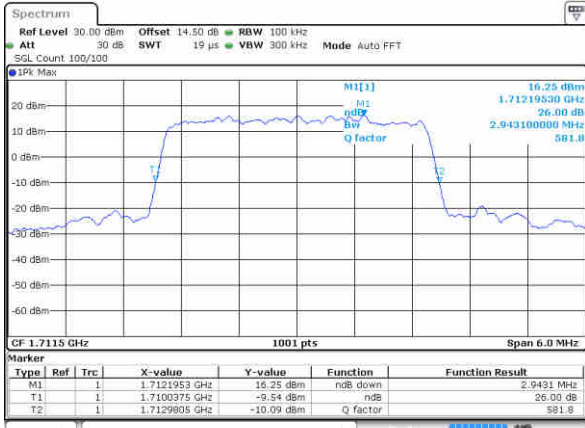




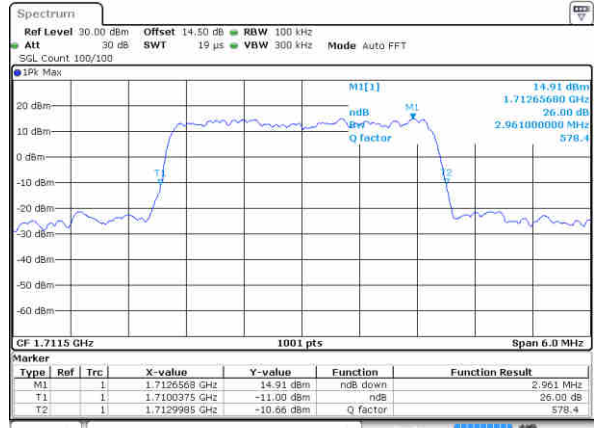
LTE Band 4

Lowest Channel / 3MHz / QPSK



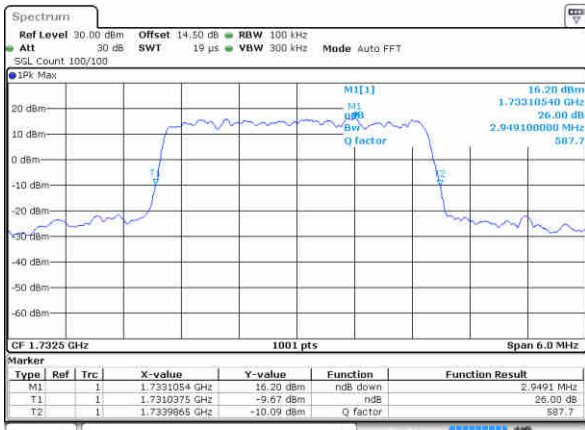
Date: 29 JUN 2016 20:54:10

Lowest Channel / 3MHz / 16QAM



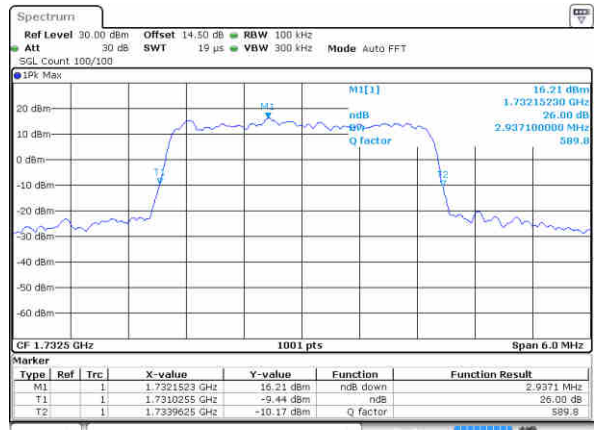
Date: 29 JUN 2016 20:54:20

Middle Channel / 3MHz / QPSK



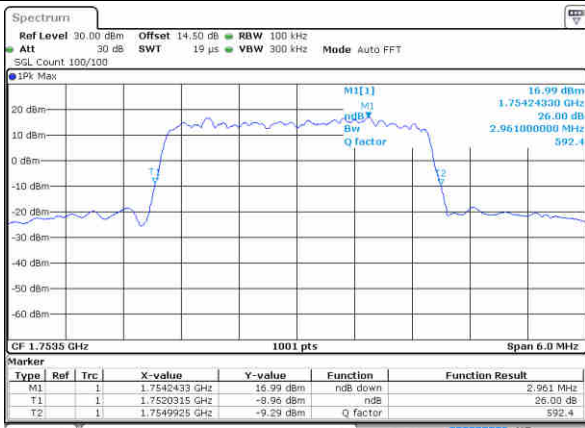
Date: 29 JUN 2016 21:01:08

Middle Channel / 3MHz / 16QAM



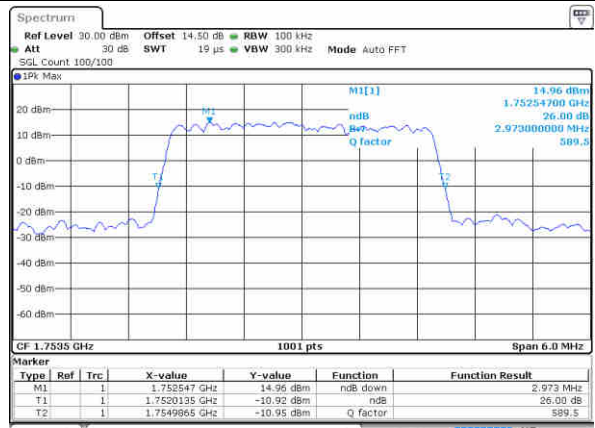
Date: 29 JUN 2016 21:01:18

Highest Channel / 3MHz / QPSK



Date: 29 JUN 2016 21:03:34

Highest Channel / 3MHz / 16QAM

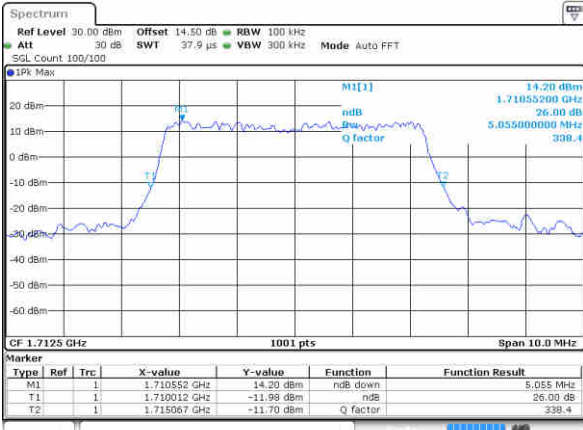


Date: 29 JUN 2016 21:03:43



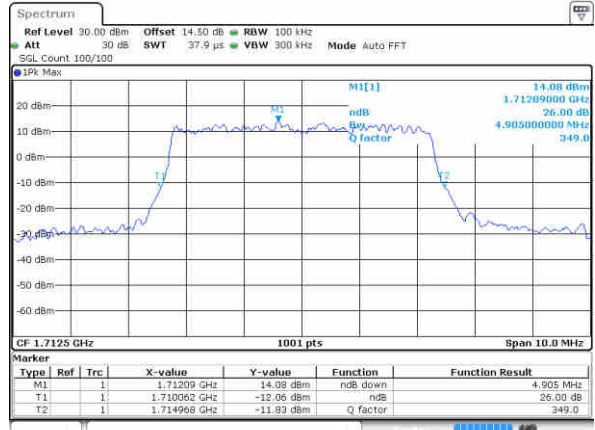
LTE Band 4

Lowest Channel / 5MHz / QPSK



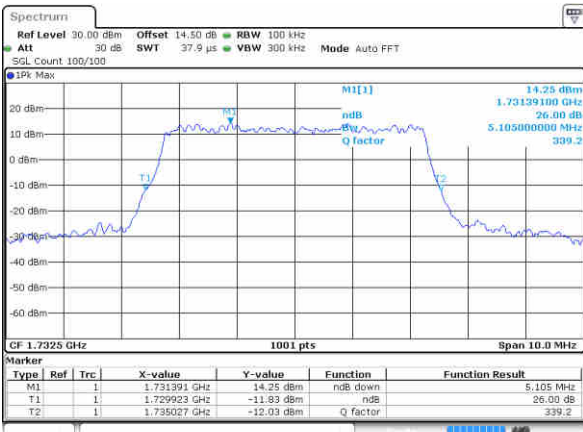
Date: 29 JUN 2016 21:10:31

Lowest Channel / 5MHz / 16QAM



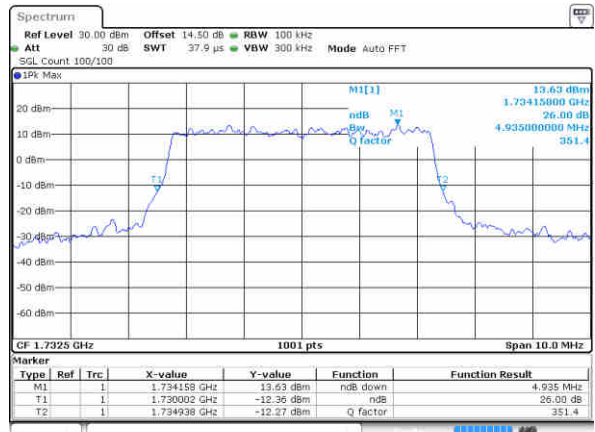
Date: 29 JUN 2016 21:10:41

Middle Channel / 5MHz / QPSK



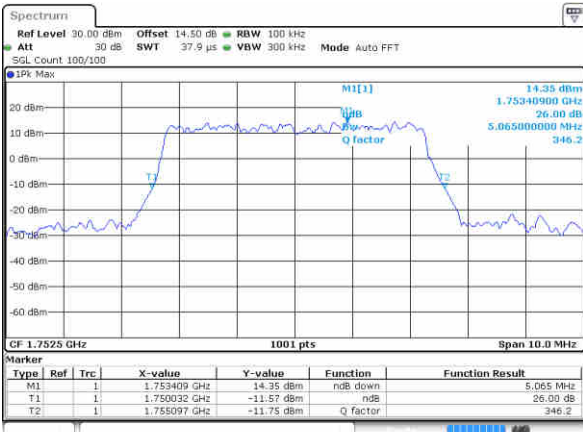
Date: 29 JUN 2016 21:17:28

Middle Channel / 5MHz / 16QAM



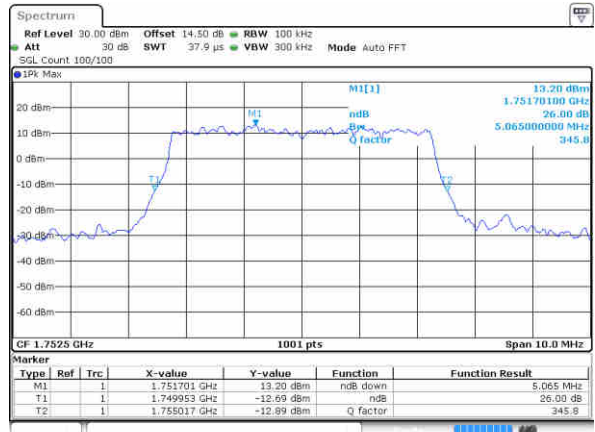
Date: 29 JUN 2016 21:17:38

Highest Channel / 5MHz / QPSK



Date: 29 JUN 2016 21:19:54

Highest Channel / 5MHz / 16QAM

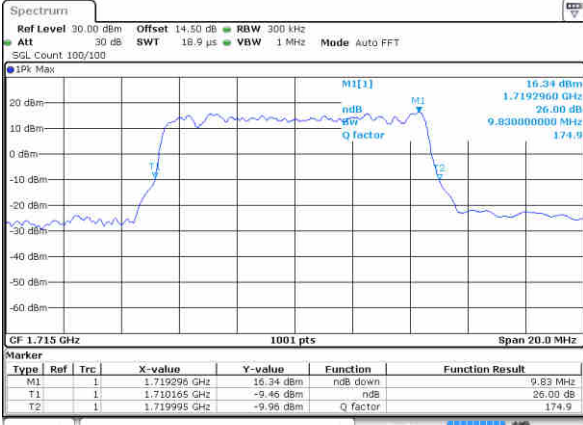


Date: 29 JUN 2016 21:20:04



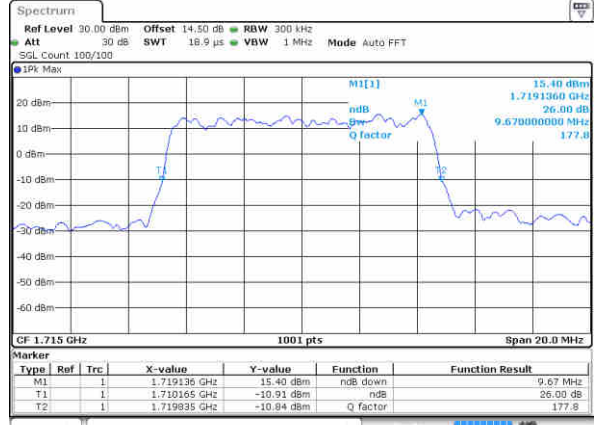
LTE Band 4

Lowest Channel / 10MHz / QPSK



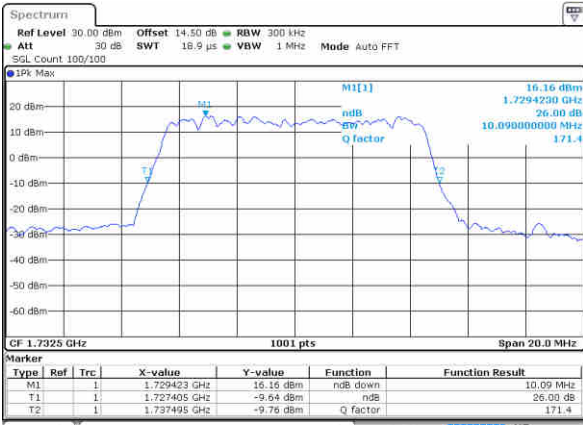
Date: 29 JUN 2016 21:26:52

Lowest Channel / 10MHz / 16QAM



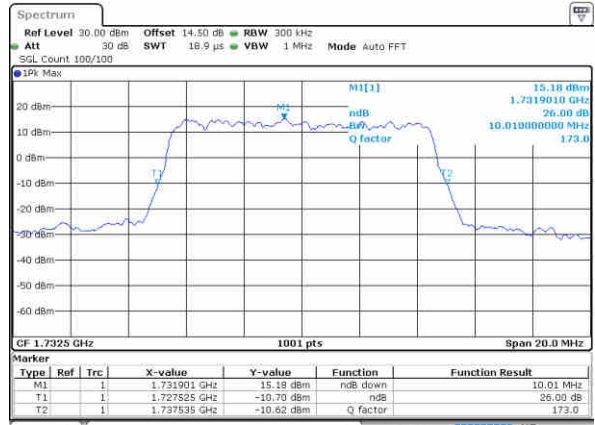
Date: 29 JUN 2016 21:27:02

Middle Channel / 10MHz / QPSK



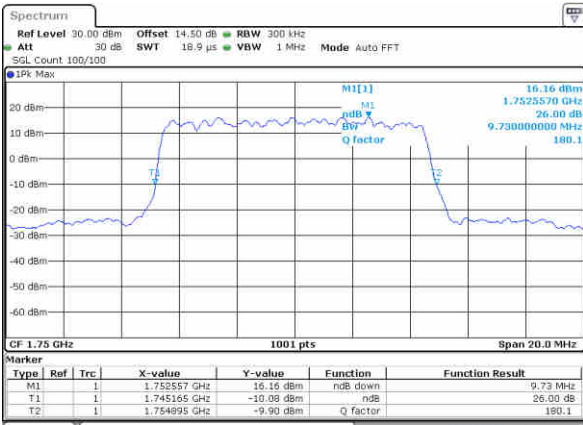
Date: 29 JUN 2016 21:33:49

Middle Channel / 10MHz / 16QAM



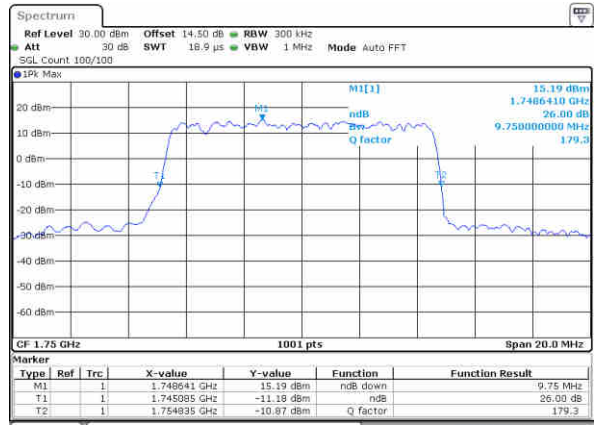
Date: 29 JUN 2016 21:33:59

Highest Channel / 10MHz / QPSK



Date: 29 JUN 2016 21:36:15

Highest Channel / 10MHz / 16QAM

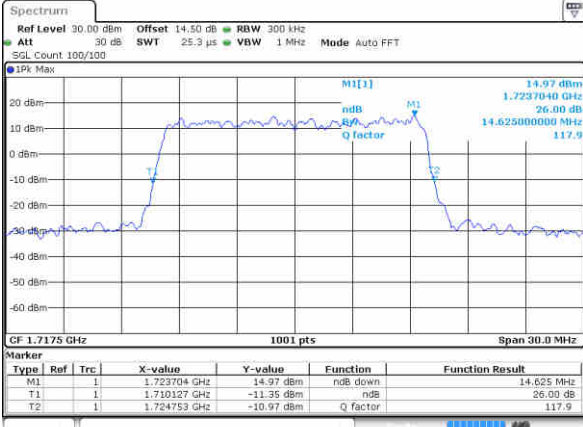


Date: 29 JUN 2016 21:36:25



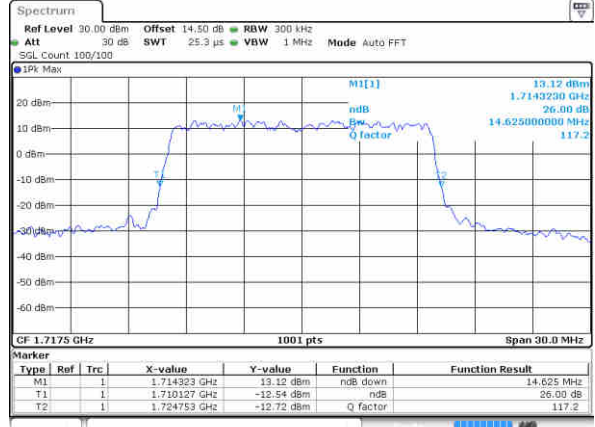
LTE Band 4

Lowest Channel / 15MHz / QPSK



