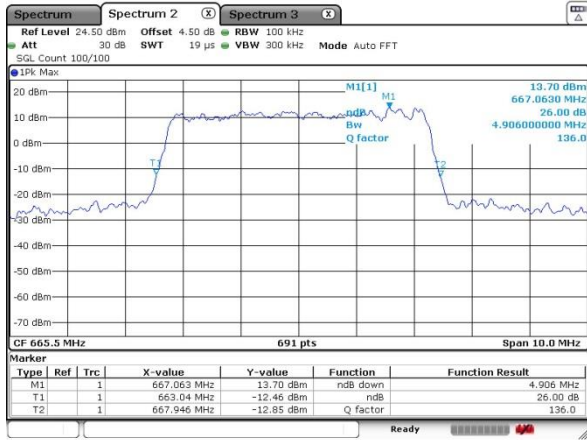




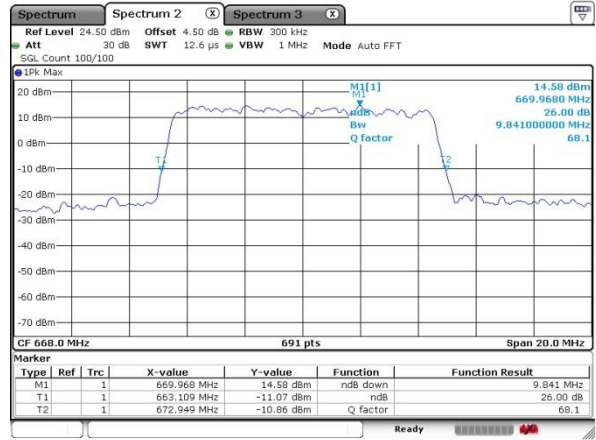
LTE Band 71

Lowest Channel / 5MHz / 64QAM



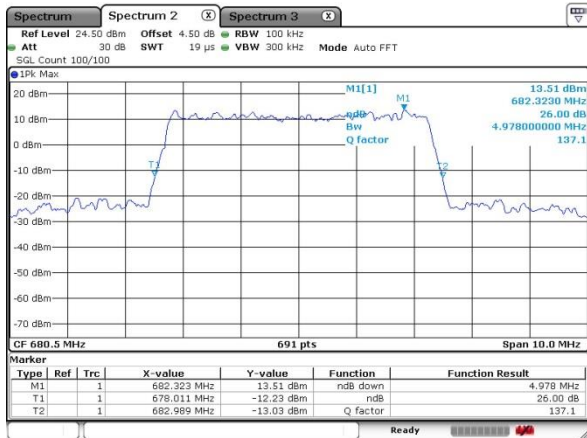
Date: 15.MAR.2019 21:18:25

Lowest Channel / 10MHz / 64QAM



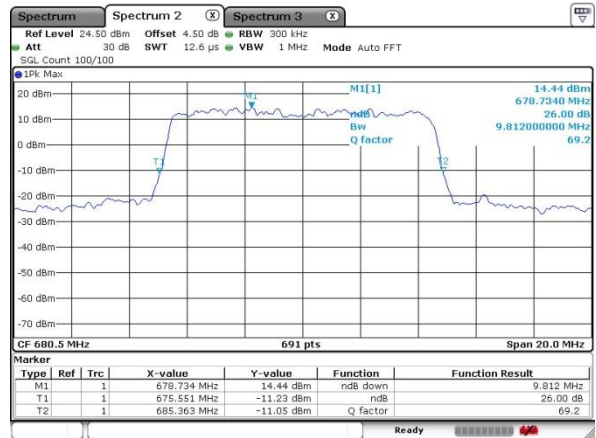
Date: 15.MAR.2019 21:28:39

Middle Channel / 5MHz / 64QAM



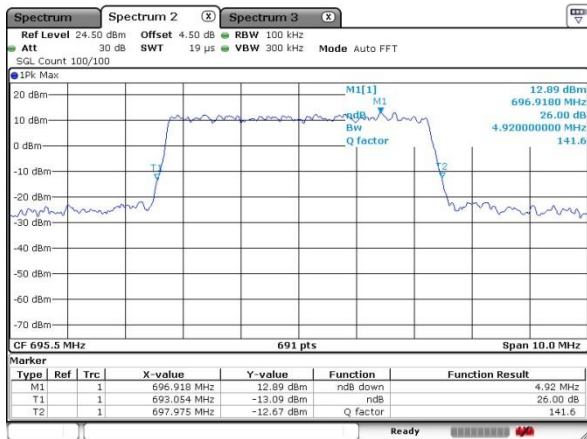
Date: 15.MAR.2019 21:21:02

Middle Channel / 10MHz / 64QAM



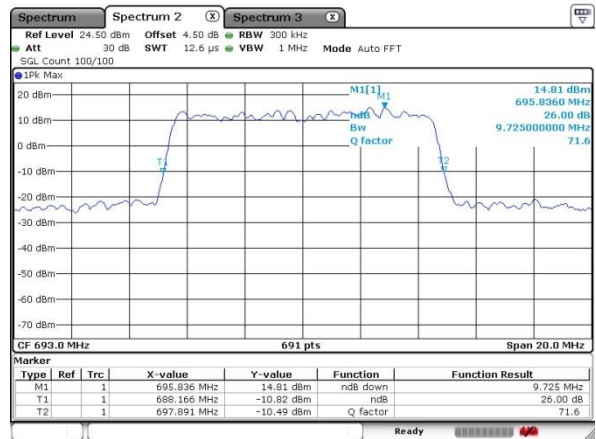
Date: 15.MAR.2019 21:31:48

Highest Channel / 5MHz / 64QAM



Date: 15.MAR.2019 21:24:22

Highest Channel / 10MHz / 64QAM

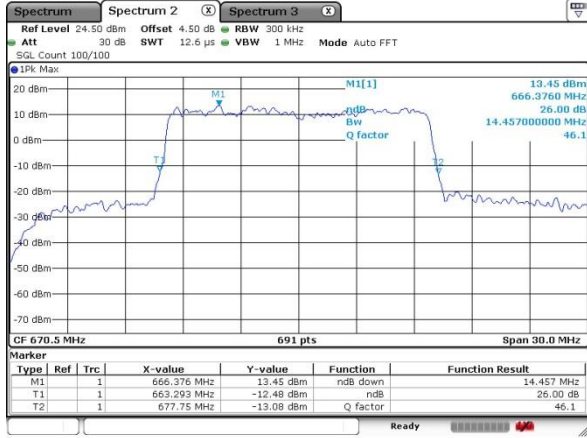


Date: 15.MAR.2019 21:34:44



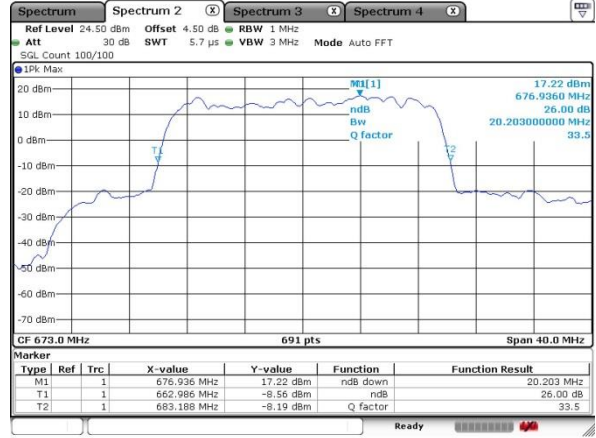
LTE Band 71

Lowest Channel / 15MHz / 64QAM



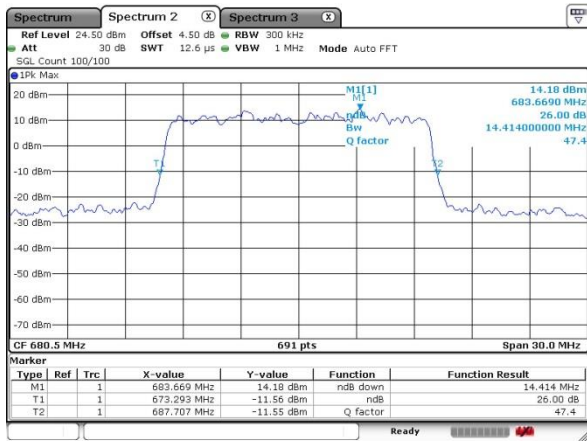
Date: 15.MAR.2019 21:38:28

Lowest Channel / 20MHz / 64QAM



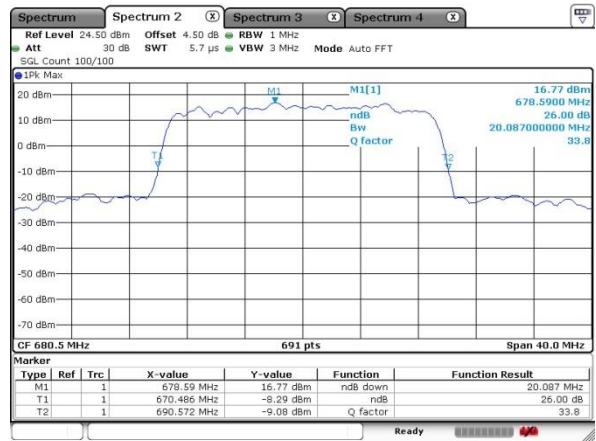
Date: 15.MAR.2019 21:50:07

Middle Channel / 15MHz / 64QAM



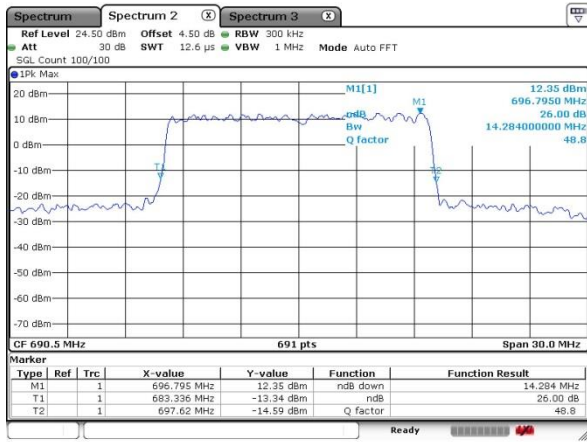
Date: 15.MAR.2019 21:41:20

Middle Channel / 20MHz / 64QAM



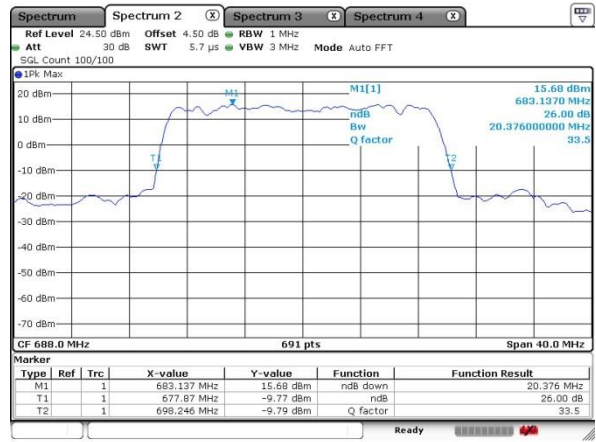
Date: 15.MAR.2019 21:54:33

Highest Channel / 15MHz / 64QAM



Date: 15.MAR.2019 21:44:08

Highest Channel / 20MHz / 64QAM



Date: 15.MAR.2019 22:00:08



### Occupied Bandwidth

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					4.51	4.52	9.01	8.97	13.43	13.37	18.30	18.30
Middle CH					4.49	4.50	8.97	9.01	13.49	13.46	18.38	18.30
Highest CH					4.48	4.49	9.09	9.03	13.47	13.40	18.42	18.34
