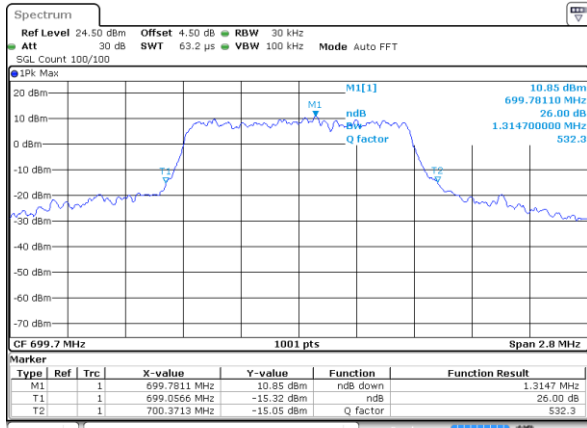




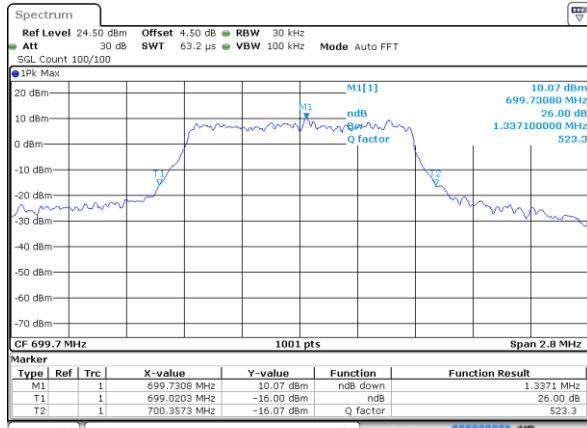
LTE Band 12

Lowest Channel / 1.4MHz / QPSK



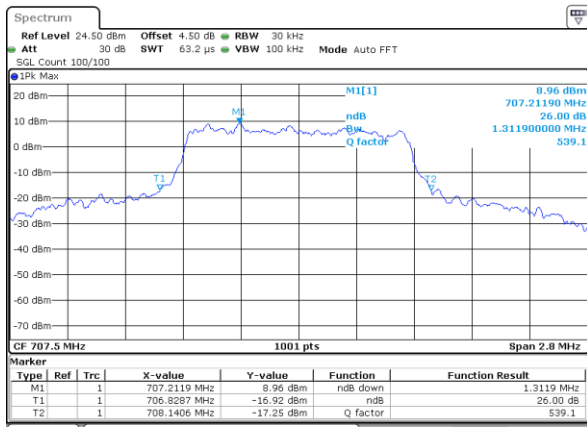
Date: 5 APR 2019 18:03:31

Lowest Channel / 1.4MHz / 16QAM



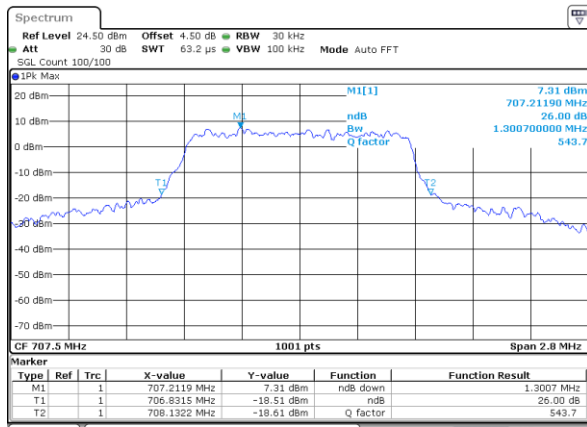
Date: 5 APR 2019 18:03:21

Middle Channel / 1.4MHz / QPSK



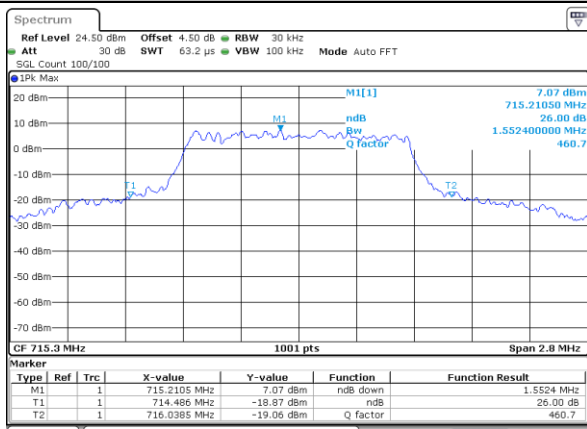
Date: 5 APR 2019 18:03:01

Middle Channel / 1.4MHz / 16QAM



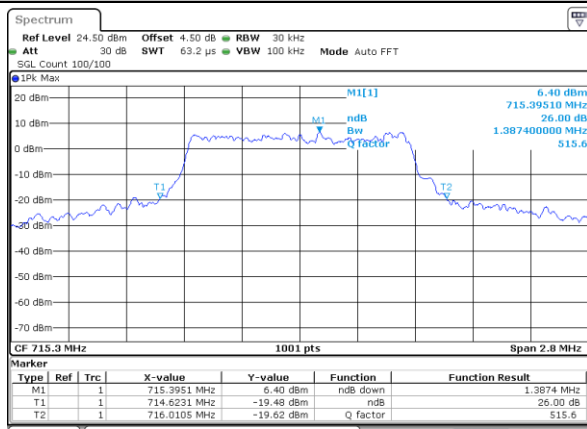
Date: 5 APR 2019 18:03:11

Highest Channel / 1.4MHz / QPSK



Date: 5 APR 2019 18:02:51

Highest Channel / 1.4MHz / 16QAM

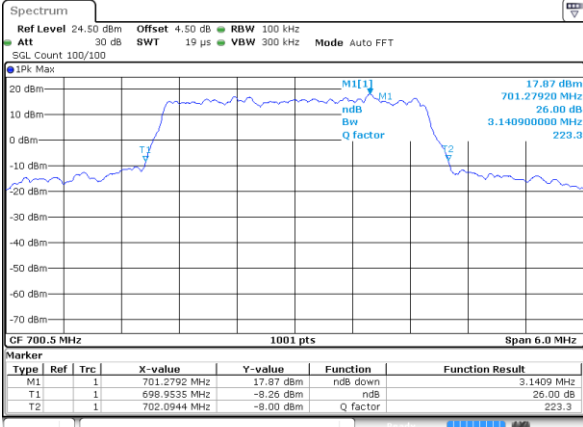


Date: 5 APR 2019 18:02:41



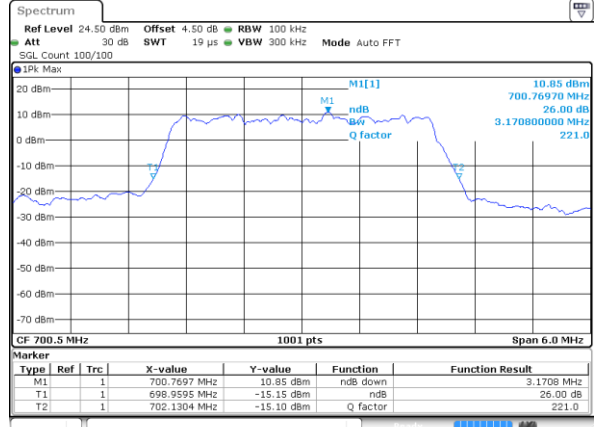
LTE Band 12

Lowest Channel / 3MHz / QPSK



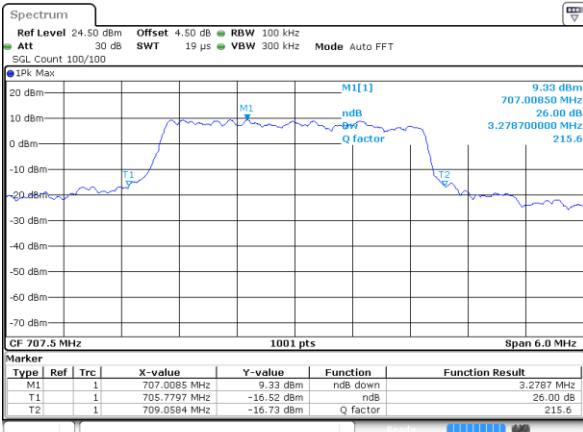
Date: 5 APR 2019 20:38:32

Lowest Channel / 3MHz / 16QAM



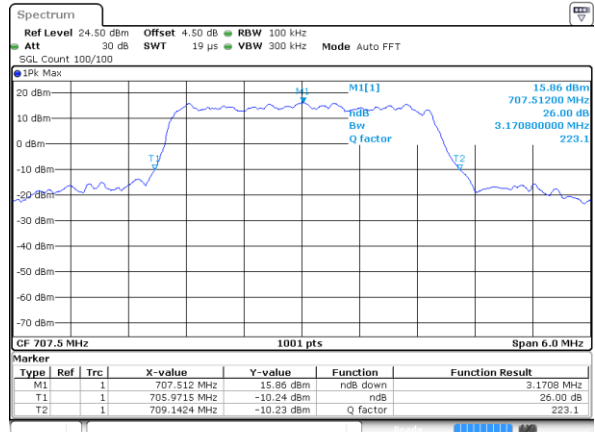
Date: 5 APR 2019 18:41:37

Middle Channel / 3MHz / QPSK



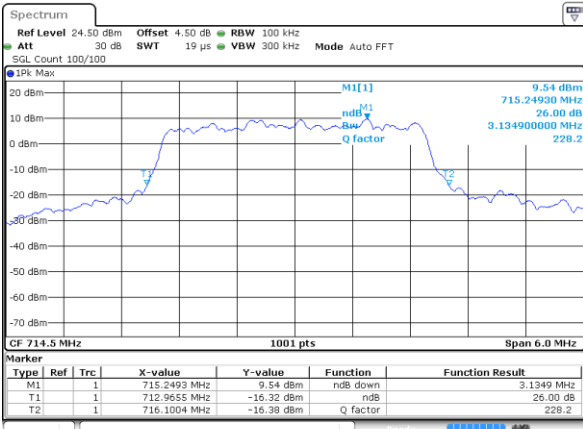
Date: 5 APR 2019 18:41:17

Middle Channel / 3MHz / 16QAM



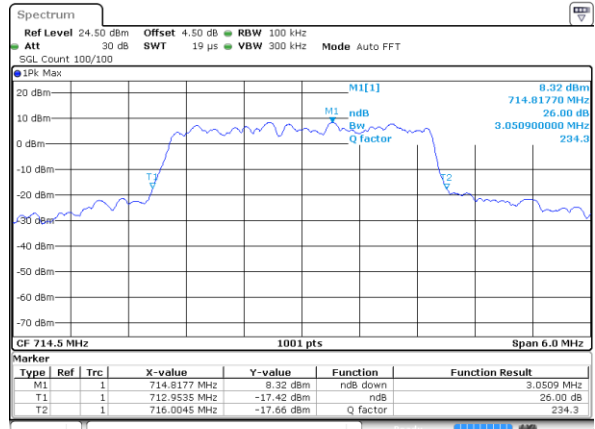
Date: 5 APR 2019 20:38:10

Highest Channel / 3MHz / QPSK



Date: 5 APR 2019 18:41:07

Highest Channel / 3MHz / 16QAM

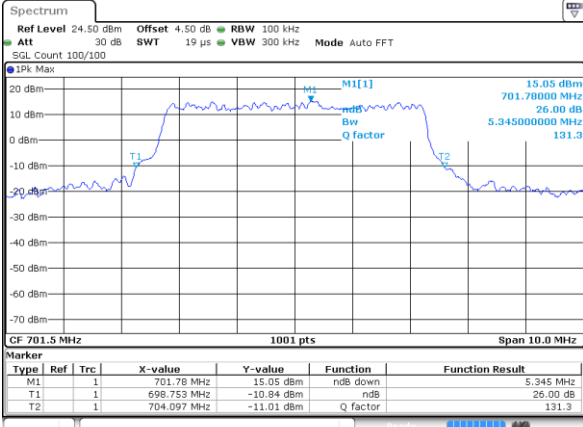


Date: 5 APR 2019 18:40:57



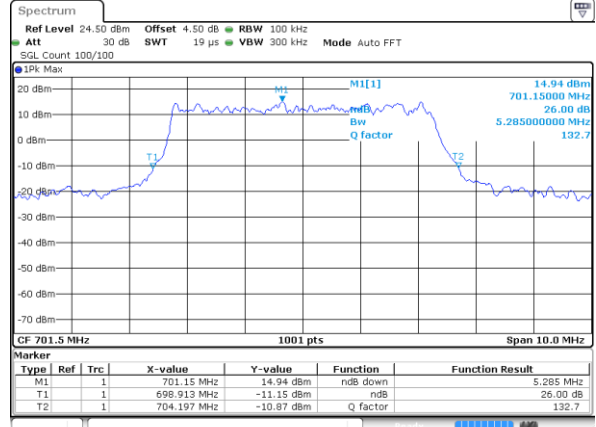
LTE Band 12

Lowest Channel / 5MHz / QPSK



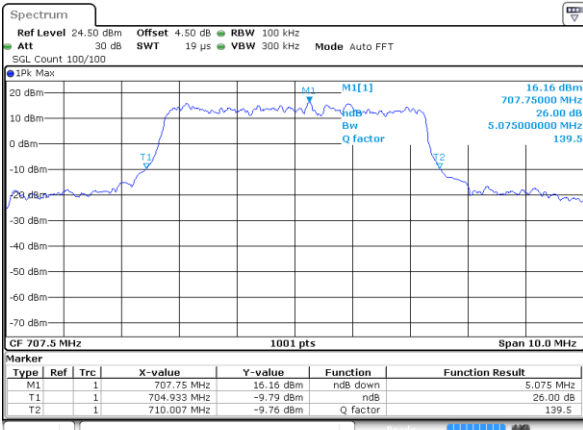
Date: 5 APR 2019 19:01:04

Lowest Channel / 5MHz / 16QAM



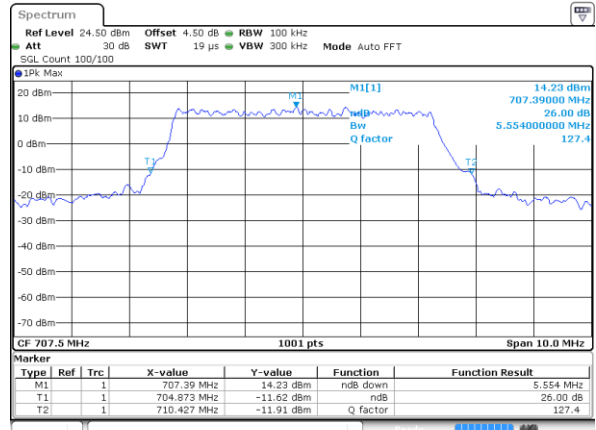
Date: 5 APR 2019 19:00:54

Middle Channel / 5MHz / QPSK



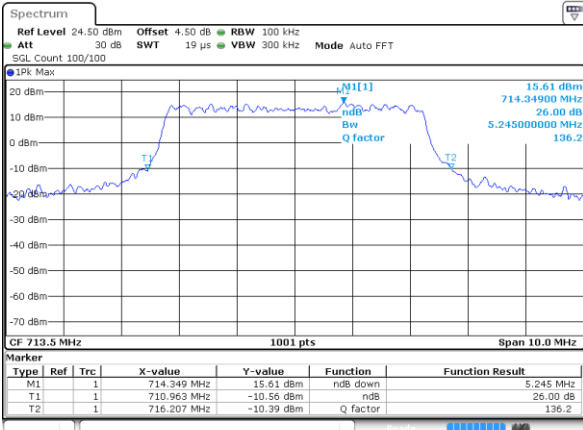
Date: 5 APR 2019 19:00:34

Middle Channel / 5MHz / 16QAM



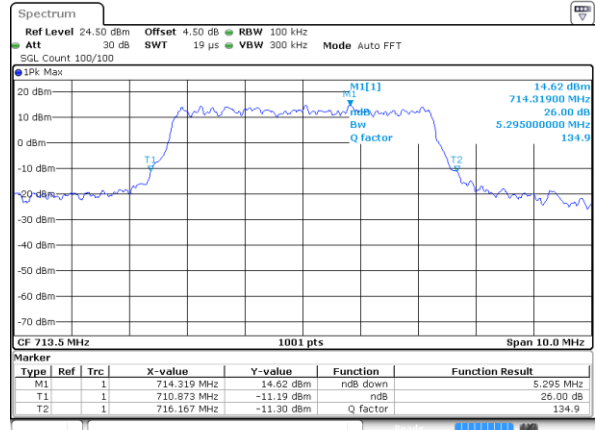
Date: 5 APR 2019 19:00:44

Highest Channel / 5MHz / QPSK



Date: 5 APR 2019 19:00:24

Highest Channel / 5MHz / 16QAM

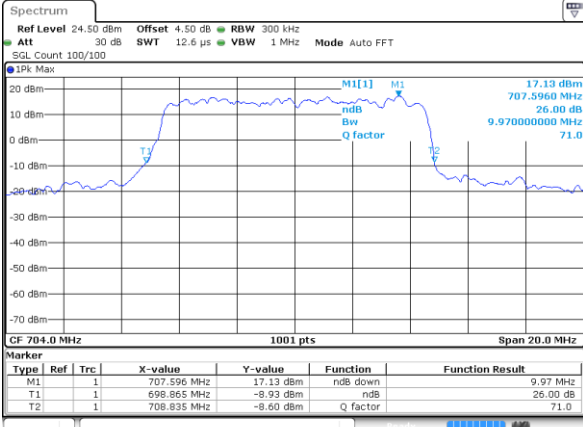


Date: 5 APR 2019 19:00:14



