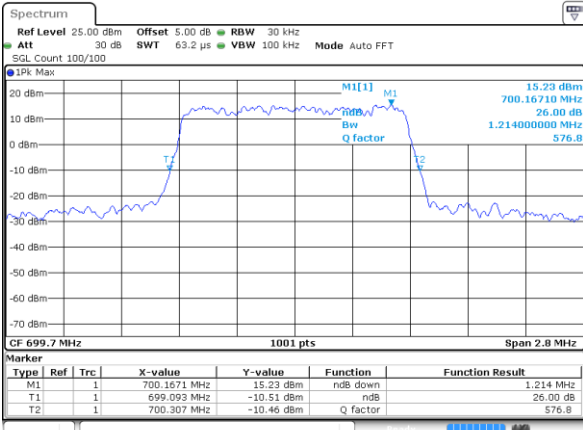




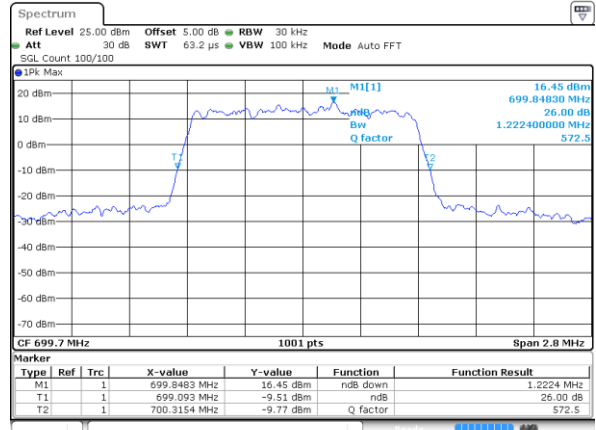
LTE Band 12

Lowest Channel / 1.4MHz / QPSK



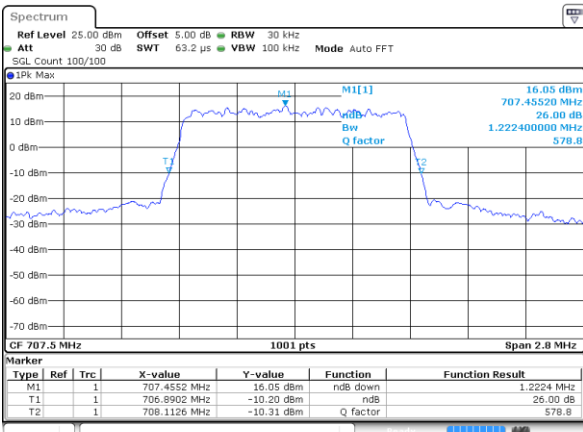
Date: 6 JUL 2019 16:43:49

Lowest Channel / 1.4MHz / 16QAM



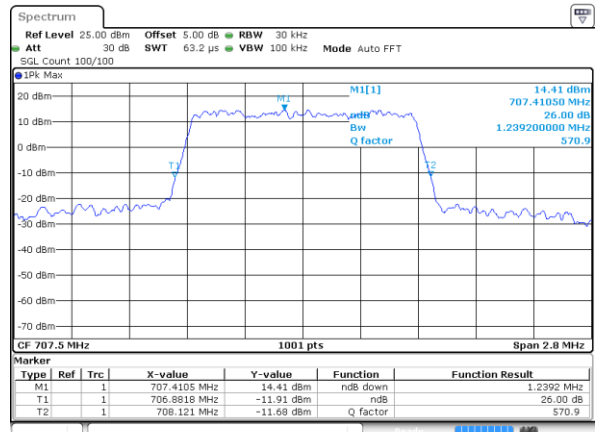
Date: 6 JUL 2019 16:43:39

Middle Channel / 1.4MHz / QPSK



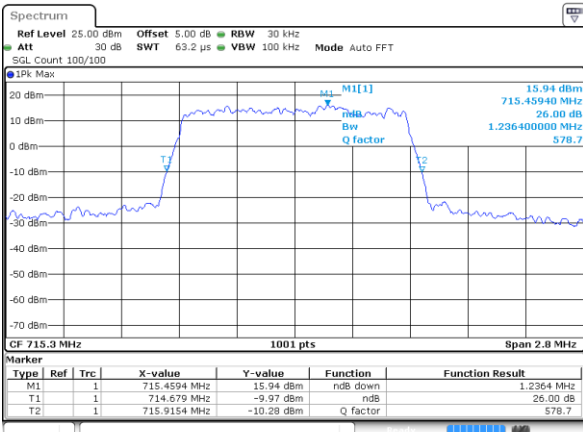
Date: 6 JUL 2019 16:43:19

Middle Channel / 1.4MHz / 16QAM



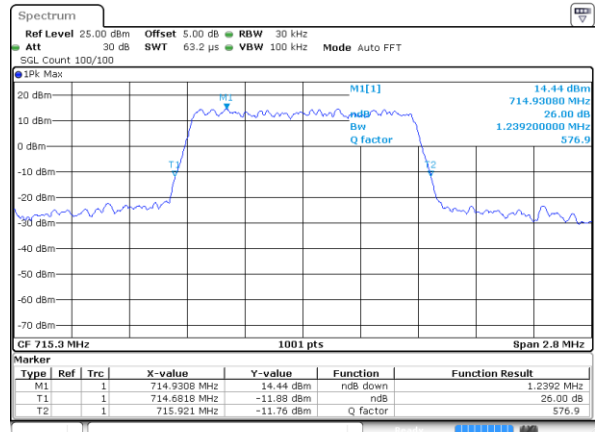
Date: 6 JUL 2019 16:43:29

Highest Channel / 1.4MHz / QPSK



Date: 6 JUL 2019 16:43:09

Highest Channel / 1.4MHz / 16QAM

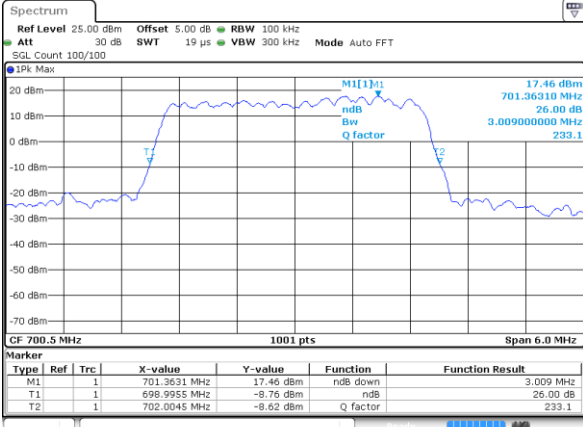


Date: 6 JUL 2019 16:42:59



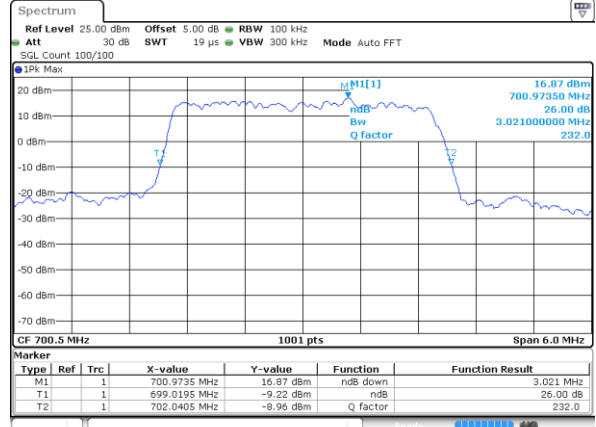
LTE Band 12

Lowest Channel / 3MHz / QPSK



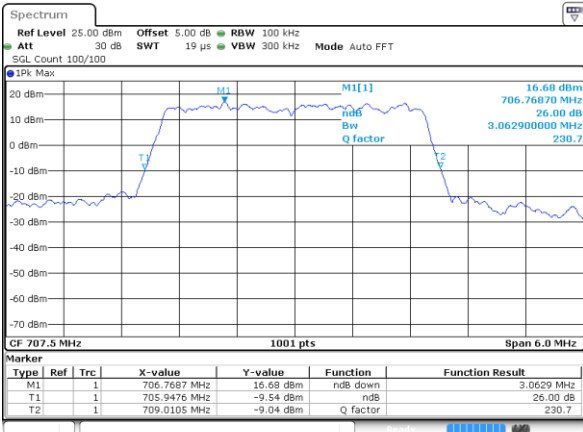
Date: 6 JUL 2019 17:00:19

Lowest Channel / 3MHz / 16QAM



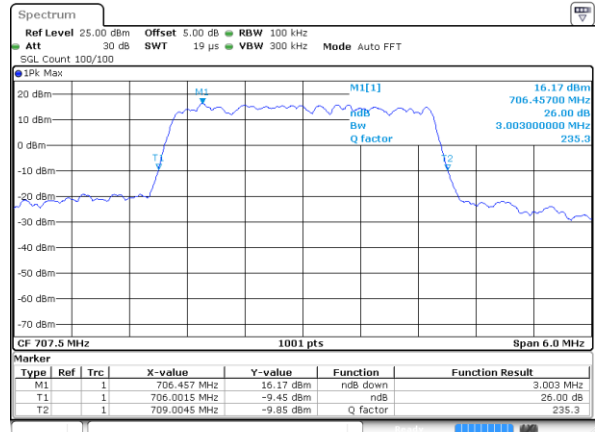
Date: 6 JUL 2019 17:00:09

Middle Channel / 3MHz / QPSK



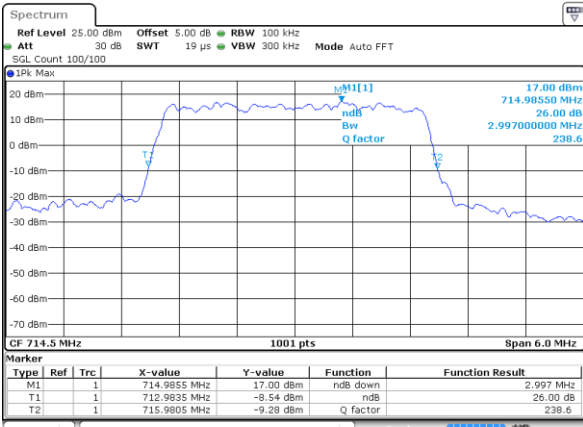
Date: 6 JUL 2019 16:59:48

Middle Channel / 3MHz / 16QAM



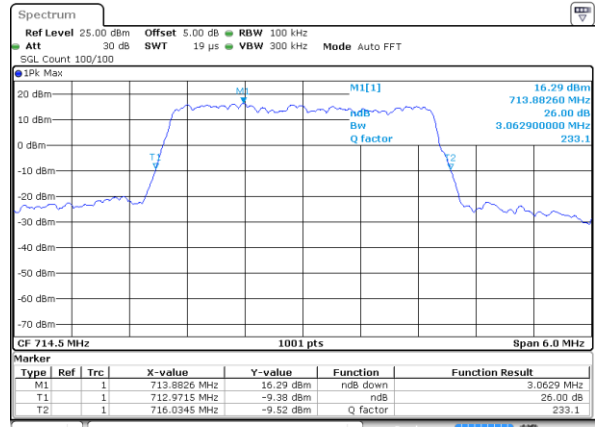
Date: 6 JUL 2019 16:59:58

Highest Channel / 3MHz / QPSK



Date: 6 JUL 2019 16:59:38

Highest Channel / 3MHz / 16QAM

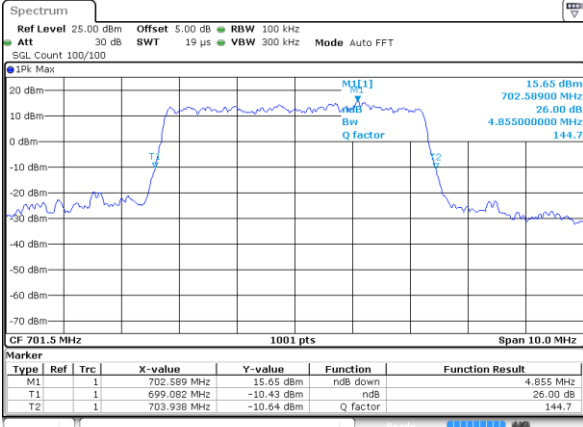


Date: 6 JUL 2019 16:59:28



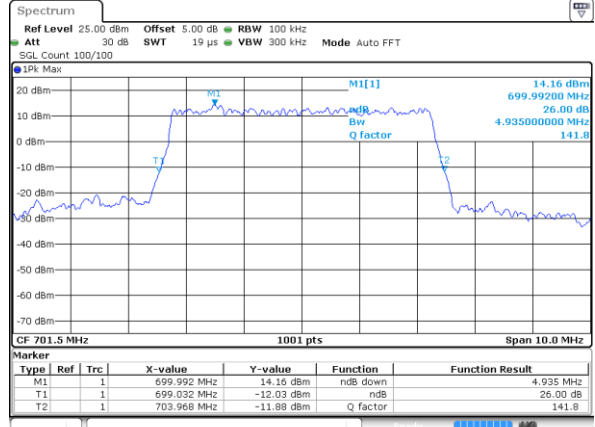
LTE Band 12

Lowest Channel / 5MHz / QPSK



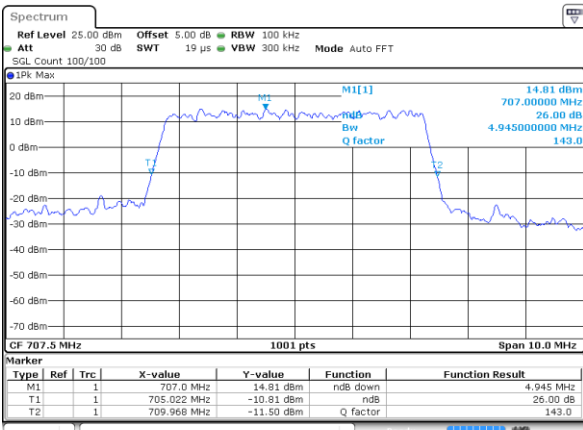
Date: 6 JUL 2019 17:16:48

Lowest Channel / 5MHz / 16QAM



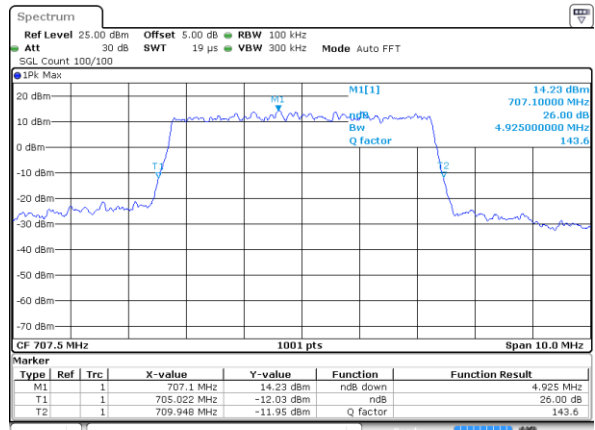
Date: 6 JUL 2019 17:16:38

Middle Channel / 5MHz / QPSK



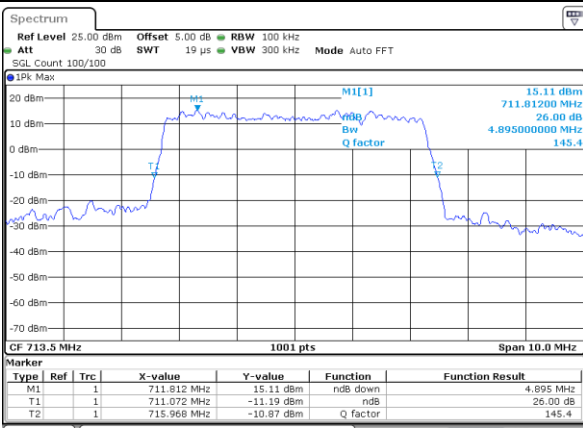
Date: 6 JUL 2019 17:16:18

Middle Channel / 5MHz / 16QAM



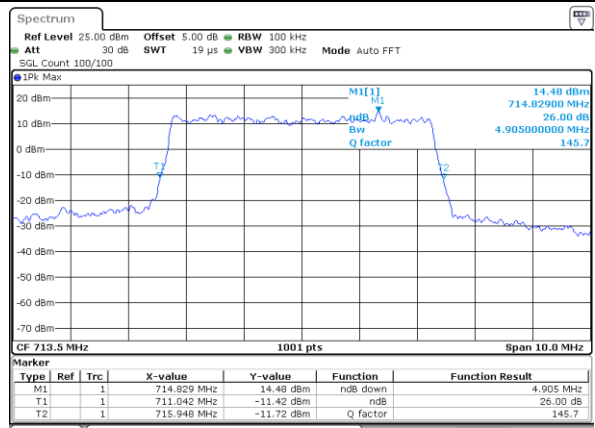
Date: 6 JUL 2019 17:16:28

Highest Channel / 5MHz / QPSK



Date: 6 JUL 2019 17:16:08

Highest Channel / 5MHz / 16QAM

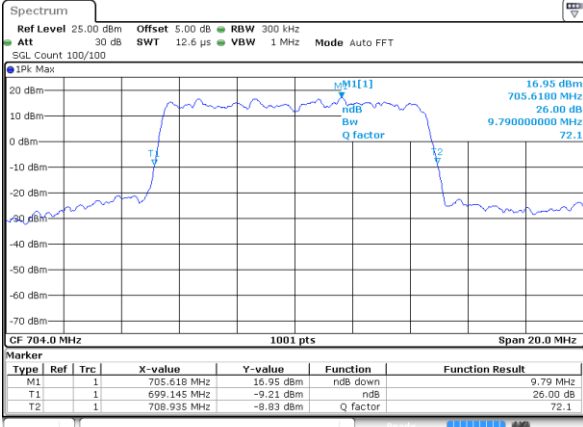


Date: 6 JUL 2019 17:15:58



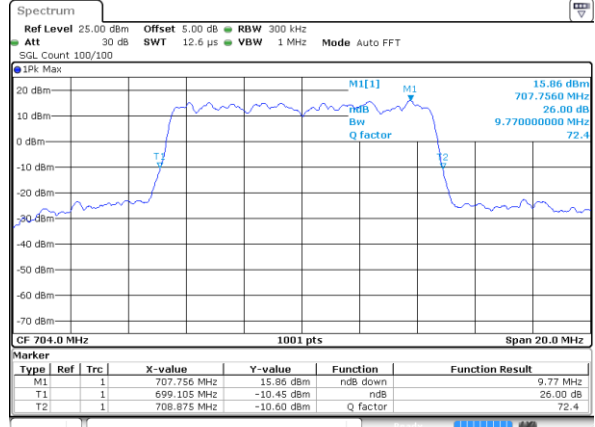