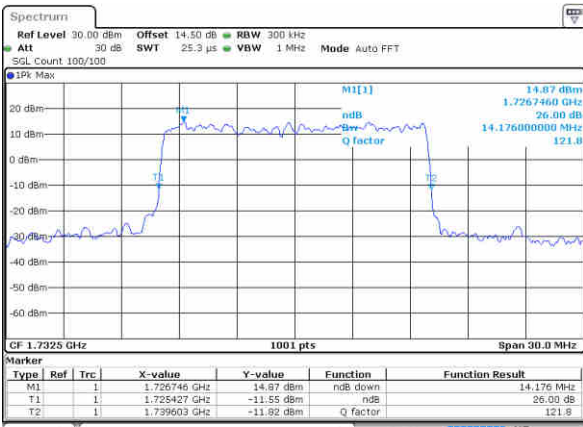
Date: 29 JUN 2016 21:43:12

Lowest Channel / 15MHz / 16QAM



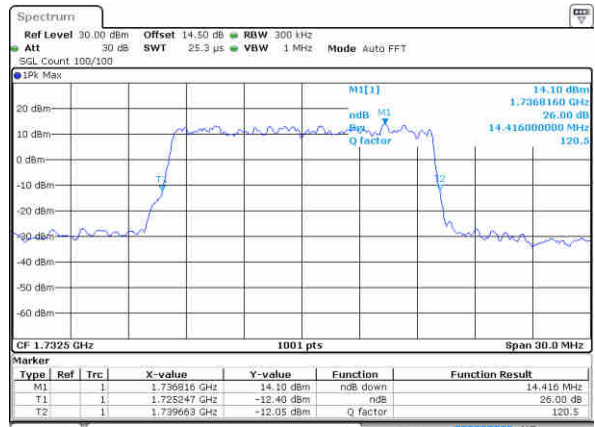
Date: 29 JUN 2016 21:43:22

Middle Channel / 15MHz / QPSK



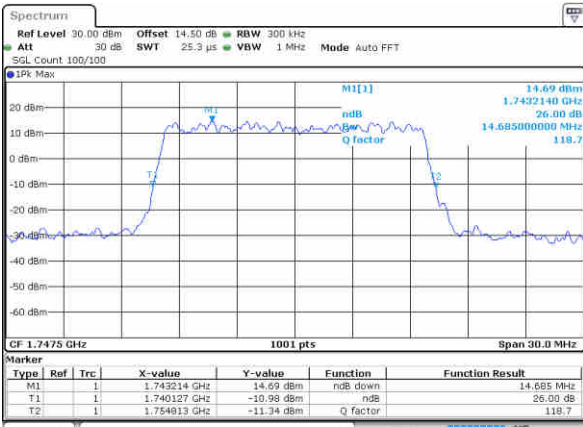
Date: 29 JUN 2016 21:50:10

Middle Channel / 15MHz / 16QAM



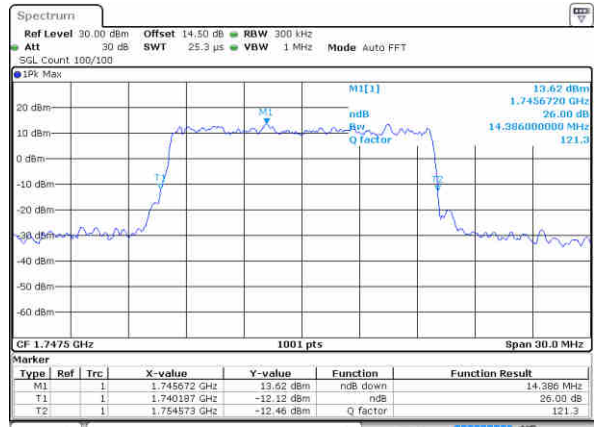
Date: 29 JUN 2016 21:50:20

Highest Channel / 15MHz / QPSK



Date: 29 JUN 2016 21:52:36

Highest Channel / 15MHz / 16QAM

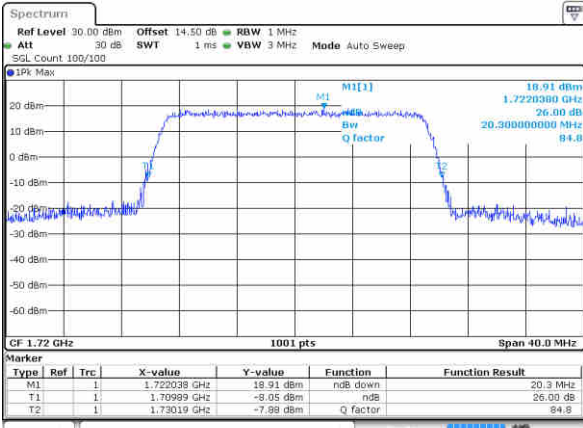


Date: 29 JUN 2016 21:52:46



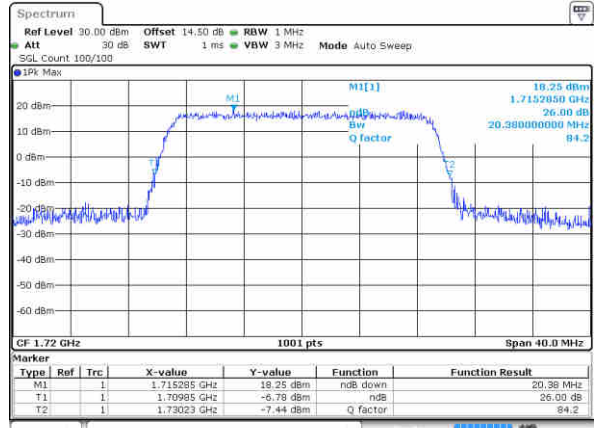
LTE Band 4

Lowest Channel / 20MHz / QPSK



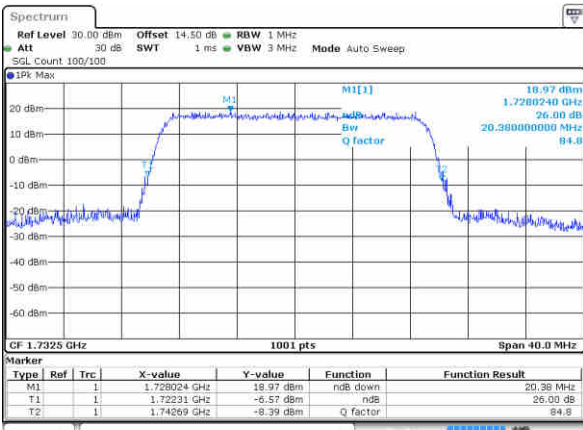
Date: 29 JUN 2016 21:59:33

Lowest Channel / 20MHz / 16QAM



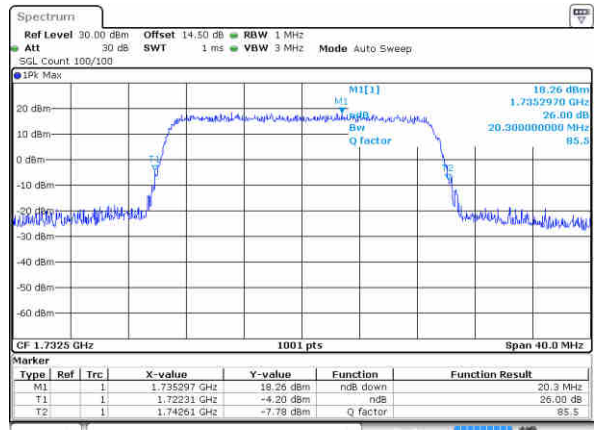
Date: 29 JUN 2016 21:59:43

Middle Channel / 20MHz / QPSK



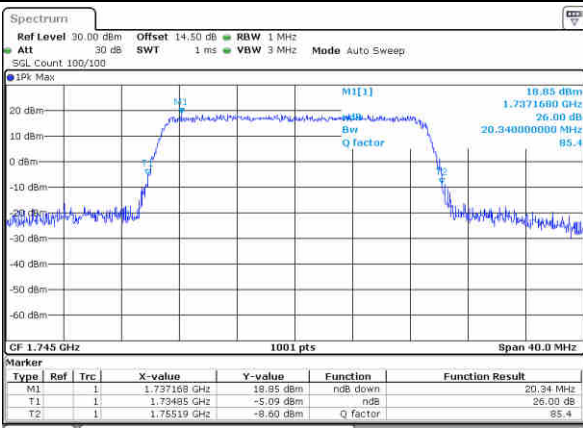
Date: 29 JUN 2016 22:06:30

Middle Channel / 20MHz / 16QAM



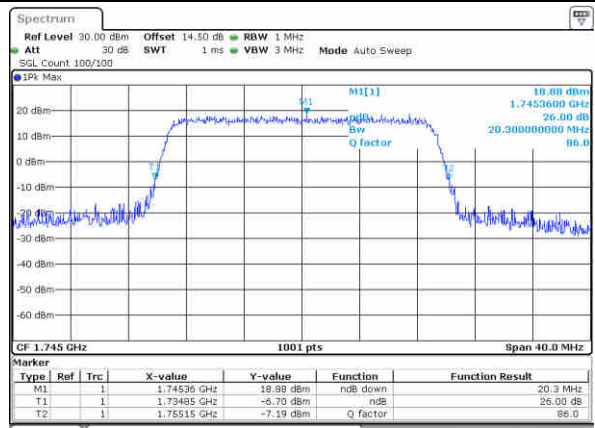
Date: 29 JUN 2016 22:06:40

Highest Channel / 20MHz / QPSK



Date: 29 JUN 2016 22:08:57

Highest Channel / 20MHz / 16QAM

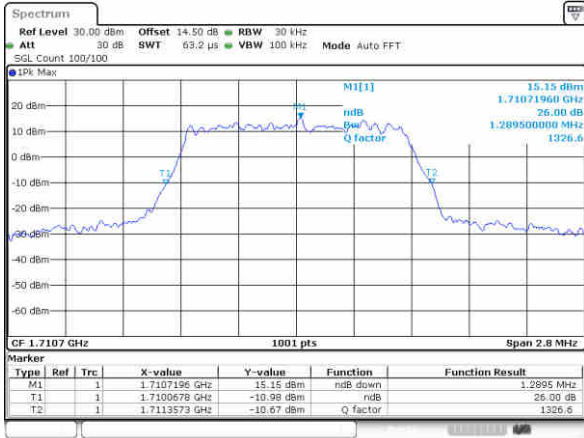


Date: 29 JUN 2016 22:09:06

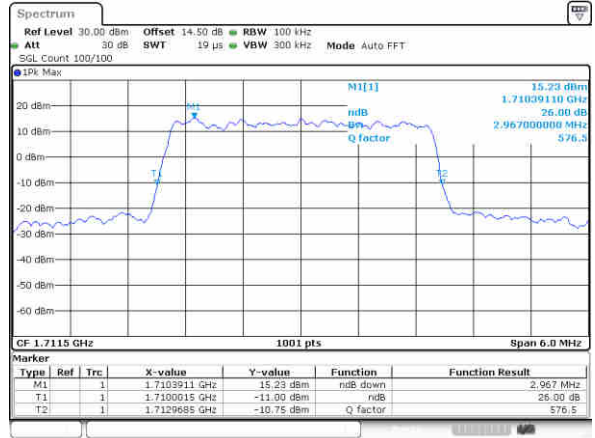


LTE Band 4

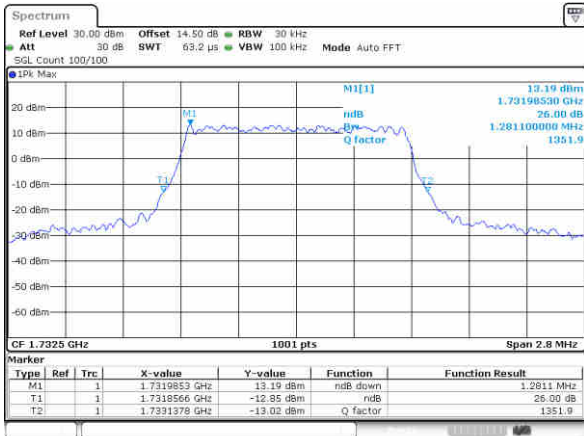
Lowest Channel / 1.4MHz / 64QAM



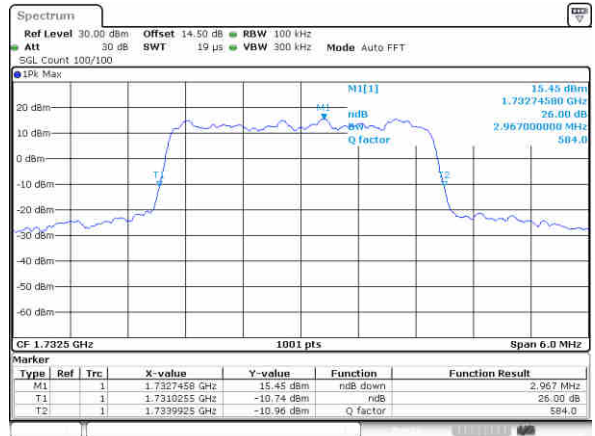
Lowest Channel / 3MHz / 64QAM



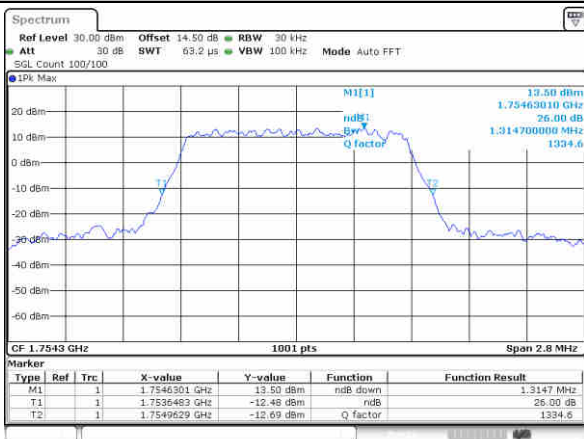
Middle Channel / 1.4MHz / 64QAM



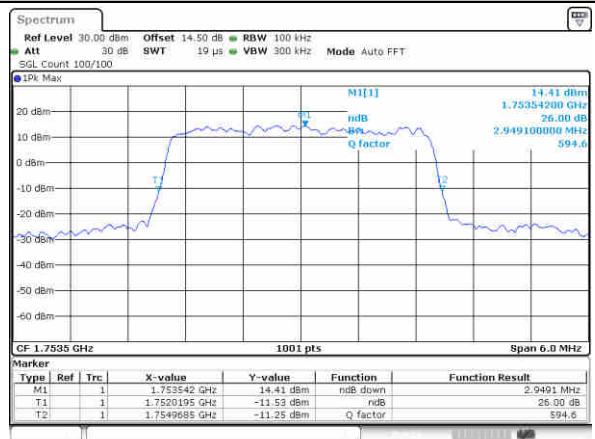
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM



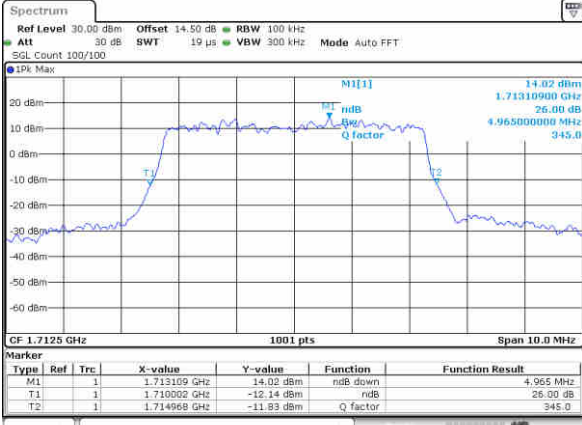
Highest Channel / 3MHz / 64QAM



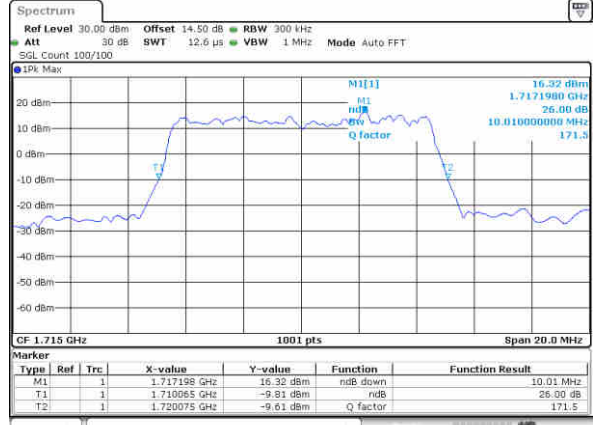


LTE Band 4

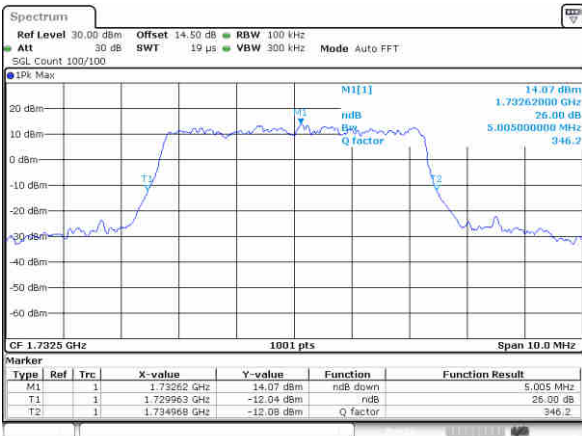
Lowest Channel / 5MHz / 64QAM



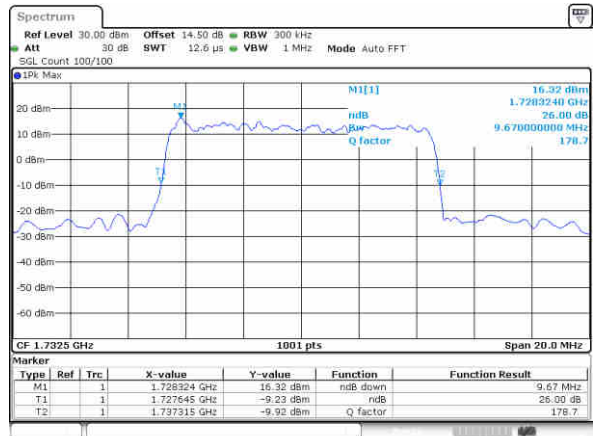
Lowest Channel / 10MHz / 64QAM



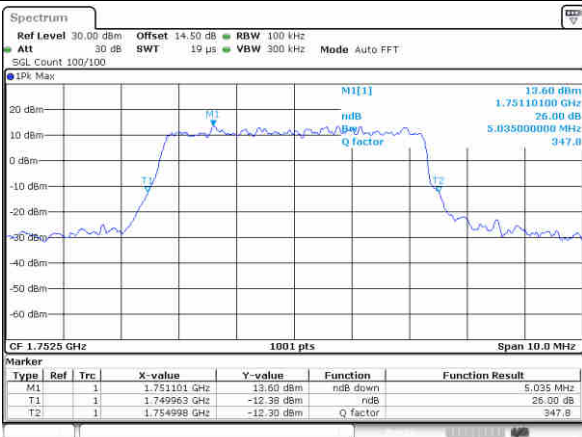
Middle Channel / 5MHz / 64QAM



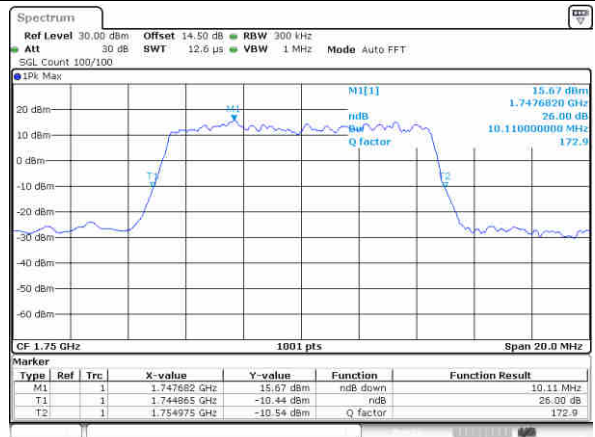
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



