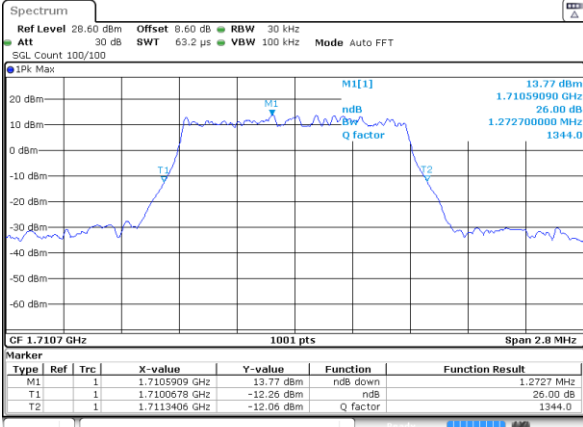




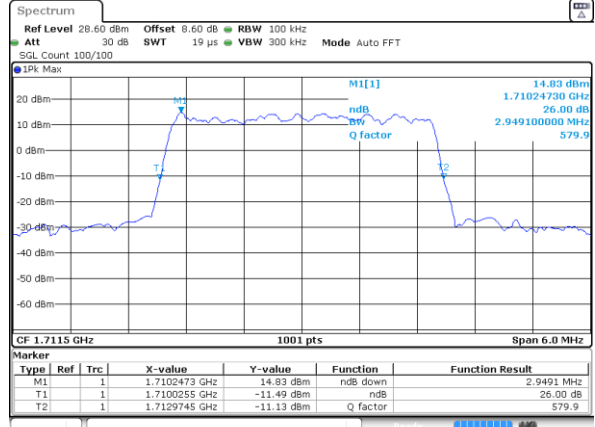
LTE Band 66

Lowest Channel / 1.4MHz / 64QAM



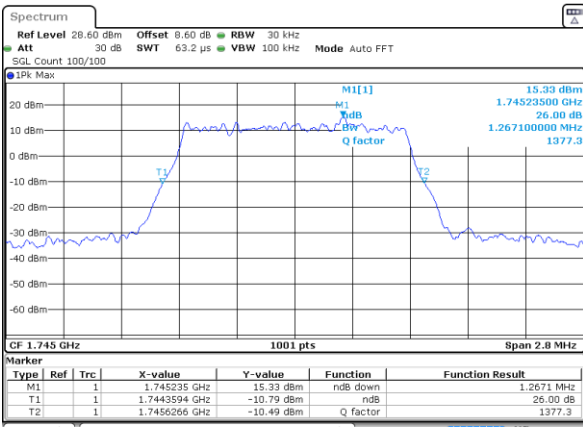
Date: 2 JUL 2019 15:46:34

Lowest Channel / 3MHz / 64QAM



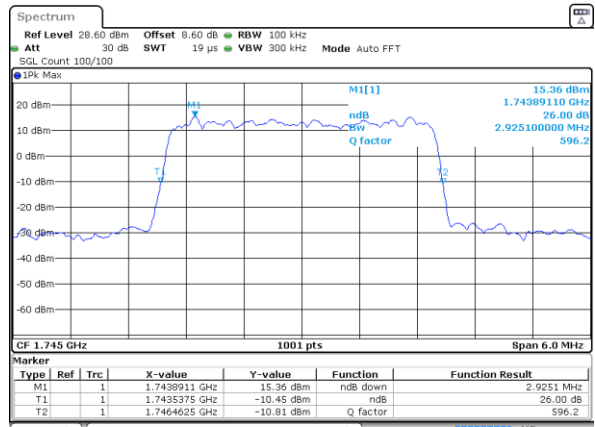
Date: 2 JUL 2019 16:44:39

Middle Channel / 20MHz / 64QAM



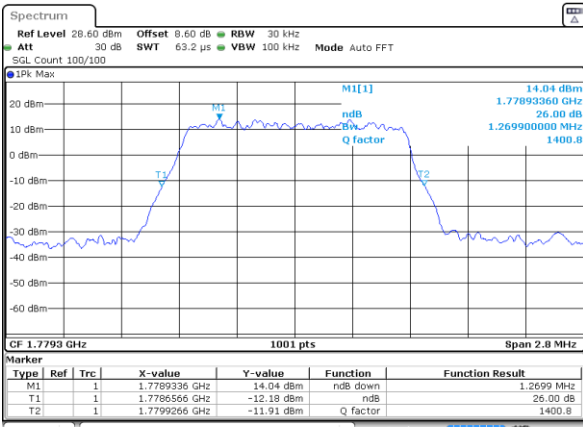
Date: 2 JUL 2019 16:28:46

Middle Channel / 3MHz / 64QAM



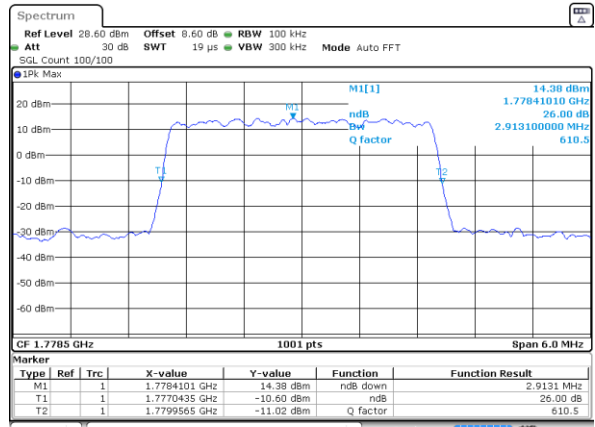
Date: 2 JUL 2019 16:50:24

Highest Channel / 20MHz / 64QAM



Date: 2 JUL 2019 16:29:41

Highest Channel / 3MHz / 64QAM

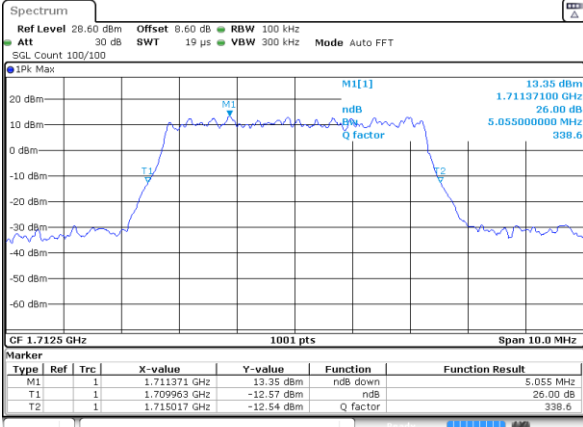


Date: 2 JUL 2019 17:01:36



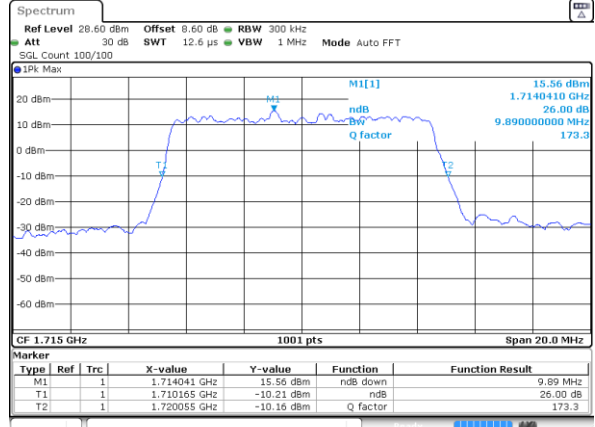
LTE Band 66

Lowest Channel / 5MHz / 64QAM



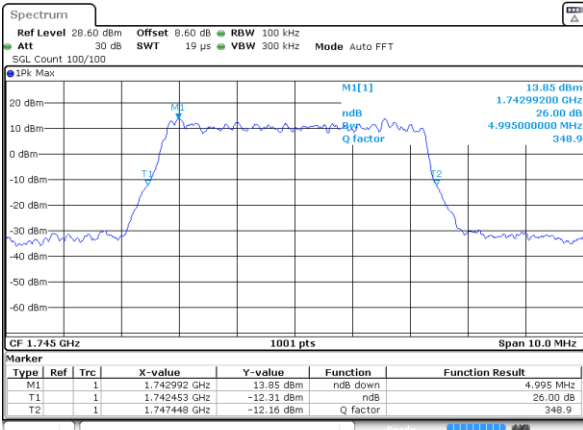
Date: 2 JUL 2019 17:05:00

Lowest Channel / 10MHz / 64QAM



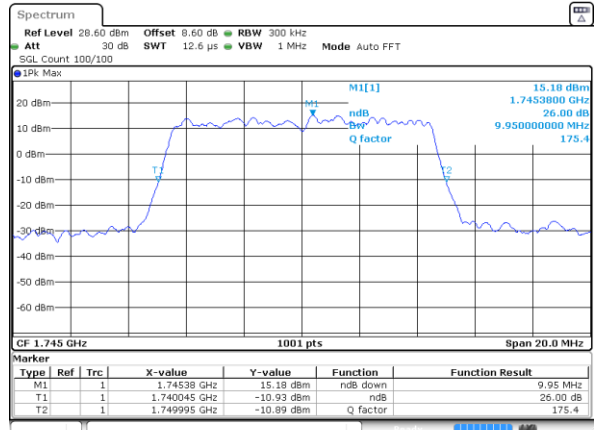
Date: 2 JUL 2019 17:22:08

Middle Channel / 5MHz / 64QAM



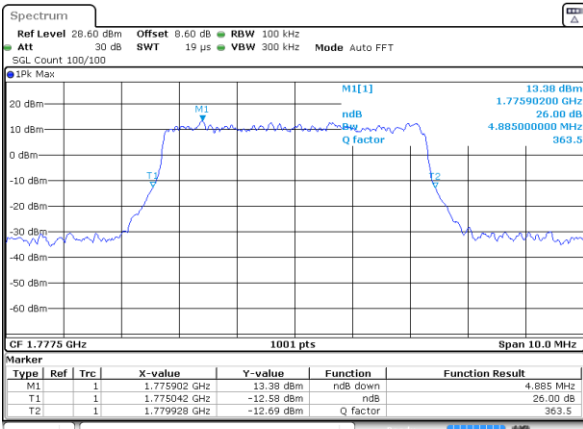
Date: 2 JUL 2019 17:11:38

Middle Channel / 10MHz / 64QAM



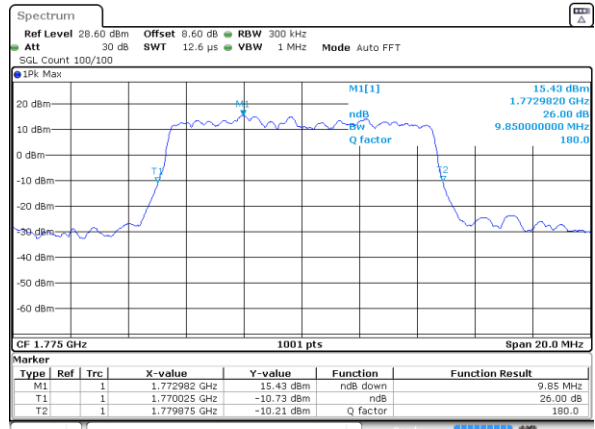
Date: 2 JUL 2019 17:27:41

Highest Channel / 5MHz / 64QAM



Date: 2 JUL 2019 17:15:15

Highest Channel / 10MHz / 64QAM

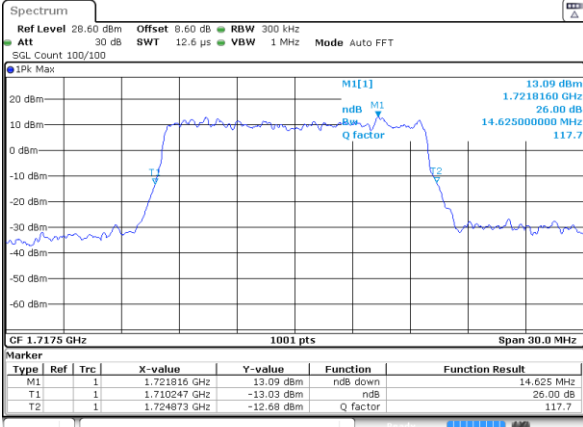


Date: 2 JUL 2019 17:30:14



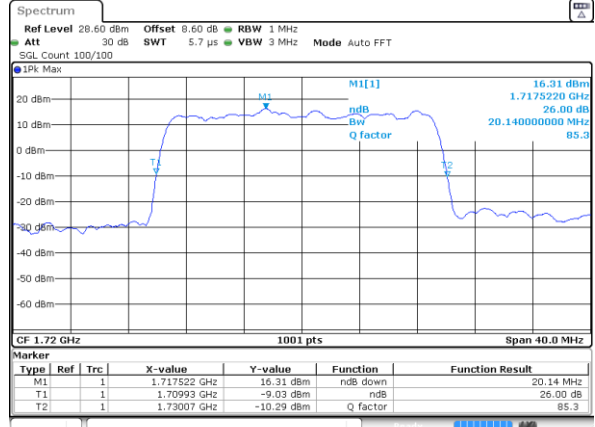
LTE Band 66

Lowest Channel / 15MHz / 64QAM



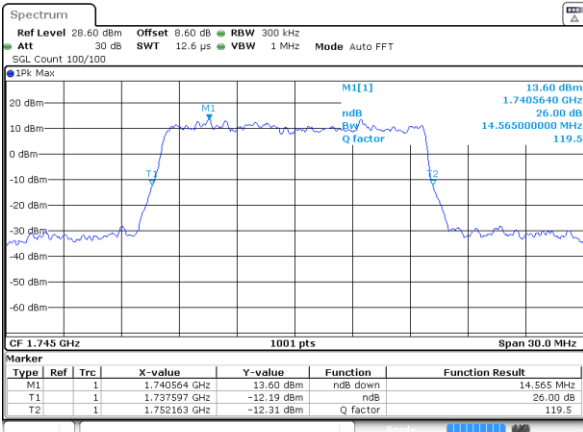
Date: 2 JUL 2019 17:56:26

Lowest Channel / 20MHz / 64QAM



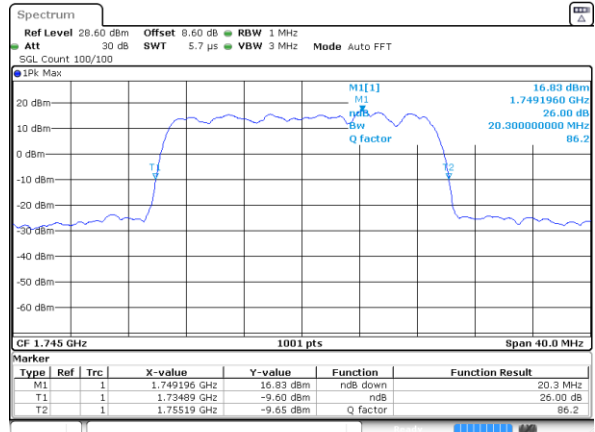
Date: 2 JUL 2019 18:44:46

Middle Channel / 15MHz / 64QAM



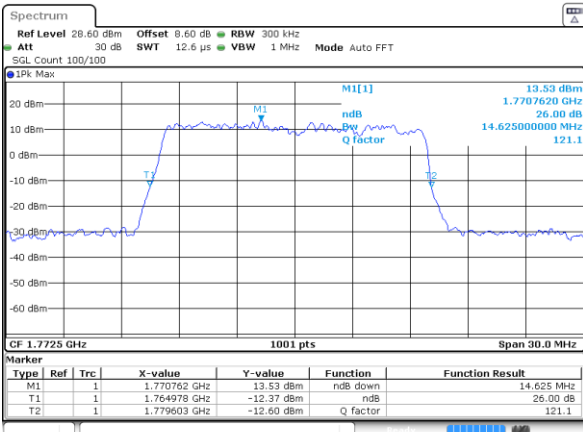
Date: 2 JUL 2019 18:35:28

Middle Channel / 20MHz / 64QAM



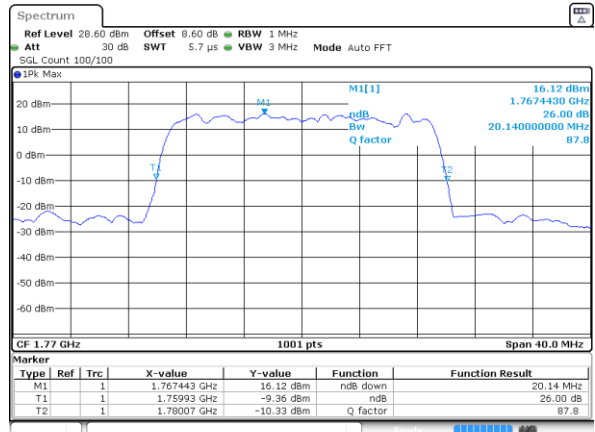
Date: 2 JUL 2019 18:51:24

Highest Channel / 15MHz / 64QAM



Date: 2 JUL 2019 18:38:16

Highest Channel / 20MHz / 64QAM



Date: 2 JUL 2019 18:54:23



**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	1.09	1.09	2.7	2.71	4.51	4.49	9.03	9.05	13.52	13.49	18.34	18.38
Middle CH	1.09	1.1	2.7	2.72	4.51	4.5	9.07	8.99	13.52	13.52	18.3	18.38
Highest CH	1.09	1.09	2.72	2.73	4.52	4.49	9.03	9.05	13.4	13.43	18.34	18.42
Mode	LTE Band 2 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.09		2.72		4.51		9.03		13.49		18.46	
Middle CH	1.08		2.72		4.52		9.05		13.4		18.3	
Highest CH	1.09		2.72		4.5		8.99		13.46		18.46	