Mode	LTE Band 7 : 99%OBW(MHz)											
BW	5MHz		10MHz		15MHz		20MHz					
Mod.	64QAM		64QAM		64QAM		64QAM					
Lowest CH	4.48		9.03		13.49		18.18					
Middle CH	4.49		8.99		13.43		18.18					
Highest CH	4.50		8.99		13.37		18.38					

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	1.10	1.04	2.71	2.72	4.50	4.48	9.01	9.03				
Middle CH	1.09	1.09	2.70	2.70	4.48	4.48	9.07	9.05				
Highest CH	1.09	1.09	2.71	2.75	4.52	4.49	9.09	8.99				
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.09		2.70		4.51		8.95					
Middle CH	1.09		2.72		4.49		9.05					
Highest CH	1.09		2.72		4.48		8.99					

Mode	LTE Band 13 : 99%OBW(MHz)											
BW	5MHz		10MHz		5MHz	10MHz						
Mod.	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM						
Lowest CH	4.49	4.50			4.50							
Middle CH	4.50	4.50	9.01	8.99	4.50	8.99						
Highest CH	4.49	4.49			4.47							



Mode		LTE Band 25 : 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	1.08	2.72	2.72	4.50	4.50	9.09	9.01	13.46	13.46	18.34	18.34
Middle CH	1.09	1.09	2.72	2.73	4.49	4.50	9.01	8.97	13.46	13.40	18.34	18.34
Highest CH	1.09	1.09	2.72	2.74	4.50	4.47	8.99	8.99	13.37	13.37	18.30	18.30
Mode		LTE Band 25 : 99%OBW(MHz)										
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.09		2.73		4.46		9.01		13.37		18.30	
Middle CH	1.10		2.72		4.51		9.05		13.40		18.30	
Highest CH	1.09		2.73		4.49		9.01		13.43		18.38	

Mode		LTE Band 26 : 99%OBW(MHz)										
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		CH26765	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.73	2.72	4.49	4.49	9.01	9.05	13.46	13.43	13.46	13.37