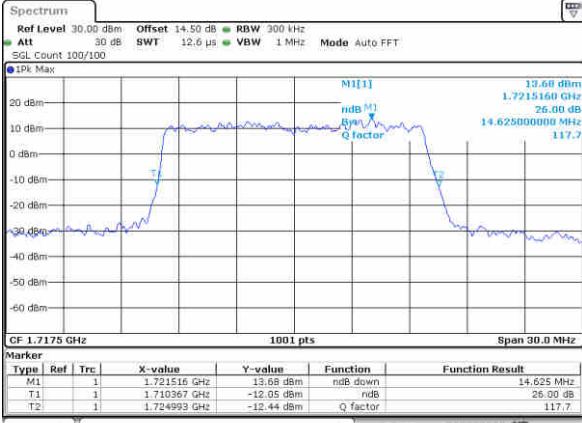
Highest Channel / 10MHz / 64QAM



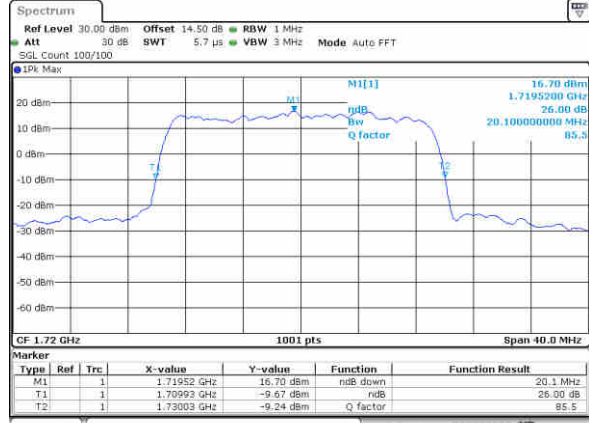


LTE Band 4

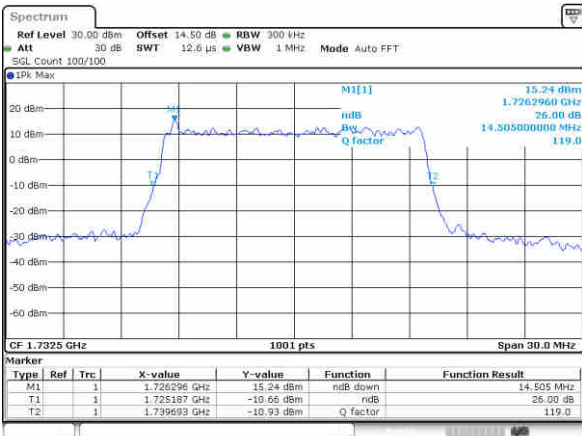
Lowest Channel / 15MHz / 64QAM



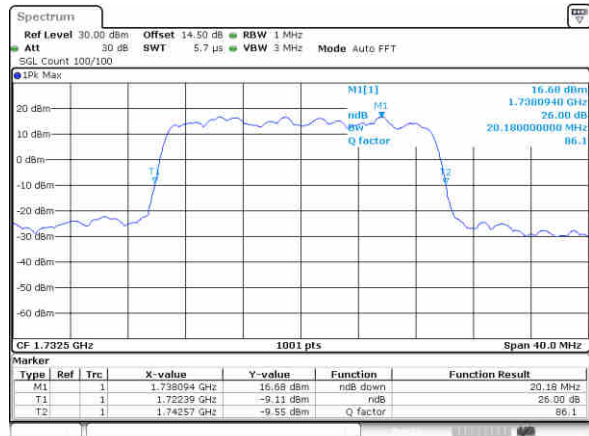
Lowest Channel / 20MHz / 64QAM



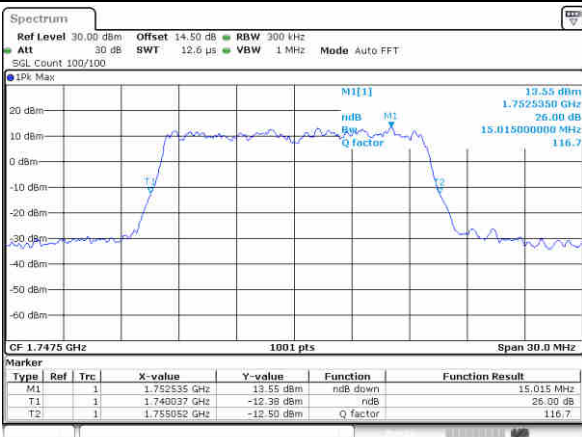
Middle Channel / 15MHz / 64QAM



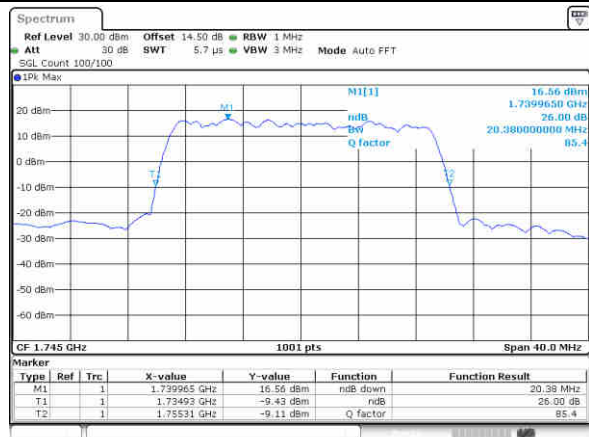
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