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	1.10	1.10	2.73	2.72	4.50	4.53	9.05	8.99				
Middle CH	1.09	1.10	2.70	2.71	4.51	4.51	9.05	8.99				
Highest CH	1.10	1.09	2.70	2.69	4.50	4.50	9.07	9.01				
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.09		2.72		4.49		9.15					
Middle CH	1.09		2.70		4.52		9.07					
Highest CH	1.09		2.72		4.51		9.03					



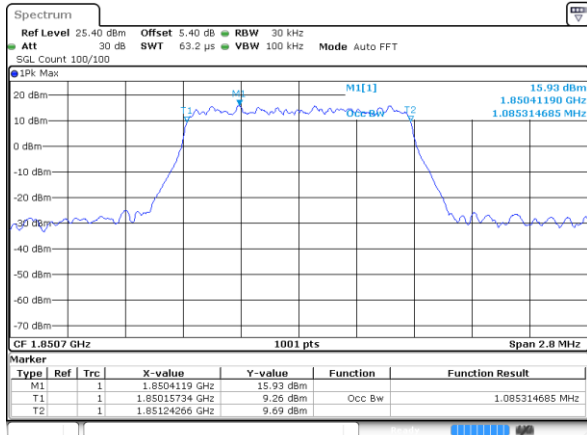
Mode	LTE Band 7 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.50	4.49	9.03	9.01	13.43	13.37	18.50	18.38
Middle CH	-	-	-	-	4.48	4.50	9.03	9.05	13.46	13.43	18.50	18.42
Highest CH	-	-	-	-	4.49	4.50	8.99	9.03	13.46	13.52	18.34	18.30
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.					64QAM		64QAM		64QAM		64QAM	
Lowest CH					4.49		9.01		13.46		18.34	
Middle CH					4.50		9.05		13.43		18.38	
Highest CH	-	-	-	-	4.49		8.99		13.43		18.46	

Mode	LTE Band 66 : 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	8.99	9.03	13.49	13.46	18.22	18.50
Middle CH	1.09	1.09	2.71	2.70	4.52	4.48	9.05	9.03	13.43	13.49	18.50	18.54
Highest CH	1.09	1.08	2.70	2.72	4.48	4.50	9.07	9.07	13.52	13.49	18.58	18.50
Mode	LTE Band 66 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.10		2.72		4.51		9.05		13.46		18.46	
Middle CH	1.09		2.72		4.51		8.99		13.49		18.50	
Highest CH	1.09		2.72		4.51		9.01		13.49		18.42	



