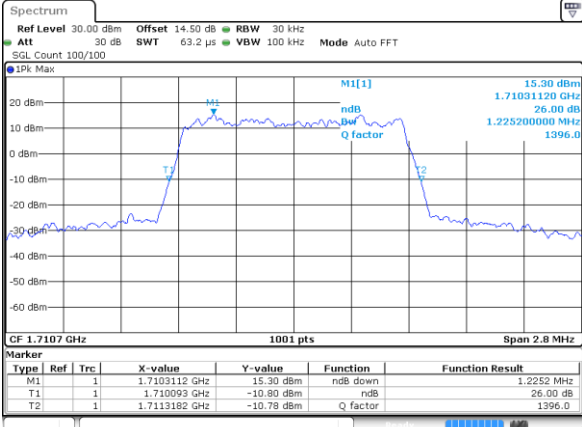




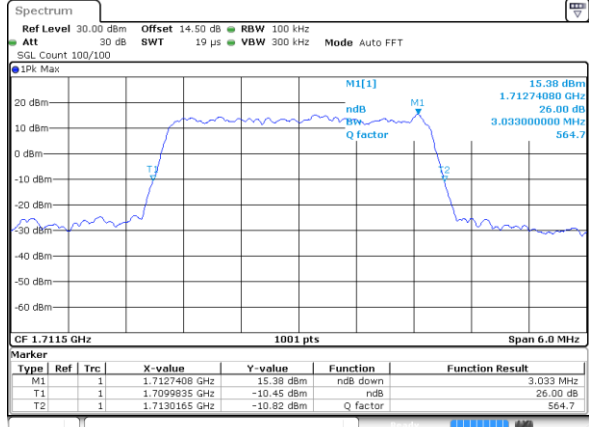
LTE Band 66

Lowest Channel / 1.4MHz / 64QAM



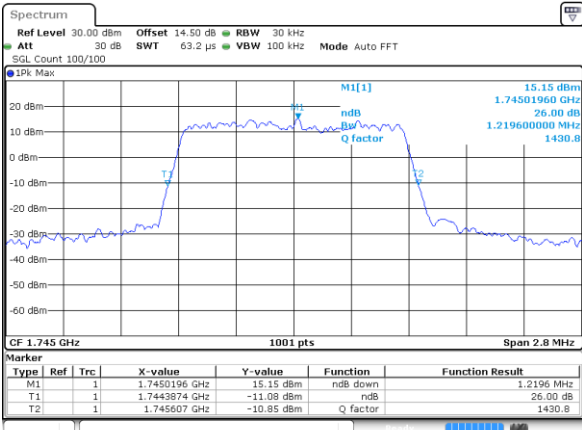
Date: 21 JUL 2019 17:03:54

Lowest Channel / 3MHz / 64QAM



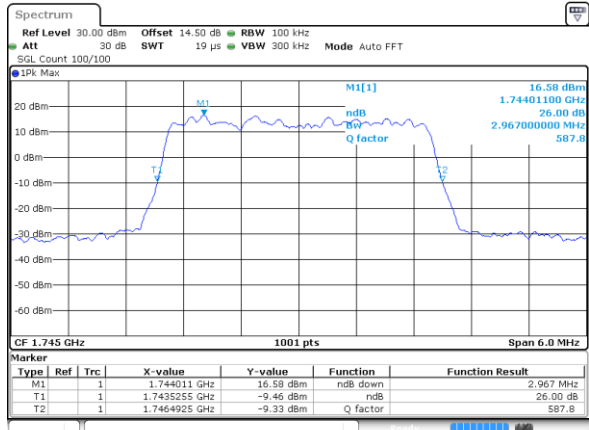
Date: 21 JUL 2019 17:48:38

Middle Channel / 20MHz / 64QAM



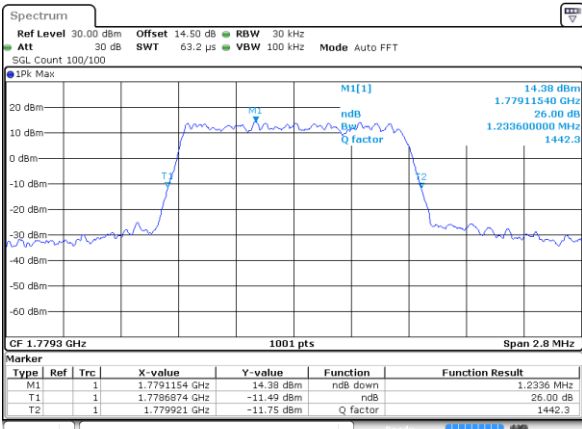
Date: 21 JUL 2019 17:16:04

Middle Channel / 3MHz / 64QAM



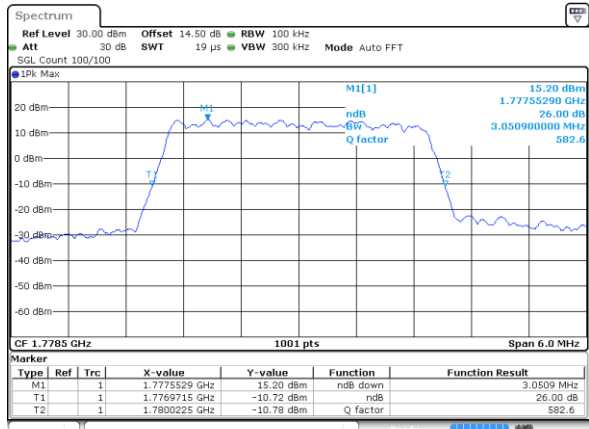
Date: 21 JUL 2019 18:40:54

Highest Channel / 20MHz / 64QAM



Date: 21 JUL 2019 17:36:35

Highest Channel / 3MHz / 64QAM

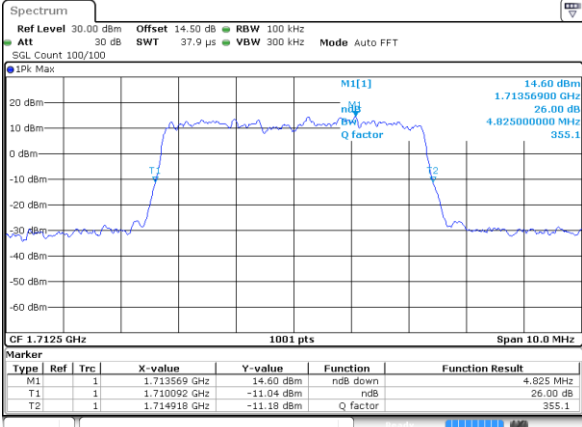


Date: 21 JUL 2019 18:31:42



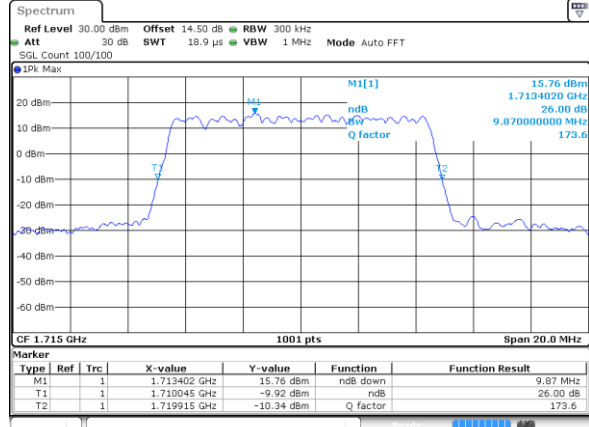
LTE Band 66

Lowest Channel / 5MHz / 64QAM



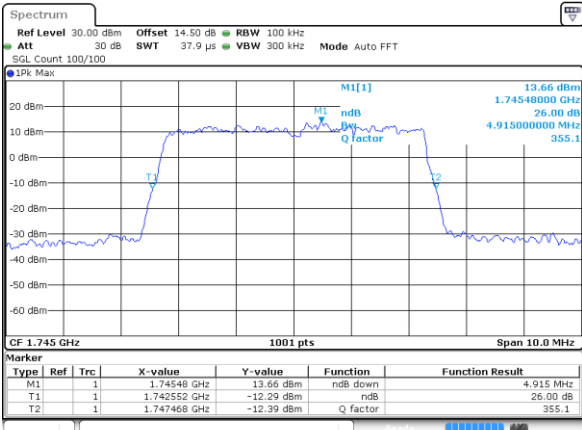
Date: 21 JUL 2019 18:57:58

Lowest Channel / 10MHz / 64QAM



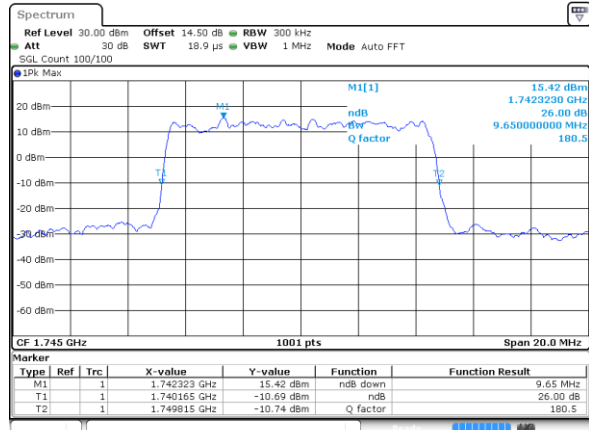
Date: 23 JUL 2019 14:48:45

Middle Channel / 5MHz / 64QAM



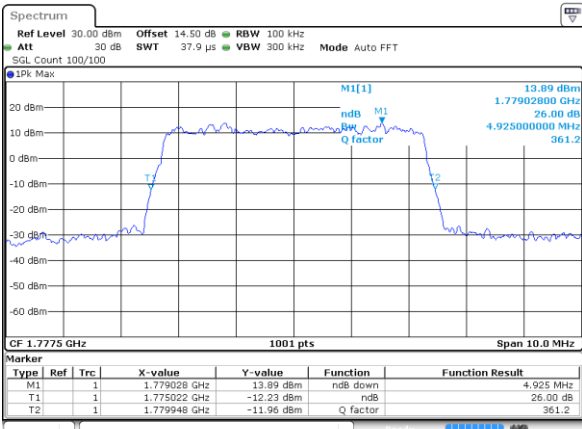
Date: 21 JUL 2019 18:44:59

Middle Channel / 10MHz / 64QAM



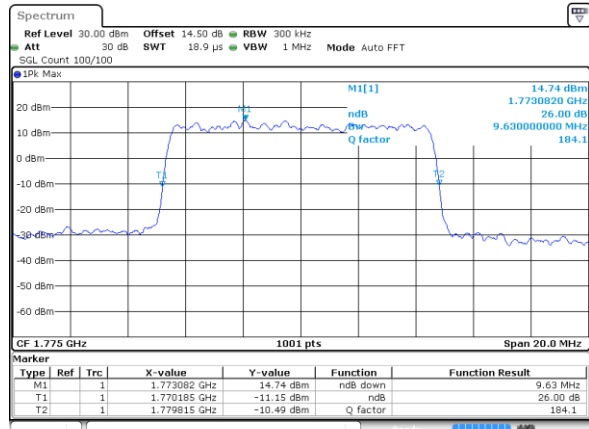
Date: 23 JUL 2019 15:28:16

Highest Channel / 5MHz / 64QAM



Date: 21 JUL 2019 19:03:07

Highest Channel / 10MHz / 64QAM

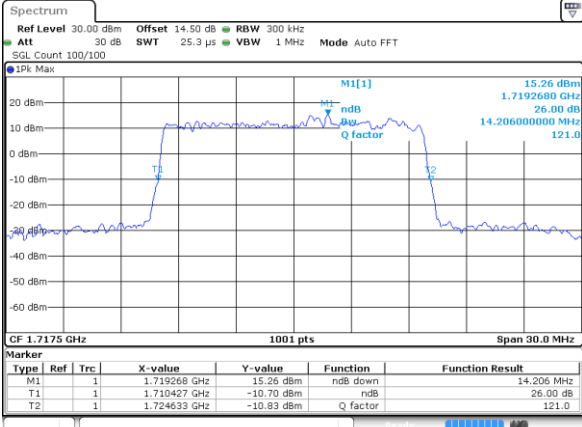


Date: 23 JUL 2019 15:38:31



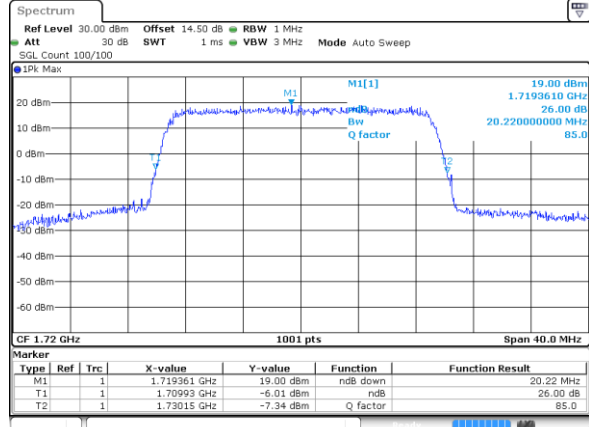
LTE Band 66

Lowest Channel / 15MHz / 64QAM



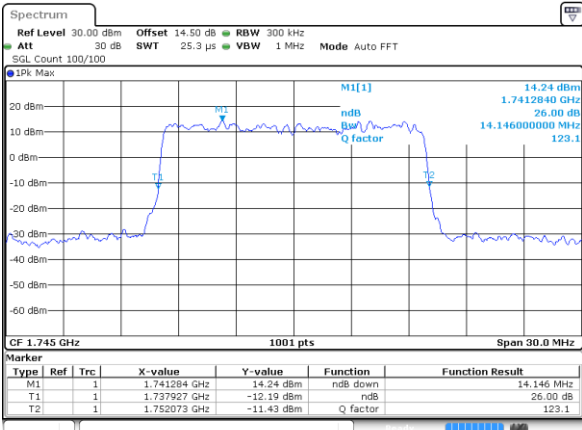
Date: 23 JUL 2019 16:03:38

Lowest Channel / 20MHz / 64QAM



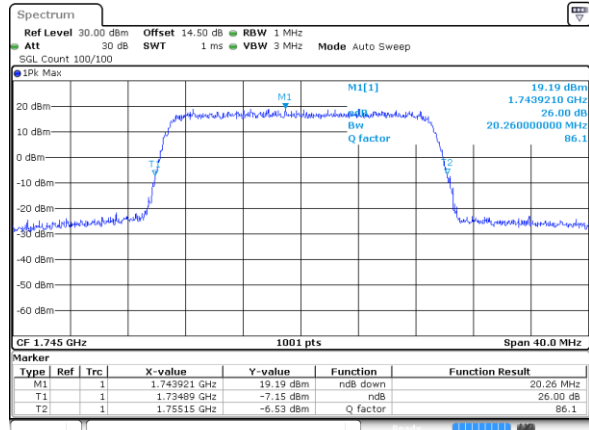
Date: 24 JUL 2019 11:04:48

Middle Channel / 15MHz / 64QAM



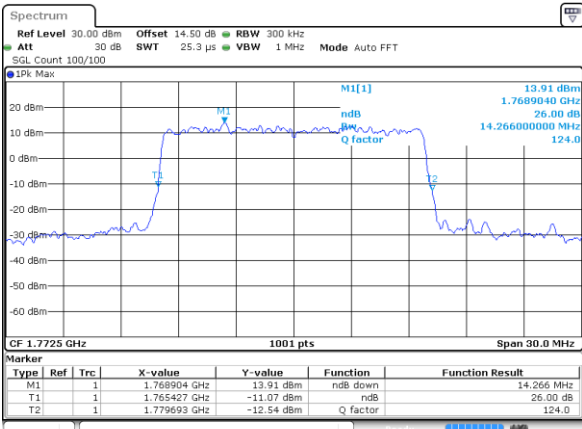
Date: 23 JUL 2019 16:18:26

Middle Channel / 20MHz / 64QAM



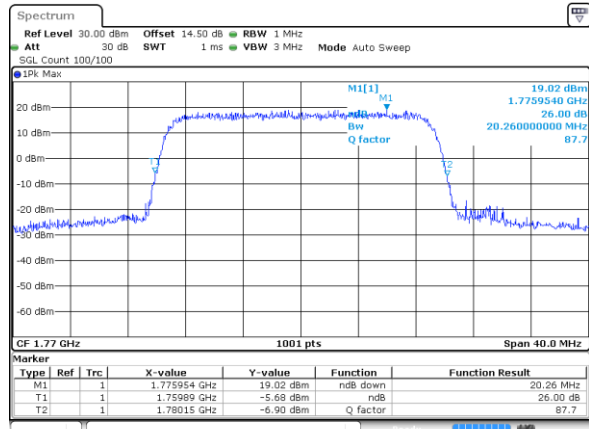
Date: 24 JUL 2019 11:17:47

Highest Channel / 15MHz / 64QAM



Date: 23 JUL 2019 16:42:24

Highest Channel / 20MHz / 64QAM



Date: 24 JUL 2019 11:23:09



Occupied Bandwidth

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	1.08	1.09	2.71	2.71	4.50	4.48	9.03	8.99	13.43	13.43	18.42	18.38
Middle CH	1.09	1.09	2.72	2.71	4.49	4.51	9.07	9.01	13.43	13.46	18.34	18.34
Highest CH	1.09	1.10	2.71	2.71	4.50	4.51	9.03	9.05	13.43	13.46	18.30	18.26

Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.09		2.72		4.46		8.99		13.46		18.46	
Middle CH	1.08		2.72		4.49		9.05		13.46		18.46	
Highest CH	1.09		2.72		4.52		8.99		13.43		18.50	

Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		1.4MHz	3MHz	5MHz	10MHz
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM	64QAM	64QAM
Lowest CH	1.09	1.09	2.71	2.71	4.49	4.50	9.05	9.01	1.09	2.72	4.50	9.03
Middle CH	1.09	1.09	2.72	2.75	4.48	4.48	9.05	8.99	1.09	2.73	4.48	9.01
Highest CH	1.09	1.09	2.71	2.72	4.49	4.48	8.99	9.03	1.08	2.72	4.49	9.07

Mode	LTE Band 13 : 99%OBW(MHz)											
BW	5MHz		10MHz		5MHz		10MHz					
Mod.	QPSK	16QAM	QPSK	16QAM	64QAM		64QAM					
Lowest CH	4.50	4.48	-	-	4.50		-					
Middle CH	4.50	4.49	9.01	8.97	4.51		9.03					
Highest CH	4.49	4.50	-	-	4.48		-					



Mode	LTE Band 17 : 99%OBW(MHz)									
BW	5MHz		10MHz		5MHz		10MHz			
Mod.	QPSK	16QAM	QPSK	16QAM	64QAM		64QAM			
Lowest CH	4.48	4.47	9.01	9.05	4.47		9.01			
Middle CH	4.49	4.49	9.05	8.97	4.49		9.05			
Highest CH	4.52	4.50	9.03	9.01	4.50		9.09			

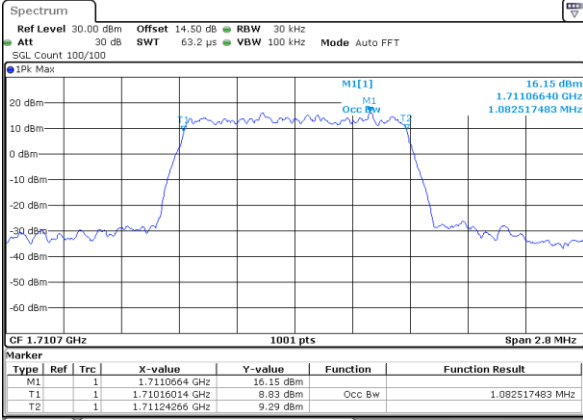
Mode	LTE Band 66 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.73	2.70	4.50	4.47	9.07	9.03	13.49	13.43	18.38	18.26
Middle CH	1.09	1.09	2.73	2.72	4.49	4.49	8.99	9.05	13.43	13.43	18.38	18.38
Highest CH	1.09	1.09	2.73	2.73	4.50	4.49	9.01	8.99	13.40	13.43	18.30	18.34

Mode	LTE Band 66 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.09		2.72		4.49		9.01		13.40		18.38	
Middle CH	1.09		2.74		4.49		9.03		13.43		18.42	
Highest CH	1.08		2.72		4.49		8.97		13.40		18.38	