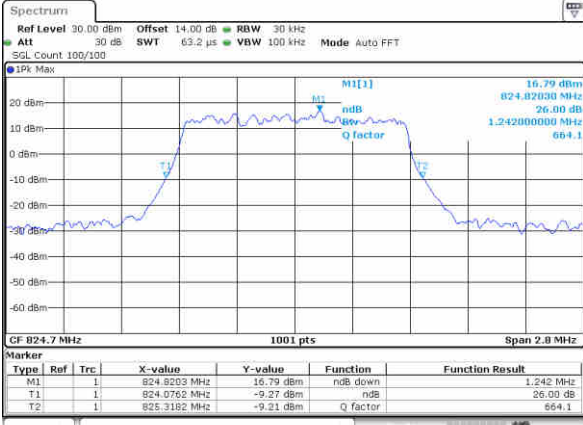
Highest Channel / 20MHz / 64QAM





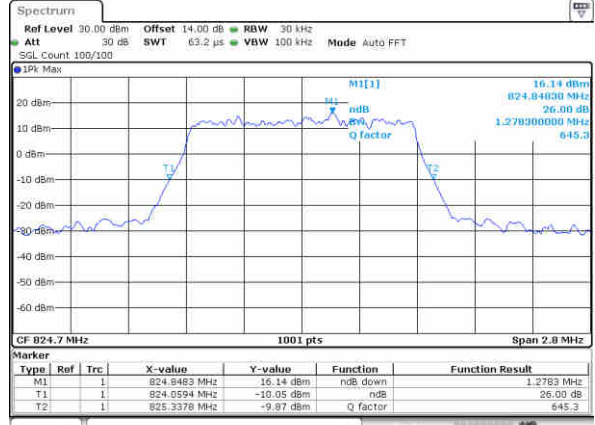
LTE Band 5

Lowest Channel / 1.4MHz / QPSK



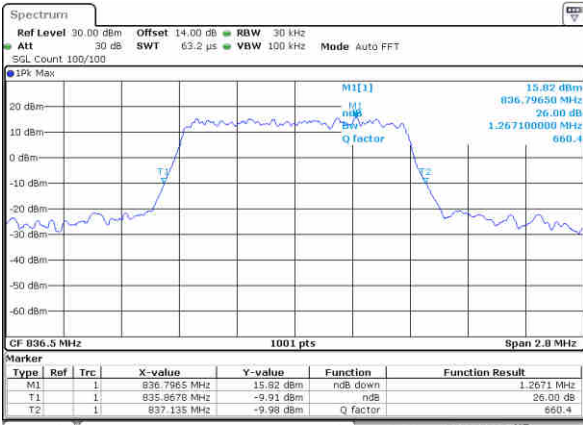
Date: 27-Jun-2018 20:18:12

Lowest Channel / 1.4MHz / 16QAM



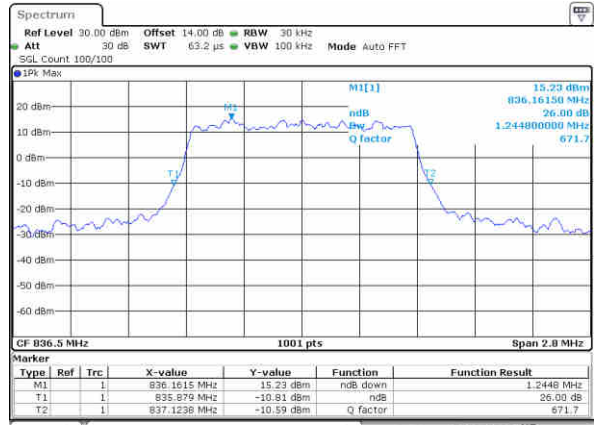
Date: 27-Jun-2018 20:18:02

Middle Channel / 1.4MHz / QPSK



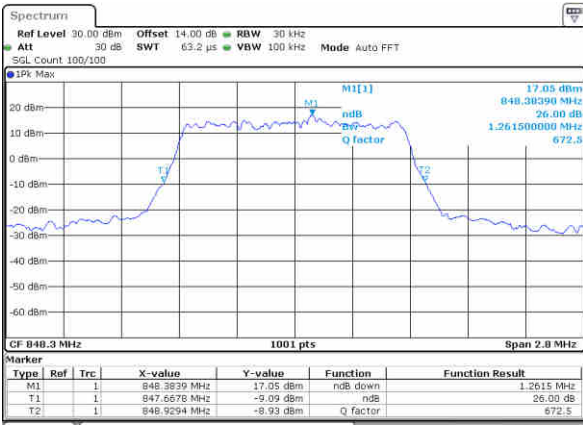
Date: 27-Jun-2018 20:27:12

Middle Channel / 1.4MHz / 16QAM



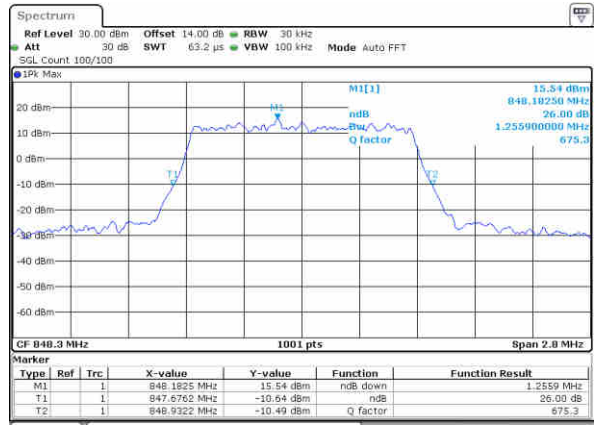
Date: 27-Jun-2018 20:27:02

Highest Channel / 1.4MHz / QPSK



Date: 27-Jun-2018 20:29:45

Highest Channel / 1.4MHz / 16QAM

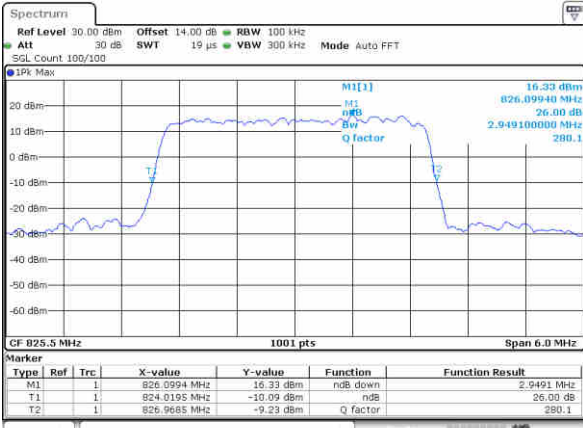


Date: 27-Jun-2018 20:29:55



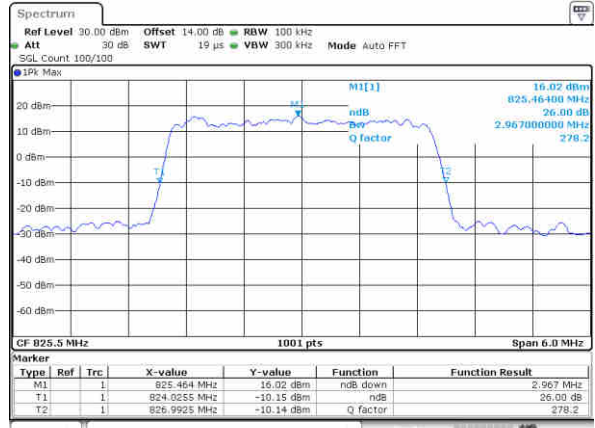
LTE Band 5

Lowest Channel / 3MHz / QPSK



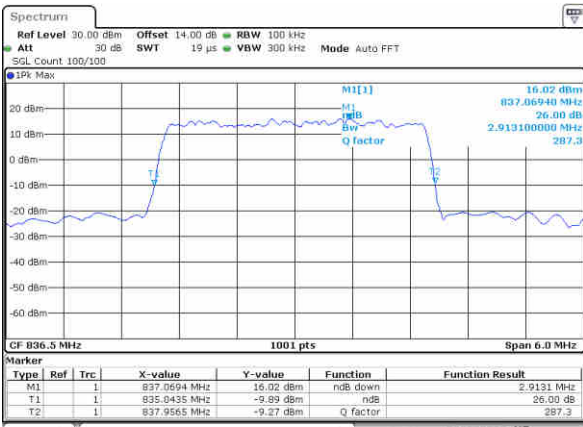
Date: 27 JUN 2018 20:38:53

Lowest Channel / 3MHz / 16QAM



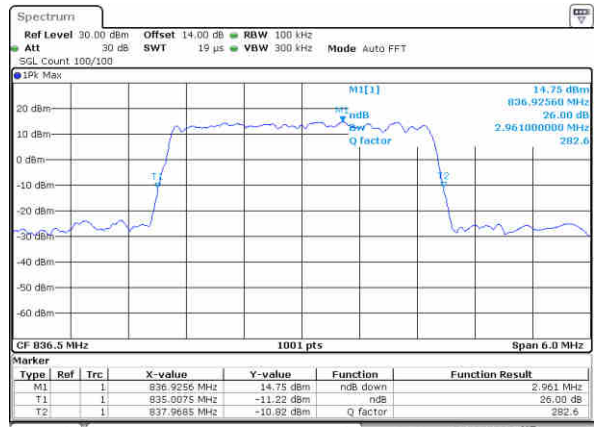
Date: 27 JUN 2018 20:39:03

Middle Channel / 3MHz / QPSK



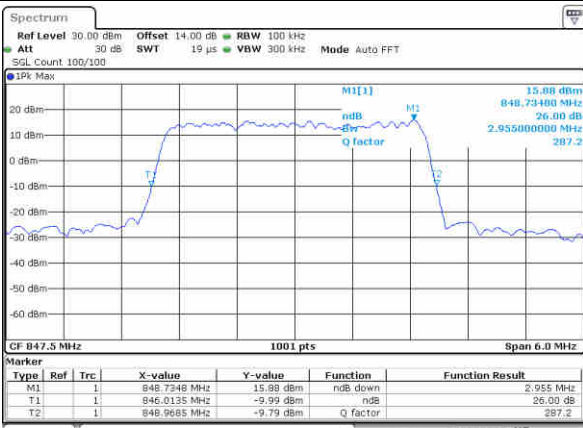
Date: 27 JUN 2018 20:48:02

Middle Channel / 3MHz / 16QAM



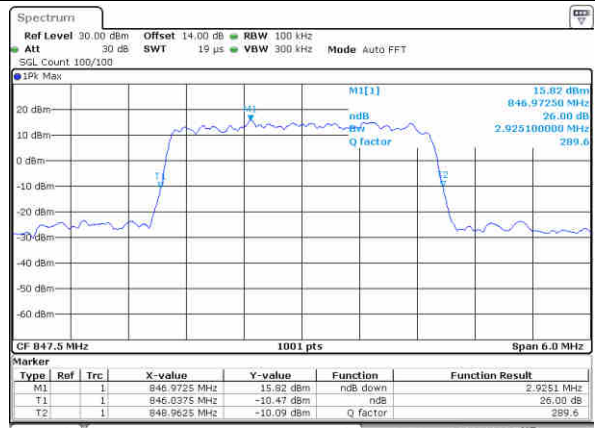
Date: 27 JUN 2018 20:48:12

Highest Channel / 3MHz / QPSK



Date: 27 JUN 2018 20:50:35

Highest Channel / 3MHz / 16QAM

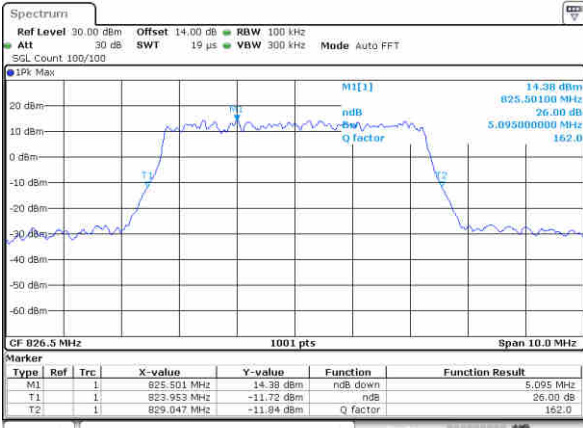


Date: 27 JUN 2018 20:50:45



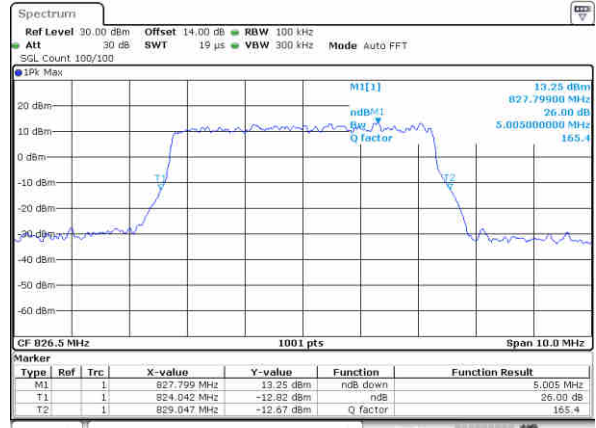
LTE Band 5

Lowest Channel / 5MHz / QPSK



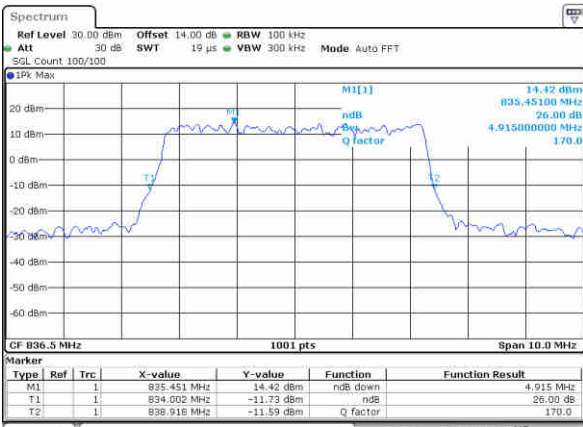
Date: 27-Jun-2018 20:59:44

Lowest Channel / 5MHz / 16QAM



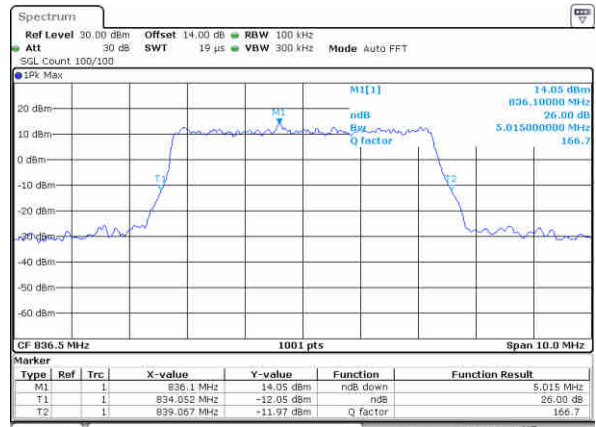
Date: 27-Jun-2018 20:59:54

Middle Channel / 5MHz / QPSK



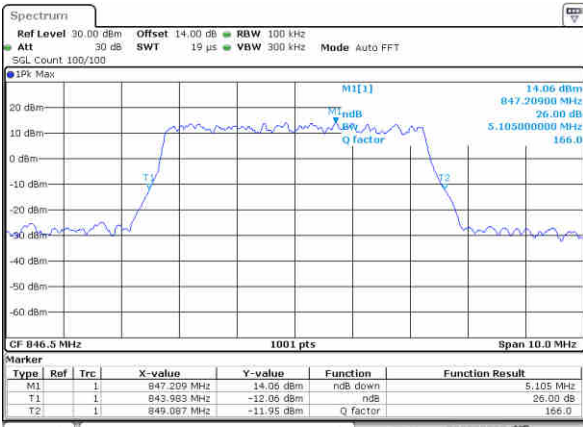
Date: 27-Jun-2018 21:09:52

Middle Channel / 5MHz / 16QAM



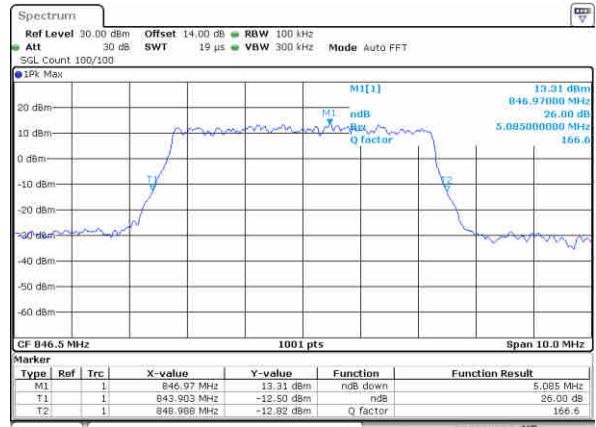
Date: 27-Jun-2018 21:09:02

Highest Channel / 5MHz / QPSK



Date: 27-Jun-2018 21:11:25

Highest Channel / 5MHz / 16QAM

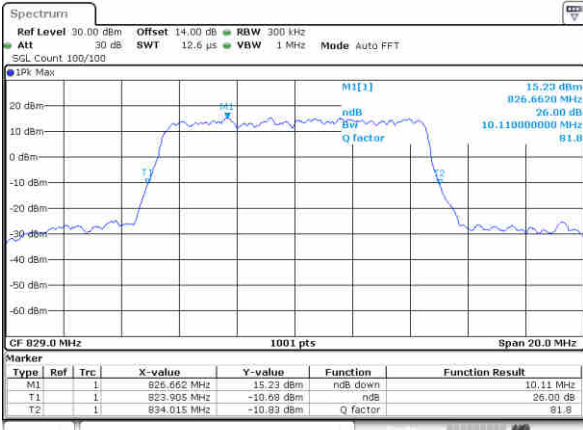


Date: 27-Jun-2018 21:11:35



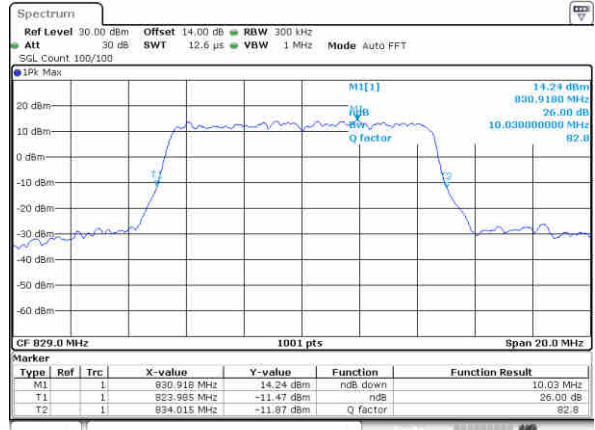
LTE Band 5

Lowest Channel / 10MHz / QPSK



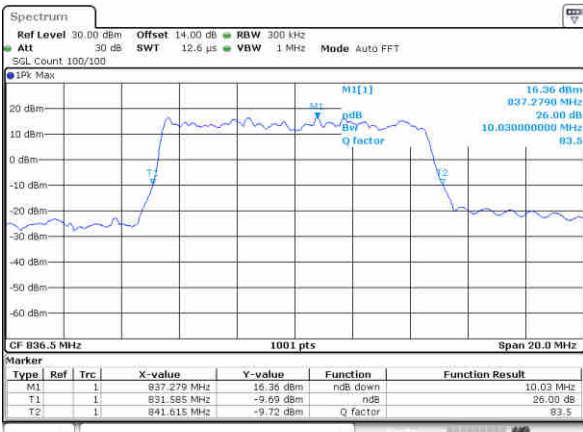
Date: 27_JUN,2018 21:29:33

Lowest Channel / 10MHz / 16QAM



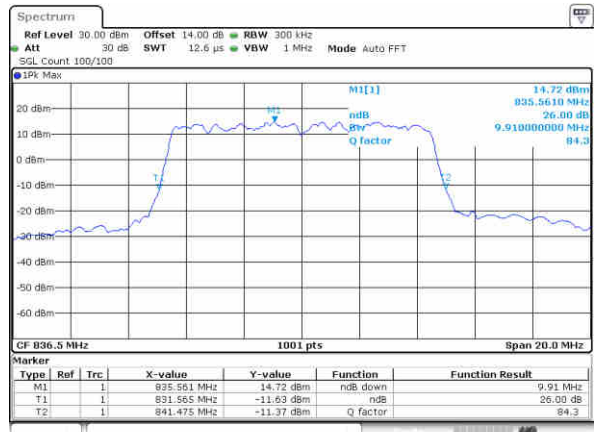
Date: 27_JUN,2018 21:29:43

Middle Channel / 10MHz / QPSK



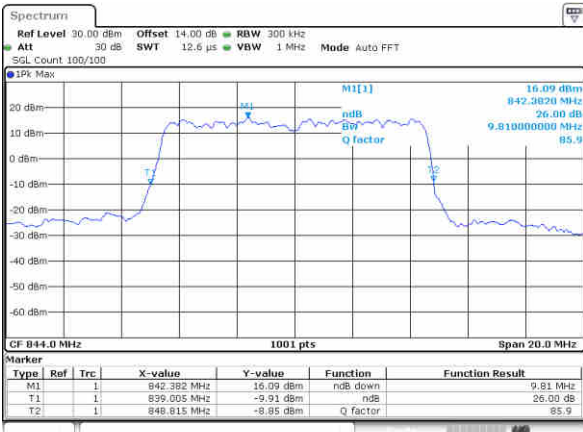
Date: 27_JUN,2018 21:29:41

Middle Channel / 10MHz / 16QAM



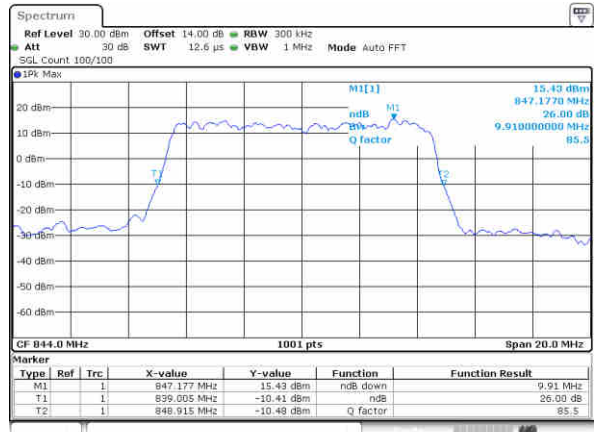
Date: 27_JUN,2018 21:29:51

Highest Channel / 10MHz / QPSK



Date: 27_JUN,2018 21:32:14

Highest Channel / 10MHz / 16QAM

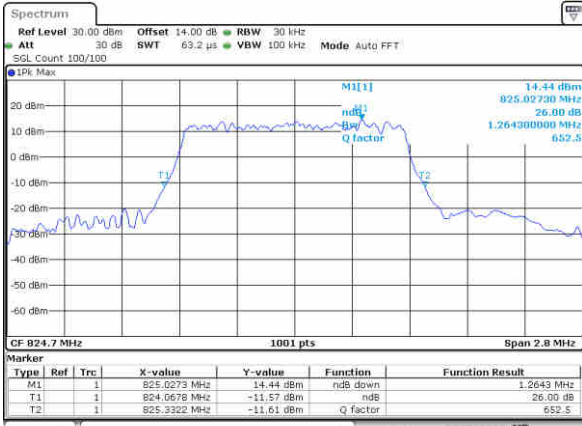


Date: 27_JUN,2018 21:32:24

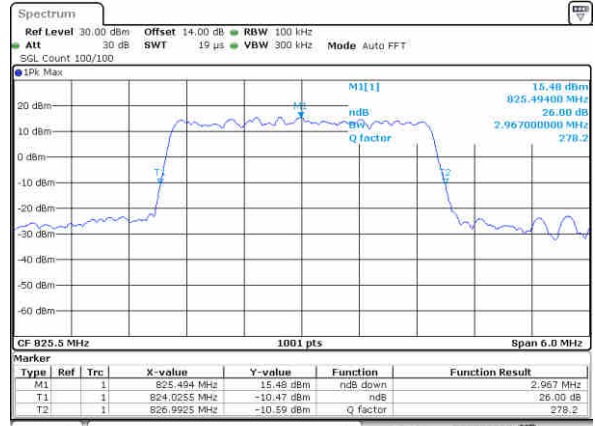


LTE Band 5

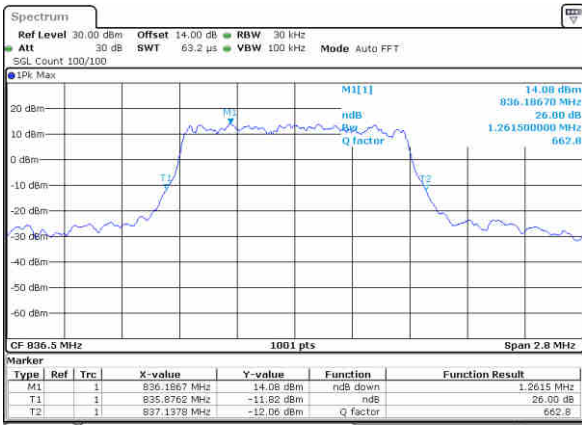
Lowest Channel / 1.4MHz / 64QAM



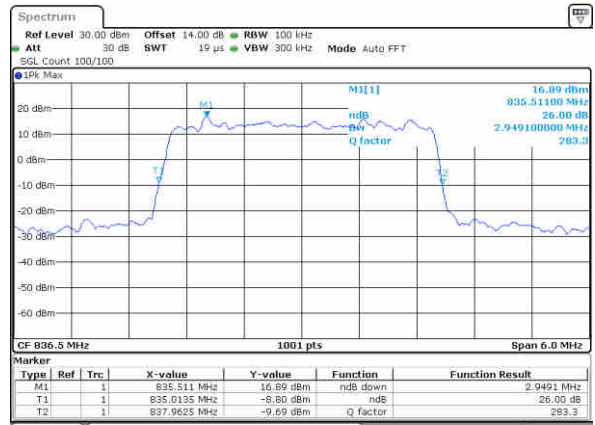
Lowest Channel / 3MHz / 64QAM



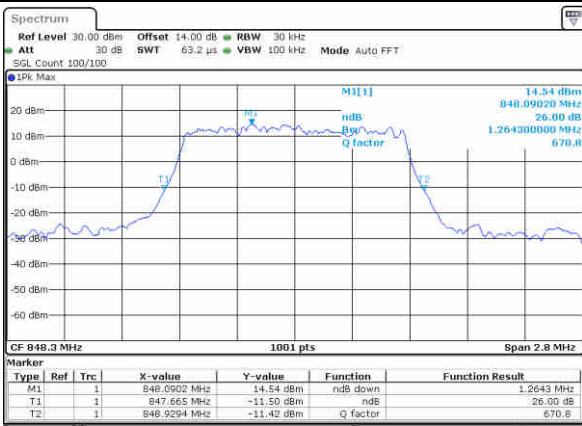
Middle Channel / 1.4MHz / 64QAM



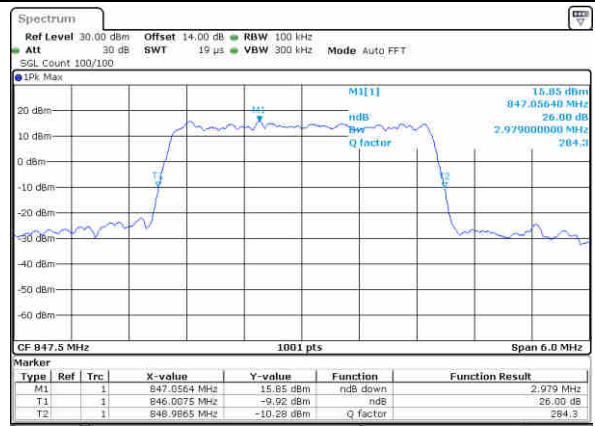
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM



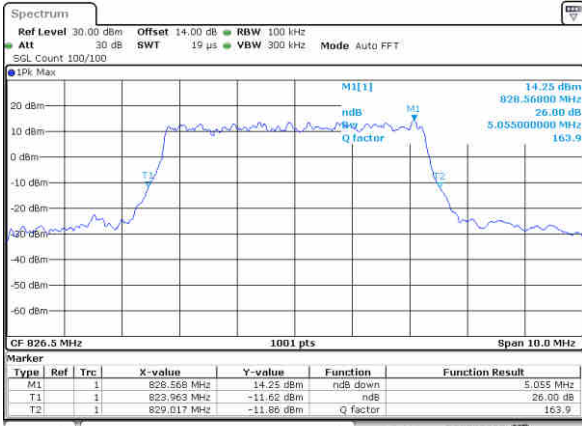
Highest Channel / 3MHz / 64QAM



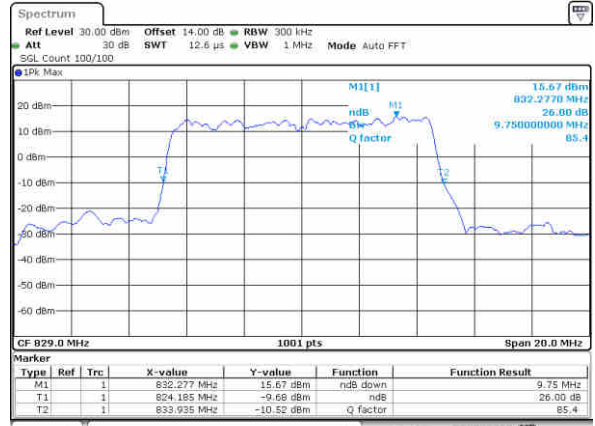


LTE Band 5

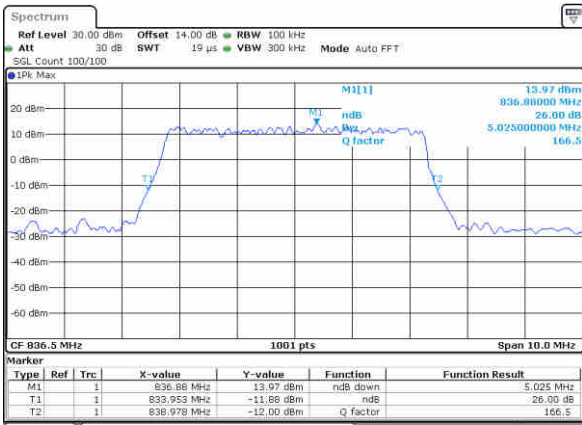
Lowest Channel / 5MHz / 64QAM



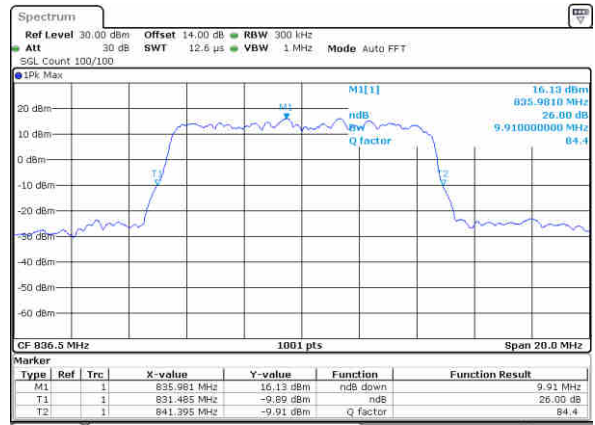
Lowest Channel / 10MHz / 64QAM



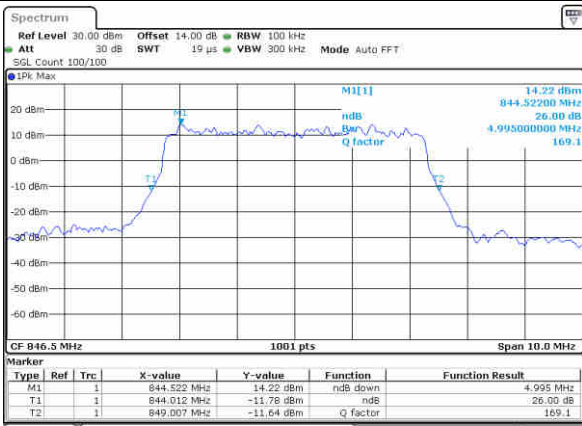
Middle Channel / 5MHz / 64QAM



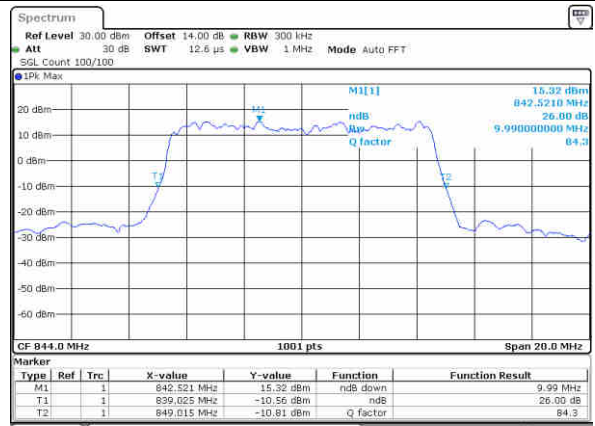
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