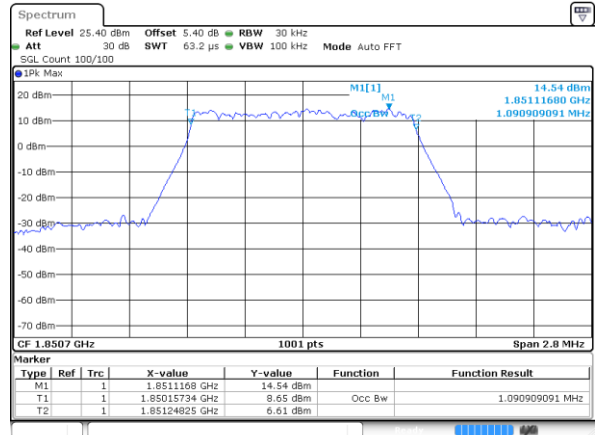
LTE Band 2

Lowest Channel / 1.4MHz / QPSK



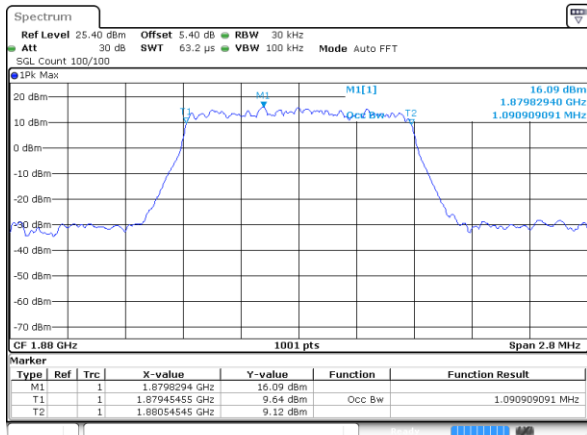
Date: 21 JUN 2019 21:03:41

Lowest Channel / 1.4MHz / 16QAM



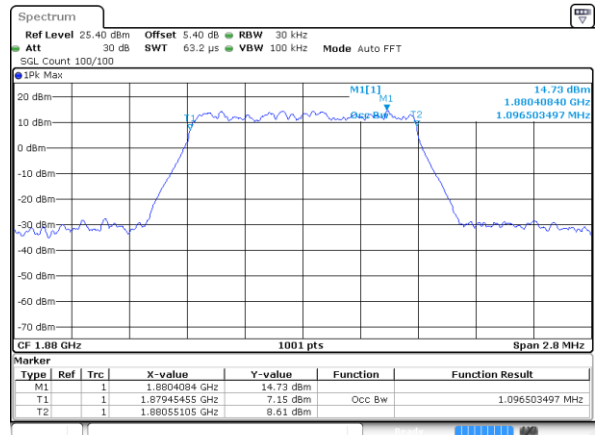
Date: 21 JUN 2019 21:03:51

Middle Channel / 1.4MHz / QPSK



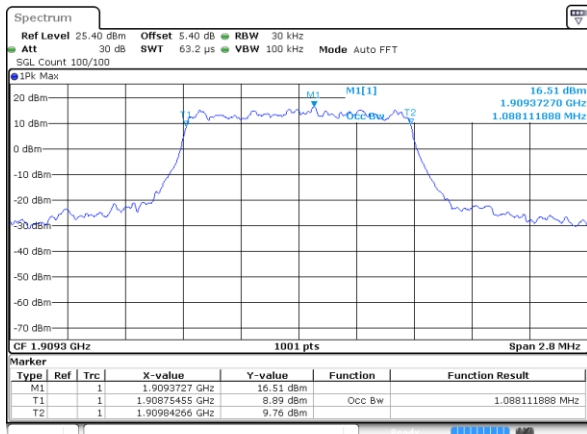
Date: 21 JUN 2019 21:10:42

Middle Channel / 1.4MHz / 16QAM



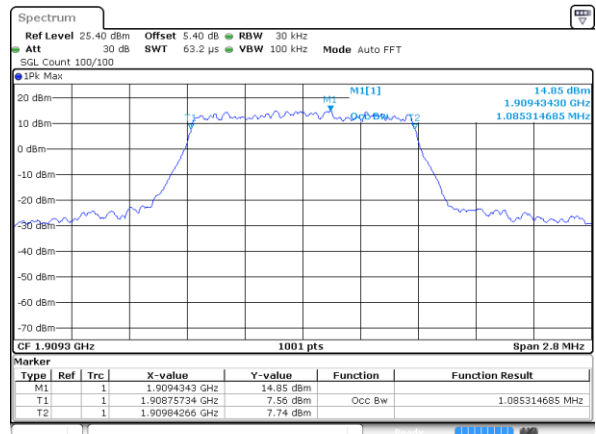
Date: 21 JUN 2019 21:10:52

Highest Channel / 1.4MHz / QPSK



Date: 21 JUN 2019 21:13:12

Highest Channel / 1.4MHz / 16QAM

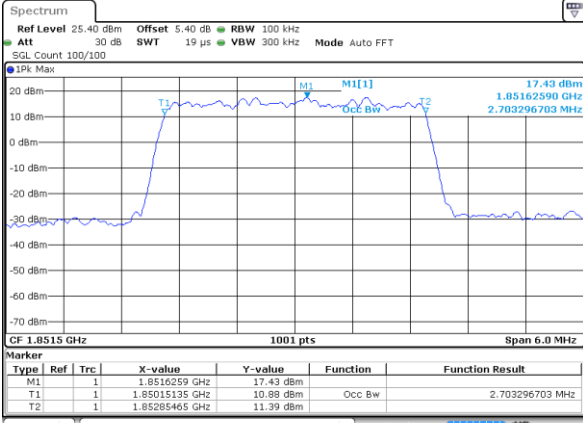


Date: 21 JUN 2019 21:13:22



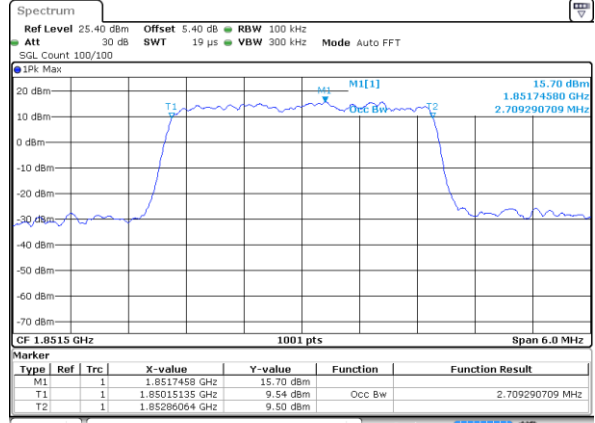
LTE Band 2

Lowest Channel / 3MHz / QPSK



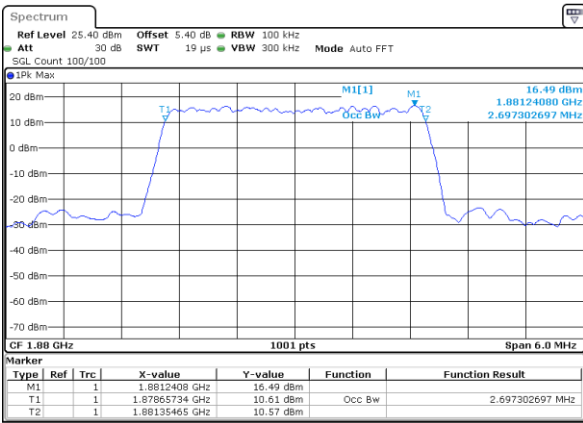
Date: 21 JUN 2019 21:20:12

Lowest Channel / 3MHz / 16QAM



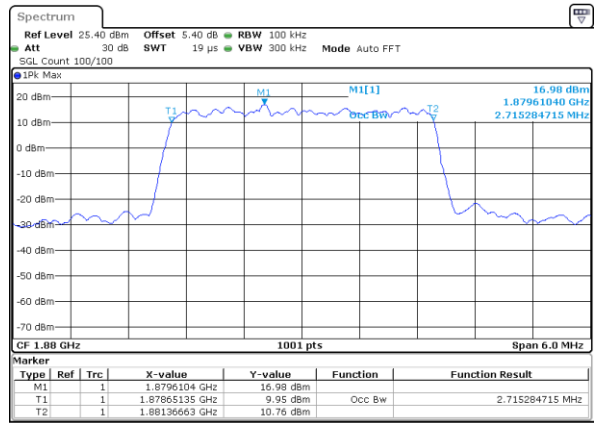
Date: 21 JUN 2019 21:20:22

Middle Channel / 3MHz / QPSK



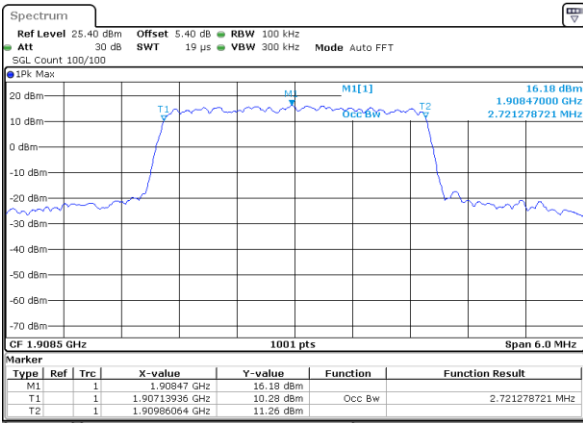
Date: 21 JUN 2019 21:27:12

Middle Channel / 3MHz / 16QAM



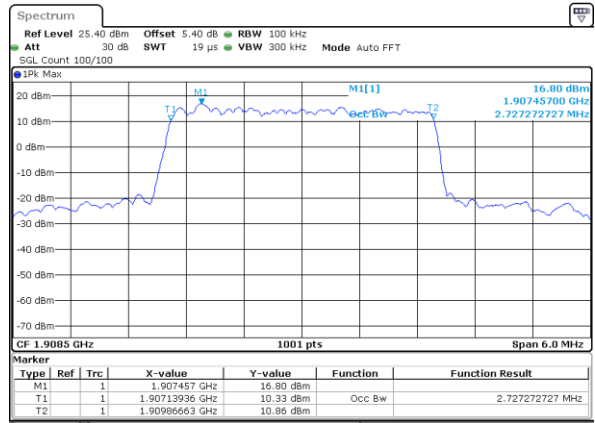
Date: 21 JUN 2019 21:27:22

Highest Channel / 3MHz / QPSK



Date: 21 JUN 2019 21:29:42

Highest Channel / 3MHz / 16QAM

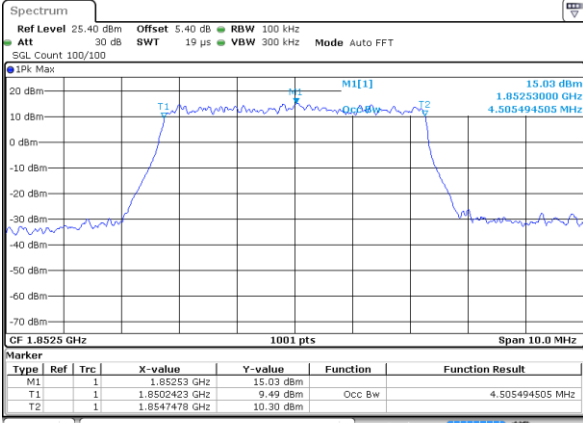


Date: 21 JUN 2019 21:29:52



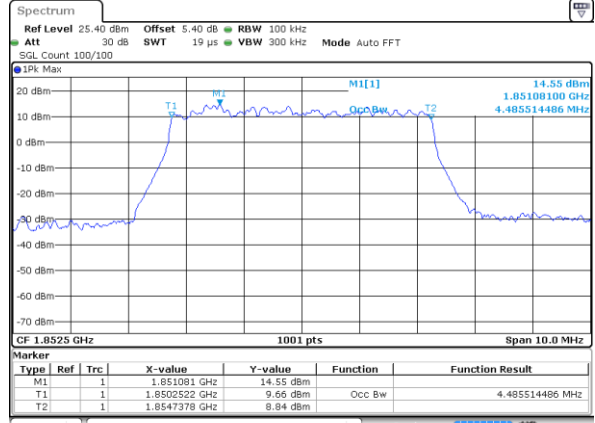
LTE Band 2

Lowest Channel / 5MHz / QPSK



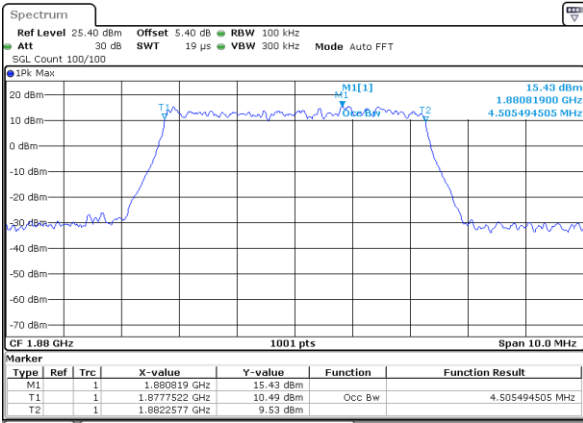
Date: 21 JUN 2019 23:56:06

Lowest Channel / 5MHz / 16QAM



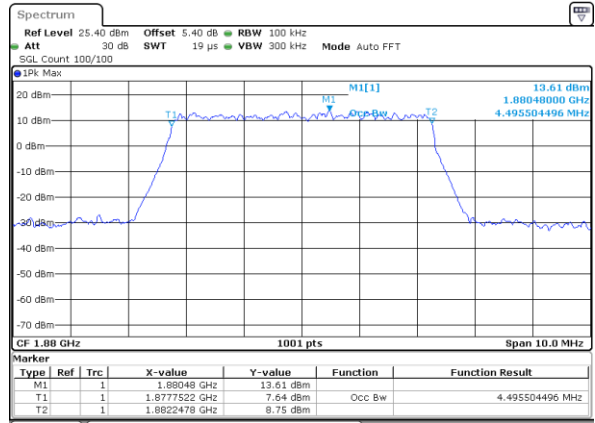
Date: 21 JUN 2019 21:36:52

Middle Channel / 5MHz / QPSK



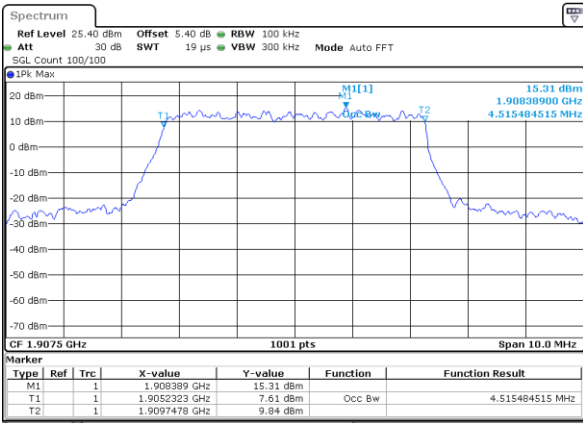
Date: 21 JUN 2019 21:43:42

Middle Channel / 5MHz / 16QAM



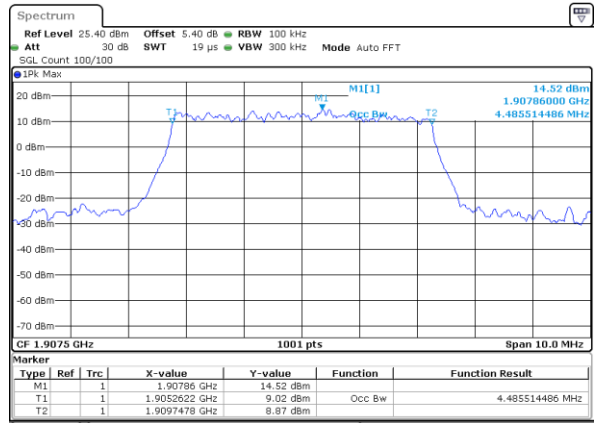
Date: 21 JUN 2019 21:43:52

Highest Channel / 5MHz / QPSK



Date: 21 JUN 2019 21:46:12

Highest Channel / 5MHz / 16QAM



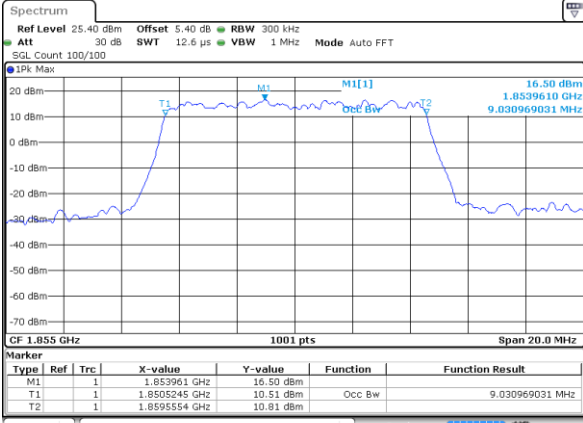
Date: 21 JUN 2019 21:46:22





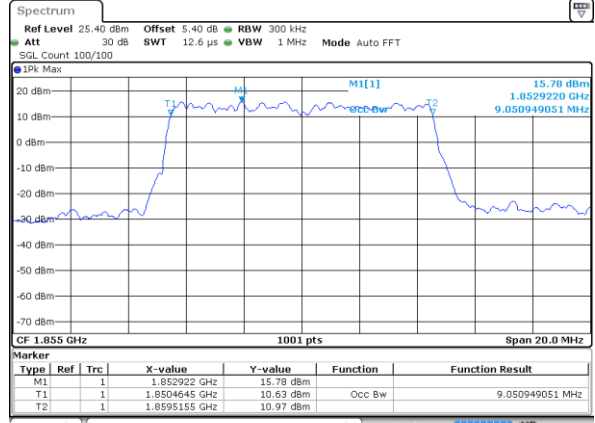
LTE Band 2

Lowest Channel / 10MHz / QPSK



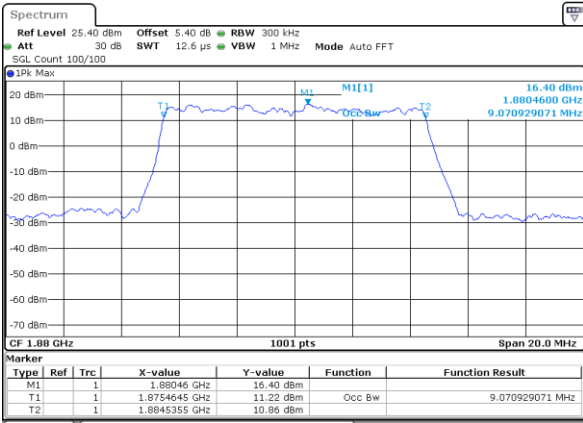
Date: 21 JUN 2019 21:53:12

Lowest Channel / 10MHz / 16QAM



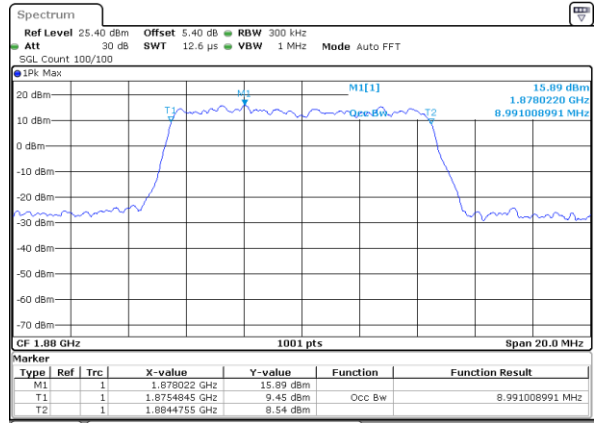
Date: 21 JUN 2019 21:53:22

Middle Channel / 10MHz / QPSK



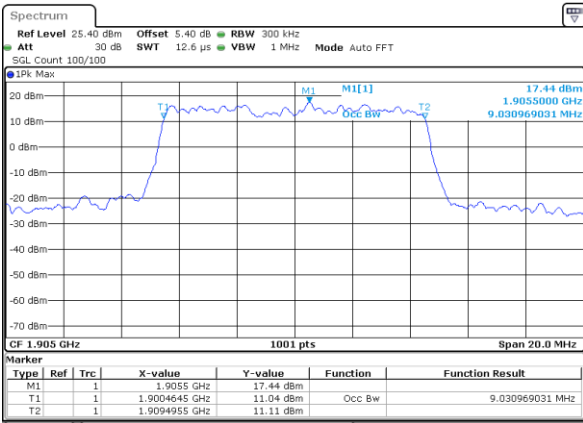