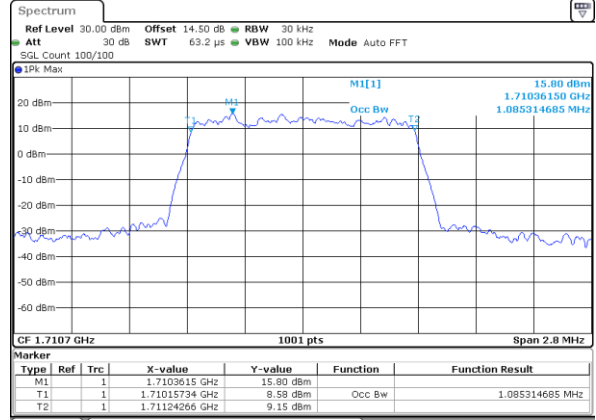
LTE Band 4

Lowest Channel / 1.4MHz / QPSK



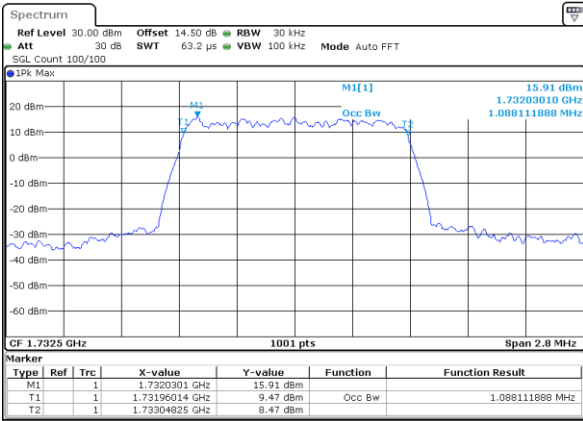
Date: 16_JUL_2019 22:31:33

Lowest Channel / 1.4MHz / 16QAM



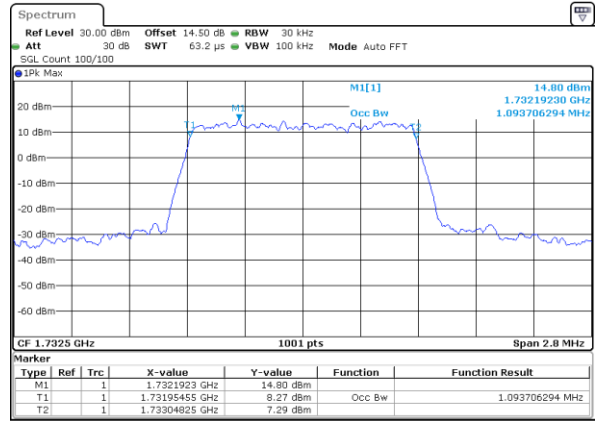
Date: 16_JUL_2019 22:31:42

Middle Channel / 1.4MHz / QPSK



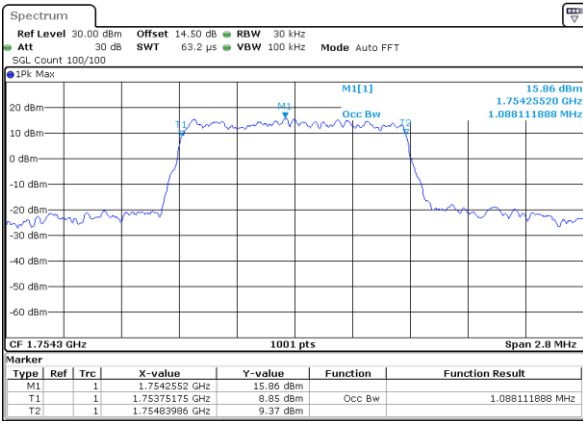
Date: 16_JUL_2019 22:38:37

Middle Channel / 1.4MHz / 16QAM



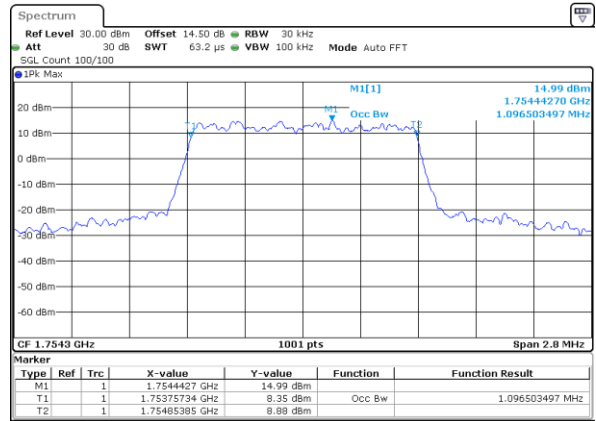
Date: 16_JUL_2019 22:38:47

Highest Channel / 1.4MHz / QPSK



Date: 16_JUL_2019 22:41:06

Highest Channel / 1.4MHz / 16QAM

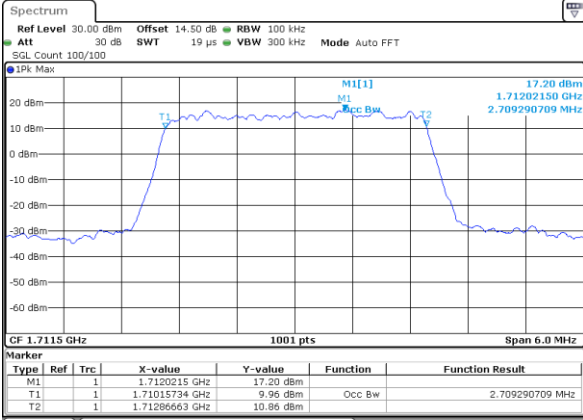


Date: 16_JUL_2019 22:41:17



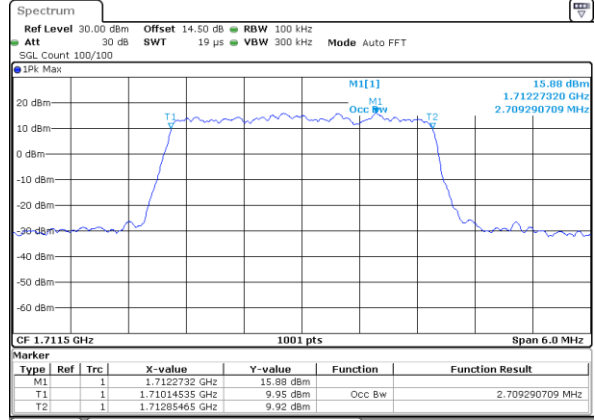
LTE Band 4

Lowest Channel / 3MHz / QPSK



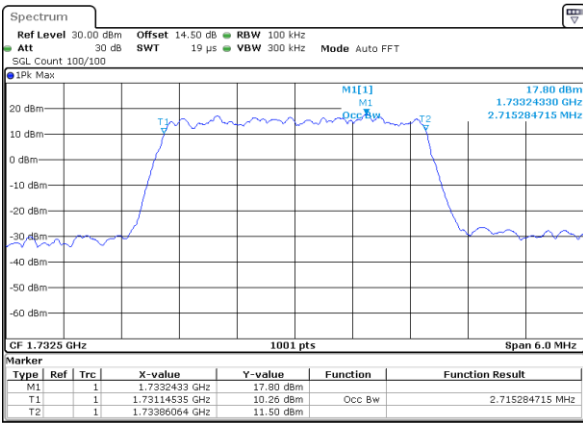
Date: 16_JUL_2019 22:54:30

Lowest Channel / 3MHz / 16QAM



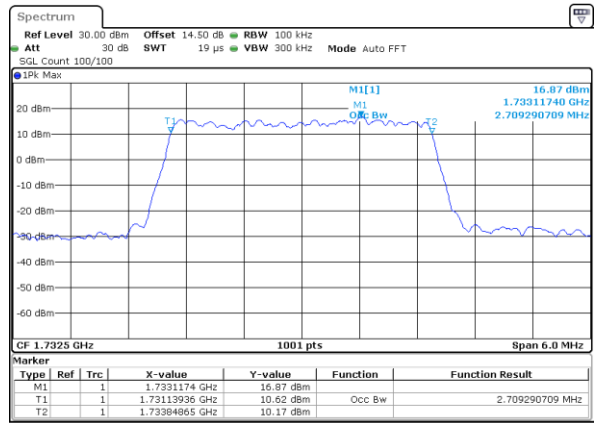
Date: 16_JUL_2019 22:54:41

Middle Channel / 3MHz / QPSK



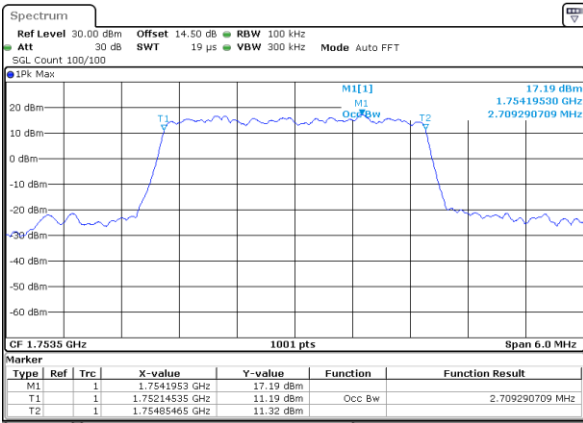
Date: 16_JUL_2019 23:01:05

Middle Channel / 3MHz / 16QAM



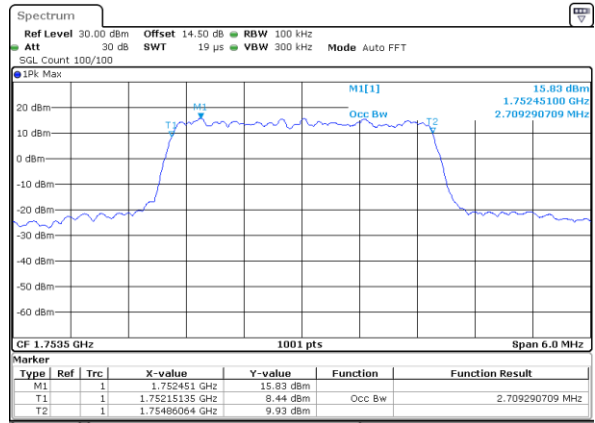
Date: 16_JUL_2019 23:01:46

Highest Channel / 3MHz / QPSK



Date: 16_JUL_2019 23:04:04

Highest Channel / 3MHz / 16QAM

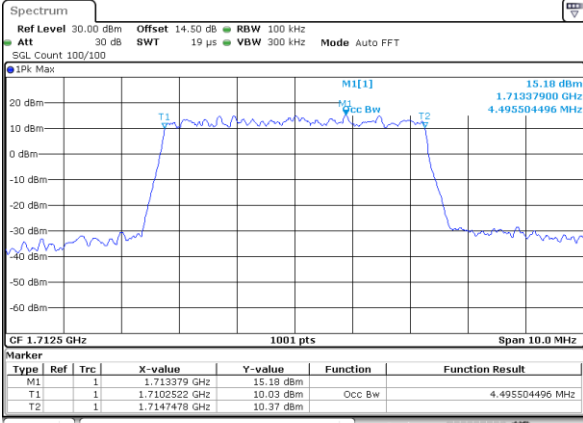


Date: 16_JUL_2019 23:04:14



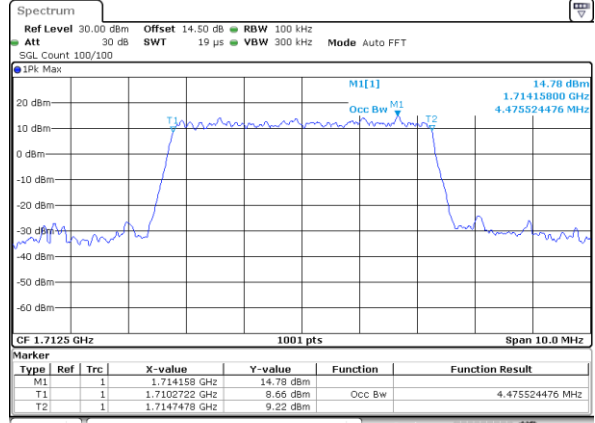
LTE Band 4

Lowest Channel / 5MHz / QPSK



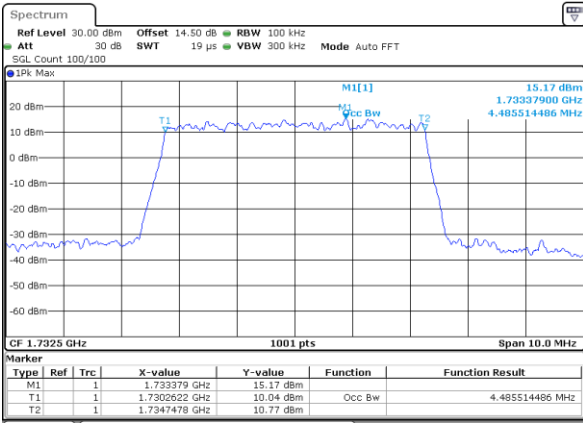
Date: 16_JUL_2019 23:11:33

Lowest Channel / 5MHz / 16QAM



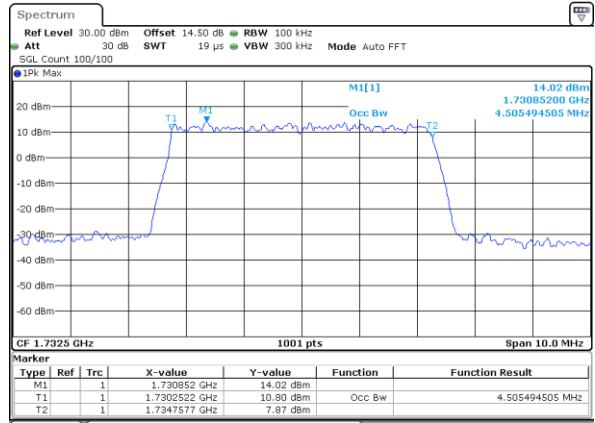
Date: 16_JUL_2019 23:11:43

Middle Channel / 5MHz / QPSK



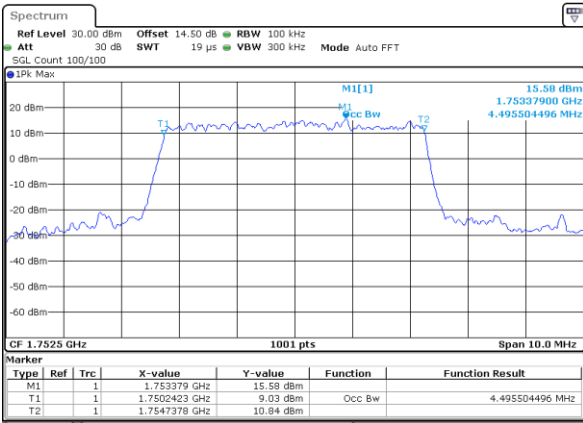
Date: 16_JUL_2019 23:18:08

Middle Channel / 5MHz / 16QAM



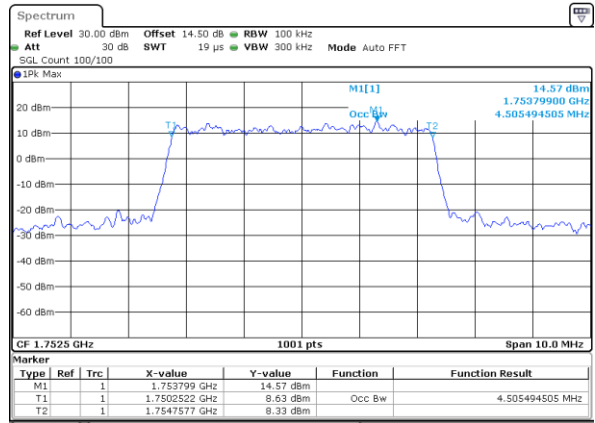
Date: 16_JUL_2019 23:18:48

Highest Channel / 5MHz / QPSK



Date: 16_JUL_2019 23:21:07

Highest Channel / 5MHz / 16QAM

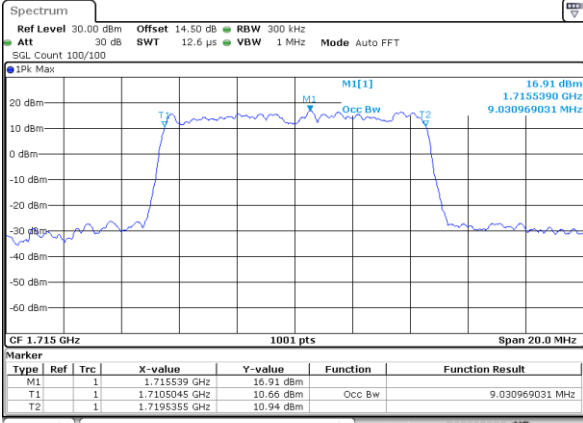


Date: 16_JUL_2019 23:21:17



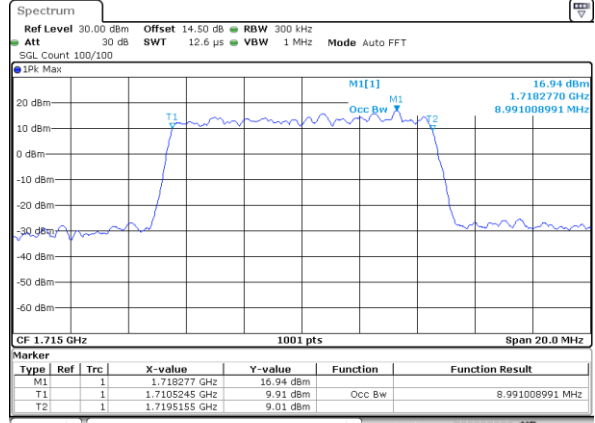
LTE Band 4

Lowest Channel / 10MHz / QPSK



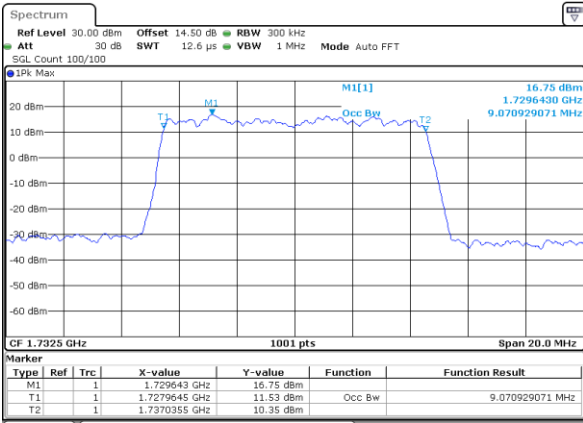
Date: 16_JUL_2019 23:34:59

Lowest Channel / 10MHz / 16QAM



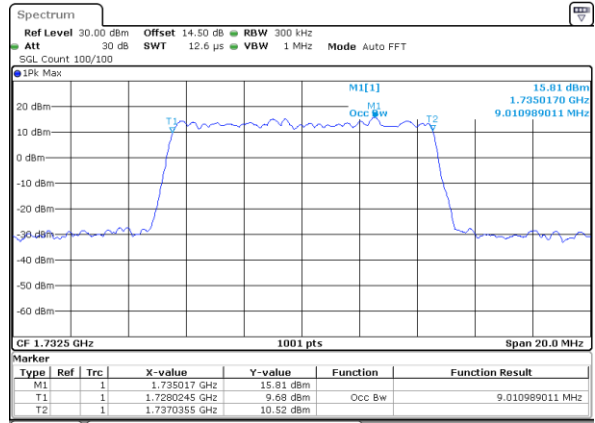
Date: 16_JUL_2019 23:35:09

Middle Channel / 10MHz / QPSK