LTE Band 12

Lowest Channel / 10MHz / QPSK



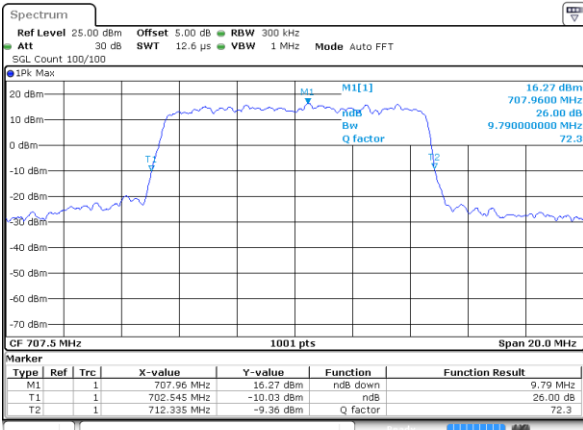
Date: 6 JUL 2019 17:33:18

Lowest Channel / 10MHz / 16QAM



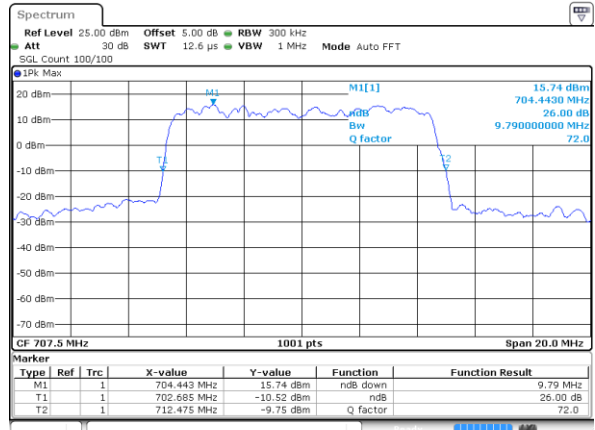
Date: 6 JUL 2019 17:33:08

Middle Channel / 10MHz / QPSK



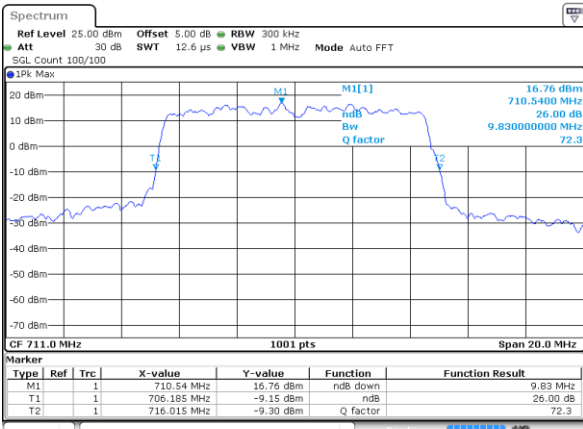
Date: 6 JUL 2019 17:32:47

Middle Channel / 10MHz / 16QAM



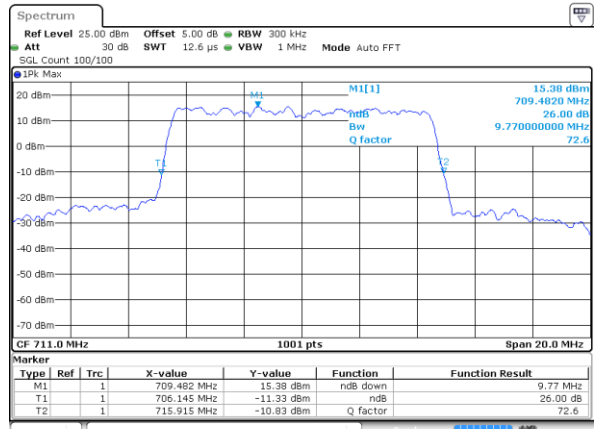
Date: 6 JUL 2019 17:32:57

Highest Channel / 10MHz / QPSK



Date: 6 JUL 2019 17:32:37

Highest Channel / 10MHz / 16QAM

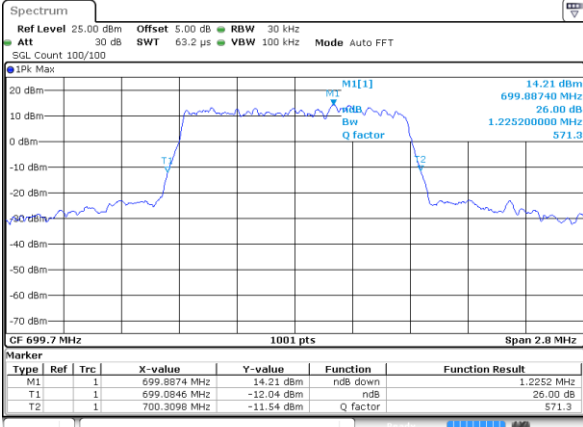


Date: 6 JUL 2019 17:32:27



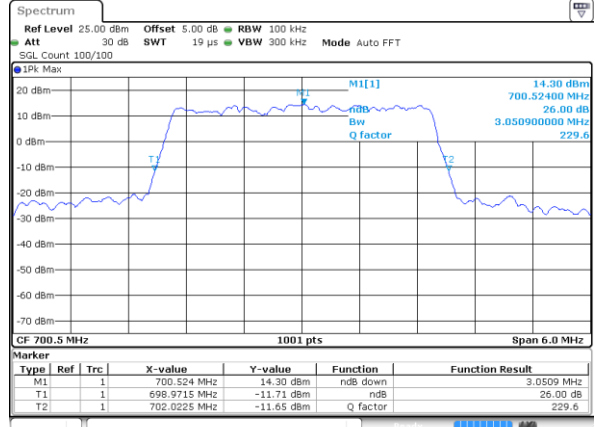
LTE Band 12

Lowest Channel / 1.4MHz / 64QAM



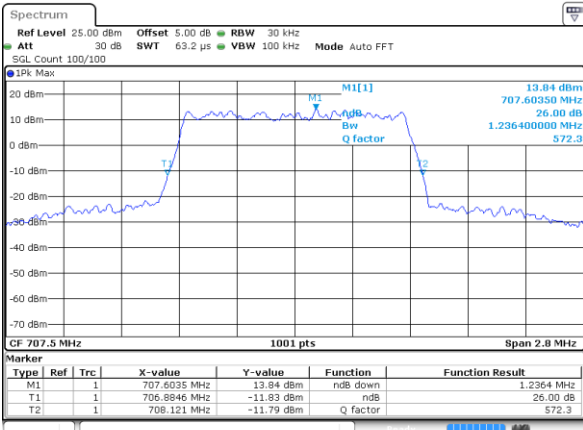
Date: 6 JUL 2019 17:48:06

Lowest Channel / 3MHz / 64QAM



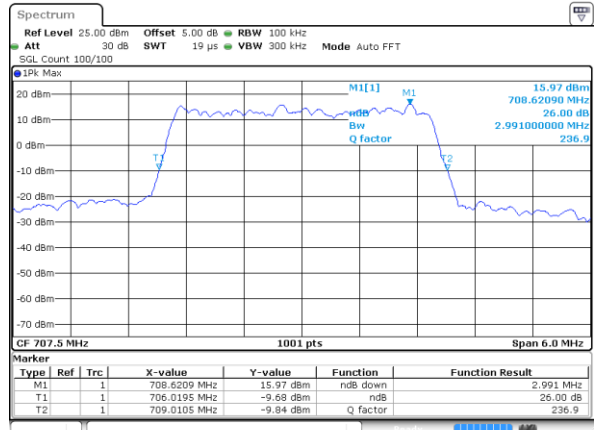
Date: 6 JUL 2019 17:59:05

Middle Channel / 1.4MHz / 64QAM



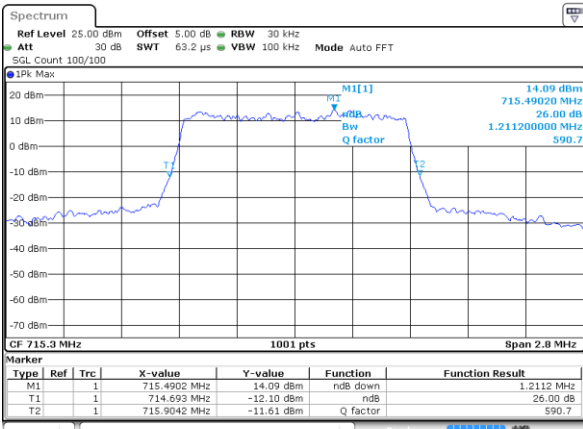
Date: 6 JUL 2019 17:48:26

Middle Channel / 3MHz / 64QAM



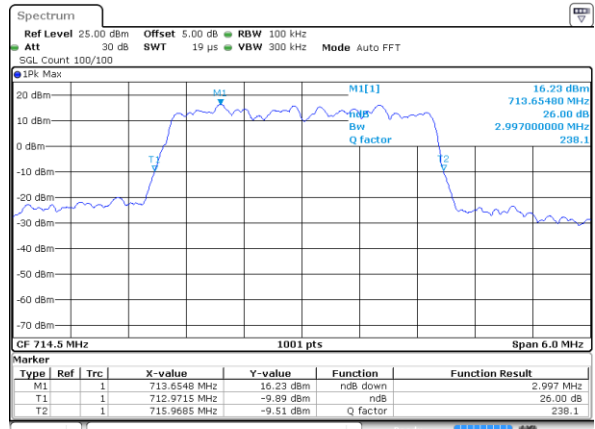
Date: 6 JUL 2019 17:59:25

Highest Channel / 1.4MHz / 64QAM



Date: 6 JUL 2019 17:48:46

Highest Channel / 3MHz / 64QAM

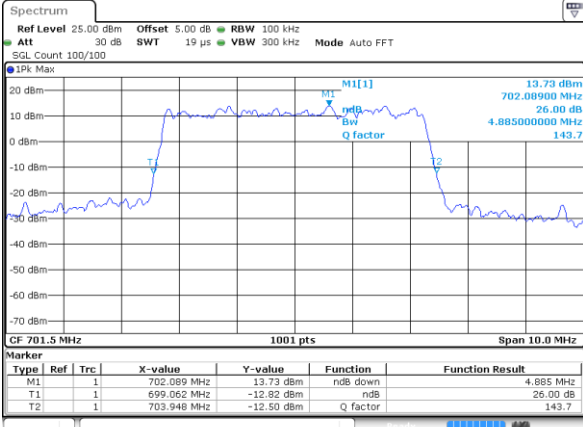


Date: 6 JUL 2019 17:59:45



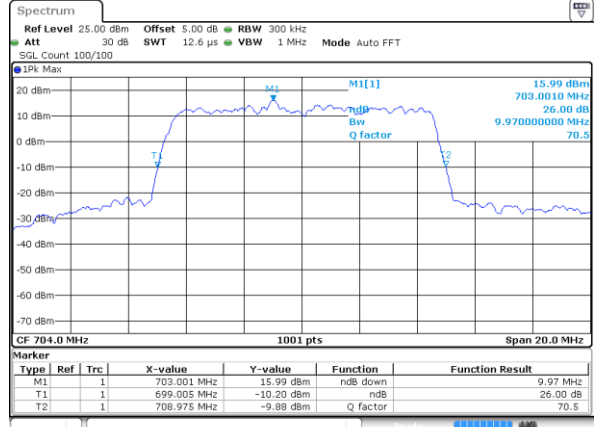
LTE Band 12

Lowest Channel / 5MHz / 64QAM



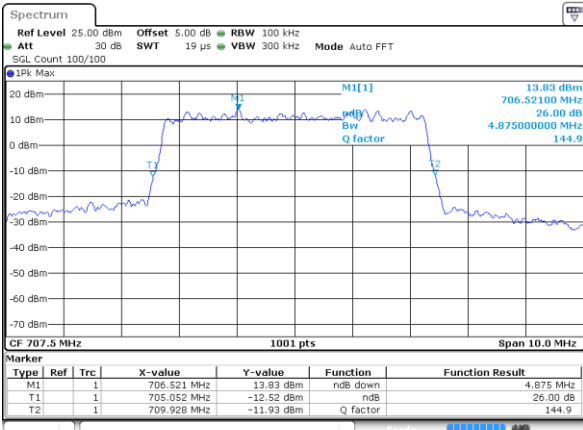
Date: 6 JUL 2019 18:04:35

Lowest Channel / 10MHz / 64QAM



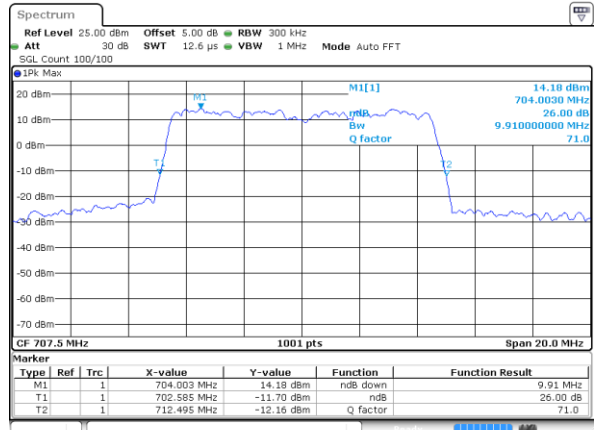
Date: 6 JUL 2019 18:15:34

Middle Channel / 5MHz / 64QAM



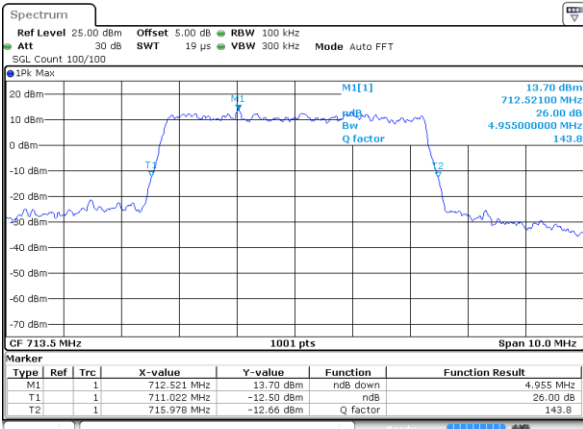
Date: 6 JUL 2019 18:04:55

Middle Channel / 10MHz / 64QAM



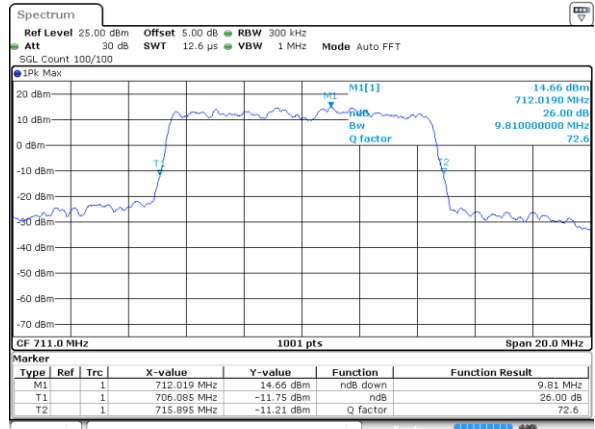
Date: 6 JUL 2019 18:15:54

Highest Channel / 5MHz / 64QAM



Date: 6 JUL 2019 18:05:16

Highest Channel / 10MHz / 64QAM

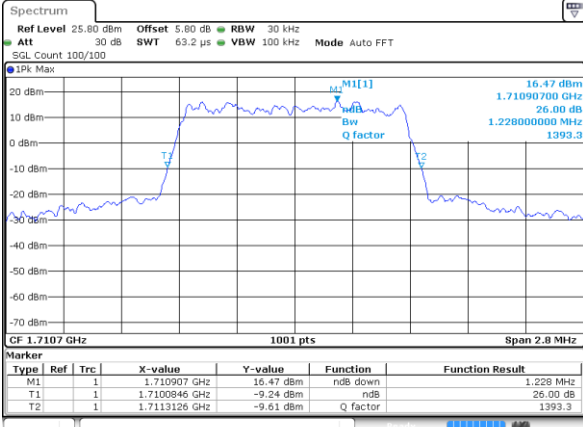


Date: 6 JUL 2019 18:16:14



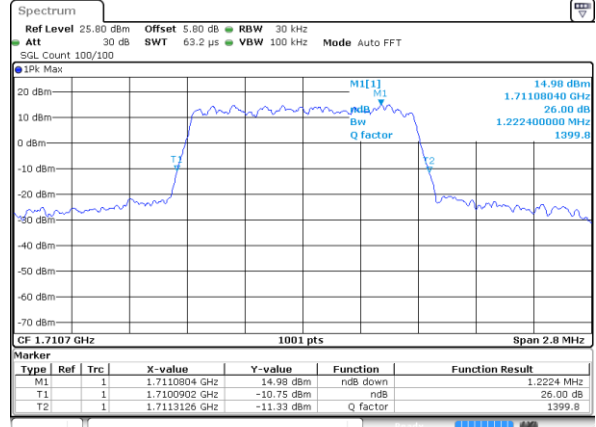
LTE Band 66

Lowest Channel / 1.4MHz / QPSK



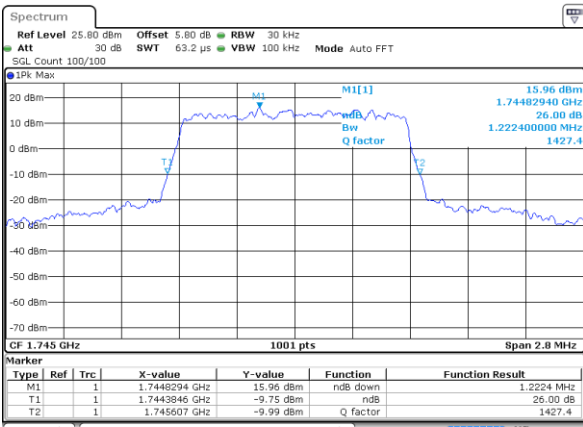
