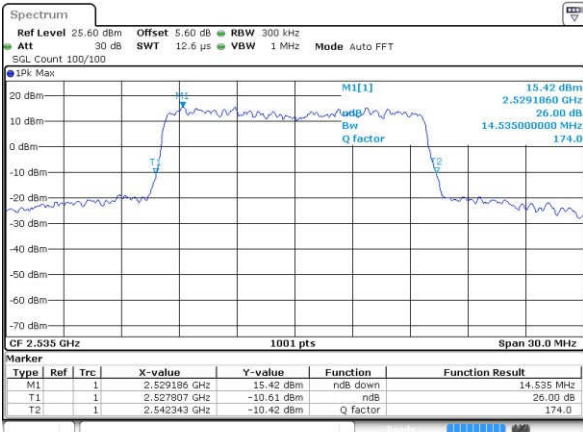
Date: 14. JAN 2017 20:20:12

Lowest Channel / 15MHz / 16QAM



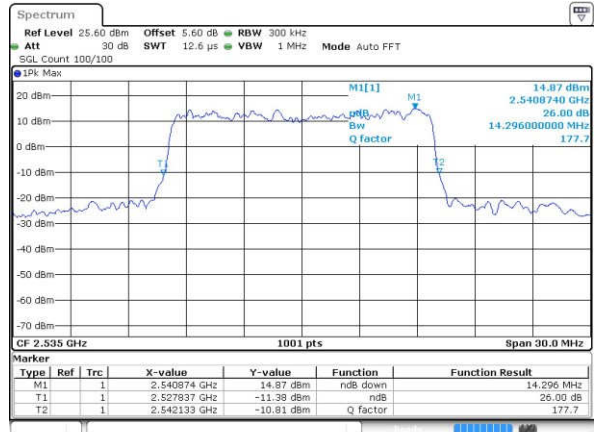
Date: 14. JAN 2017 20:19:51

Middle Channel / 15MHz / QPSK



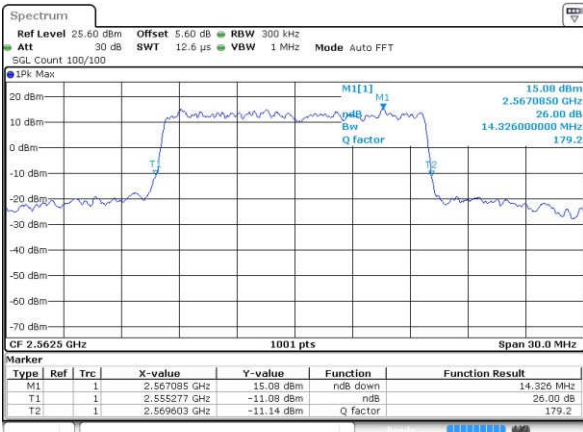
Date: 14. JAN 2017 20:20:32

Middle Channel / 15MHz / 16QAM



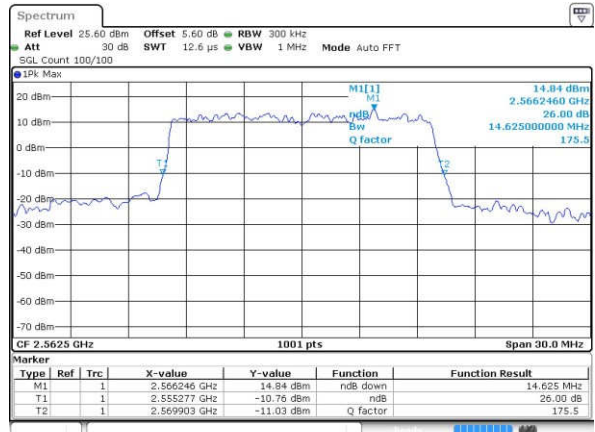
Date: 14. JAN 2017 20:20:53

Highest Channel / 15MHz / QPSK



Date: 14. JAN 2017 20:21:34

Highest Channel / 15MHz / 16QAM

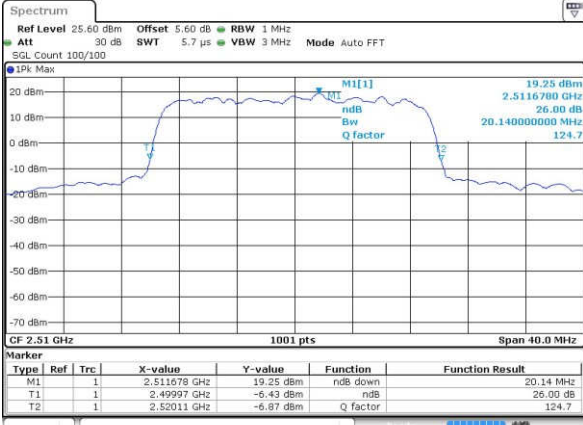


Date: 14. JAN 2017 20:21:14



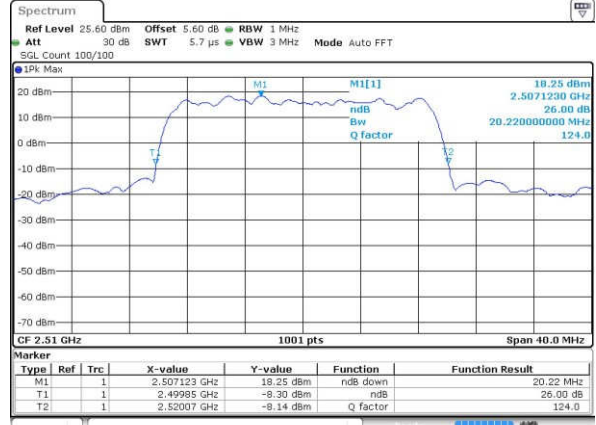
LTE Band 7

Lowest Channel / 20MHz / QPSK



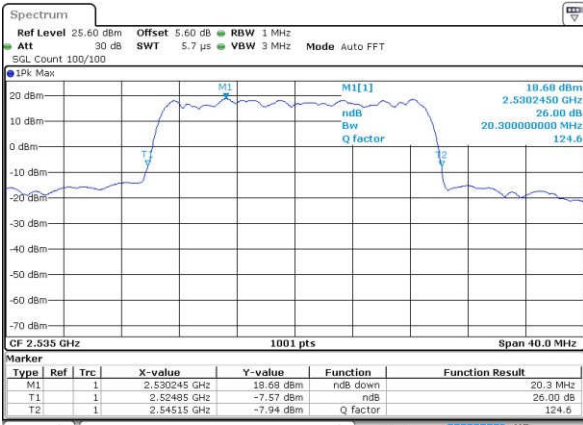
Date: 14. JAN 2017 20:36:48

Lowest Channel / 20MHz / 16QAM



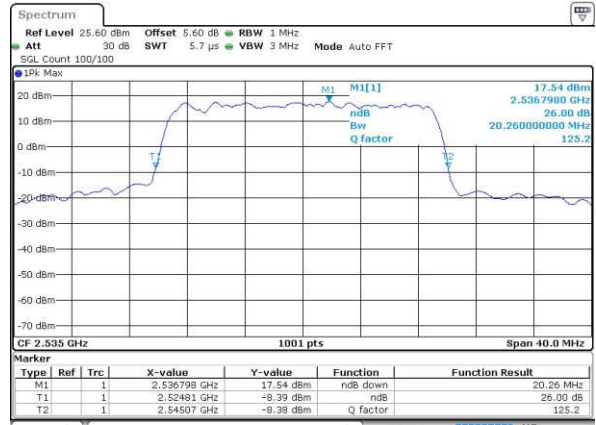
Date: 14. JAN 2017 20:36:27

Middle Channel / 20MHz / QPSK



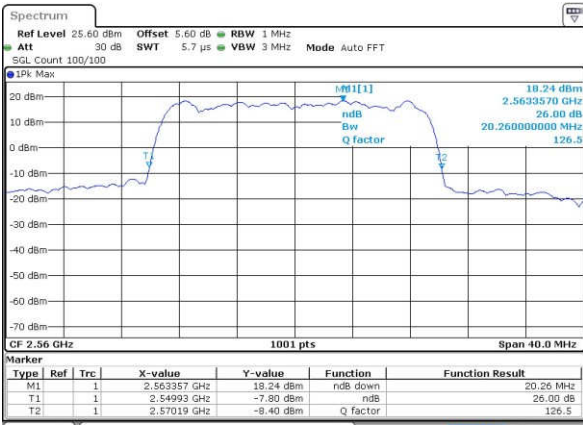
Date: 14. JAN 2017 20:37:08

Middle Channel / 20MHz / 16QAM



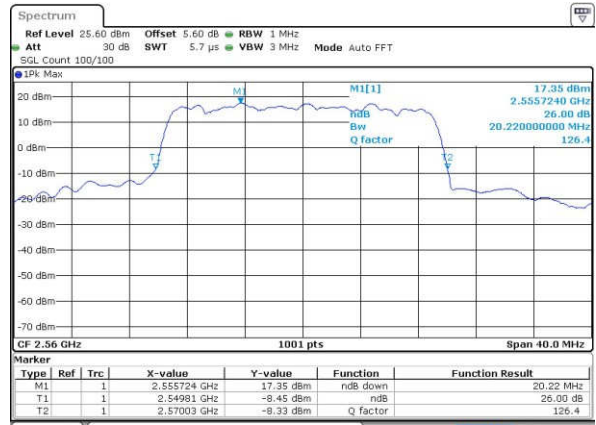