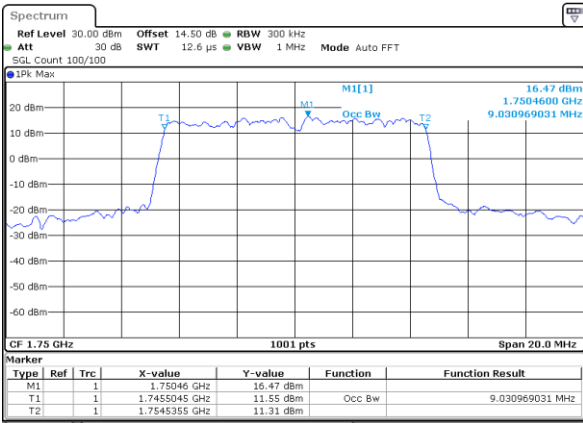
Date: 16_JUL_2019 23:42:04

Middle Channel / 10MHz / 16QAM



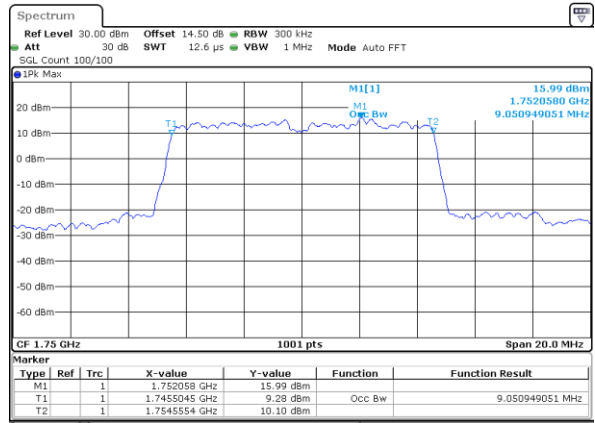
Date: 16_JUL_2019 23:42:14

Highest Channel / 10MHz / QPSK



Date: 16_JUL_2019 23:44:33

Highest Channel / 10MHz / 16QAM

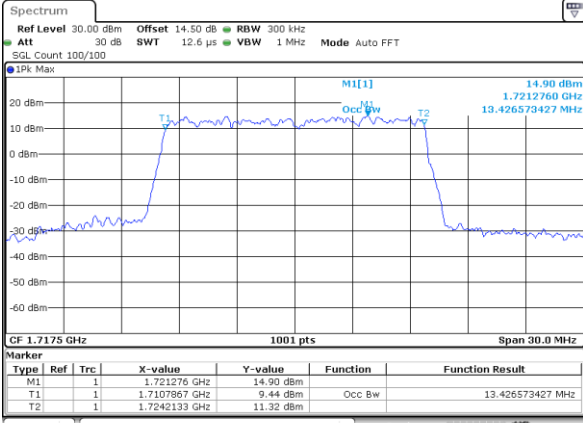


Date: 16_JUL_2019 23:44:43



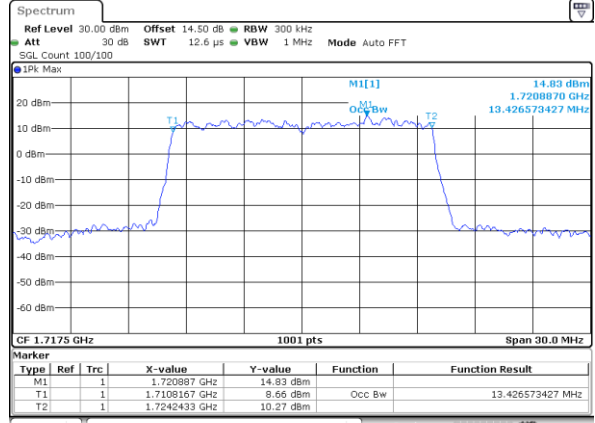
LTE Band 4

Lowest Channel / 15MHz / QPSK



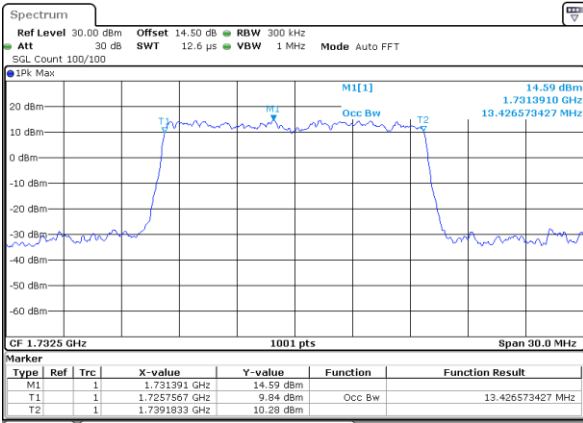
Date: 16_JUL_2019 23:55:20

Lowest Channel / 15MHz / 16QAM



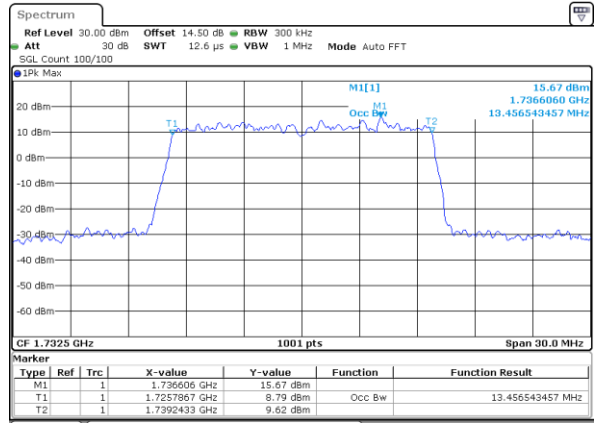
Date: 16_JUL_2019 23:55:139

Middle Channel / 15MHz / QPSK



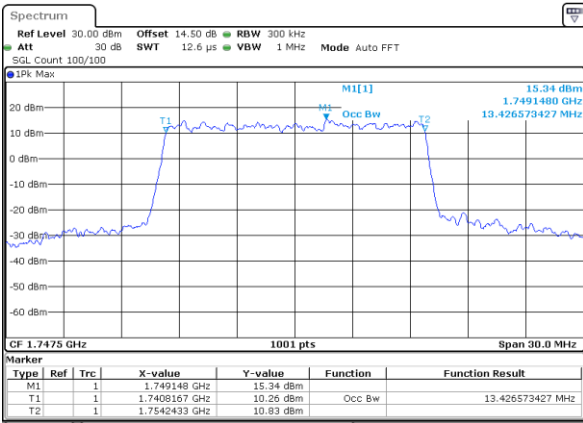
Date: 17_JUL_2019 00:02:33

Middle Channel / 15MHz / 16QAM



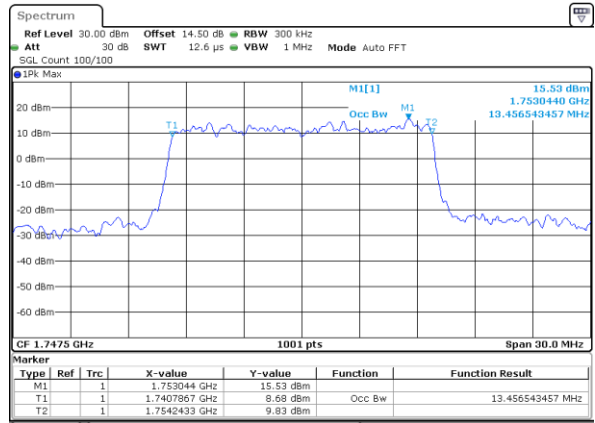
Date: 17_JUL_2019 00:02:143

Highest Channel / 15MHz / QPSK



Date: 17_JUL_2019 00:05:02

Highest Channel / 15MHz / 16QAM

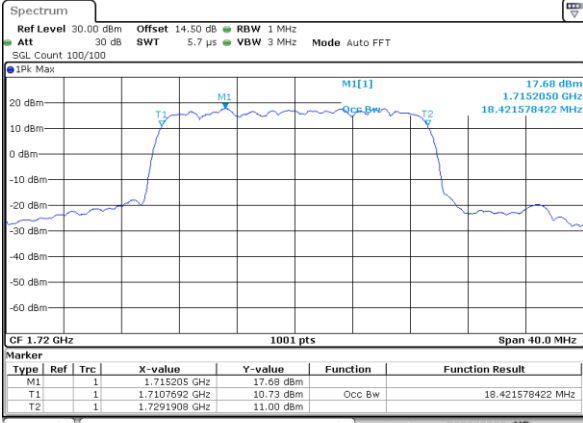


Date: 17_JUL_2019 00:05:12



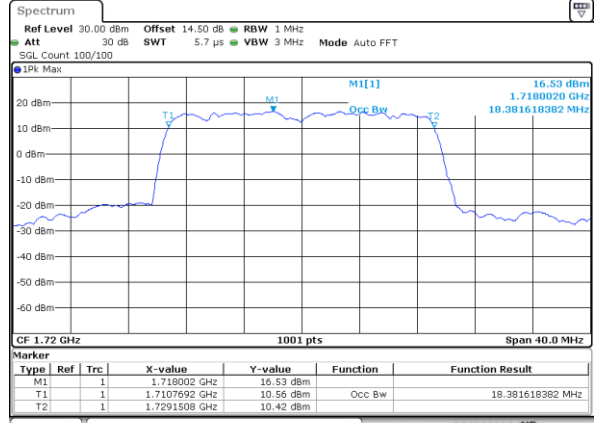
LTE Band 4

Lowest Channel / 20MHz / QPSK



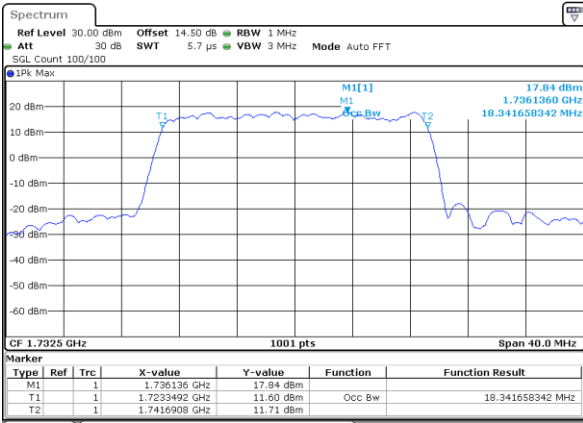
Date: 17_JUL_2019 00:12:23

Lowest Channel / 20MHz / 16QAM



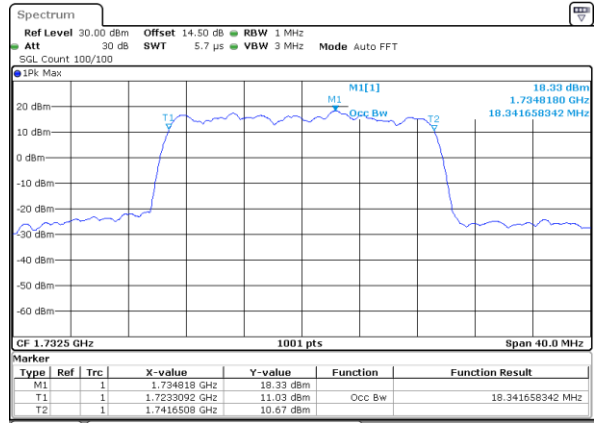
Date: 17_JUL_2019 00:12:33

Middle Channel / 20MHz / QPSK



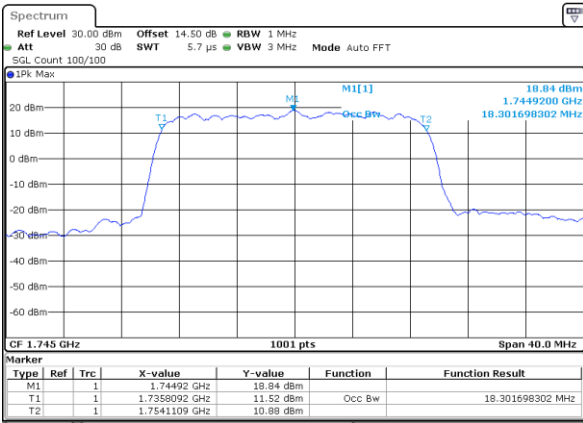
Date: 17_JUL_2019 00:19:27

Middle Channel / 20MHz / 16QAM



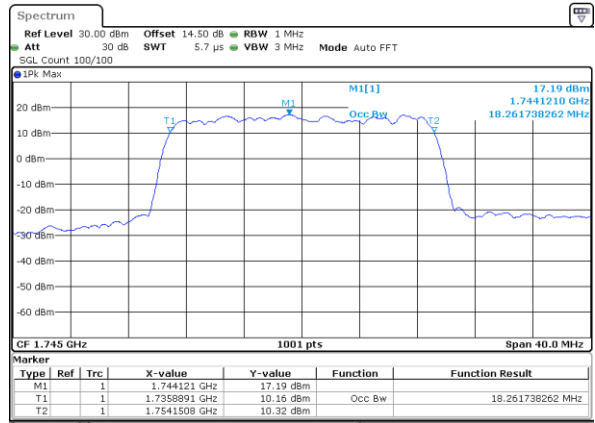
Date: 17_JUL_2019 00:19:37

Highest Channel / 20MHz / QPSK



Date: 17_JUL_2019 00:21:56

Highest Channel / 20MHz / 16QAM

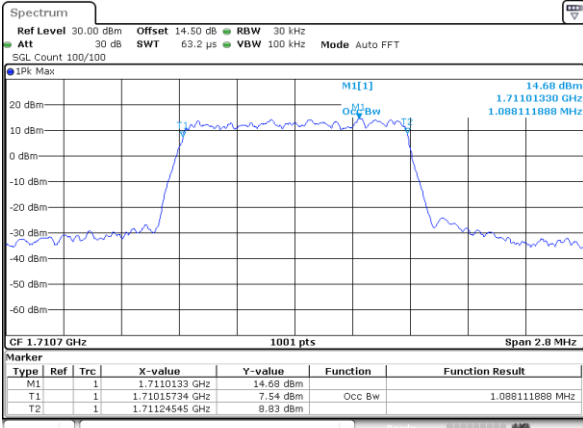


Date: 17_JUL_2019 00:22:06



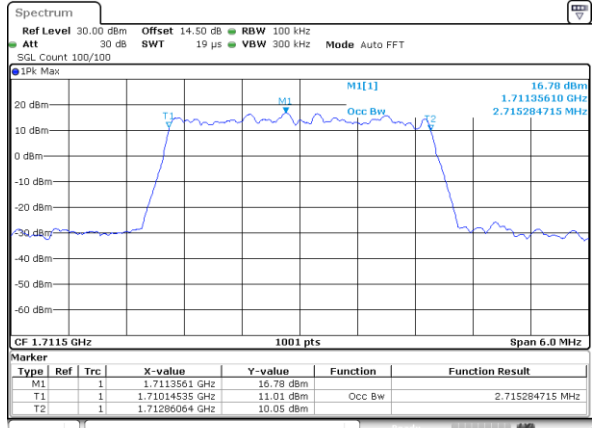
LTE Band 4

Lowest Channel / 1.4MHz / 64QAM



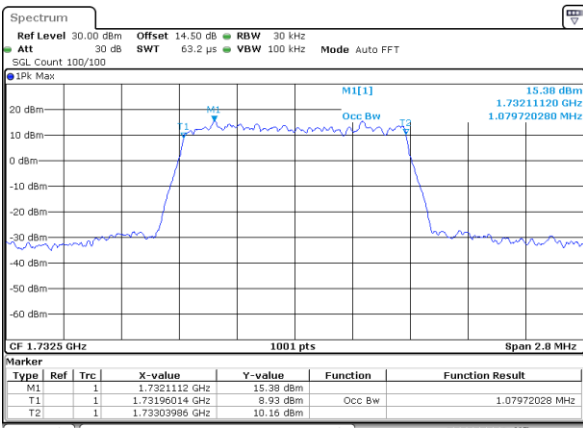
Date: 17_JUL_2019 00:42:02

Lowest Channel / 3MHz / 64QAM



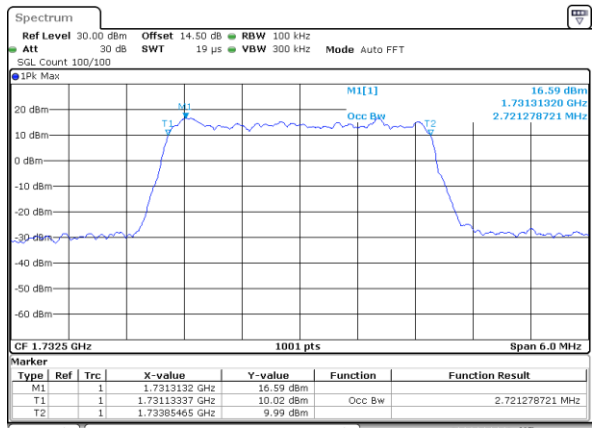
Date: 17_JUL_2019 00:50:21

Middle Channel / 1.4MHz / 64QAM



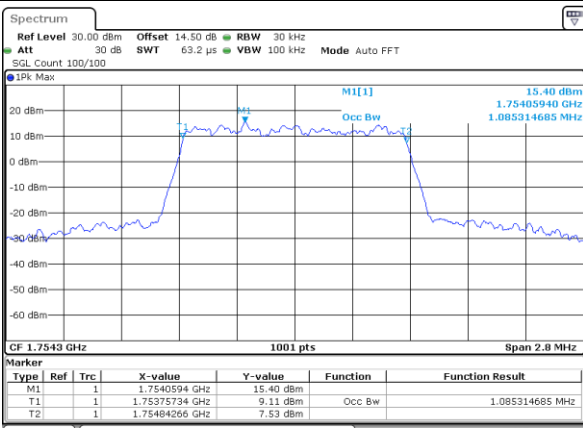
Date: 17_JUL_2019 00:45:34

Middle Channel / 3MHz / 64QAM



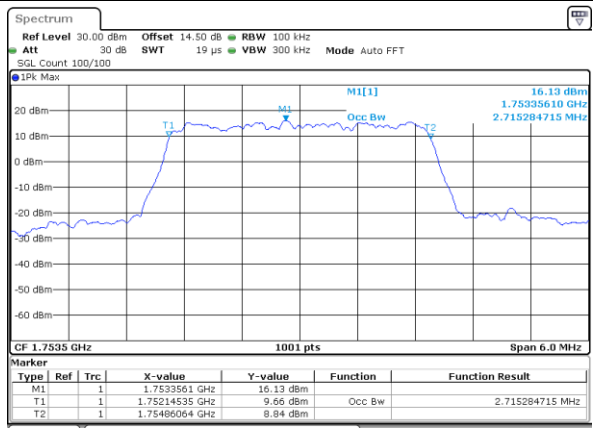
Date: 17_JUL_2019 00:53:53

Highest Channel / 1.4MHz / 64QAM



Date: 17_JUL_2019 00:46:48

Highest Channel / 3MHz / 64QAM

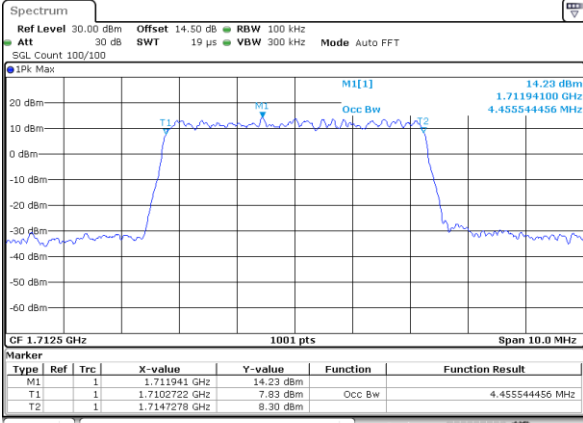