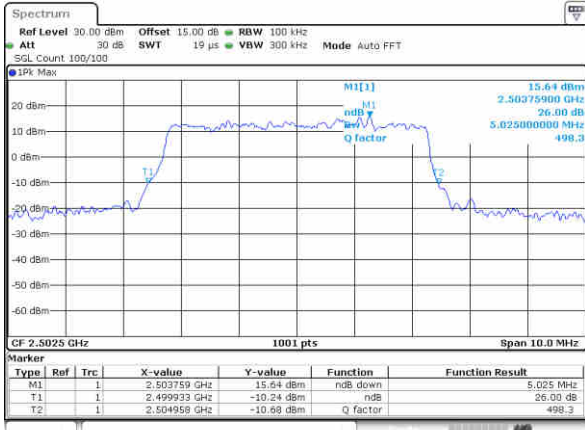
Highest Channel / 10MHz / 64QAM



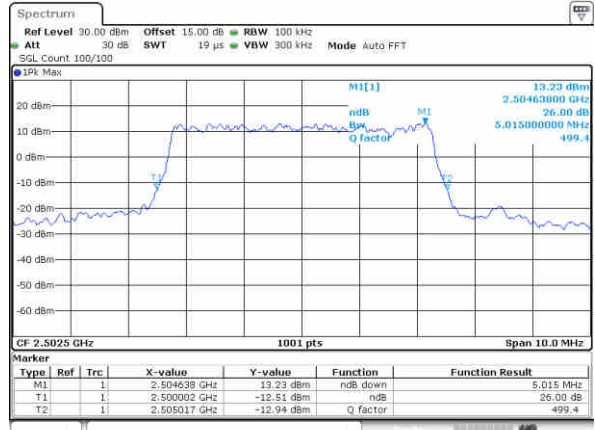


LTE Band 7

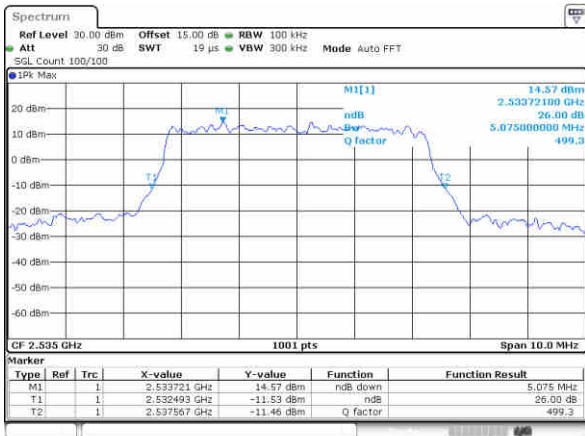
Lowest Channel / 5MHz / QPSK



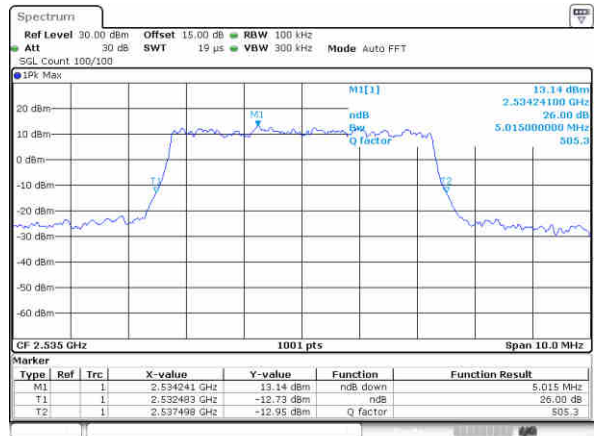
Lowest Channel / 5MHz / 16QAM



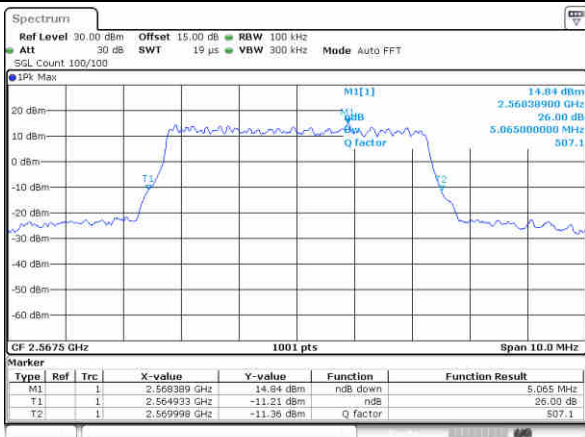
Middle Channel / 5MHz / QPSK



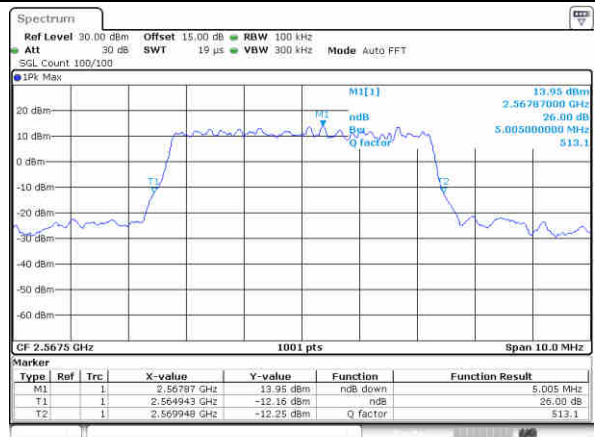
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



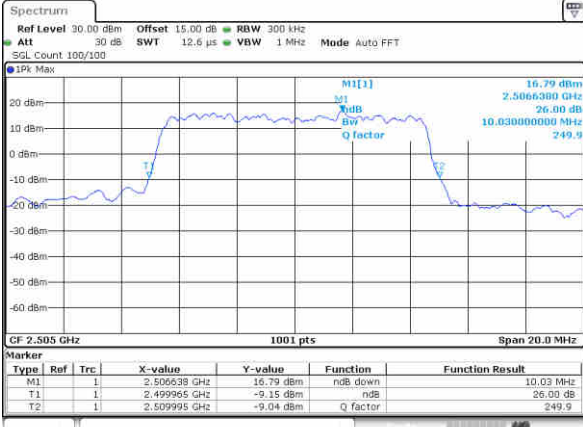
Highest Channel / 5MHz / 16QAM



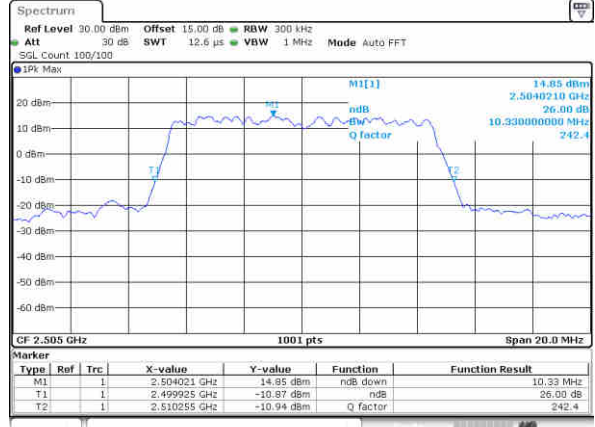


LTE Band 7

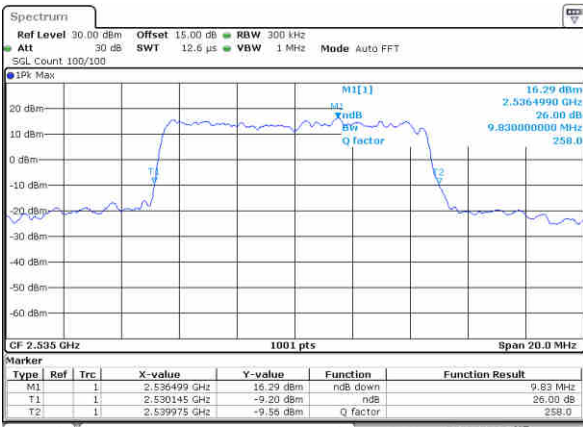
Lowest Channel / 10MHz / QPSK



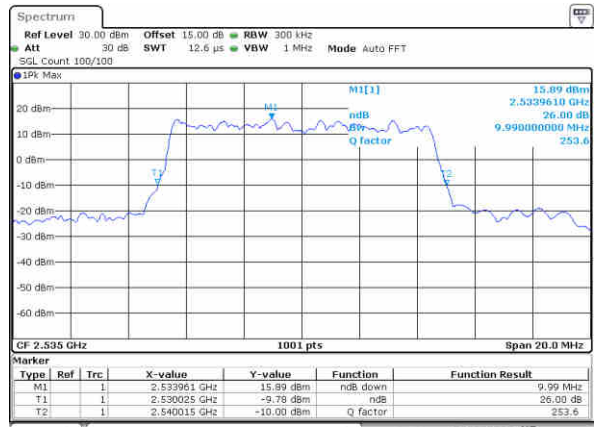
Lowest Channel / 10MHz / 16QAM



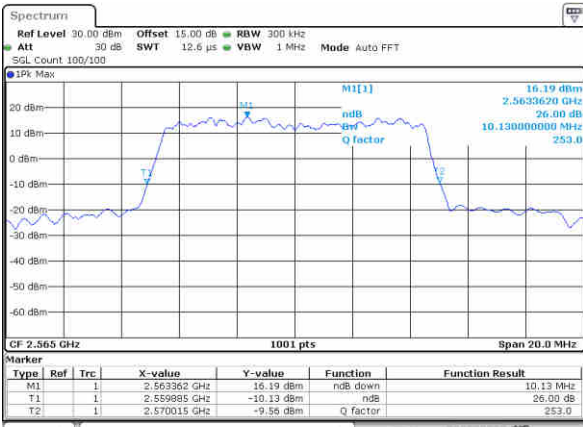
Middle Channel / 10MHz / QPSK



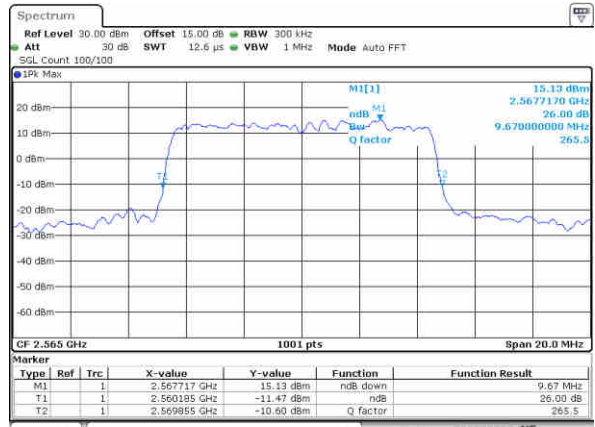
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



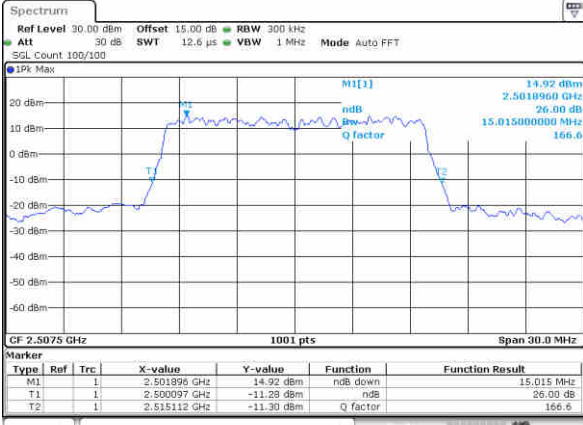
Highest Channel / 10MHz / 16QAM



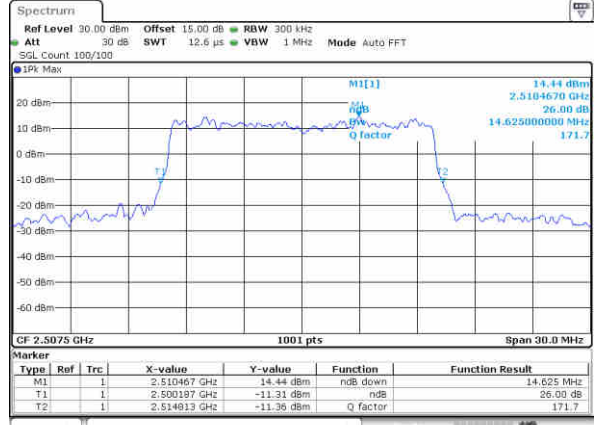


LTE Band 7

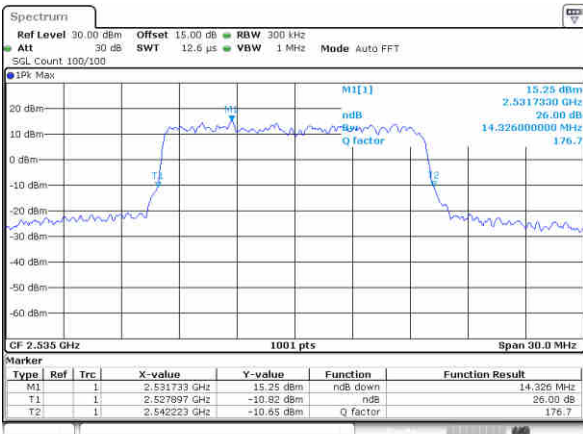
Lowest Channel / 15MHz / QPSK



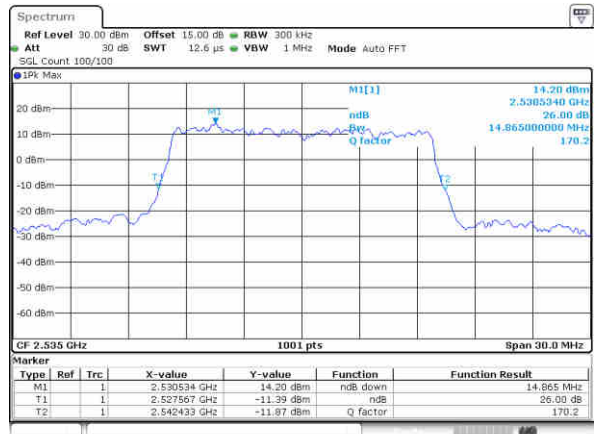
Lowest Channel / 15MHz / 16QAM



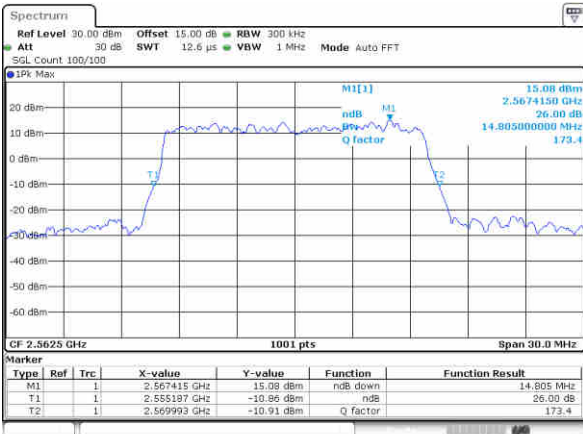
Middle Channel / 15MHz / QPSK



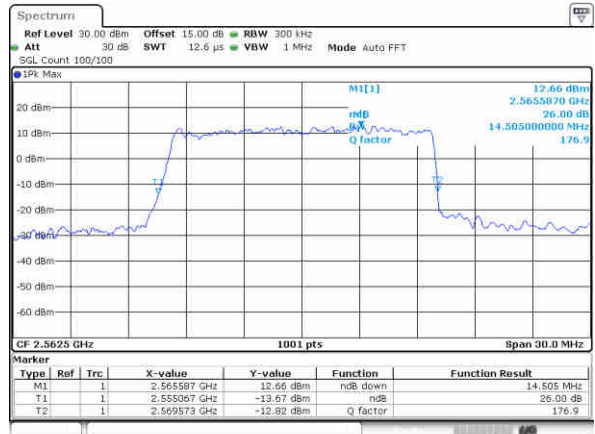
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



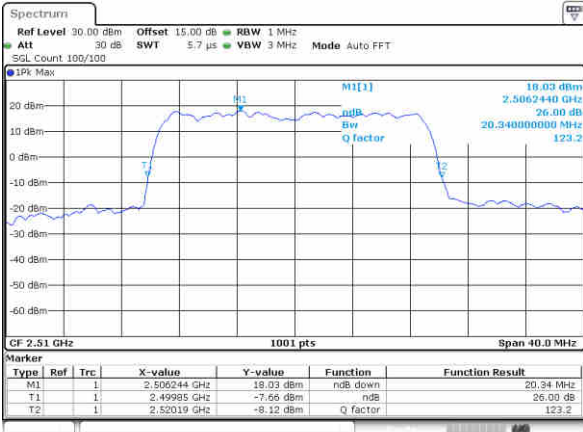
Highest Channel / 15MHz / 16QAM



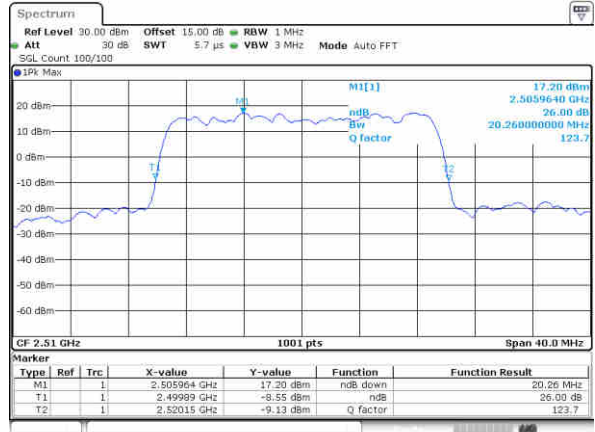


LTE Band 7

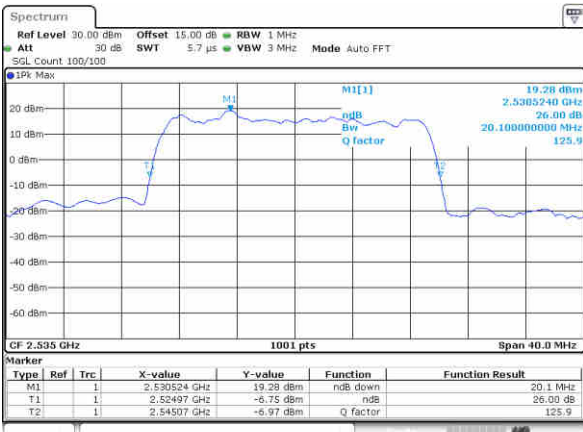
Lowest Channel / 20MHz / QPSK



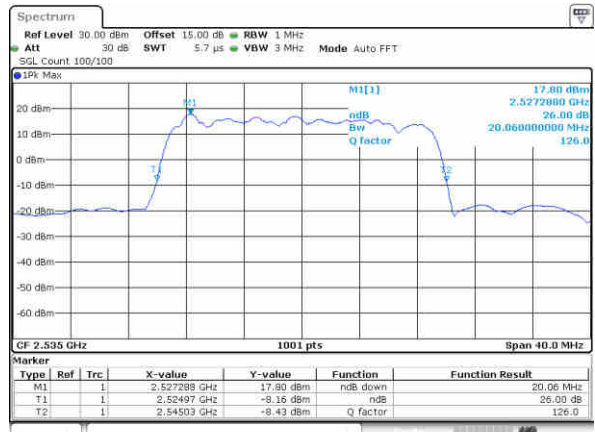
Lowest Channel / 20MHz / 16QAM



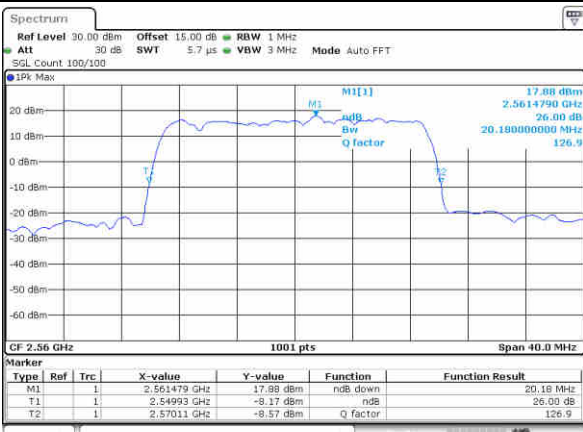
Middle Channel / 20MHz / QPSK



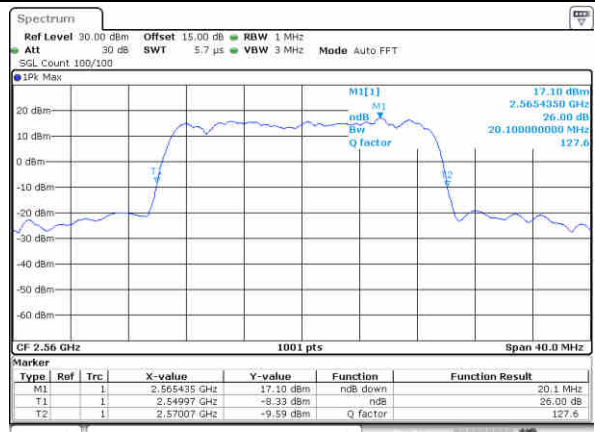
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



