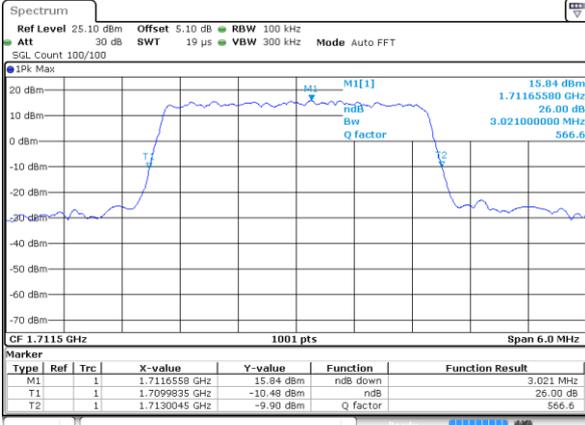




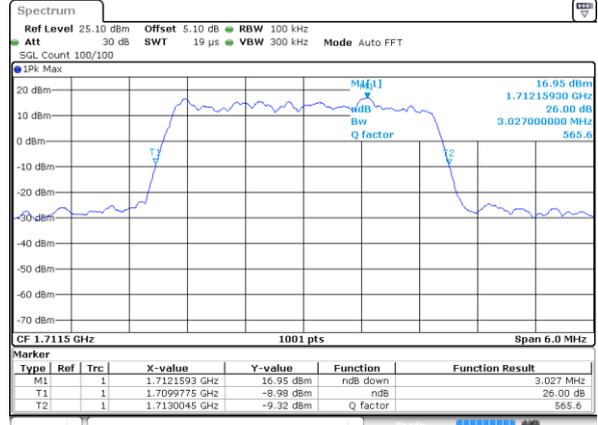
LTE Band 4

Lowest Channel / 3MHz / QPSK



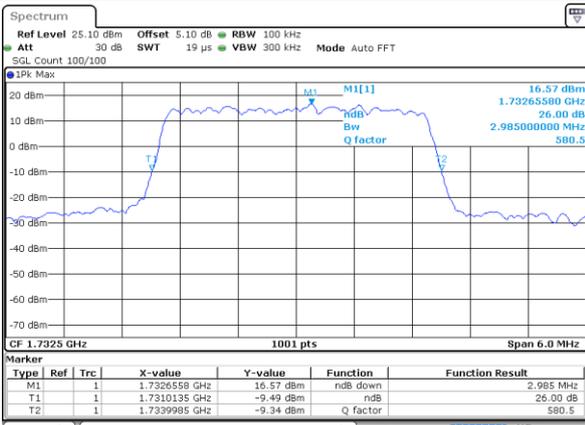
Date: 17 APR 2018 16:15:46

Lowest Channel / 3MHz / 16QAM



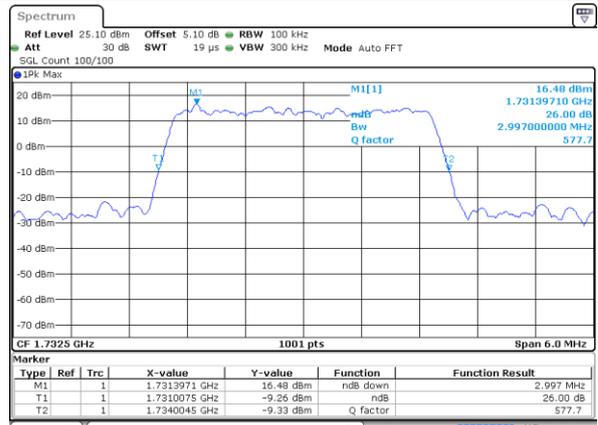
Date: 17 APR 2018 16:15:57

Middle Channel / 3MHz / QPSK



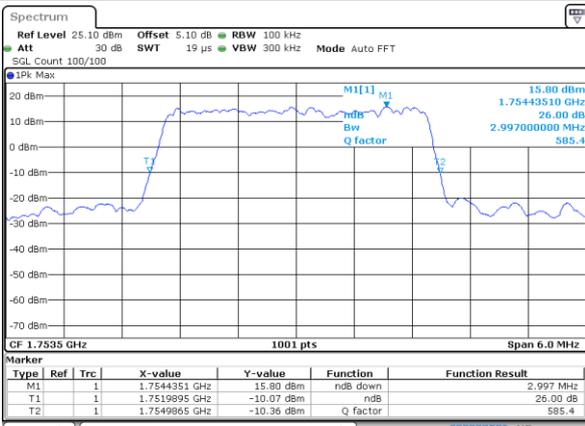
Date: 17 APR 2018 16:22:52

Middle Channel / 3MHz / 16QAM



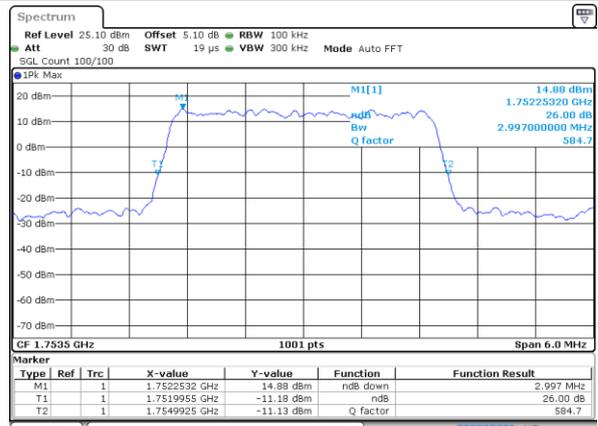
Date: 17 APR 2018 16:23:03

Highest Channel / 3MHz / QPSK



Date: 17 APR 2018 16:25:26

Highest Channel / 3MHz / 16QAM

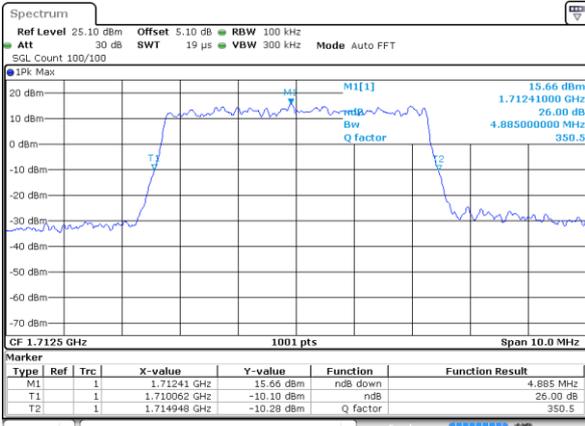


Date: 17 APR 2018 16:25:37



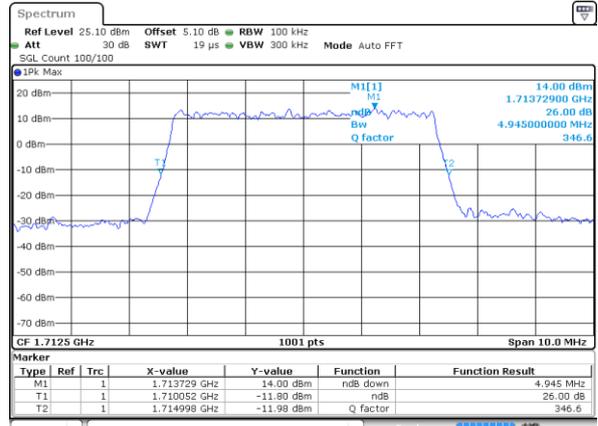
LTE Band 4

Lowest Channel / 5MHz / QPSK



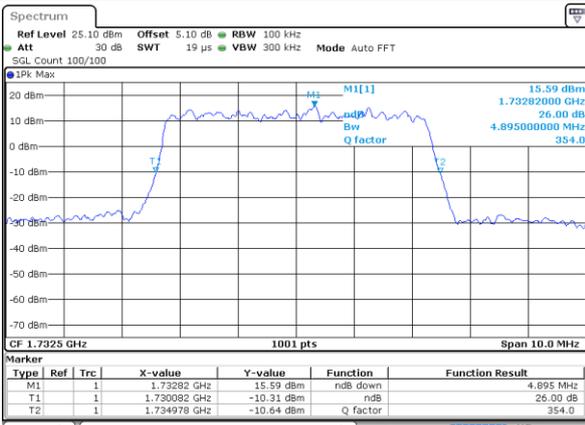
Date: 17 APR 2018 16:32:32

Lowest Channel / 5MHz / 16QAM



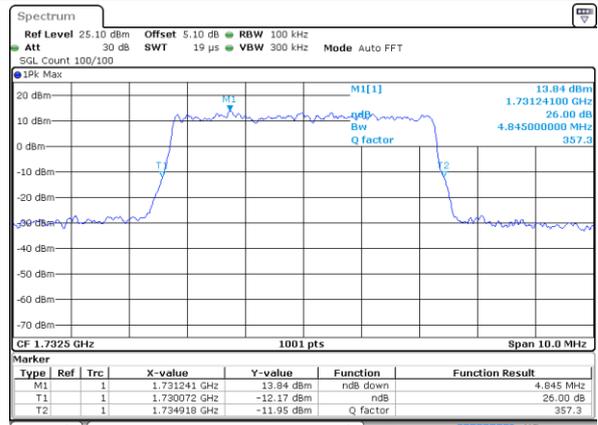
Date: 17 APR 2018 16:32:42

Middle Channel / 5MHz / QPSK



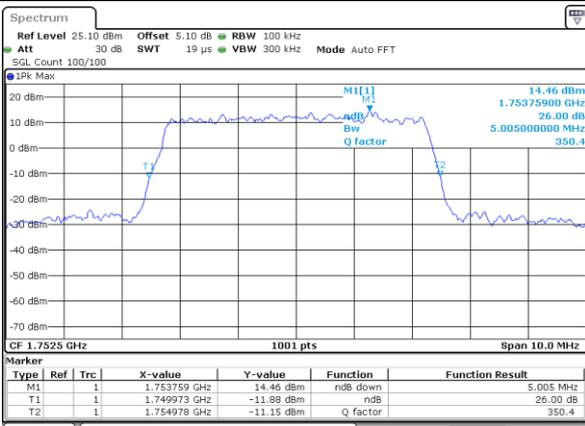
Date: 17 APR 2018 16:39:38

Middle Channel / 5MHz / 16QAM



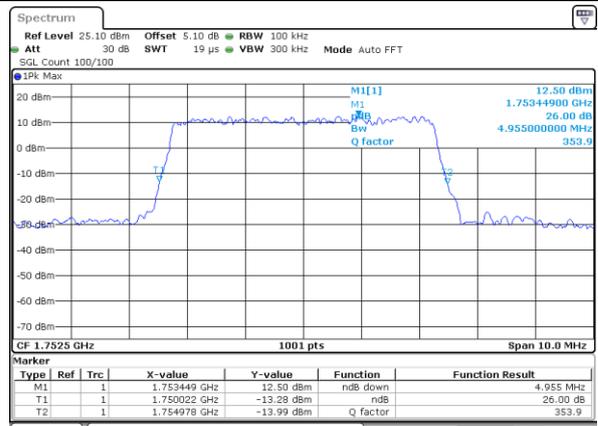
Date: 17 APR 2018 16:39:49

Highest Channel / 5MHz / QPSK



Date: 17 APR 2018 16:42:12

Highest Channel / 5MHz / 16QAM

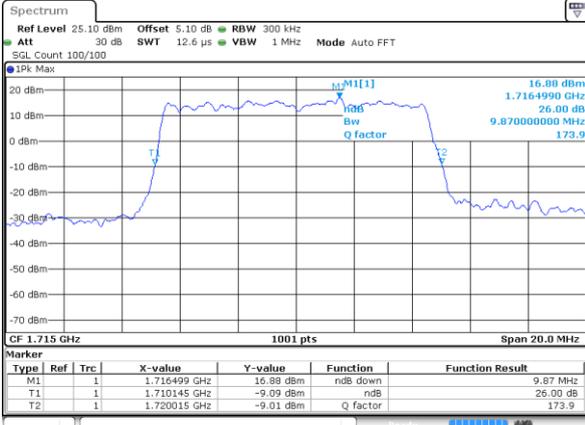


Date: 17 APR 2018 16:42:22



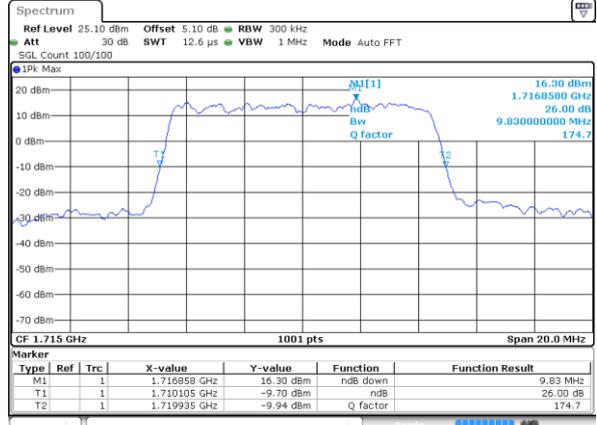
LTE Band 4

Lowest Channel / 10MHz / QPSK



Date: 17 APR 2018 16:49:18

Lowest Channel / 10MHz / 16QAM



Date: 17 APR 2018 16:49:28

Middle Channel / 10MHz / QPSK



Date: 17 APR 2018 16:56:23

Middle Channel / 10MHz / 16QAM



Date: 17 APR 2018 16:56:34

Highest Channel / 10MHz / QPSK



Date: 17 APR 2018 16:58:57