Middle CH	1.09	1.09	2.73	2.73	4.49	4.49	8.99	9.01	13.40	13.49	-	-
Highest CH	1.09	1.09	2.70	2.73	4.49	4.48	9.05	9.05	13.37	13.37	-	-
Mode		LTE Band 26 : 99%OBW(MHz)										
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		CH26765	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.09		2.72		4.51		9.01		13.43		13.43	
Middle CH	1.10		2.72		4.56		9.09		13.40		-	
Highest CH	1.08		2.72		4.48		9.01		13.40		-	

Mode		LTE Band 41 : 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	4.50	4.49	9.05	9.01	13.46	13.40	18.46	18.26	4.48	8.93	13.46	18.38
Middle CH	4.49	4.47	9.03	8.99	13.55	13.46	18.22	18.38	4.48	9.01	13.46	18.30
Highest CH	4.50	4.47	9.07	9.03	13.37	13.40	18.10	18.22	4.52	9.05	13.37	18.30



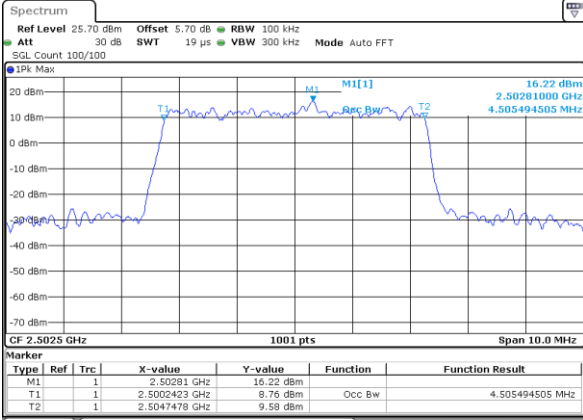
Mode	LTE Band 66 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.72	2.71	4.51	4.48	9.01	9.07	13.43	13.49	18.50	18.42
Middle CH	1.09	1.09	2.73	2.72	4.48	4.48	9.07	9.03	13.43	13.43	18.30	18.46
Highest CH	1.08	1.09	2.72	2.73	4.52	4.50	9.03	8.97	13.37	13.43	18.26	18.38
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		4.51		9.05		13.46		18.46	
Middle CH	1.09		2.72		4.49		9.05		13.43		18.42	
Highest CH	1.09		2.72		4.47		9.03		13.43		18.30	

Mode	LTE Band 71 : 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	4.49	4.46	9.03	9.03	13.37	13.46	18.35	18.41	4.5	9.03	13.50	18.35
Middle CH	4.5	4.49	9.03	9.00	13.37	13.33	18.18	18.41	4.5	8.97	13.46	18.23
Highest CH	4.5	4.52	9.06	9.03	13.50	13.46	18.47	18.52	4.49	9.06	13.42	18.35