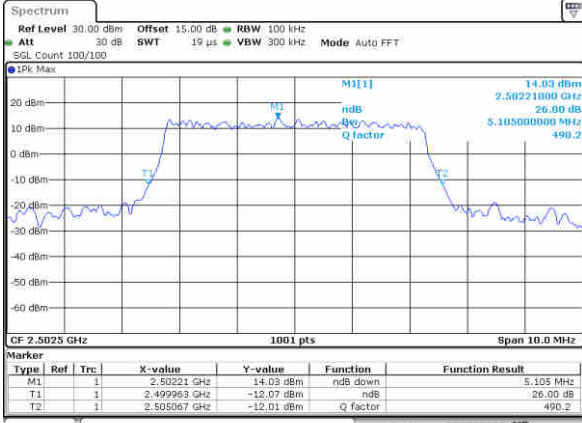
Highest Channel / 20MHz / 16QAM



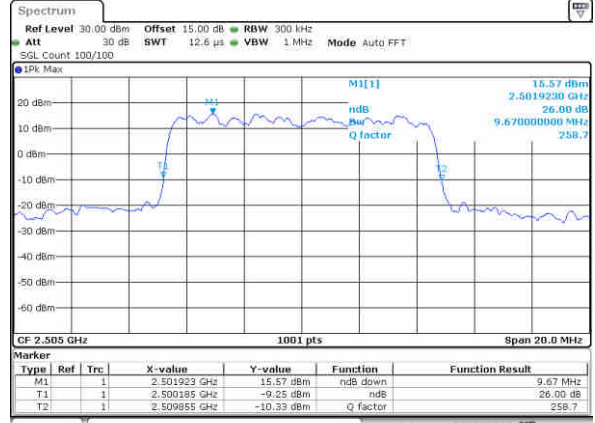


LTE Band 7

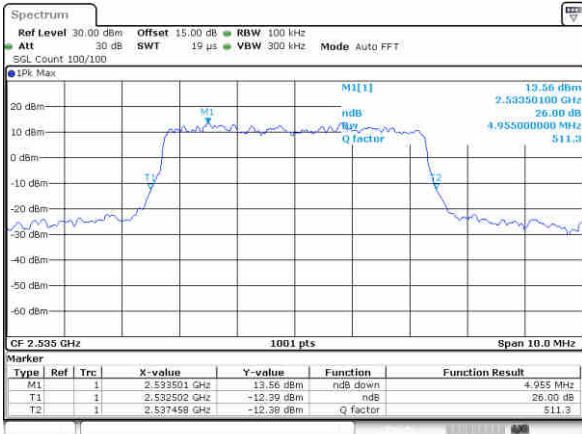
Lowest Channel / 5MHz / 64QAM



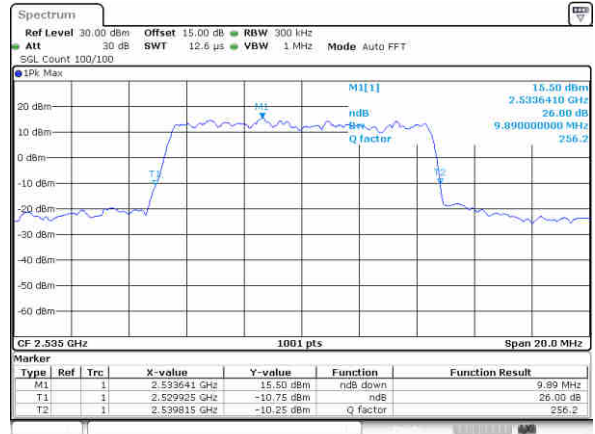
Lowest Channel / 10MHz / 64QAM



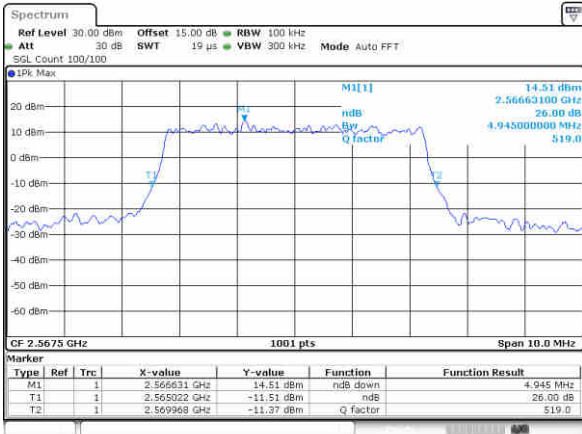
Middle Channel / 5MHz / 64QAM



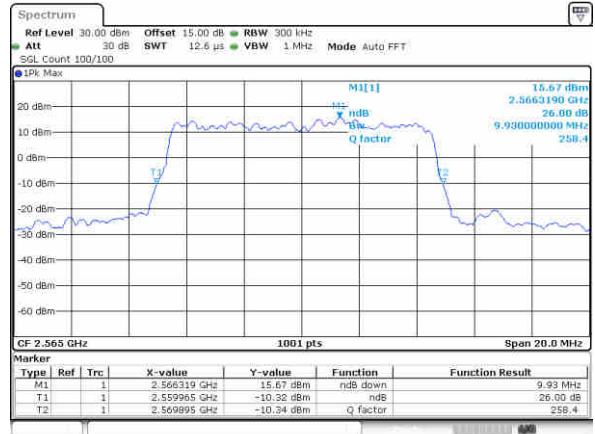
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



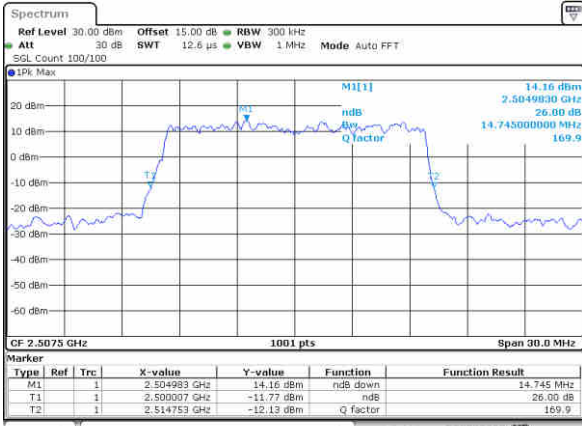
Highest Channel / 10MHz / 64QAM



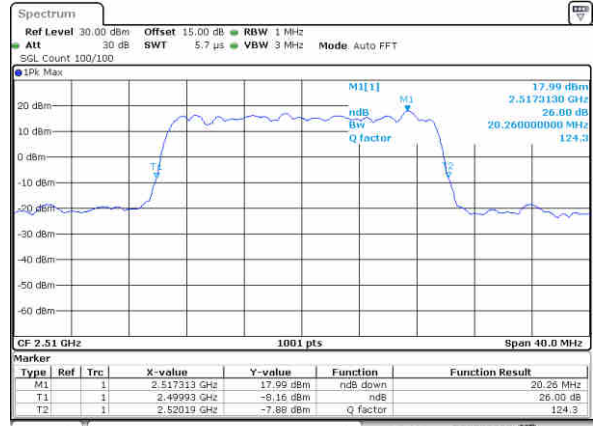


LTE Band 7

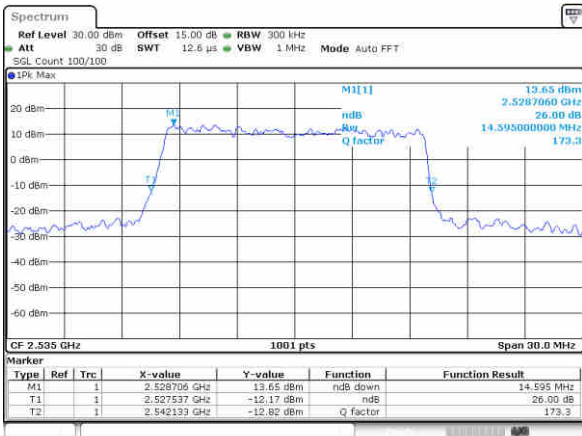
Lowest Channel / 15MHz / 64QAM



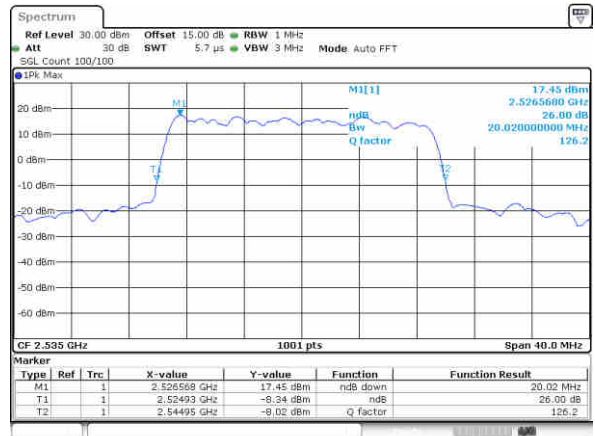
Lowest Channel / 20MHz / 64QAM



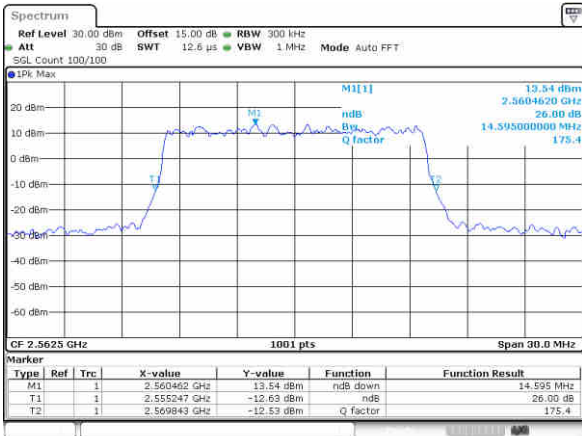
Middle Channel / 15MHz / 64QAM



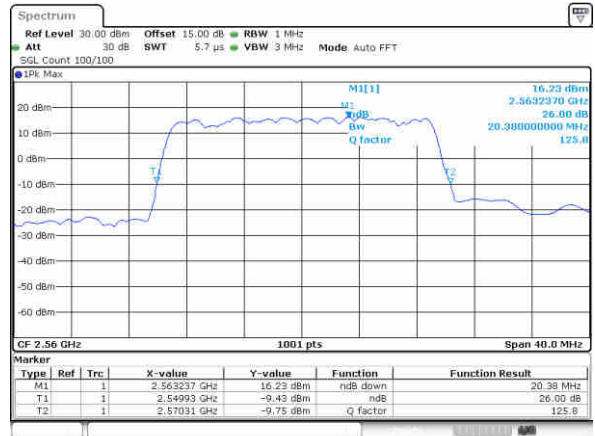
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



Highest Channel / 20MHz / 64QAM





Occupied Bandwidth

Mode	LTE Band 2 : 99%OBW(MHz)											
BW	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	2.7	4.5	4.49	9.05	9.05	13.46	13.49	18.38	18.38
Middle CH	1.09	1.09	2.7	2.71	4.5	4.49	9.09	9.07	13.46	13.46	18.3	18.38
Highest CH	1.09	1.09	2.72	2.72	4.5	4.51	9.05	9.01	13.49	13.49	18.54	18.5
BW	1.4MHz	3MHz	5MHz	10MHz	15MHz	20MHz						
Mod.	64QAM	64QAM	64QAM	64QAM	64QAM	64QAM						
Lowest CH	1.09	2.71	4.52	8.99	13.43	18.42						
Middle CH	1.09	2.71	4.51	9.03	13.46	18.38						
Highest CH	1.09	2.71	4.50	9.07	13.52	18.46						

Mode	LTE Band 4 : 99%OBW(MHz)											
BW	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	2.7	2.72	4.5	4.49	8.97	9.07	13.49	13.46	18.38	18.34
Middle CH	1.09	1.08	2.72	2.71	4.5	4.51	9.07	9.01	13.52	13.49	18.38	18.42
Highest CH	1.09	1.1	2.7	2.7	4.49	4.48	9.03	9.03	13.46	13.52	18.34	18.38
BW	1.4MHz	3MHz	5MHz	10MHz	15MHz	20MHz						
Mod.	64QAM	64QAM	64QAM	64QAM	64QAM	64QAM						
Lowest CH	1.09	2.73	4.5	9.05	13.46	18.34						
Middle CH	1.09	2.73	4.48	9.09	13.43	18.46						
Highest CH	1.10	2.72	4.49	9.03	13.46	18.26						



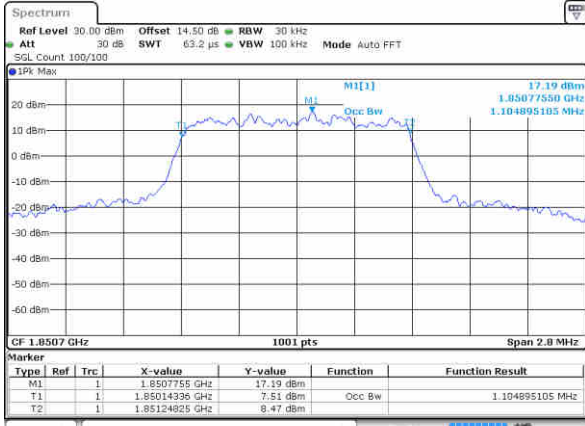
Mode	LTE Band 5 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.69	2.72	4.51	4.51	9.07	9.03	-	-	-	-
Middle CH	1.09	1.08	2.73	2.72	4.5	4.49	9.05	8.99	-	-	-	-
Highest CH	1.09	1.09	2.7	2.72	4.49	4.47	8.99	9.05	-	-	-	-
BW	1.4MHz	3MHz	5MHz	10MHz								
Mod.	64QAM	64QAM	64QAM	64QAM								
Lowest CH	1.09	2.73	4.51	9.03								
Middle CH	1.09	2.73	4.49	9.11								
Highest CH	1.10	2.72	4.50	9.07								

Mode	LTE Band 7 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.5	4.5	9.05	9.05	13.49	13.52	18.42	18.46
Middle CH	-	-	-	-	4.53	4.5	9.05	9.03	13.52	13.49	18.5	18.42
Highest CH	-	-	-	-	4.53	4.51	9.03	9.03	13.46	13.43	18.38	18.3
Mode	LTE Band 7 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-		-		4.48		9.01		13.52		18.46	
Middle CH	-		-		4.49		9.03		13.49		18.38	
Highest CH	-		-		4.49		9.01		13.37		18.30	