Highest Channel / 10MHz / 16QAM

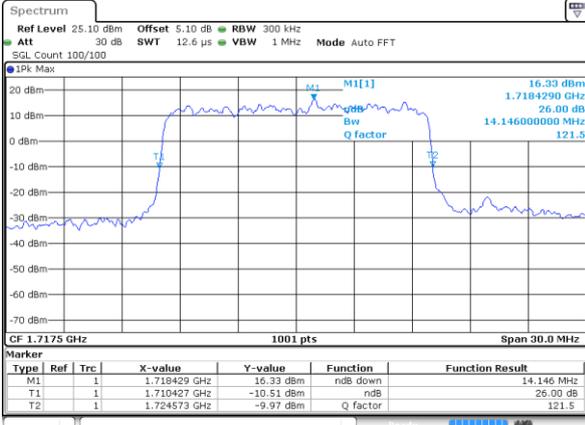


Date: 17 APR 2018 16:59:08



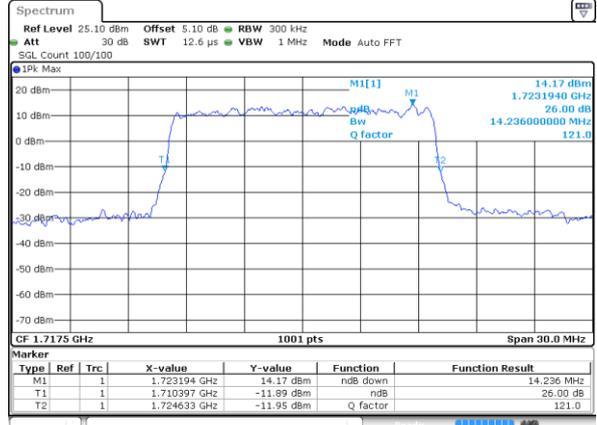
LTE Band 4

Lowest Channel / 15MHz / QPSK



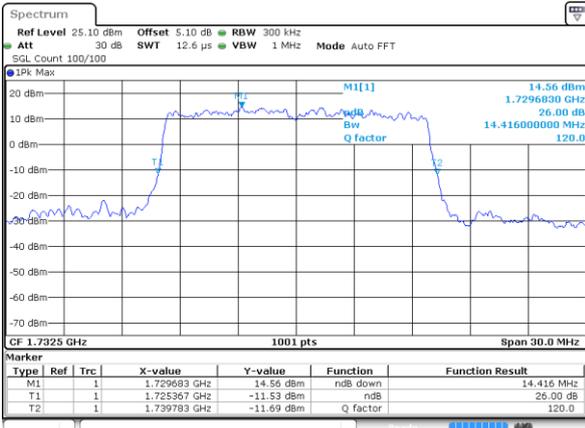
Date: 17 APR 2018 17:06:03

Lowest Channel / 15MHz / 16QAM



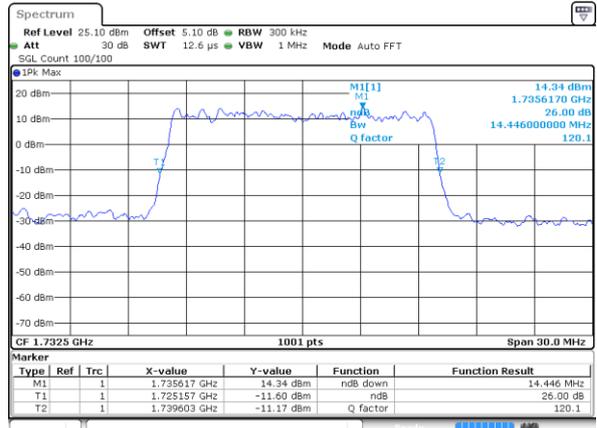
Date: 17 APR 2018 17:06:14

Middle Channel / 15MHz / QPSK



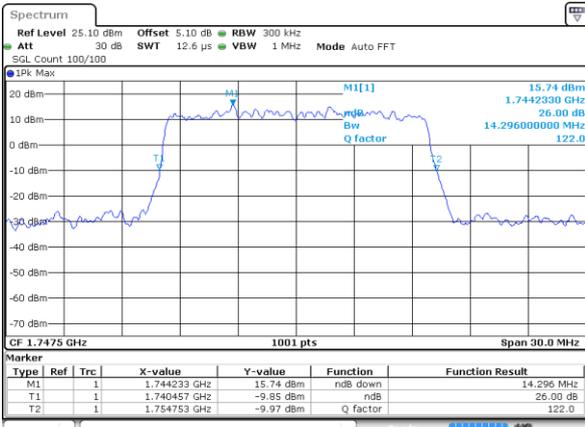
Date: 17 APR 2018 17:13:09

Middle Channel / 15MHz / 16QAM



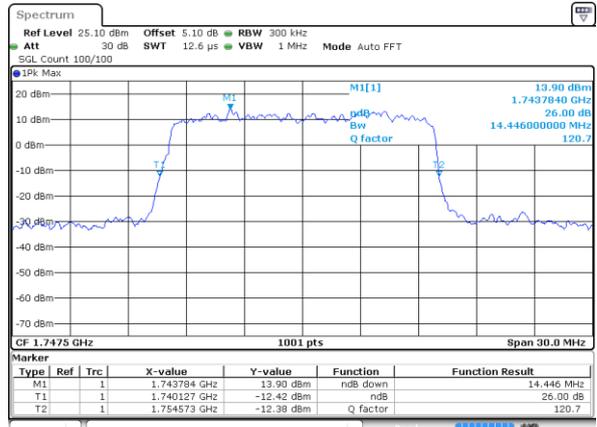
Date: 17 APR 2018 17:13:20

Highest Channel / 15MHz / QPSK



Date: 17 APR 2018 17:15:43

Highest Channel / 15MHz / 16QAM

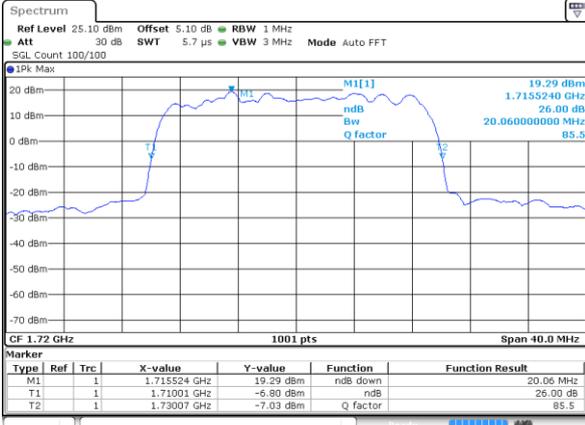


Date: 17 APR 2018 17:15:53



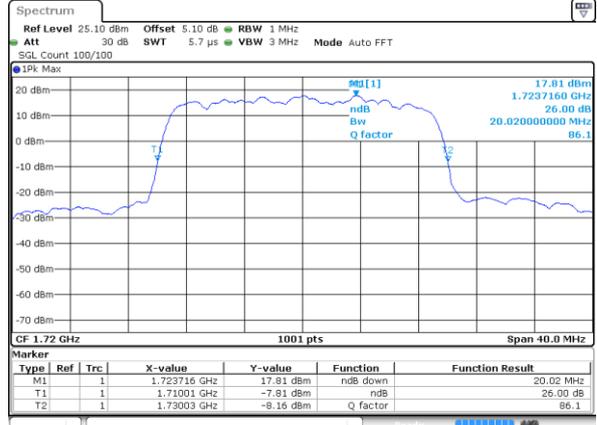
LTE Band 4

Lowest Channel / 20MHz / QPSK



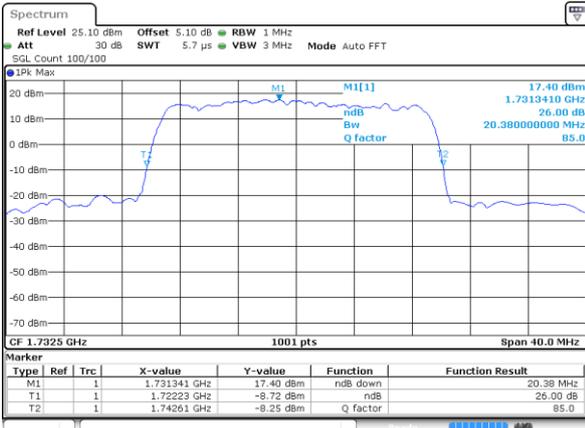
Date: 17 APR 2018 17:22:49

Lowest Channel / 20MHz / 16QAM



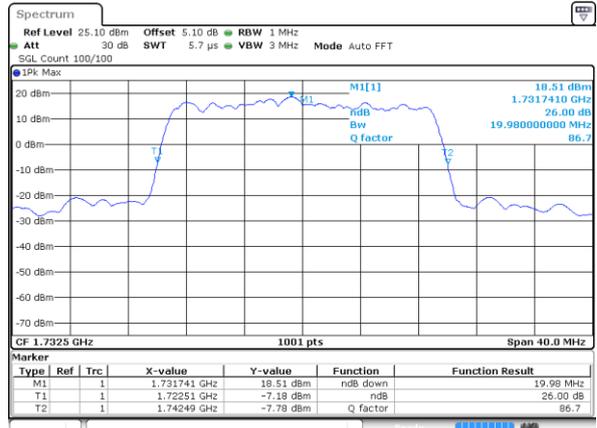
Date: 17 APR 2018 17:22:59

Middle Channel / 20MHz / QPSK



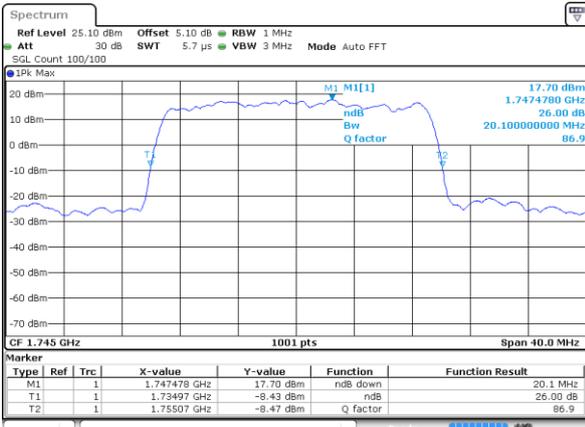
Date: 17 APR 2018 17:29:55

Middle Channel / 20MHz / 16QAM



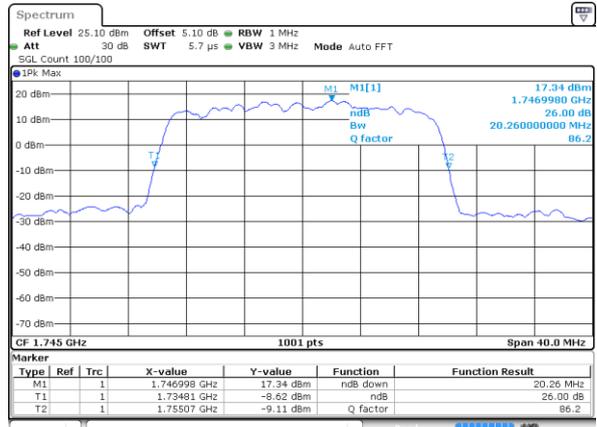
Date: 17 APR 2018 17:30:05

Highest Channel / 20MHz / QPSK



Date: 17 APR 2018 17:32:28

Highest Channel / 20MHz / 16QAM

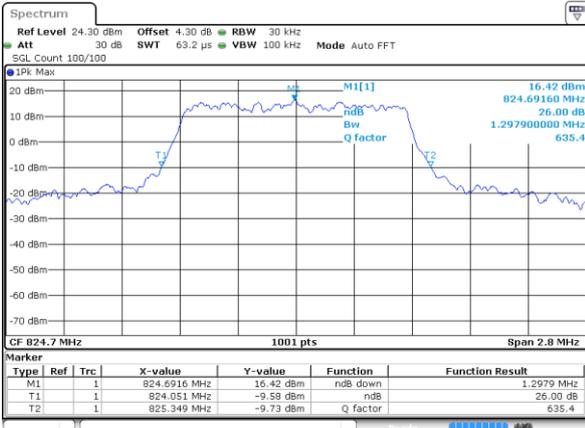


Date: 17 APR 2018 17:32:38



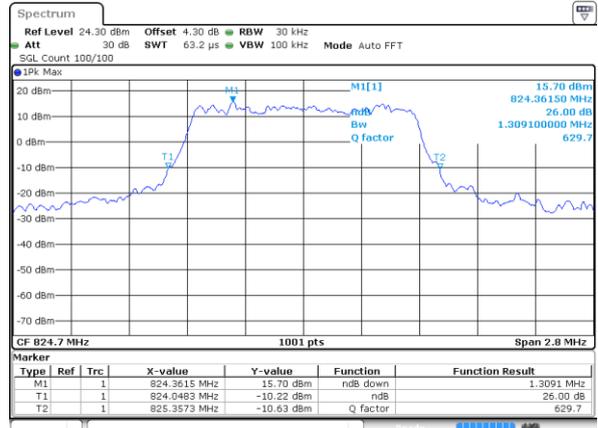
LTE Band 5

Lowest Channel / 1.4MHz / QPSK



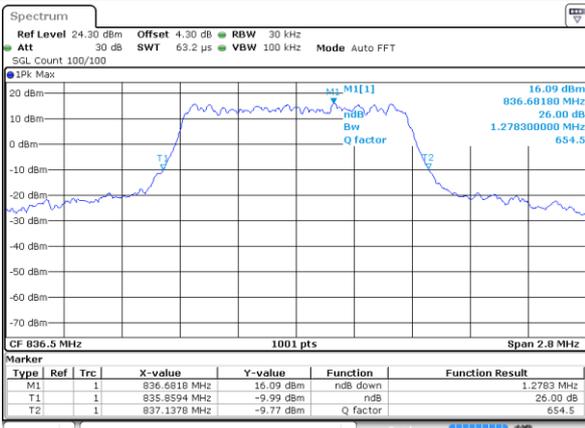
Date: 17 APR 2018 15:44:42

Lowest Channel / 1.4MHz / 16QAM



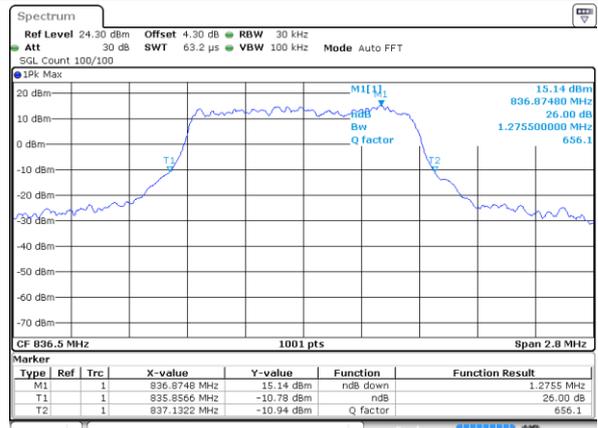
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Middle Channel / 1.4MHz / QPSK