Date: 14. JAN 2017 20:37:25

Highest Channel / 20MHz / QPSK



Date: 14. JAN 2017 20:38:10

Highest Channel / 20MHz / 16QAM



Date: 14. JAN 2017 20:37:49



## Occupied Bandwidth

Mode	LTE Band 2 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.10	2.72	2.74	4.50	4.49	8.93	8.99	13.49	13.49	18.38	18.38
Middle CH	1.09	1.10	2.71	2.72	4.50	4.50	8.99	8.99	13.52	13.49	18.38	18.50
Highest CH	1.09	1.10	2.70	2.70	4.50	4.51	9.07	9.07	13.43	13.46	18.30	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	1.09	2.72	2.71	4.49	4.49	9.03	8.97	13.43	13.43	18.34	18.34
Middle CH	1.09	1.09	2.72	2.73	4.51	4.52	8.97	9.01	13.52	13.46	18.38	18.54
Highest CH	1.09	1.09	2.73	2.70	4.49	4.49	9.05	9.01	13.43	13.49	18.38	18.30

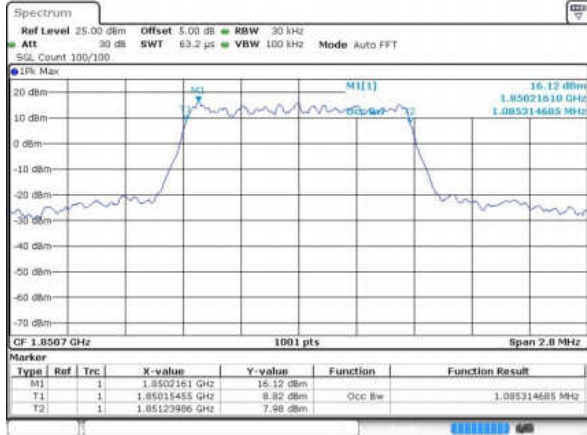
Mode	LTE Band 5 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.10	1.10	2.72	2.70	4.52	4.50	9.09	8.99	-	-	-	-
Middle CH	1.10	1.10	2.72	2.73	4.50	4.52	9.11	9.09	-	-	-	-
Highest CH	1.09	1.10	2.73	2.73	4.54	4.50	9.01	9.05	-	-	-	-