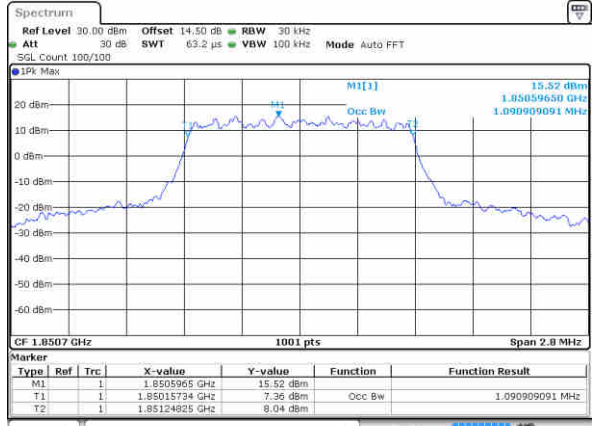
LTE Band 2

Lowest Channel / 1.4MHz / QPSK



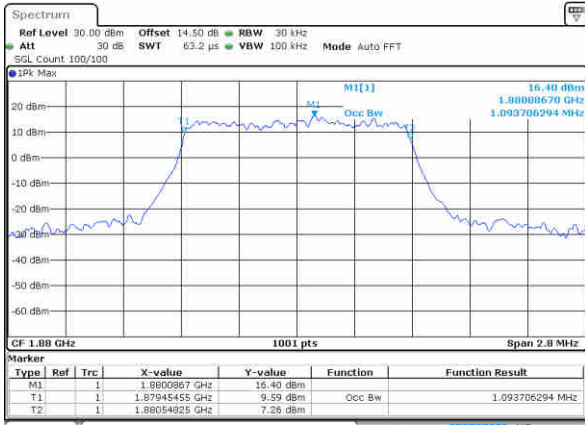
Date: 30 JUN 2018 14:55:09

Lowest Channel / 1.4MHz / 16QAM



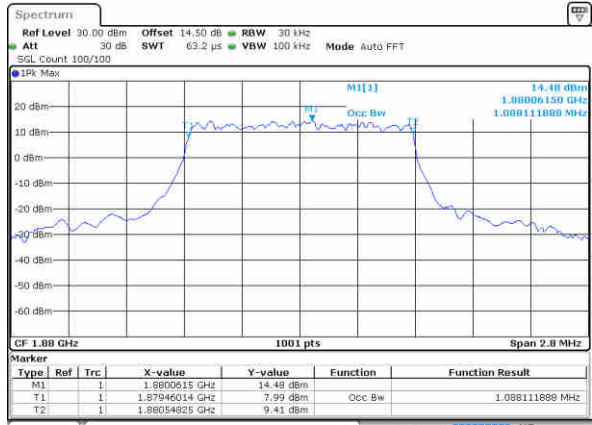
Date: 30 JUN 2018 14:55:19

Middle Channel / 1.4MHz / QPSK



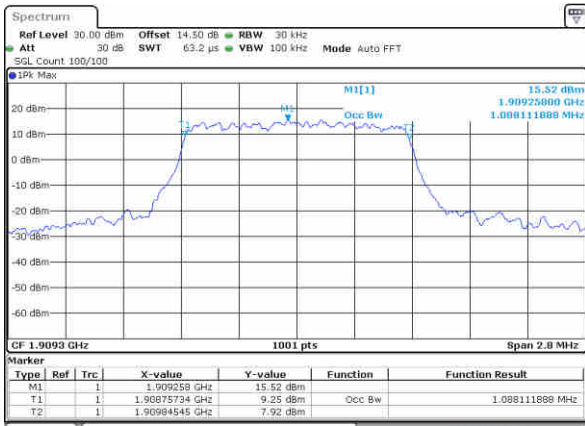
Date: 30 JUN 2018 15:02:11

Middle Channel / 1.4MHz / 16QAM



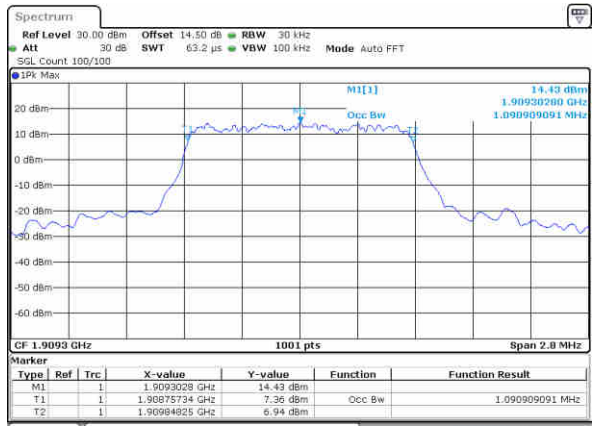
Date: 30 JUN 2018 15:02:21

Highest Channel / 1.4MHz / QPSK



Date: 30 JUN 2018 15:04:40

Highest Channel / 1.4MHz / 16QAM

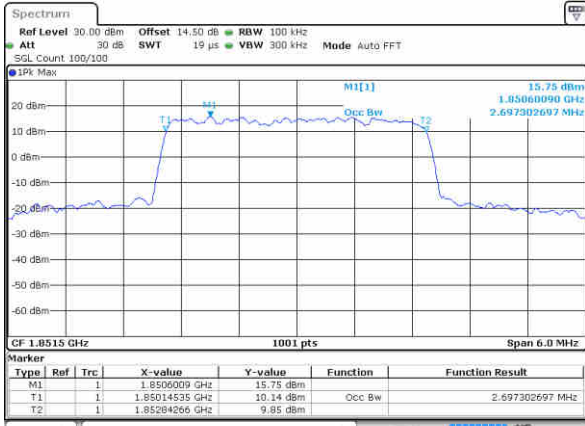


Date: 30 JUN 2018 15:04:50



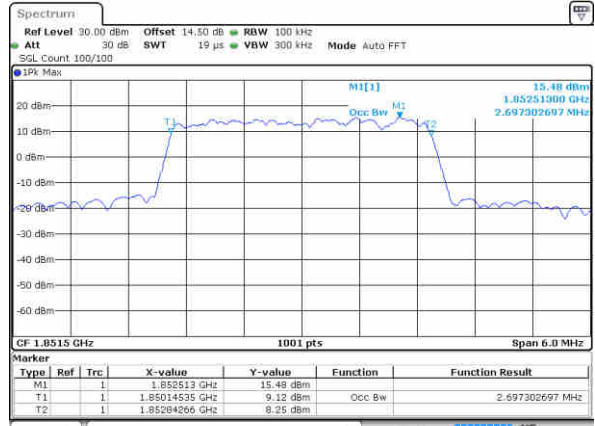
LTE Band 2

Lowest Channel / 3MHz / QPSK



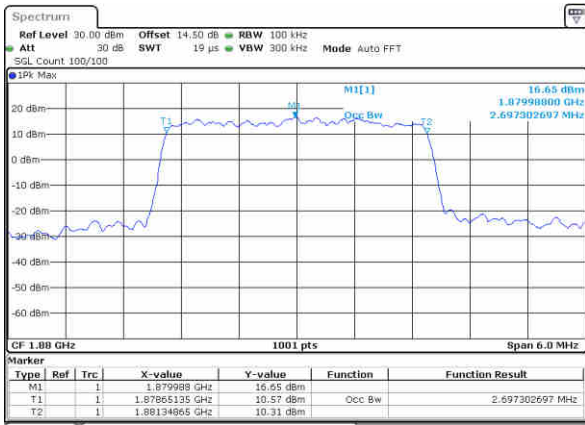
Date: 30 JUN 2018 15:11:41

Lowest Channel / 3MHz / 16QAM



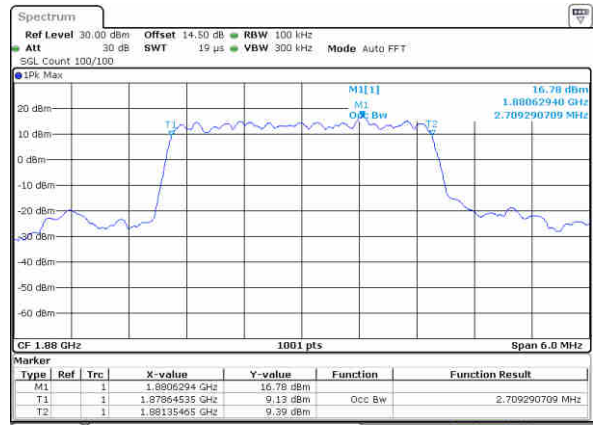
Date: 30 JUN 2018 15:11:51

Middle Channel / 3MHz / QPSK



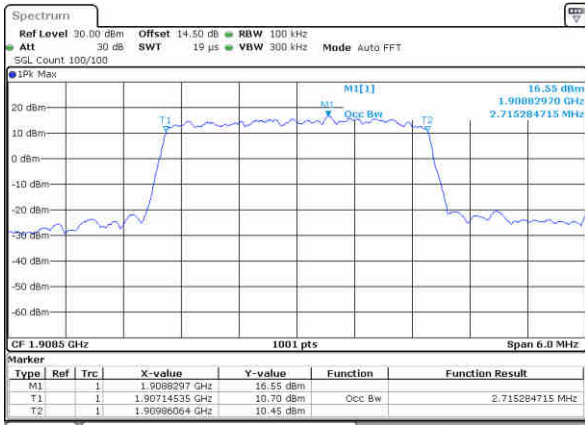
Date: 30 JUN 2018 15:18:41

Middle Channel / 3MHz / 16QAM



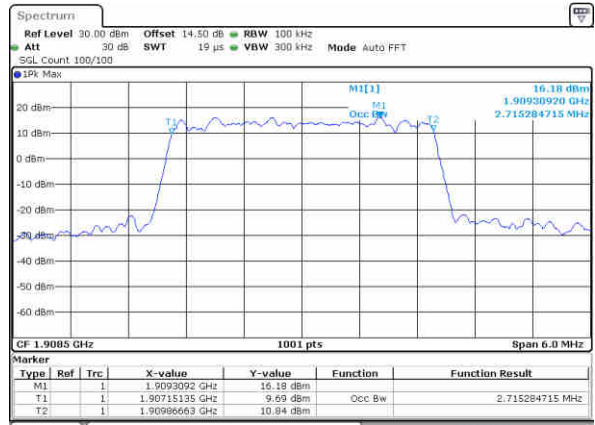
Date: 30 JUN 2018 18:49:19

Highest Channel / 3MHz / QPSK



Date: 30 JUN 2018 15:21:08

Highest Channel / 3MHz / 16QAM

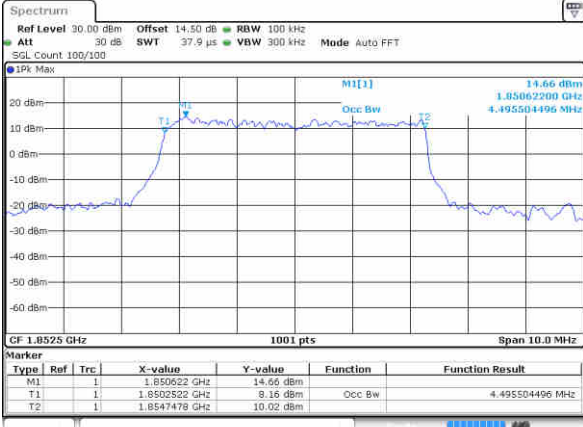


Date: 30 JUN 2018 15:21:18



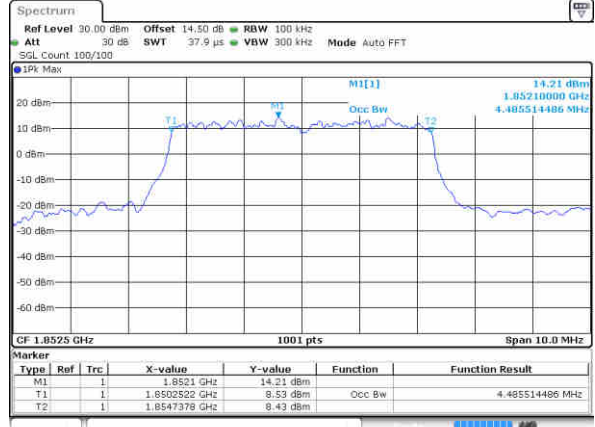
LTE Band 2

Lowest Channel / 5MHz / QPSK



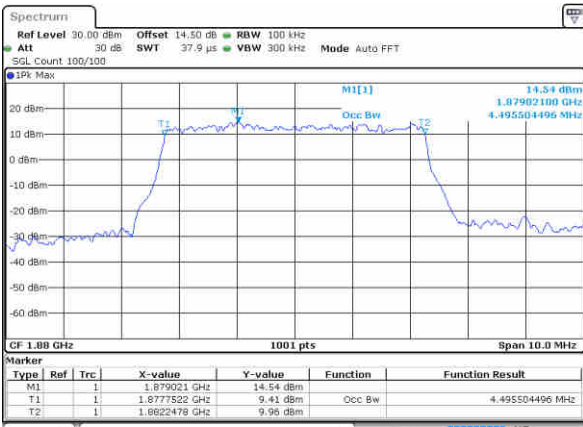
Date: 30 JUN 2018 15:38:28

Lowest Channel / 5MHz / 16QAM



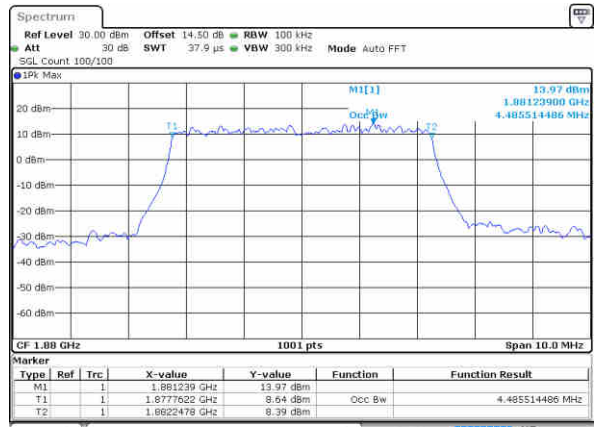
Date: 30 JUN 2018 15:38:38

Middle Channel / 5MHz / QPSK



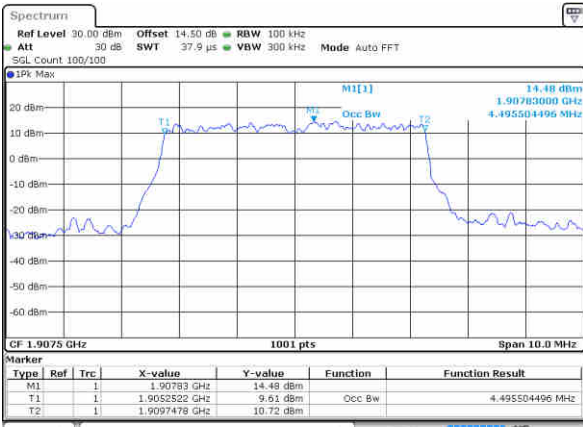
Date: 30 JUN 2018 15:45:28

Middle Channel / 5MHz / 16QAM



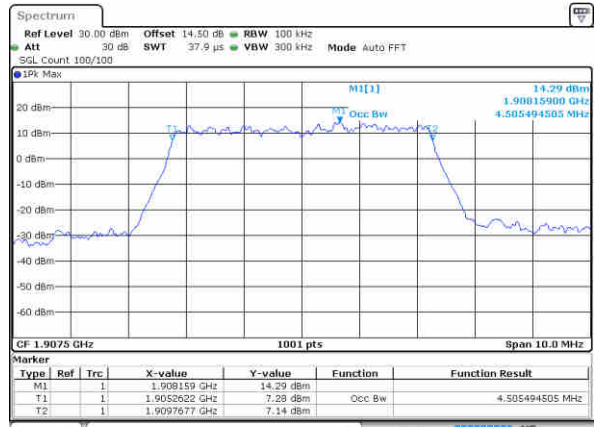
Date: 30 JUN 2018 15:45:38

Highest Channel / 5MHz / QPSK



Date: 30 JUN 2018 15:47:56

Highest Channel / 5MHz / 16QAM

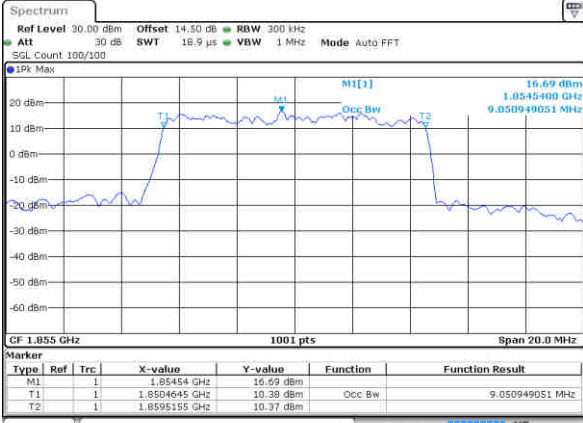


Date: 30 JUN 2018 15:48:06



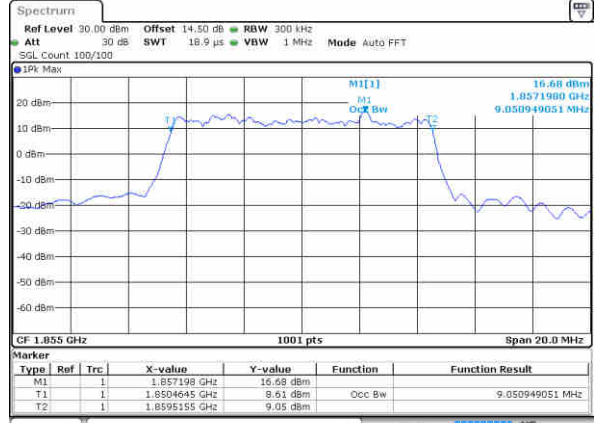
LTE Band 2

Lowest Channel / 10MHz / QPSK



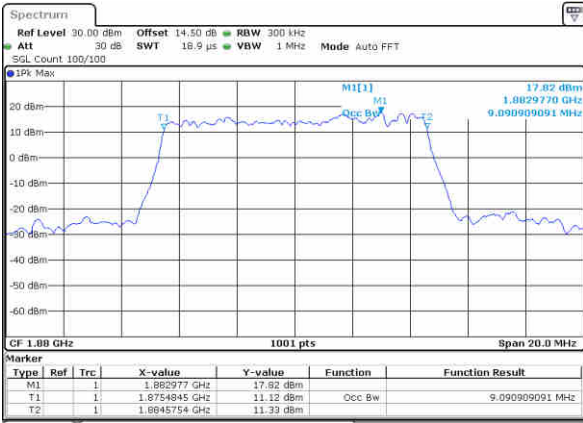
Date: 30 JUN 2018 16:09:34

Lowest Channel / 10MHz / 16QAM



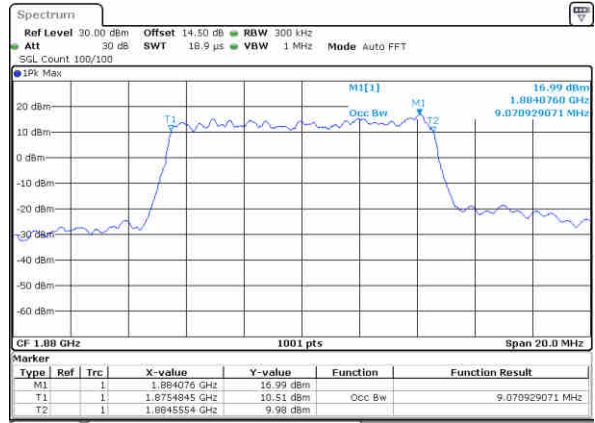
Date: 30 JUN 2018 16:09:44

Middle Channel / 10MHz / QPSK



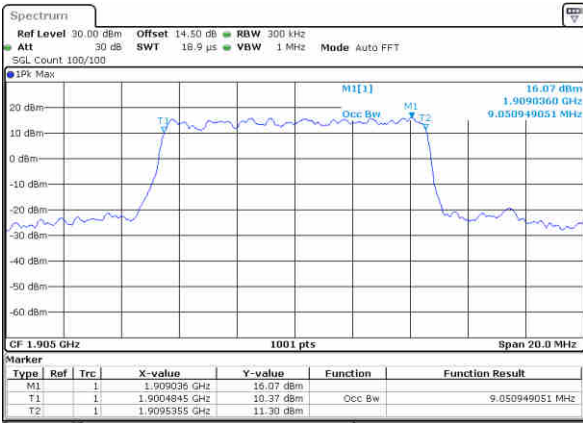
Date: 30 JUN 2018 16:16:34

Middle Channel / 10MHz / 16QAM



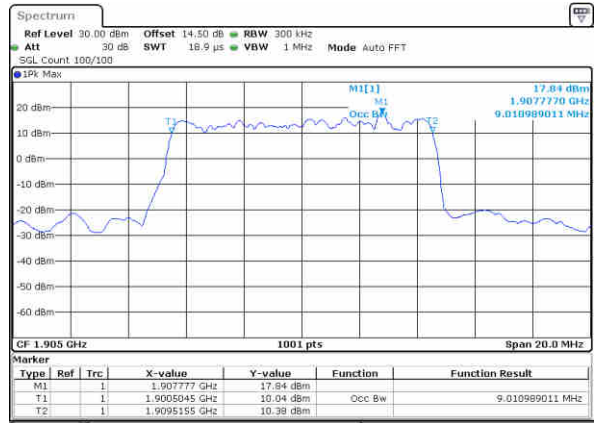
Date: 30 JUN 2018 16:16:44

Highest Channel / 10MHz / QPSK



Date: 30 JUN 2018 16:19:01

Highest Channel / 10MHz / 16QAM

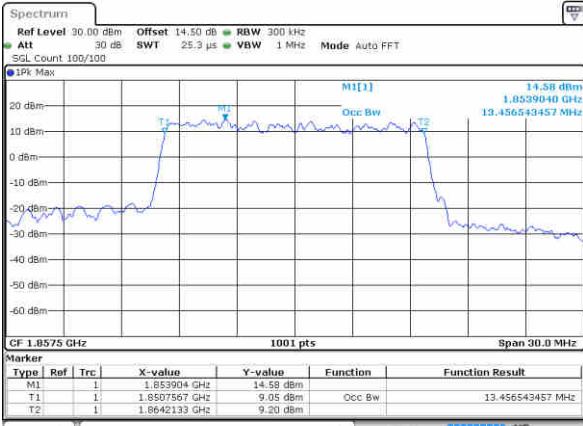