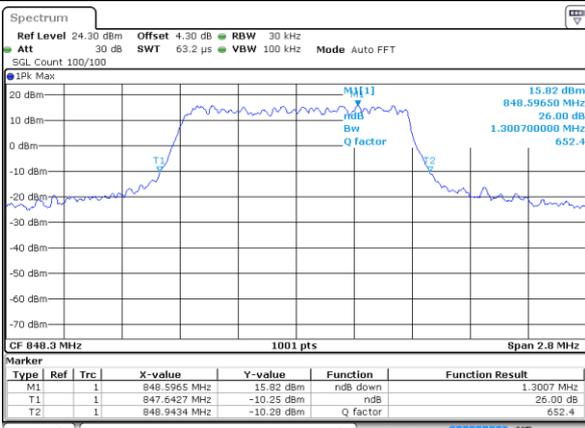
Date: 17 APR 2018 16:05:05

Middle Channel / 1.4MHz / 16QAM



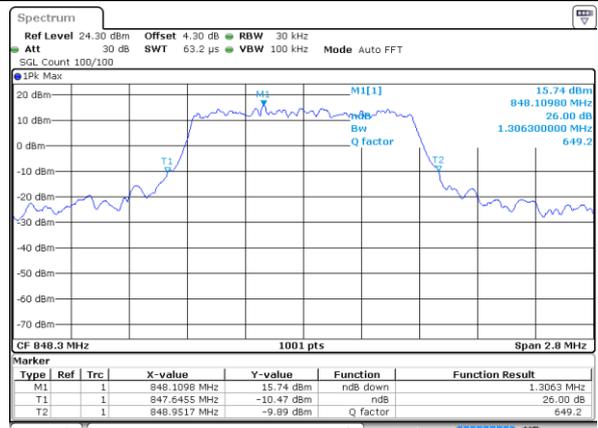
Date: 17 APR 2018 16:05:15

Highest Channel / 1.4MHz / QPSK



Date: 17 APR 2018 16:07:33

Highest Channel / 1.4MHz / 16QAM

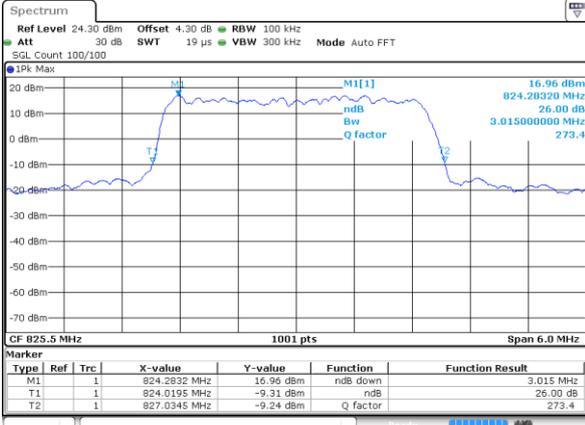


Date: 17 APR 2018 16:07:43



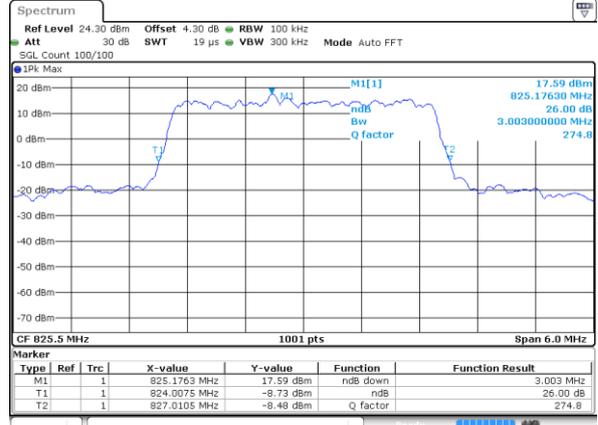
LTE Band 5

Lowest Channel / 3MHz / QPSK



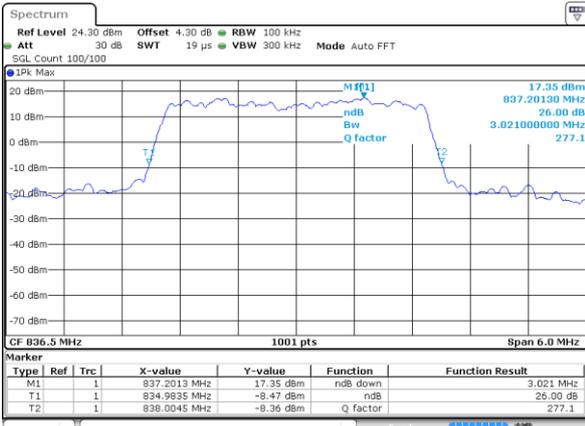
Date: 17 APR 2018 16:16:30

Lowest Channel / 3MHz / 16QAM



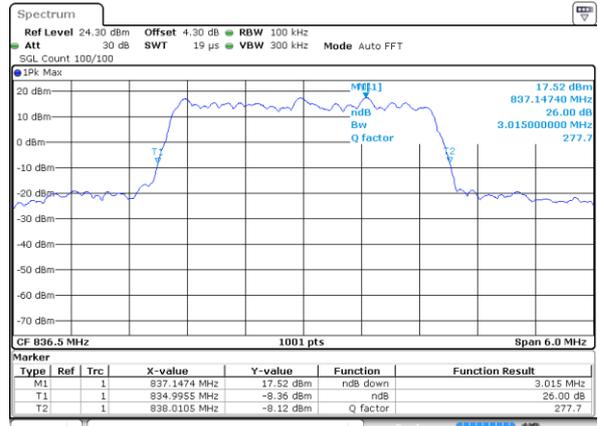
Date: 17 APR 2018 16:16:40

Middle Channel / 3MHz / QPSK



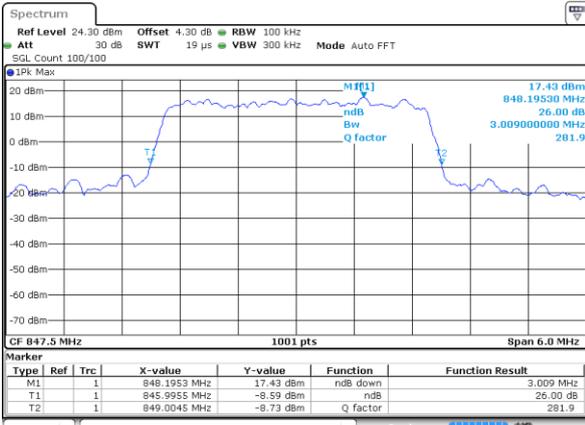
Date: 17 APR 2018 16:25:28

Middle Channel / 3MHz / 16QAM



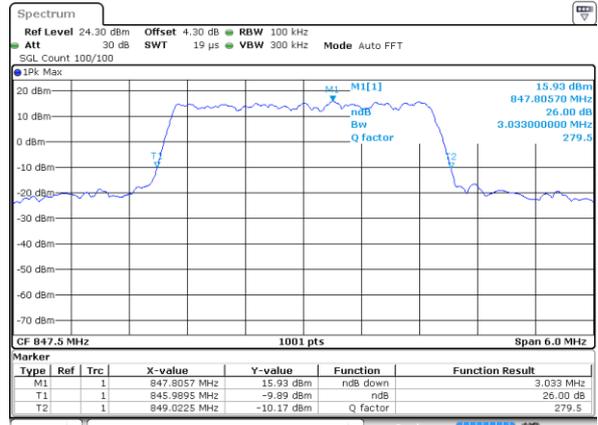
Date: 17 APR 2018 16:25:38

Highest Channel / 3MHz / QPSK



Date: 17 APR 2018 16:27:56

Highest Channel / 3MHz / 16QAM

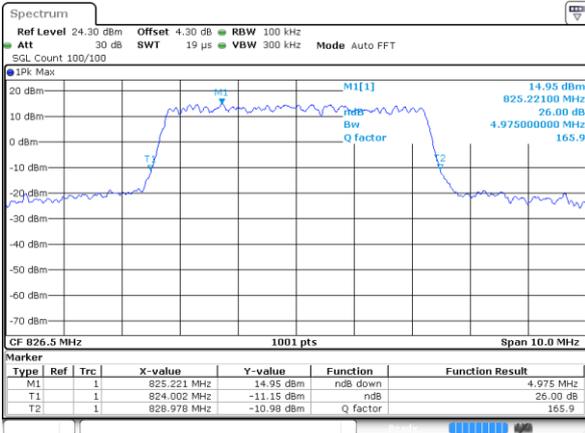


Date: 17 APR 2018 16:28:06



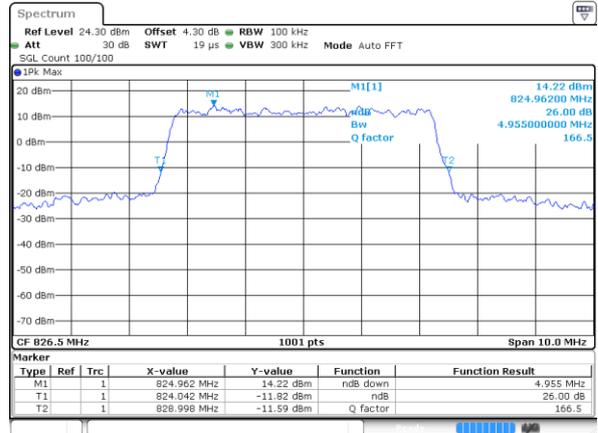
LTE Band 5

Lowest Channel / 5MHz / QPSK



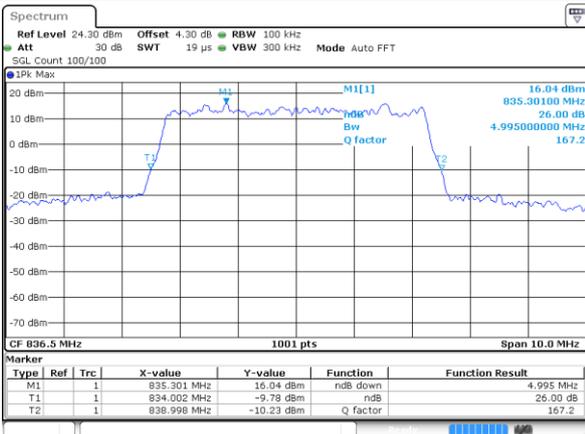
Date: 17 APR 2018 16:36:53

Lowest Channel / 5MHz / 16QAM



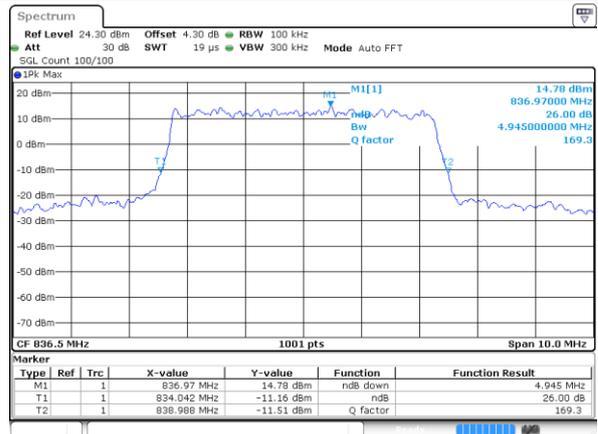
Date: 17 APR 2018 16:37:03

Middle Channel / 5MHz / QPSK



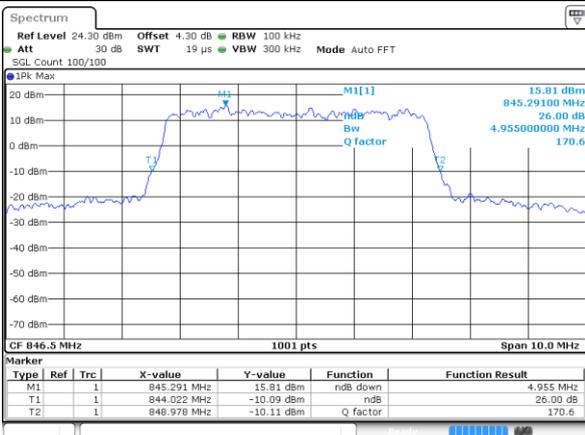
Date: 17 APR 2018 16:45:50

Middle Channel / 5MHz / 16QAM



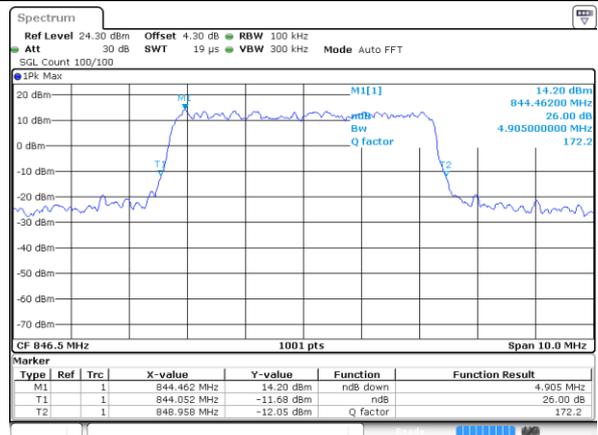
Date: 17 APR 2018 16:46:00

Highest Channel / 5MHz / QPSK



Date: 17 APR 2018 16:48:19

Highest Channel / 5MHz / 16QAM

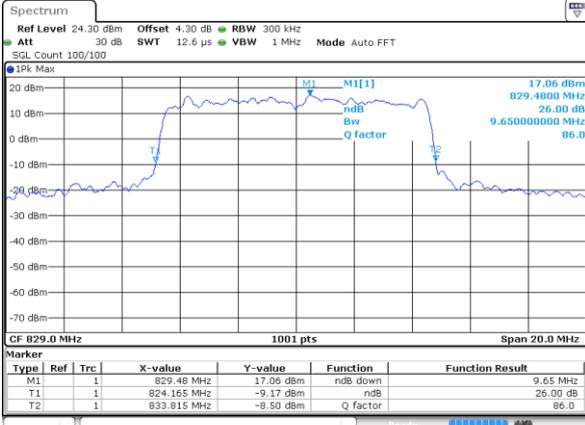


Date: 17 APR 2018 16:48:28



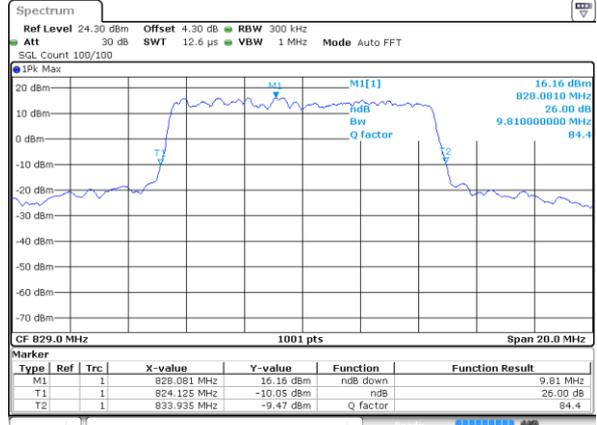
LTE Band 5

Lowest Channel / 10MHz / QPSK



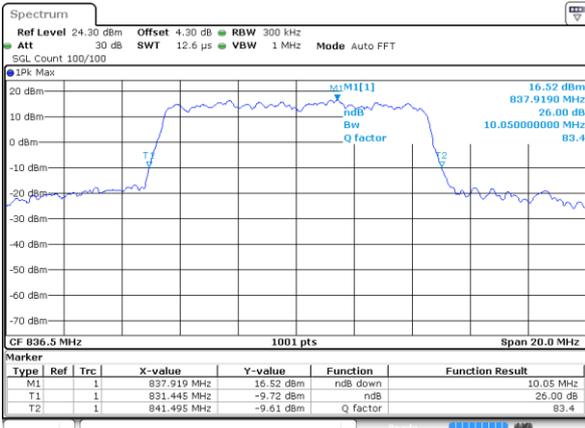
Date: 17 APR 2018 16:57:16

Lowest Channel / 10MHz / 16QAM



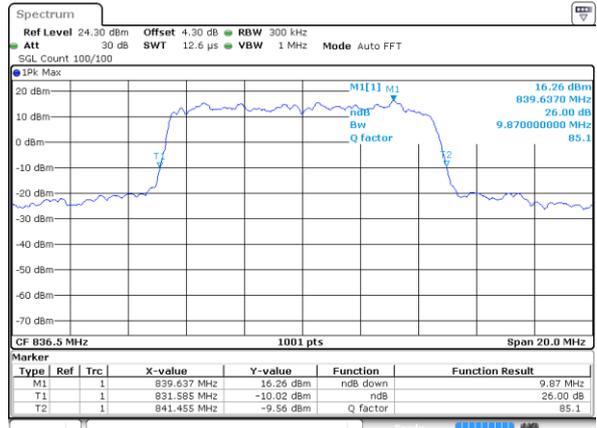
Date: 17 APR 2018 16:57:26

Middle Channel / 10MHz / QPSK



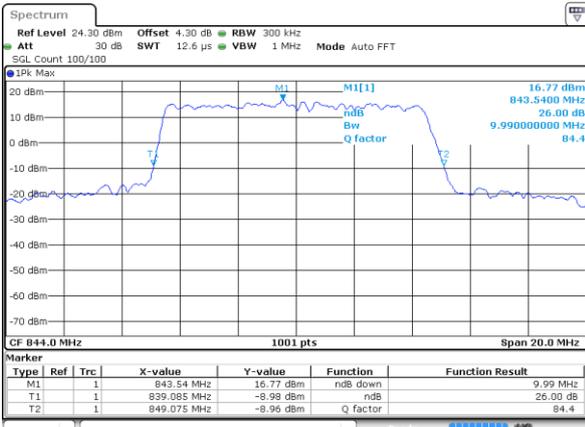
Date: 17 APR 2018 17:06:13

Middle Channel / 10MHz / 16QAM



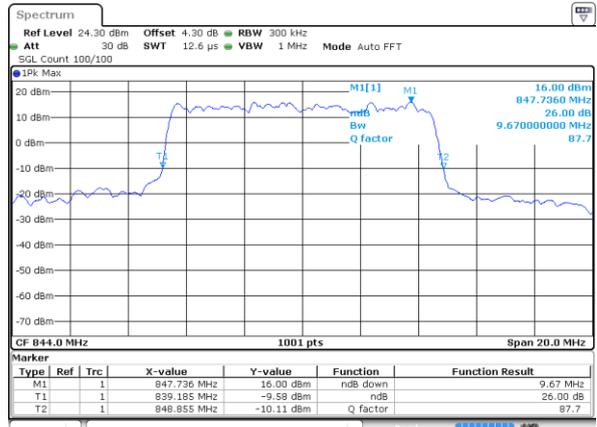
Date: 17 APR 2018 17:06:23

Highest Channel / 10MHz / QPSK



Date: 17 APR 2018 17:08:42

Highest Channel / 10MHz / 16QAM

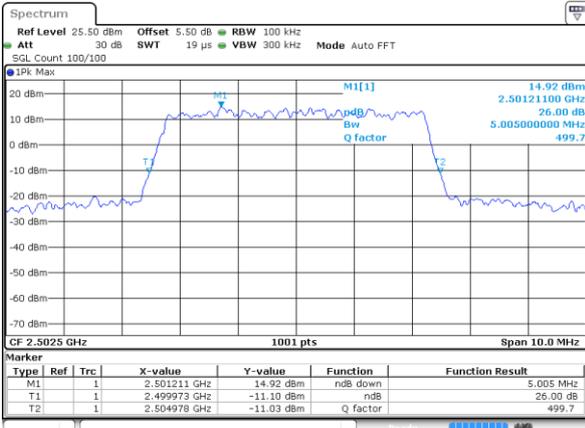


Date: 17 APR 2018 17:08:52



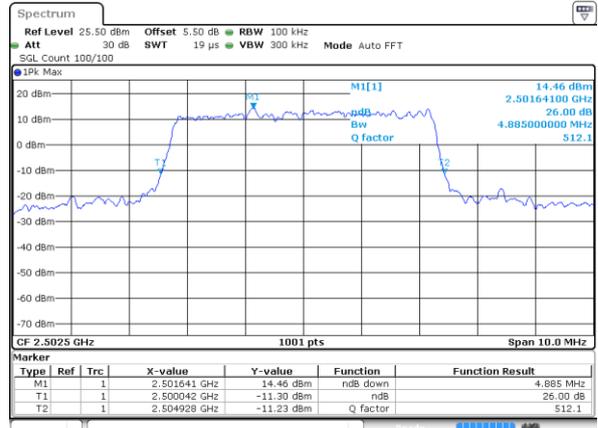
LTE Band 7

Lowest Channel / 5MHz / QPSK



Date: 20 APR 2018 10:37:39

Lowest Channel / 5MHz / 16QAM



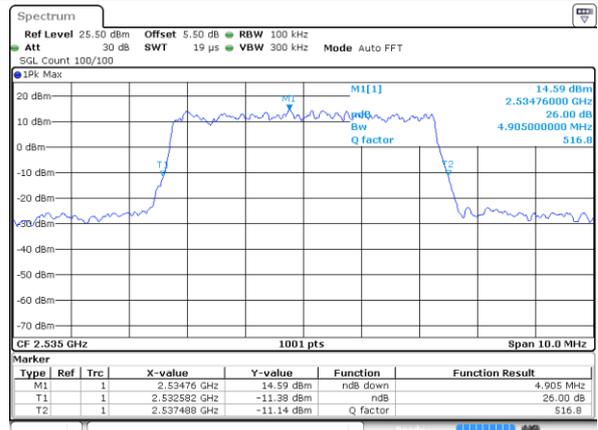
Date: 20 APR 2018 10:38:00

Middle Channel / 5MHz / QPSK



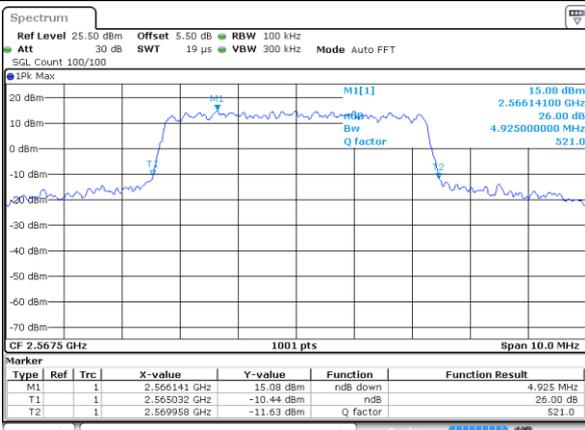
Date: 20 APR 2018 10:42:21

Middle Channel / 5MHz / 16QAM



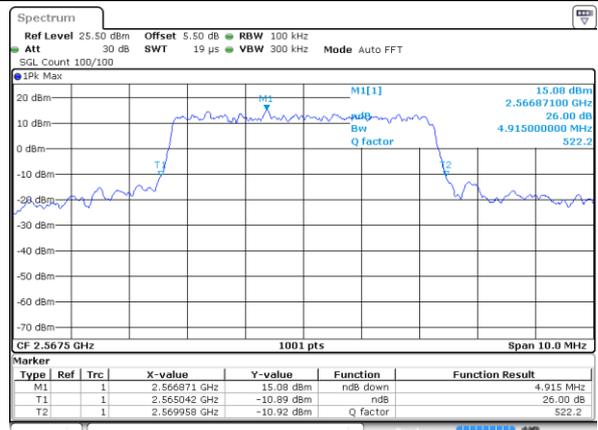
Date: 20 APR 2018 10:42:00

Highest Channel / 5MHz / QPSK



Date: 20 APR 2018 10:42:43

Highest Channel / 5MHz / 16QAM

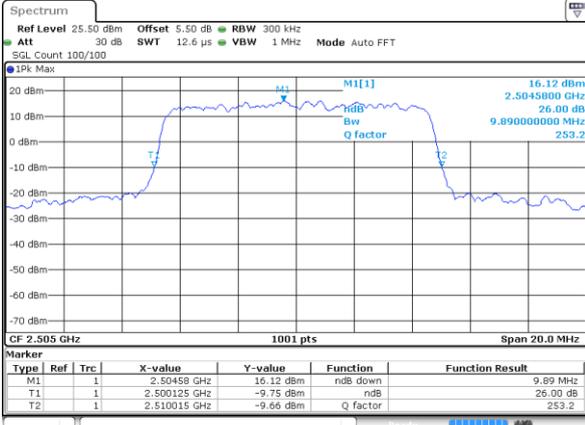


Date: 20 APR 2018 10:43:04



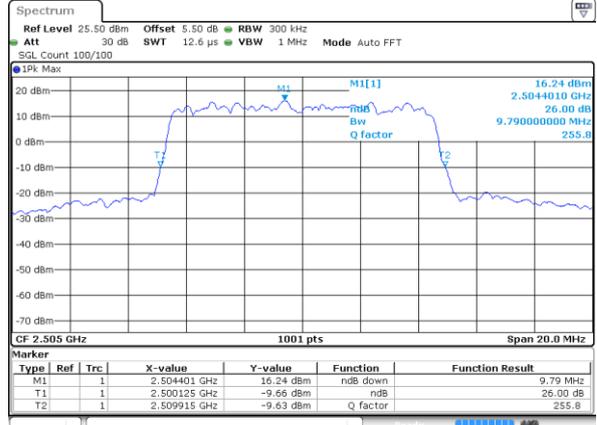
LTE Band 7

Lowest Channel / 10MHz / QPSK



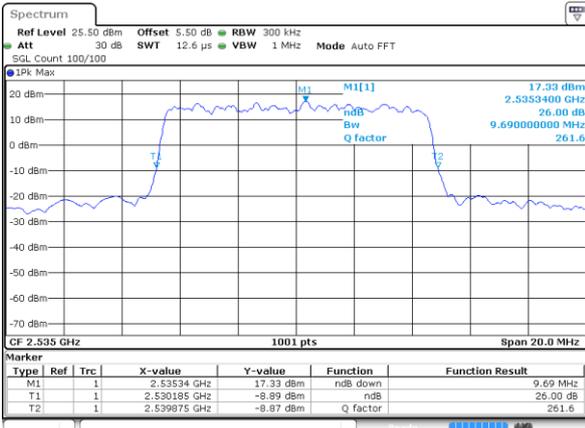
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Lowest Channel / 10MHz / 16QAM