Date: 17_JUL_2019 00:55:07



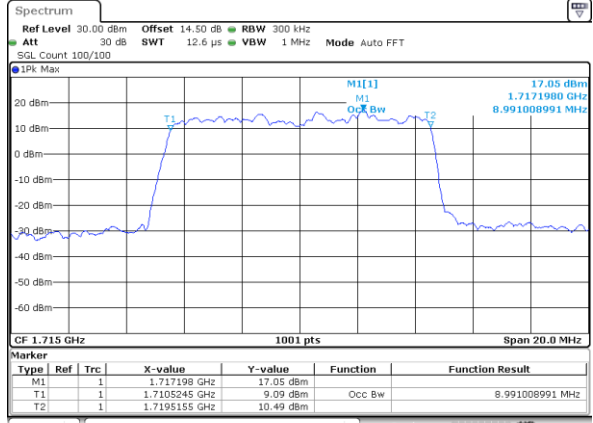
LTE Band 4

Lowest Channel / 5MHz / 64QAM



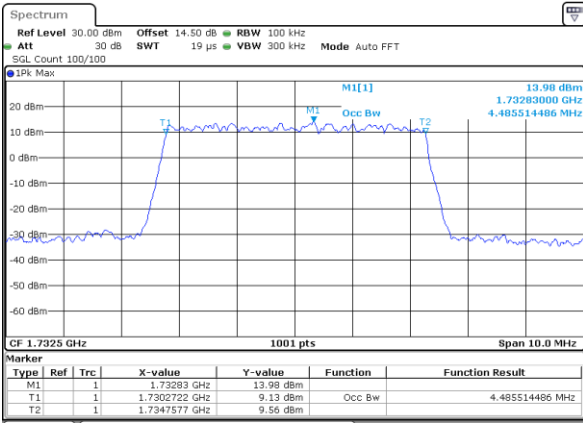
Date: 17_JUL_2019 00:58:40

Lowest Channel / 10MHz / 64QAM



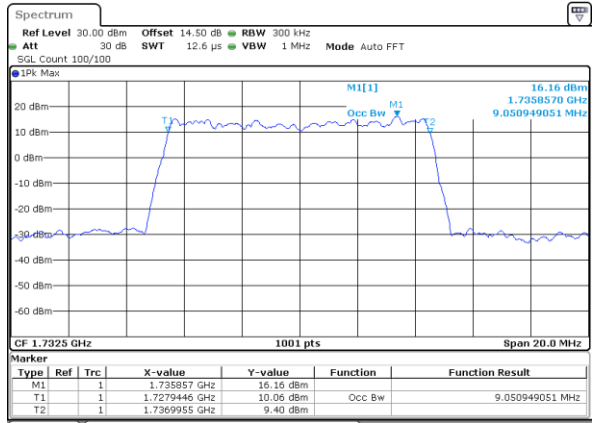
Date: 17_JUL_2019 01:06:58

Middle Channel / 5MHz / 64QAM



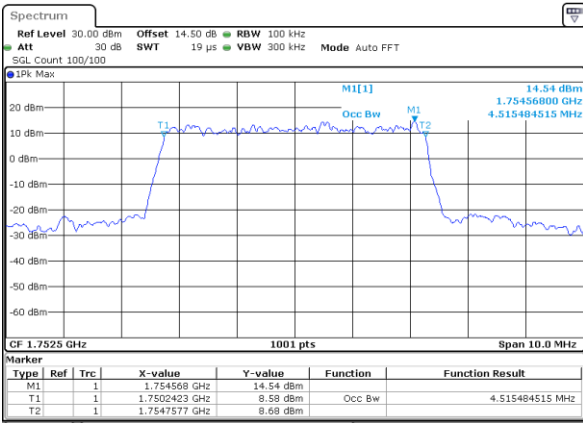
Date: 17_JUL_2019 01:02:12

Middle Channel / 10MHz / 64QAM



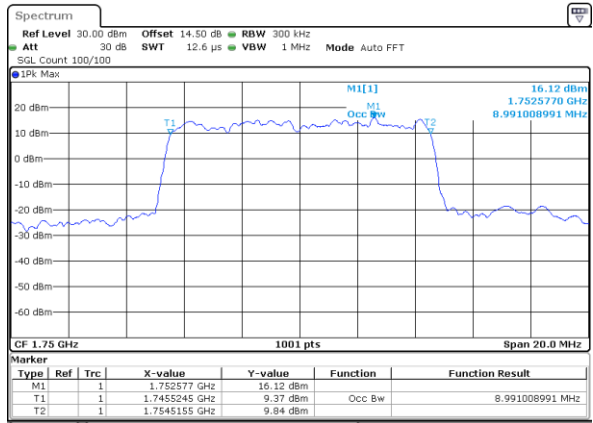
Date: 17_JUL_2019 01:10:30

Highest Channel / 5MHz / 64QAM



Date: 17_JUL_2019 01:03:26

Highest Channel / 10MHz / 64QAM

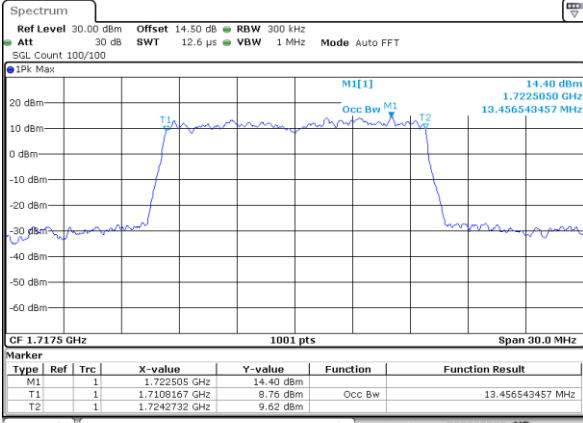


Date: 17_JUL_2019 01:11:45



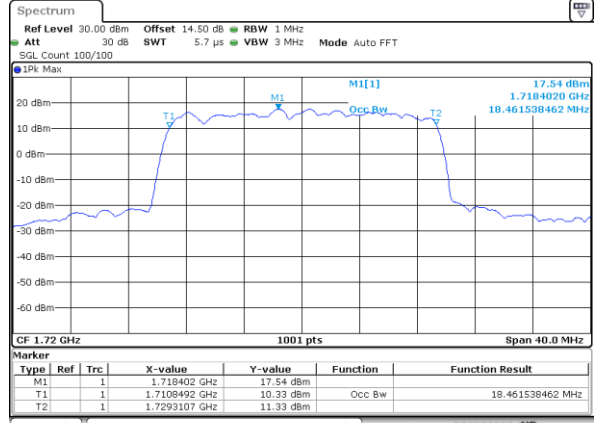
LTE Band 4

Lowest Channel / 15MHz / 64QAM



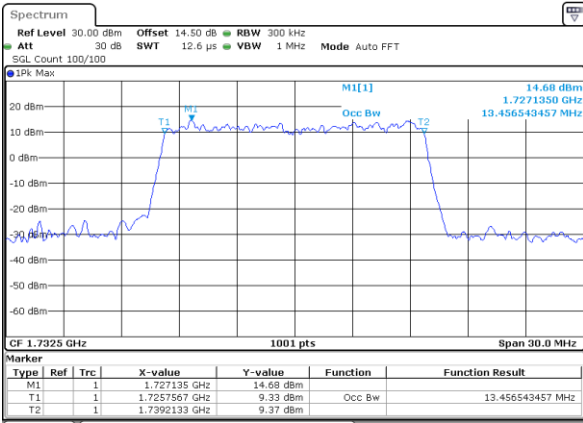
Date: 17_JUL_2019 01:15:17

Lowest Channel / 20MHz / 64QAM



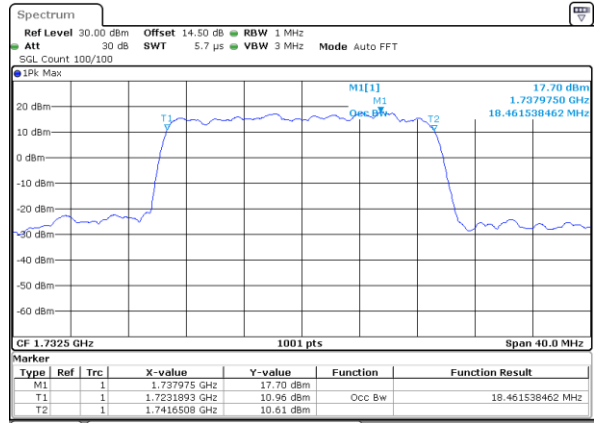
Date: 17_JUL_2019 01:23:35

Middle Channel / 15MHz / 64QAM



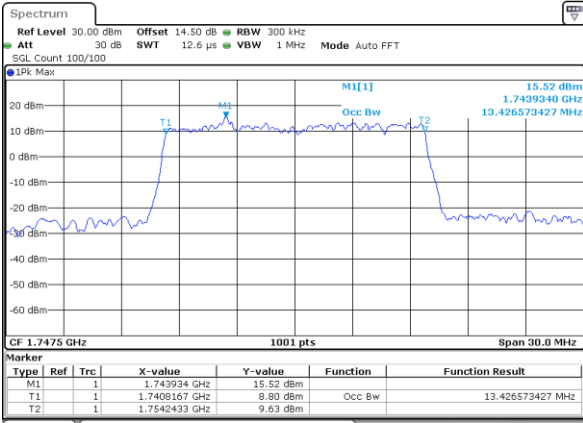
Date: 17_JUL_2019 01:18:49

Middle Channel / 20MHz / 64QAM



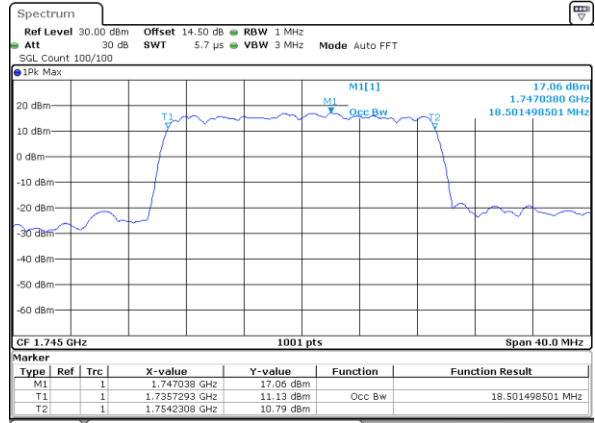
Date: 17_JUL_2019 01:27:08

Highest Channel / 15MHz / 64QAM



Date: 17_JUL_2019 01:20:03

Highest Channel / 20MHz / 64QAM

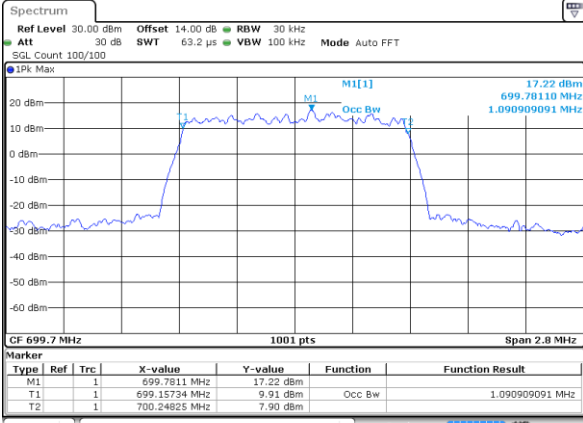


Date: 17_JUL_2019 01:28:22



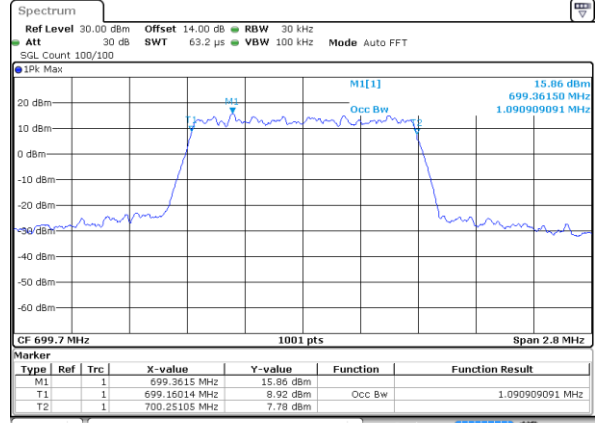
LTE Band 12

Lowest Channel / 1.4MHz / QPSK



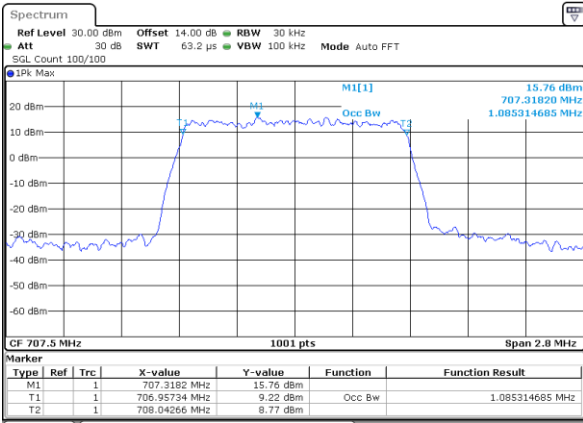
Date: 14 JUL 2019 13:38:13

Lowest Channel / 1.4MHz / 16QAM



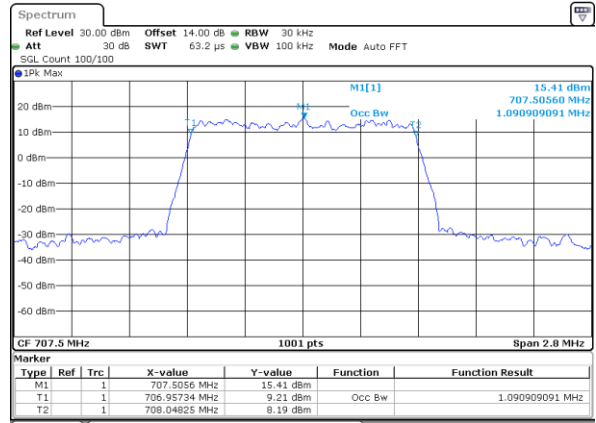
Date: 14 JUL 2019 13:38:24

Middle Channel / 1.4MHz / QPSK



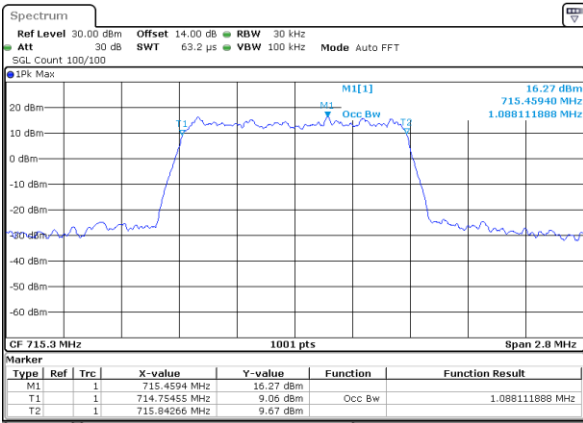
Date: 14 JUL 2019 13:40:42

Middle Channel / 1.4MHz / 16QAM



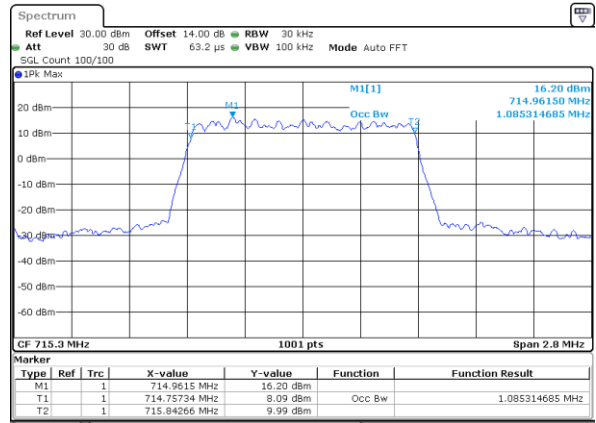
Date: 14 JUL 2019 13:40:53

Highest Channel / 1.4MHz / QPSK



Date: 14 JUL 2019 13:43:11

Highest Channel / 1.4MHz / 16QAM

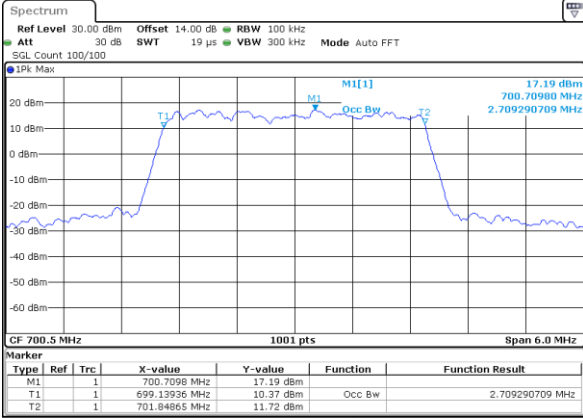


Date: 14 JUL 2019 13:43:21



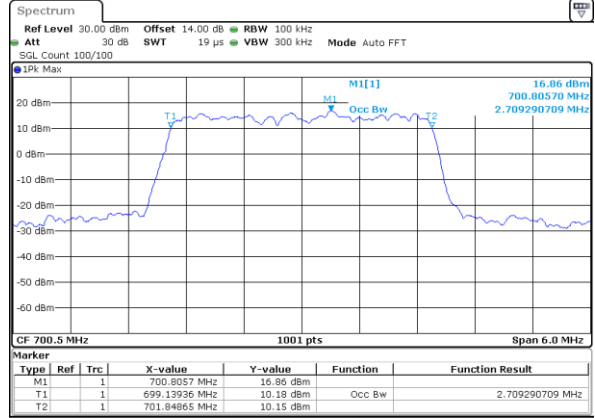
LTE Band 12

Lowest Channel / 3MHz / QPSK



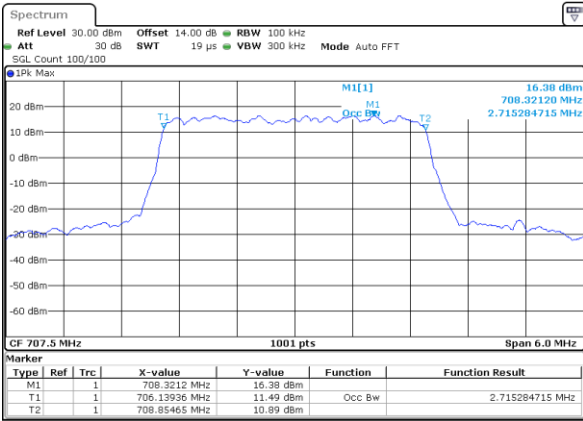
Date: 14 JUL 2019 13:45:39

Lowest Channel / 3MHz / 16QAM



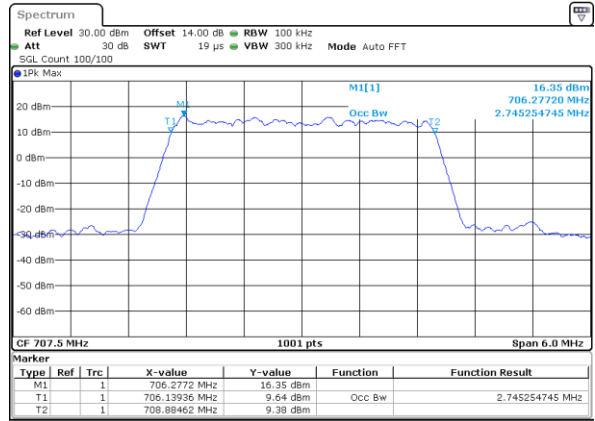