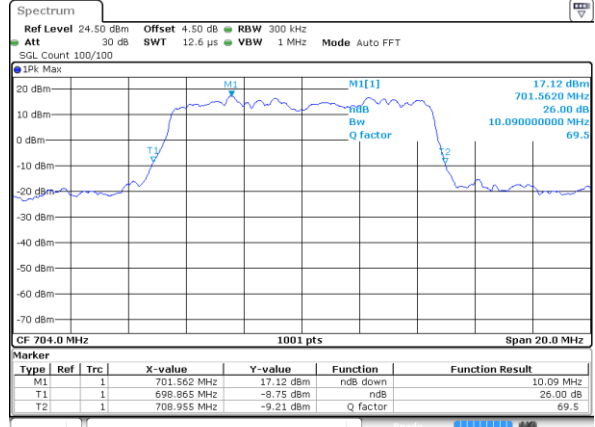
LTE Band 12

Lowest Channel / 10MHz / QPSK



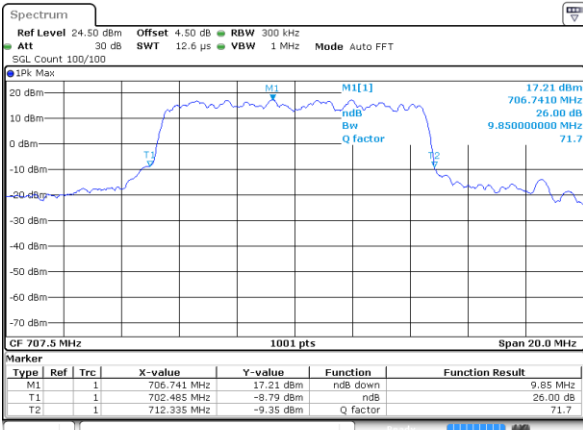
Date: 5 APR 2019 19:18:38

Lowest Channel / 10MHz / 16QAM



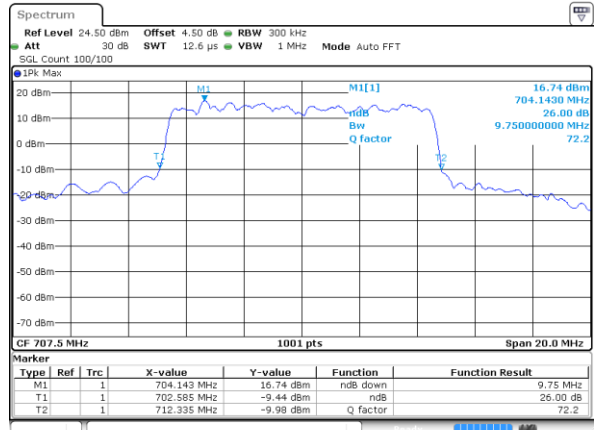
Date: 5 APR 2019 19:18:28

Middle Channel / 10MHz / QPSK



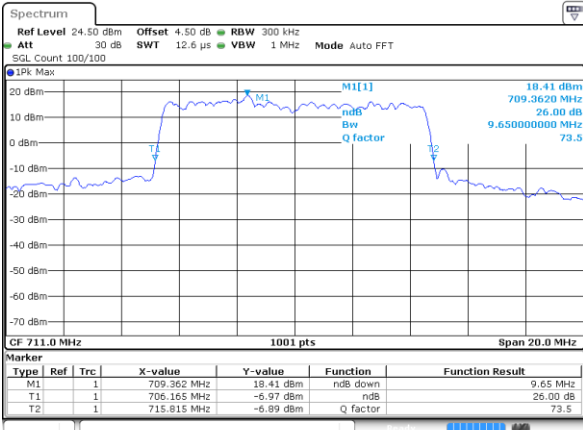
Date: 5 APR 2019 19:18:08

Middle Channel / 10MHz / 16QAM



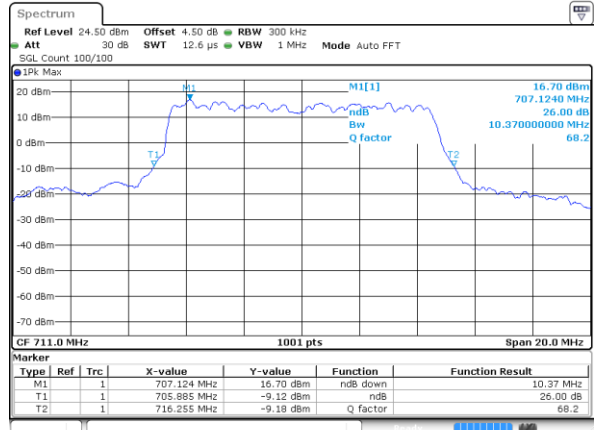
Date: 5 APR 2019 19:18:18

Highest Channel / 10MHz / QPSK



Date: 5 APR 2019 19:17:58

Highest Channel / 10MHz / 16QAM

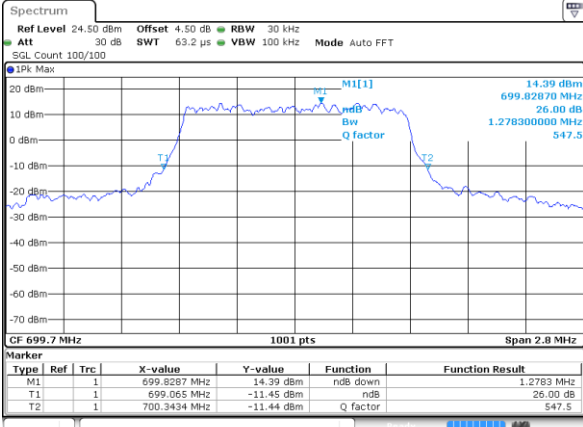


Date: 5 APR 2019 19:17:48



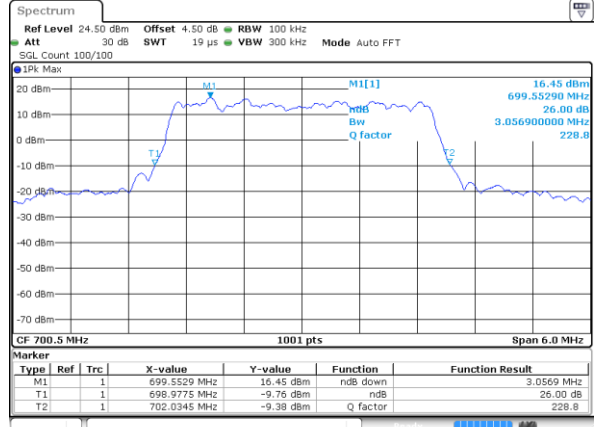
LTE Band 12

Lowest Channel / 1.4MHz / 64QAM



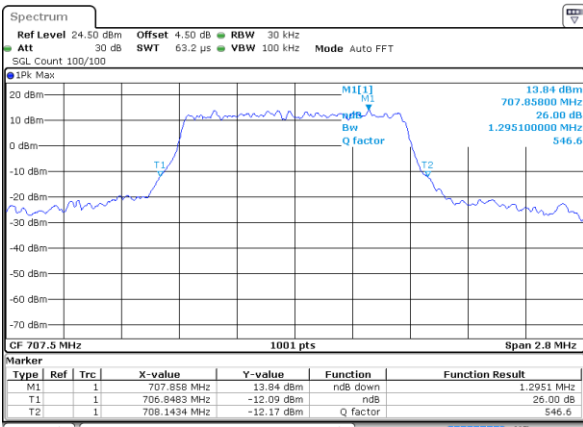
Date: 5 APR 2019 19:34:06

Lowest Channel / 3MHz / 64QAM



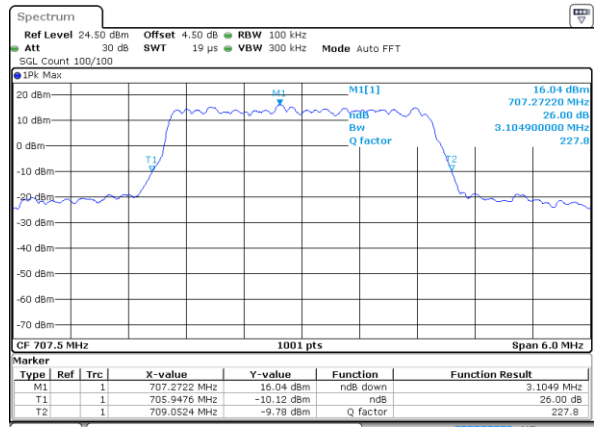
Date: 5 APR 2019 19:45:30

Middle Channel / 1.4MHz / 64QAM



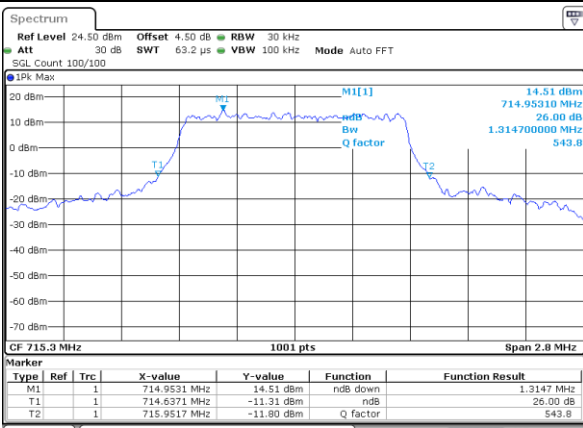
Date: 5 APR 2019 19:34:26

Middle Channel / 3MHz / 64QAM



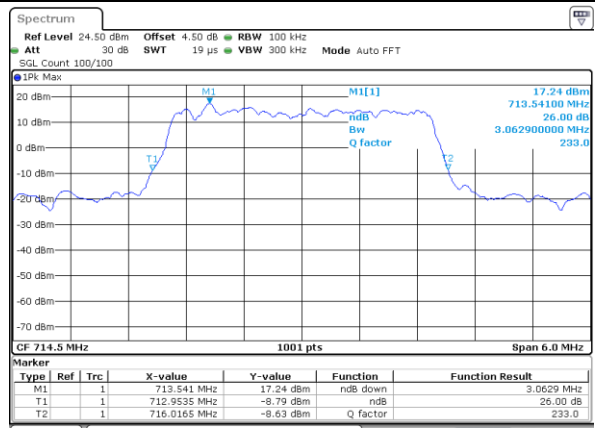
Date: 5 APR 2019 19:45:50

Highest Channel / 1.4MHz / 64QAM



Date: 5 APR 2019 19:34:46

Highest Channel / 3MHz / 64QAM

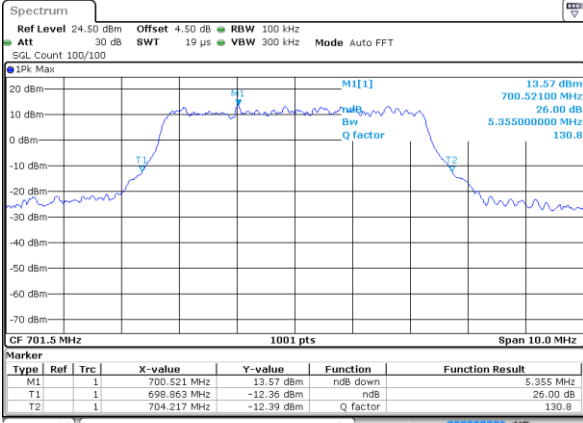


Date: 5 APR 2019 19:46:10



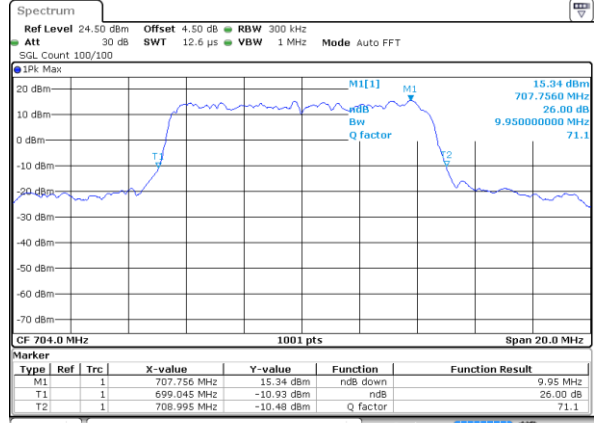
LTE Band 12

Lowest Channel / 5MHz / 64QAM



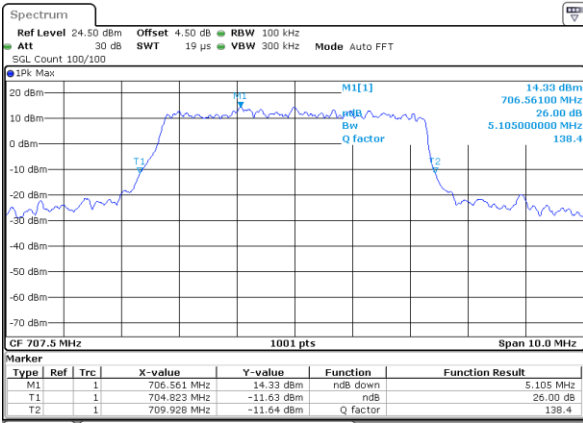
Date: 5 APR 2019 19:51:18

Lowest Channel / 10MHz / 64QAM



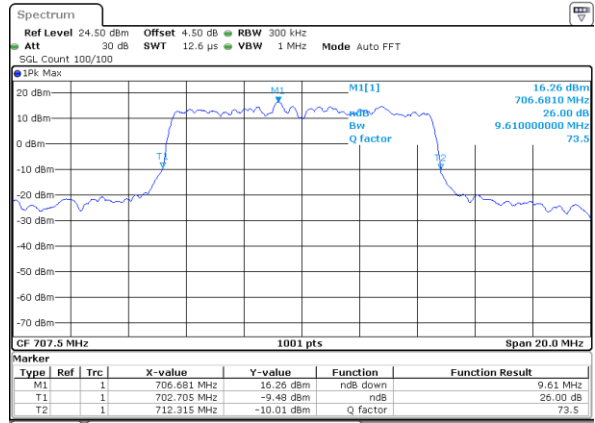
Date: 5 APR 2019 20:15:17

Middle Channel / 5MHz / 64QAM



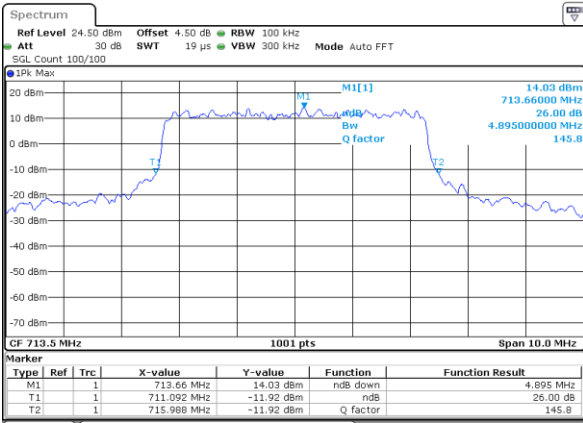
Date: 5 APR 2019 19:51:38

Middle Channel / 10MHz / 64QAM



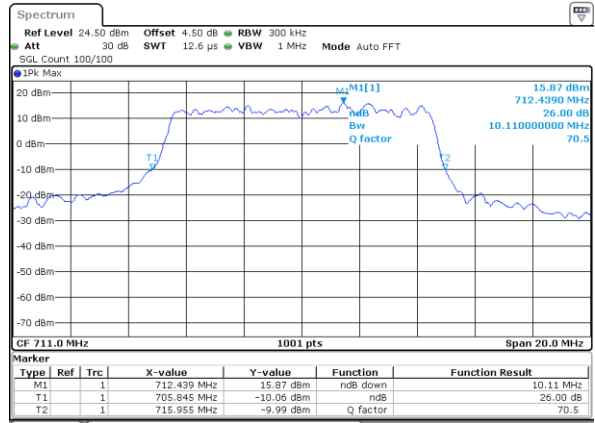
Date: 5 APR 2019 20:15:37

Highest Channel / 5MHz / 64QAM



Date: 5 APR 2019 19:51:58

Highest Channel / 10MHz / 64QAM

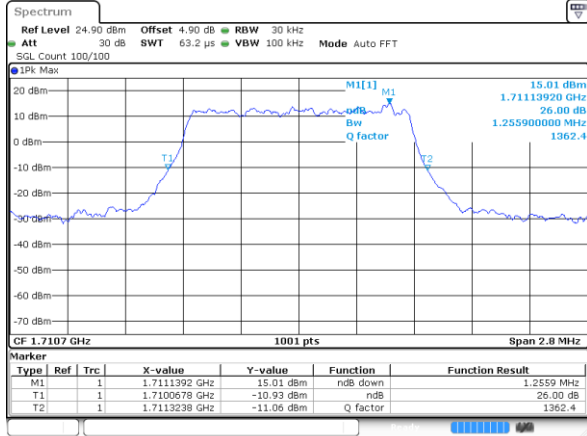


Date: 5 APR 2019 20:15:57



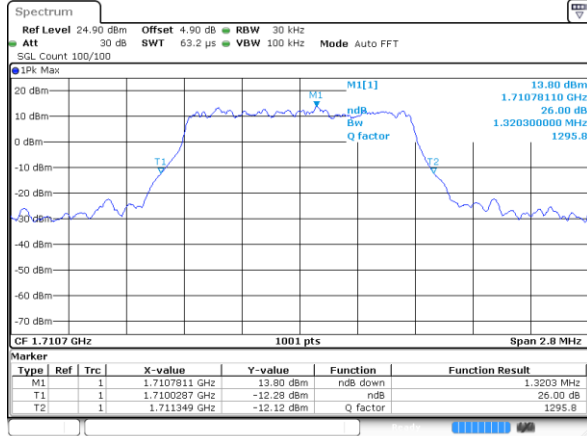
LTE Band 66