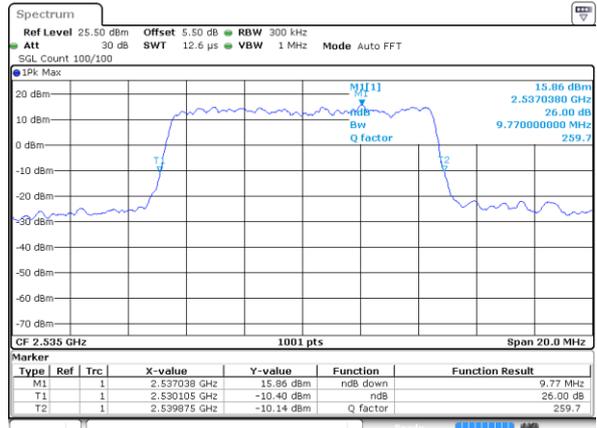
Date: 20 APR 2018 14:08:21

Middle Channel / 10MHz / QPSK



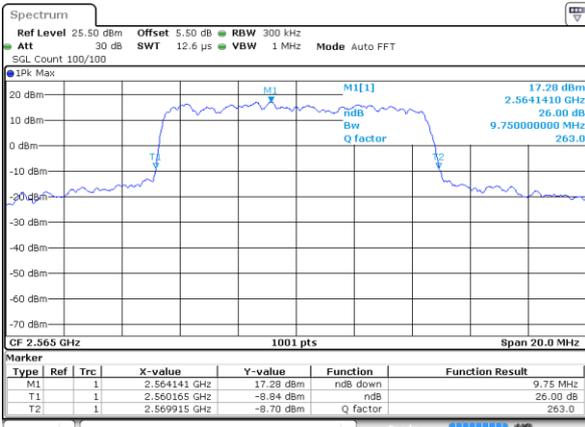
Date: 20 APR 2018 10:54:34

Middle Channel / 10MHz / 16QAM



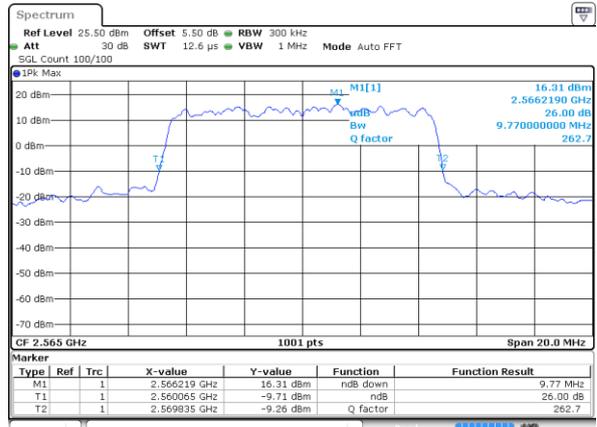
Date: 20 APR 2018 10:54:13

Highest Channel / 10MHz / QPSK



Date: 20 APR 2018 10:54:56

Highest Channel / 10MHz / 16QAM

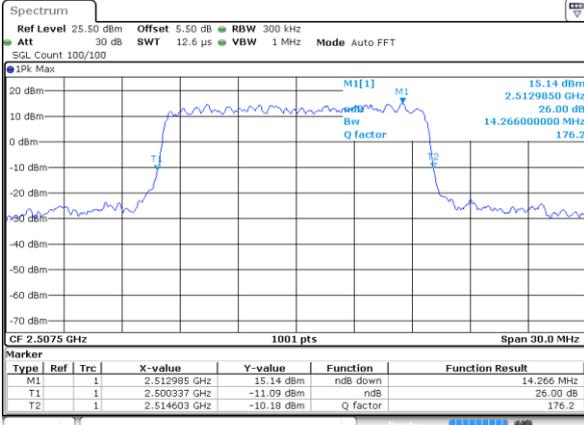


Date: 20 APR 2018 10:55:17



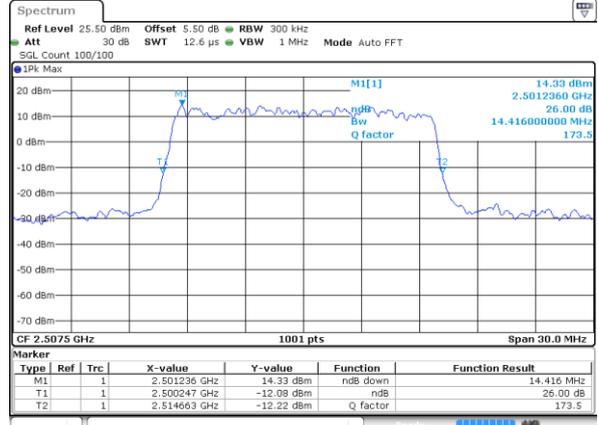
LTE Band 7

Lowest Channel / 15MHz / QPSK



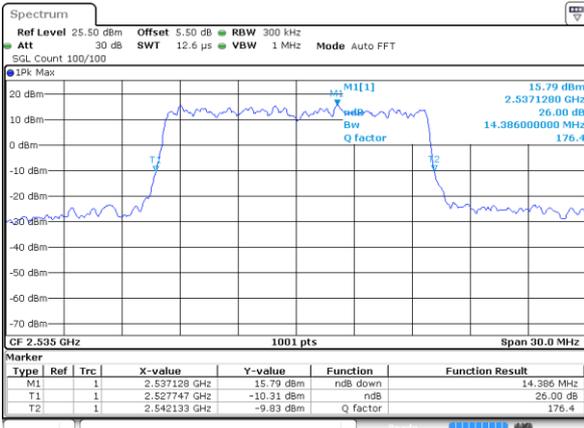
Date: 20 APR 2018 11:02:03

Lowest Channel / 15MHz / 16QAM



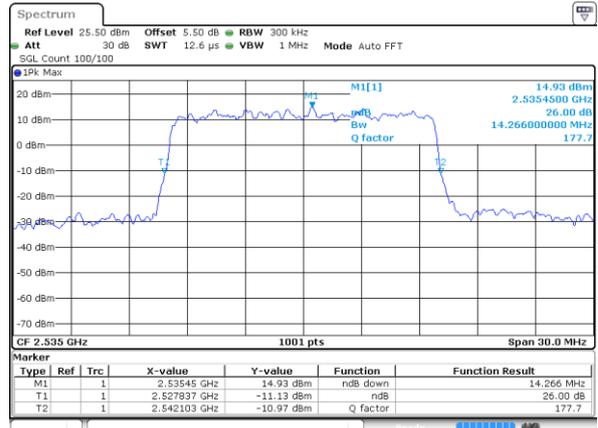
Date: 20 APR 2018 11:02:25

Middle Channel / 15MHz / QPSK



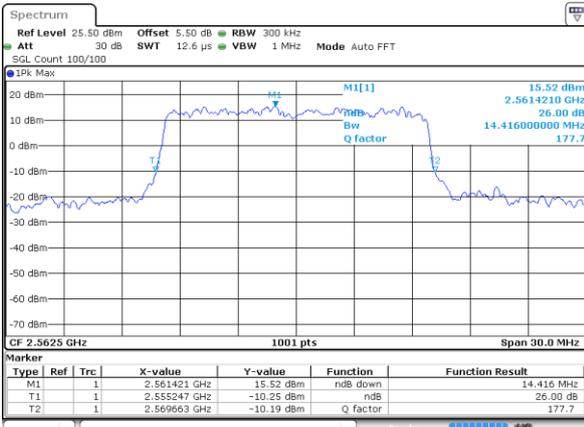
Date: 20 APR 2018 11:06:46

Middle Channel / 15MHz / 16QAM



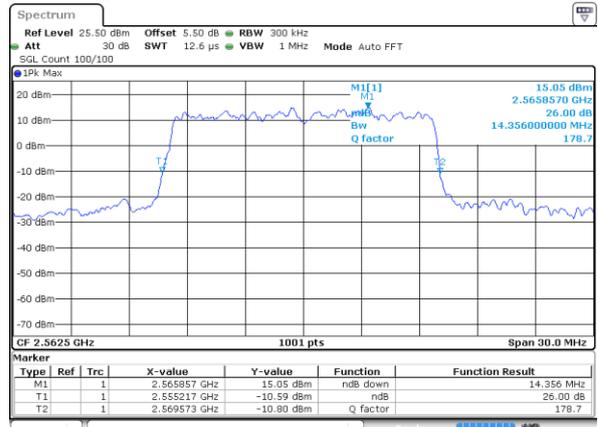
Date: 20 APR 2018 11:06:25

Highest Channel / 15MHz / QPSK



Date: 20 APR 2018 11:07:07

Highest Channel / 15MHz / 16QAM

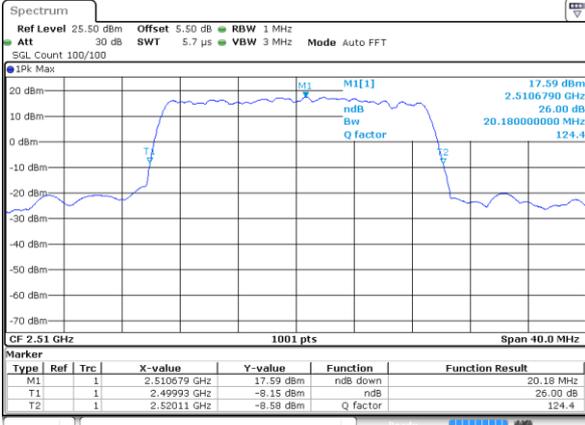


Date: 20 APR 2018 11:07:29



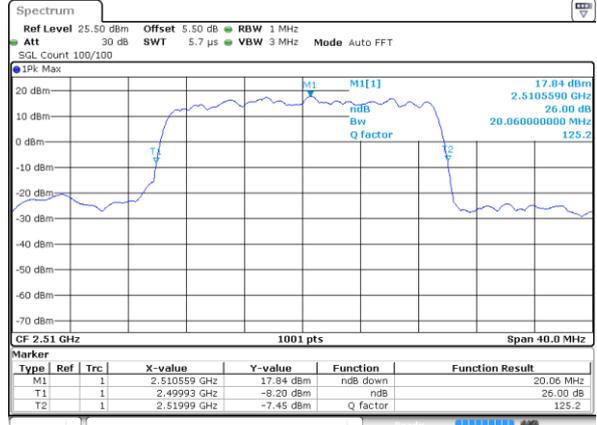
LTE Band 7

Lowest Channel / 20MHz / QPSK



Date: 20 APR 2018 11:14:15

Lowest Channel / 20MHz / 16QAM



Date: 20 APR 2018 11:14:36

Middle Channel / 20MHz / QPSK



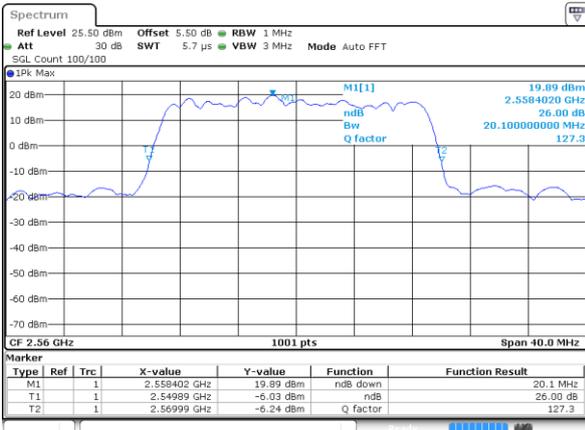
Date: 20 APR 2018 11:18:57

Middle Channel / 20MHz / 16QAM



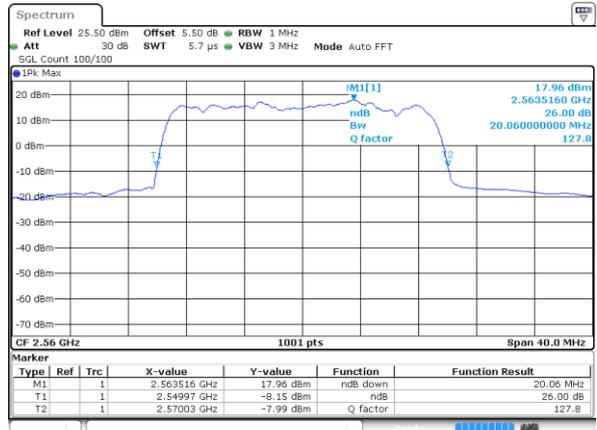
Date: 20 APR 2018 11:18:36

Highest Channel / 20MHz / QPSK



Date: 20 APR 2018 11:19:19

Highest Channel / 20MHz / 16QAM

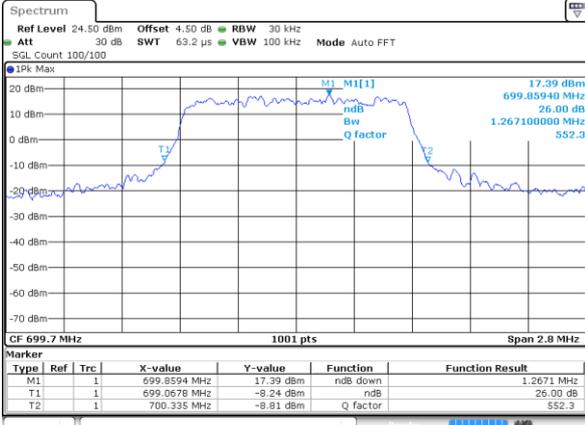


Date: 20 APR 2018 11:19:41



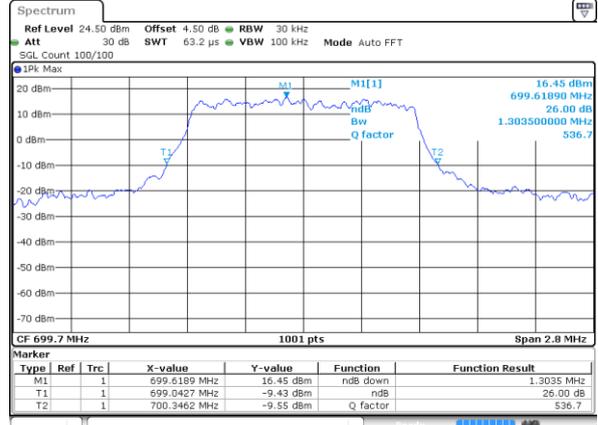
LTE Band 12

Lowest Channel / 1.4MHz / QPSK



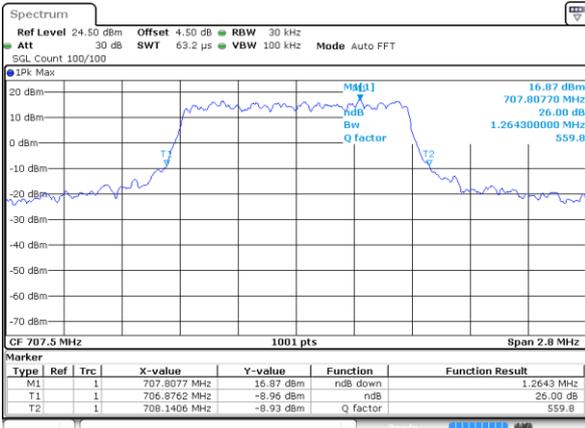
Date: 19 APR 2018 09:37:09

Lowest Channel / 1.4MHz / 16QAM



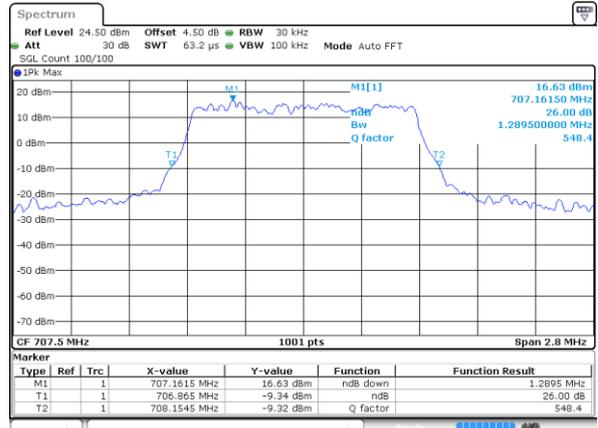
Date: 19 APR 2018 09:36:59

Middle Channel / 1.4MHz / QPSK



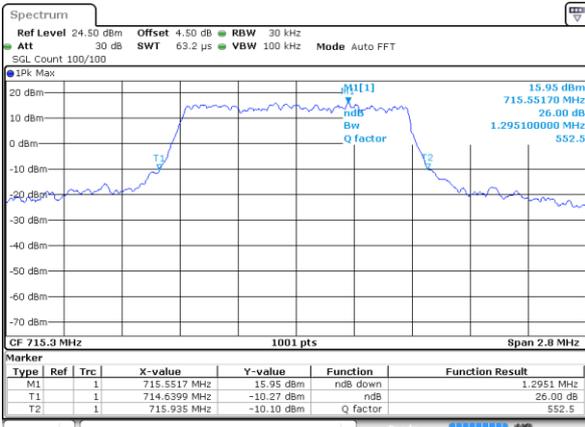
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Middle Channel / 1.4MHz / 16QAM