Date: 21 JUN 2019 23:59:51

Middle Channel / 10MHz / 16QAM



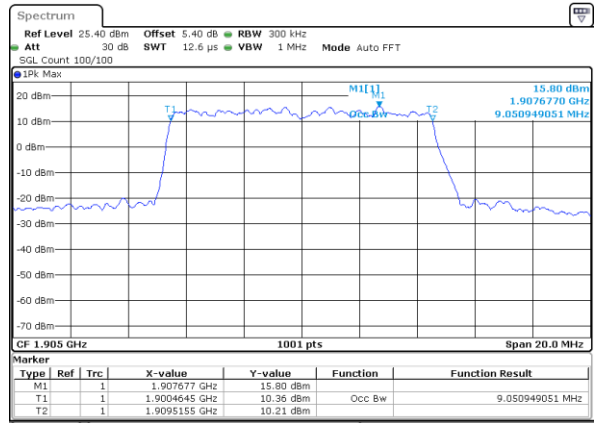
Date: 21 JUN 2019 22:02:22

Highest Channel / 10MHz / QPSK



Date: 21 JUN 2019 22:02:42

Highest Channel / 10MHz / 16QAM

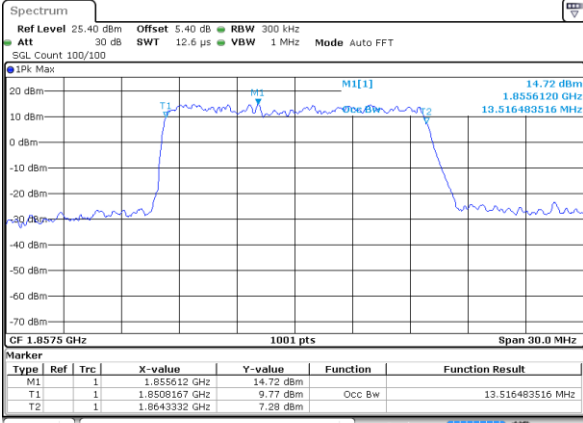


Date: 21 JUN 2019 22:02:53



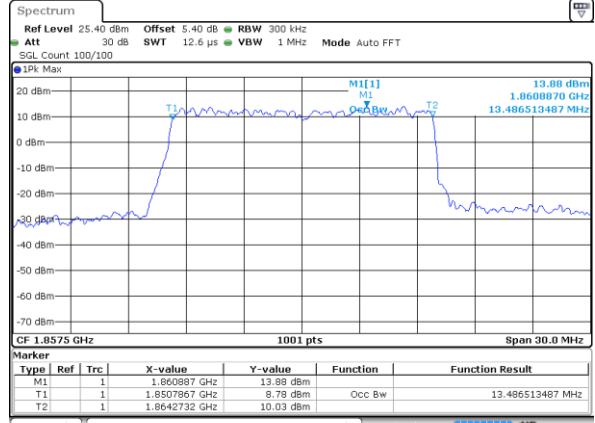
LTE Band 2

Lowest Channel / 15MHz / QPSK



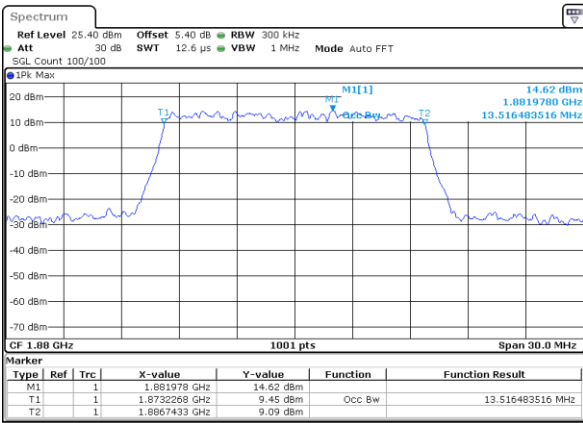
Date: 21 JUN 2019 22:09:43

Lowest Channel / 15MHz / 16QAM



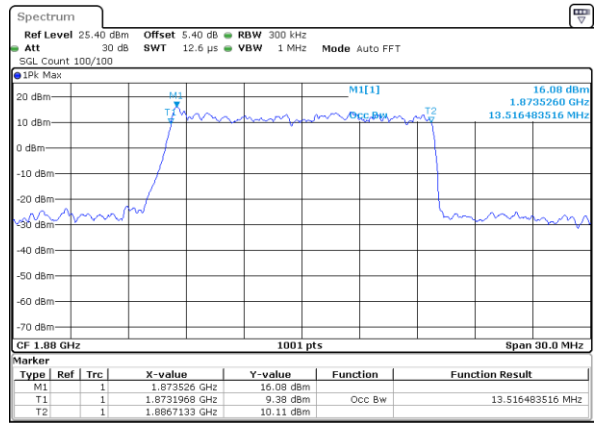
Date: 21 JUN 2019 22:09:53

Middle Channel / 15MHz / QPSK



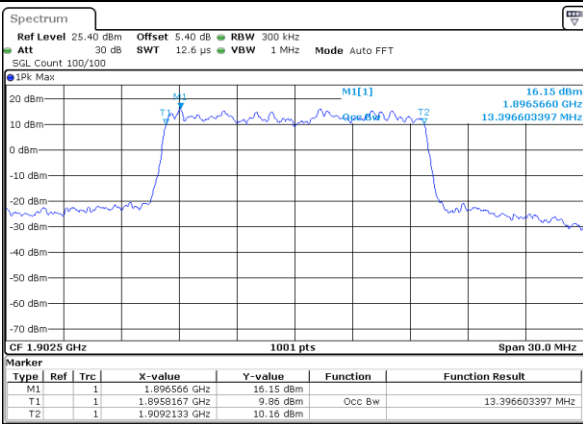
Date: 21 JUN 2019 22:16:42

Middle Channel / 15MHz / 16QAM



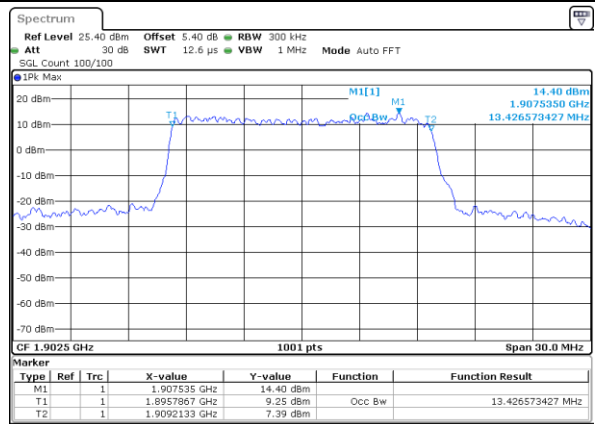
Date: 21 JUN 2019 22:16:53

Highest Channel / 15MHz / QPSK



Date: 21 JUN 2019 22:19:12

Highest Channel / 15MHz / 16QAM

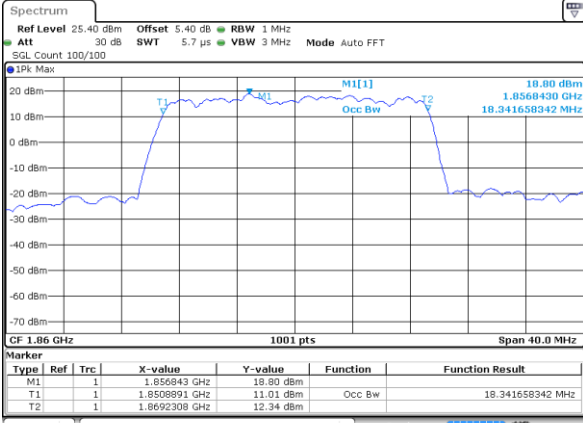


Date: 21 JUN 2019 22:19:23



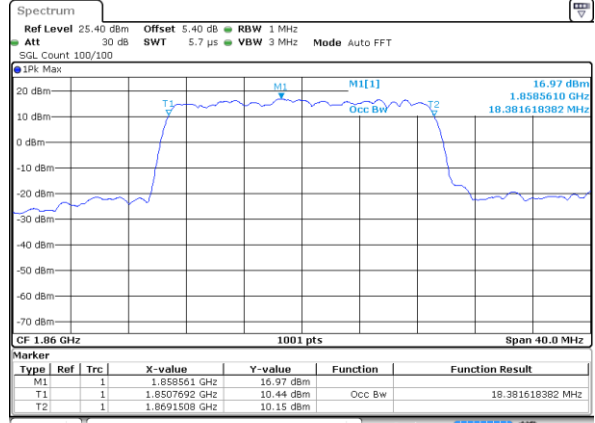
LTE Band 2

Lowest Channel / 20MHz / QPSK



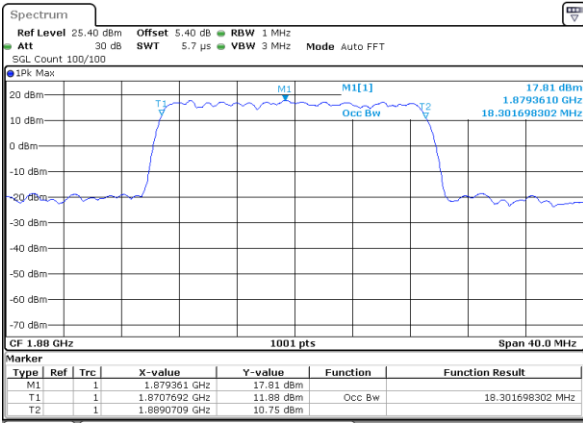
Date: 21 JUN 2019 22:28:13

Lowest Channel / 20MHz / 16QAM



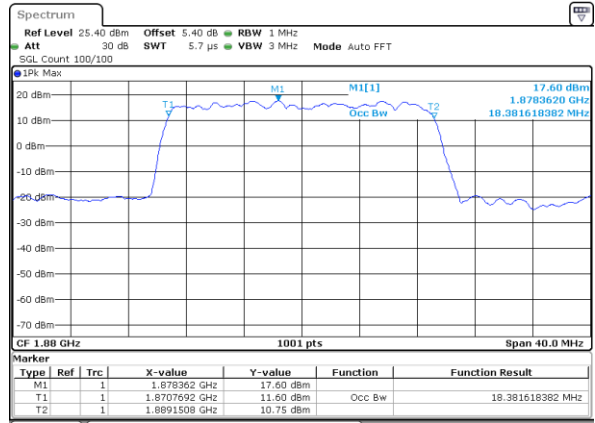
Date: 21 JUN 2019 22:26:23

Middle Channel / 20MHz / QPSK



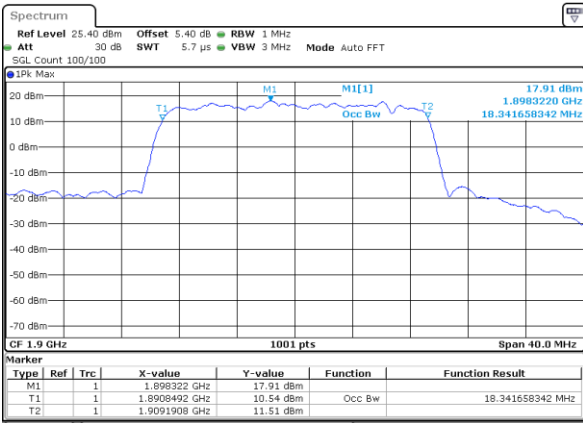
Date: 21 JUN 2019 22:33:13

Middle Channel / 20MHz / 16QAM



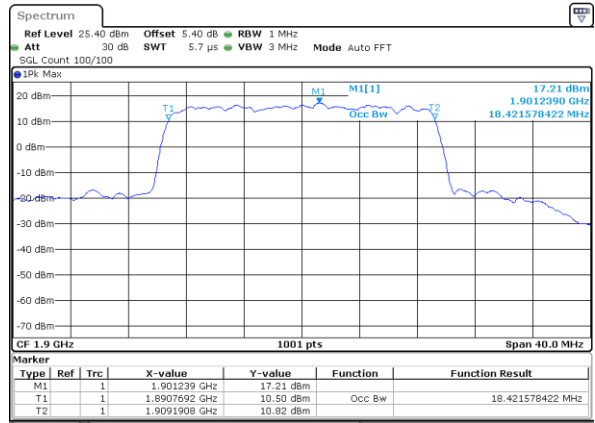
Date: 21 JUN 2019 22:33:23

Highest Channel / 20MHz / QPSK



Date: 21 JUN 2019 22:35:42

Highest Channel / 20MHz / 16QAM

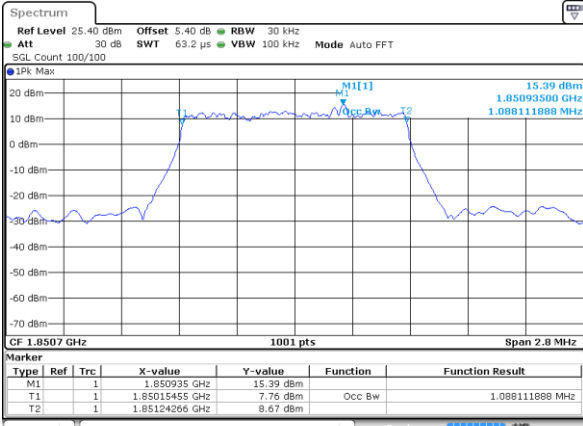


Date: 21 JUN 2019 22:35:53



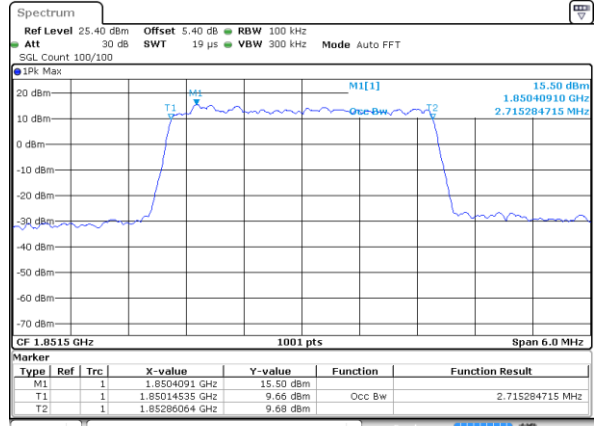
LTE Band 2

Lowest Channel / 1.4MHz / 64QAM



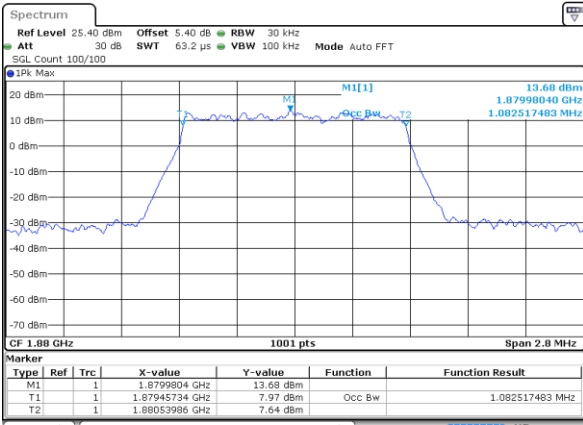
Date: 21 JUN 2019 22:43:42

Lowest Channel / 3MHz / 64QAM



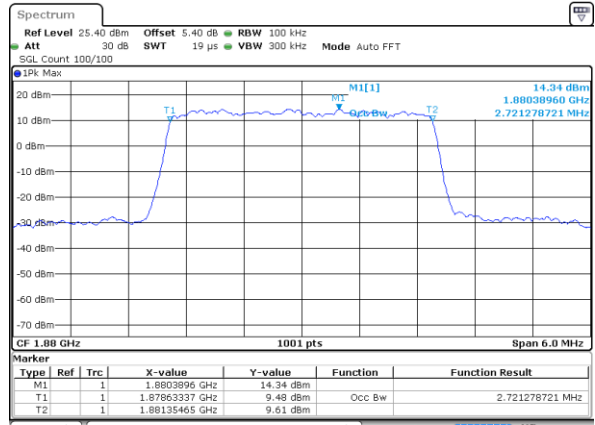
Date: 21 JUN 2019 22:44:12

Middle Channel / 1.4MHz / 64QAM



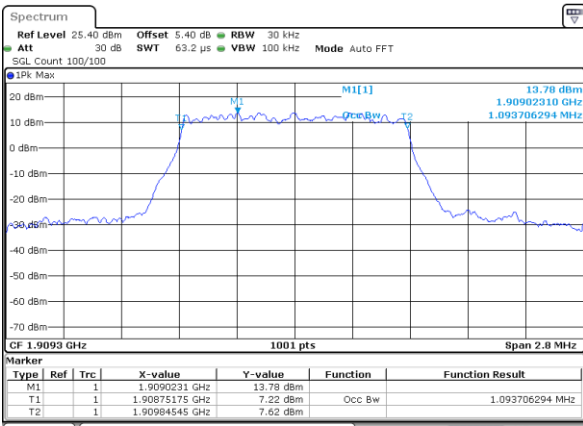
Date: 21 JUN 2019 22:43:52

Middle Channel / 3MHz / 64QAM



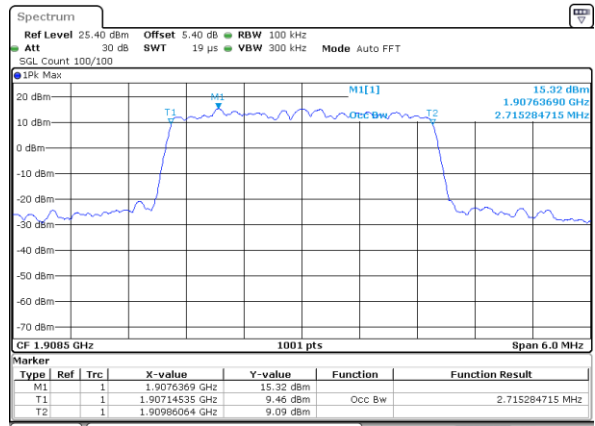
Date: 21 JUN 2019 22:44:22

Highest Channel / 1.4MHz / 64QAM



Date: 21 JUN 2019 22:44:02

Highest Channel / 3MHz / 64QAM

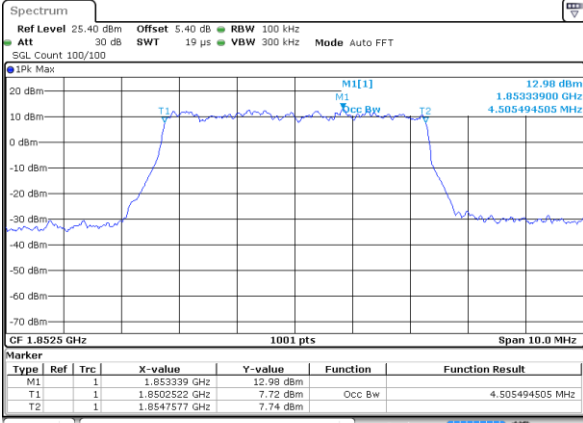


Date: 21 JUN 2019 22:44:32