Date: 12 JUL 2019 02:17:51

Lowest Channel / 1.4MHz / 16QAM



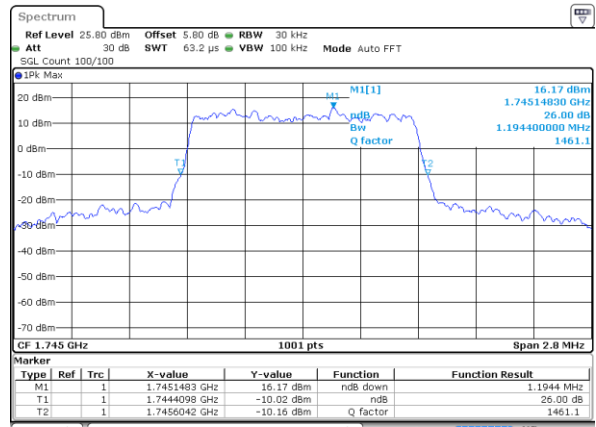
Date: 12 JUL 2019 02:19:21

Middle Channel / 1.4MHz / QPSK



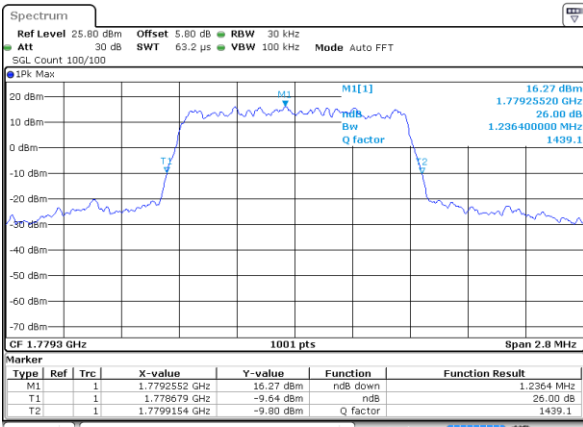
Date: 12 JUL 2019 02:46:31

Middle Channel / 1.4MHz / 16QAM



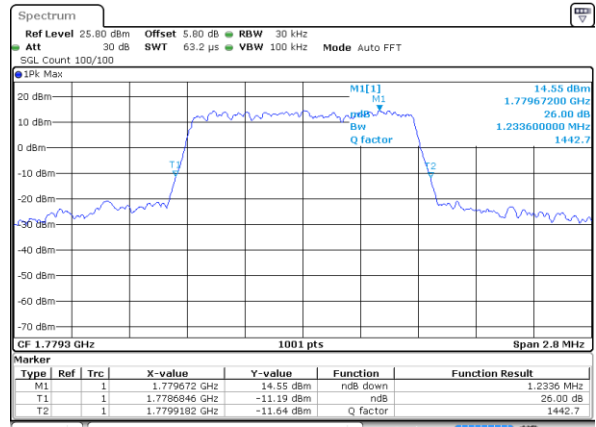
Date: 12 JUL 2019 02:46:16

Highest Channel / 1.4MHz / QPSK



Date: 12 JUL 2019 02:47:04

Highest Channel / 1.4MHz / 16QAM

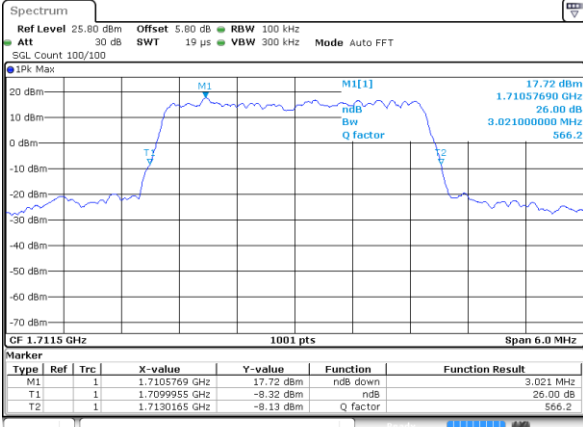


Date: 12 JUL 2019 02:48:26



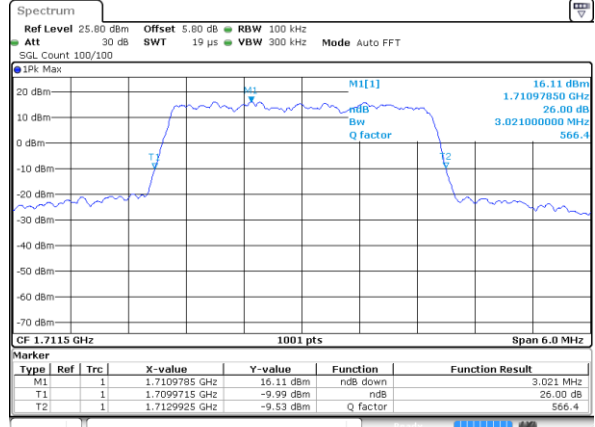
LTE Band 66

Lowest Channel / 3MHz / QPSK



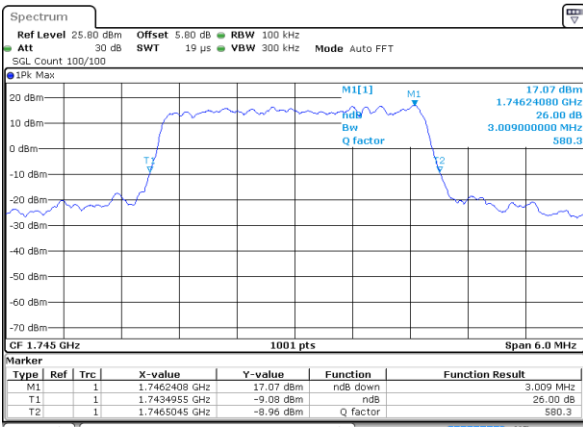
Date: 12 JUL 2019 02:59:18

Lowest Channel / 3MHz / 16QAM



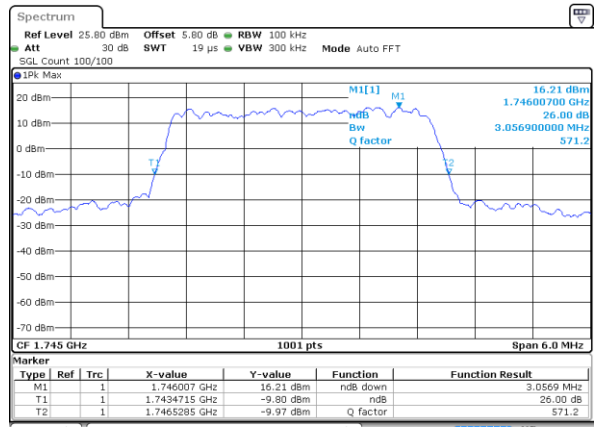
Date: 12 JUL 2019 03:00:05

Middle Channel / 3MHz / QPSK



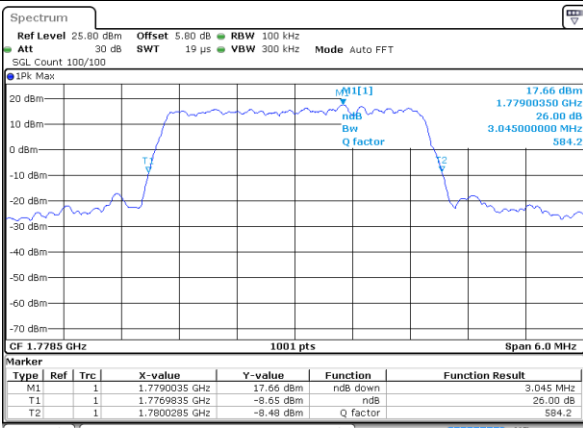
Date: 12 JUL 2019 03:09:42

Middle Channel / 3MHz / 16QAM



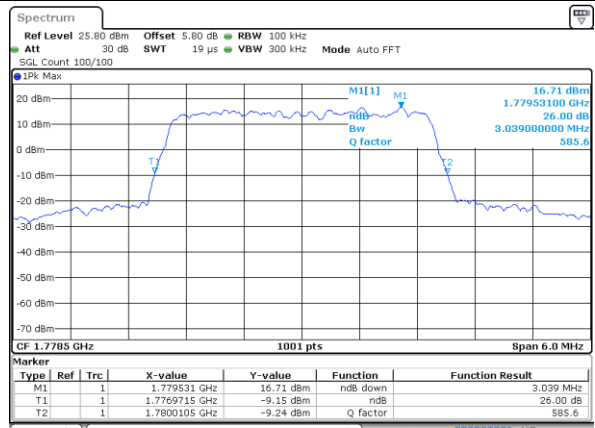
Date: 12 JUL 2019 03:09:29

Highest Channel / 3MHz / QPSK



Date: 12 JUL 2019 03:10:45

Highest Channel / 3MHz / 16QAM

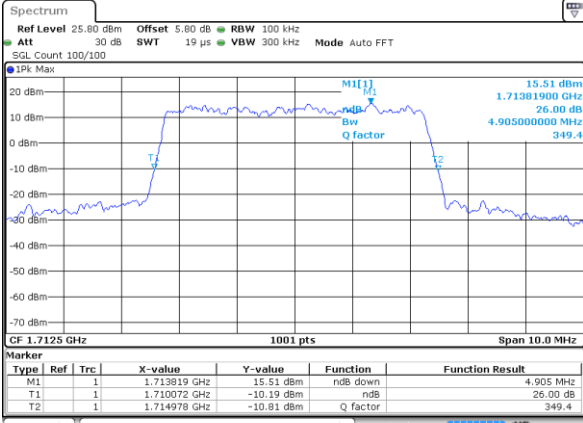


Date: 12 JUL 2019 03:11:55



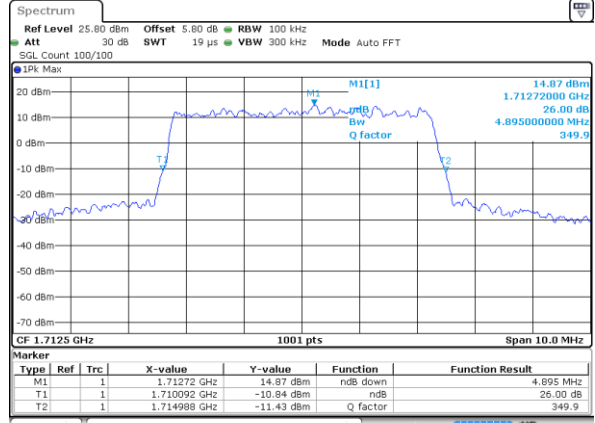
LTE Band 66

Lowest Channel / 5MHz / QPSK



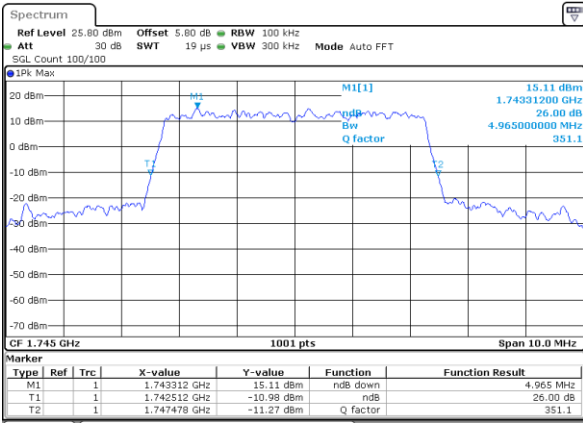
Date: 12 JUL 2019 03:22:50

Lowest Channel / 5MHz / 16QAM



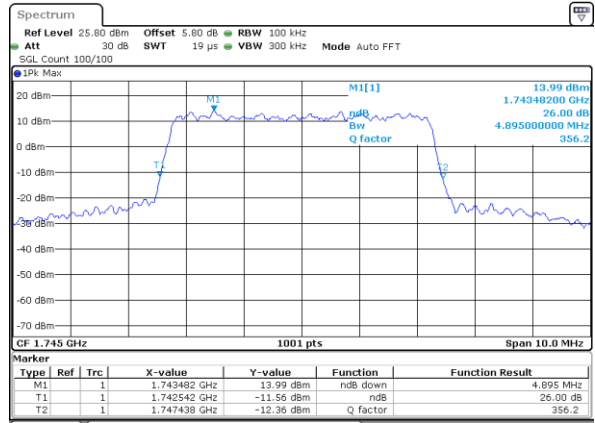
Date: 12 JUL 2019 03:23:23

Middle Channel / 5MHz / QPSK



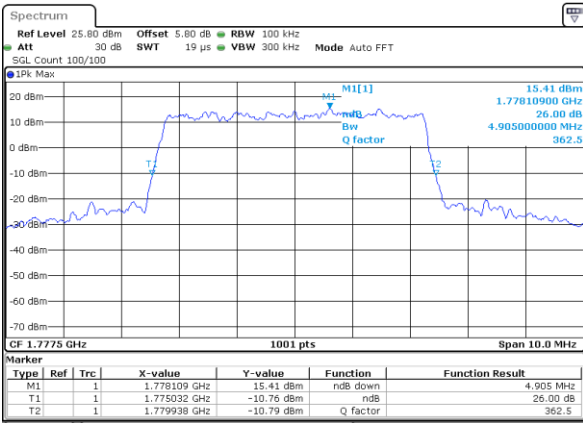
Date: 12 JUL 2019 03:27:44

Middle Channel / 5MHz / 16QAM



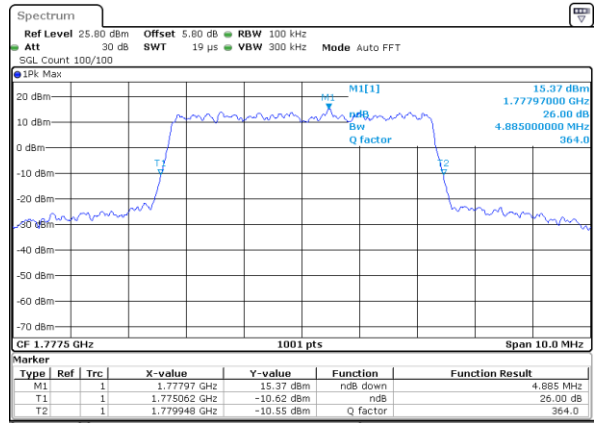
Date: 12 JUL 2019 03:28:12

Highest Channel / 5MHz / QPSK



Date: 12 JUL 2019 03:34:57

Highest Channel / 5MHz / 16QAM

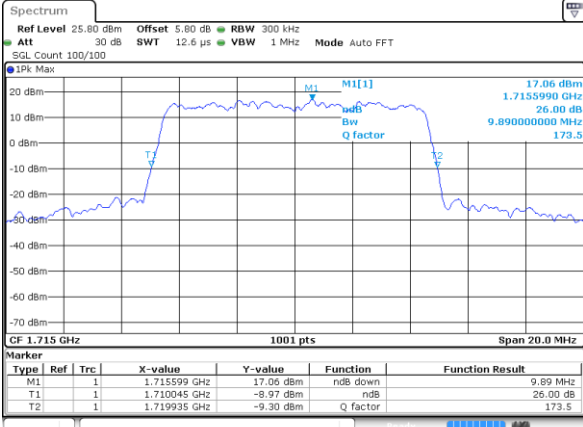


Date: 12 JUL 2019 03:35:33



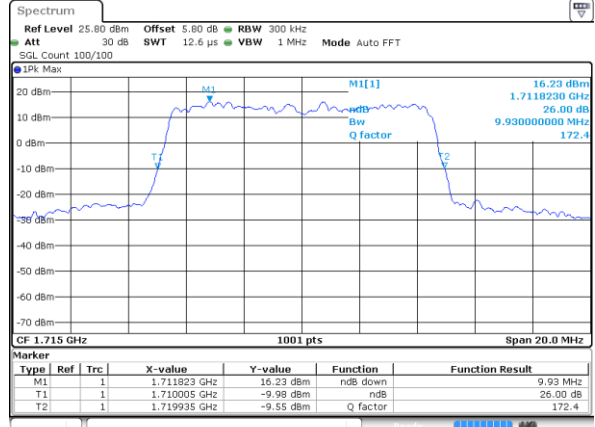
LTE Band 66

Lowest Channel / 10MHz / QPSK



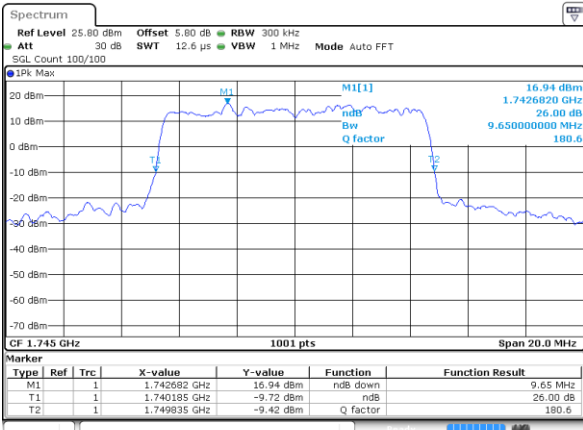
Date: 12 JUL 2019 03:37:58

Lowest Channel / 10MHz / 16QAM