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	4.49	9.01	9.01	13.40	13.43	18.34	18.50
Middle CH	-	-	-	-	4.51	4.50	9.07	9.01	13.43	13.43	18.34	18.26
Highest CH	-	-	-	-	4.50	4.50	9.09	8.99	13.46	13.52	18.38	18.38



LTE Band 2

Lowest Channel / 1.4MHz / QPSK



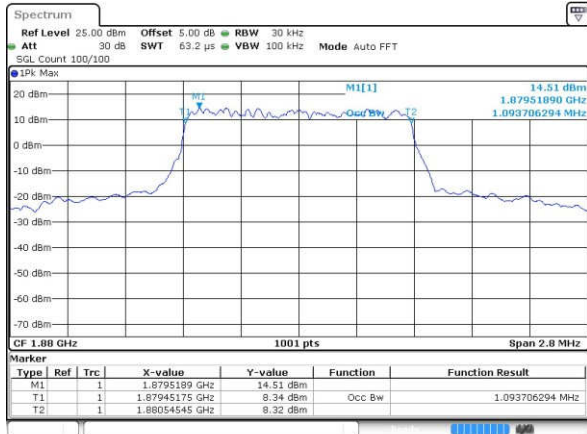
Date: 14 JAN 2017 09:38:15

Lowest Channel / 1.4MHz / 16QAM



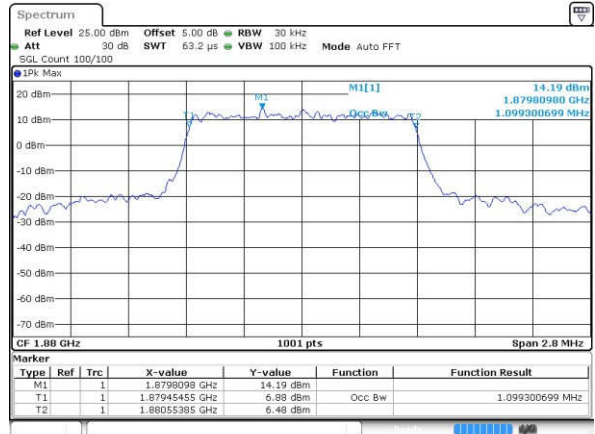
Date: 14 JAN 2017 09:38:26

Middle Channel / 1.4MHz / QPSK



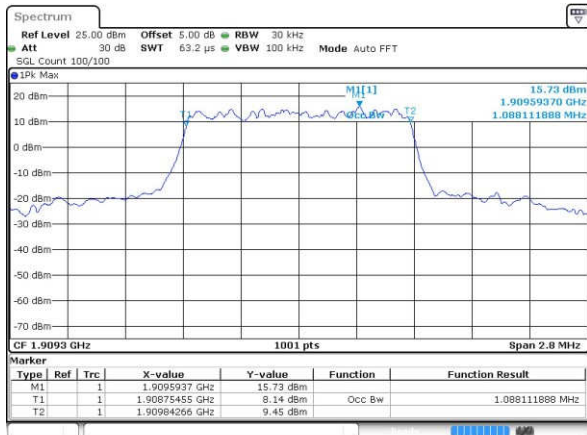
Date: 14 JAN 2017 09:46:19

Middle Channel / 1.4MHz / 16QAM



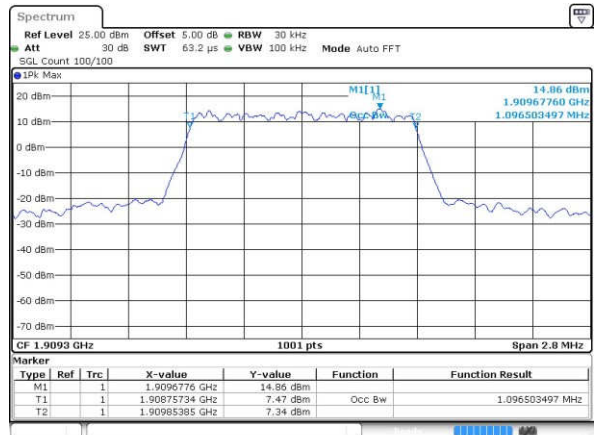
Date: 14 JAN 2017 09:46:29