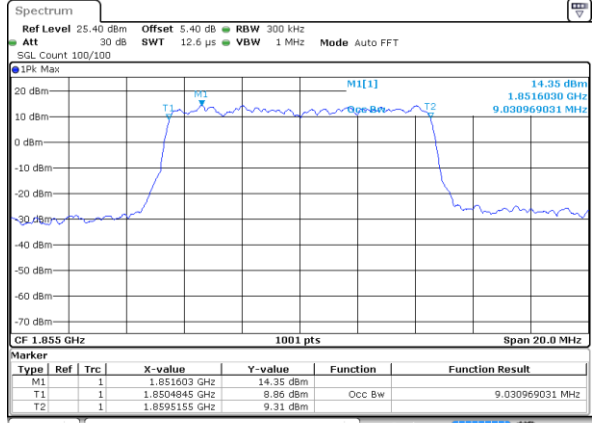
LTE Band 2

Lowest Channel / 5MHz / 64QAM



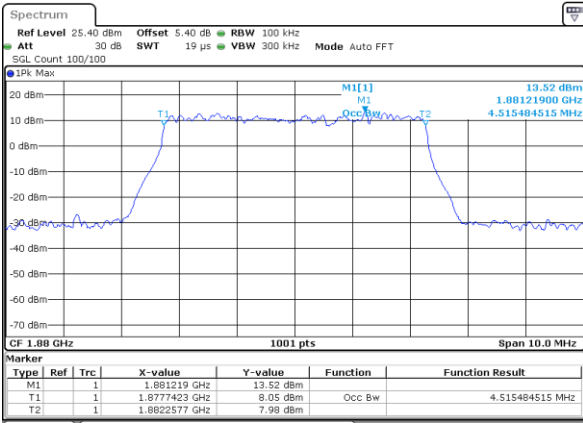
Date: 21 JUN 2019 22:44:42

Lowest Channel / 10MHz / 64QAM



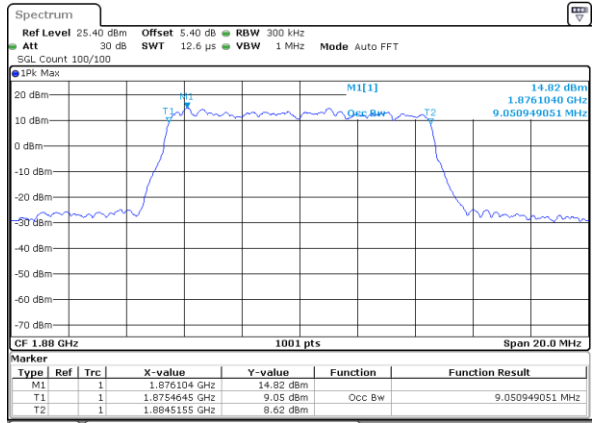
Date: 21 JUN 2019 22:45:12

Middle Channel / 5MHz / 64QAM



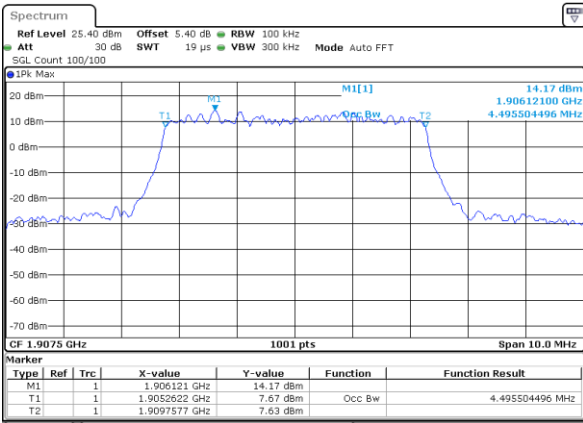
Date: 21 JUN 2019 22:44:52

Middle Channel / 10MHz / 64QAM



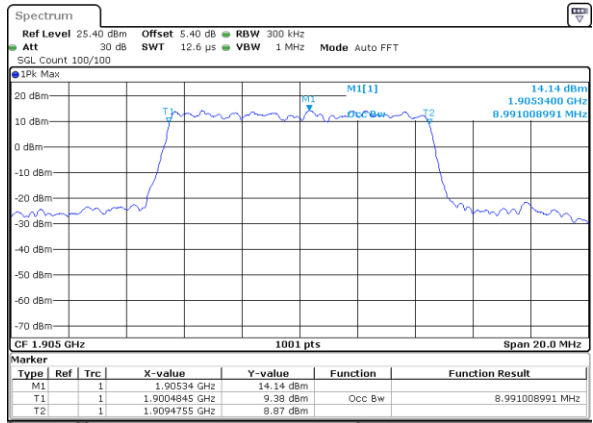
Date: 21 JUN 2019 22:45:22

Highest Channel / 5MHz / 64QAM



Date: 21 JUN 2019 22:45:02

Highest Channel / 10MHz / 64QAM

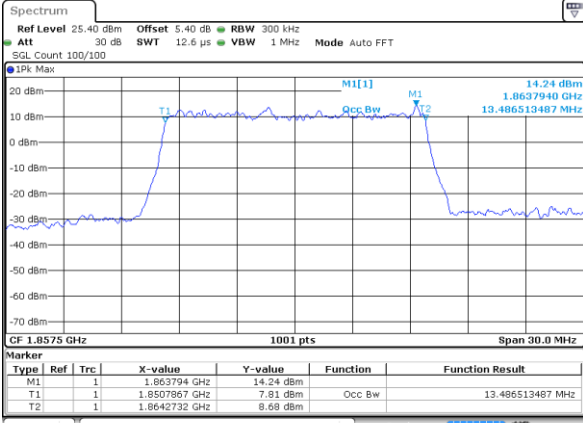


Date: 21 JUN 2019 22:45:33



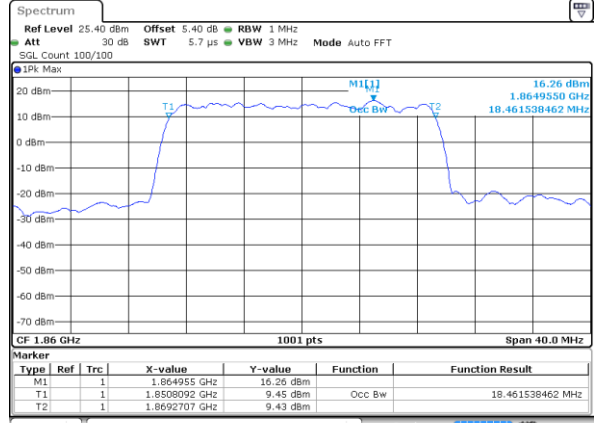
LTE Band 2

Lowest Channel / 15MHz / 64QAM



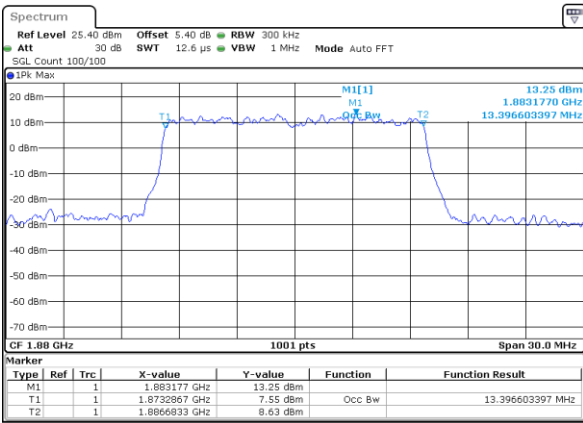
Date: 21 JUN 2019 22:45:43

Lowest Channel / 20MHz / 64QAM



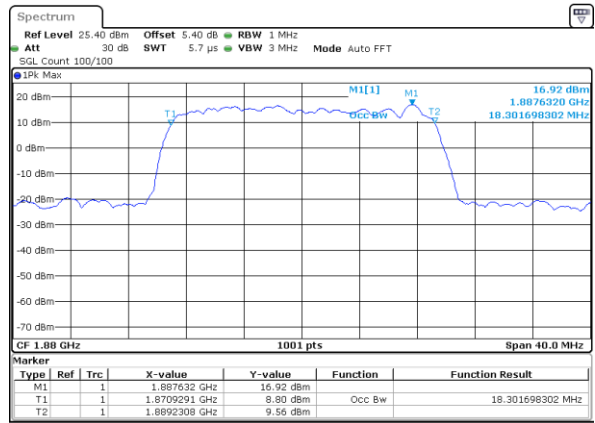
Date: 21 JUN 2019 22:46:13

Middle Channel / 15MHz / 64QAM



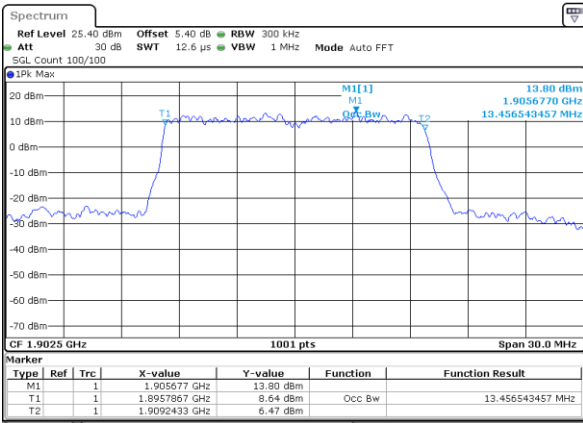
Date: 21 JUN 2019 22:45:53

Middle Channel / 20MHz / 64QAM



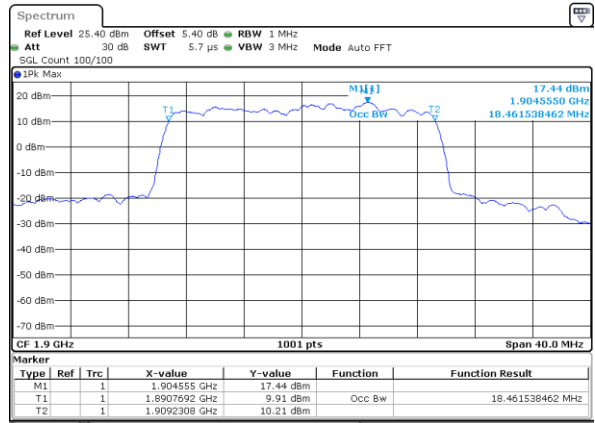
Date: 21 JUN 2019 22:46:23

Highest Channel / 15MHz / 64QAM



Date: 21 JUN 2019 22:46:03

Highest Channel / 20MHz / 64QAM

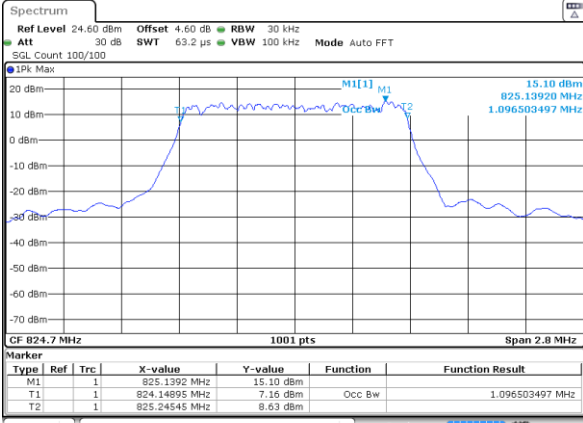


Date: 21 JUN 2019 22:46:33



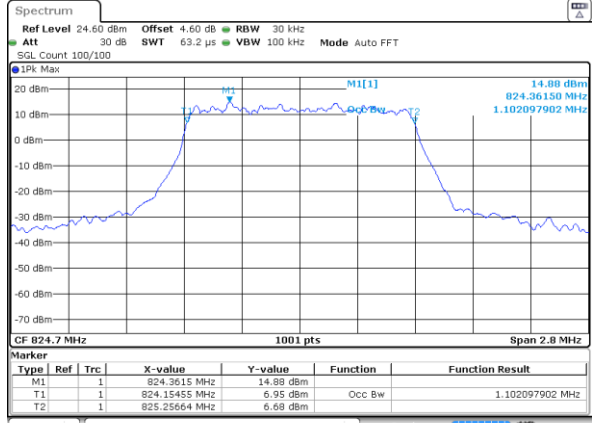
LTE Band 5

Lowest Channel / 1.4MHz / QPSK



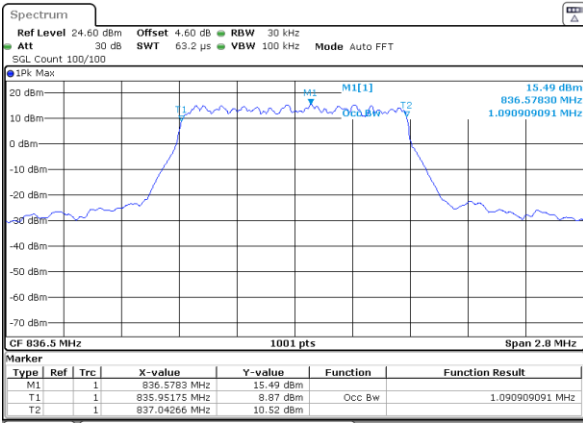
Date: 26 JUN 2019 10:46:00

Lowest Channel / 1.4MHz / 16QAM



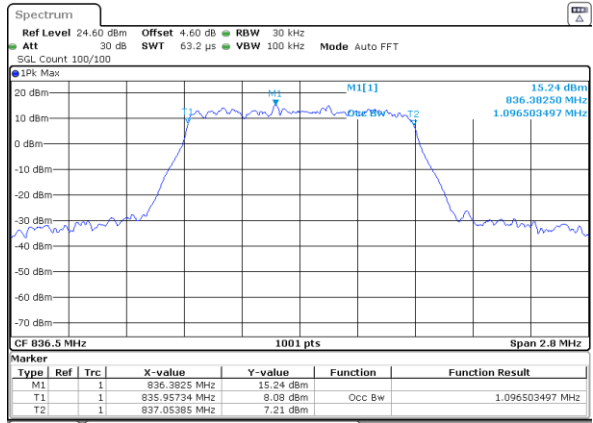
Date: 26 JUN 2019 10:46:10

Middle Channel / 1.4MHz / QPSK



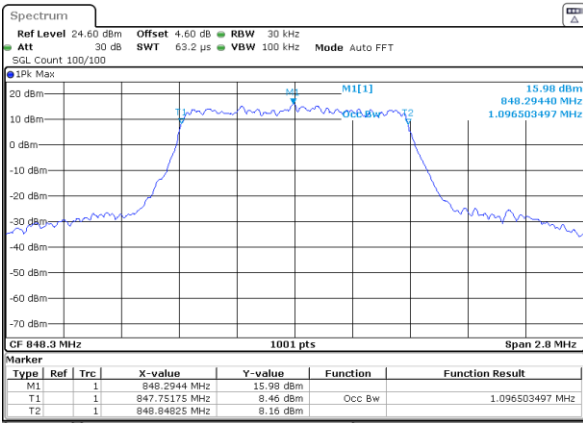
Date: 26 JUN 2019 10:54:59

Middle Channel / 1.4MHz / 16QAM



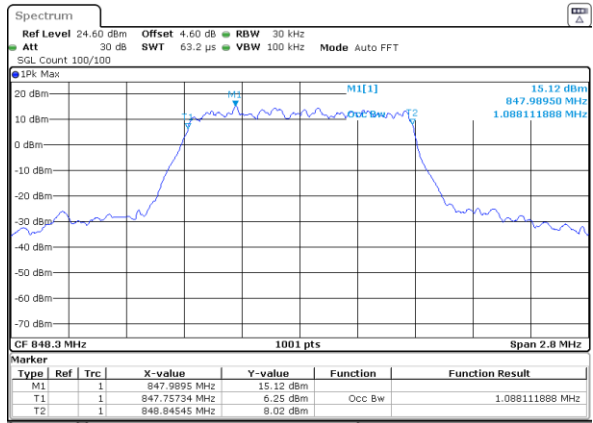
Date: 26 JUN 2019 10:55:09

Highest Channel / 1.4MHz / QPSK



Date: 26 JUN 2019 10:57:29

Highest Channel / 1.4MHz / 16QAM

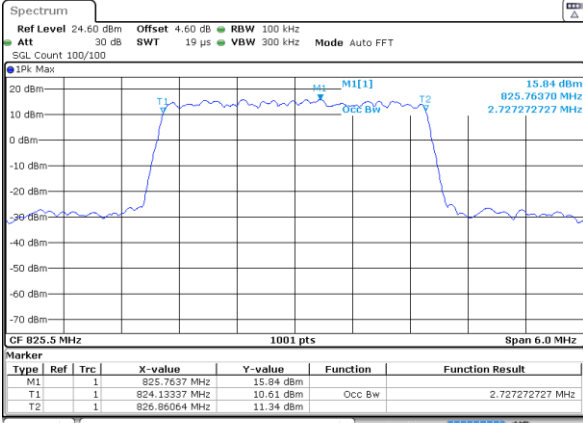


Date: 26 JUN 2019 10:57:39



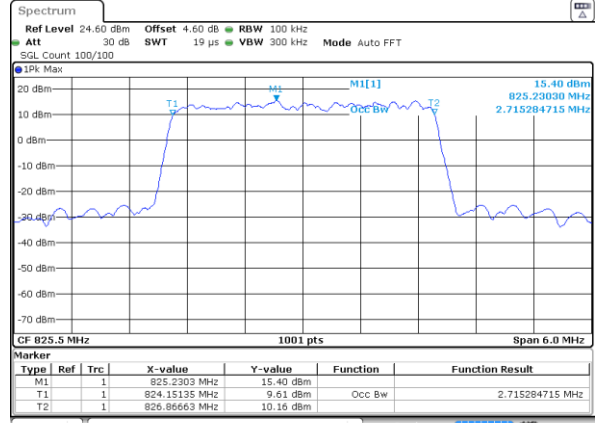
LTE Band 5

Lowest Channel / 3MHz / QPSK



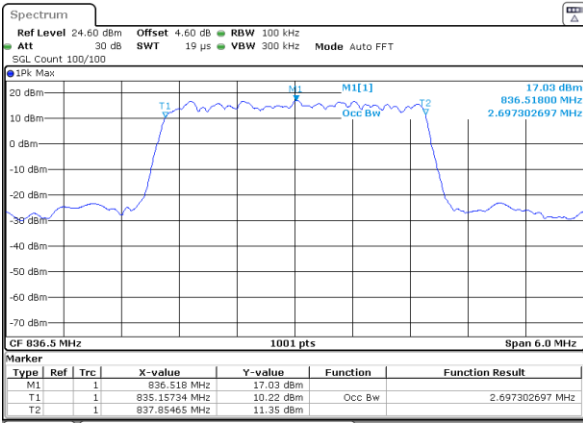
Date: 26 JUN 2019 11:06:29

Lowest Channel / 3MHz / 16QAM



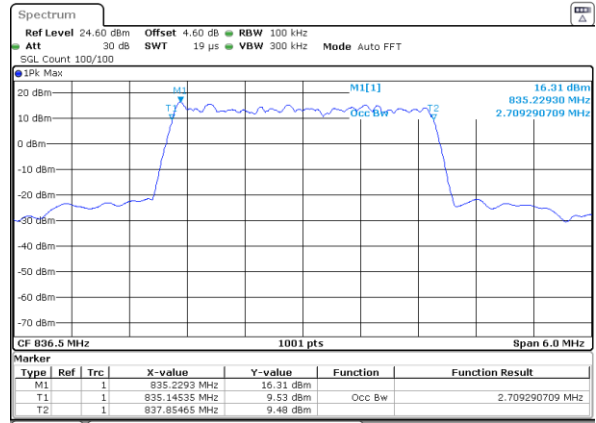
Date: 26 JUN 2019 11:06:39

Middle Channel / 3MHz / QPSK