Lowest Channel / 1.4MHz / QPSK



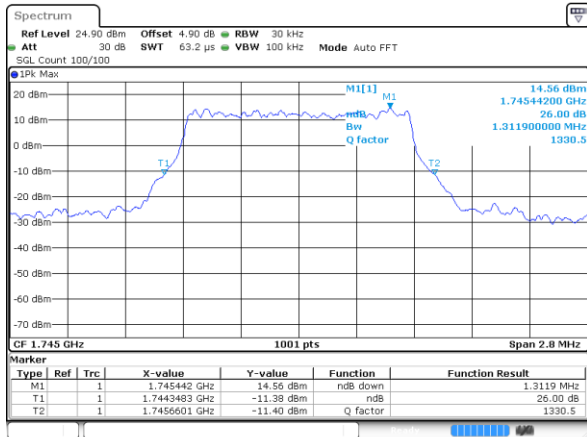
Date: 8 APR 2019 15:02:48

Lowest Channel / 1.4MHz / 16QAM



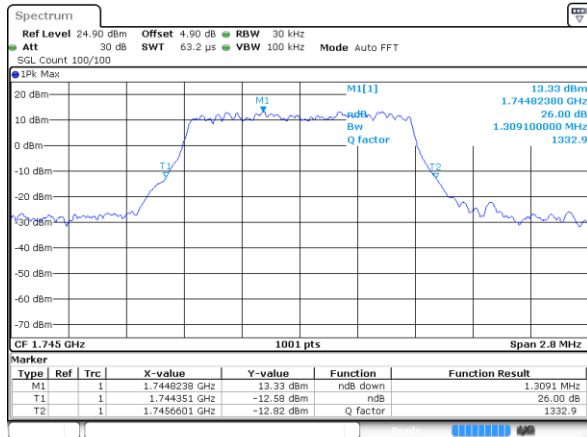
Date: 8 APR 2019 15:03:03

Middle Channel / 1.4MHz / QPSK



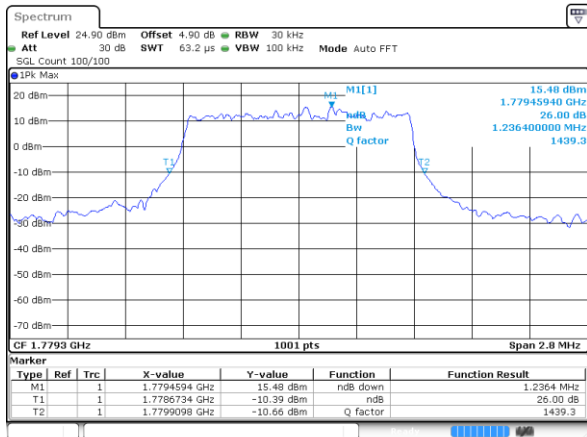
Date: 8 APR 2019 15:16:02

Middle Channel / 1.4MHz / 16QAM



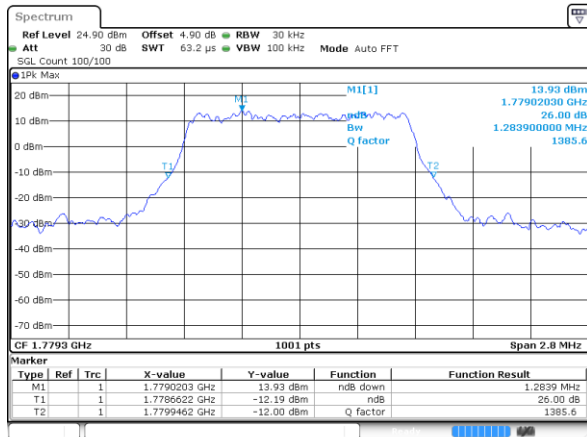
Date: 8 APR 2019 15:16:28

Highest Channel / 1.4MHz / QPSK



Date: 8 APR 2019 15:19:18

Highest Channel / 1.4MHz / 16QAM

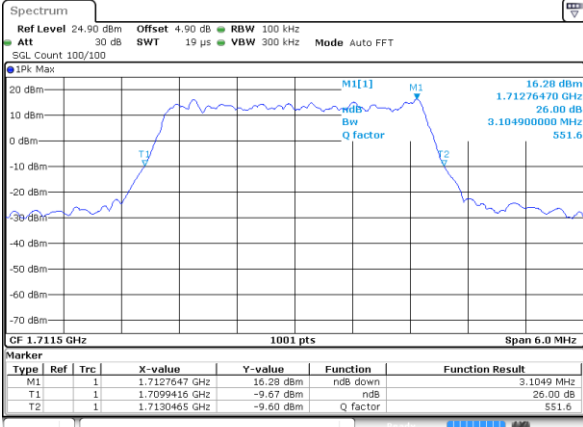


Date: 8 APR 2019 15:18:47



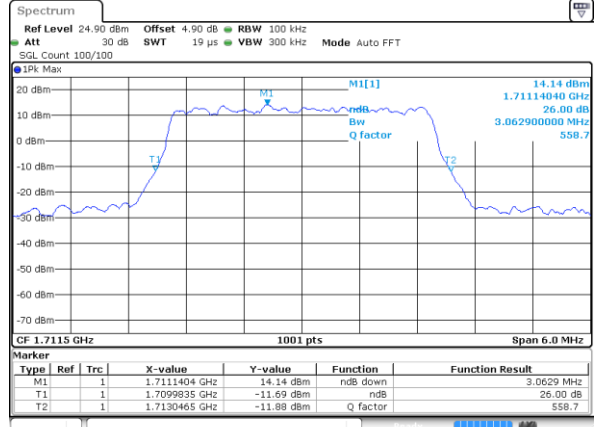
LTE Band 66

Lowest Channel / 3MHz / QPSK



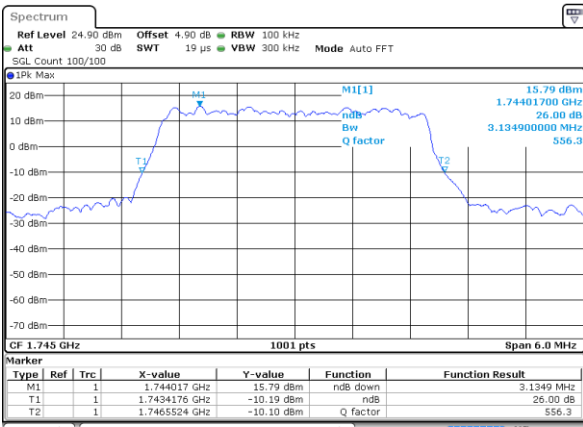
Date: 8 APR 2019 15:36:08

Lowest Channel / 3MHz / 16QAM



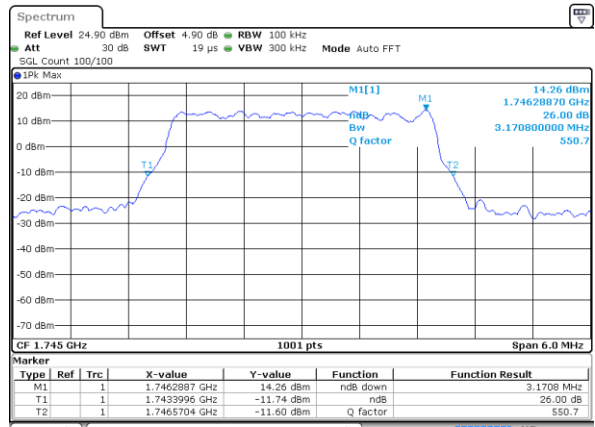
Date: 8 APR 2019 15:36:23

Middle Channel / 3MHz / QPSK



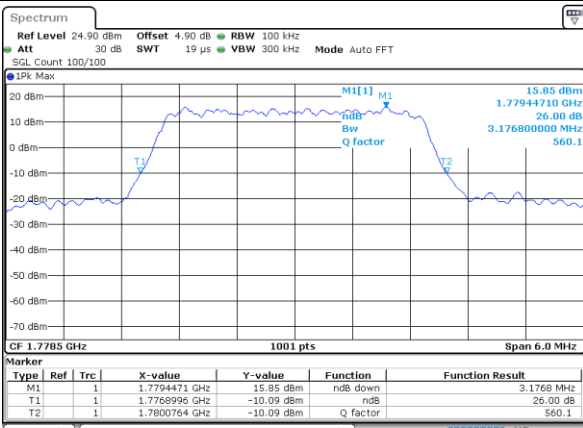
Date: 8 APR 2019 15:47:15

Middle Channel / 3MHz / 16QAM



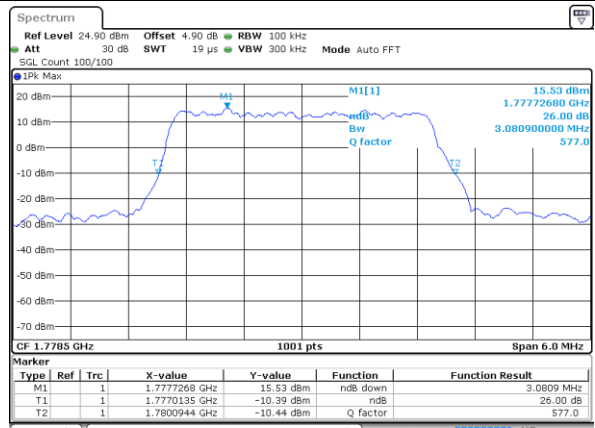
Date: 8 APR 2019 15:47:32

Highest Channel / 3MHz / QPSK



Date: 8 APR 2019 15:48:25

Highest Channel / 3MHz / 16QAM

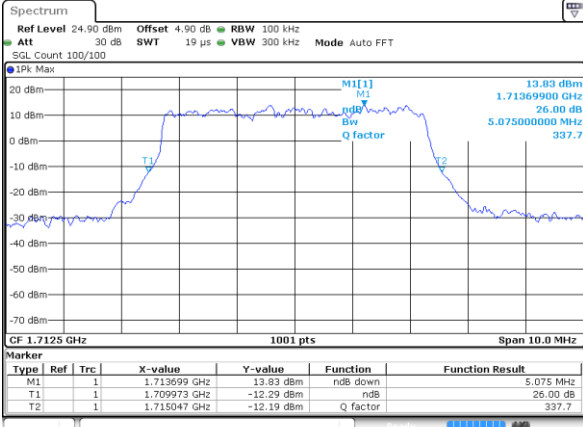


Date: 8 APR 2019 15:50:04



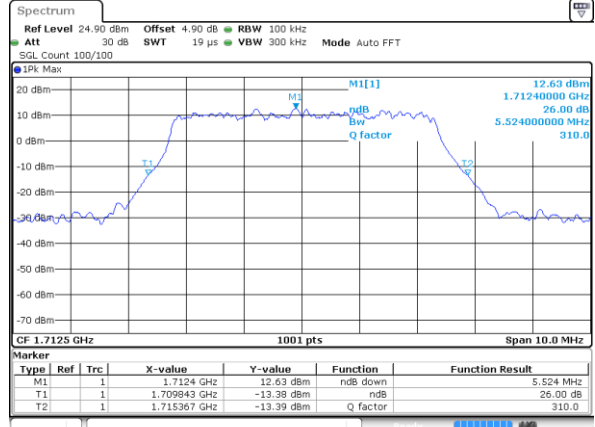
LTE Band 66

Lowest Channel / 5MHz / QPSK



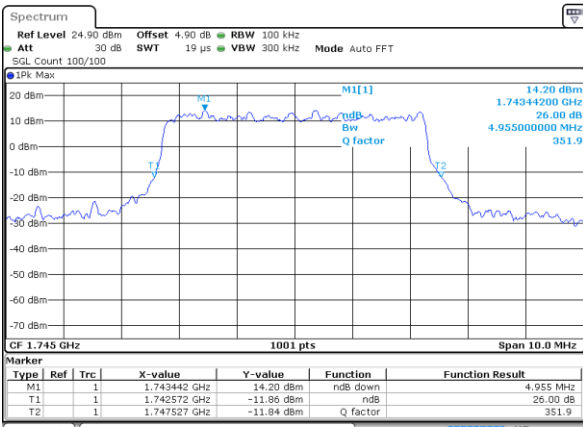
Date: 8 APR 2019 15:56:37

Lowest Channel / 5MHz / 16QAM



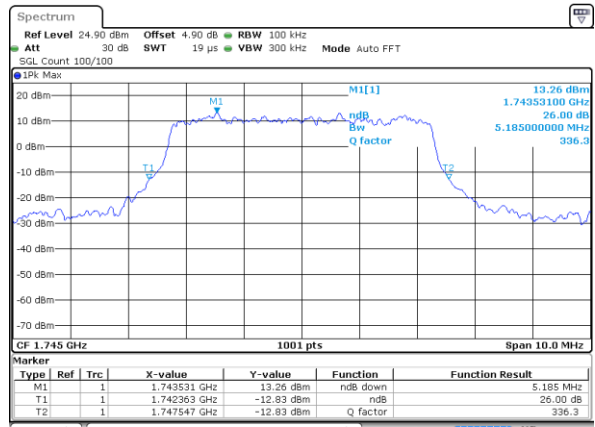
Date: 8 APR 2019 15:57:03

Middle Channel / 5MHz / QPSK



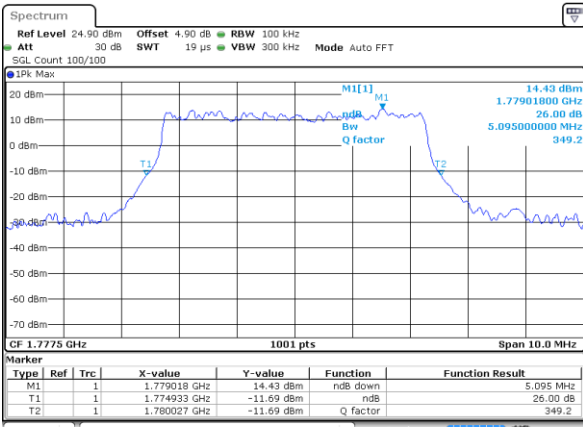
Date: 8 APR 2019 16:04:12

Middle Channel / 5MHz / 16QAM



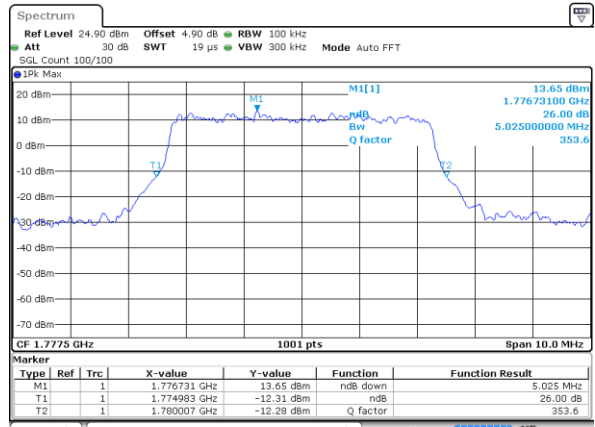
Date: 8 APR 2019 16:04:26

Highest Channel / 5MHz / QPSK



Date: 8 APR 2019 16:06:44

Highest Channel / 5MHz / 16QAM

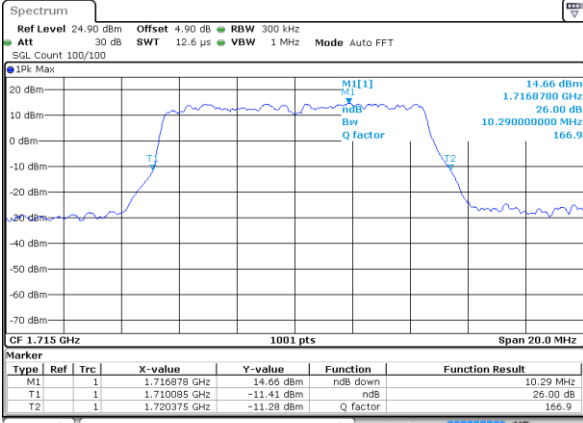


Date: 8 APR 2019 16:07:18



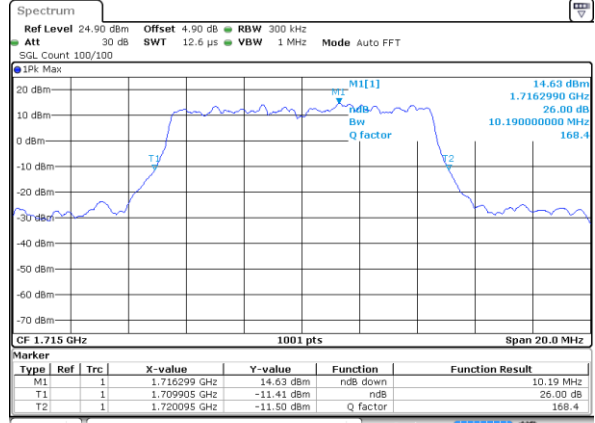
LTE Band 66

Lowest Channel / 10MHz / QPSK



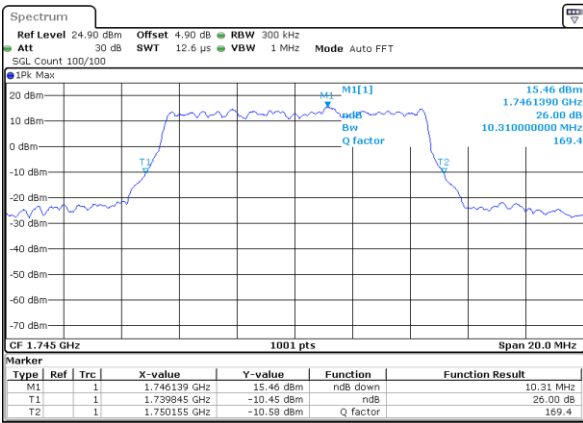