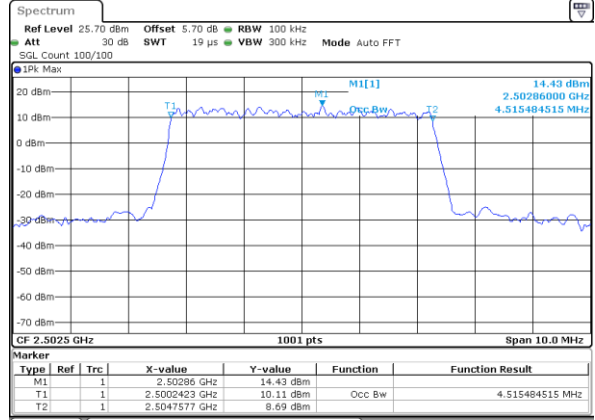
LTE Band 7

Lowest Channel / 5MHz / QPSK



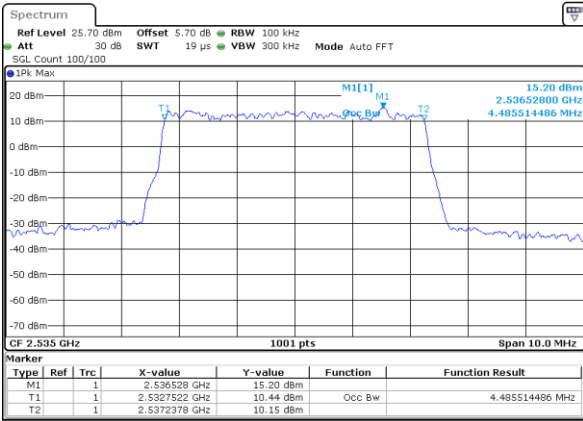
Date: 16 FEB 2019 13:03:04

Lowest Channel / 5MHz / 16QAM



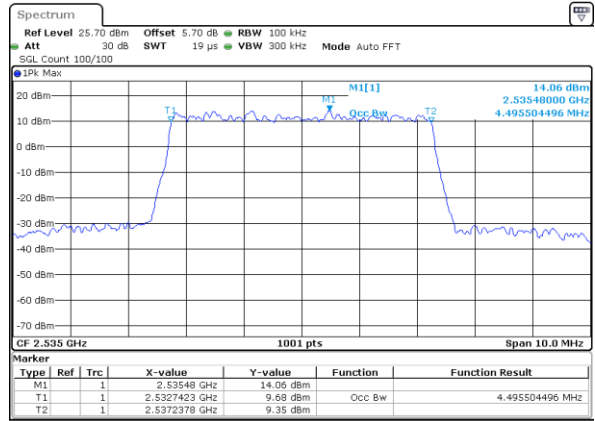
Date: 16 FEB 2019 13:03:26

Middle Channel / 5MHz / QPSK



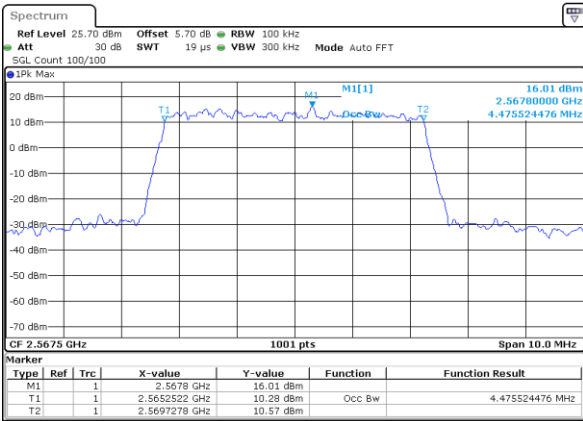
Date: 16 FEB 2019 13:04:09

Middle Channel / 5MHz / 16QAM



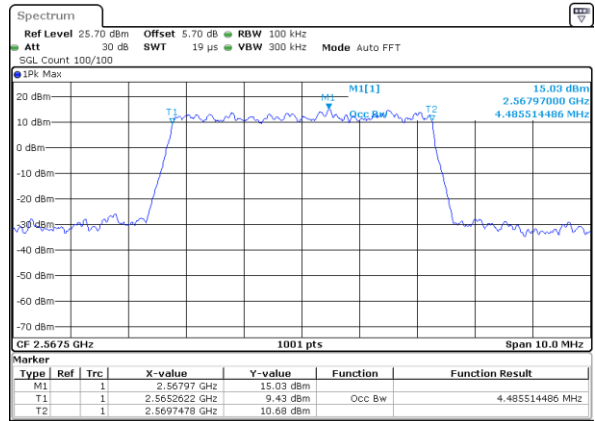
Date: 16 FEB 2019 13:03:48

Highest Channel / 5MHz / QPSK



Date: 16 FEB 2019 13:04:31

Highest Channel / 5MHz / 16QAM

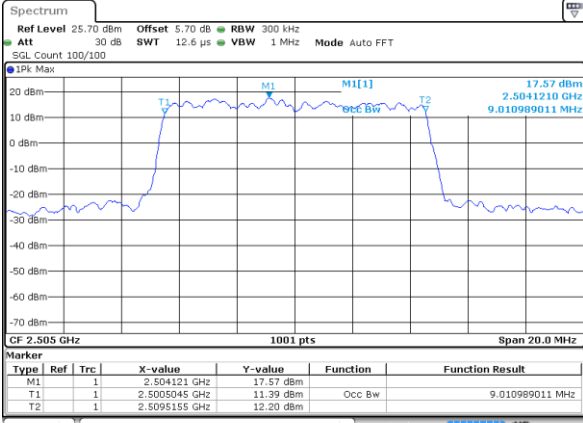


Date: 16 FEB 2019 13:04:52