Highest Channel / 1.4MHz / QPSK



Date: 14 JAN 2017 09:48:50

Highest Channel / 1.4MHz / 16QAM

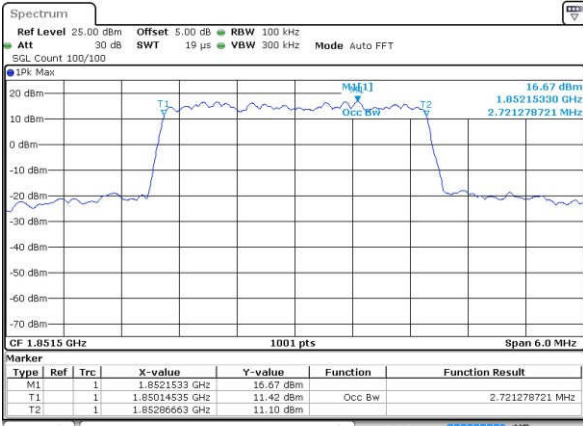


Date: 14 JAN 2017 09:48:00



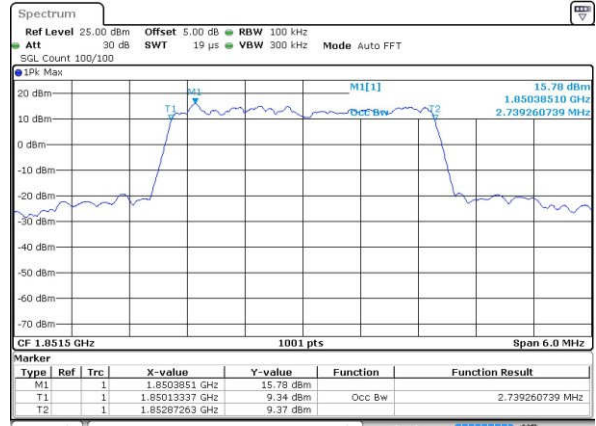
LTE Band 2

Lowest Channel / 3MHz / QPSK



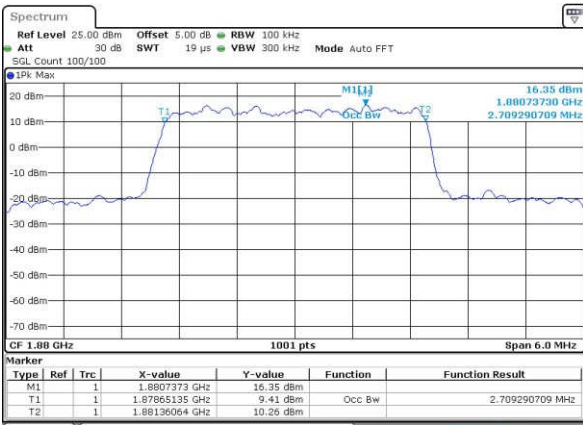
Date: 14. JAN 2017 09:55:53

Lowest Channel / 3MHz / 16QAM



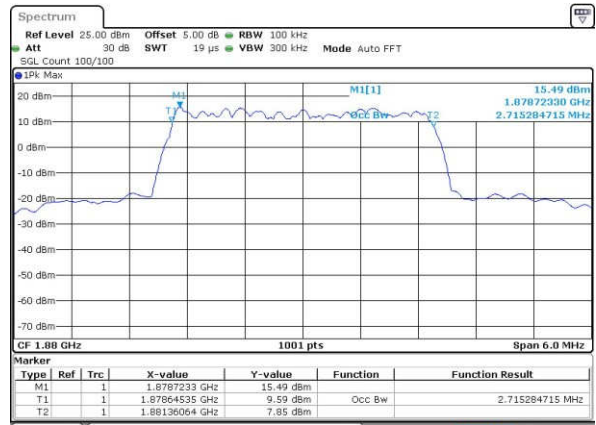
Date: 14. JAN 2017 09:56:03

Middle Channel / 3MHz / QPSK



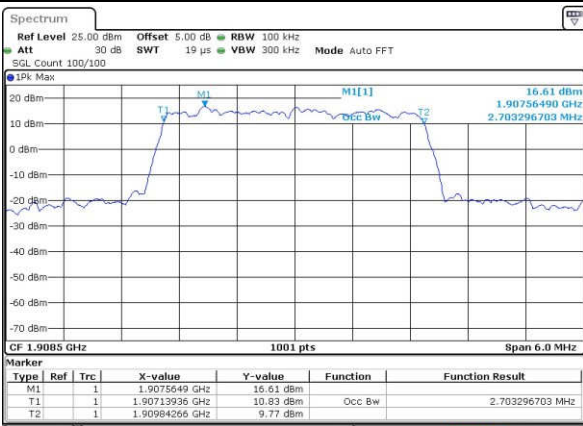
Date: 14. JAN 2017 10:02:55

Middle Channel / 3MHz / 16QAM



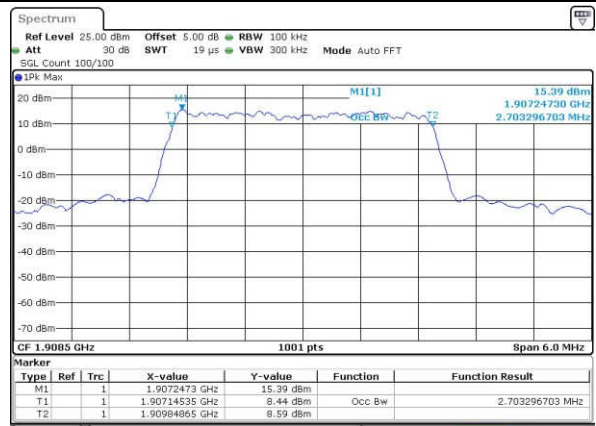
Date: 14. JAN 2017 10:03:05

Highest Channel / 3MHz / QPSK



Date: 14. JAN 2017 10:05:26