Date: 8 APR 2019 16:14:23

Lowest Channel / 10MHz / 16QAM



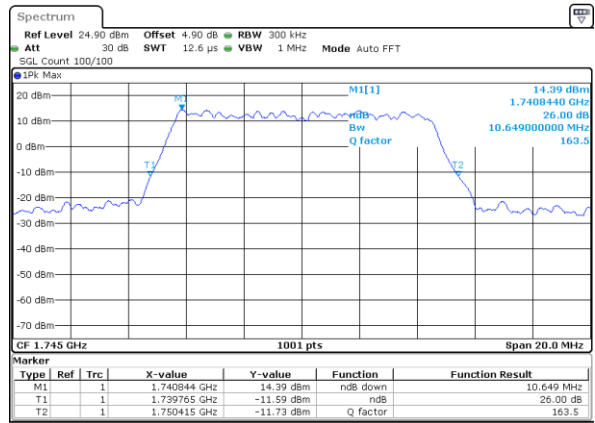
Date: 8 APR 2019 16:14:48

Middle Channel / 10MHz / QPSK



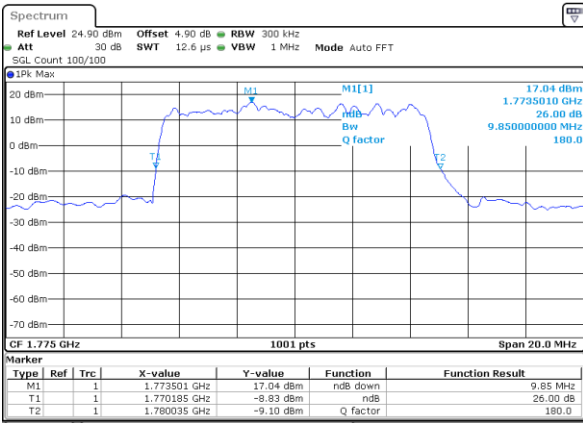
Date: 8 APR 2019 16:33:30

Middle Channel / 10MHz / 16QAM



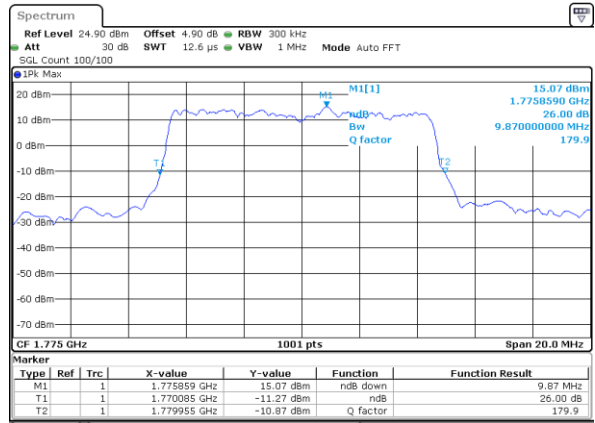
Date: 8 APR 2019 16:33:45

Highest Channel / 10MHz / QPSK



Date: 8 APR 2019 16:34:53

Highest Channel / 10MHz / 16QAM

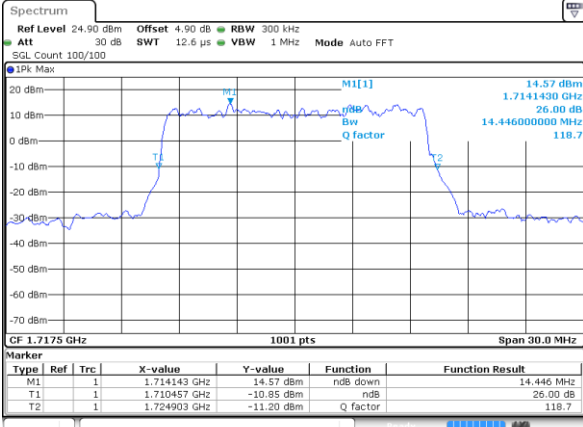


Date: 8 APR 2019 16:35:28



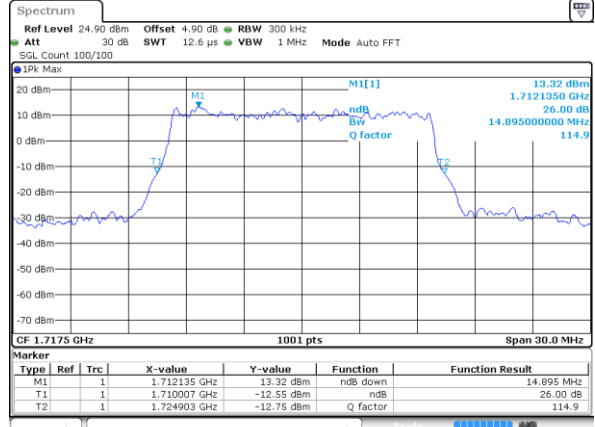
LTE Band 66

Lowest Channel / 15MHz / QPSK



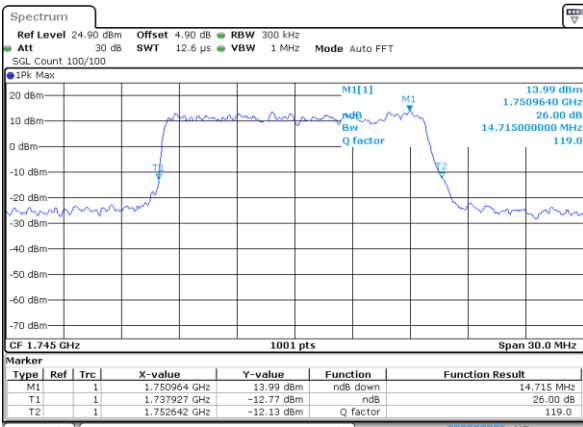
Date: 8 APR 2019 16:41:55

Lowest Channel / 15MHz / 16QAM



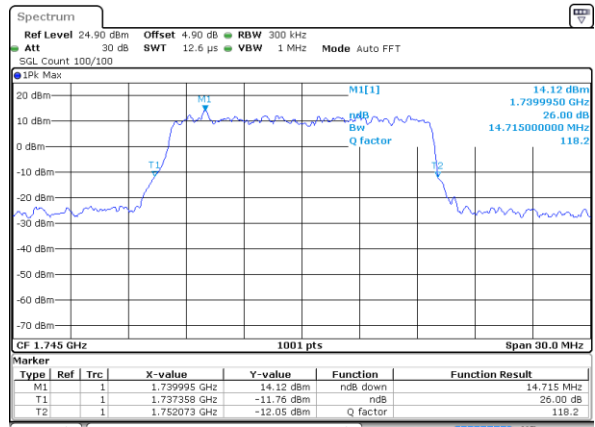
Date: 8 APR 2019 16:42:16

Middle Channel / 15MHz / QPSK



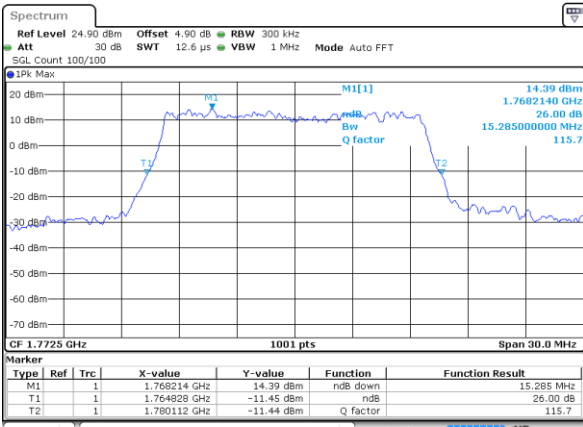
Date: 8 APR 2019 16:49:18

Middle Channel / 15MHz / 16QAM



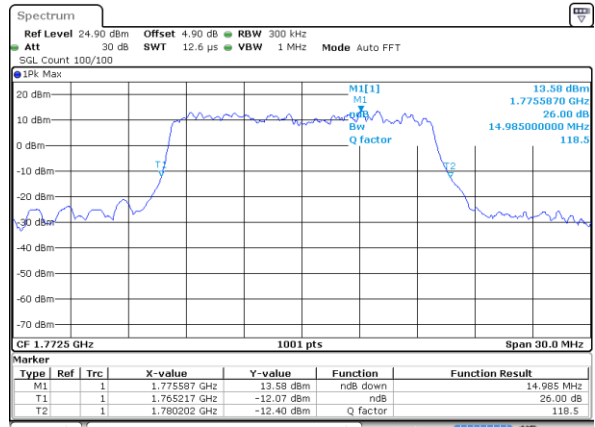
Date: 8 APR 2019 16:49:05

Highest Channel / 15MHz / QPSK



Date: 8 APR 2019 16:49:59

Highest Channel / 15MHz / 16QAM

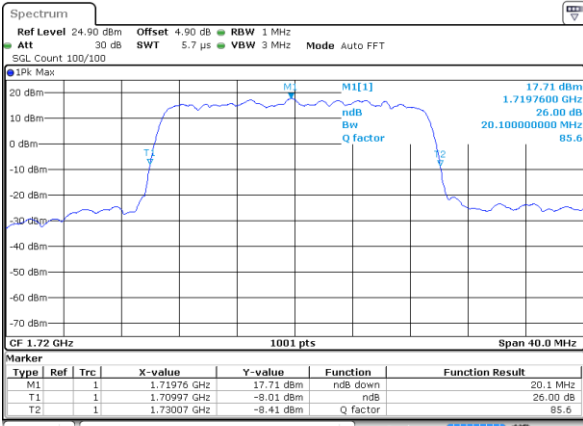


Date: 8 APR 2019 16:50:18



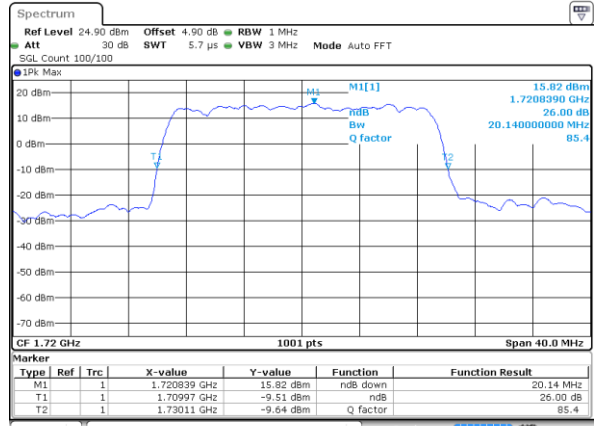
LTE Band 66

Lowest Channel / 20MHz / QPSK



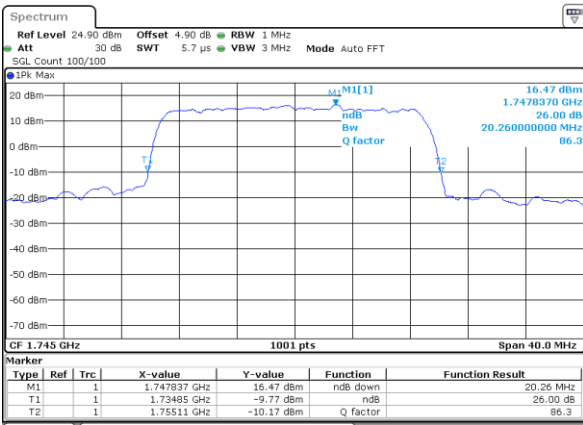
Date: 8 APR 2019 16:58:02

Lowest Channel / 20MHz / 16QAM



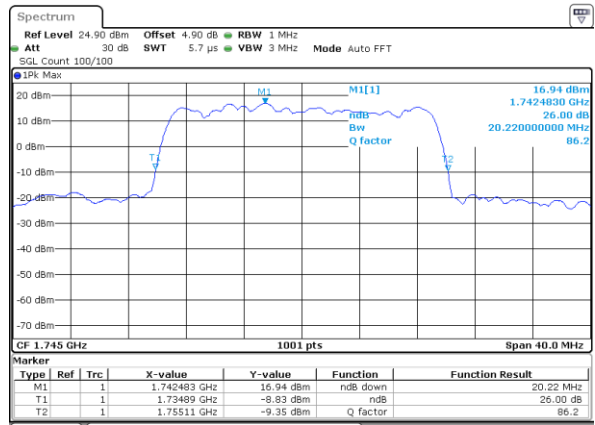
Date: 8 APR 2019 16:58:39

Middle Channel / 20MHz / QPSK



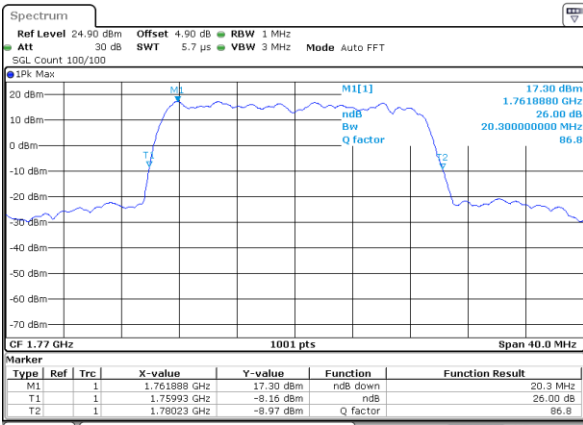
Date: 8 APR 2019 17:12:49

Middle Channel / 20MHz / 16QAM



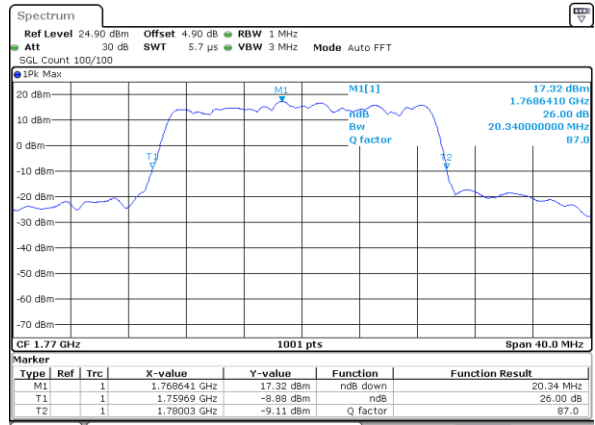
Date: 8 APR 2019 17:07:43

Highest Channel / 20MHz / QPSK



Date: 8 APR 2019 17:13:53

Highest Channel / 20MHz / 16QAM

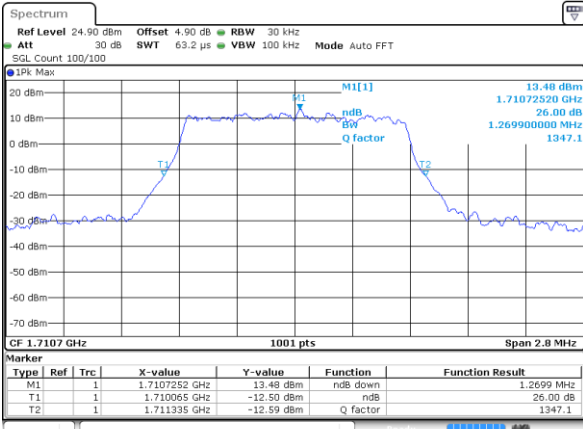


Date: 8 APR 2019 17:14:31



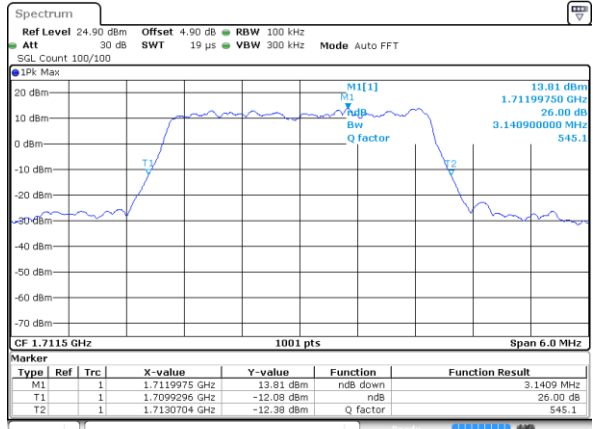
LTE Band 66

Lowest Channel / 1.4MHz / 64QAM



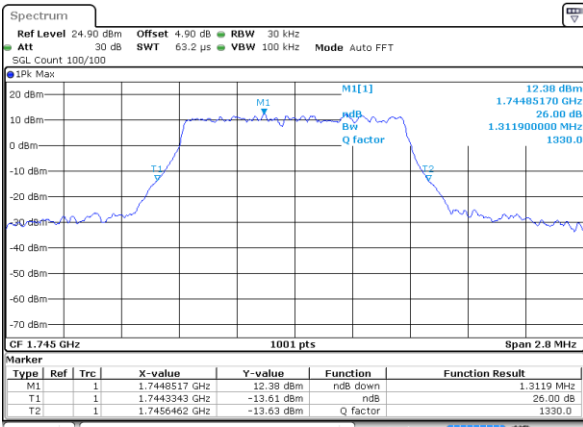
Date: 8 APR 2019 15:03:19

Lowest Channel / 3MHz / 64QAM