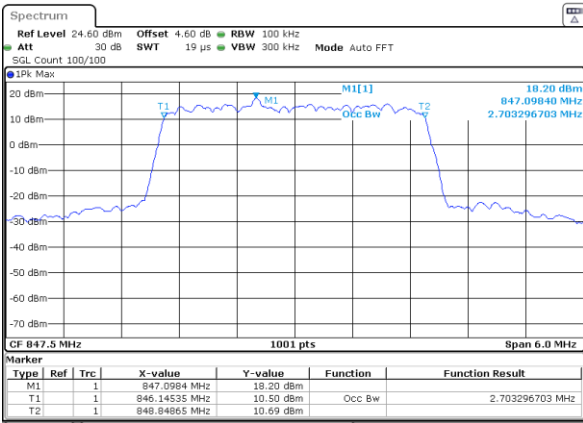
Date: 26 JUN 2019 11:15:28

Middle Channel / 3MHz / 16QAM



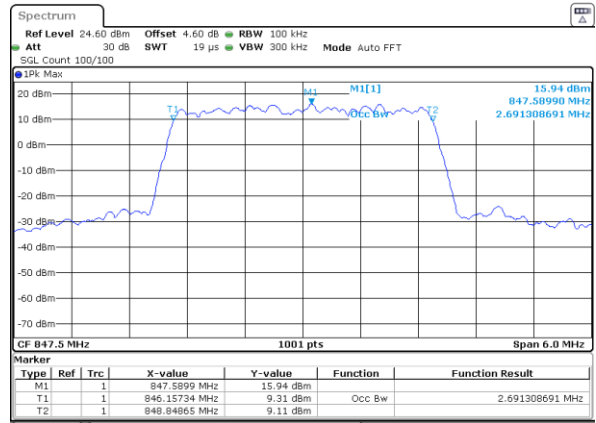
Date: 26 JUN 2019 11:15:39

Highest Channel / 3MHz / QPSK



Date: 26 JUN 2019 11:17:58

Highest Channel / 3MHz / 16QAM



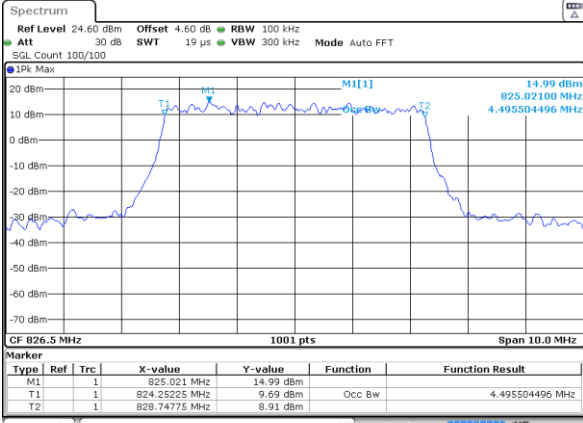
Date: 26 JUN 2019 11:18:08





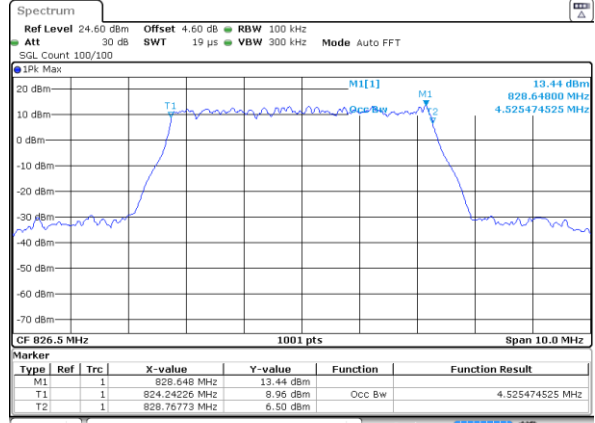
LTE Band 5

Lowest Channel / 5MHz / QPSK



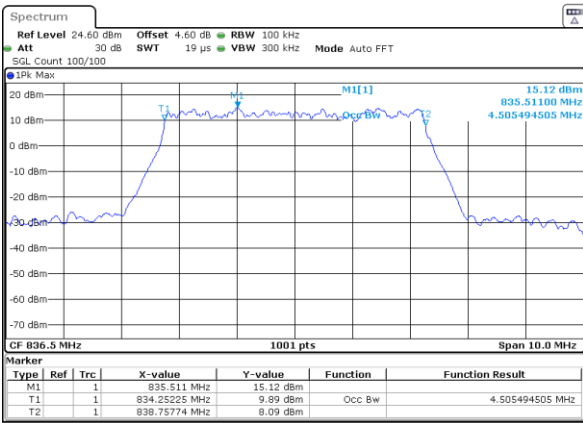
Date: 26 JUN 2019 11:27:44

Lowest Channel / 5MHz / 16QAM



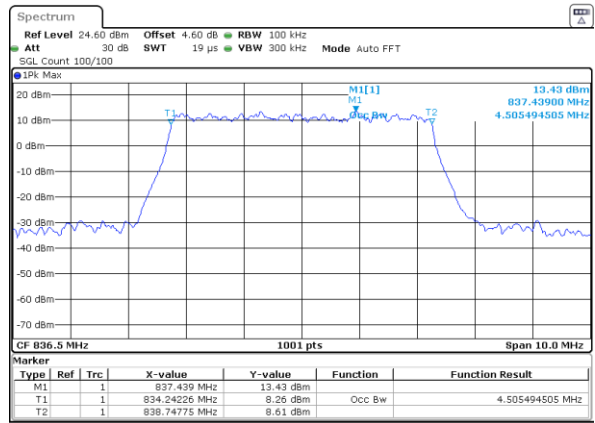
Date: 26 JUN 2019 11:27:54

Middle Channel / 5MHz / QPSK



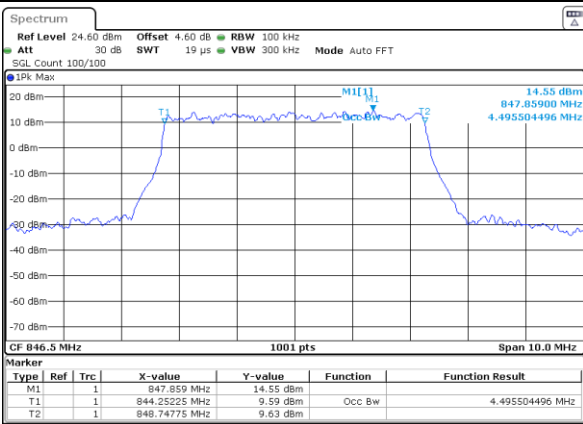
Date: 26 JUN 2019 11:36:44

Middle Channel / 5MHz / 16QAM



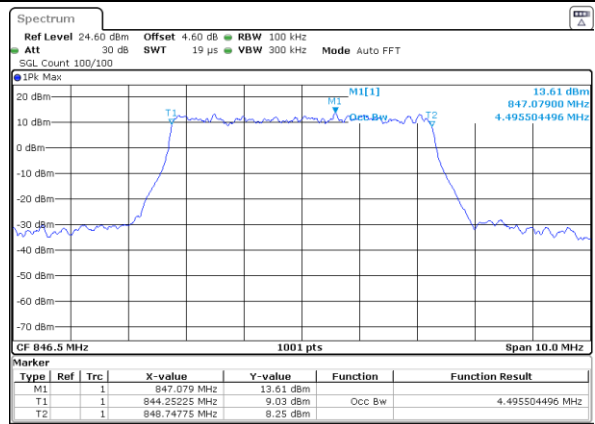
Date: 26 JUN 2019 11:36:54

Highest Channel / 5MHz / QPSK



Date: 26 JUN 2019 11:39:14

Highest Channel / 5MHz / 16QAM

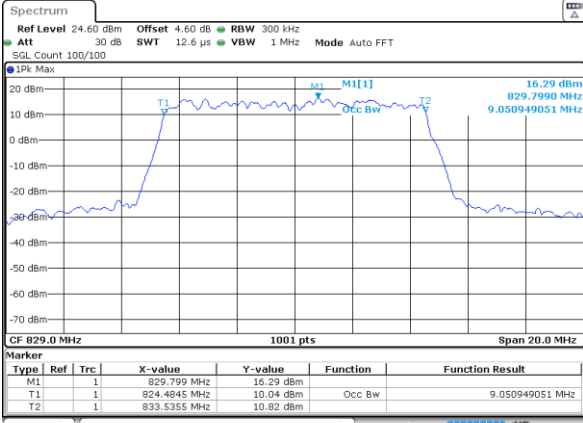


Date: 26 JUN 2019 11:39:24



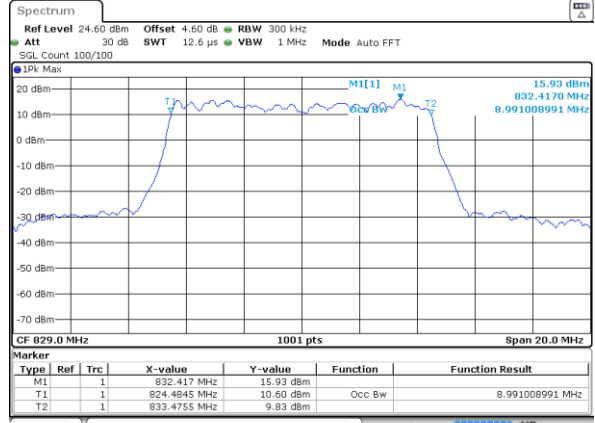
LTE Band 5

Lowest Channel / 10MHz / QPSK



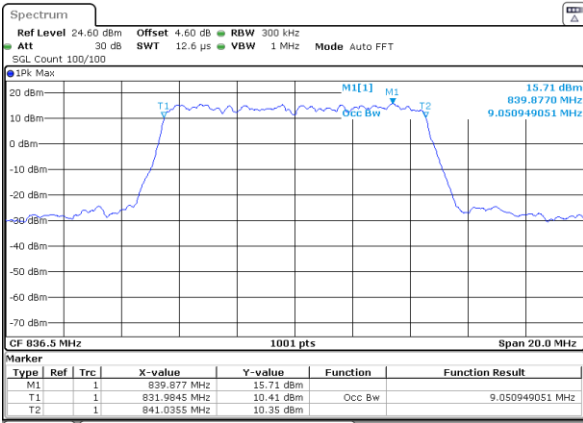
Date: 26 JUN 2019 11:48:13

Lowest Channel / 10MHz / 16QAM



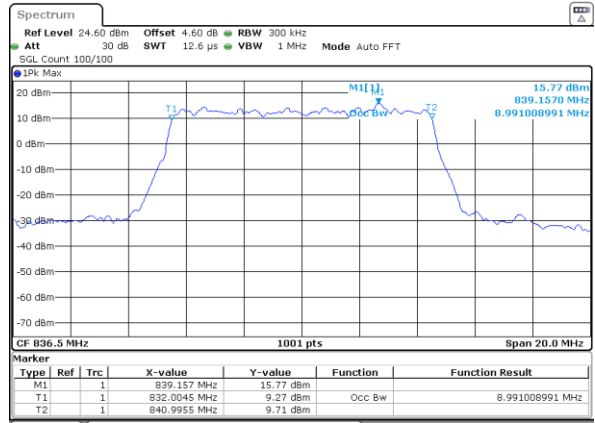
Date: 26 JUN 2019 11:48:24

Middle Channel / 10MHz / QPSK



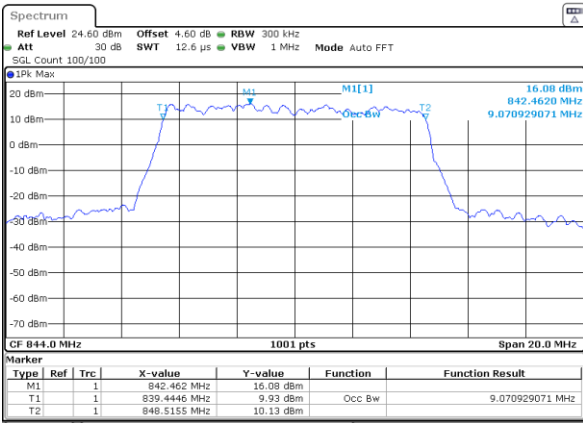
Date: 26 JUN 2019 11:57:13

Middle Channel / 10MHz / 16QAM



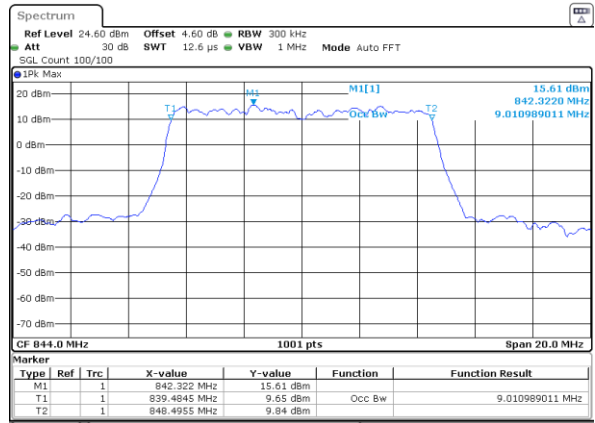
Date: 26 JUN 2019 11:57:23

Highest Channel / 10MHz / QPSK



Date: 26 JUN 2019 11:59:43

Highest Channel / 10MHz / 16QAM

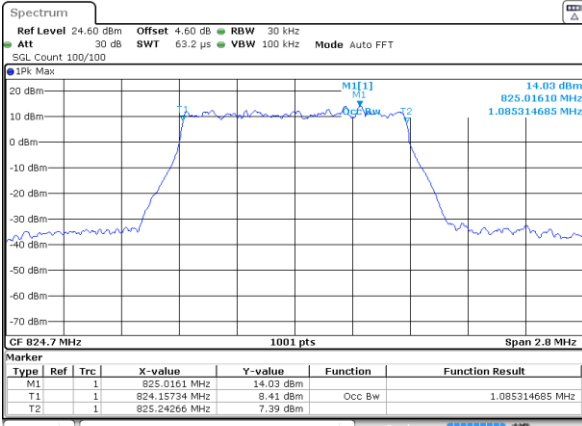


Date: 26 JUN 2019 11:59:53



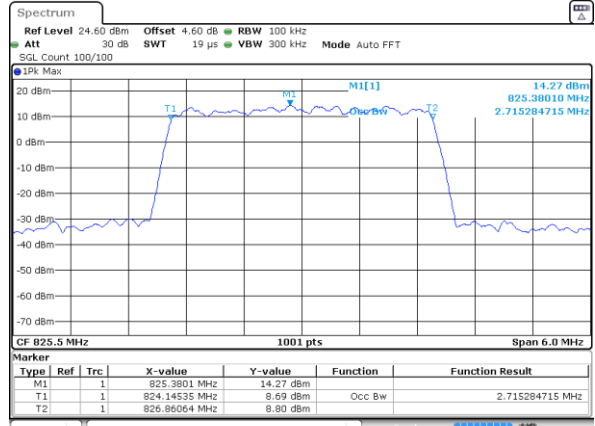
LTE Band 5

Lowest Channel / 1.4MHz / 64QAM



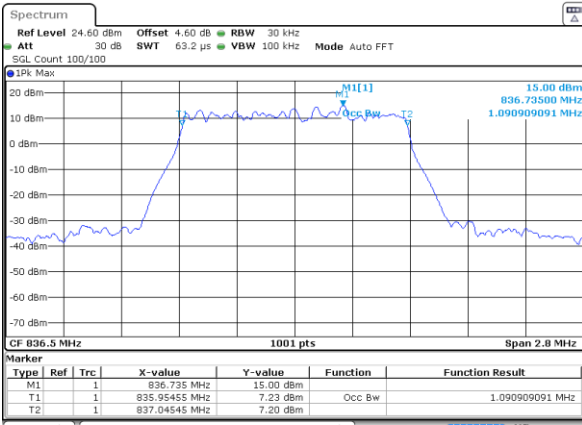
Date: 26 JUN 2019 13:54:49

Lowest Channel / 3MHz / 64QAM



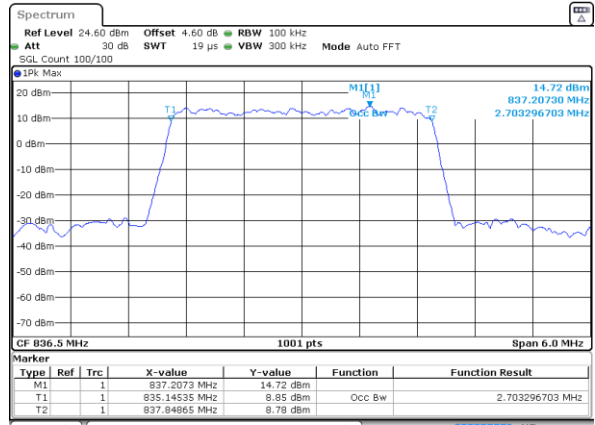
Date: 26 JUN 2019 14:05:13

Middle Channel / 1.4MHz / 64QAM



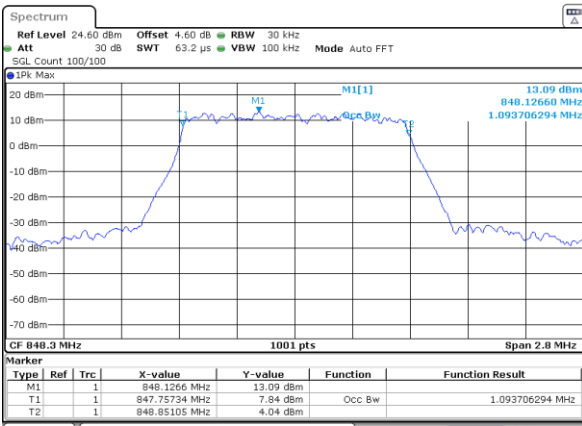
Date: 26 JUN 2019 14:00:14

Middle Channel / 3MHz / 64QAM



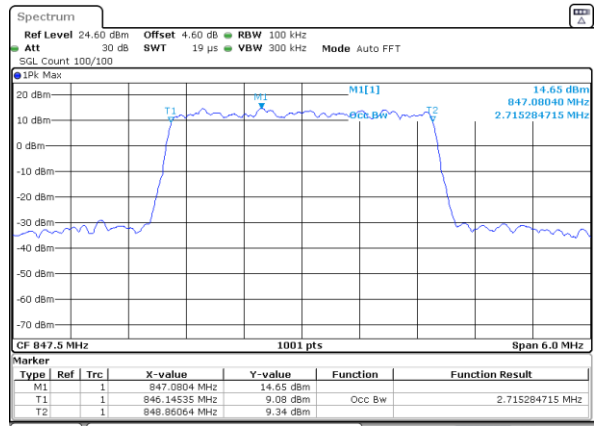
Date: 26 JUN 2019 14:10:37

Highest Channel / 1.4MHz / 64QAM



Date: 26 JUN 2019 14:00:34

Highest Channel / 3MHz / 64QAM

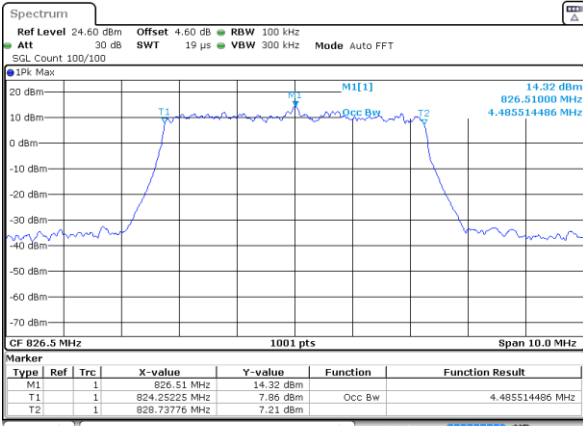