Highest Channel / 3MHz / 16QAM

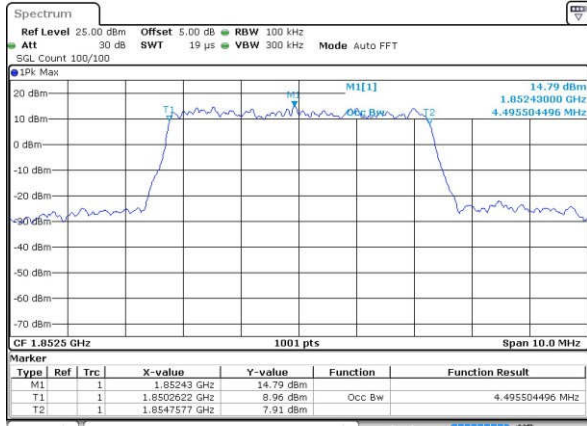


Date: 14. JAN 2017 10:05:37



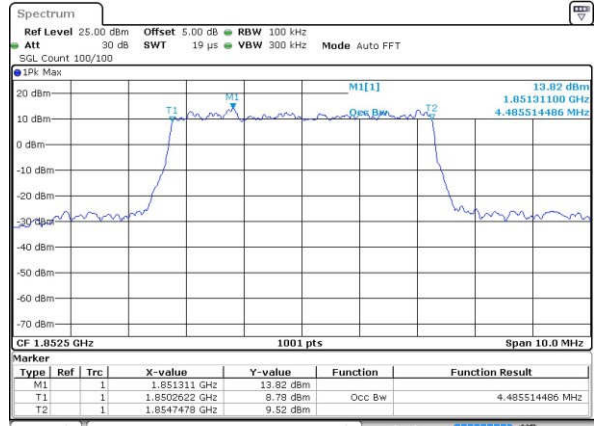
LTE Band 2

Lowest Channel / 5MHz / QPSK



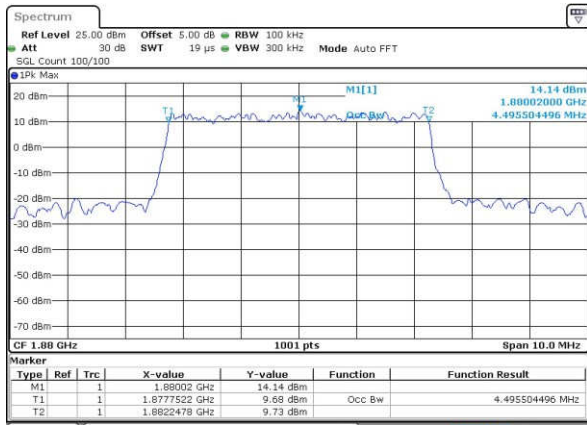
Date: 14 JAN 2017 10:12:29

Lowest Channel / 5MHz / 16QAM



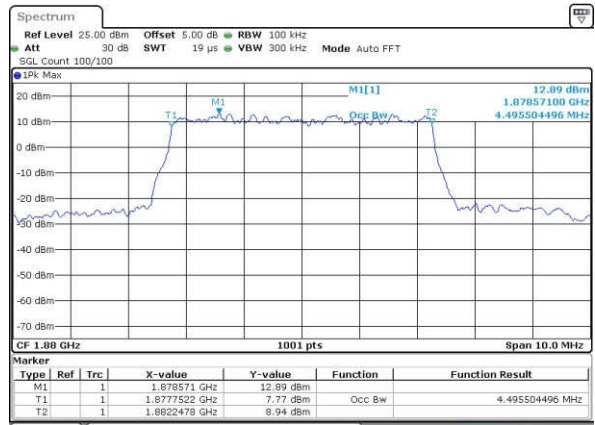
Date: 14 JAN 2017 10:12:39

Middle Channel / 5MHz / QPSK



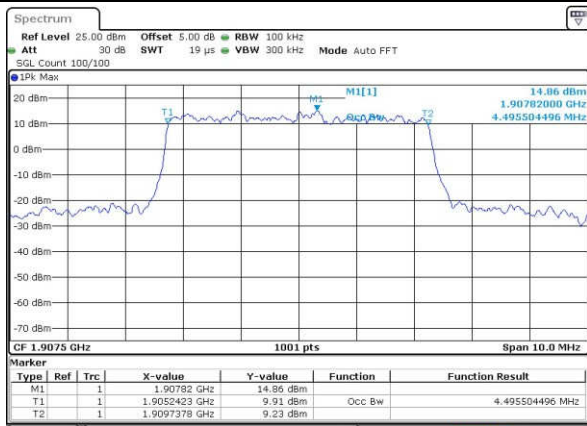
Date: 14 JAN 2017 10:19:31

Middle Channel / 5MHz / 16QAM



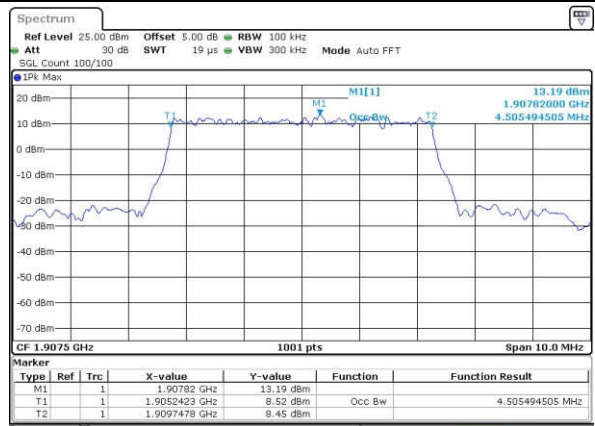
Date: 14 JAN 2017 10:19:41

Highest Channel / 5MHz / QPSK



Date: 14 JAN 2017 10:22:02

Highest Channel / 5MHz / 16QAM