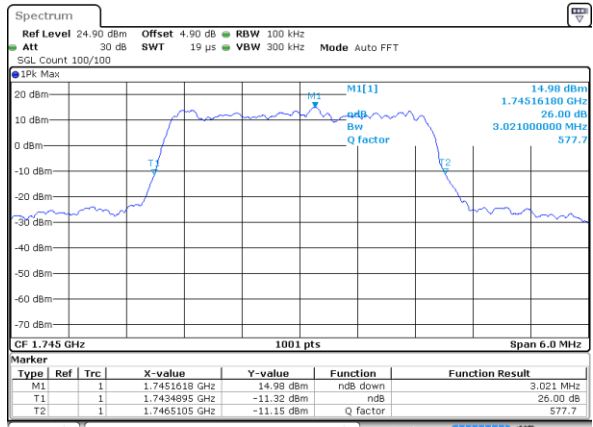
Date: 8 APR 2019 15:36:43

Middle Channel / 20MHz / 64QAM



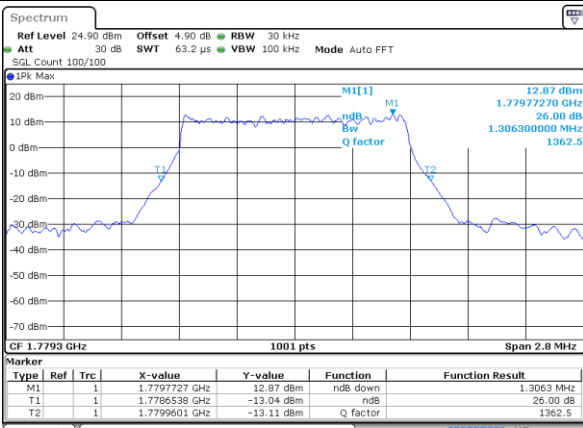
Date: 8 APR 2019 15:16:49

Middle Channel / 3MHz / 64QAM



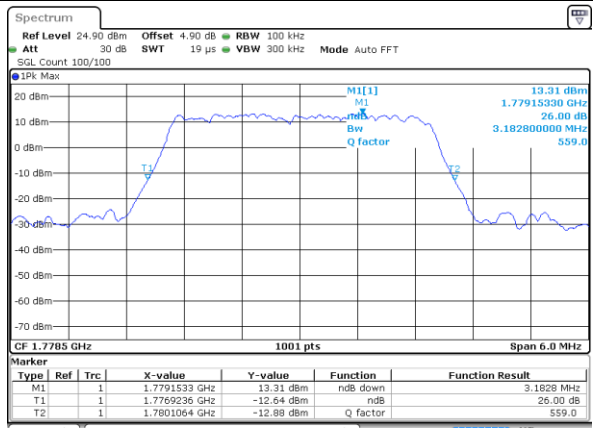
Date: 8 APR 2019 15:47:47

Highest Channel / 20MHz / 64QAM



Date: 8 APR 2019 15:18:08

Highest Channel / 3MHz / 64QAM

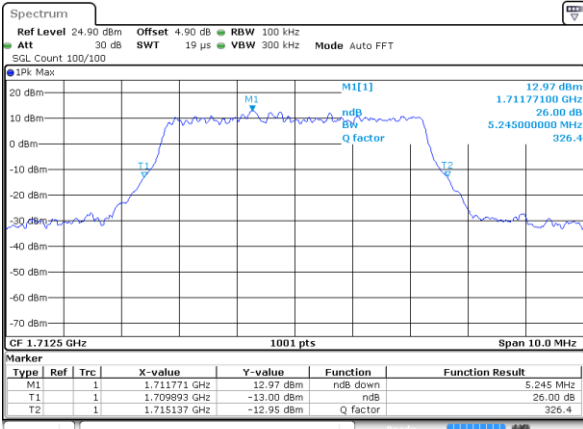


Date: 8 APR 2019 15:50:21



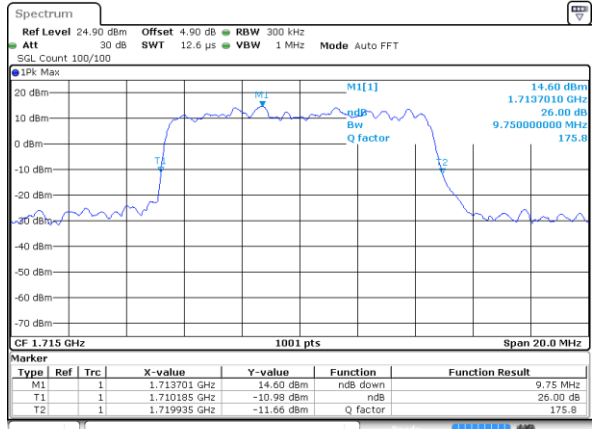
LTE Band 66

Lowest Channel / 5MHz / 64QAM



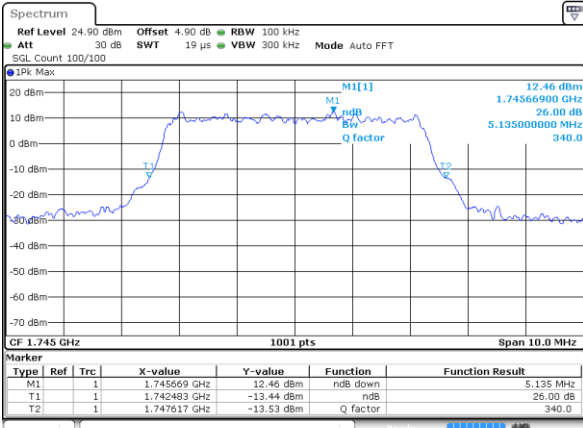
Date: 8 APR 2019 15:57:22

Lowest Channel / 10MHz / 64QAM



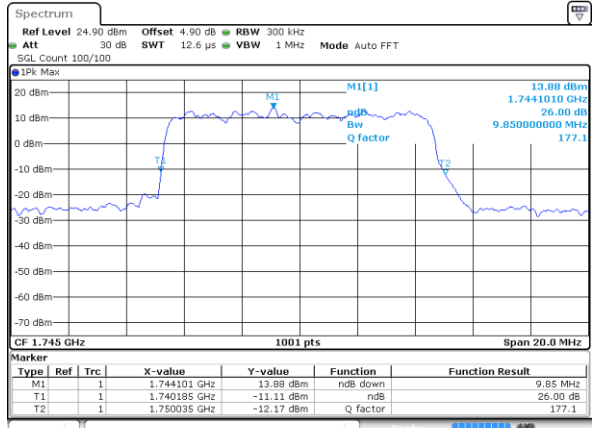
Date: 8 APR 2019 16:15:59

Middle Channel / 5MHz / 64QAM



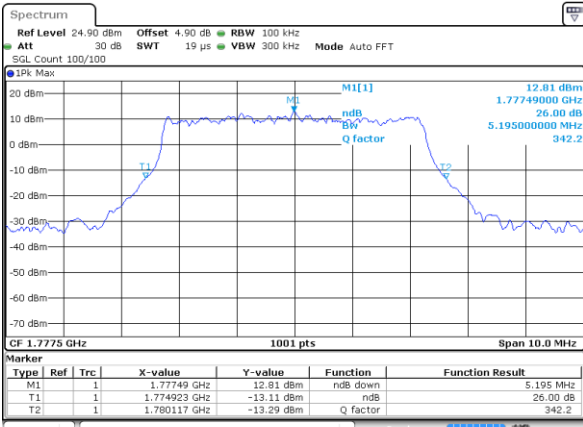
Date: 8 APR 2019 16:04:41

Middle Channel / 10MHz / 64QAM



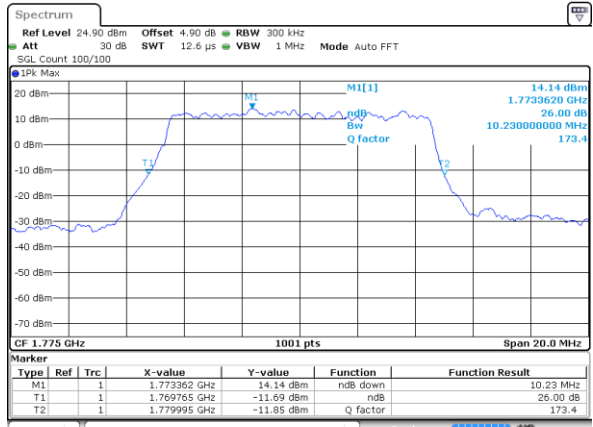
Date: 8 APR 2019 16:34:02

Highest Channel / 5MHz / 64QAM



Date: 8 APR 2019 16:08:11

Highest Channel / 10MHz / 64QAM

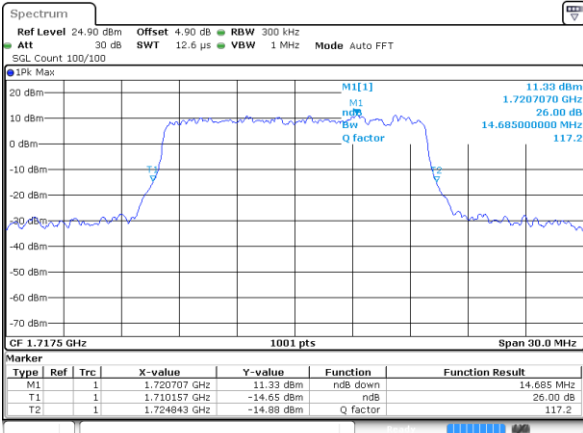


Date: 8 APR 2019 16:35:59



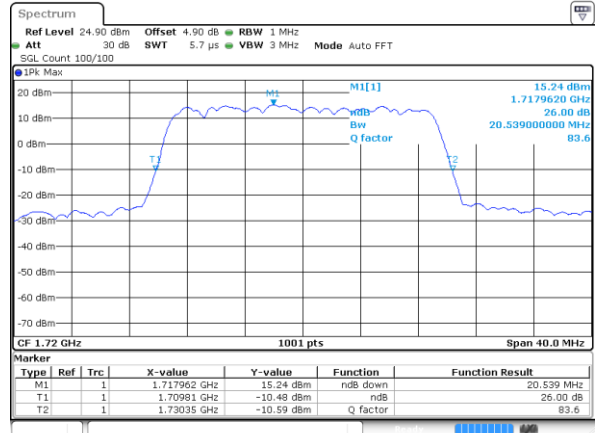
LTE Band 66

Lowest Channel / 15MHz / 64QAM



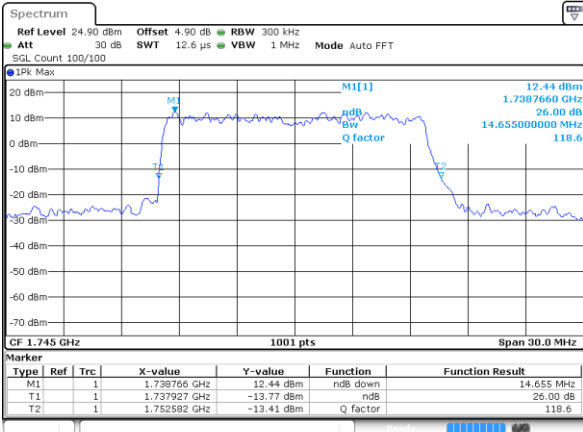
Date: 8 APR 2019 16:42:38

Lowest Channel / 20MHz / 64QAM



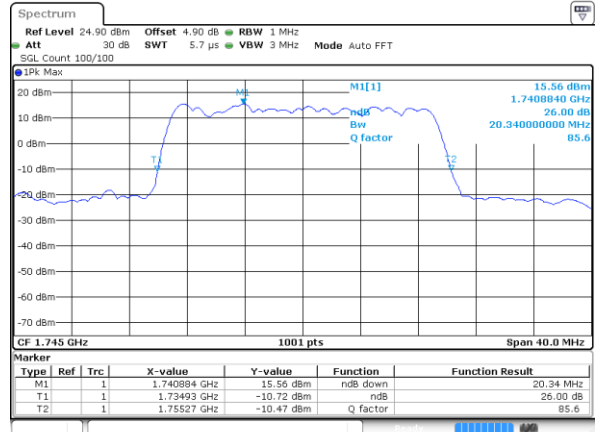
Date: 8 APR 2019 16:59:13

Middle Channel / 15MHz / 64QAM



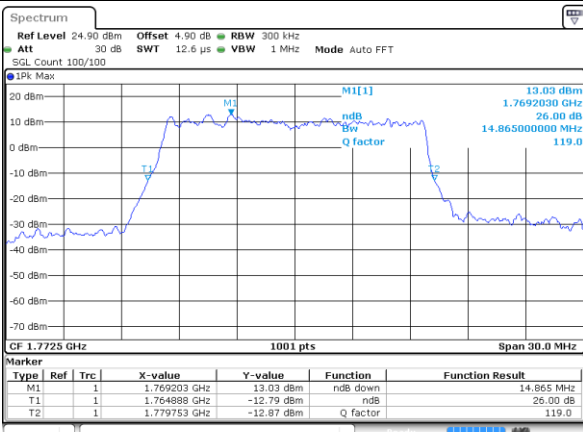
Date: 8 APR 2019 16:48:52

Middle Channel / 20MHz / 64QAM



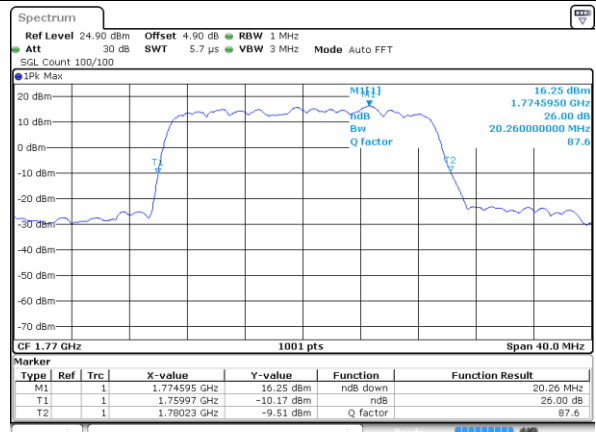
Date: 8 APR 2019 17:07:16

Highest Channel / 15MHz / 64QAM



Date: 8 APR 2019 16:50:34

Highest Channel / 20MHz / 64QAM



Date: 8 APR 2019 17:15:14



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	1.10	1.09	2.73	2.72	4.52	4.50	9.17	9.07	13.61	13.46	18.26	18.50	
Middle CH	1.10	1.10	2.75	2.72	4.51	4.55	9.05	9.09	13.49	13.52	18.34	18.42	
Highest CH	1.09	1.10	2.73	2.72	4.55	4.49	9.11	9.05	13.52	13.52	18.46	18.22	