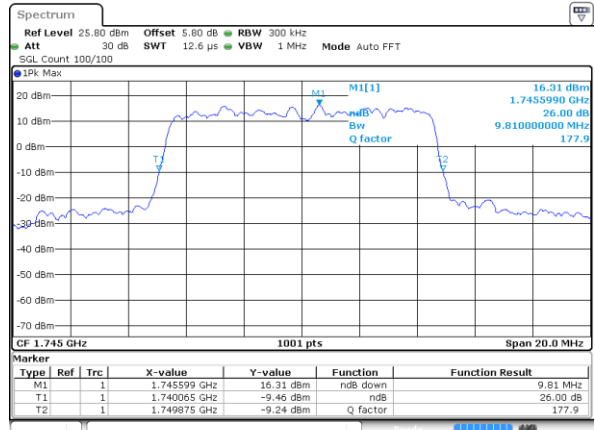
Date: 12 JUL 2019 03:38:32

Middle Channel / 10MHz / QPSK



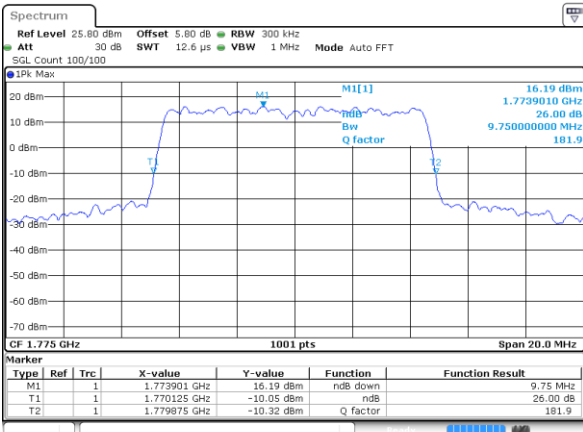
Date: 12 JUL 2019 03:48:59

Middle Channel / 10MHz / 16QAM



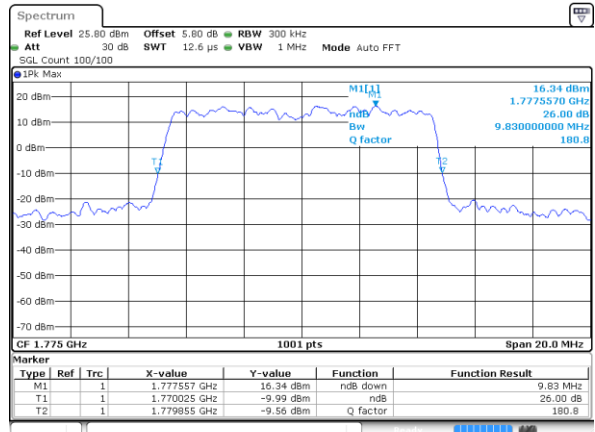
Date: 12 JUL 2019 03:48:46

Highest Channel / 10MHz / QPSK



Date: 12 JUL 2019 03:49:53

Highest Channel / 10MHz / 16QAM

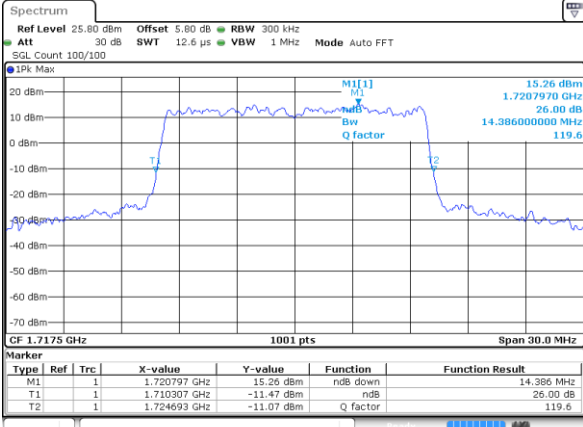


Date: 12 JUL 2019 03:50:22



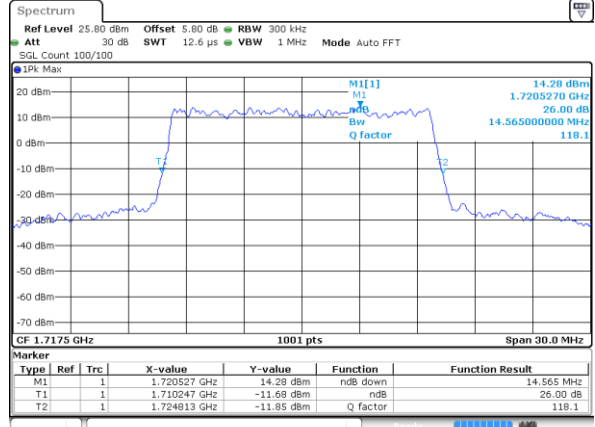
LTE Band 66

Lowest Channel / 15MHz / QPSK



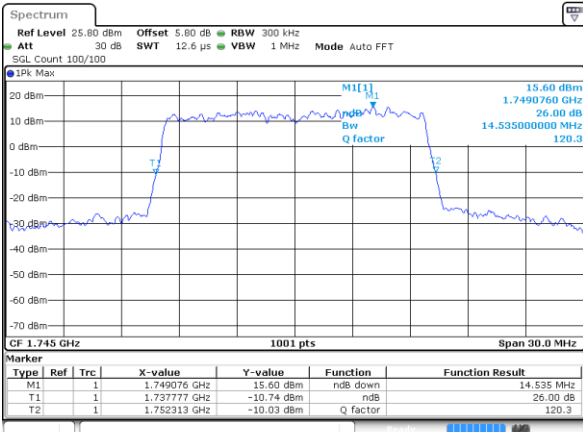
Date: 12 JUL 2019 03:55:48

Lowest Channel / 15MHz / 16QAM



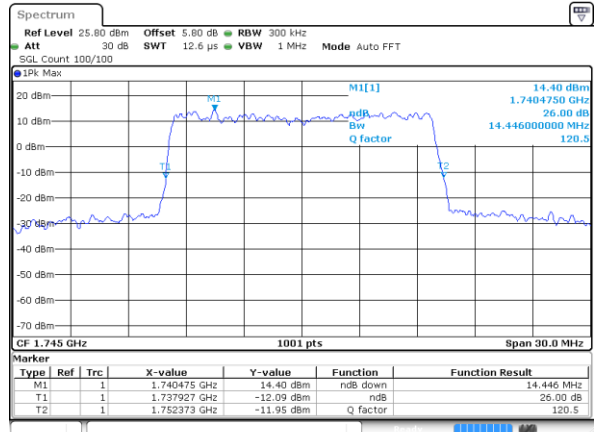
Date: 12 JUL 2019 03:56:14

Middle Channel / 15MHz / QPSK



Date: 12 JUL 2019 04:02:40

Middle Channel / 15MHz / 16QAM



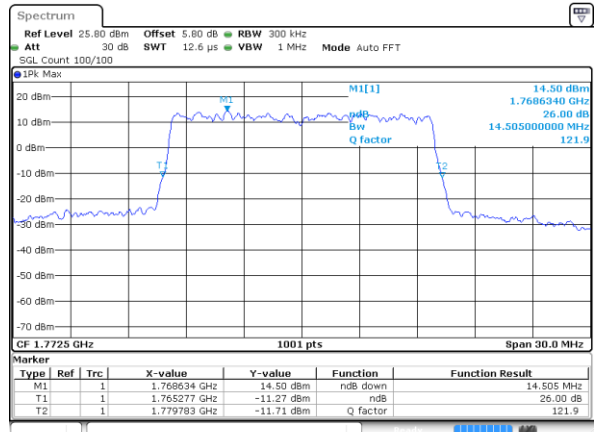
Date: 12 JUL 2019 04:02:25

Highest Channel / 15MHz / QPSK



Date: 12 JUL 2019 04:03:22

Highest Channel / 15MHz / 16QAM

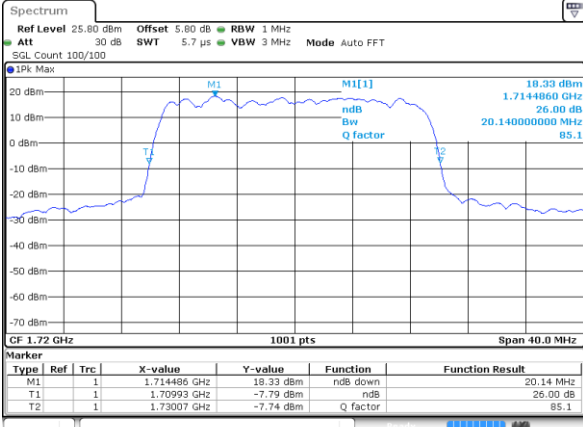


Date: 12 JUL 2019 04:03:57



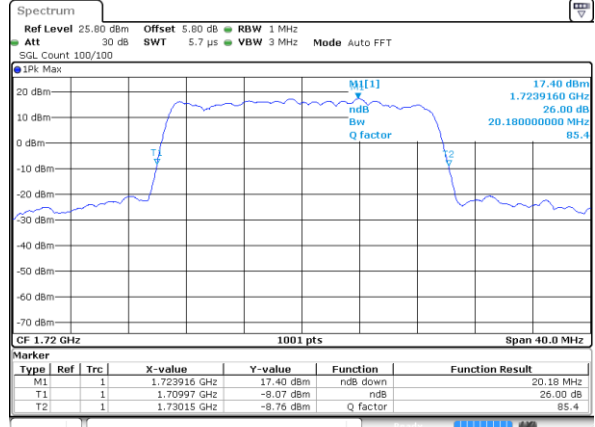
LTE Band 66

Lowest Channel / 20MHz / QPSK



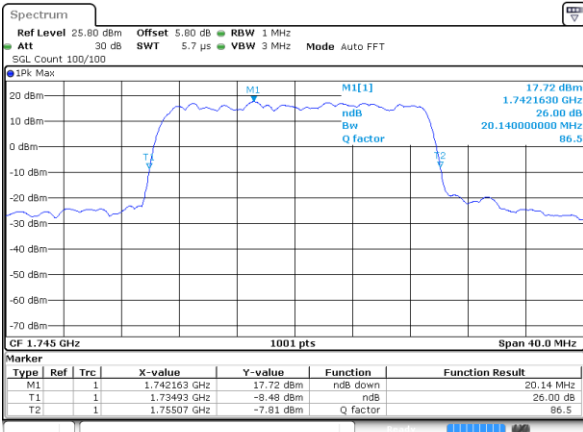
Date: 12 JUL 2019 04:09:54

Lowest Channel / 20MHz / 16QAM



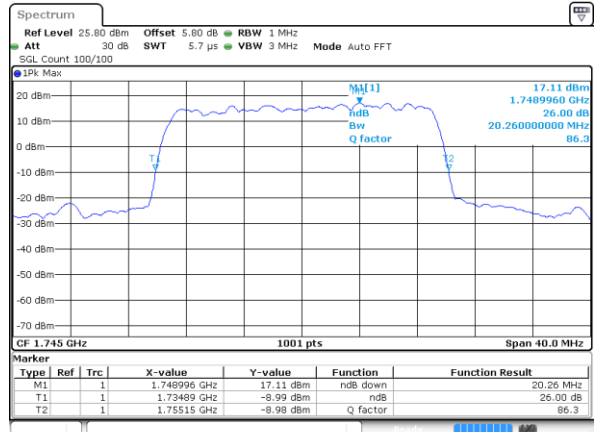
Date: 12 JUL 2019 04:10:23

Middle Channel / 20MHz / QPSK



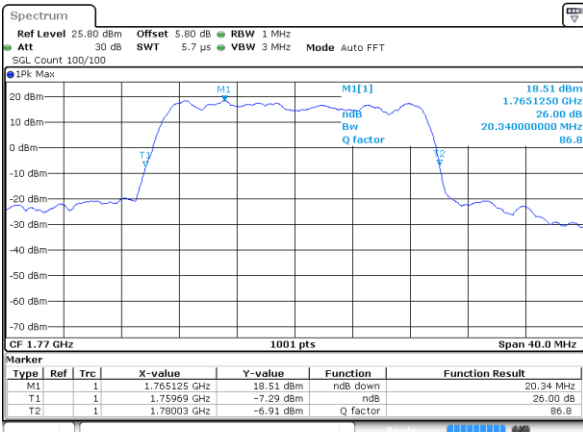
Date: 12 JUL 2019 04:20:11

Middle Channel / 20MHz / 16QAM



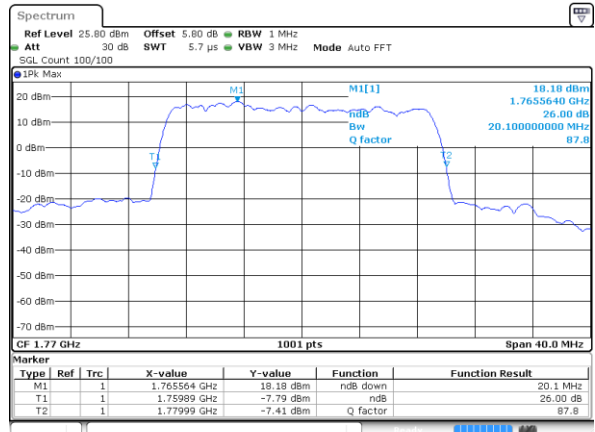
Date: 12 JUL 2019 04:19:57

Highest Channel / 20MHz / QPSK



Date: 12 JUL 2019 04:20:54

Highest Channel / 20MHz / 16QAM

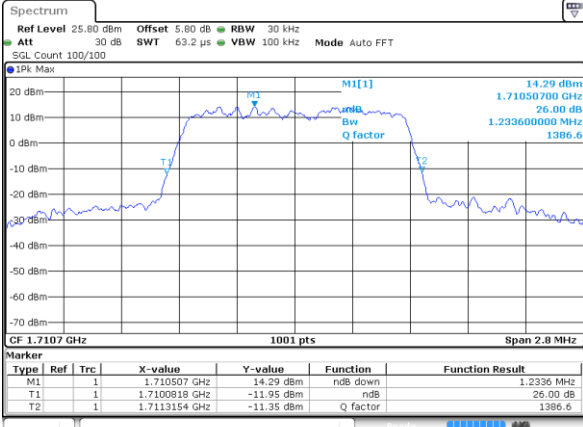


Date: 12 JUL 2019 04:21:26



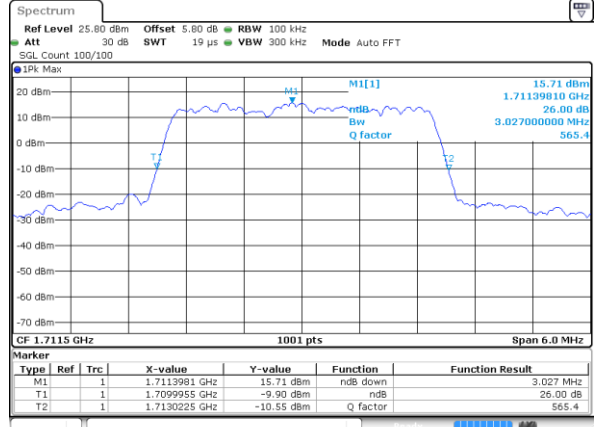
LTE Band 66

Lowest Channel / 1.4MHz / 64QAM



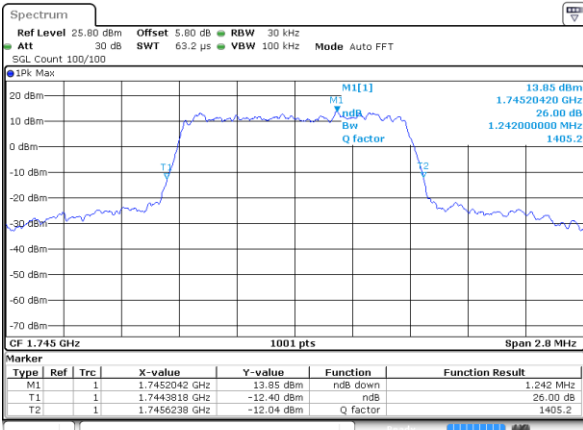
Date: 12 JUL 2019 02:26:47

Lowest Channel / 3MHz / 64QAM



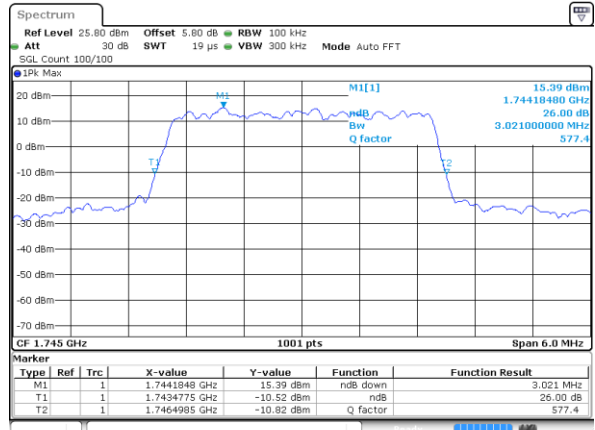
Date: 12 JUL 2019 03:01:03

Middle Channel / 1.4MHz / 64QAM