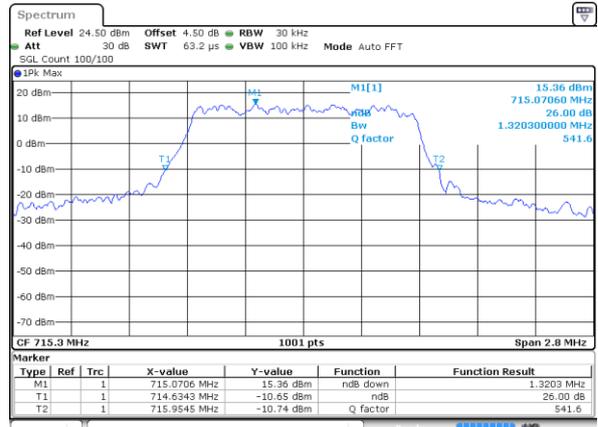
Date: 19 APR 2018 09:36:48

Highest Channel / 1.4MHz / QPSK



Date: 19 APR 2018 09:36:27

Highest Channel / 1.4MHz / 16QAM

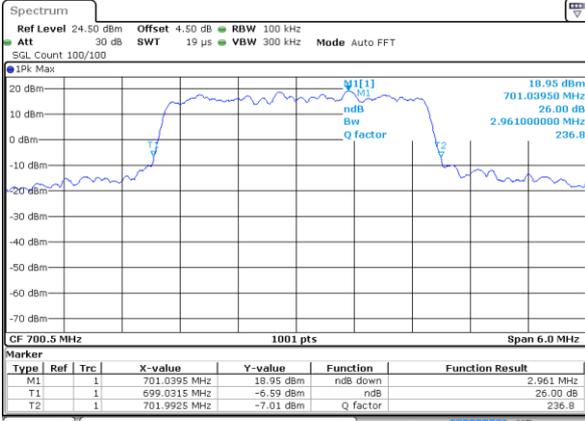


Date: 19 APR 2018 09:36:16



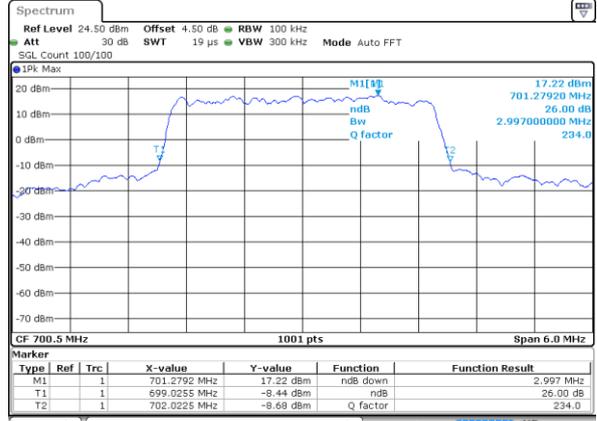
LTE Band 12

Lowest Channel / 3MHz / QPSK



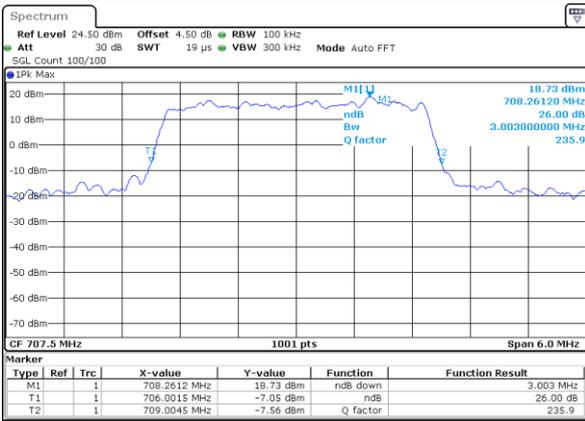
Date: 19 APR 2018 09:53:54

Lowest Channel / 3MHz / 16QAM



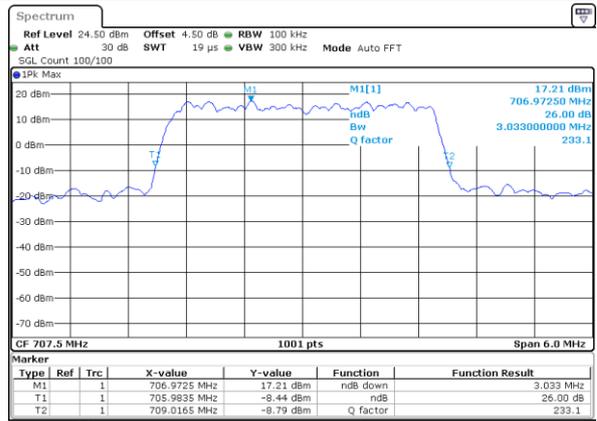
Date: 19 APR 2018 09:53:44

Middle Channel / 3MHz / QPSK



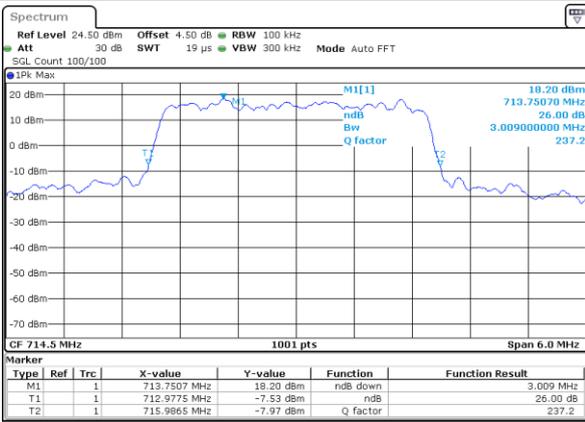
Date: 19 APR 2018 09:53:22

Middle Channel / 3MHz / 16QAM



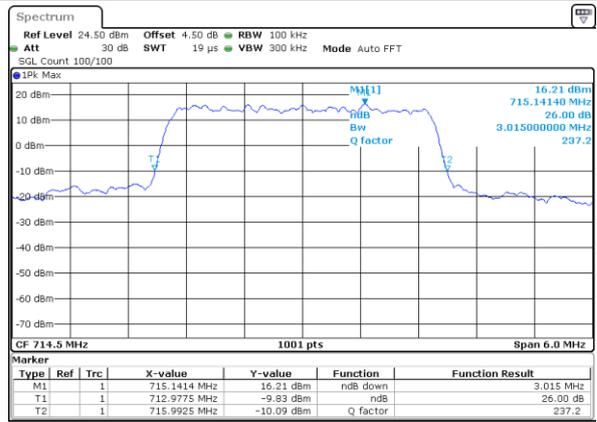
Date: 19 APR 2018 09:53:33

Highest Channel / 3MHz / QPSK



Date: 19 APR 2018 09:53:12

Highest Channel / 3MHz / 16QAM

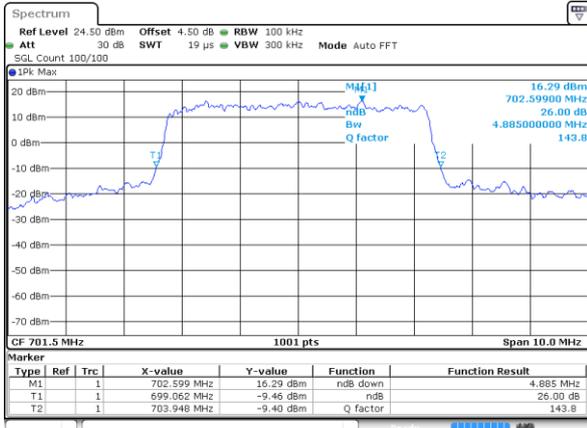


Date: 19 APR 2018 09:53:01



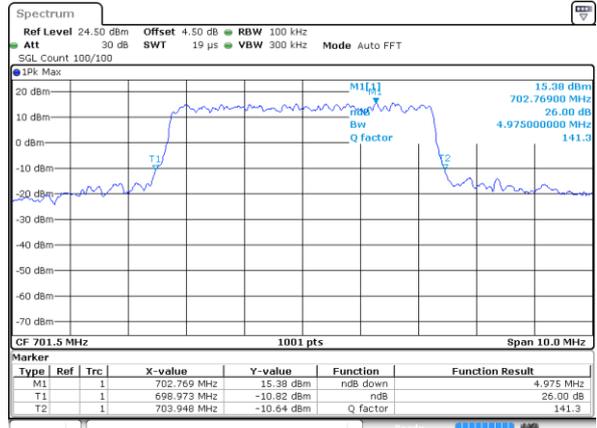
LTE Band 12

Lowest Channel / 5MHz / QPSK



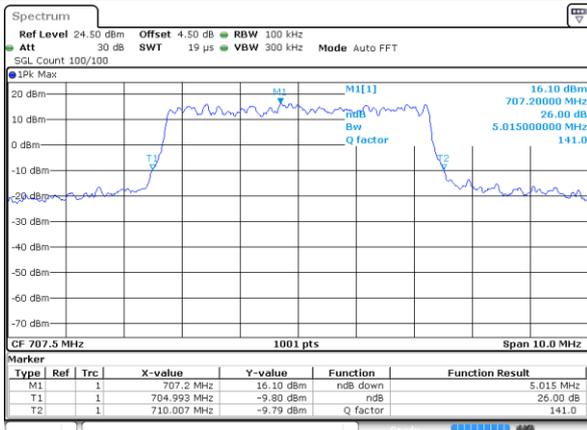
Date: 19 APR 2018 10:10:39

Lowest Channel / 5MHz / 16QAM



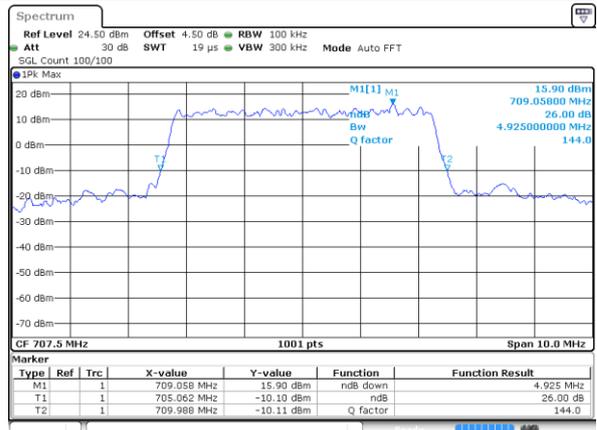
Date: 19 APR 2018 10:10:29

Middle Channel / 5MHz / QPSK



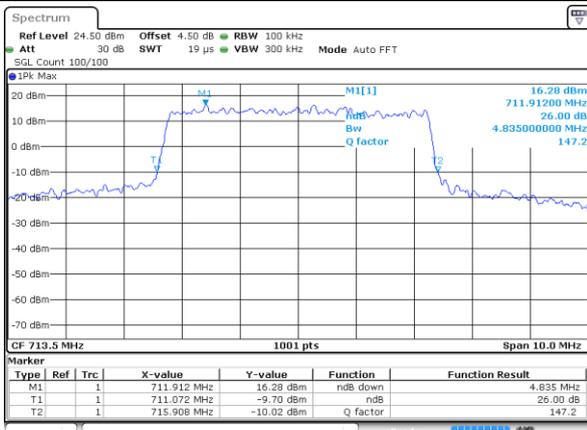
Date: 19 APR 2018 10:10:08

Middle Channel / 5MHz / 16QAM



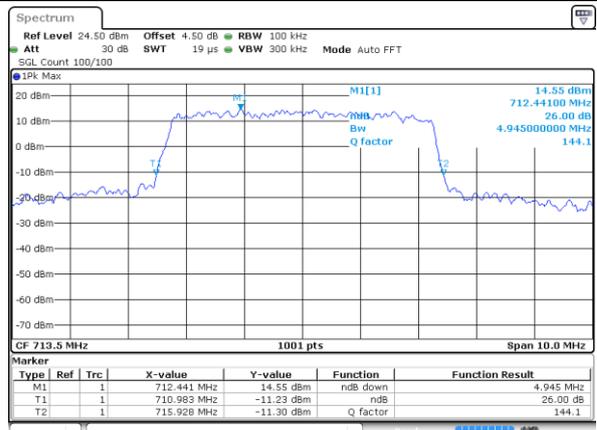
Date: 19 APR 2018 10:10:18

Highest Channel / 5MHz / QPSK



Date: 19 APR 2018 10:09:57

Highest Channel / 5MHz / 16QAM

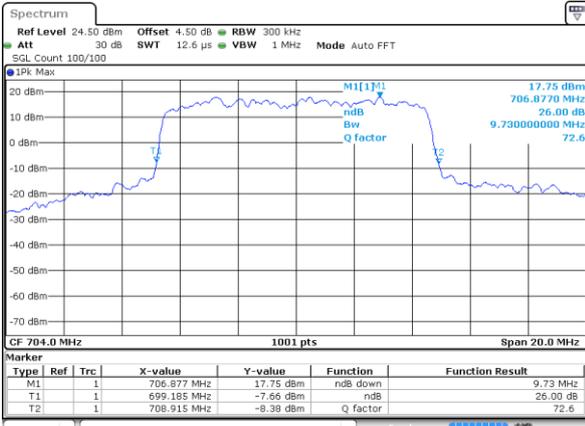


Date: 19 APR 2018 10:09:46



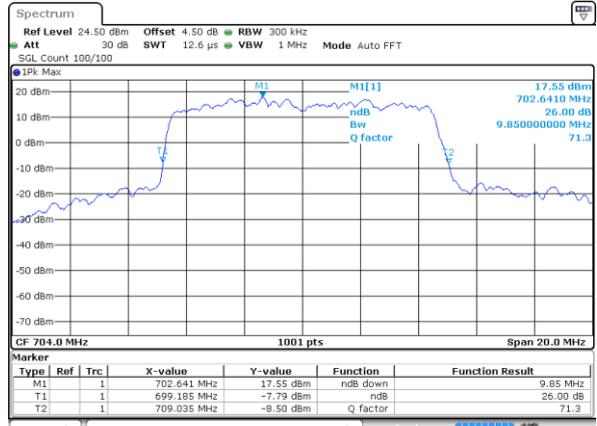
LTE Band 12

Lowest Channel / 10MHz / QPSK



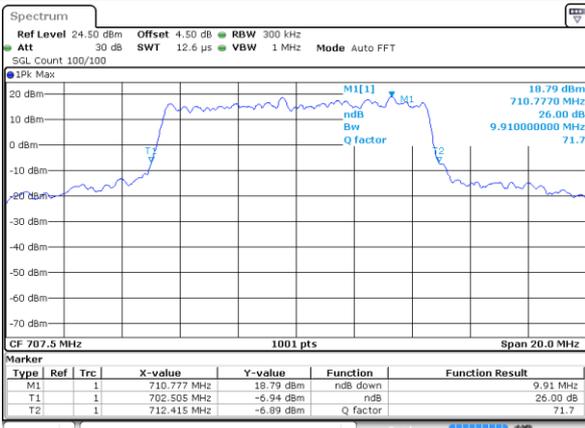
Date: 19 APR 2018 10:27:24

Lowest Channel / 10MHz / 16QAM



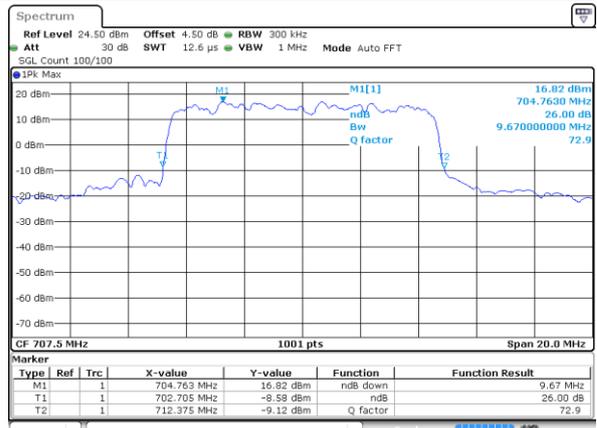
Date: 19 APR 2018 10:27:14

Middle Channel / 10MHz / QPSK



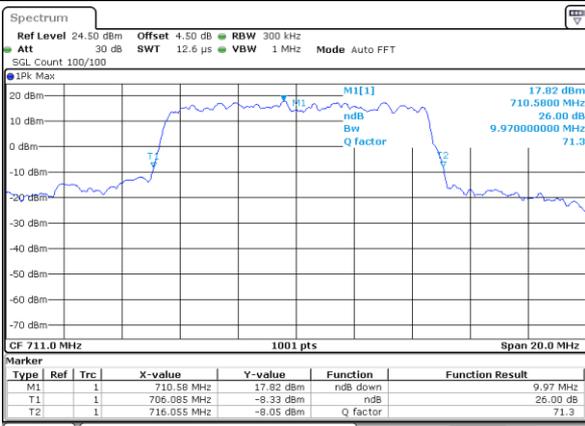
Date: 19 APR 2018 10:26:52

Middle Channel / 10MHz / 16QAM



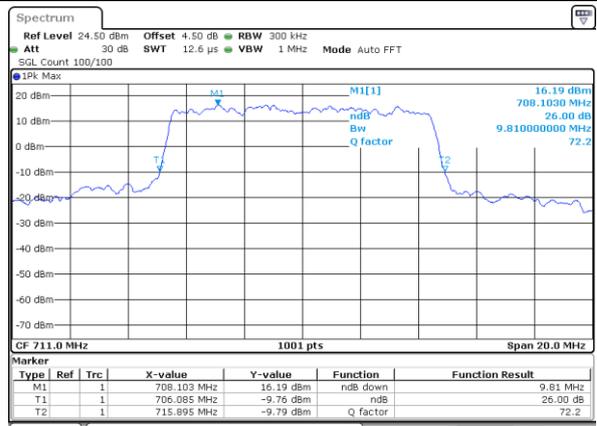
Date: 19 APR 2018 10:27:03

Highest Channel / 10MHz / QPSK



Date: 19 APR 2018 10:26:42

Highest Channel / 10MHz / 16QAM



Date: 19 APR 2018 10:26:31



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	1.08	1.09	2.72	2.7	4.49	4.49	9.05	8.99	13.37	13.46	18.18	18.18
Middle CH	1.09	1.09	2.7	2.72	4.53	4.52	9.01	8.97	13.49	13.4	18.3	18.3
Highest CH	1.11	1.09	2.72	2.7	4.49	4.51	8.97	9.01	13.46	13.43	18.18	18.5