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		2.76		4.51		9.03		13.46		18.42		
Middle CH	1.09		2.73		4.55		9.07		13.43		18.46		
Highest CH	1.10		2.73		4.52		9.05		13.49		18.38		

Mode		LTE Band 5 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz		
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	
Lowest CH	1.09	1.10	2.72	2.76	4.51	4.52	9.03	9.07					
Middle CH	1.10	1.10	2.73	2.75	4.52	4.48	9.03	9.09					
Highest CH	1.09	1.10	2.73	2.73	4.50	4.53	9.01	9.03					

Mode		LTE Band 5 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz						
Mod.	64QAM		64QAM		64QAM		64QAM						
Lowest CH	1.10		2.72		4.49		9.01						
Middle CH	1.09		2.72		4.51		9.05						
Highest CH	1.09		2.72		4.53		9.05						

Mode		LTE Band 7 : 99%OBW(MHz)											
BW	5MHz		10MHz		15MHz		20MHz		5MHz	10MHz	15MHz	20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM	64QAM	64QAM	
Lowest CH	4.58	4.53	9.01	9.01	13.61	13.49	18.46	18.42	4.52	9.03	13.52	18.30	
Middle CH	4.48	4.53	9.05	8.99	13.43	13.43	18.26	18.42	4.52	9.01	13.49	18.26	
Highest CH	4.49	4.52	9.05	8.97	13.43	13.46	18.46	18.54	4.50	9.09	13.46	18.34	



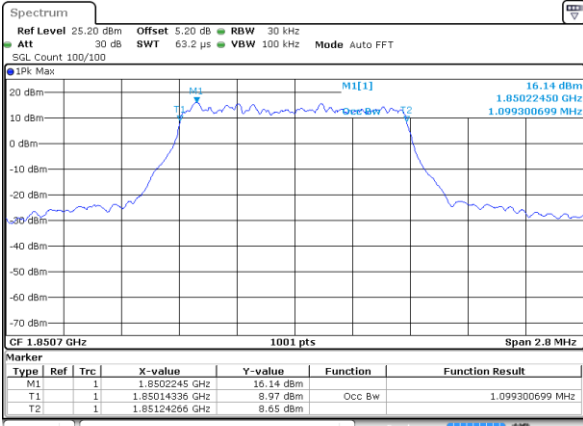
Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.08	1.11	2.76	2.72	4.54	4.50	9.07	9.03				
Middle CH	1.11	1.12	2.75	2.72	4.51	4.50	9.05	9.07				
Highest CH	1.10	1.11	2.72	2.73	4.54	4.50	9.03	9.07				
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.09		2.73		4.48		9.01					
Middle CH	1.09		2.75		4.51		8.99					
Highest CH	1.09		2.74		4.53		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	1.1	2.71	2.72	4.54	4.51	9.09	8.99	13.49	13.55	18.38	18.38
Middle CH	1.1	1.09	2.73	2.73	4.48	4.51	9.03	9.09	13.49	13.49	18.42	18.5
Highest CH	1.09	1.1	2.71	2.74	4.5	4.51	9.07	9.09	13.55	13.43	18.42	18.42
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		4.51		9.01		13.49		18.3	
Middle CH	1.09		2.72		4.5		9.05		13.55		18.42	
Highest CH	1.1		2.73		4.5		9.03		13.46		18.18	