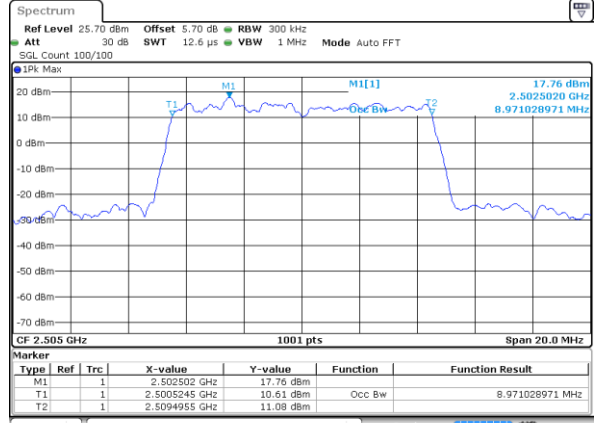
LTE Band 7

Lowest Channel / 10MHz / QPSK



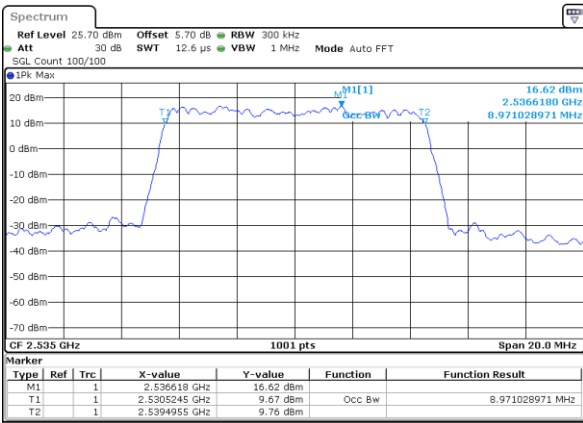
Date: 16 FEB 2019 13:10:41

Lowest Channel / 10MHz / 16QAM



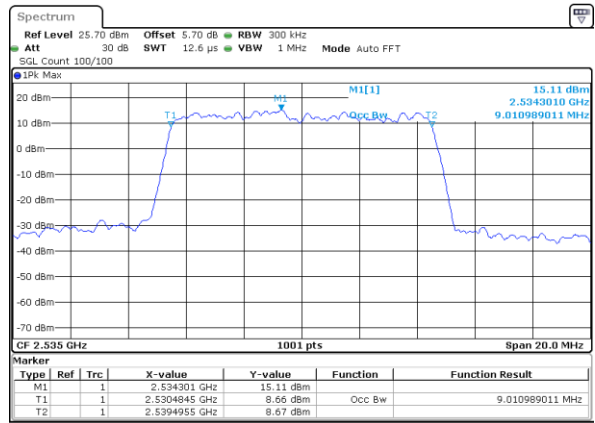
Date: 16 FEB 2019 13:11:03

Middle Channel / 10MHz / QPSK



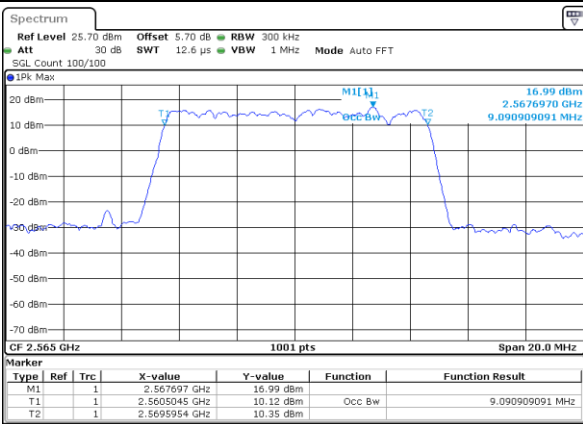
Date: 16 FEB 2019 13:11:45

Middle Channel / 10MHz / 16QAM



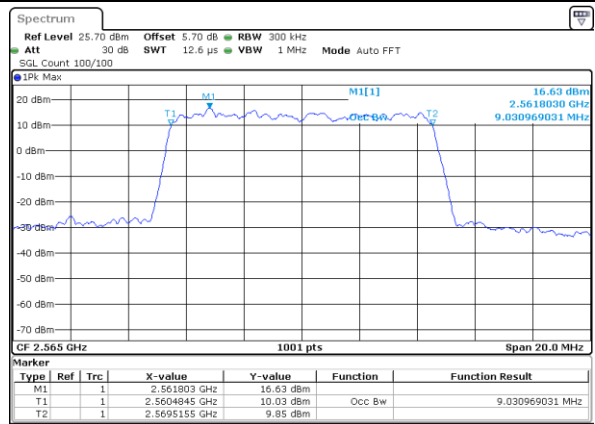
Date: 16 FEB 2019 13:11:24

Highest Channel / 10MHz / QPSK



Date: 16 FEB 2019 13:12:07

Highest Channel / 10MHz / 16QAM

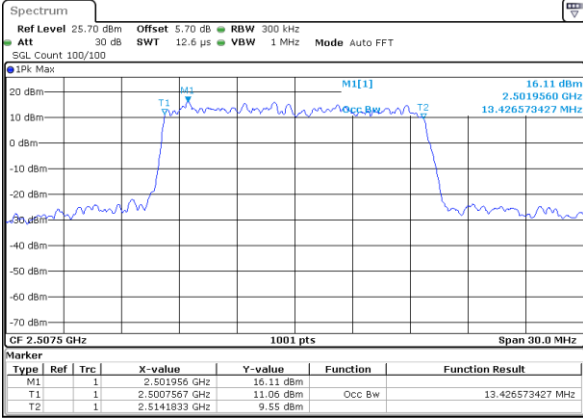


Date: 16 FEB 2019 13:12:28