Date: 14 JUL 2019 13:45:50

Middle Channel / 3MHz / QPSK



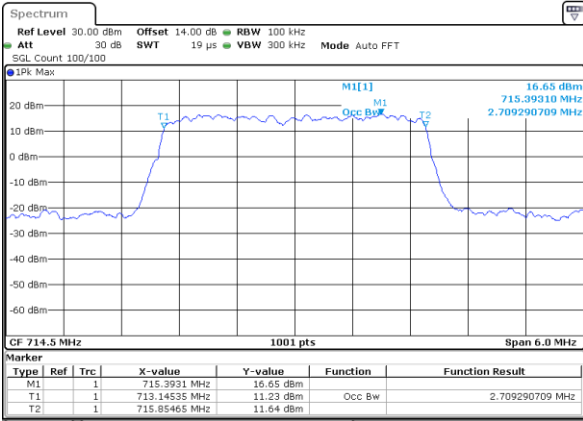
Date: 14 JUL 2019 13:48:08

Middle Channel / 3MHz / 16QAM



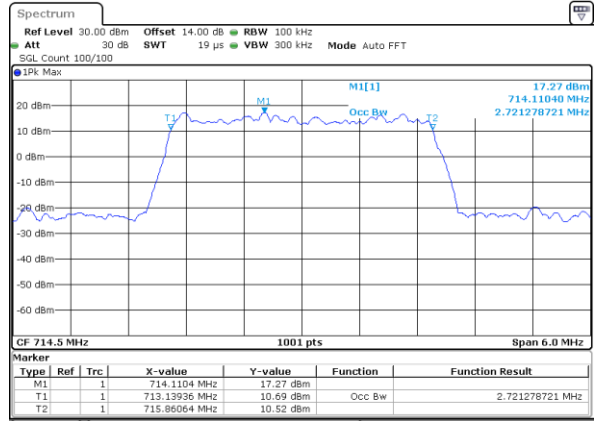
Date: 14 JUL 2019 13:48:18

Highest Channel / 3MHz / QPSK



Date: 14 JUL 2019 13:50:37

Highest Channel / 3MHz / 16QAM

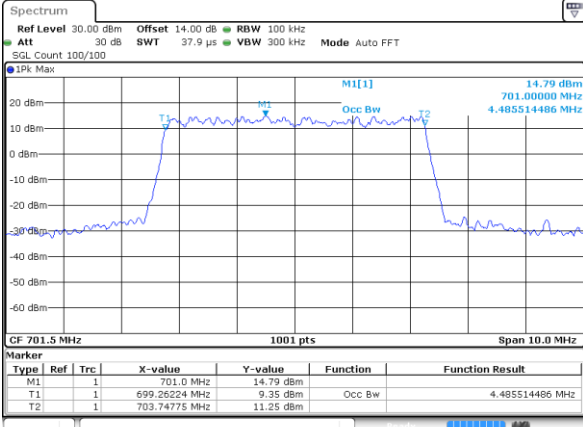


Date: 14 JUL 2019 13:50:47



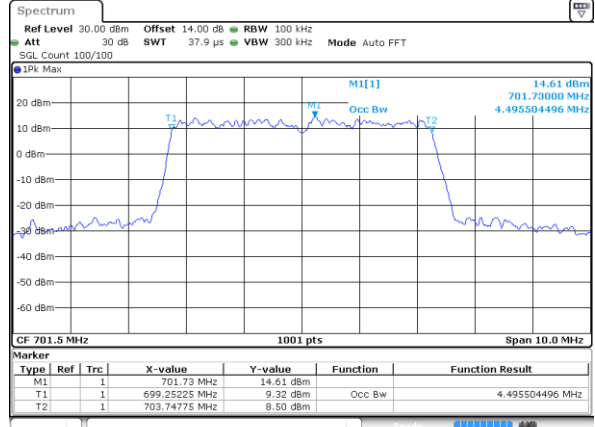
LTE Band 12

Lowest Channel / 5MHz / QPSK



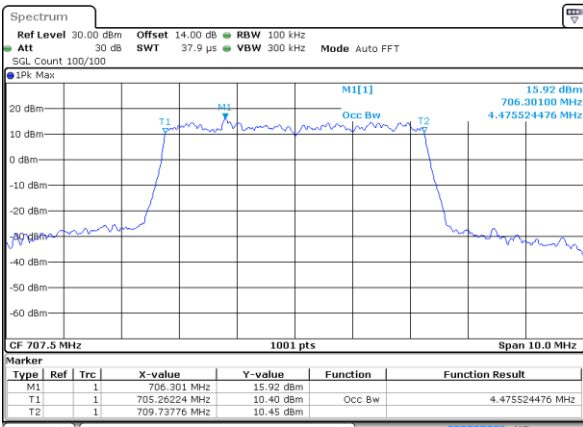
Date: 14 JUL 2019 13:53:05

Lowest Channel / 5MHz / 16QAM



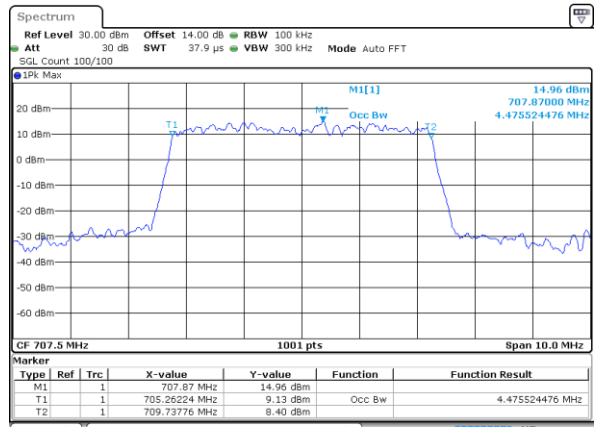
Date: 14 JUL 2019 13:53:15

Middle Channel / 5MHz / QPSK



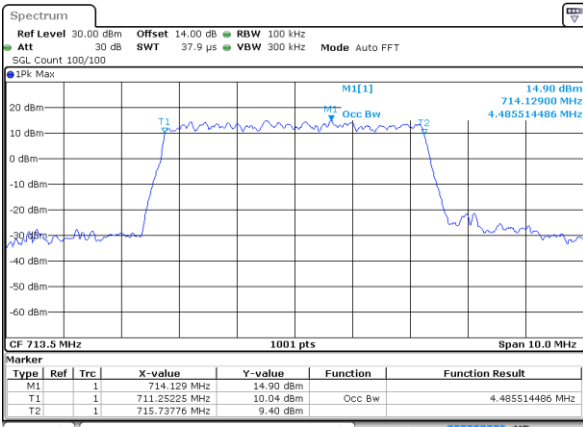
Date: 14 JUL 2019 13:55:34

Middle Channel / 5MHz / 16QAM



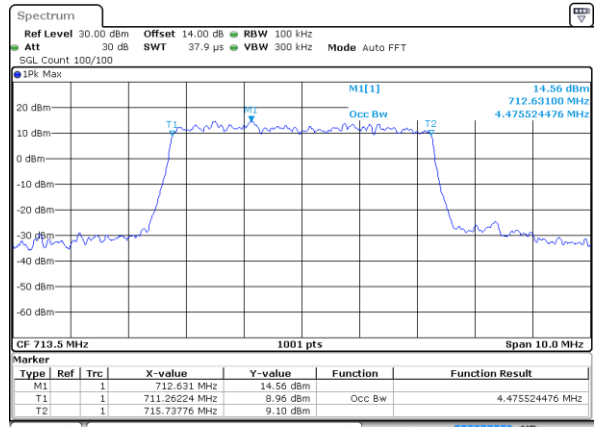
Date: 14 JUL 2019 13:55:44

Highest Channel / 5MHz / QPSK



Date: 14 JUL 2019 13:58:02

Highest Channel / 5MHz / 16QAM

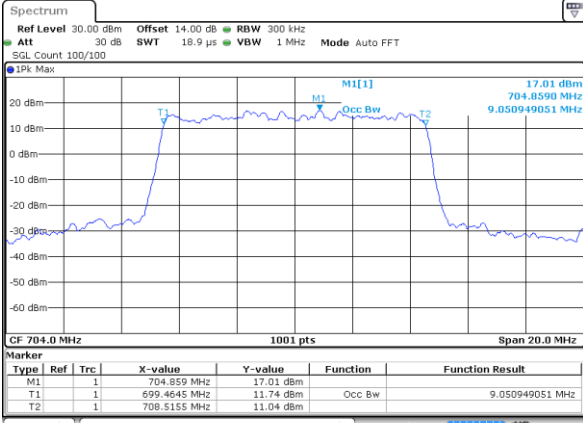


Date: 14 JUL 2019 13:58:13



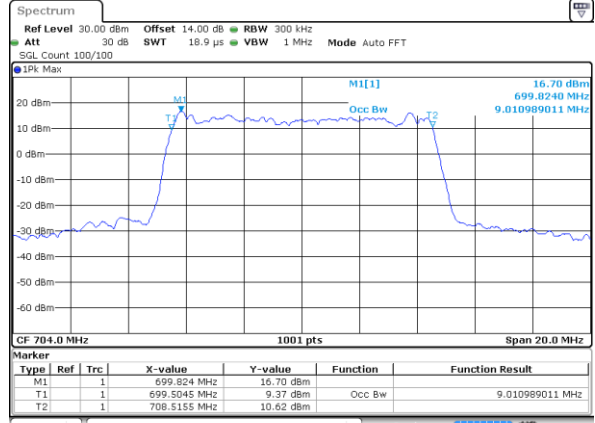
LTE Band 12

Lowest Channel / 10MHz / QPSK



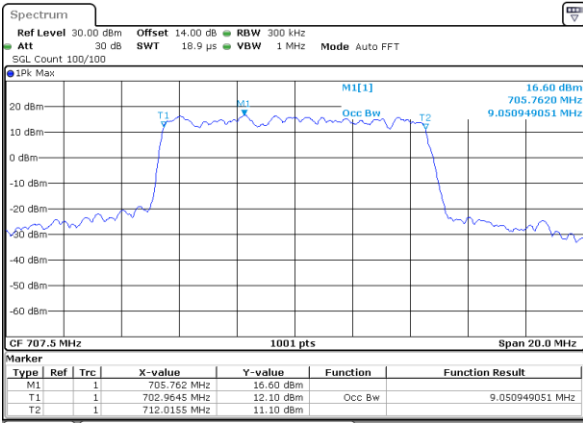
Date: 14 JUL 2019 14:00:31

Lowest Channel / 10MHz / 16QAM



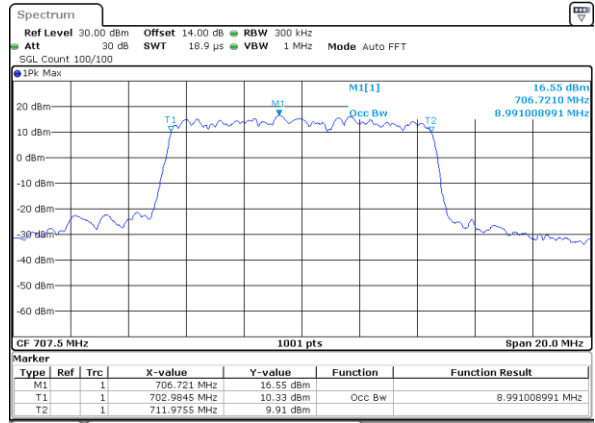
Date: 14 JUL 2019 14:00:41

Middle Channel / 10MHz / QPSK



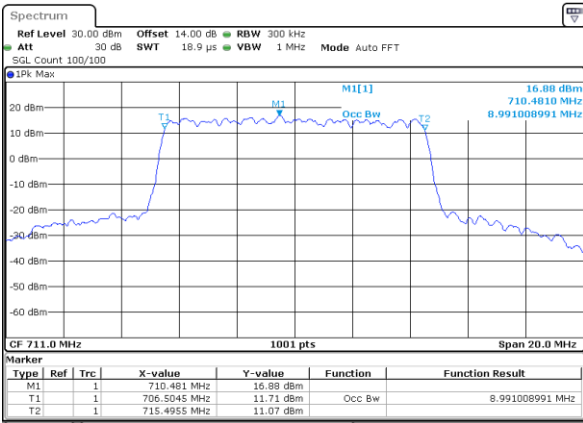
Date: 14 JUL 2019 14:02:59

Middle Channel / 10MHz / 16QAM



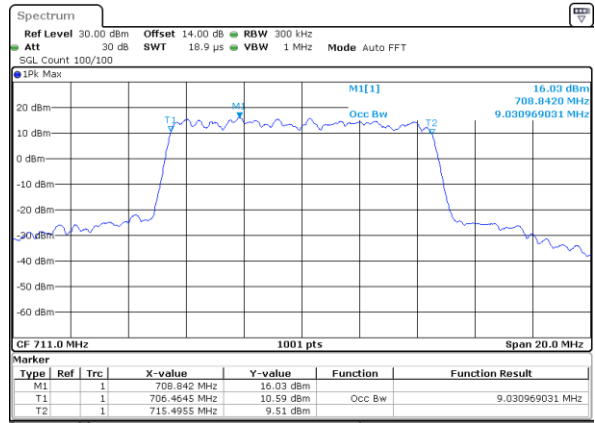
Date: 14 JUL 2019 14:03:10

Highest Channel / 10MHz / QPSK



Date: 14 JUL 2019 14:05:28

Highest Channel / 10MHz / 16QAM

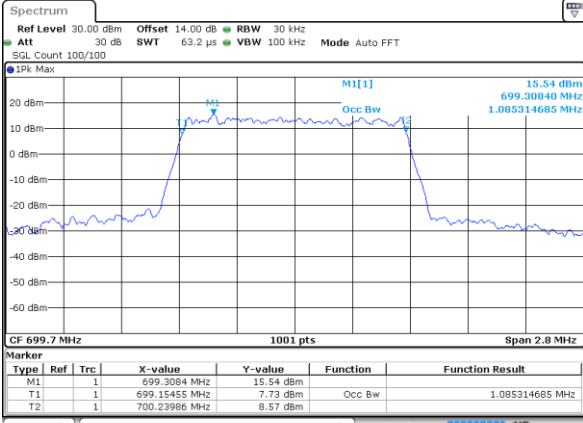


Date: 14 JUL 2019 14:05:38



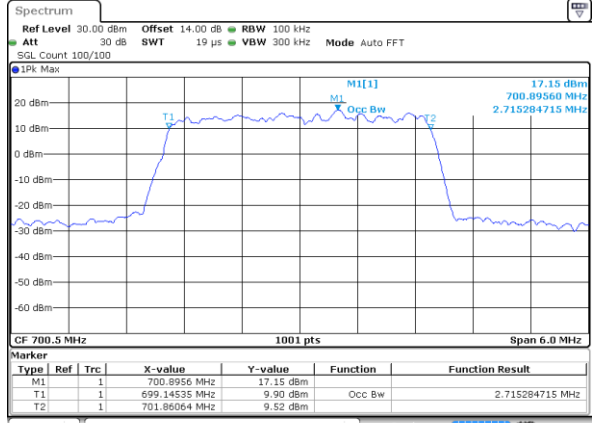
LTE Band 12

Lowest Channel / 1.4MHz / 64QAM



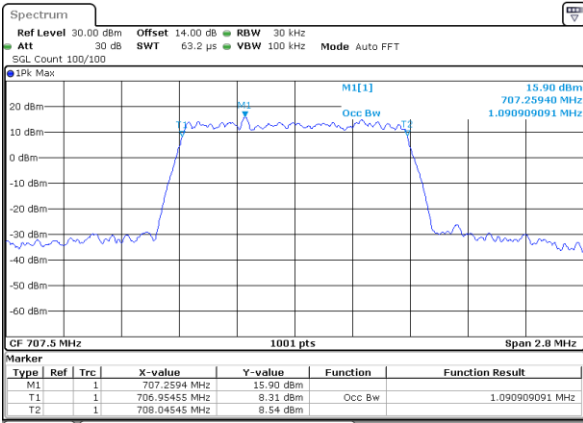
Date: 14 JUL 2019 14:10:41

Lowest Channel / 3MHz / 64QAM



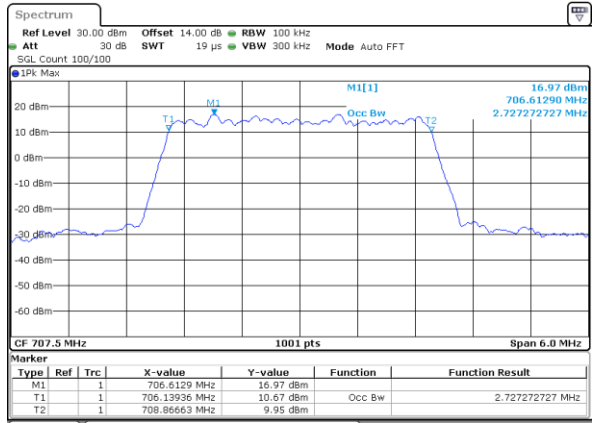
Date: 14 JUL 2019 14:14:24

Middle Channel / 1.4MHz / 64QAM



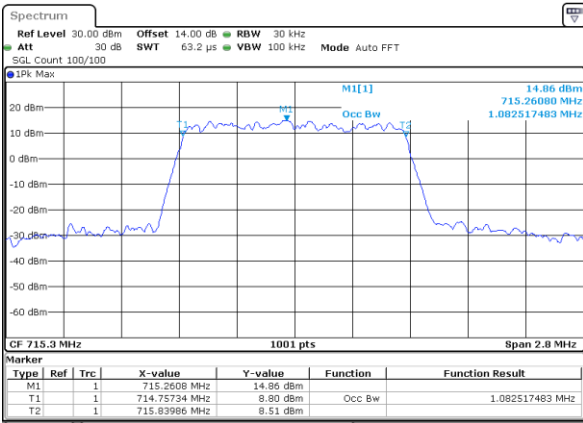
Date: 14 JUL 2019 14:11:56

Middle Channel / 3MHz / 64QAM



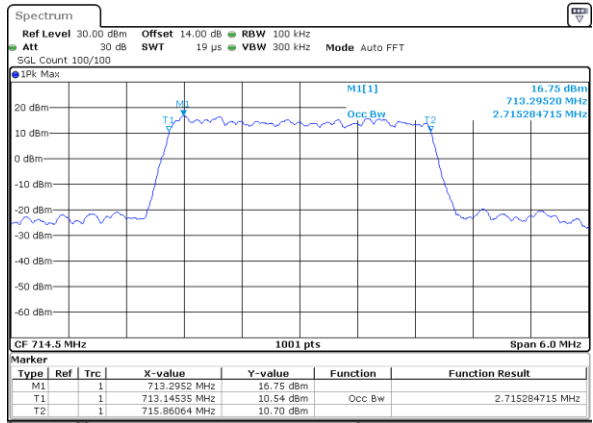
Date: 14 JUL 2019 14:15:39

Highest Channel / 1.4MHz / 64QAM



Date: 14 JUL 2019 14:13:10