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	4.5	9.01	9.01	13.4	13.37	18.3	18.18
Middle CH	1.09	1.09	2.71	2.73	4.49	4.52	9.07	8.99	13.37	13.46	18.3	18.38
Highest CH	1.1	1.1	2.72	2.72	4.51	4.49	9.01	9.01	13.46	13.49	18.22	18.3

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	1.09	2.72	2.72	4.48	4.49	9.05	9.05	-	-	-	-
Middle CH	1.09	1.09	2.72	2.69	4.48	4.48	9.03	9.03	-	-	-	-
Highest CH	1.1	1.1	2.73	2.73	4.49	4.46	9.09	8.99	-	-	-	-

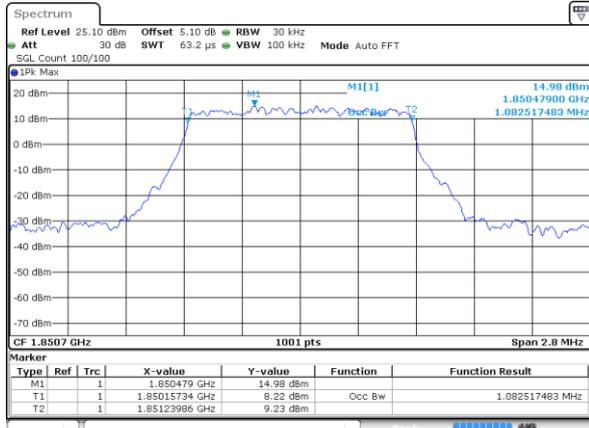
Mode	LTE Band 7 : 99%OBW(MHz)											
					5MHz		10MHz		15MHz		20MHz	
Mod.					QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH					4.49	4.49	8.99	8.97	13.37	13.43	18.26	18.26
Middle CH					4.49	4.49	8.99	9.01	13.43	13.43	18.22	18.22
Highest CH					4.5	4.51	9.11	8.99	13.43	13.49	18.34	18.42

Mode	LTE Band 12 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz					
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM				
Lowest CH	1.1	1.1	2.7	2.72	4.49	4.48	8.97	8.95				
Middle CH	1.09	1.1	2.71	2.71	4.5	4.52	9.01	9.05				
Highest CH	1.1	1.09	2.72	2.73	4.49	4.49	9.01	8.99				