Date: 30 JUN 2018 16:19:11



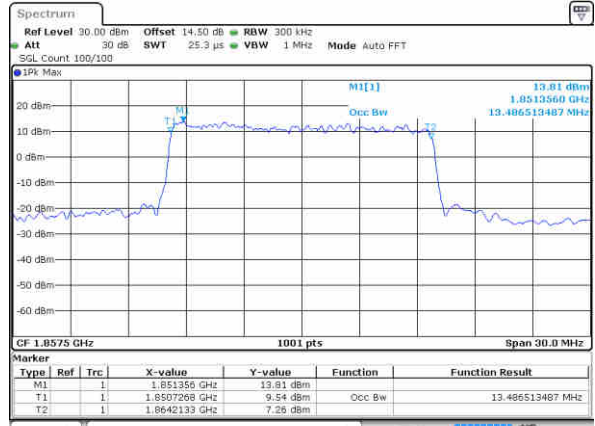
LTE Band 2

Lowest Channel / 15MHz / QPSK



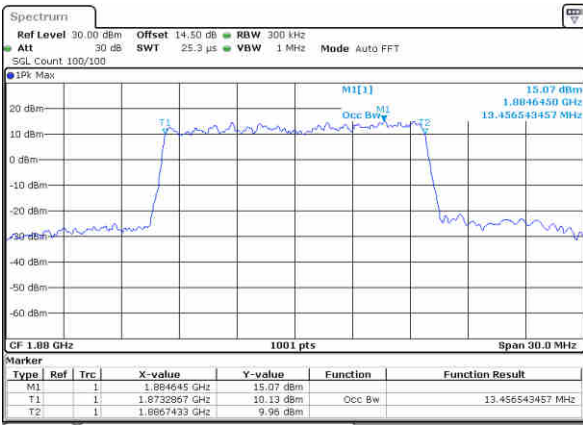
Date: 30 JUN 2016 16:43:45

Lowest Channel / 15MHz / 16QAM



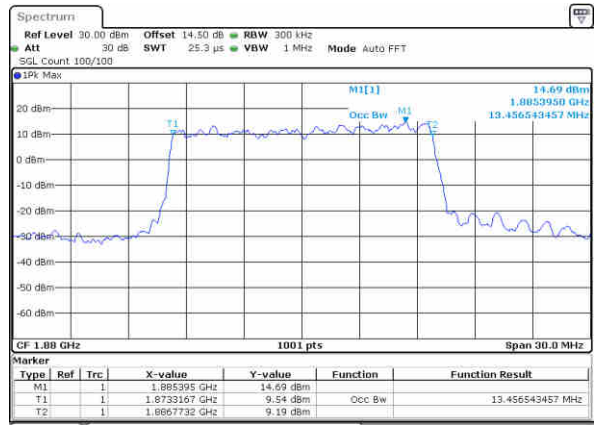
Date: 30 JUN 2016 16:43:55

Middle Channel / 15MHz / QPSK



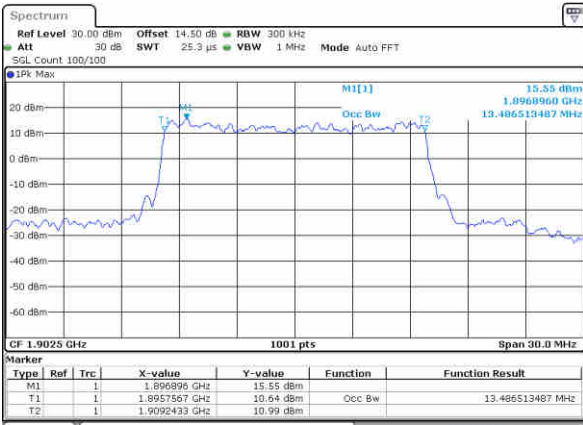
Date: 30 JUN 2016 16:50:44

Middle Channel / 15MHz / 16QAM



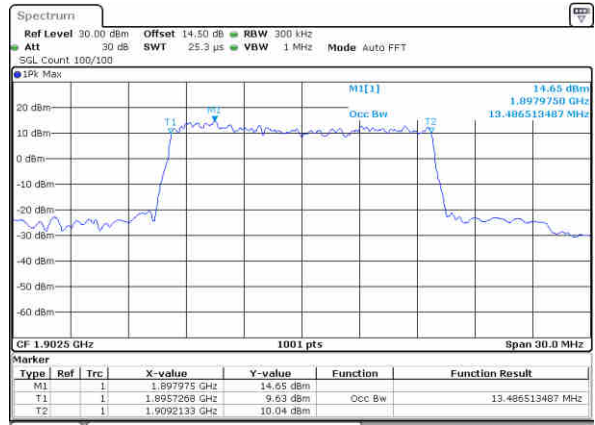
Date: 30 JUN 2016 16:50:53

Highest Channel / 15MHz / QPSK



Date: 30 JUN 2016 16:53:10

Highest Channel / 15MHz / 16QAM

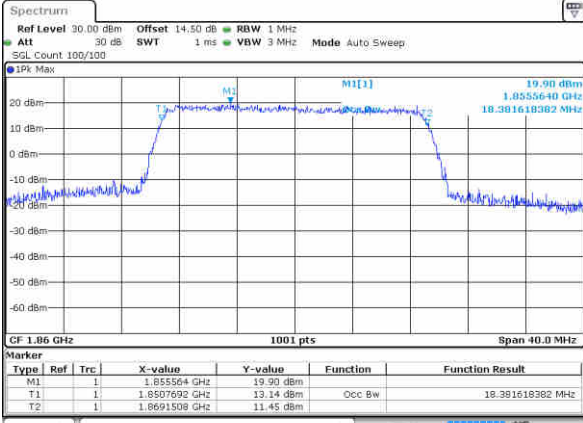


Date: 30 JUN 2016 16:53:20



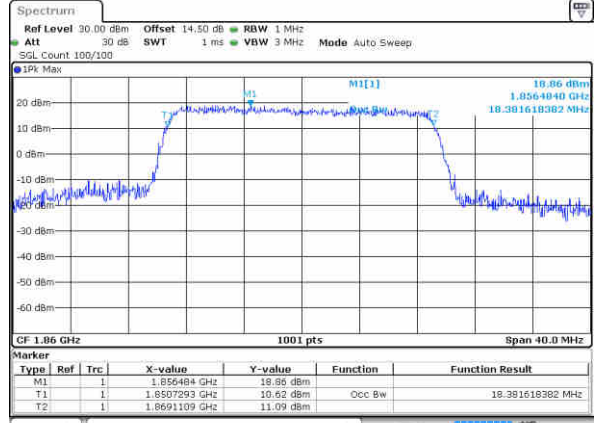
LTE Band 2

Lowest Channel / 20MHz / QPSK



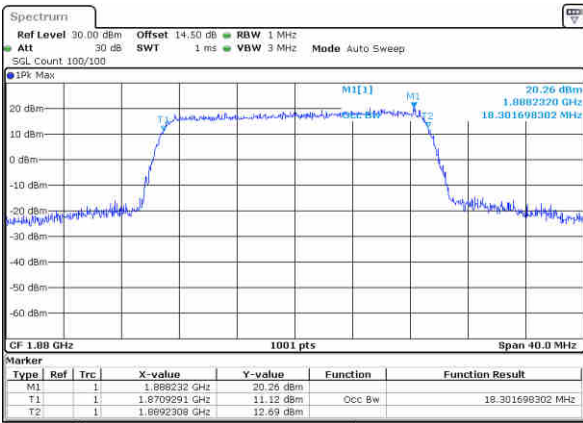
Date: 30 JUN 2016 17:06:49

Lowest Channel / 20MHz / 16QAM



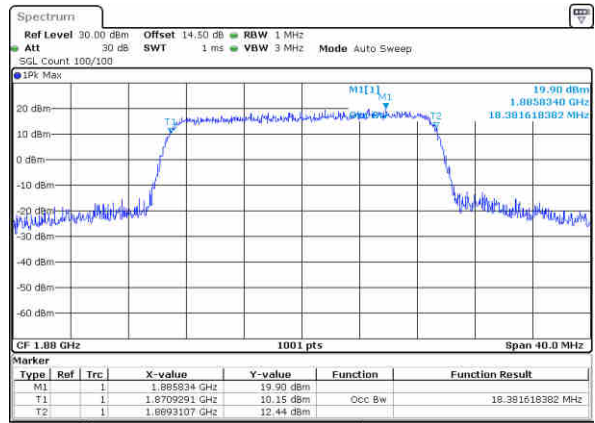
Date: 30 JUN 2016 17:06:59

Middle Channel / 20MHz / QPSK



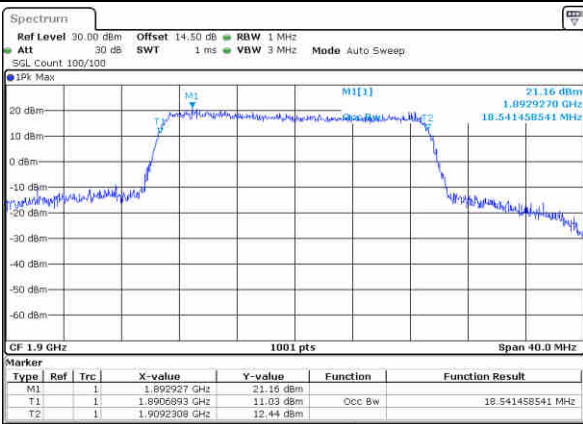
Date: 30 JUN 2016 17:13:48

Middle Channel / 20MHz / 16QAM



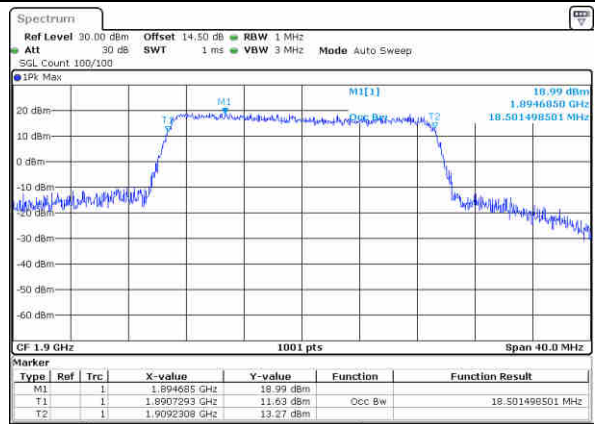
Date: 30 JUN 2016 17:13:58

Highest Channel / 20MHz / QPSK



Date: 30 JUN 2016 17:16:14

Highest Channel / 20MHz / 16QAM

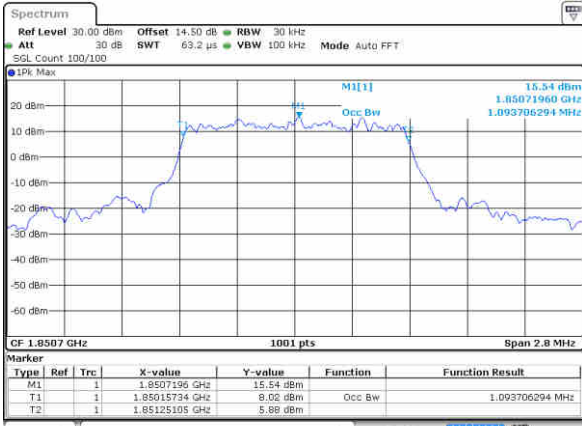


Date: 30 JUN 2016 17:16:24



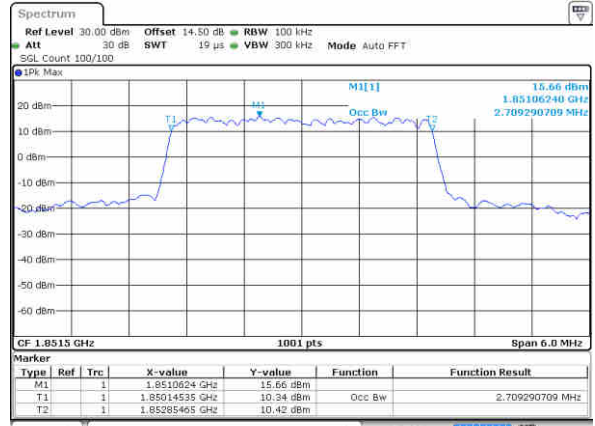
LTE Band 2

Lowest Channel / 1.4MHz / 64QAM



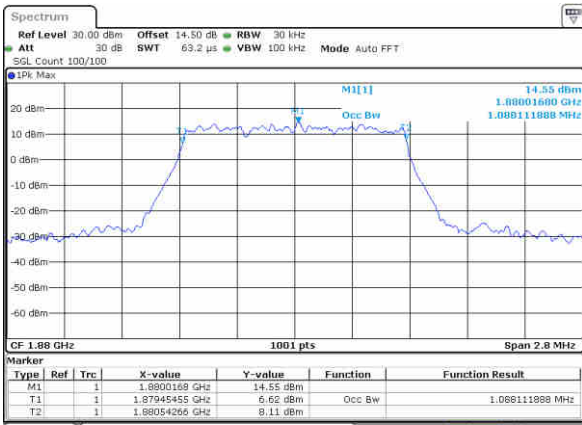
Date: 30 JUN 2016 17:33:30

Lowest Channel / 3MHz / 64QAM



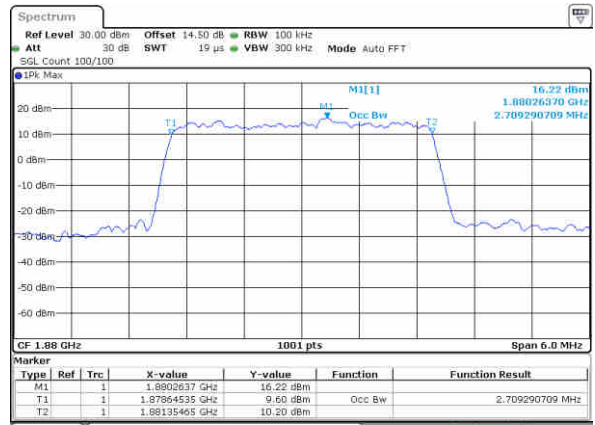
Date: 30 JUN 2016 17:41:45

Middle Channel / 1.4MHz / 64QAM



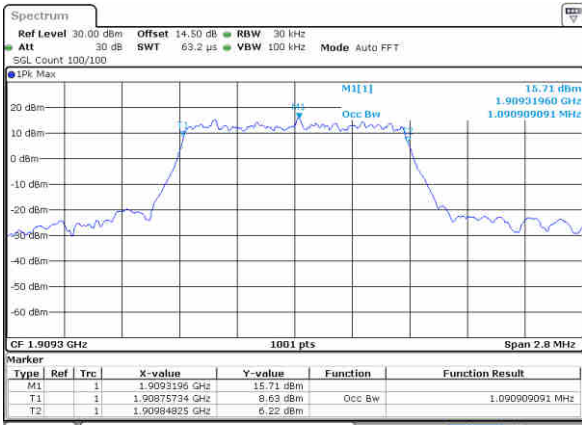
Date: 30 JUN 2016 17:37:00

Middle Channel / 3MHz / 64QAM



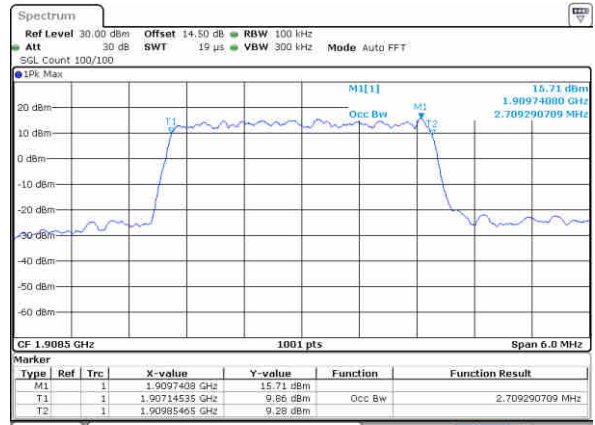
Date: 30 JUN 2016 17:45:16

Highest Channel / 1.4MHz / 64QAM



Date: 30 JUN 2016 17:38:14

Highest Channel / 3MHz / 64QAM

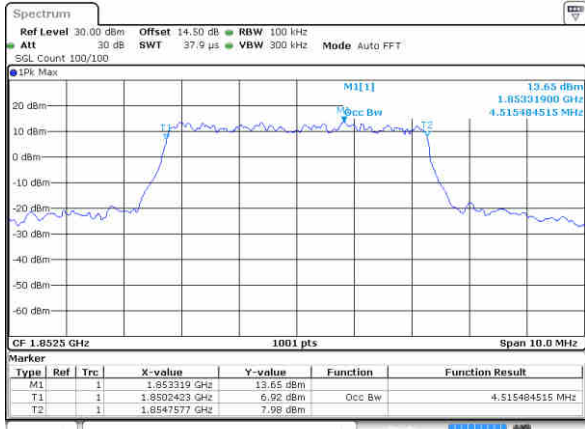


Date: 30 JUN 2016 17:46:30



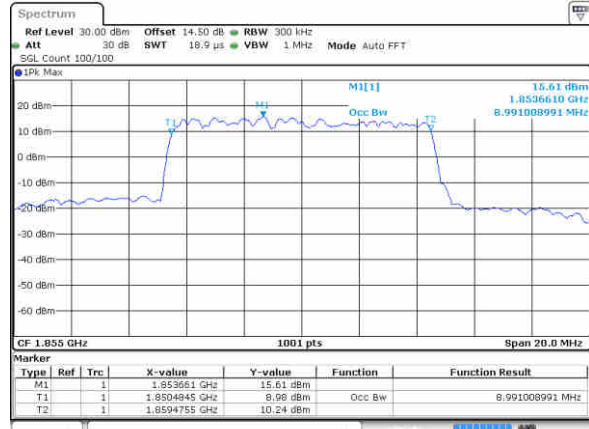
LTE Band 2

Lowest Channel / 5MHz / 64QAM



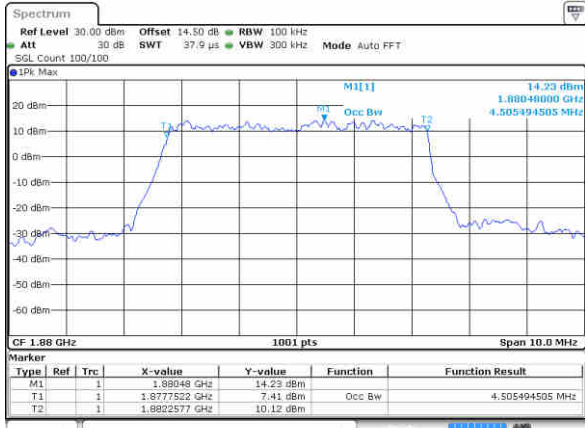
Date: 30 JUN 2016 17:50:02

Lowest Channel / 10MHz / 64QAM



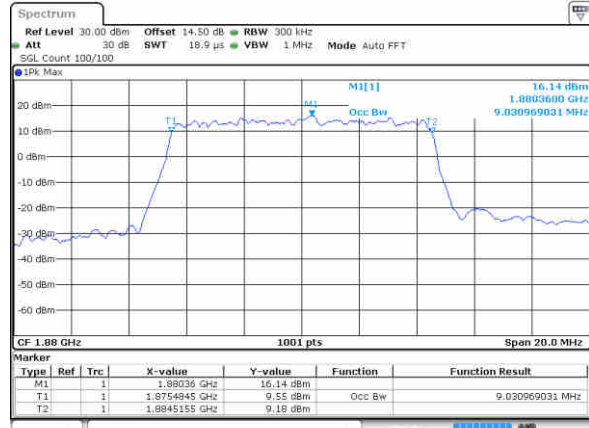
Date: 30 JUN 2016 17:58:18

Middle Channel / 5MHz / 64QAM



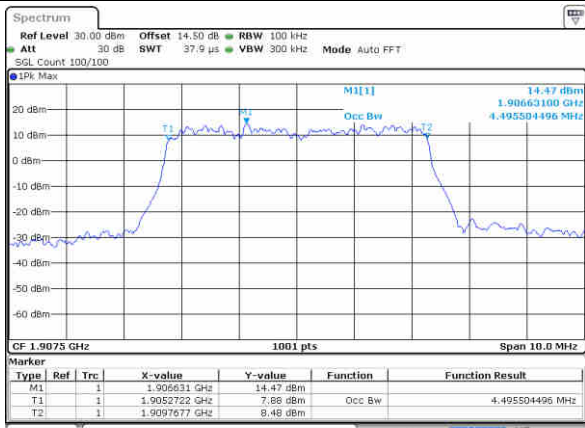
Date: 30 JUN 2016 17:53:32

Middle Channel / 10MHz / 64QAM



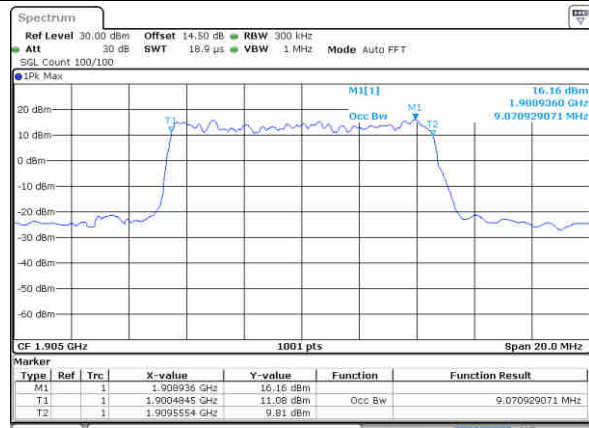
Date: 30 JUN 2016 18:01:49

Highest Channel / 5MHz / 64QAM



Date: 30 JUN 2016 17:54:47

Highest Channel / 10MHz / 64QAM



Date: 30 JUN 2016 18:03:03