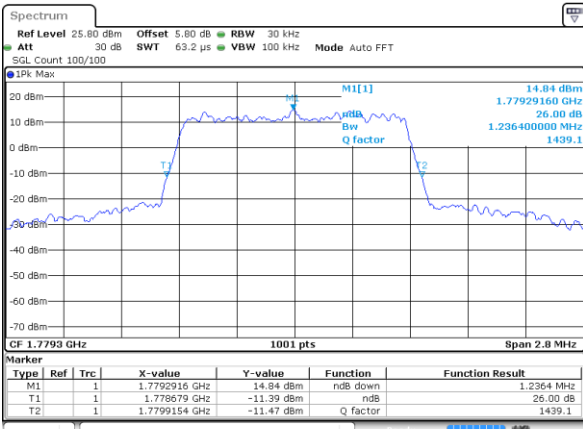
Date: 12 JUL 2019 02:46:01

Middle Channel / 3MHz / 64QAM



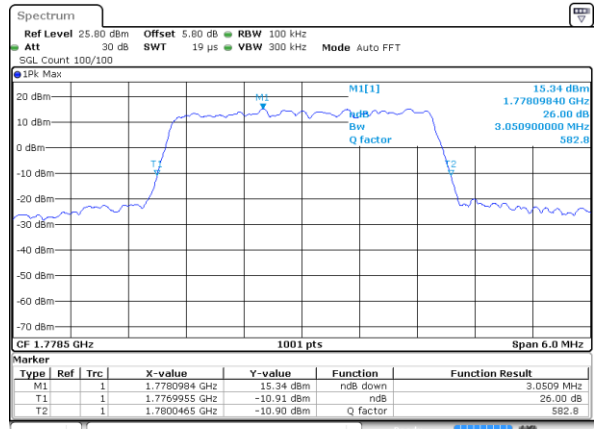
Date: 12 JUL 2019 03:09:15

Highest Channel / 1.4MHz / 64QAM



Date: 12 JUL 2019 02:49:50

Highest Channel / 3MHz / 64QAM

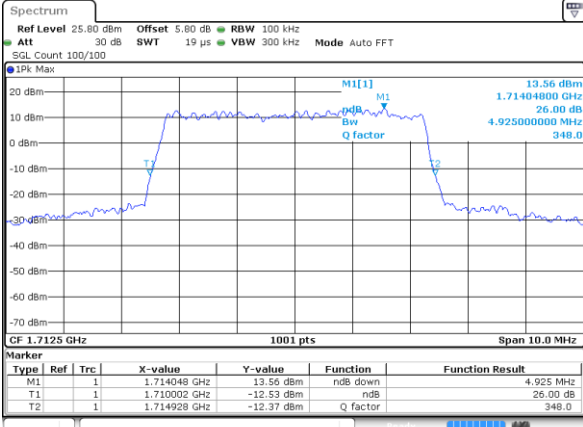


Date: 12 JUL 2019 03:13:13



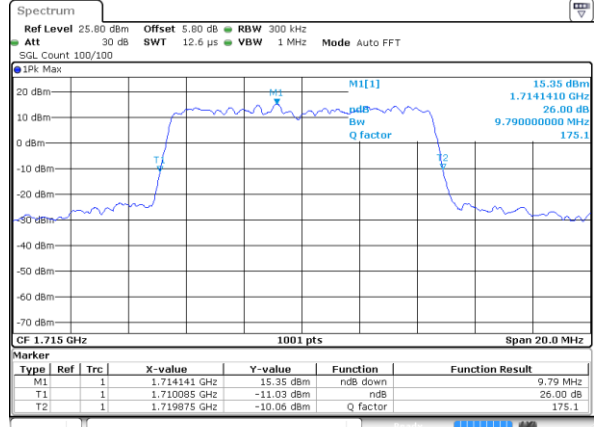
LTE Band 66

Lowest Channel / 5MHz / 64QAM



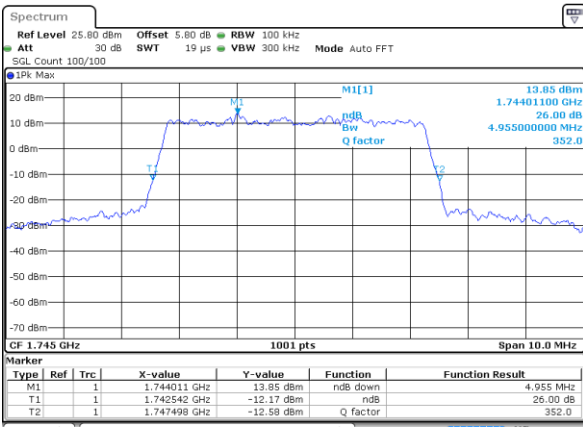
Date: 12 JUL 2019 03:23:56

Lowest Channel / 10MHz / 64QAM



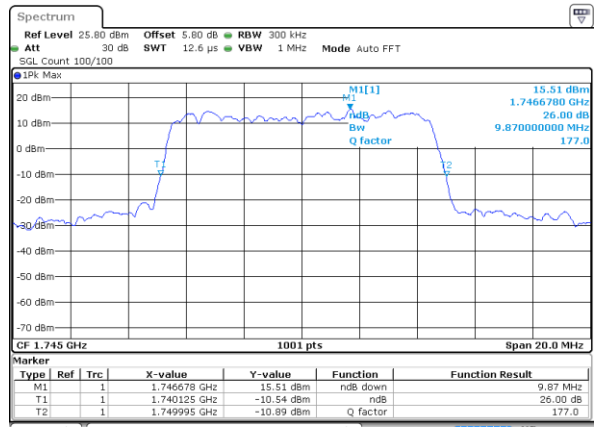
Date: 12 JUL 2019 03:39:35

Middle Channel / 5MHz / 64QAM



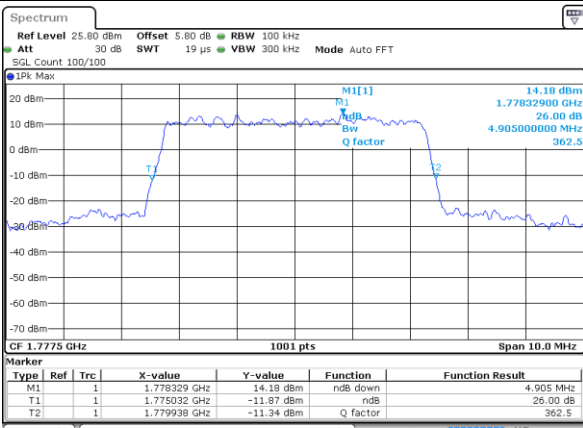
Date: 12 JUL 2019 03:28:28

Middle Channel / 10MHz / 64QAM



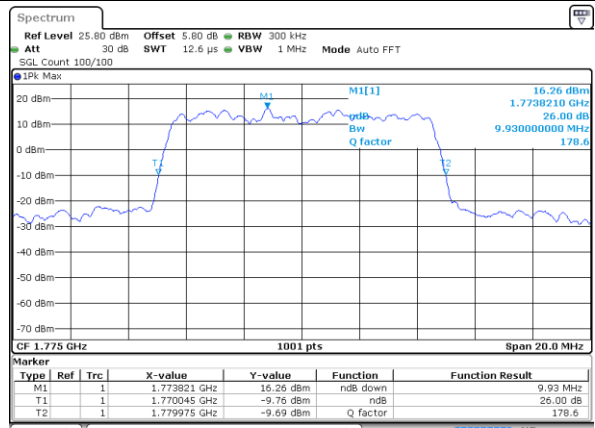
Date: 12 JUL 2019 03:48:26

Highest Channel / 5MHz / 64QAM



Date: 12 JUL 2019 03:36:15

Highest Channel / 10MHz / 64QAM

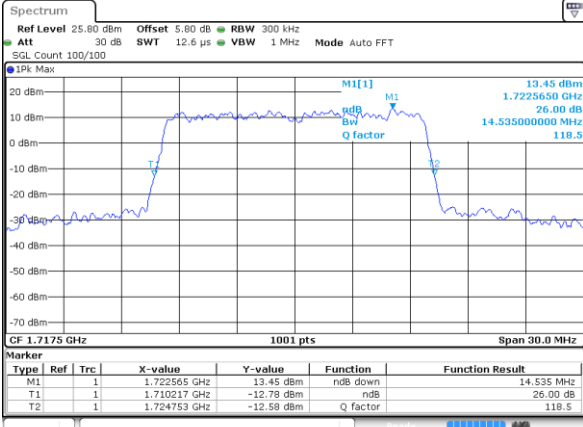


Date: 12 JUL 2019 03:50:49



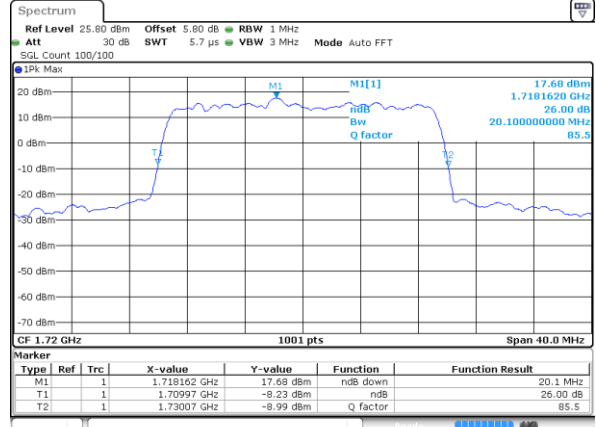
LTE Band 66

Lowest Channel / 15MHz / 64QAM



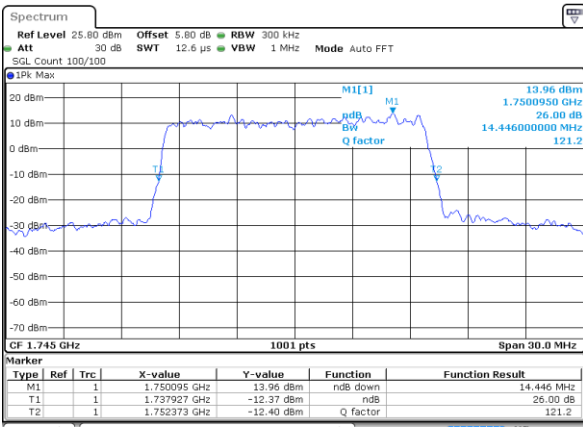
Date: 12 JUL 2019 03:56:36

Lowest Channel / 20MHz / 64QAM



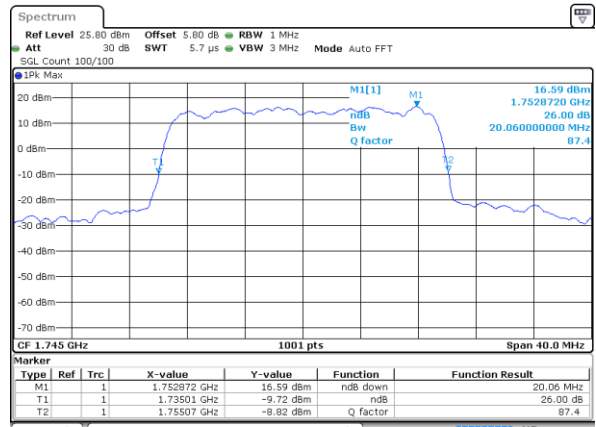
Date: 12 JUL 2019 04:10:45

Middle Channel / 15MHz / 64QAM



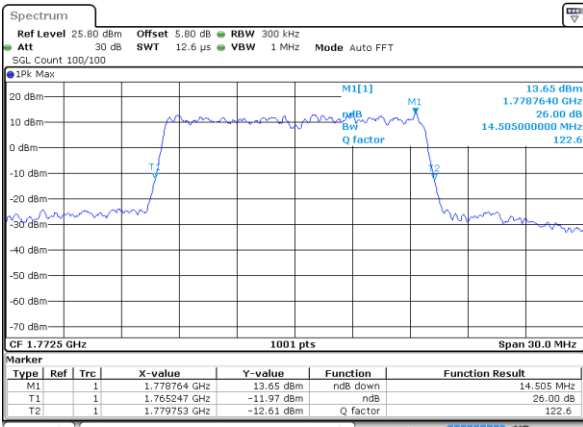
Date: 12 JUL 2019 04:02:06

Middle Channel / 20MHz / 64QAM



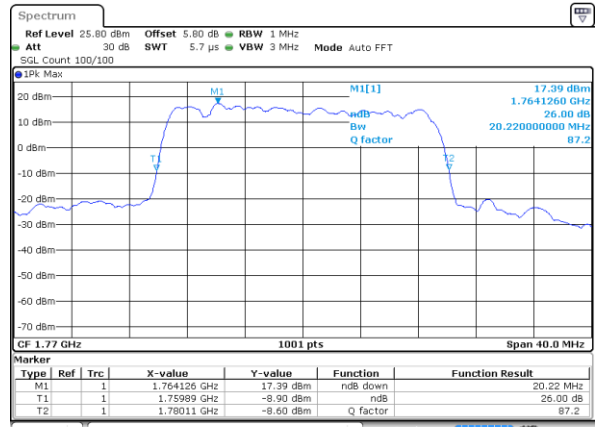
Date: 12 JUL 2019 04:19:32

Highest Channel / 15MHz / 64QAM



Date: 12 JUL 2019 04:04:26

Highest Channel / 20MHz / 64QAM



Date: 12 JUL 2019 04:21:56



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	1.10	2.72	2.73	4.48	4.51	9.07	9.07	13.46	13.40	18.26	18.34	
Middle CH	1.09	1.09	2.72	2.72	4.51	4.50	9.01	9.05	13.49	13.43	18.30	18.42	
Highest CH	1.09	1.09	2.72	2.72	4.49	4.51	9.09	9.05	13.37	13.46	18.30	18.18	
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		4.49		9.09		13.40		18.26		
Middle CH	1.10		2.72		4.50		9.01		13.46		18.30		