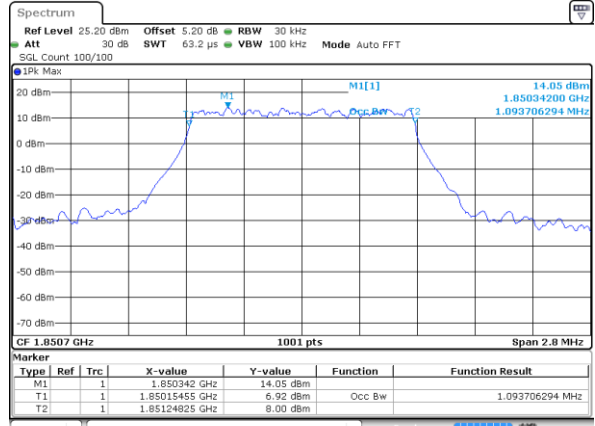
LTE Band 2

Lowest Channel / 1.4MHz / QPSK



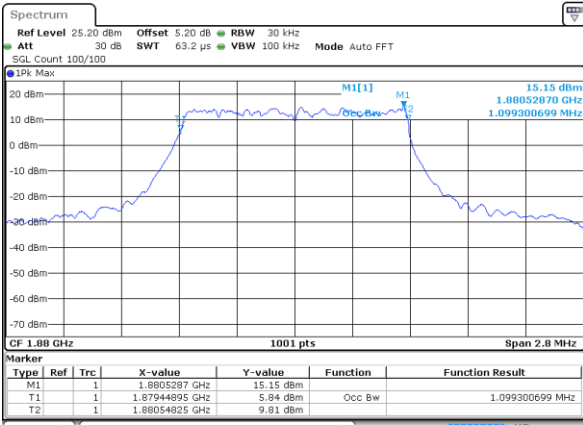
Date: 5 APR 2019 10:38:54

Lowest Channel / 1.4MHz / 16QAM



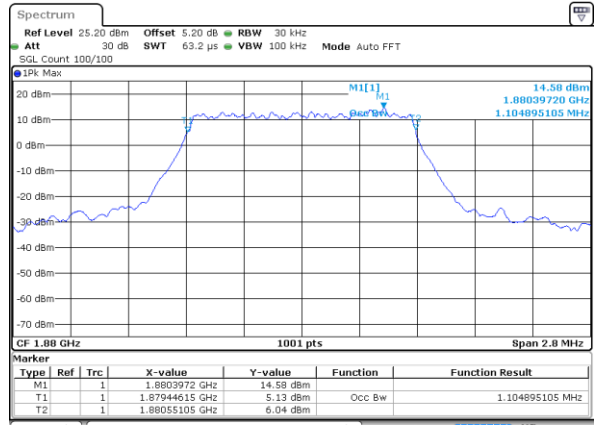
Date: 5 APR 2019 10:39:04

Middle Channel / 1.4MHz / QPSK



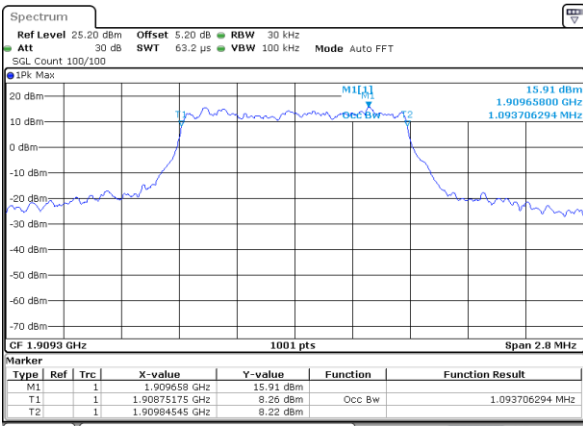
Date: 5 APR 2019 10:45:54

Middle Channel / 1.4MHz / 16QAM



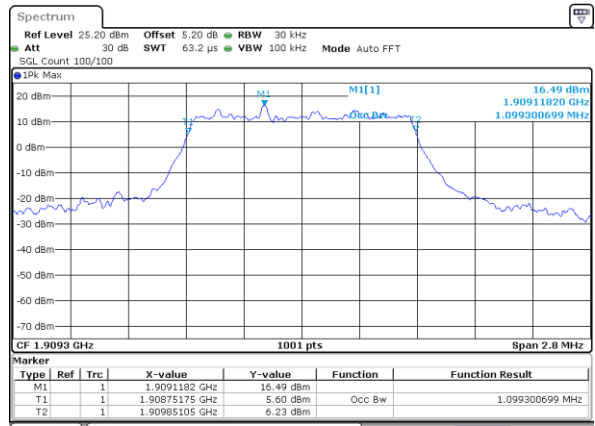
Date: 5 APR 2019 10:46:04

Highest Channel / 1.4MHz / QPSK



Date: 5 APR 2019 10:48:24

Highest Channel / 1.4MHz / 16QAM

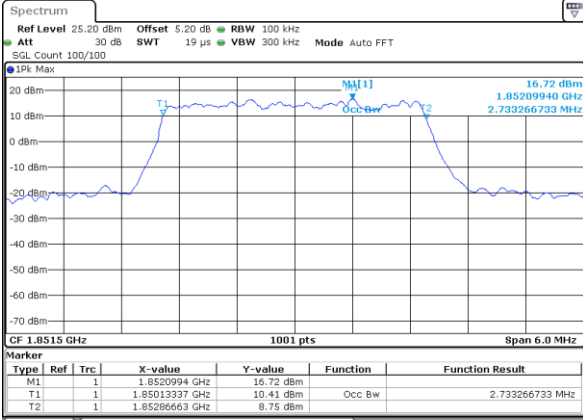


Date: 5 APR 2019 10:48:34



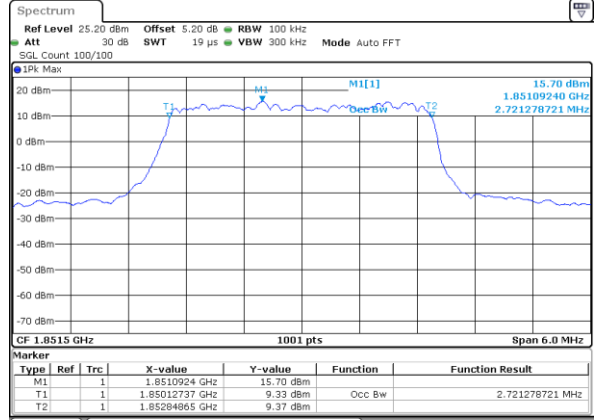
LTE Band 2

Lowest Channel / 3MHz / QPSK



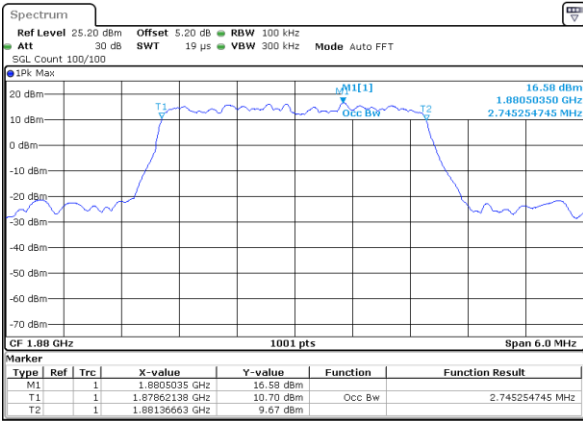
Date: 5 APR 2019 10:56:10

Lowest Channel / 3MHz / 16QAM



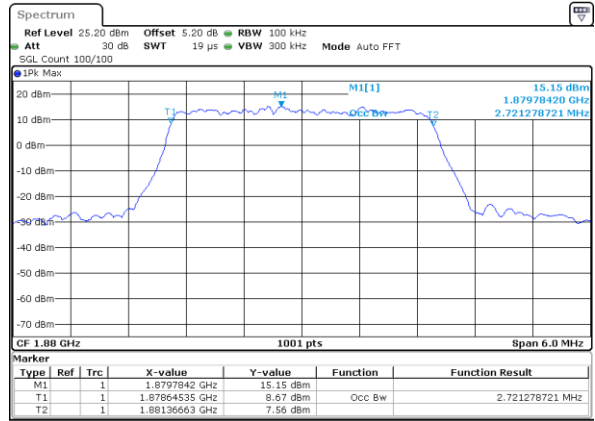
Date: 5 APR 2019 10:56:20

Middle Channel / 3MHz / QPSK



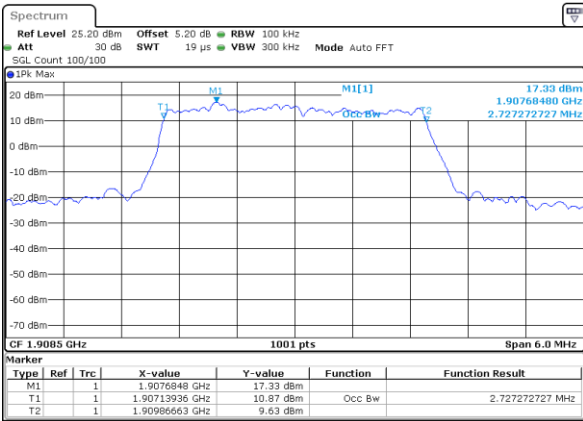
Date: 5 APR 2019 11:03:09

Middle Channel / 3MHz / 16QAM



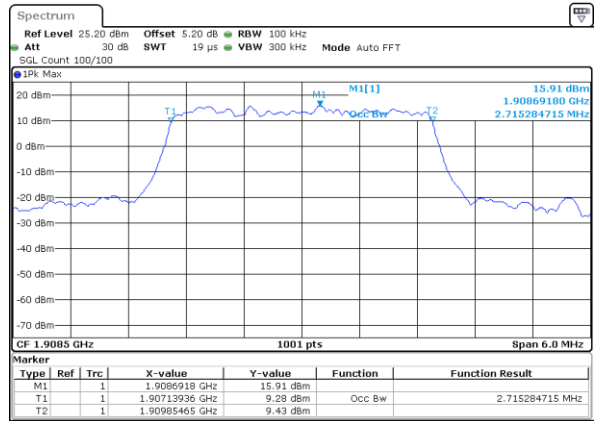
Date: 5 APR 2019 11:03:19

Highest Channel / 3MHz / QPSK



Date: 5 APR 2019 11:05:39

Highest Channel / 3MHz / 16QAM

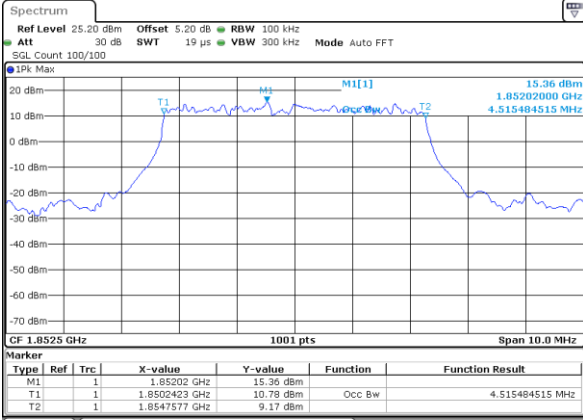


Date: 5 APR 2019 11:05:50



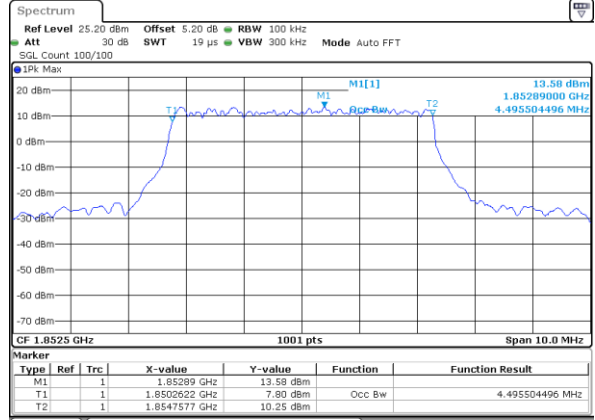
LTE Band 2

Lowest Channel / 5MHz / QPSK



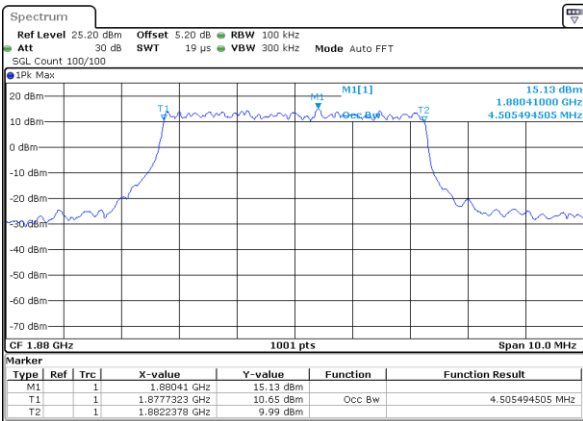
Date: 5 APR 2019 11:19:24

Lowest Channel / 5MHz / 16QAM



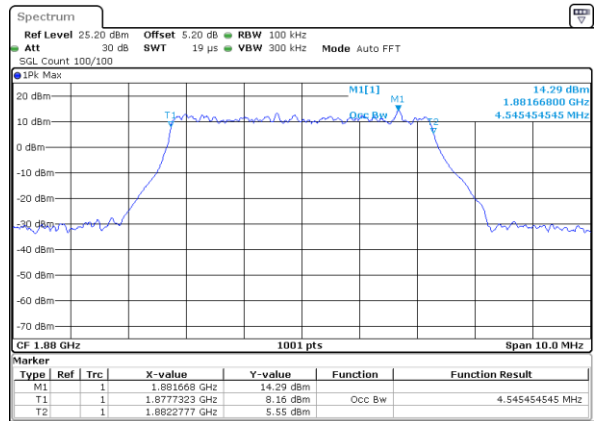
Date: 5 APR 2019 11:19:34

Middle Channel / 5MHz / QPSK



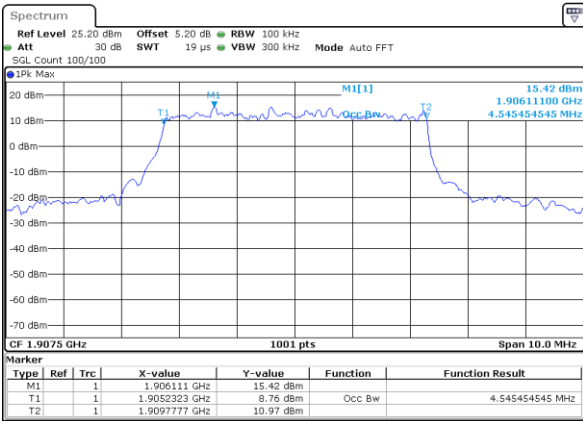
Date: 5 APR 2019 11:26:23

Middle Channel / 5MHz / 16QAM



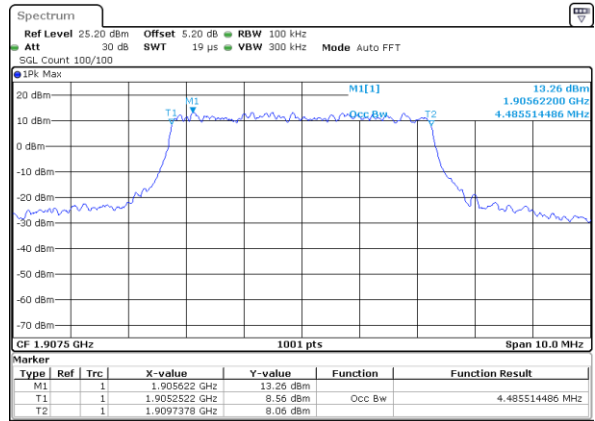
Date: 5 APR 2019 11:26:34

Highest Channel / 5MHz / QPSK



Date: 5 APR 2019 11:28:53

Highest Channel / 5MHz / 16QAM

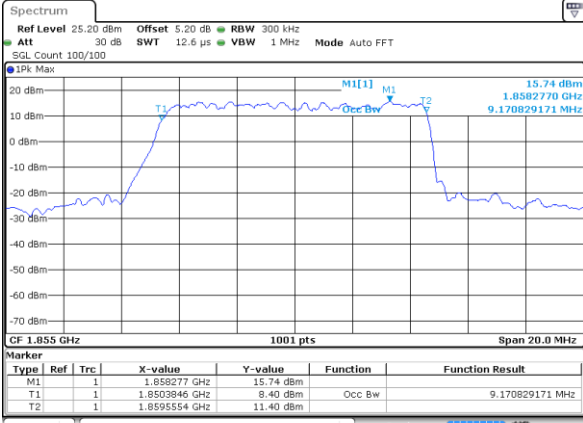


Date: 5 APR 2019 11:29:03



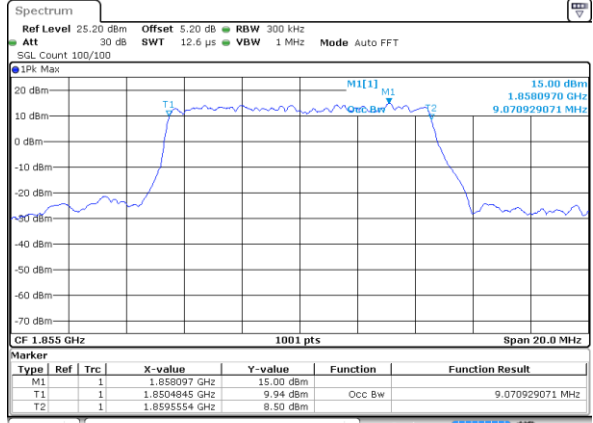
LTE Band 2

Lowest Channel / 10MHz / QPSK



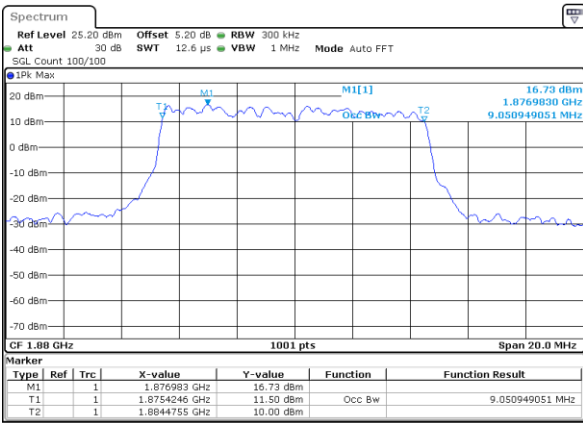
Date: 5 APR 2019 12:03:44

Lowest Channel / 10MHz / 16QAM



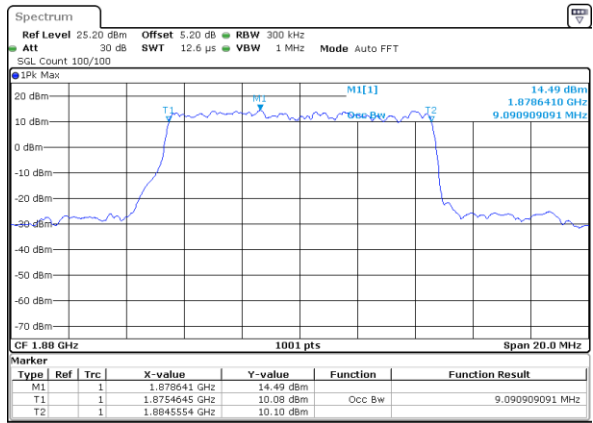
Date: 5 APR 2019 12:03:54

Middle Channel / 10MHz / QPSK