Highest Channel / 3MHz / 64QAM

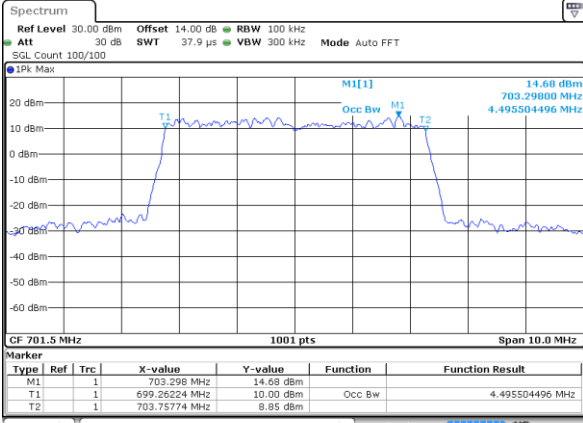


Date: 14 JUL 2019 14:16:53



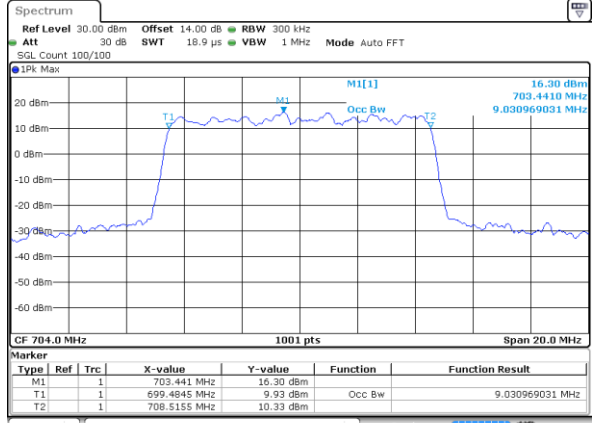
LTE Band 12

Lowest Channel / 5MHz / 64QAM



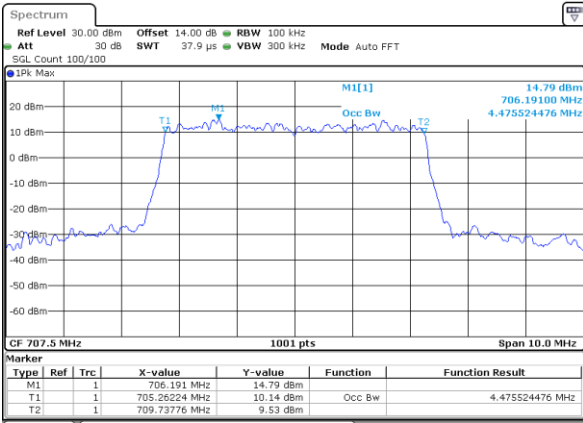
Date: 14 JUL 2019 14:18:07

Lowest Channel / 10MHz / 64QAM



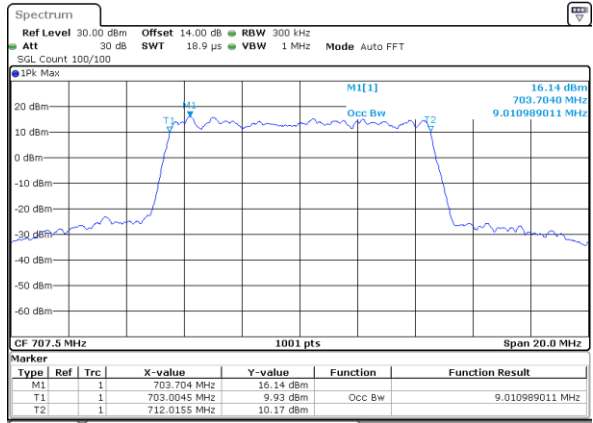
Date: 14 JUL 2019 14:21:50

Middle Channel / 5MHz / 64QAM



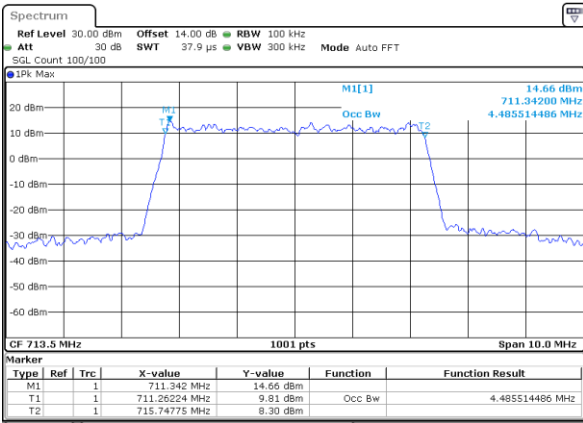
Date: 14 JUL 2019 14:19:21

Middle Channel / 10MHz / 64QAM



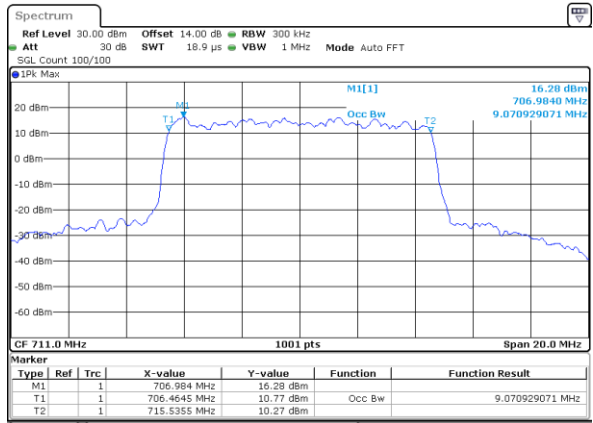
Date: 14 JUL 2019 14:23:04

Highest Channel / 5MHz / 64QAM



Date: 14 JUL 2019 14:20:36

Highest Channel / 10MHz / 64QAM

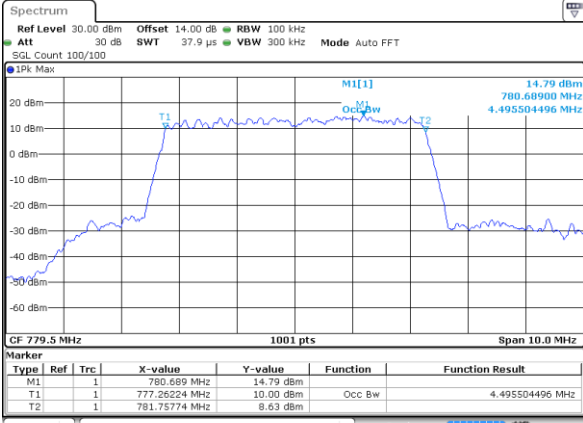


Date: 14 JUL 2019 14:24:19



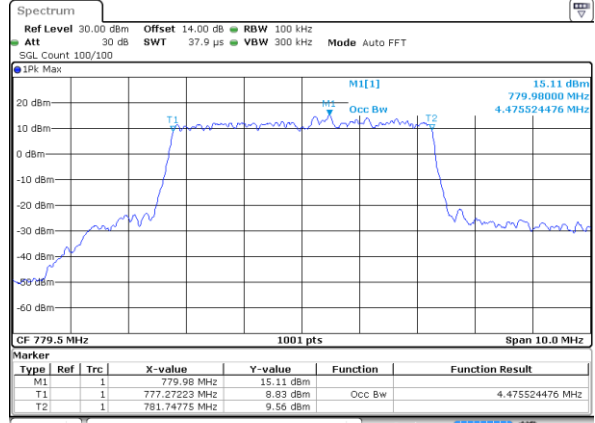
LTE Band 13

Lowest Channel / 5MHz / QPSK



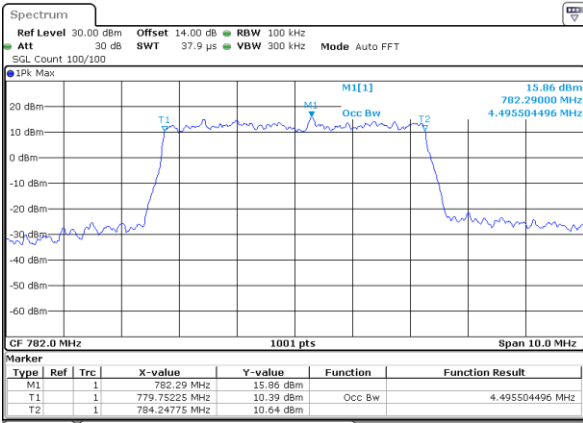
Date: 22 JUL 2019 11:59:07

Lowest Channel / 5MHz / 16QAM



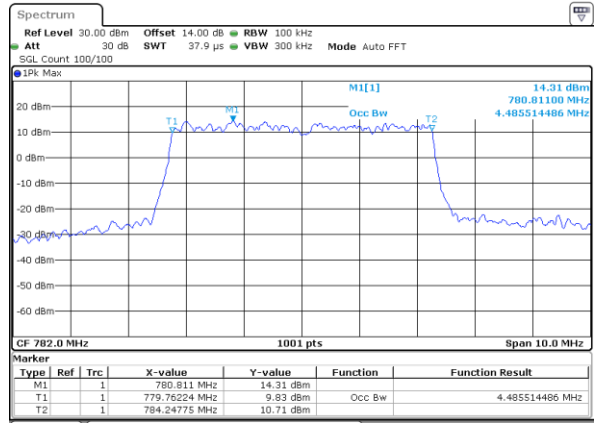
Date: 22 JUL 2019 11:59:17

Middle Channel / 5MHz / QPSK



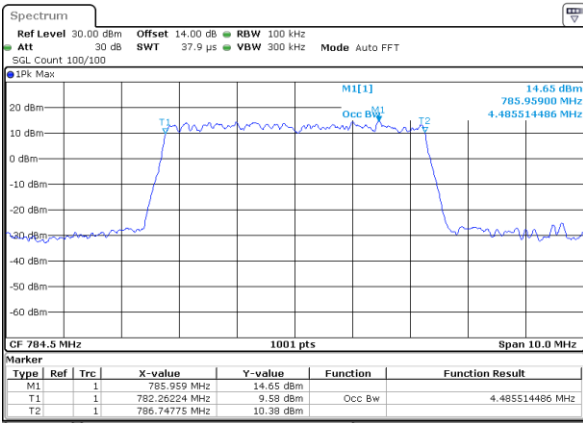
Date: 22 JUL 2019 12:08:07

Middle Channel / 5MHz / 16QAM



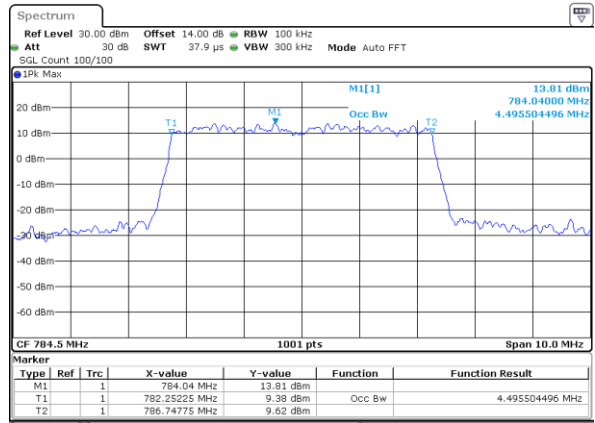
Date: 22 JUL 2019 12:08:17

Highest Channel / 5MHz / QPSK



Date: 22 JUL 2019 12:10:35

Highest Channel / 5MHz / 16QAM

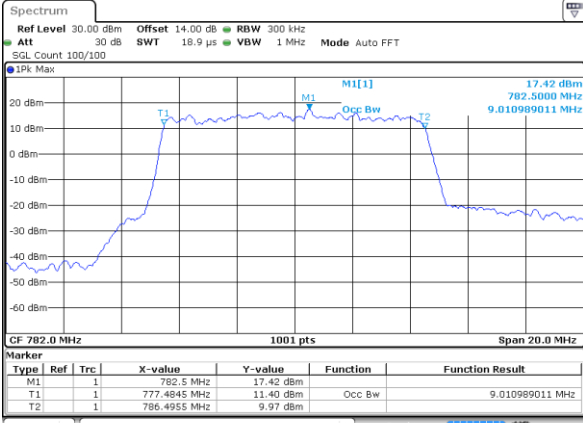


Date: 22 JUL 2019 12:10:45



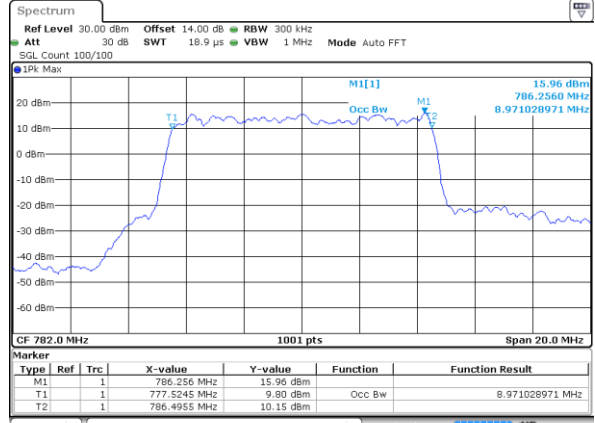
LTE Band 13

Middle Channel / 10MHz / QPSK



Date: 22 JUL 2019 12:19:44

Middle Channel / 10MHz / 16QAM

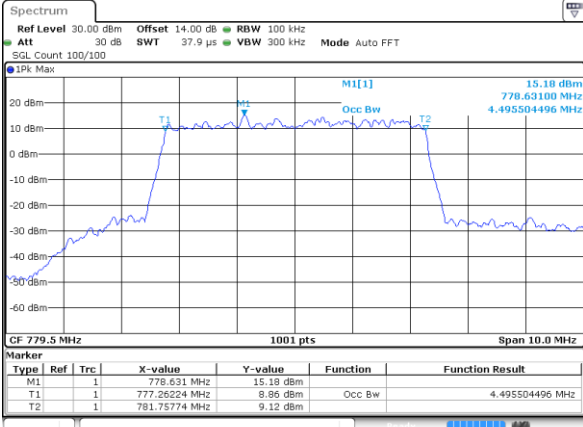


Date: 22 JUL 2019 12:19:54

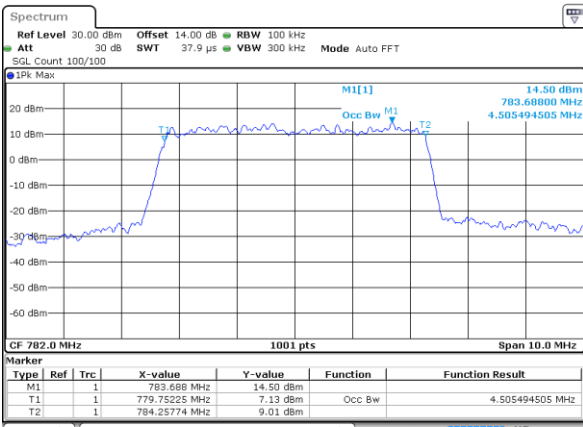


LTE Band 13

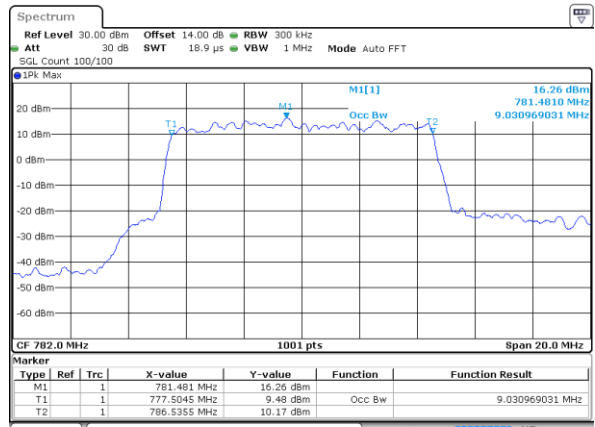
Lowest Channel / 5MHz / 64QAM



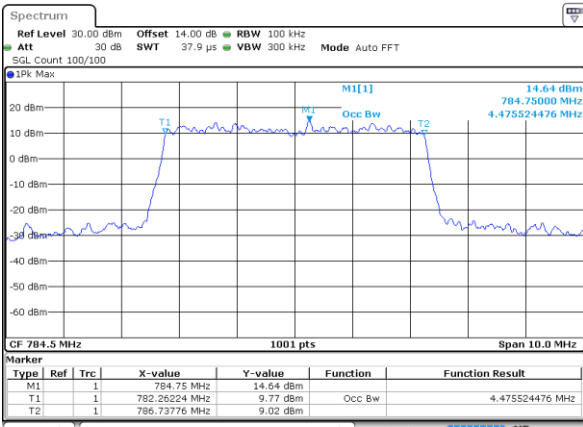
Middle Channel / 5MHz / 64QAM



Middle Channel / 10MHz / 64QAM



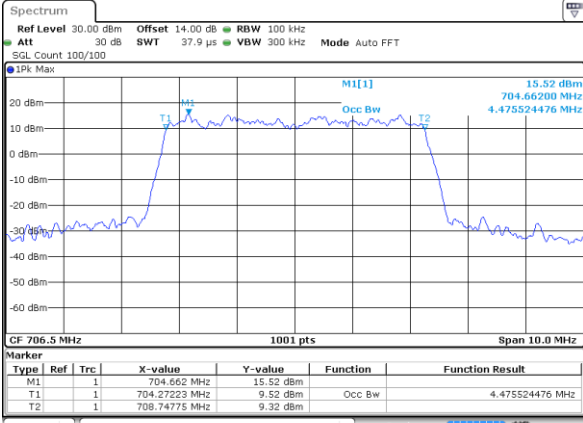
Highest Channel / 5MHz / 64QAM





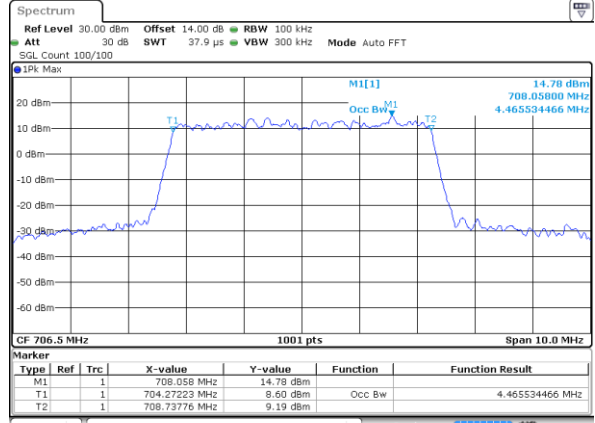
LTE Band 17

Lowest Channel / 5MHz / QPSK



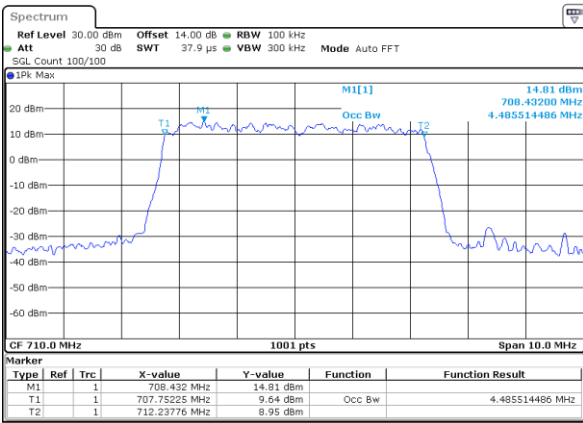
Date: 22 JUL 2019 10:18:47

Lowest Channel / 5MHz / 16QAM



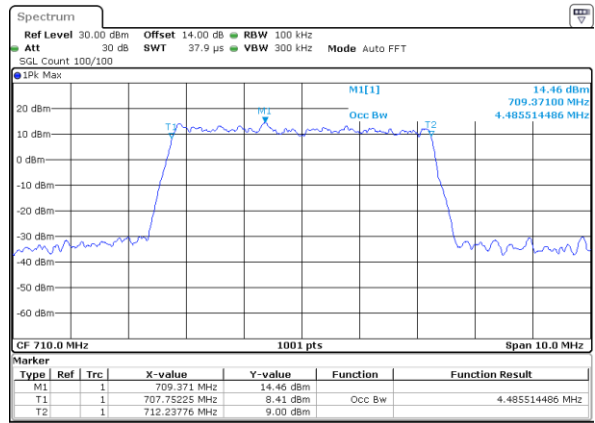
Date: 22 JUL 2019 10:18:57

Middle Channel / 5MHz / QPSK