Highest CH	1.09		2.73		4.52		9.01		13.43		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	1.08	1.09	2.73	2.71	4.50	4.48	9.01	9.01					
Middle CH	1.09	1.08	2.73	2.72	4.49	4.49	9.03	9.03					
Highest CH	1.09	1.08	2.70	2.74	4.48	4.48	9.01	9.01					
Mode		LTE Band 5 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz		
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM		
Lowest CH	1.09		2.73		4.50		9.03						
Middle CH	1.09		2.73		4.47		8.97						
Highest CH	1.08		2.70		4.50		8.99						



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	-	-	-	-	4.49	4.49	8.97	9.01	13.34	13.46	18.42	18.14
Middle CH	-	-	-	-	4.48	4.49	8.95	9.01	13.4	13.49	18.22	18.34
Highest CH	-	-	-	-	4.50	4.48	8.99	9.01	13.43	13.46	18.18	18.3

Mode		LTE Band 7 : 99%OBW(MHz)										
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.					64QAM		64QAM		64QAM		64QAM	
Lowest CH					4.49		9.03		13.43		18.18	
Middle CH					4.49		9.07		13.37		18.18	
Highest CH					4.53		8.95		13.40		18.26	

Mode		LTE Band 12 : 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	2.70	2.72	4.49	4.49	9.07	9.07	-	-	-	-
Middle CH	1.10	1.08	2.73	2.72	4.48	4.50	9.03	9.01	-	-	-	-
Highest CH	1.09	1.10	2.71	2.72	4.50	4.51	9.01	9.03	-	-	-	-

Mode		LTE Band 12 : 99%OBW(MHz)										
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM					
Lowest CH	1.09		2.72		4.49		8.99					
Middle CH	1.08		2.72		4.51		9.01					
Highest CH	1.09		2.73		4.53		8.99					

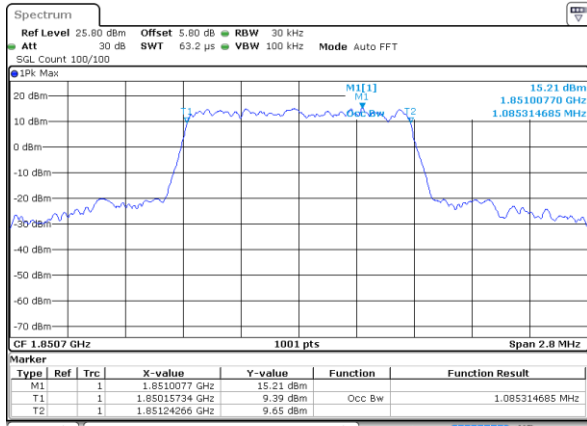
Mode		LTE Band 66 : 99%OBW(MHz)										
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.72	2.73	4.51	4.49	9.03	9.05	13.43	13.4	18.18	18.38
Middle CH	1.09	1.09	2.72	2.73	4.53	4.51	9.07	9.05	13.46	13.46	18.30	18.46
Highest CH	1.08	1.09	2.73	2.72	4.49	4.48	9.09	9.05	13.43	13.46	18.42	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		2.73		4.54		8.97		13.4		18.3	
Middle CH	1.09		2.72		4.51		9.01		13.43		18.42	
Highest CH	1.10		2.71		4.51		9.01		13.49		18.42	