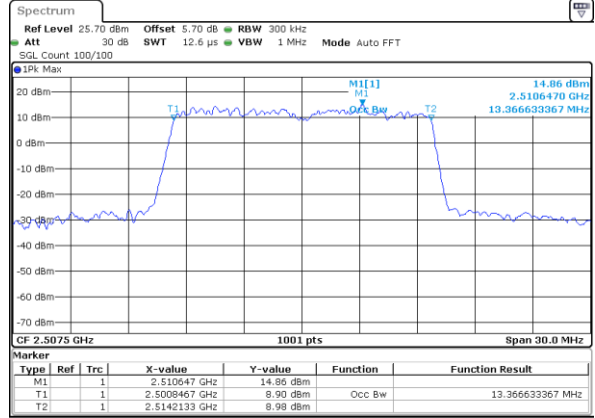
LTE Band 7

Lowest Channel / 15MHz / QPSK



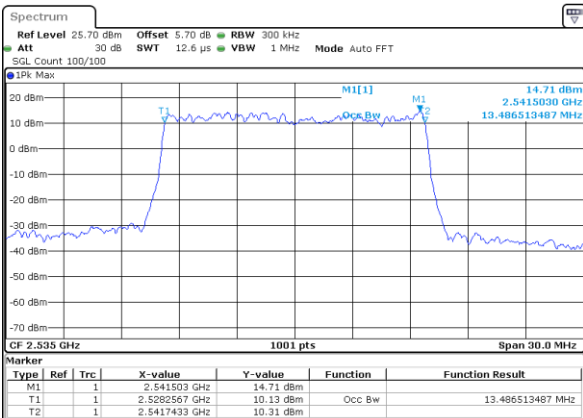
Date: 16 FEB 2019 13:18:37

Lowest Channel / 15MHz / 16QAM



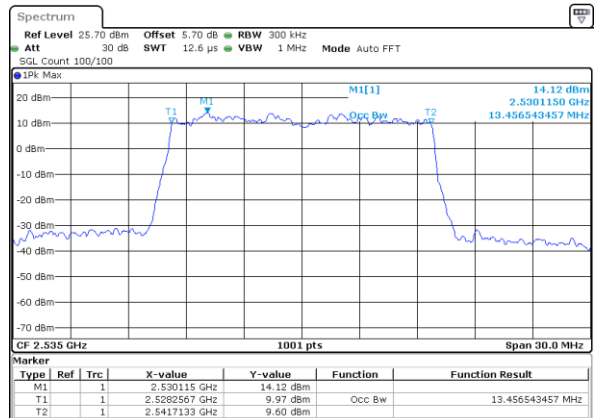
Date: 16 FEB 2019 13:18:16

Middle Channel / 15MHz / QPSK



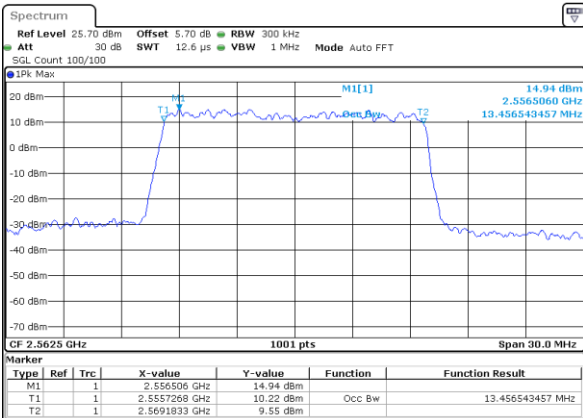
Date: 16 FEB 2019 13:18:58

Middle Channel / 15MHz / 16QAM



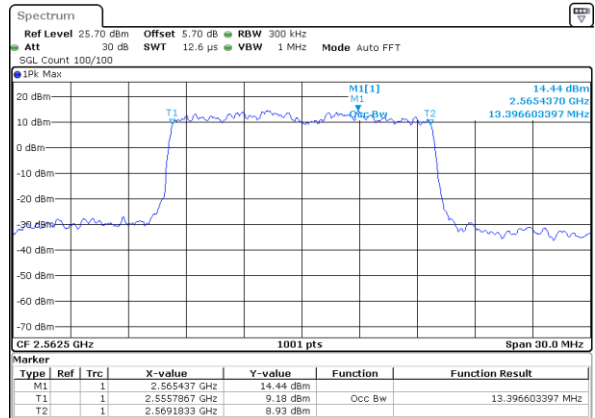
Date: 16 FEB 2019 13:19:20

Highest Channel / 15MHz / QPSK



Date: 16 FEB 2019 13:20:02

Highest Channel / 15MHz / 16QAM

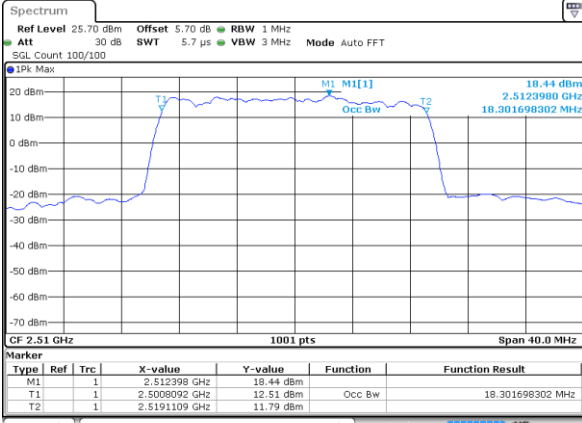


Date: 16 FEB 2019 13:19:41