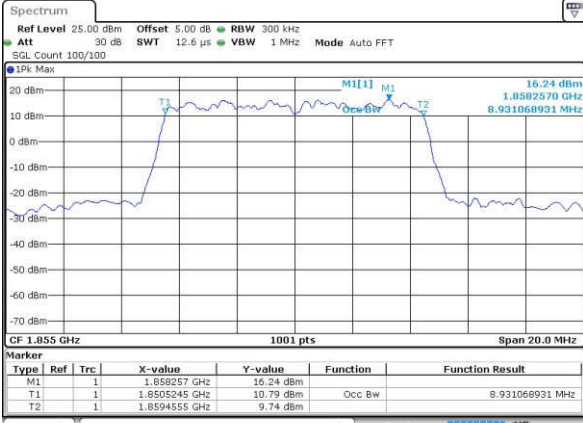


Date: 14 JAN 2017 10:22:12



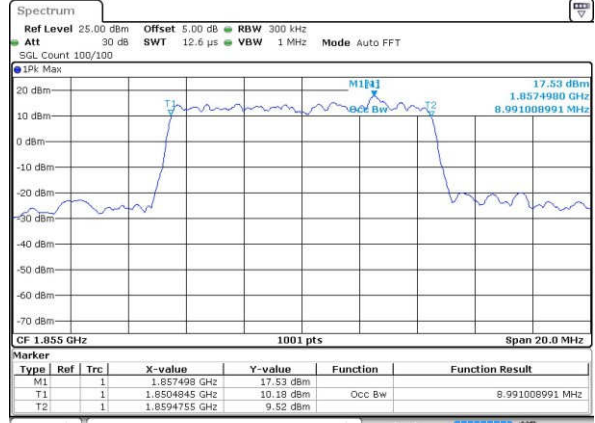
LTE Band 2

Lowest Channel / 10MHz / QPSK



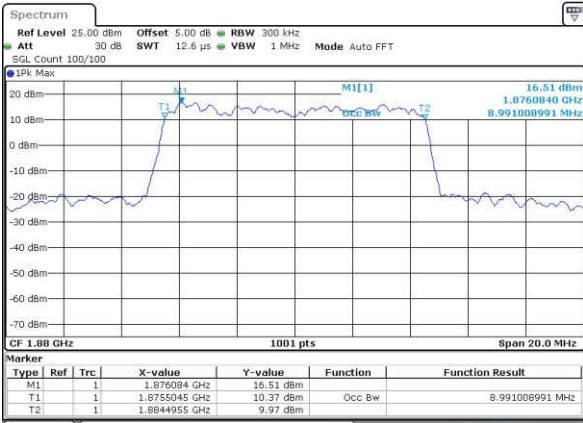
Date: 14. JAN 2017 10:29:04

Lowest Channel / 10MHz / 16QAM



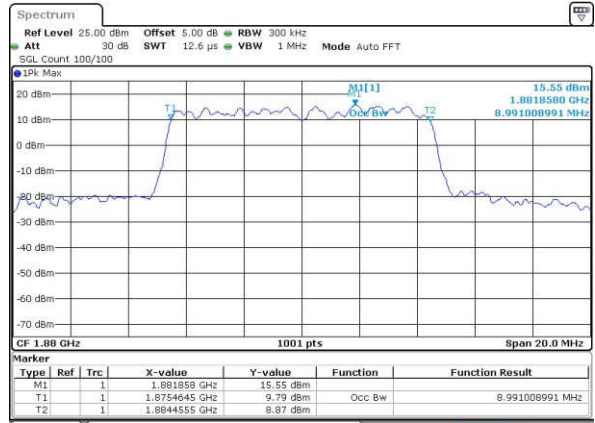
Date: 14. JAN 2017 10:29:15

Middle Channel / 10MHz / QPSK



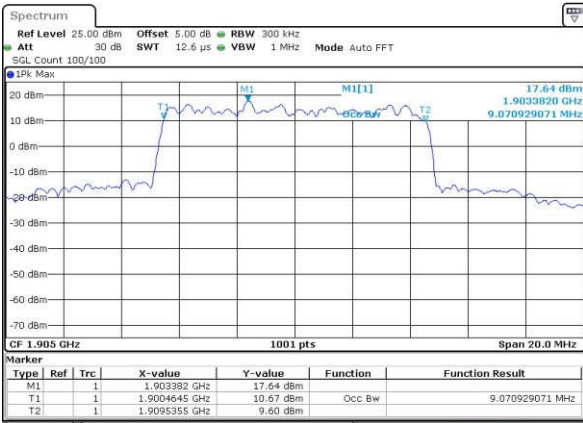
Date: 14. JAN 2017 10:36:10

Middle Channel / 10MHz / 16QAM



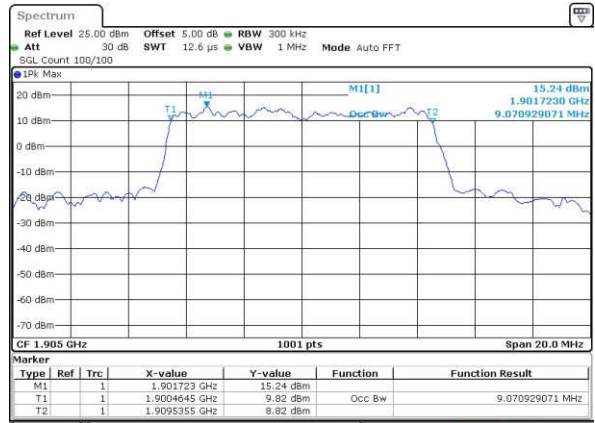
Date: 14. JAN 2017 10:36:20

Highest Channel / 10MHz / QPSK



Date: 14. JAN 2017 10:38:41

Highest Channel / 10MHz / 16QAM