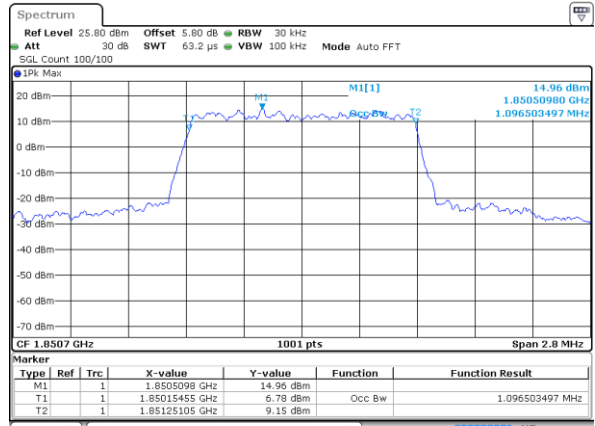
LTE Band 2

Lowest Channel / 1.4MHz / QPSK



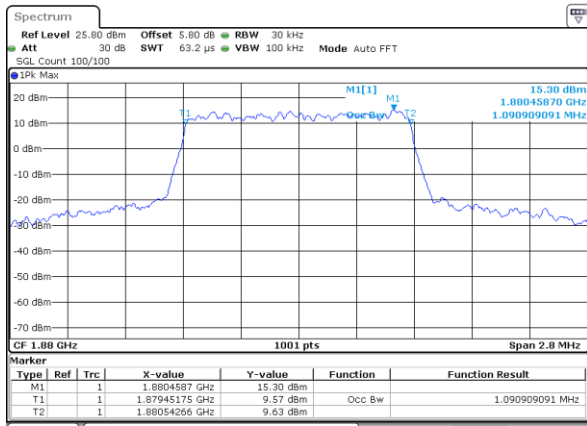
Date: 5 JUL 2019 10:26:50

Lowest Channel / 1.4MHz / 16QAM



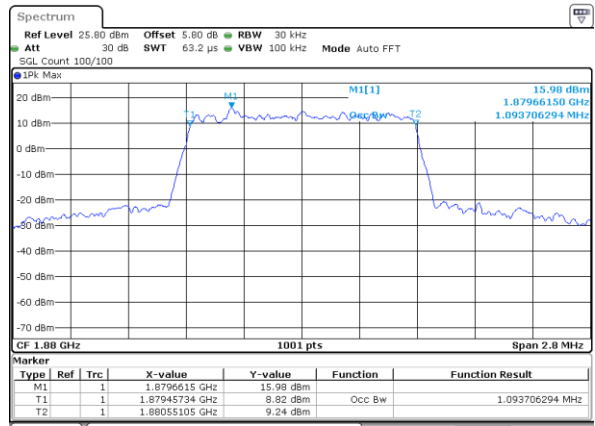
Date: 5 JUL 2019 10:27:00

Middle Channel / 1.4MHz / QPSK



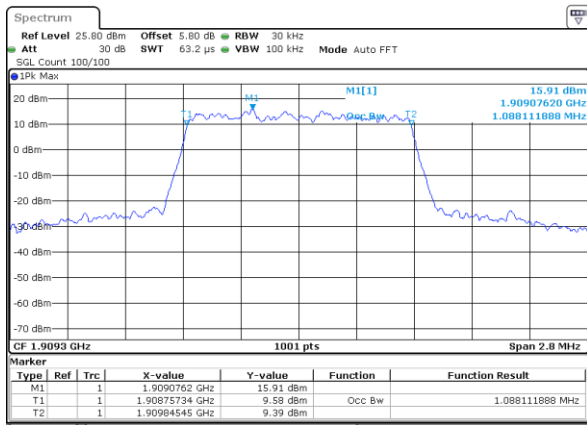
Date: 5 JUL 2019 10:33:50

Middle Channel / 1.4MHz / 16QAM



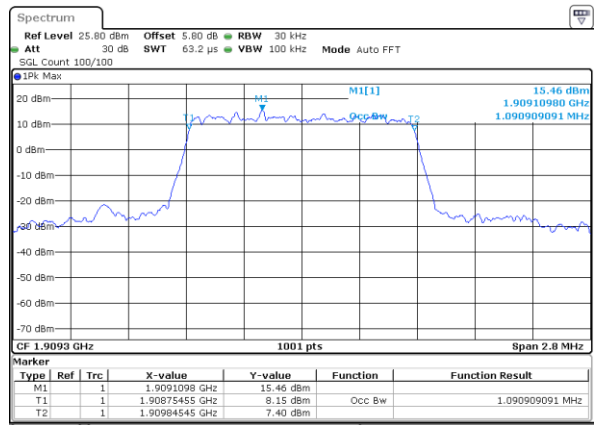
Date: 5 JUL 2019 10:34:00

Highest Channel / 1.4MHz / QPSK



Date: 5 JUL 2019 10:36:20

Highest Channel / 1.4MHz / 16QAM

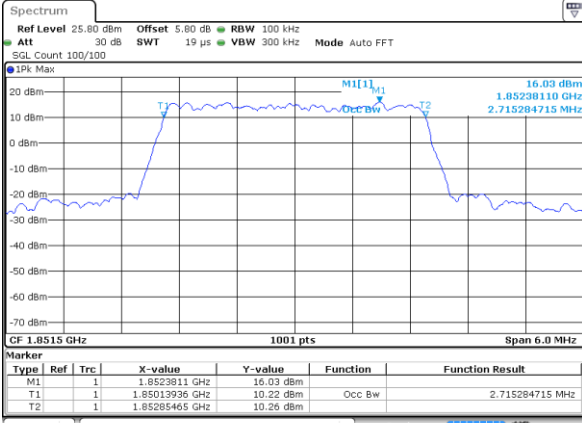


Date: 5 JUL 2019 10:36:30



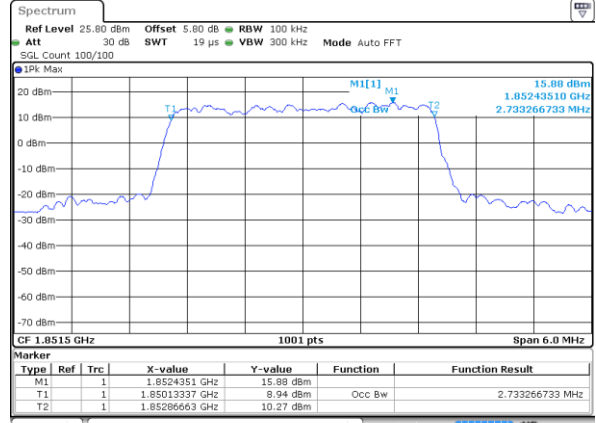
LTE Band 2

Lowest Channel / 3MHz / QPSK



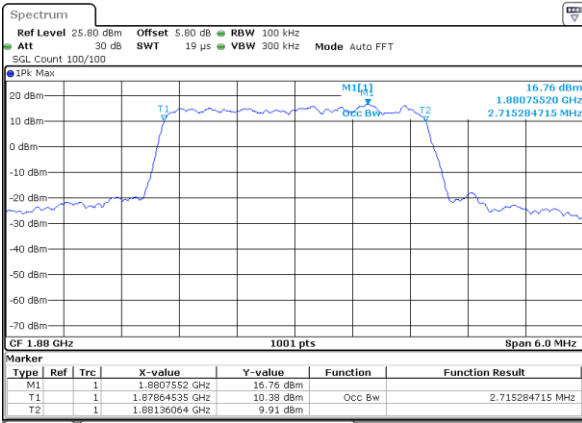
Date: 5 JUL 2019 10:43:20

Lowest Channel / 3MHz / 16QAM



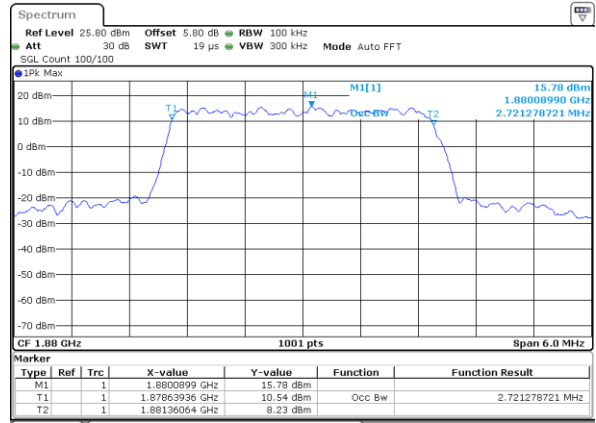
Date: 5 JUL 2019 10:43:30

Middle Channel / 3MHz / QPSK



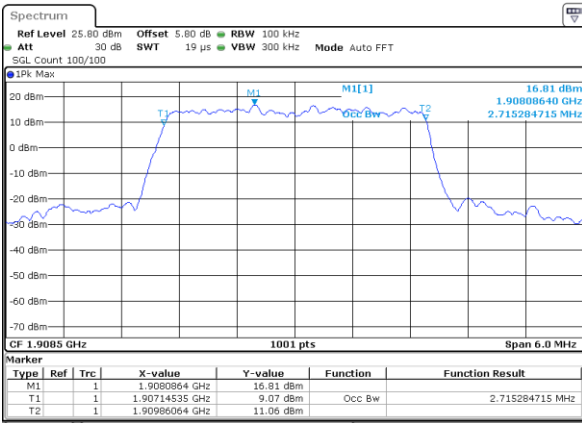
Date: 5 JUL 2019 10:50:20

Middle Channel / 3MHz / 16QAM



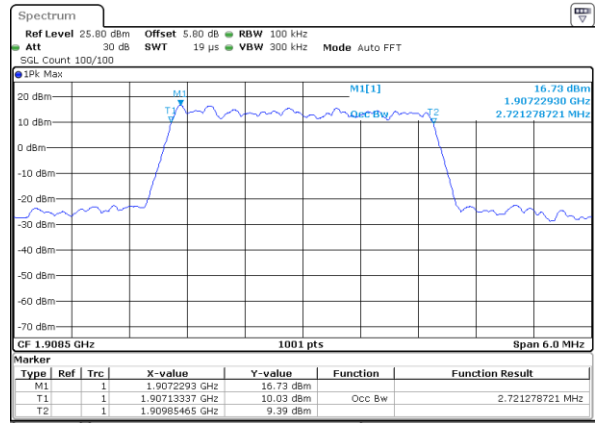
Date: 5 JUL 2019 10:50:30

Highest Channel / 3MHz / QPSK



Date: 5 JUL 2019 10:52:00

Highest Channel / 3MHz / 16QAM

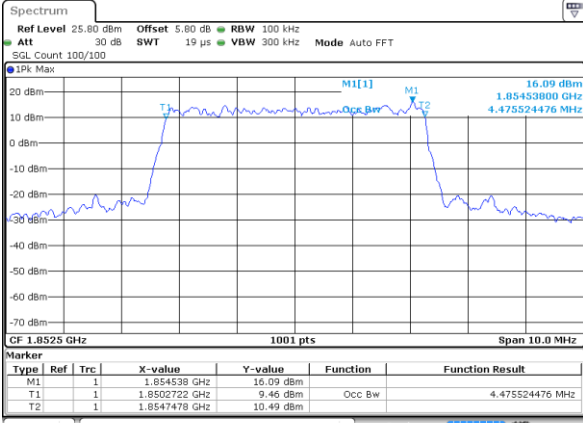


Date: 5 JUL 2019 10:53:00



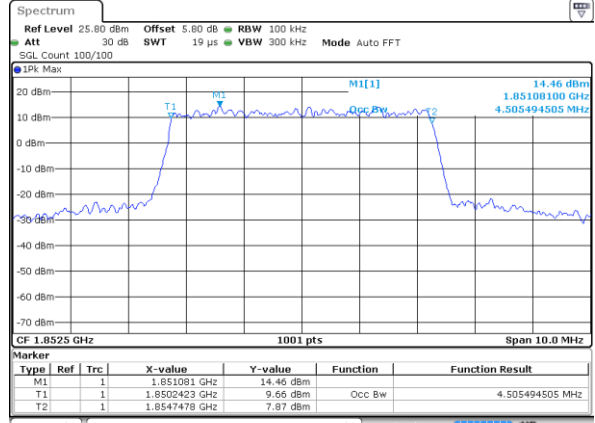
LTE Band 2

Lowest Channel / 5MHz / QPSK



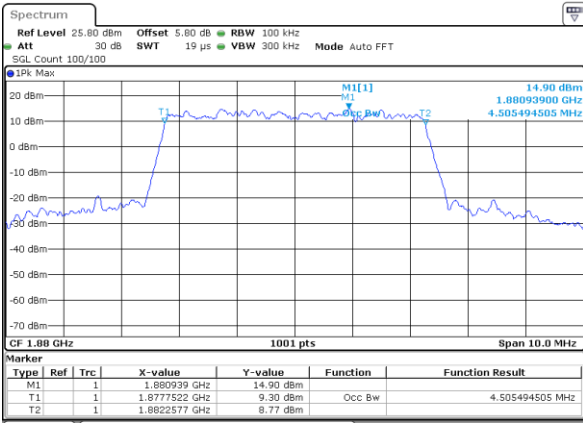
Date: 5 JUL 2019 10:59:50

Lowest Channel / 5MHz / 16QAM



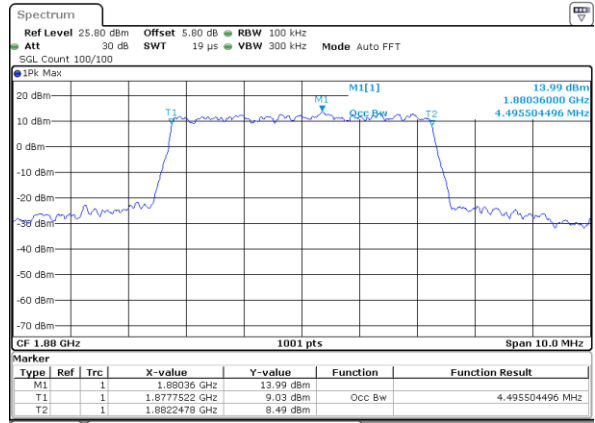
Date: 5 JUL 2019 11:00:00

Middle Channel / 5MHz / QPSK



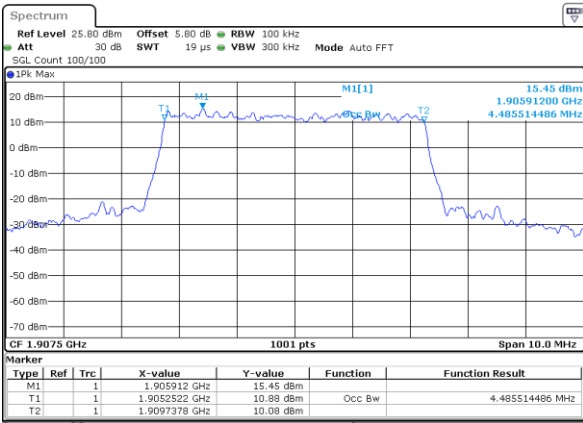
Date: 5 JUL 2019 11:06:50

Middle Channel / 5MHz / 16QAM



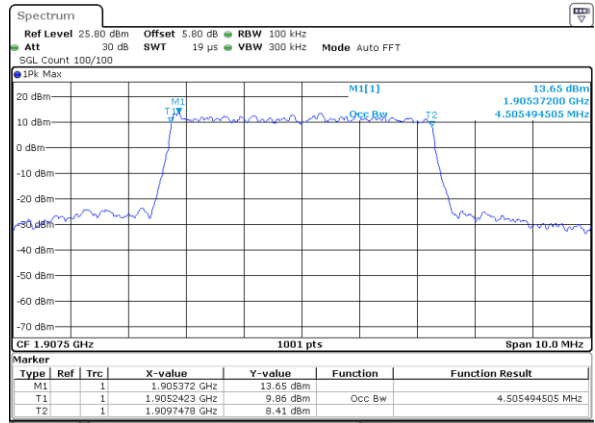
Date: 5 JUL 2019 11:07:00

Highest Channel / 5MHz / QPSK



Date: 5 JUL 2019 11:09:20

Highest Channel / 5MHz / 16QAM

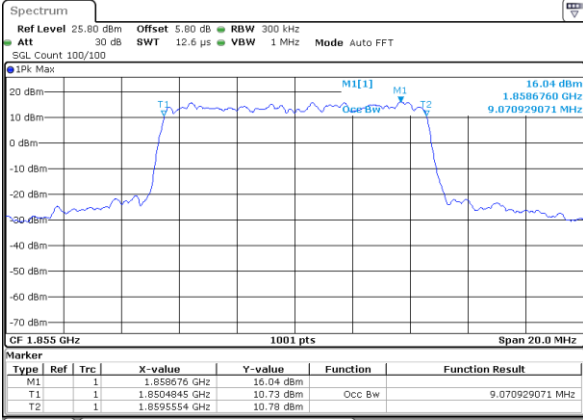


Date: 5 JUL 2019 11:09:30



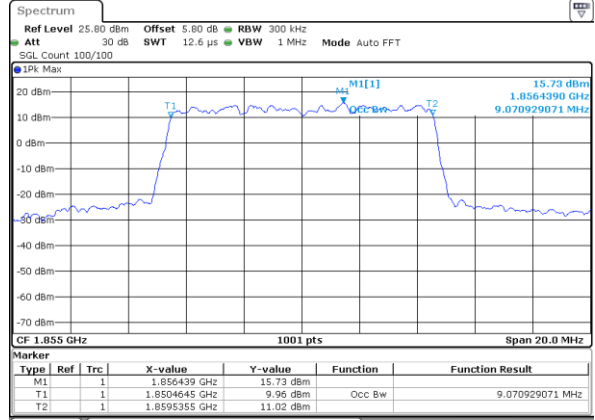
LTE Band 2

Lowest Channel / 10MHz / QPSK



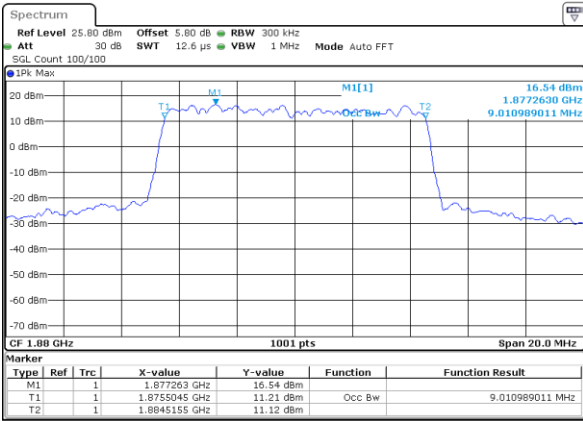
Date: 5 JUL 2019 11:16:20

Lowest Channel / 10MHz / 16QAM



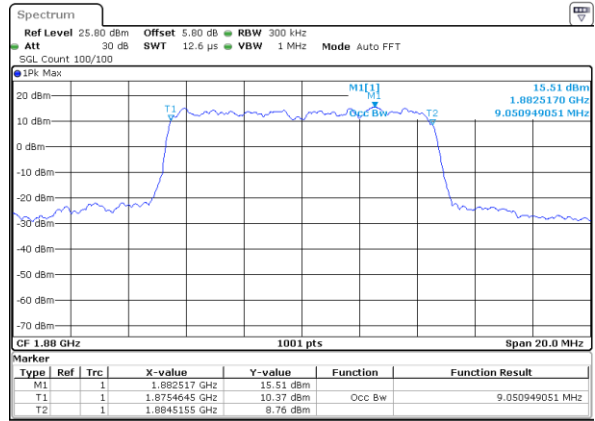
Date: 5 JUL 2019 11:16:30

Middle Channel / 10MHz / QPSK