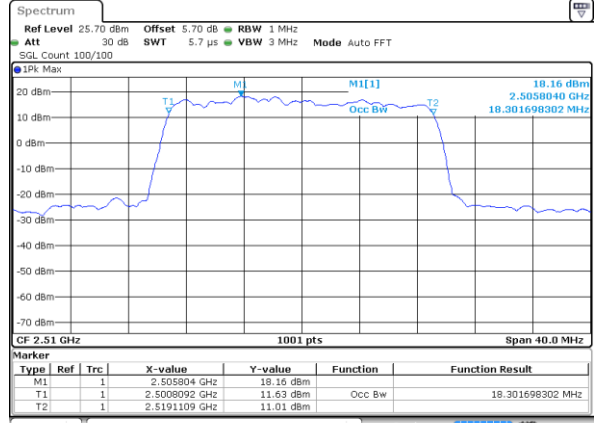
LTE Band 7

Lowest Channel / 20MHz / QPSK



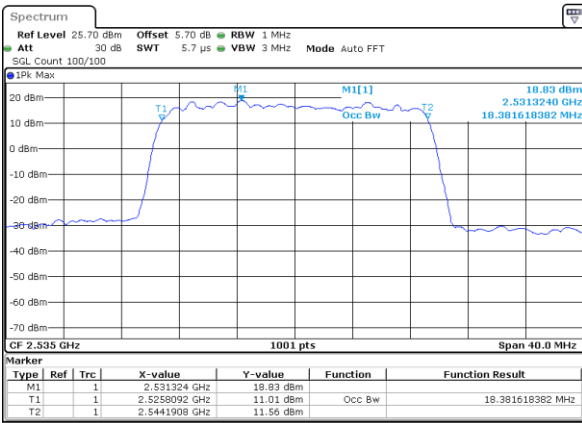
Date: 16 FEB 2019 13:27:20

Lowest Channel / 20MHz / 16QAM



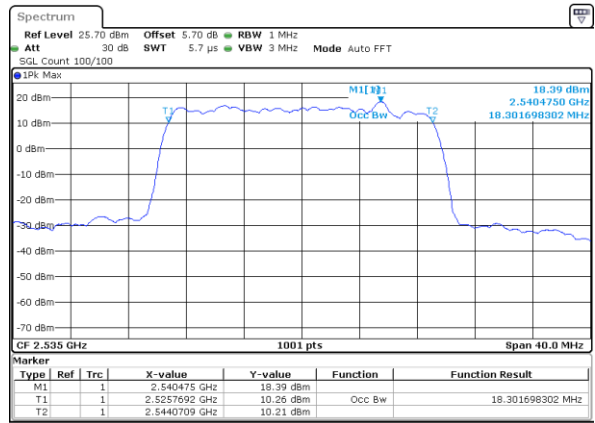
Date: 16 FEB 2019 13:26:59

Middle Channel / 20MHz / QPSK



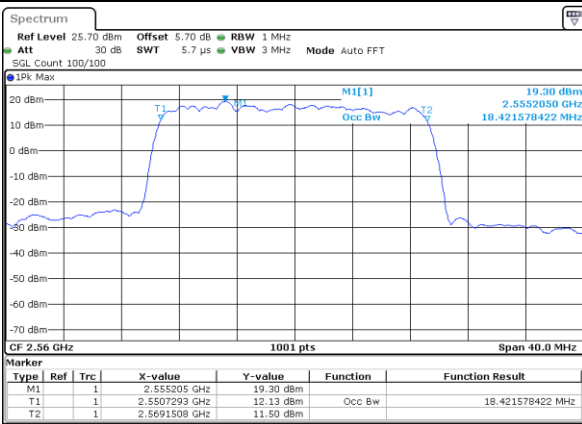
Date: 16 FEB 2019 13:27:41

Middle Channel / 20MHz / 16QAM



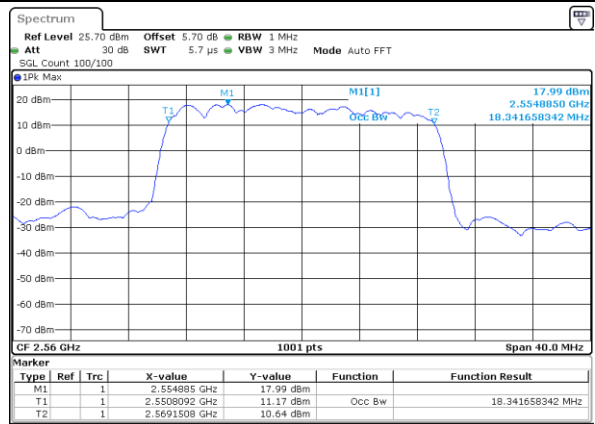
Date: 16 FEB 2019 13:28:03

Highest Channel / 20MHz / QPSK



Date: 16 FEB 2019 13:28:45

Highest Channel / 20MHz / 16QAM

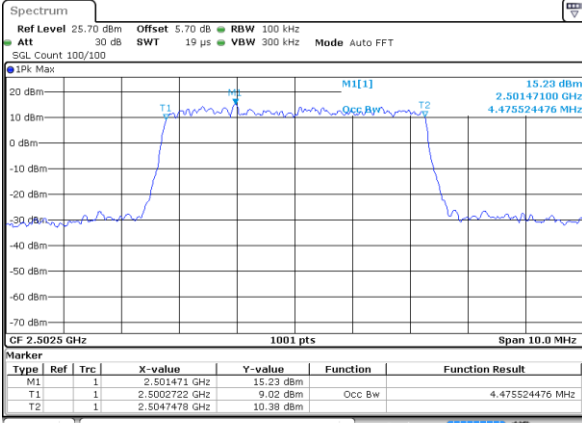


Date: 16 FEB 2019 13:28:24