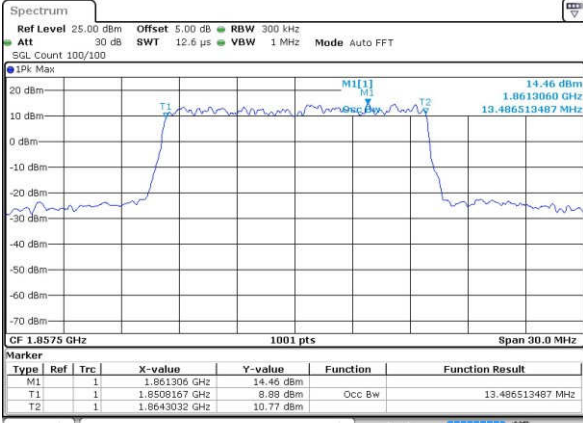


Date: 14. JAN 2017 10:38:52



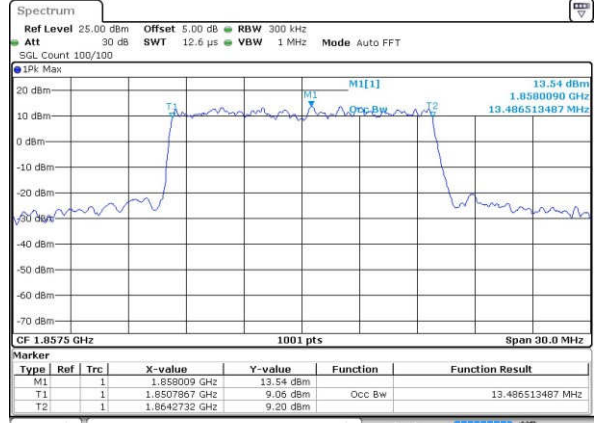
LTE Band 2

Lowest Channel / 15MHz / QPSK



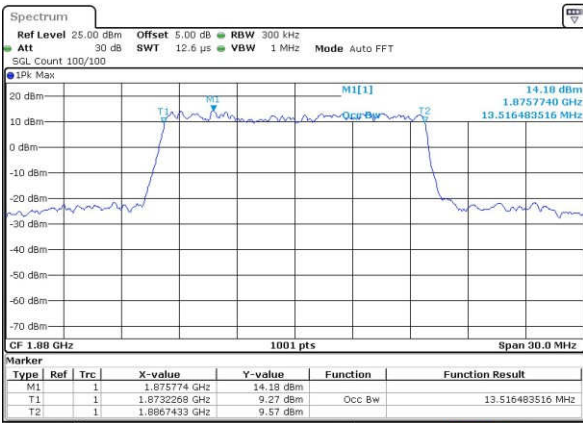
Date: 14. JAN 2017 10:45:44

Lowest Channel / 15MHz / 16QAM



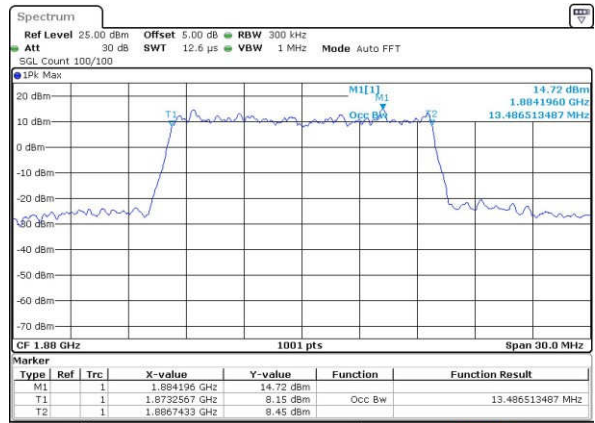
Date: 14. JAN 2017 10:45:54

Middle Channel / 15MHz / QPSK



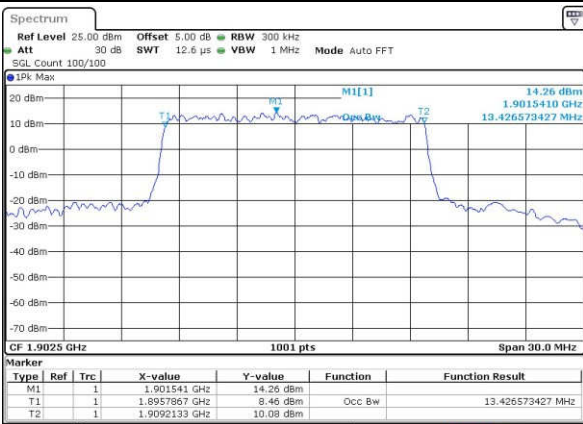
Date: 14. JAN 2017 10:52:46

Middle Channel / 15MHz / 16QAM



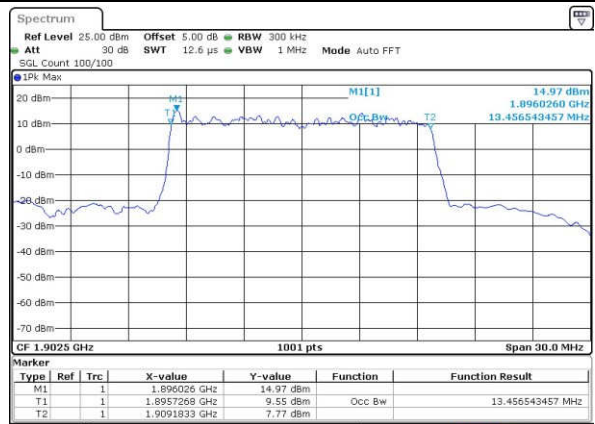
Date: 14. JAN 2017 10:52:57

Highest Channel / 15MHz / QPSK



Date: 14. JAN 2017 10:55:18

Highest Channel / 15MHz / 16QAM

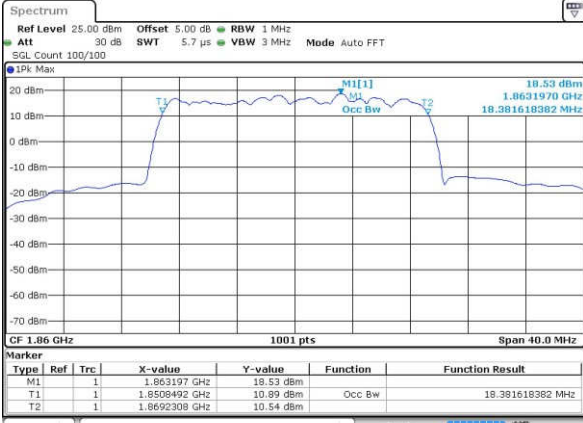