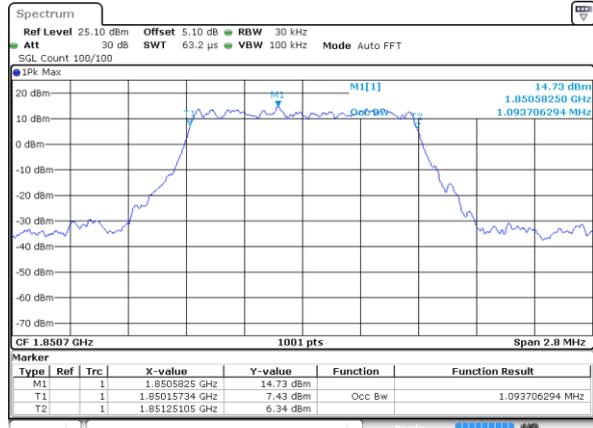
LTE Band 2

Lowest Channel / 1.4MHz / QPSK



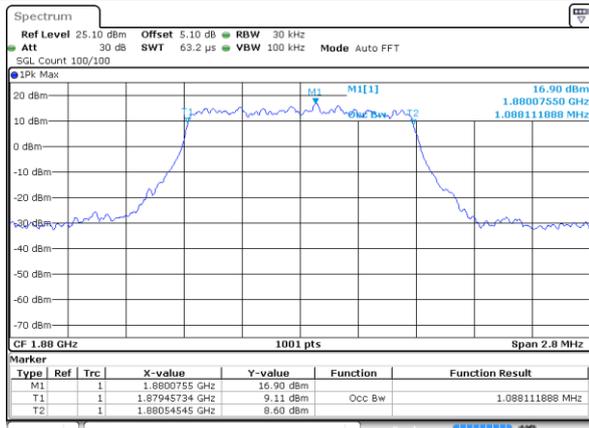
Date: 17 APR 2018 11:29:36

Lowest Channel / 1.4MHz / 16QAM



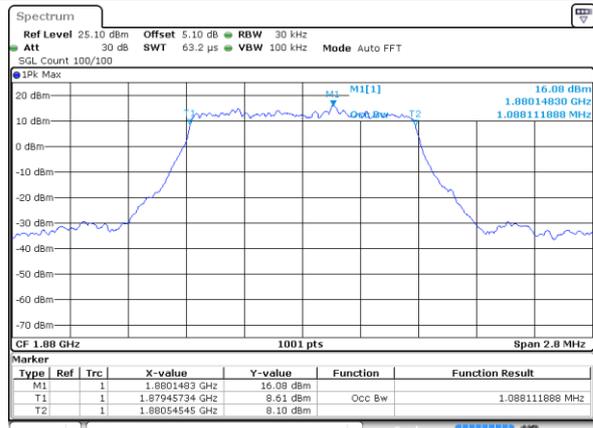
Date: 17 APR 2018 11:29:46

Middle Channel / 1.4MHz / QPSK



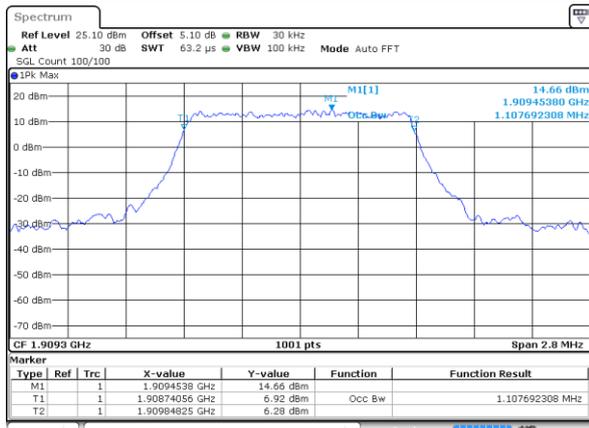
Date: 17 APR 2018 11:38:42

Middle Channel / 1.4MHz / 16QAM



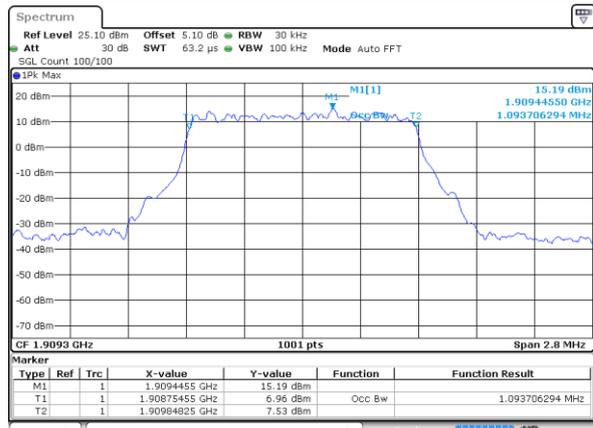
Date: 17 APR 2018 11:36:52

Highest Channel / 1.4MHz / QPSK



Date: 17 APR 2018 11:38:15

Highest Channel / 1.4MHz / 16QAM

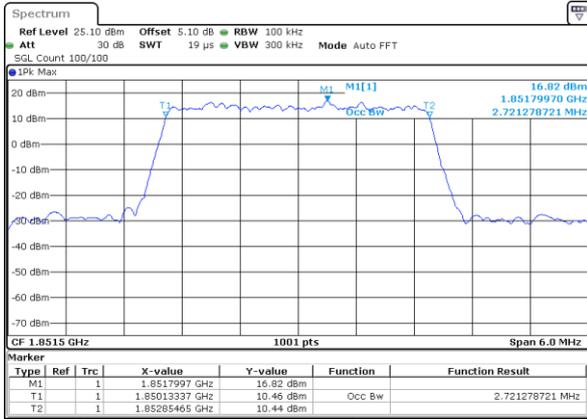


Date: 17 APR 2018 11:39:26



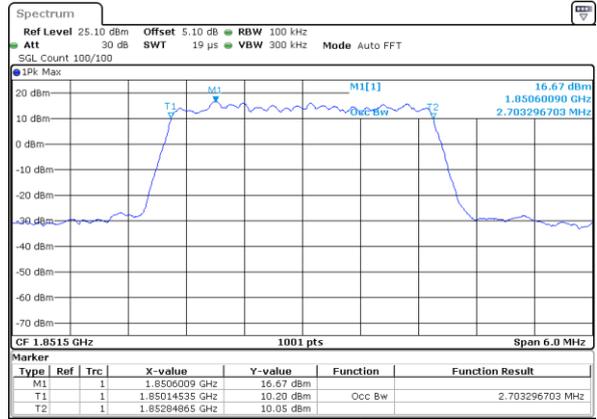
LTE Band 2

Lowest Channel / 3MHz / QPSK



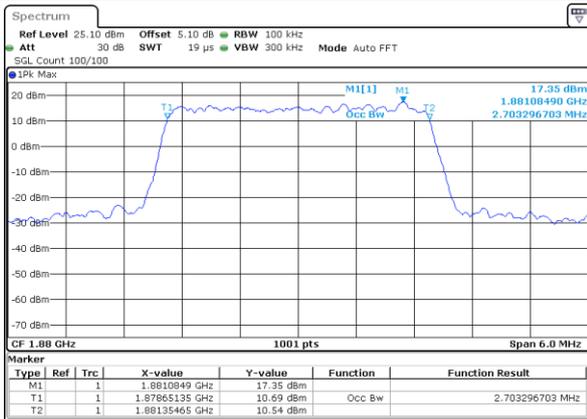
Date: 17 APR 2018 11:46:21

Lowest Channel / 3MHz / 16QAM



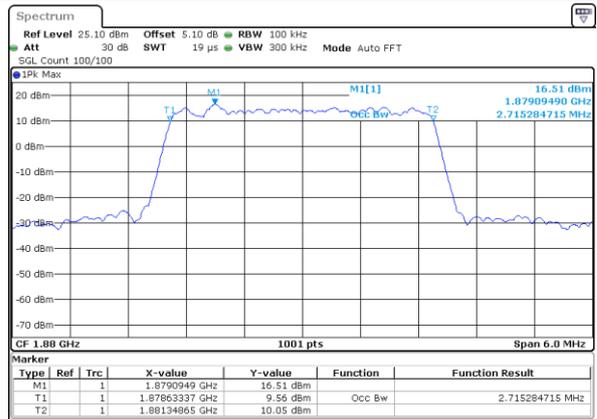
Date: 17 APR 2018 11:46:32

Middle Channel / 3MHz / QPSK



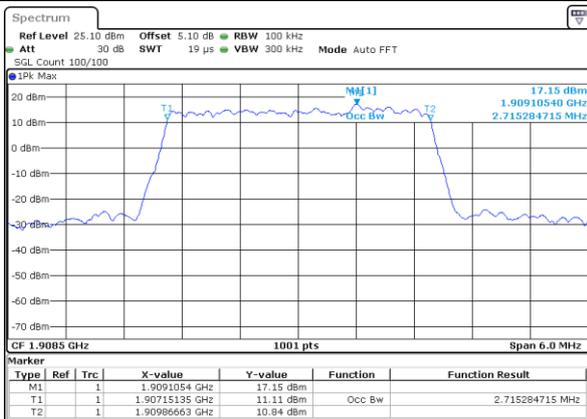
Date: 17 APR 2018 11:53:31

Middle Channel / 3MHz / 16QAM



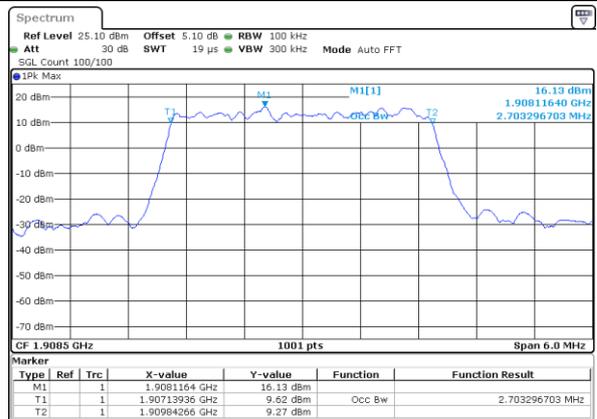
Date: 17 APR 2018 11:53:42

Highest Channel / 3MHz / QPSK



Date: 17 APR 2018 11:56:11

Highest Channel / 3MHz / 16QAM

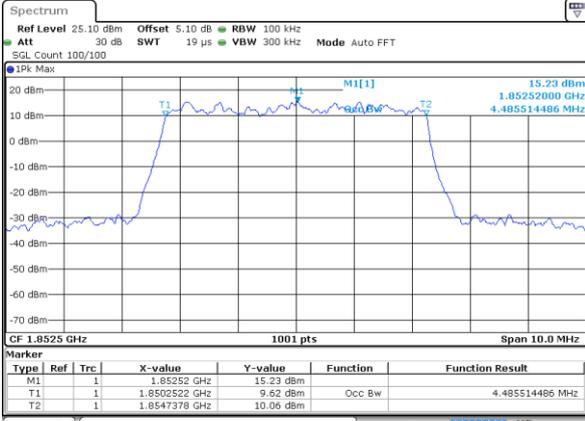


Date: 17 APR 2018 11:56:22



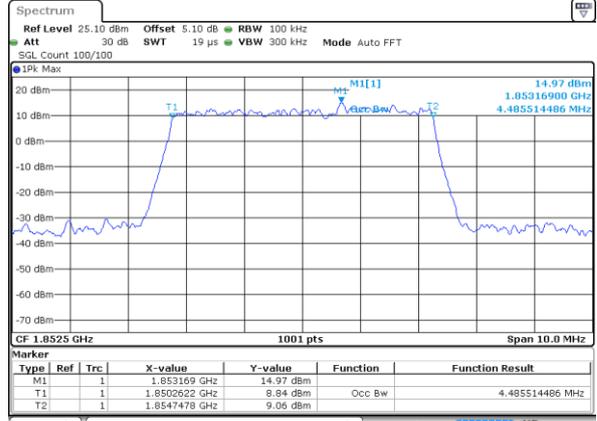
LTE Band 2

Lowest Channel / 5MHz / QPSK



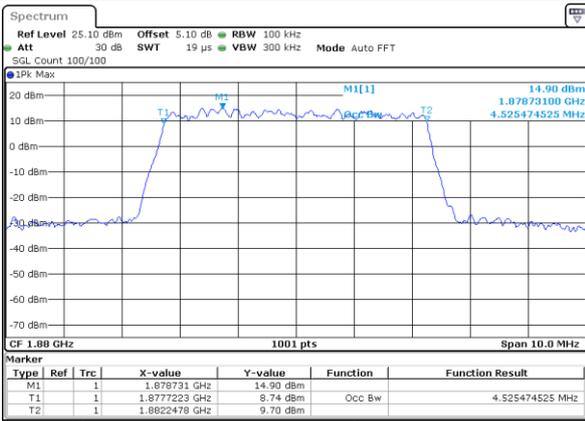
Date: 17 APR 2018 13:30:59

Lowest Channel / 5MHz / 16QAM



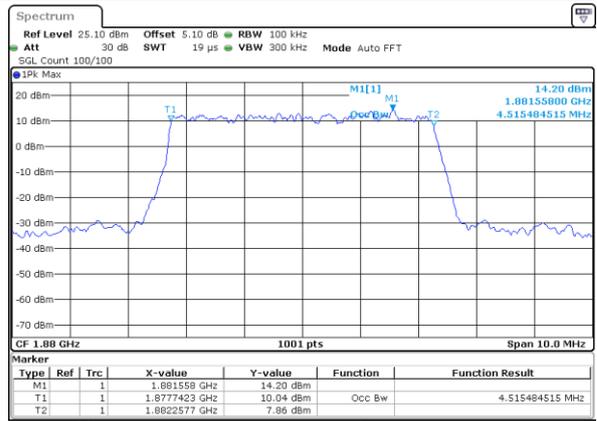
Date: 17 APR 2018 13:31:10

Middle Channel / 5MHz / QPSK



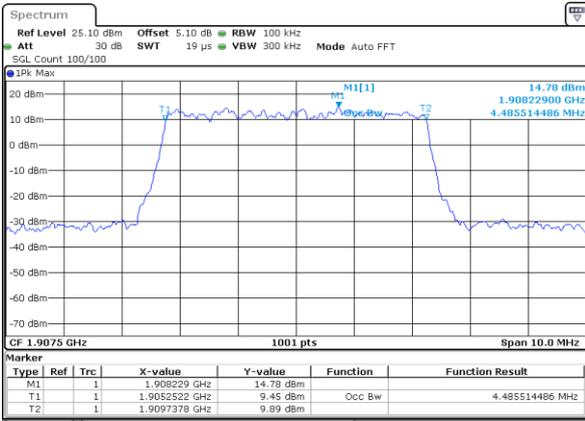