Date: 26 JUN 2019 14:10:57



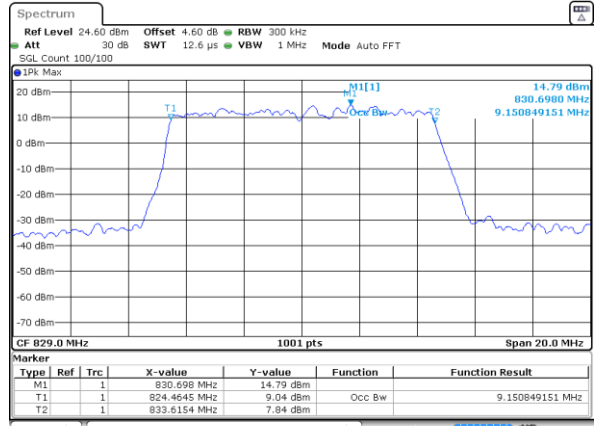
LTE Band 5

Lowest Channel / 5MHz / 64QAM



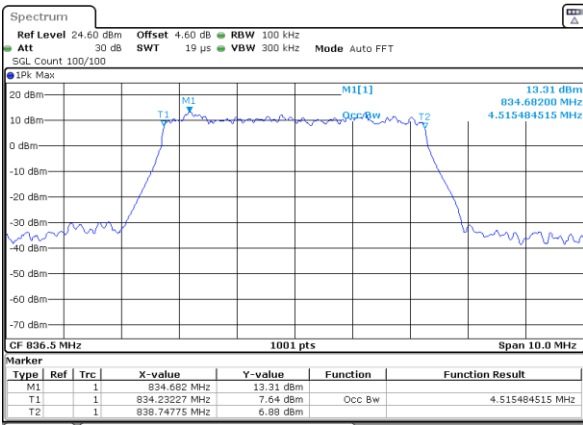
Date: 26 JUN 2019 14:15:27

Lowest Channel / 10MHz / 64QAM



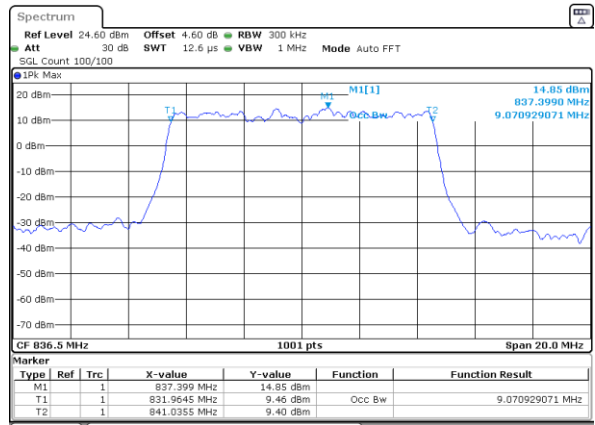
Date: 26 JUN 2019 14:25:44

Middle Channel / 5MHz / 64QAM



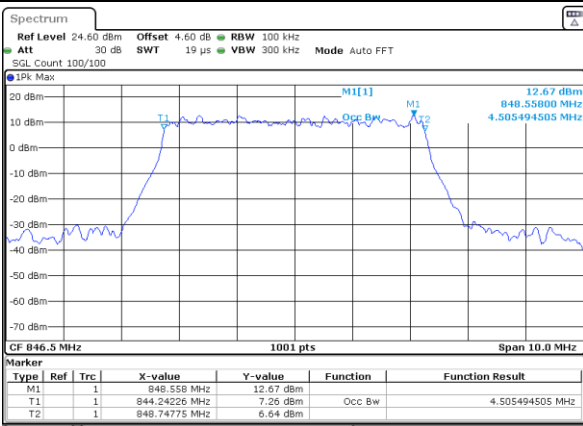
Date: 26 JUN 2019 14:20:52

Middle Channel / 10MHz / 64QAM



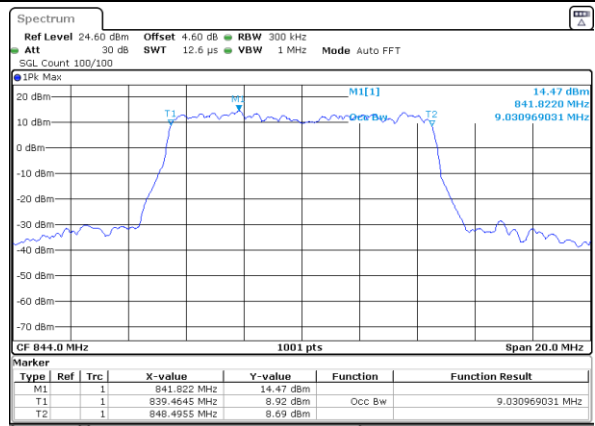
Date: 26 JUN 2019 14:31:09

Highest Channel / 5MHz / 64QAM



Date: 26 JUN 2019 14:21:15

Highest Channel / 10MHz / 64QAM

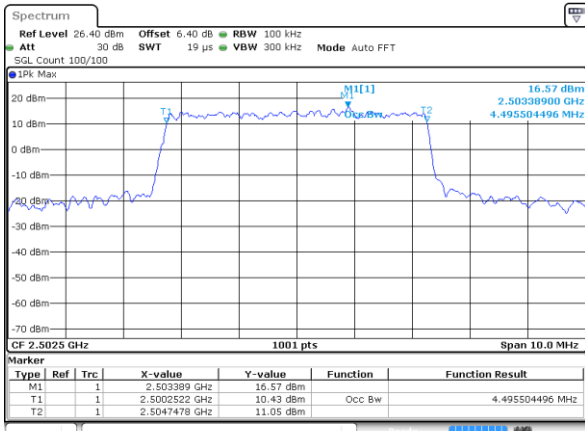


Date: 26 JUN 2019 14:31:29



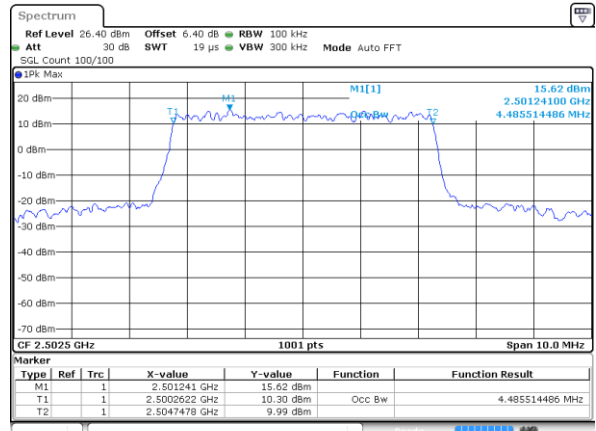
LTE Band 7

Lowest Channel / 5MHz / QPSK



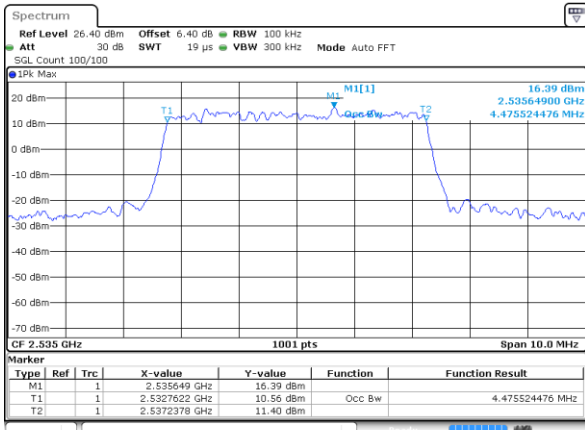
Date: 11\_JUL 2019 17:08:03

Lowest Channel / 5MHz / 16QAM



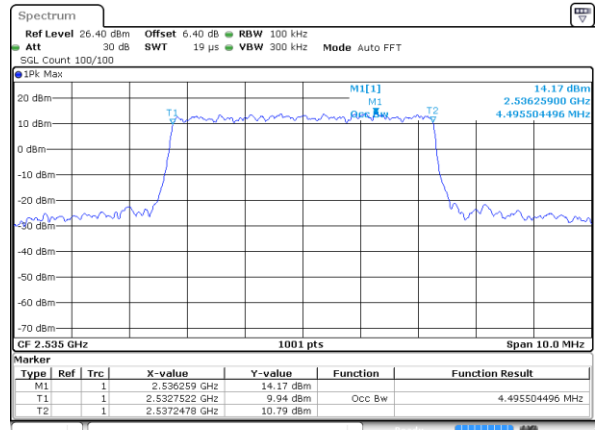
Date: 11\_JUL 2019 17:08:23

Middle Channel / 5MHz / QPSK



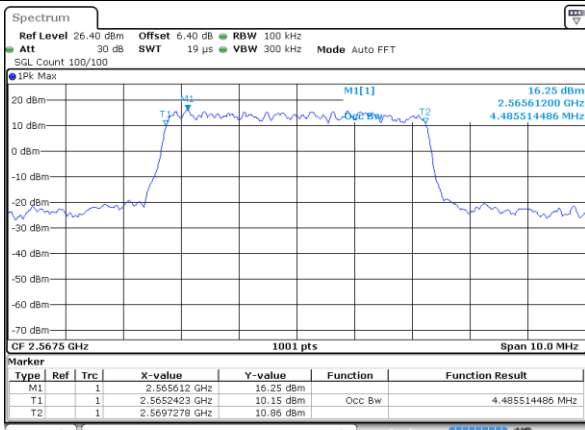
Date: 11\_JUL 2019 17:09:03

Middle Channel / 5MHz / 16QAM



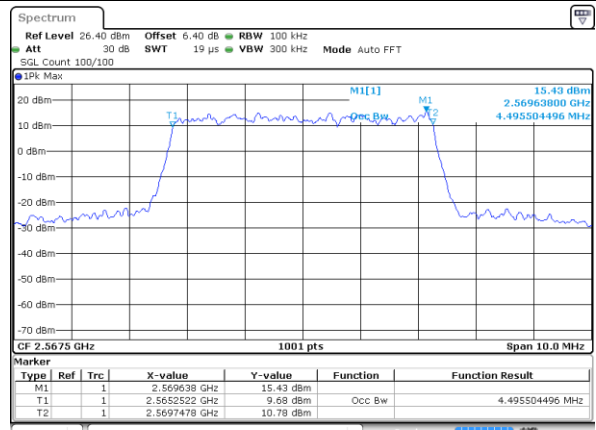
Date: 11\_JUL 2019 17:08:43

Highest Channel / 5MHz / QPSK



Date: 11\_JUL 2019 17:09:23

Highest Channel / 5MHz / 16QAM

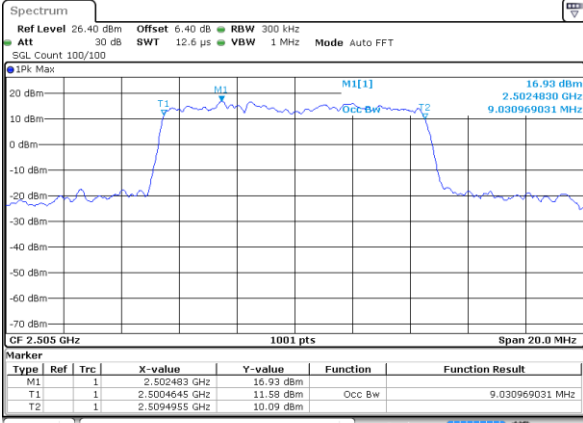


Date: 11\_JUL 2019 17:09:43



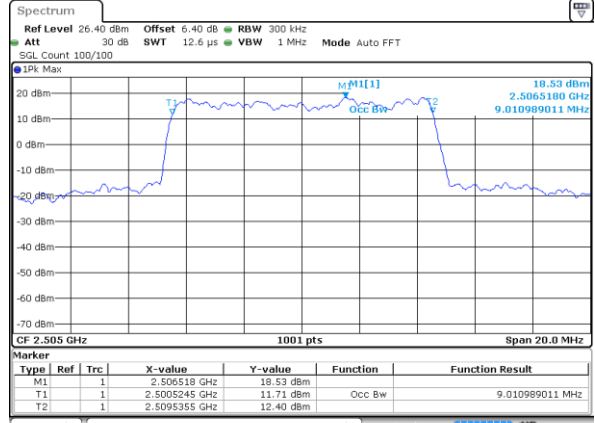
LTE Band 7

Lowest Channel / 10MHz / QPSK



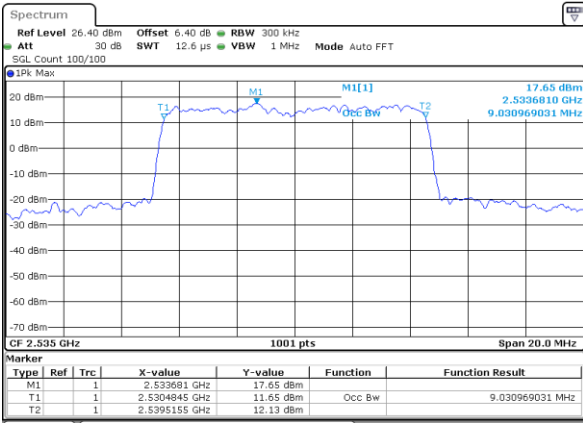
Date: 11 JUL 2019 17:24:35

Lowest Channel / 10MHz / 16QAM



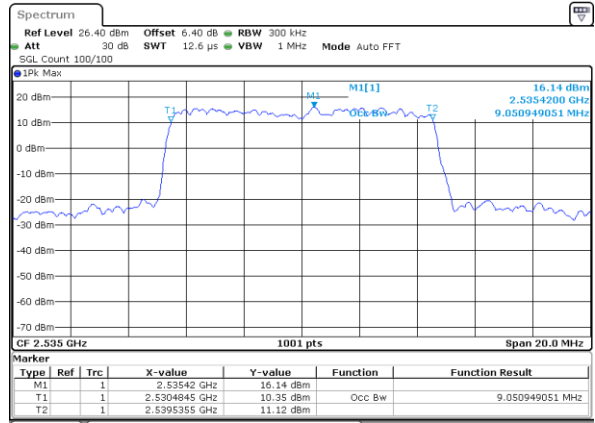
Date: 11 JUL 2019 17:24:55

Middle Channel / 10MHz / QPSK



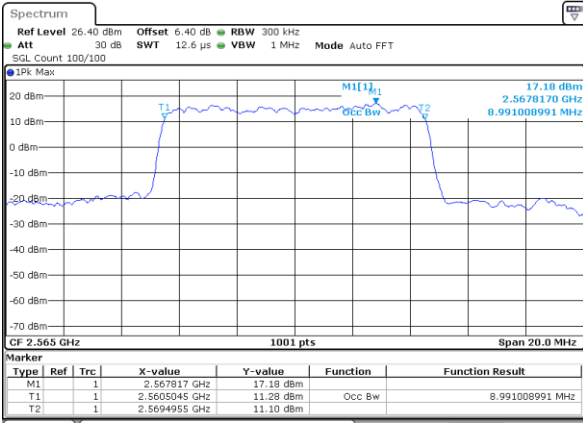
Date: 11 JUL 2019 17:25:35

Middle Channel / 10MHz / 16QAM



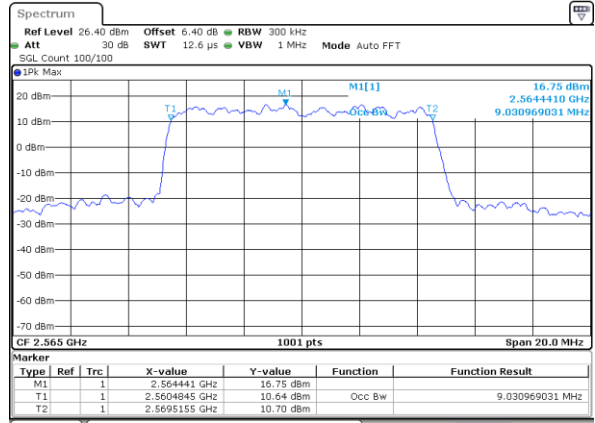
Date: 11 JUL 2019 17:25:15

Highest Channel / 10MHz / QPSK



Date: 11 JUL 2019 17:25:55

Highest Channel / 10MHz / 16QAM

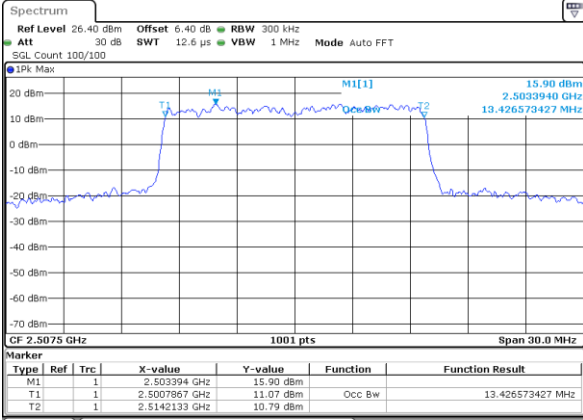


Date: 11 JUL 2019 17:26:15



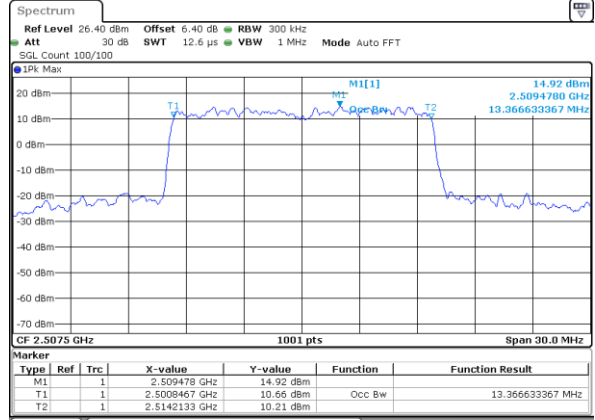
LTE Band 7

Lowest Channel / 15MHz / QPSK



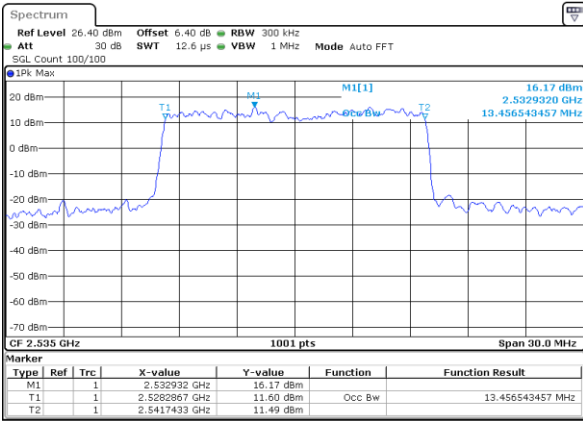
Date: 11 JUL 2019 17:41:25

Lowest Channel / 15MHz / 16QAM



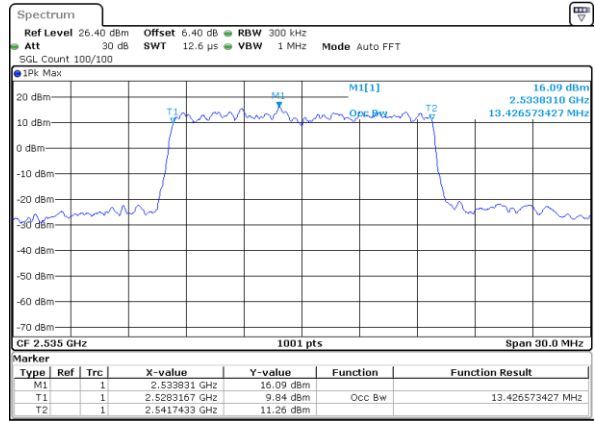
Date: 11 JUL 2019 17:41:05

Middle Channel / 15MHz / QPSK