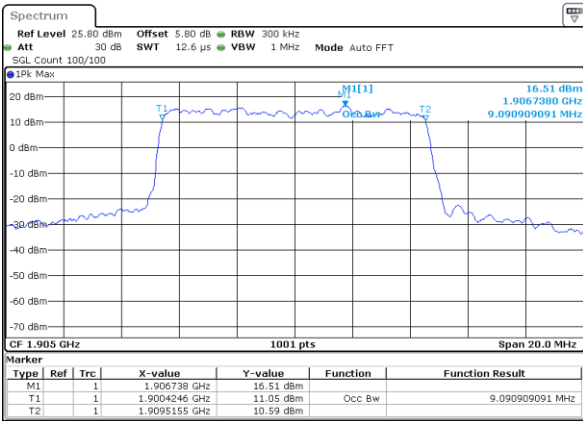
Date: 5 JUL 2019 11:23:20

Middle Channel / 10MHz / 16QAM



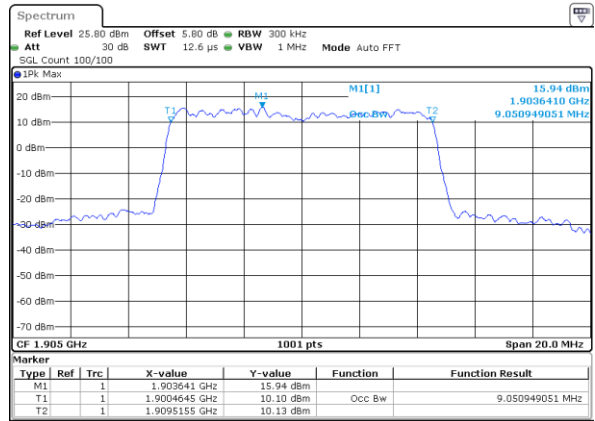
Date: 5 JUL 2019 11:23:30

Highest Channel / 10MHz / QPSK



Date: 5 JUL 2019 11:25:50

Highest Channel / 10MHz / 16QAM

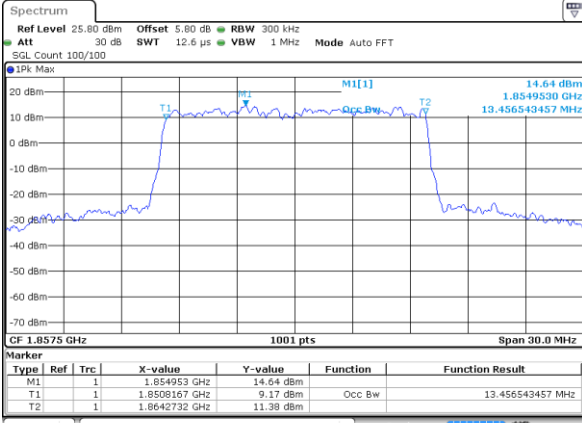


Date: 5 JUL 2019 11:26:01



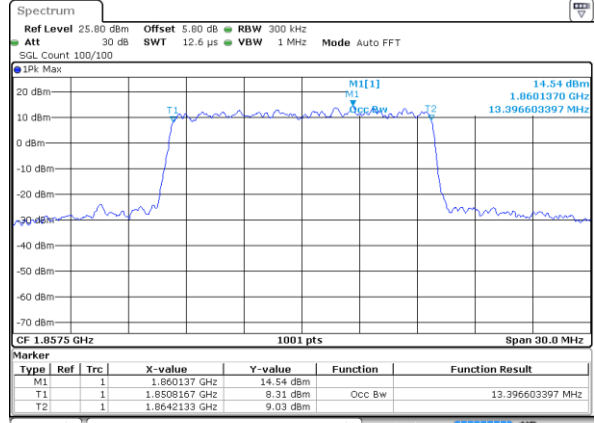
LTE Band 2

Lowest Channel / 15MHz / QPSK



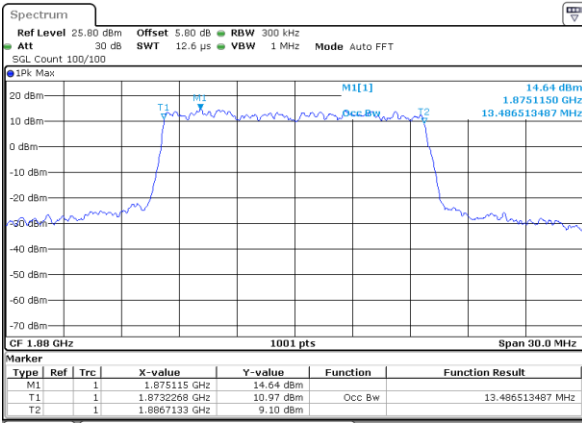
Date: 5 JUL 2019 11:32:51

Lowest Channel / 15MHz / 16QAM



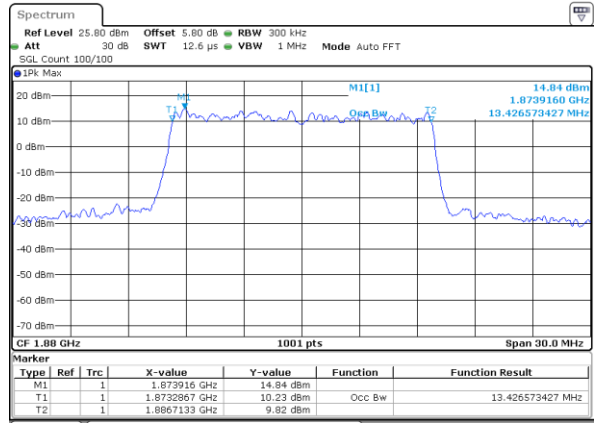
Date: 5 JUL 2019 11:33:01

Middle Channel / 15MHz / QPSK



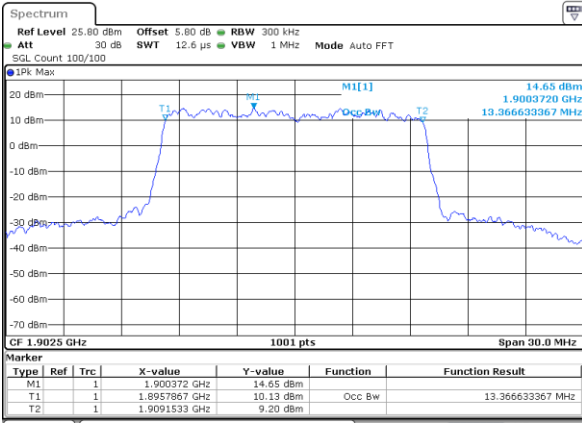
Date: 5 JUL 2019 11:39:51

Middle Channel / 15MHz / 16QAM



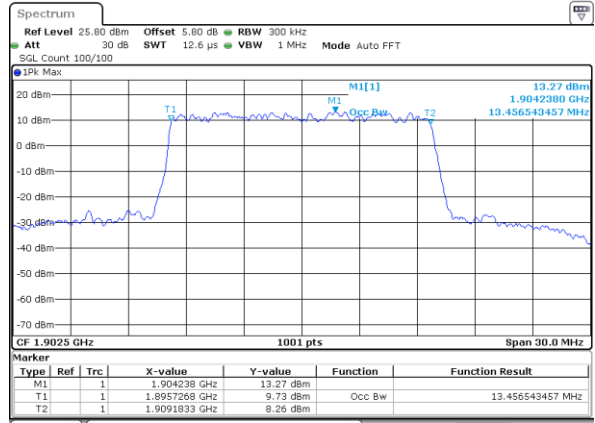
Date: 5 JUL 2019 11:40:01

Highest Channel / 15MHz / QPSK



Date: 5 JUL 2019 11:42:21

Highest Channel / 15MHz / 16QAM

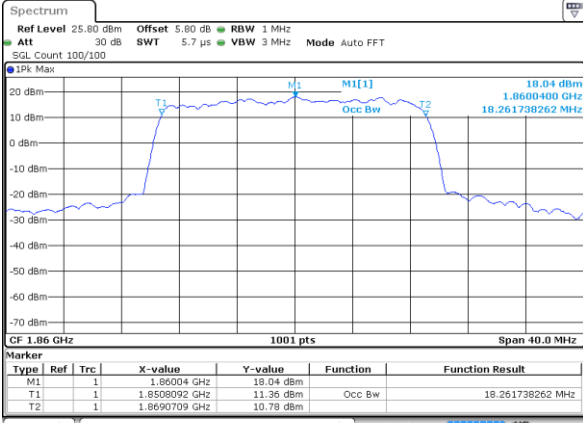


Date: 5 JUL 2019 11:42:31



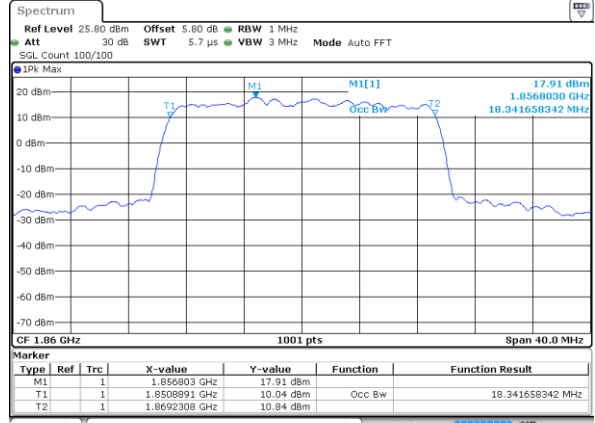
LTE Band 2

Lowest Channel / 20MHz / QPSK



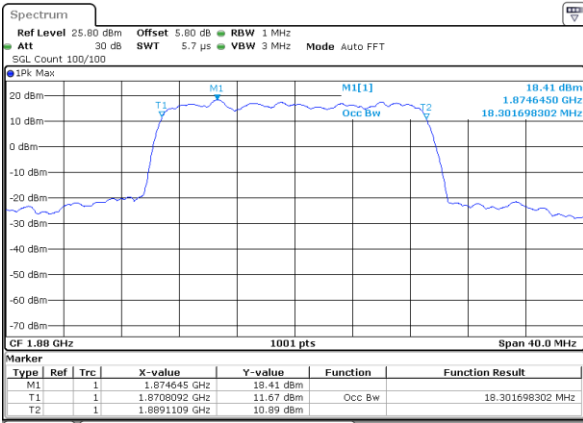
Date: 5 JUL 2019 11:49:21

Lowest Channel / 20MHz / 16QAM



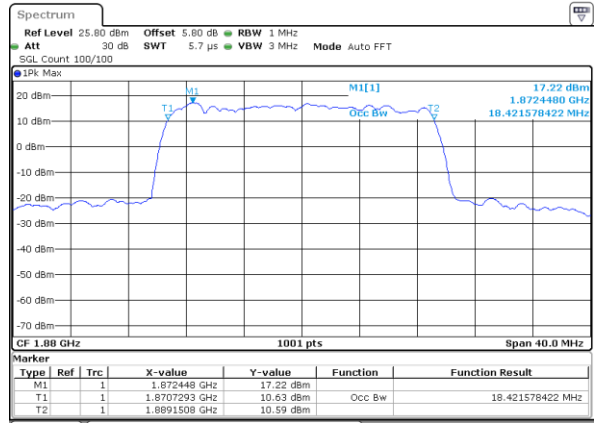
Date: 5 JUL 2019 11:49:31

Middle Channel / 20MHz / QPSK



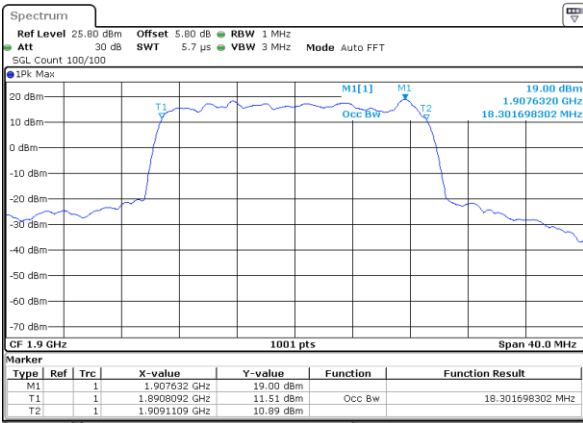
Date: 5 JUL 2019 11:56:21

Middle Channel / 20MHz / 16QAM



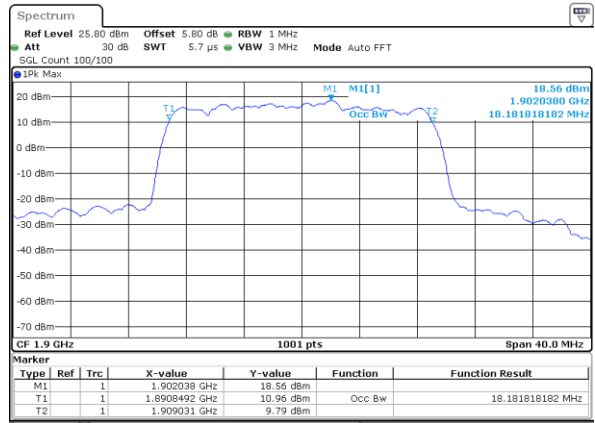
Date: 5 JUL 2019 11:56:31

Highest Channel / 20MHz / QPSK



Date: 5 JUL 2019 11:56:51

Highest Channel / 20MHz / 16QAM

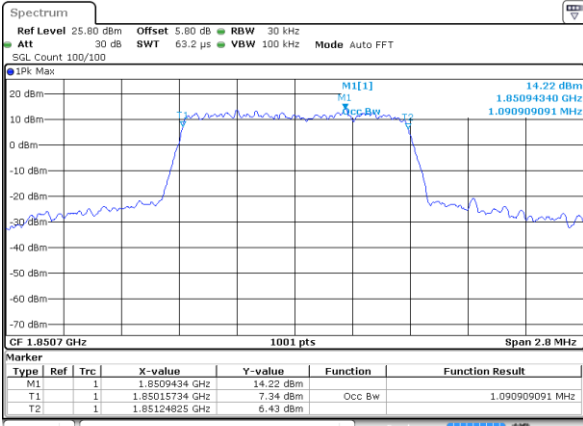


Date: 5 JUL 2019 11:59:01



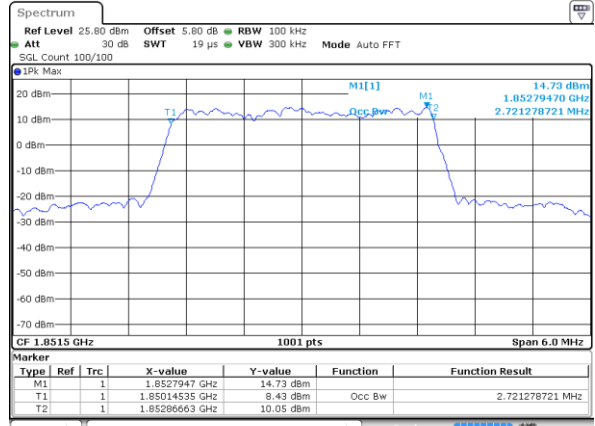
LTE Band 2

Lowest Channel / 1.4MHz / 64QAM



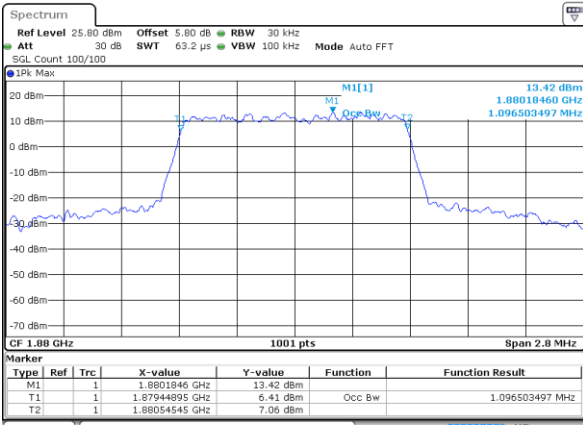
Date: 5 JUL 2019 12:05:51

Lowest Channel / 3MHz / 64QAM



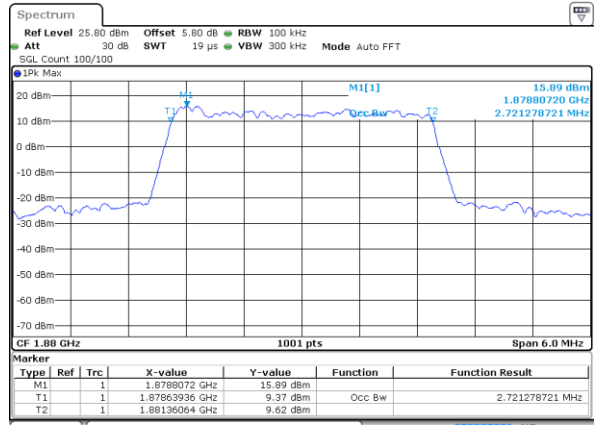
Date: 5 JUL 2019 12:06:21

Middle Channel / 1.4MHz / 64QAM



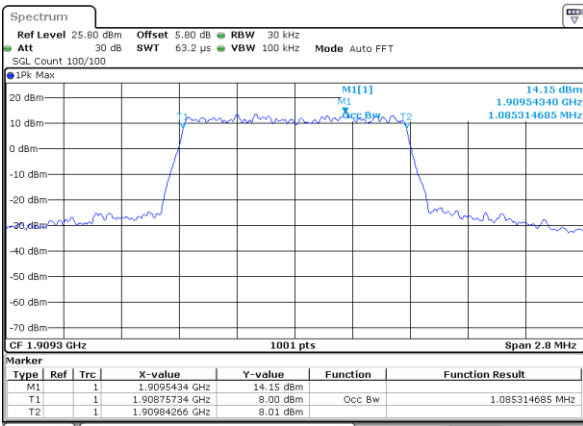
Date: 5 JUL 2019 12:06:01

Middle Channel / 3MHz / 64QAM



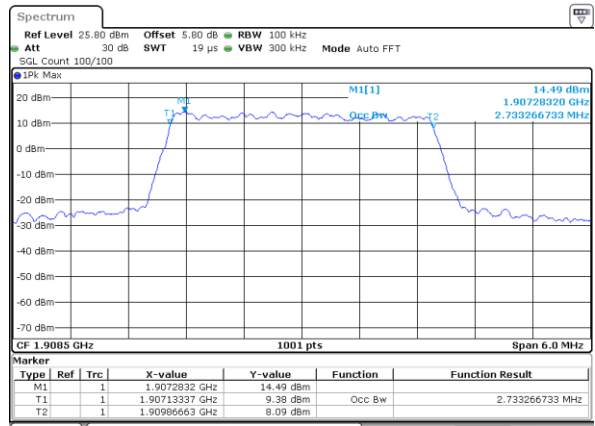
Date: 5 JUL 2019 12:06:31

Highest Channel / 1.4MHz / 64QAM



Date: 5 JUL 2019 12:06:11

Highest Channel / 3MHz / 64QAM



Date: 5 JUL 2019 12:06:41