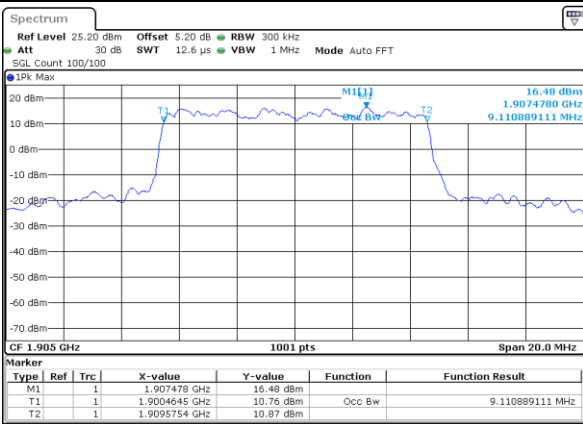
Date: 5 APR 2019 12:10:43

Middle Channel / 10MHz / 16QAM



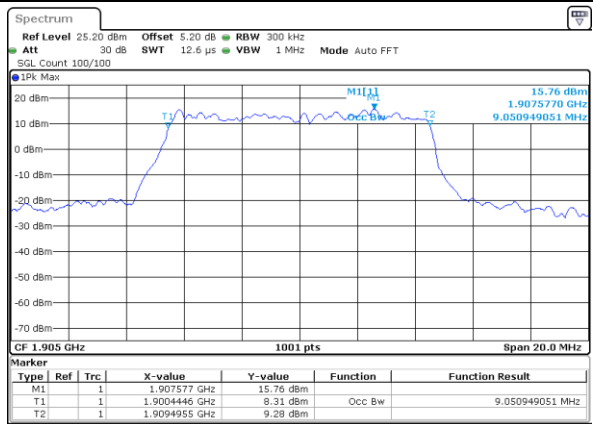
Date: 5 APR 2019 12:10:53

Highest Channel / 10MHz / QPSK



Date: 5 APR 2019 12:13:13

Highest Channel / 10MHz / 16QAM

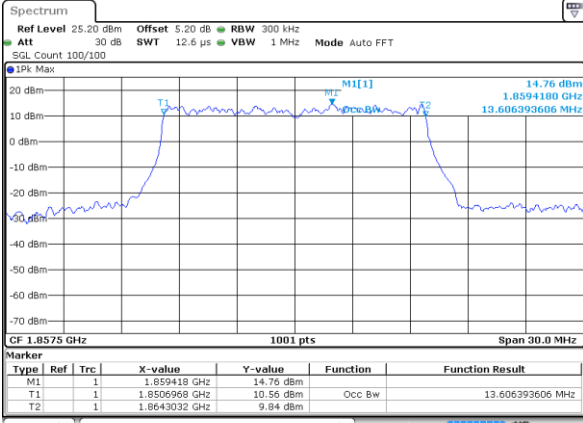


Date: 5 APR 2019 12:13:23



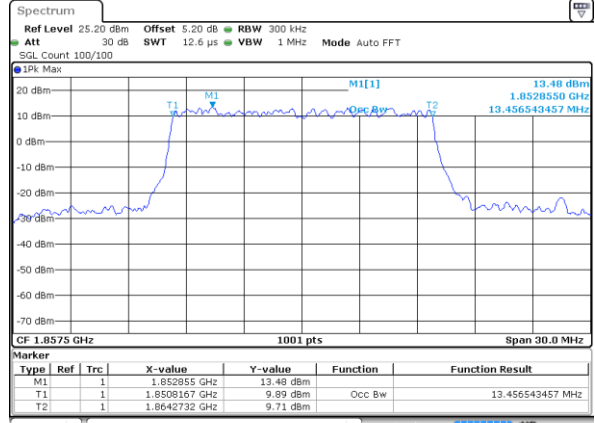
LTE Band 2

Lowest Channel / 15MHz / QPSK



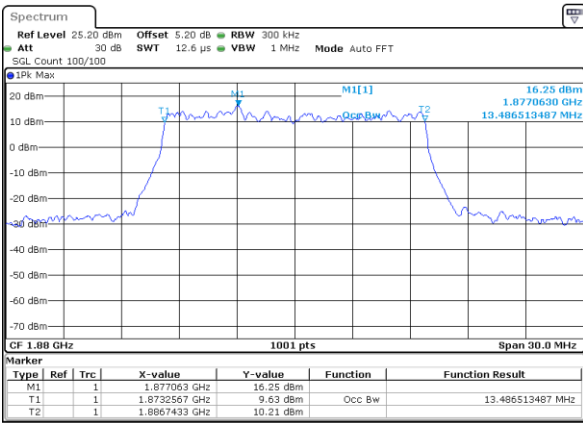
Date: 5 APR 2019 12:39:24

Lowest Channel / 15MHz / 16QAM



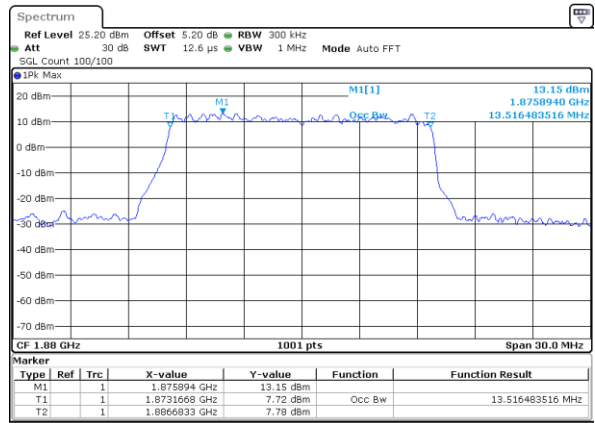
Date: 5 APR 2019 12:39:34

Middle Channel / 15MHz / QPSK



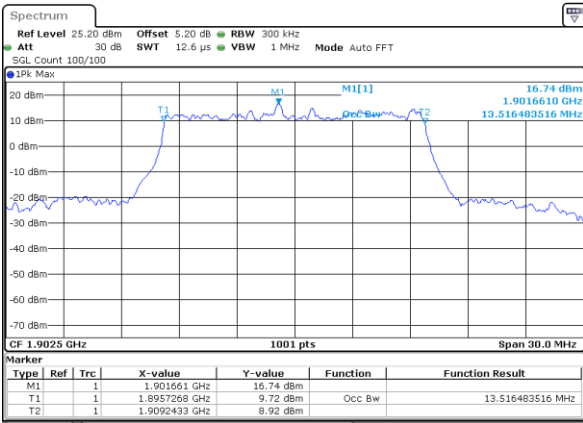
Date: 5 APR 2019 12:46:24

Middle Channel / 15MHz / 16QAM



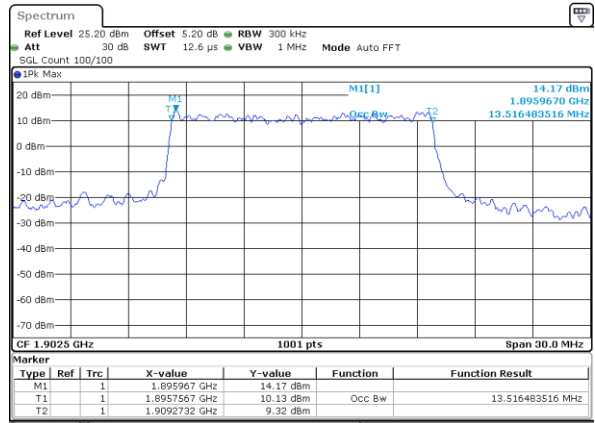
Date: 5 APR 2019 12:46:34

Highest Channel / 15MHz / QPSK



Date: 5 APR 2019 12:48:53

Highest Channel / 15MHz / 16QAM

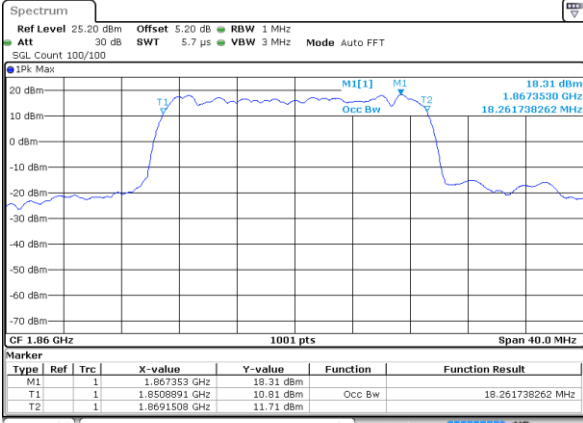


Date: 5 APR 2019 12:48:03



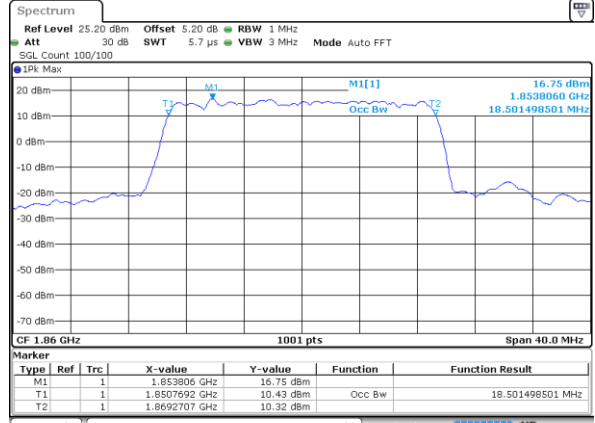
LTE Band 2

Lowest Channel / 20MHz / QPSK



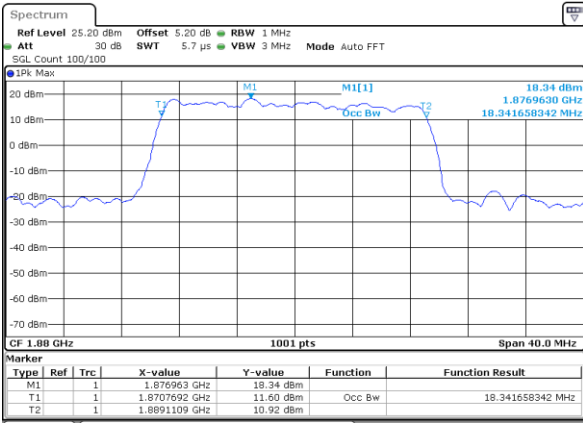
Date: 5 APR 2019 12:58:02

Lowest Channel / 20MHz / 16QAM



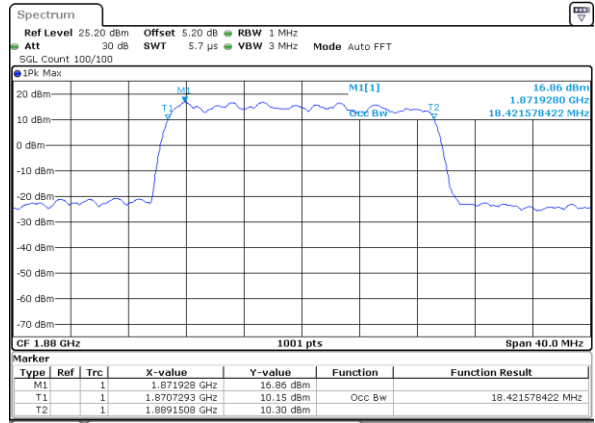
Date: 5 APR 2019 12:58:12

Middle Channel / 20MHz / QPSK



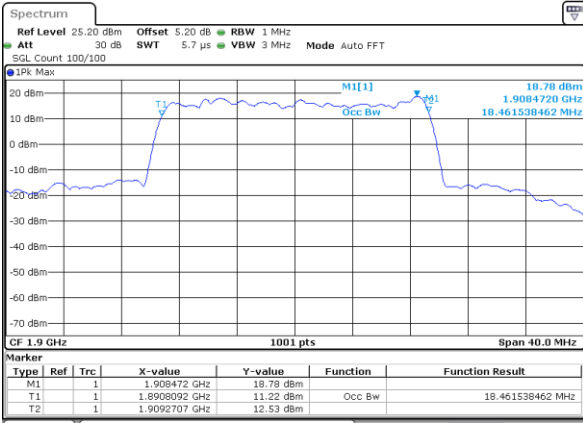
Date: 5 APR 2019 13:05:01

Middle Channel / 20MHz / 16QAM



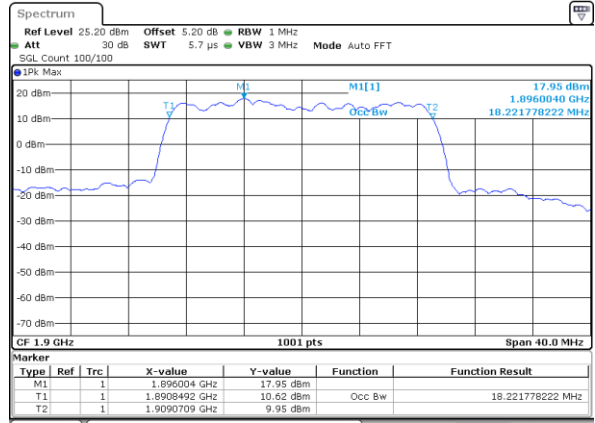
Date: 5 APR 2019 13:05:11

Highest Channel / 20MHz / QPSK



Date: 5 APR 2019 13:07:31

Highest Channel / 20MHz / 16QAM

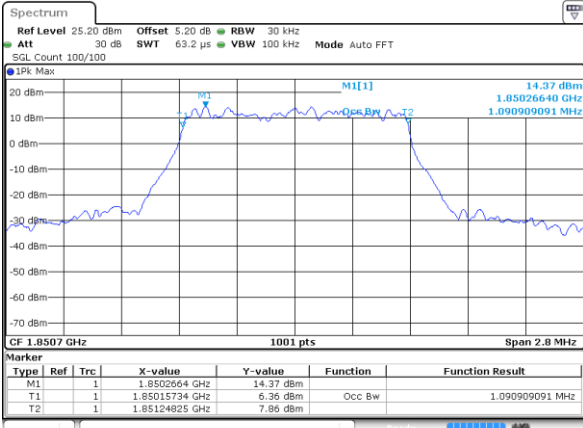


Date: 5 APR 2019 13:07:41



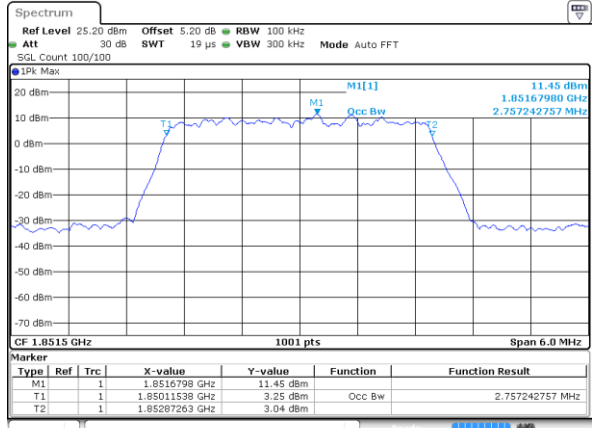
LTE Band 2

Lowest Channel / 1.4MHz / 64QAM



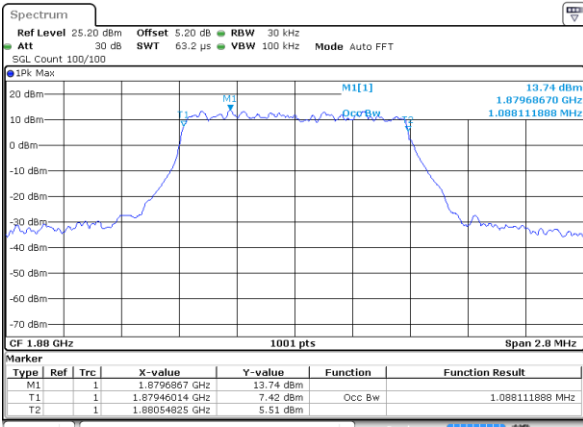
Date: 5 APR 2019 13:28:04

Lowest Channel / 3MHz / 64QAM



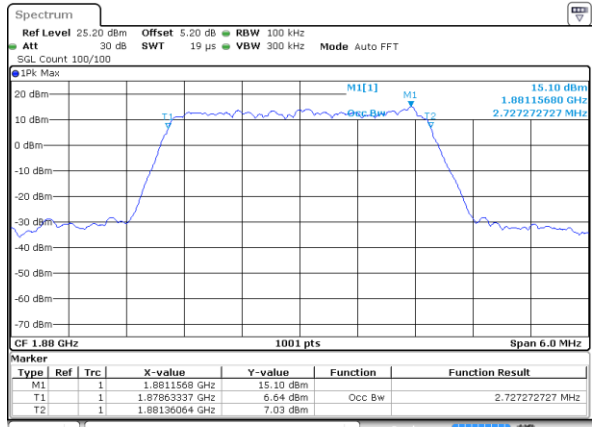
Date: 5 APR 2019 14:12:05

Middle Channel / 1.4MHz / 64QAM



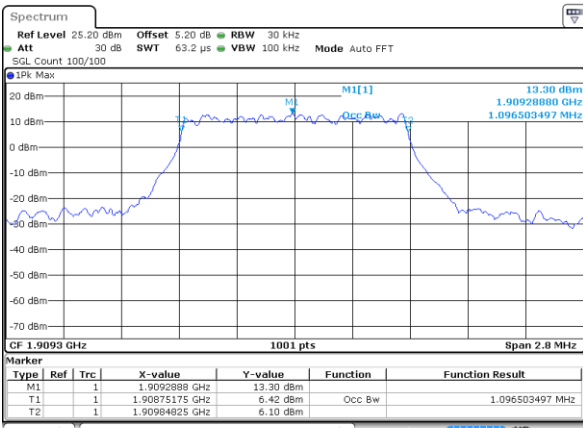
Date: 5 APR 2019 13:28:14

Middle Channel / 3MHz / 64QAM



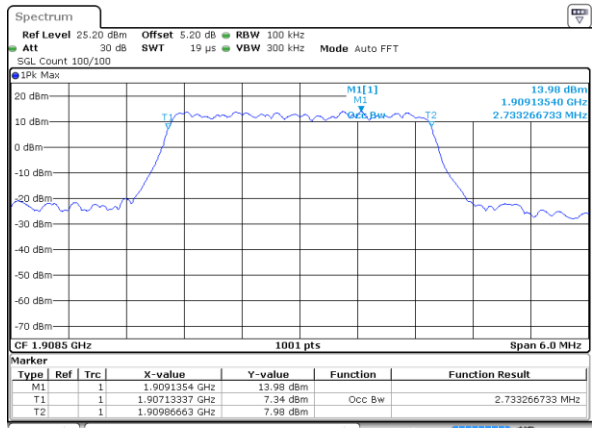
Date: 5 APR 2019 13:43:11

Highest Channel / 1.4MHz / 64QAM



Date: 5 APR 2019 13:28:24

Highest Channel / 3MHz / 64QAM



Date: 5 APR 2019 13:43:21