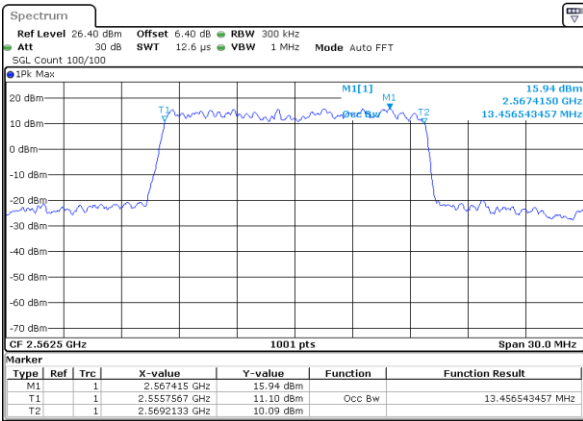
Date: 11 JUL 2019 17:41:45

Middle Channel / 15MHz / 16QAM



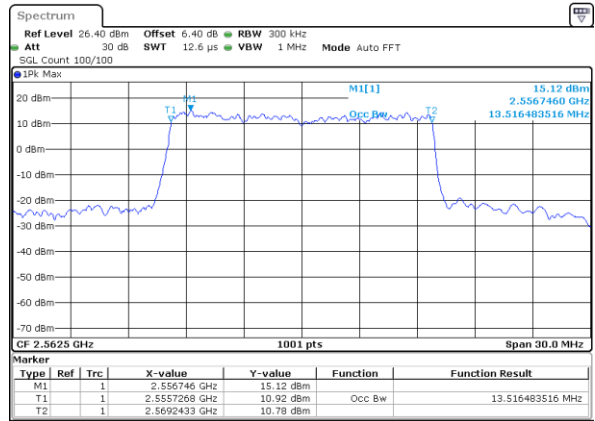
Date: 11 JUL 2019 17:42:04

Highest Channel / 15MHz / QPSK



Date: 11 JUL 2019 17:42:45

Highest Channel / 15MHz / 16QAM

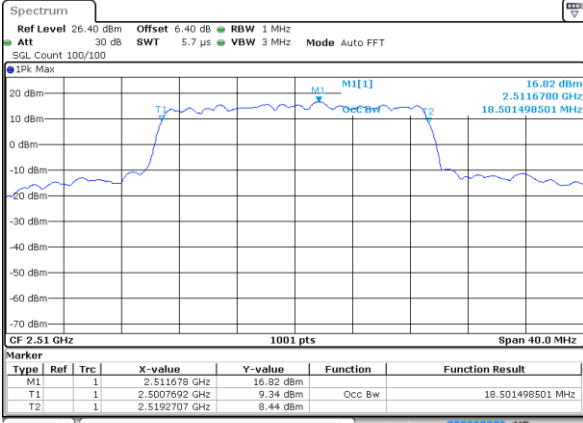


Date: 11 JUL 2019 17:42:25



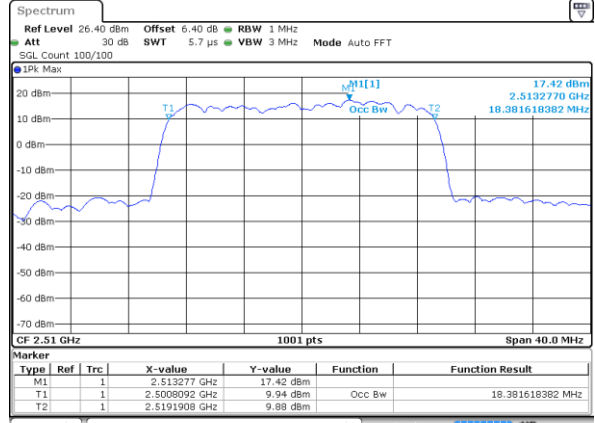
LTE Band 7

Lowest Channel / 20MHz / QPSK



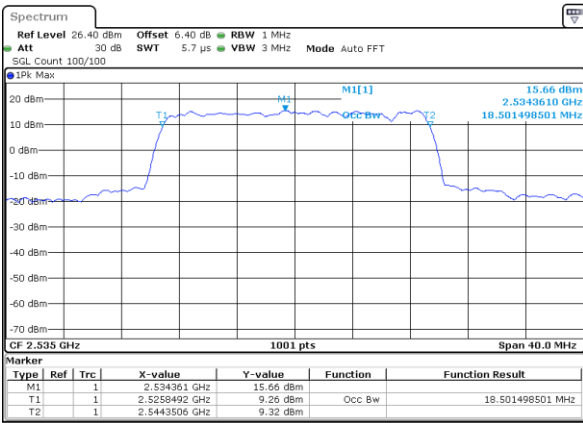
Date: 11 JUL 2019 18:04:36

Lowest Channel / 20MHz / 16QAM



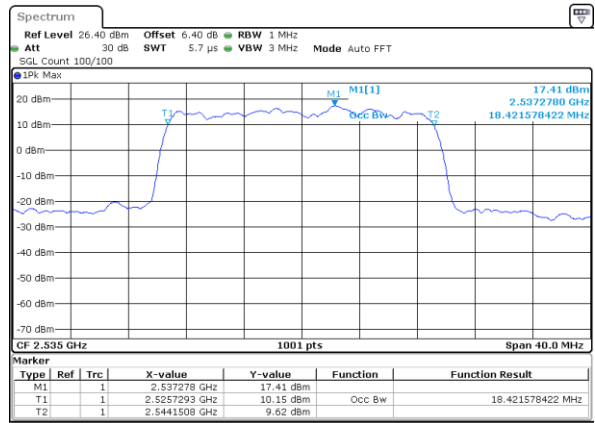
Date: 11 JUL 2019 18:04:16

Middle Channel / 20MHz / QPSK



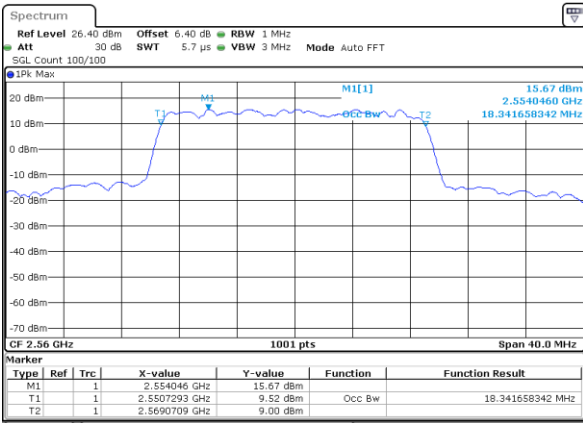
Date: 11 JUL 2019 18:04:56

Middle Channel / 20MHz / 16QAM



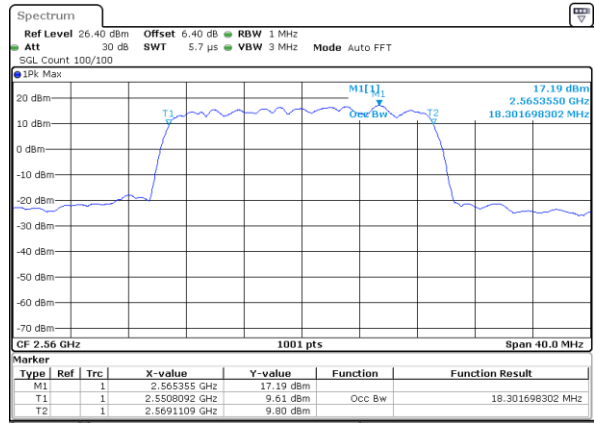
Date: 11 JUL 2019 18:05:16

Highest Channel / 20MHz / QPSK



Date: 11 JUL 2019 18:37:32

Highest Channel / 20MHz / 16QAM



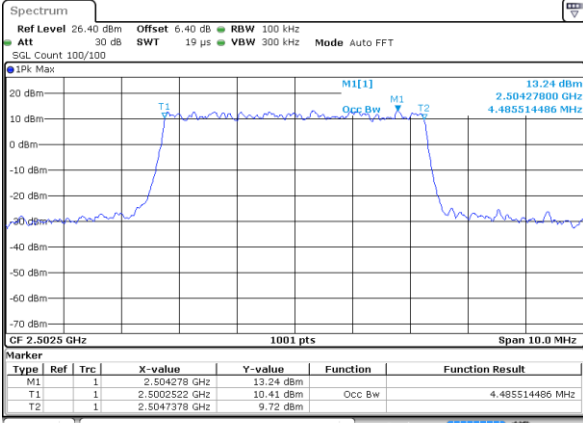
Date: 11 JUL 2019 18:05:36





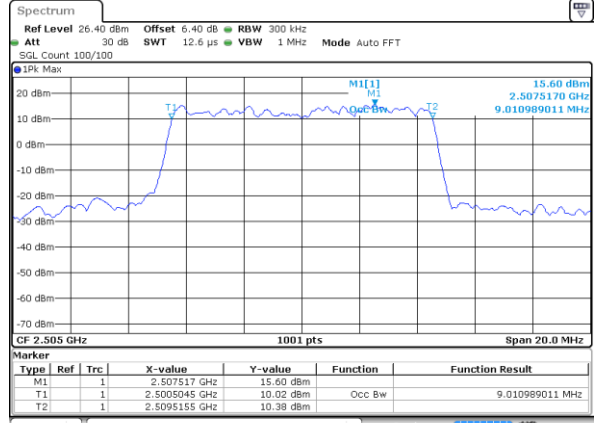
LTE Band 7

Lowest Channel / 5MHz / 64QAM



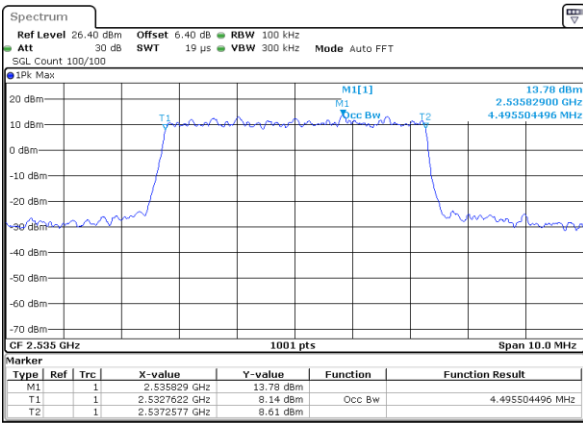
Date: 11 JUL 2019 18:52:22

Lowest Channel / 10MHz / 64QAM



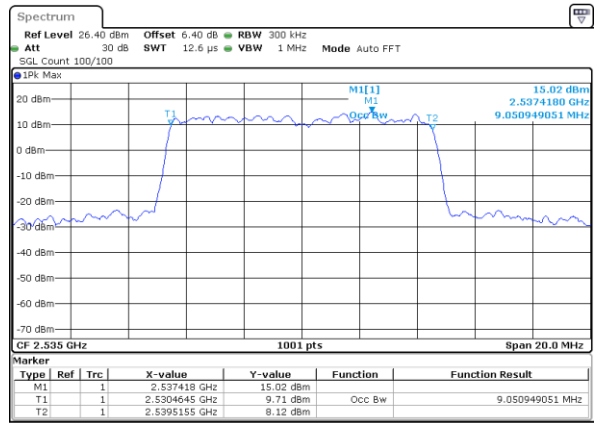
Date: 11 JUL 2019 18:59:19

Middle Channel / 5MHz / 64QAM



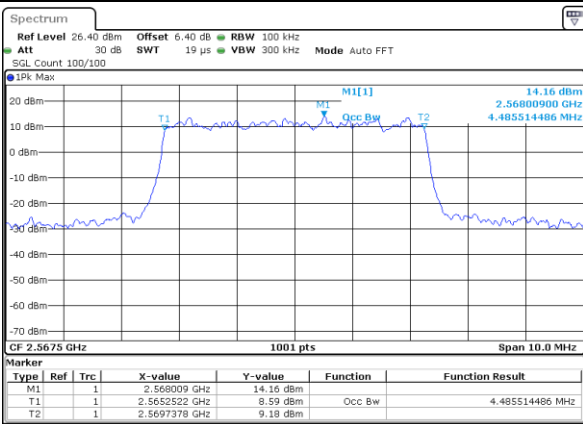
Date: 11 JUL 2019 18:52:32

Middle Channel / 10MHz / 64QAM



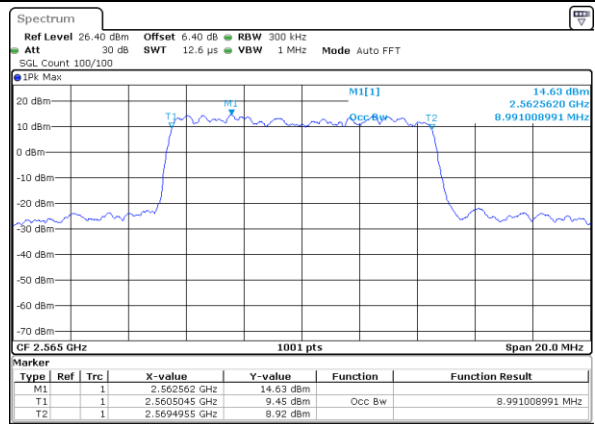
Date: 11 JUL 2019 18:59:28

Highest Channel / 5MHz / 64QAM



Date: 11 JUL 2019 18:52:43

Highest Channel / 10MHz / 64QAM

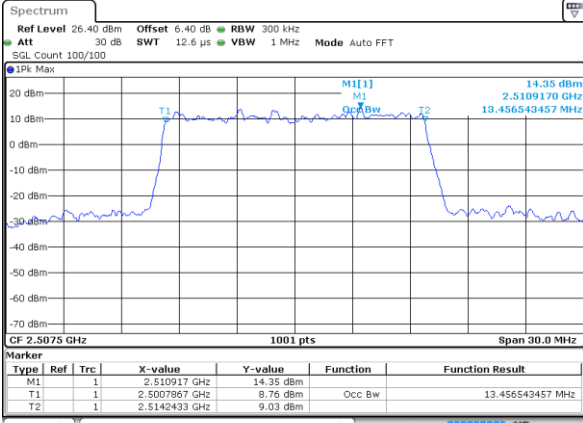


Date: 11 JUL 2019 18:59:37



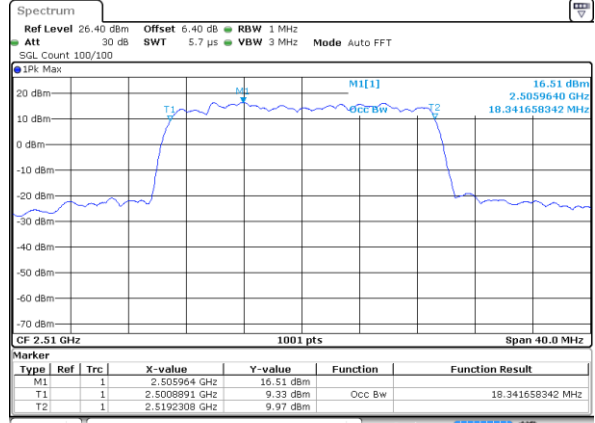
LTE Band 7

Lowest Channel / 15MHz / 64QAM



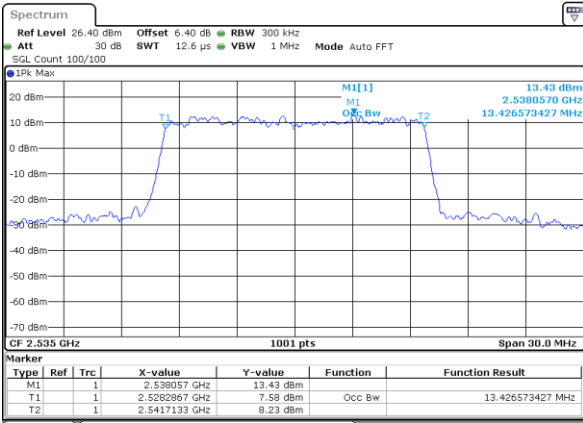
Date: 11 JUL 2019 19:18:21

Lowest Channel / 20MHz / 64QAM



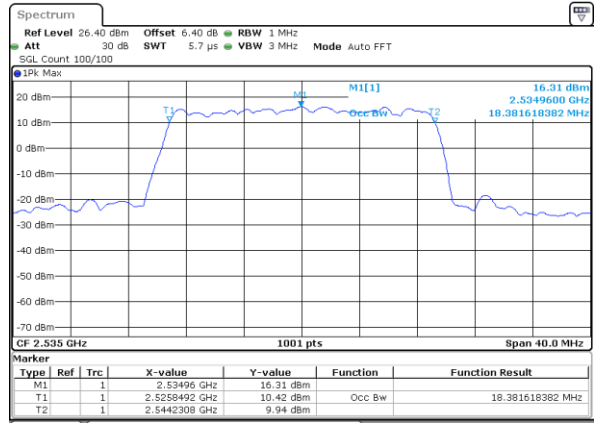
Date: 11 JUL 2019 19:22:02

Middle Channel / 15MHz / 64QAM



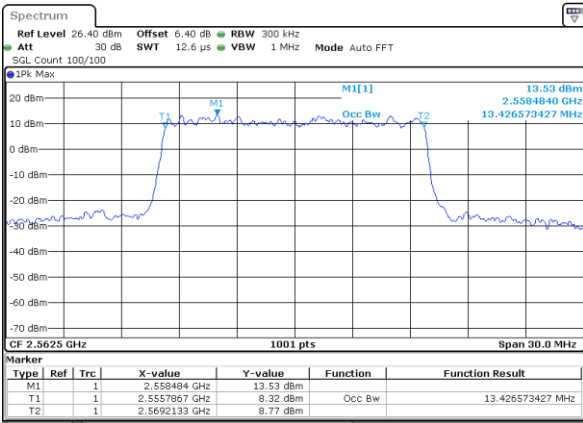
Date: 11 JUL 2019 19:18:31

Middle Channel / 20MHz / 64QAM



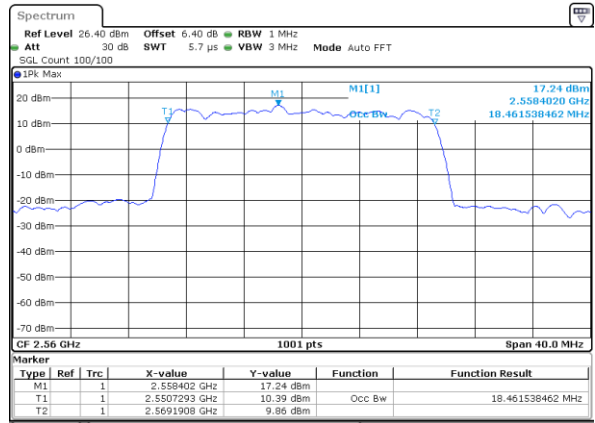
Date: 11 JUL 2019 19:22:10

Highest Channel / 15MHz / 64QAM



Date: 11 JUL 2019 19:18:41

Highest Channel / 20MHz / 64QAM



Date: 11 JUL 2019 19:22:19