Date: 17 APR 2018 13:38:05

Middle Channel / 5MHz / 16QAM



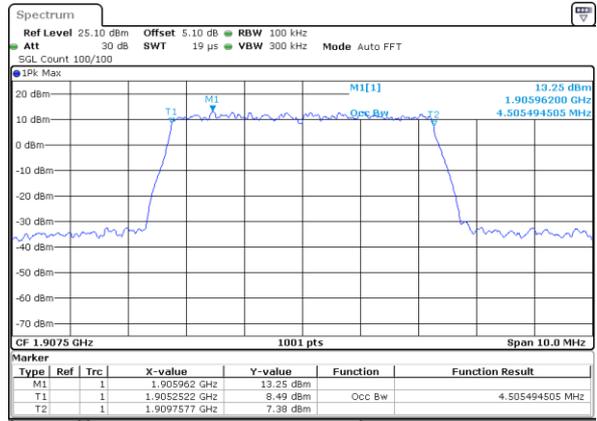
Date: 17 APR 2018 13:38:16

Highest Channel / 5MHz / QPSK



Date: 17 APR 2018 13:40:39

Highest Channel / 5MHz / 16QAM

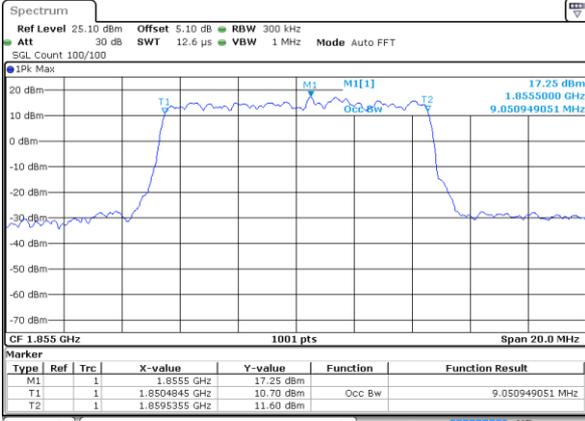


Date: 17 APR 2018 13:40:49



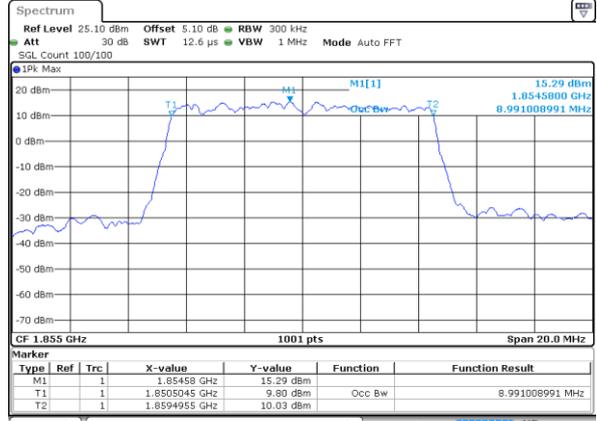
LTE Band 2

Lowest Channel / 10MHz / QPSK



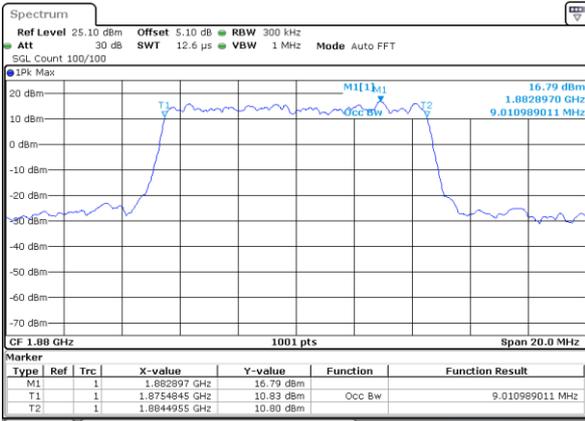
Date: 17 APR 2018 13:47:45

Lowest Channel / 10MHz / 16QAM



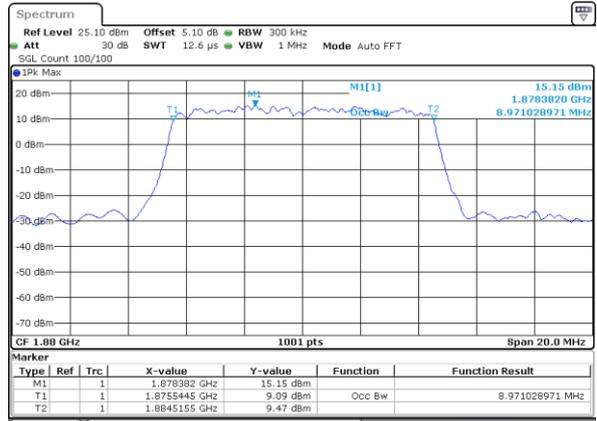
Date: 17 APR 2018 13:47:56

Middle Channel / 10MHz / QPSK



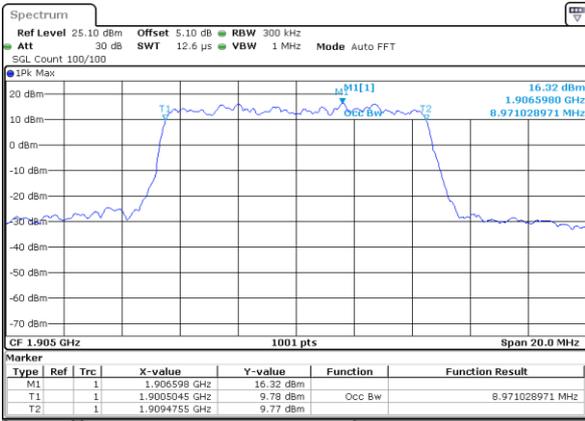
Date: 17 APR 2018 13:54:51

Middle Channel / 10MHz / 16QAM



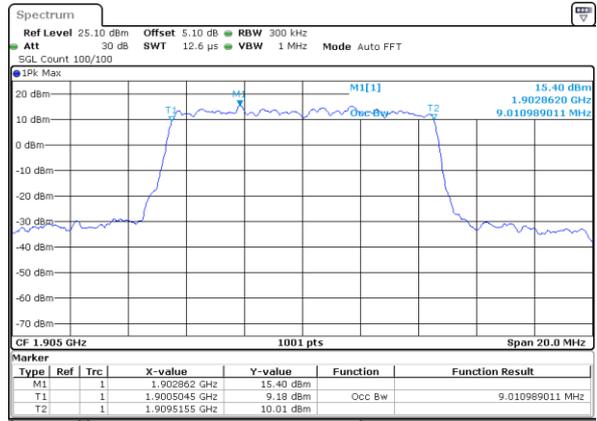
Date: 17 APR 2018 13:55:02

Highest Channel / 10MHz / QPSK



Date: 17 APR 2018 13:57:25

Highest Channel / 10MHz / 16QAM

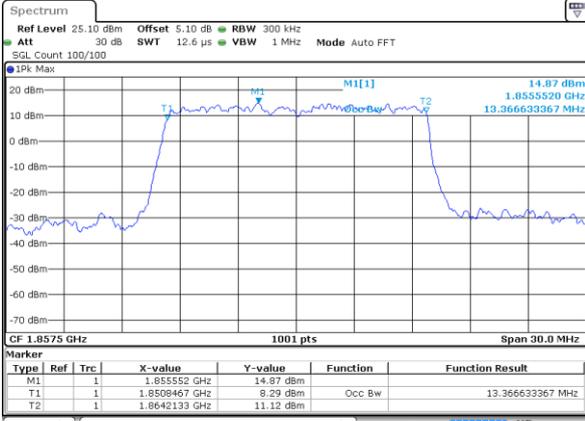


Date: 17 APR 2018 13:57:35



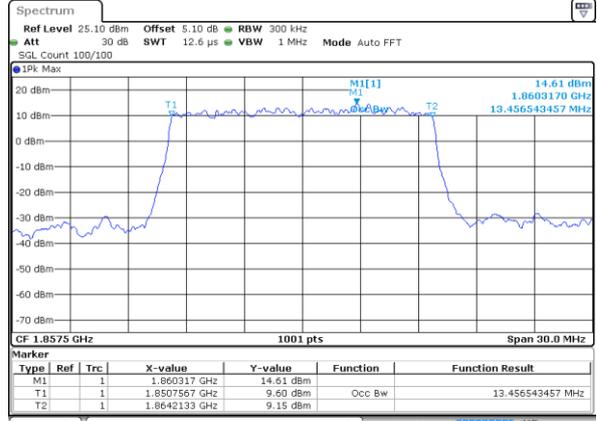
LTE Band 2

Lowest Channel / 15MHz / QPSK



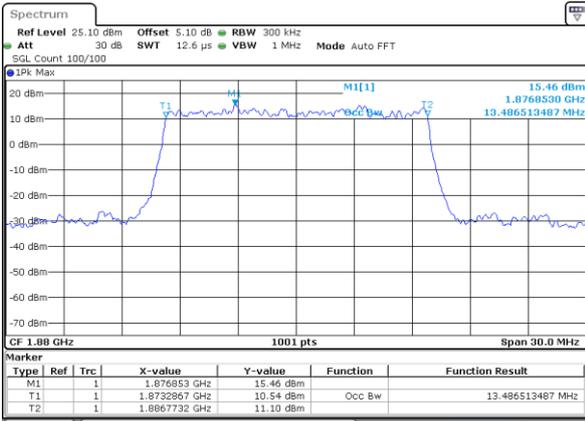
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Lowest Channel / 15MHz / 16QAM



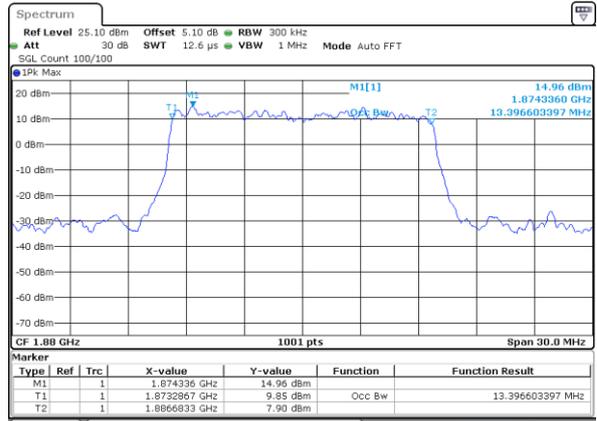
Date: 17 APR 2018 14:04:42

Middle Channel / 15MHz / QPSK



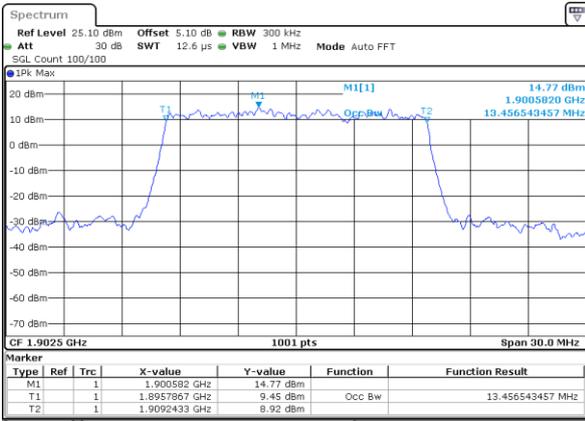
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Middle Channel / 15MHz / 16QAM



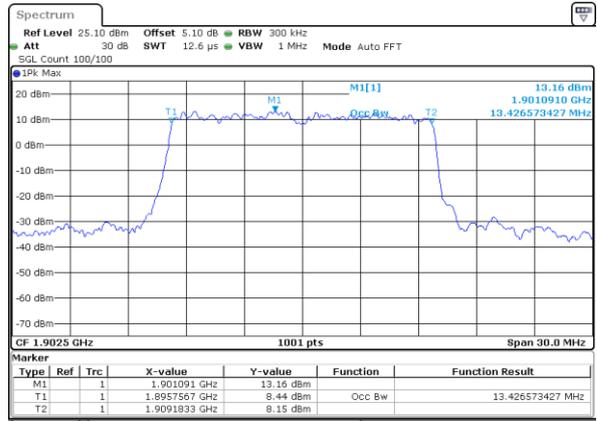
Date: 17 APR 2018 14:11:50

Highest Channel / 15MHz / QPSK



Date: 17 APR 2018 14:14:13

Highest Channel / 15MHz / 16QAM



Date: 17 APR 2018 14:14:24