Date: 14. JAN 2017 10:55:28



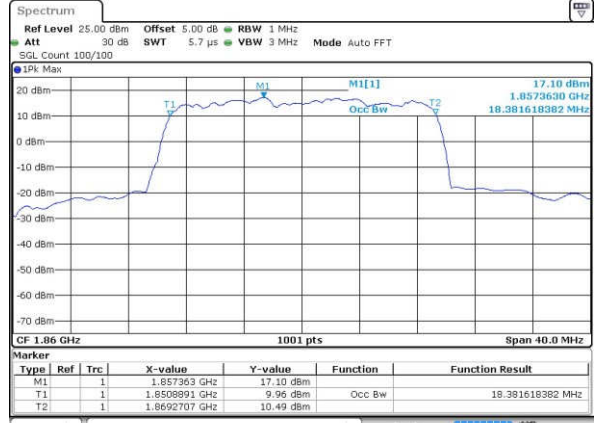
LTE Band 2

Lowest Channel / 20MHz / QPSK



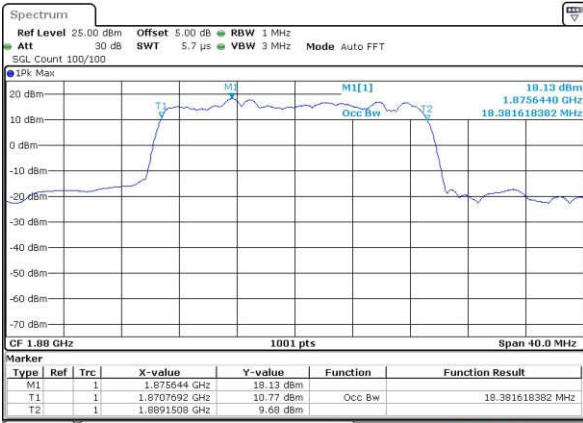
Date: 14 JAN 2017 11:02:20

Lowest Channel / 20MHz / 16QAM



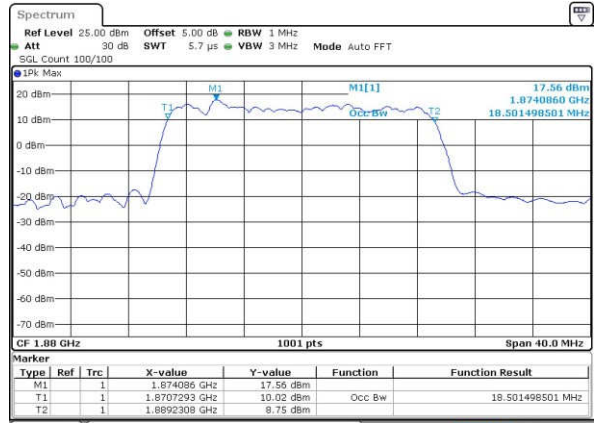
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Middle Channel / 20MHz / QPSK



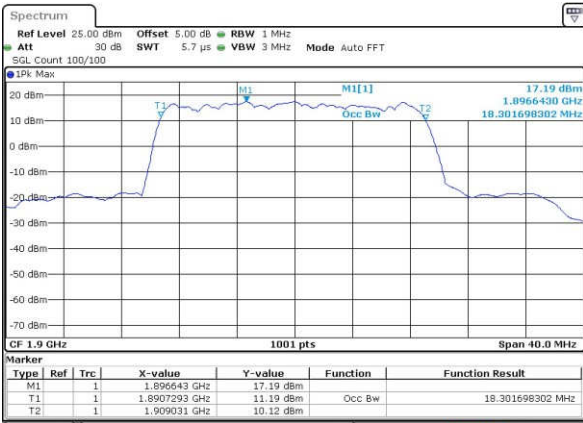
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Middle Channel / 20MHz / 16QAM



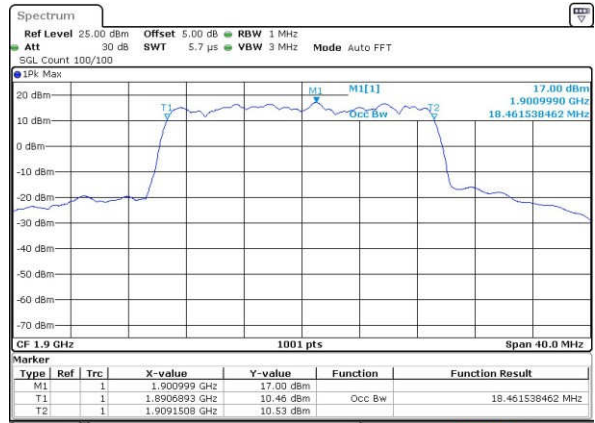
Date: 14 JAN 2017 11:09:32

Highest Channel / 20MHz / QPSK



Date: 14 JAN 2017 11:11:53

Highest Channel / 20MHz / 16QAM



Date: 14 JAN 2017 11:12:03