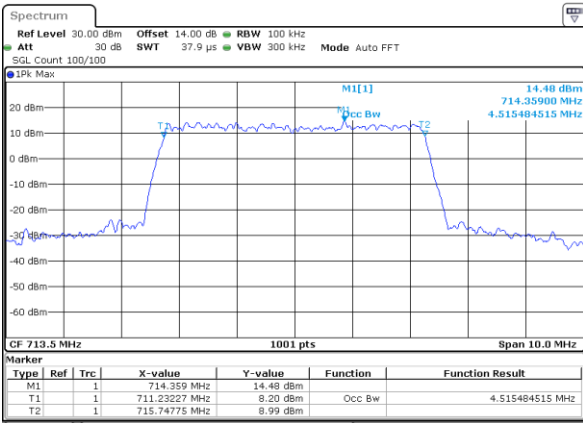
Date: 22 JUL 2019 10:25:47

Middle Channel / 5MHz / 16QAM



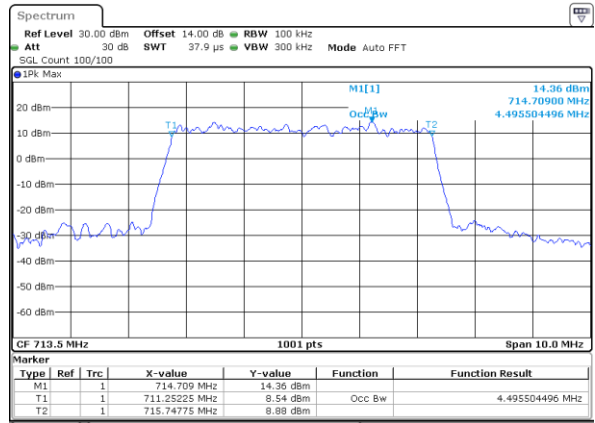
Date: 22 JUL 2019 10:25:57

Highest Channel / 5MHz / QPSK



Date: 22 JUL 2019 10:28:14

Highest Channel / 5MHz / 16QAM

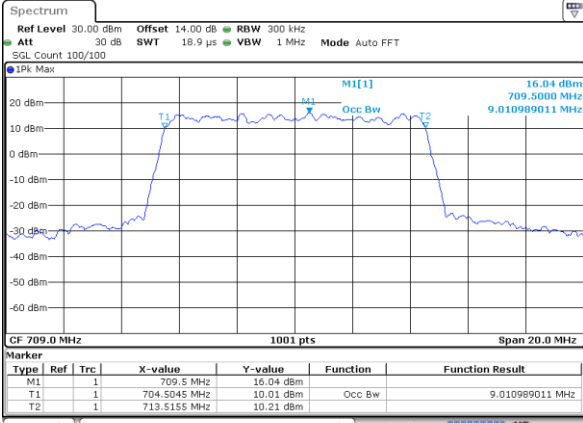


Date: 22 JUL 2019 10:28:25



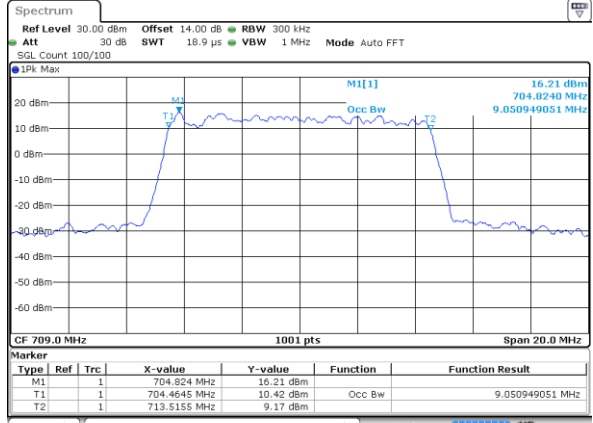
LTE Band 17

Lowest Channel / 10MHz / QPSK



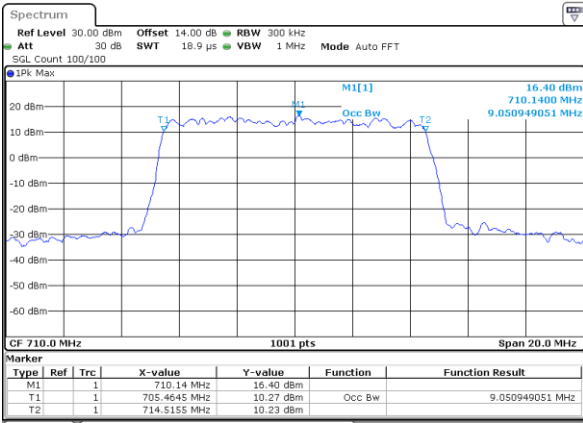
Date: 22 JUL 2019 10:35:15

Lowest Channel / 10MHz / 16QAM



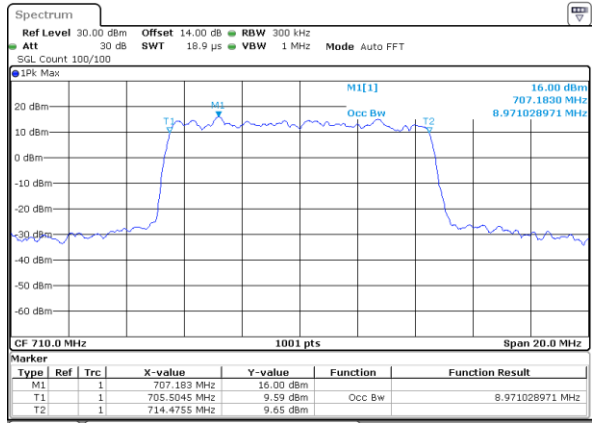
Date: 22 JUL 2019 10:35:25

Middle Channel / 10MHz / QPSK



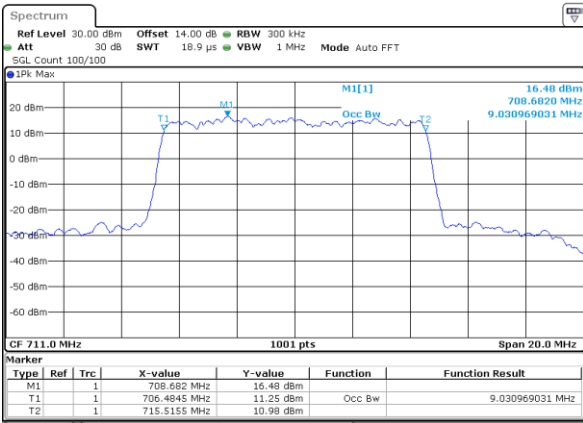
Date: 22 JUL 2019 10:42:14

Middle Channel / 10MHz / 16QAM



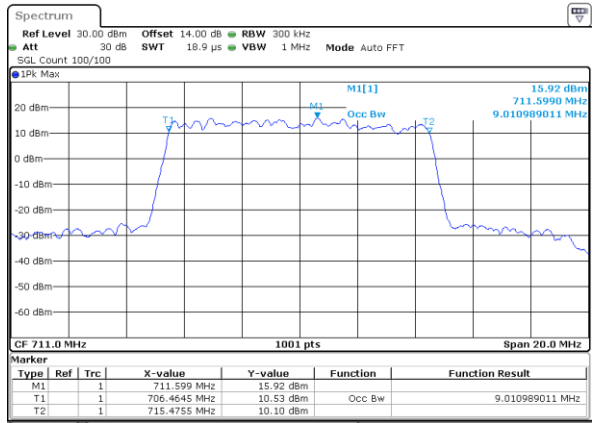
Date: 22 JUL 2019 10:42:25

Highest Channel / 10MHz / QPSK



Date: 22 JUL 2019 10:44:43

Highest Channel / 10MHz / 16QAM

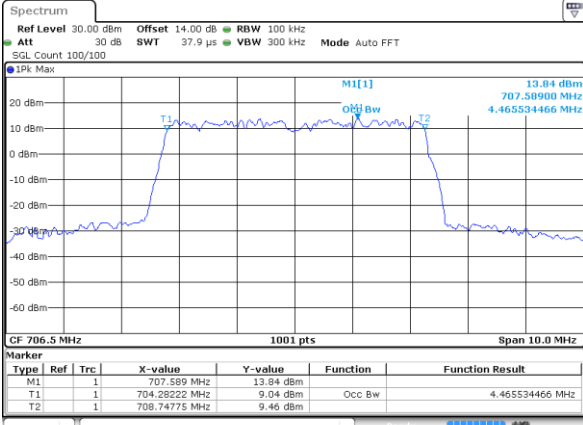


Date: 22 JUL 2019 10:44:53



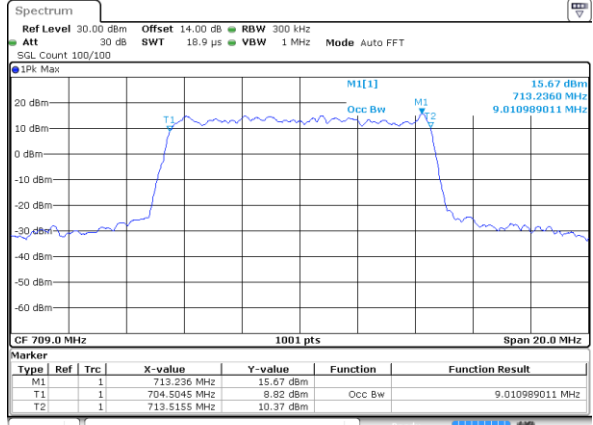
LTE Band 17

Lowest Channel / 5MHz / 64QAM



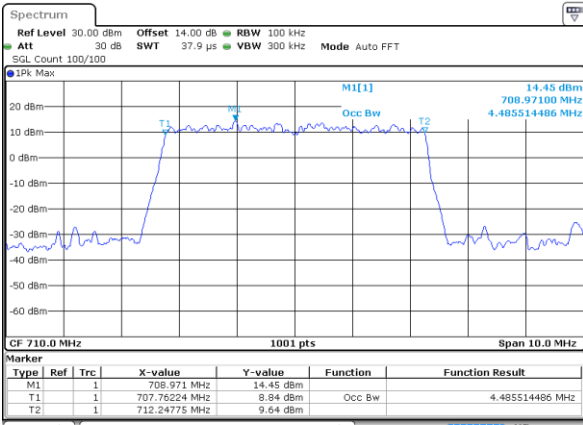
Date: 22 JUL 2019 10:59:11

Lowest Channel / 10MHz / 64QAM



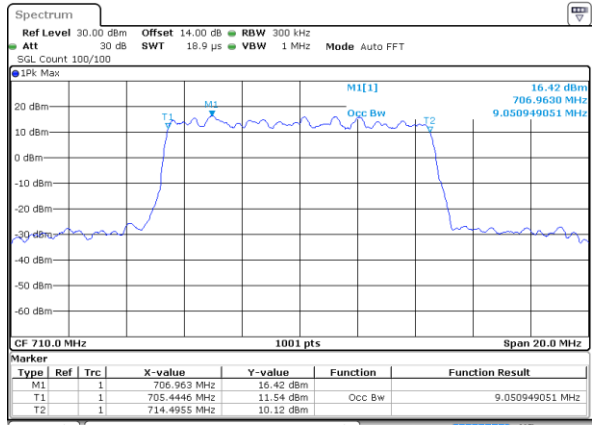
Date: 22 JUL 2019 11:07:25

Middle Channel / 5MHz / 64QAM



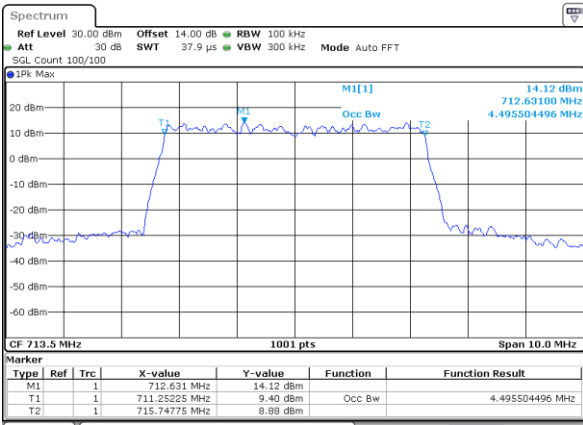
Date: 22 JUL 2019 10:59:22

Middle Channel / 10MHz / 64QAM



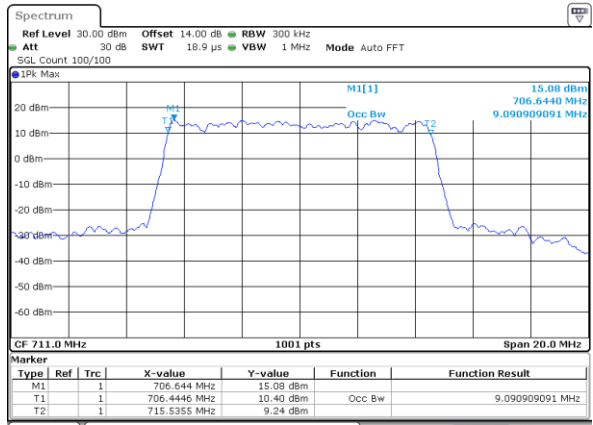
Date: 22 JUL 2019 11:07:35

Highest Channel / 5MHz / 64QAM



Date: 22 JUL 2019 10:59:32

Highest Channel / 10MHz / 64QAM

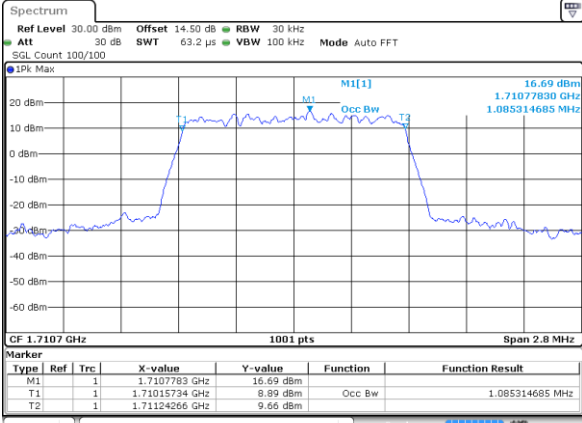


Date: 22 JUL 2019 11:07:46



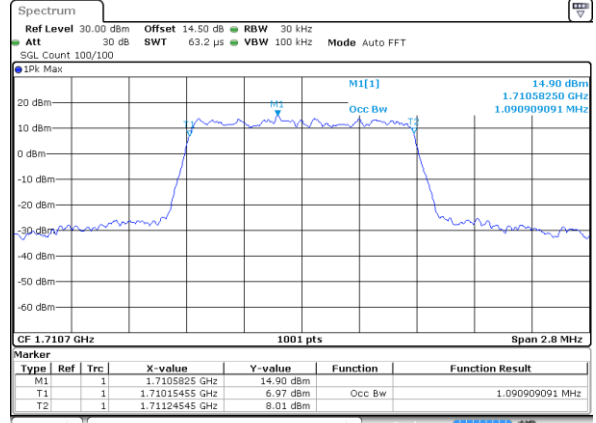
LTE Band 66

Lowest Channel / 1.4MHz / QPSK



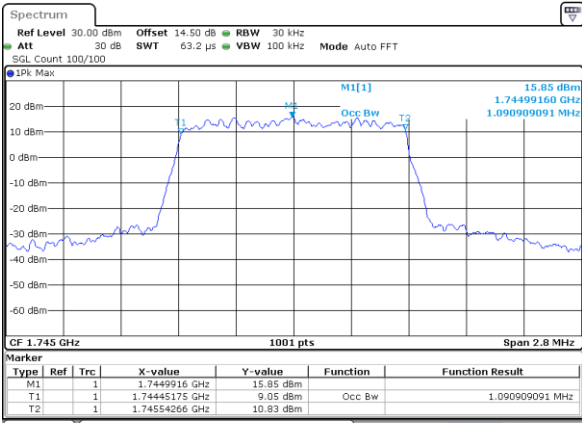
Date: 21 JUL 2019 16:54:04

Lowest Channel / 1.4MHz / 16QAM



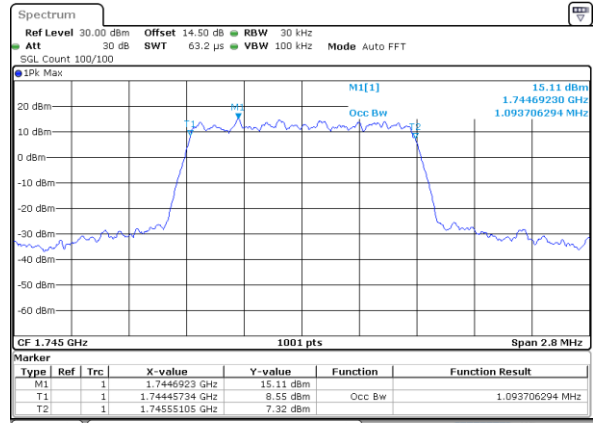
Date: 21 JUL 2019 16:56:02

Middle Channel / 1.4MHz / QPSK



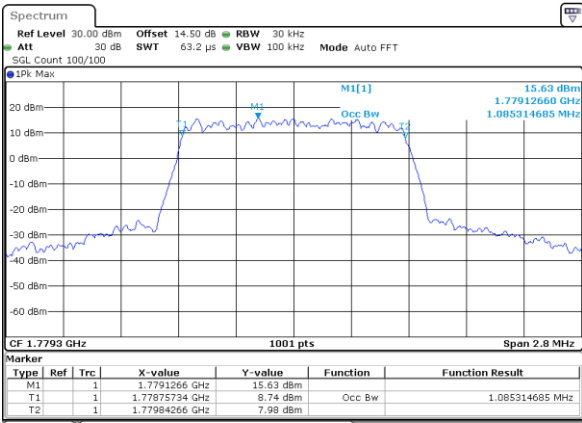
Date: 21 JUL 2019 17:13:08

Middle Channel / 1.4MHz / 16QAM



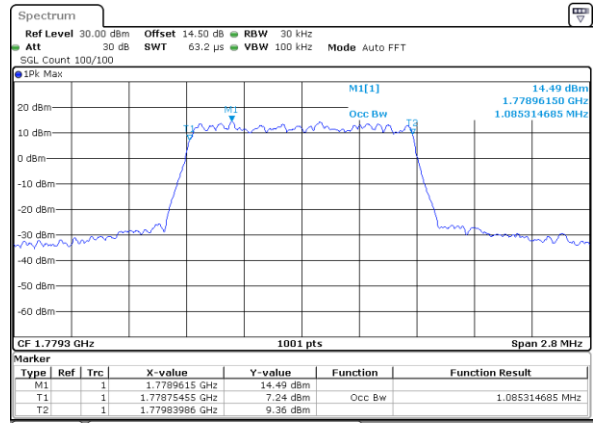
Date: 21 JUL 2019 17:13:43

Highest Channel / 1.4MHz / QPSK



Date: 21 JUL 2019 17:24:16

Highest Channel / 1.4MHz / 16QAM



Date: 21 JUL 2019 17:35:56