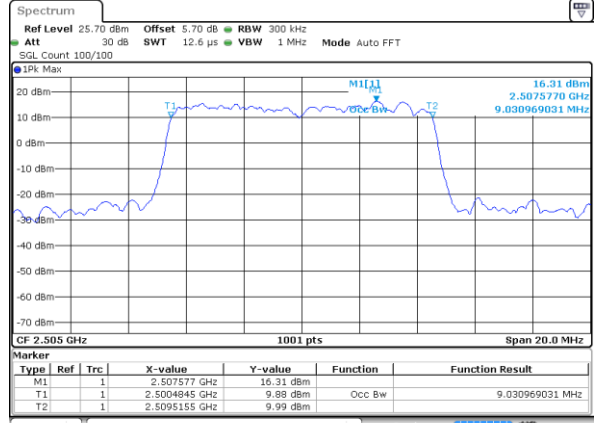
LTE Band 7

Lowest Channel / 5MHz / 64QAM



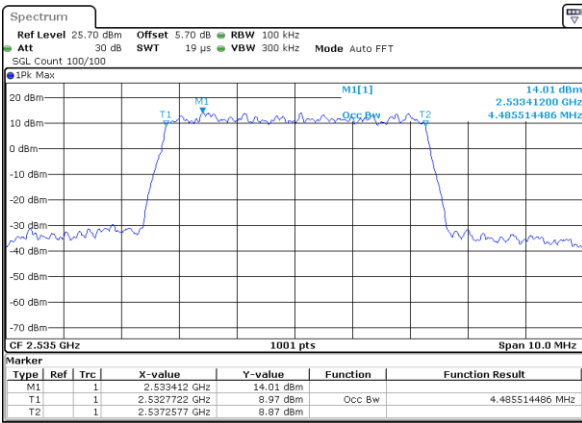
Date: 16 FEB 2019 13:34:34

Lowest Channel / 10MHz / 64QAM



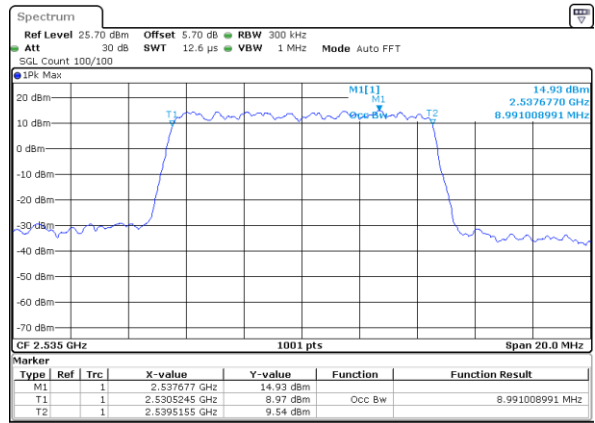
Date: 16 FEB 2019 13:38:21

Middle Channel / 5MHz / 64QAM



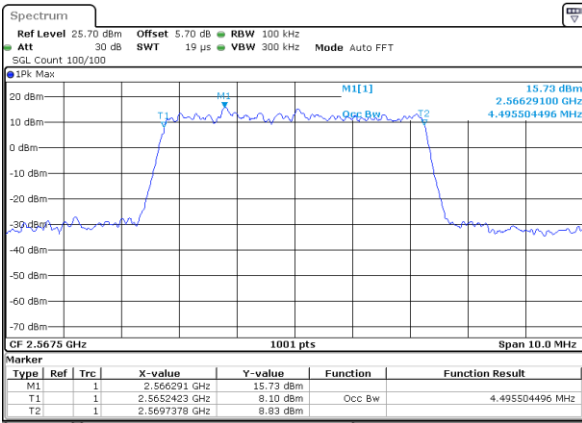
Date: 16 FEB 2019 13:34:45

Middle Channel / 10MHz / 64QAM



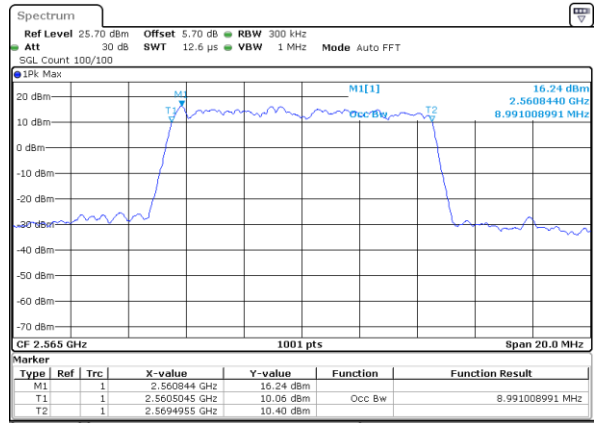
Date: 16 FEB 2019 13:38:32

Highest Channel / 5MHz / 64QAM



Date: 16 FEB 2019 13:34:55

Highest Channel / 10MHz / 64QAM

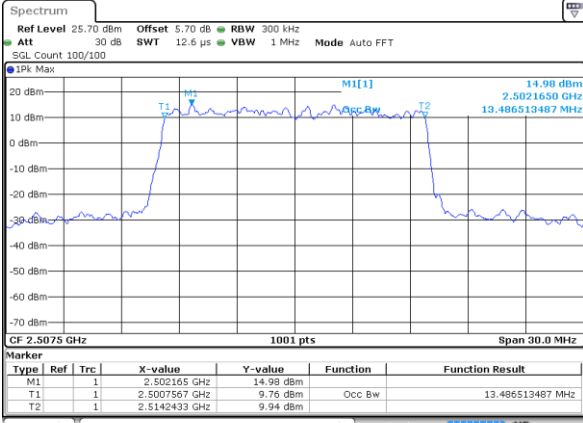


Date: 16 FEB 2019 13:38:43



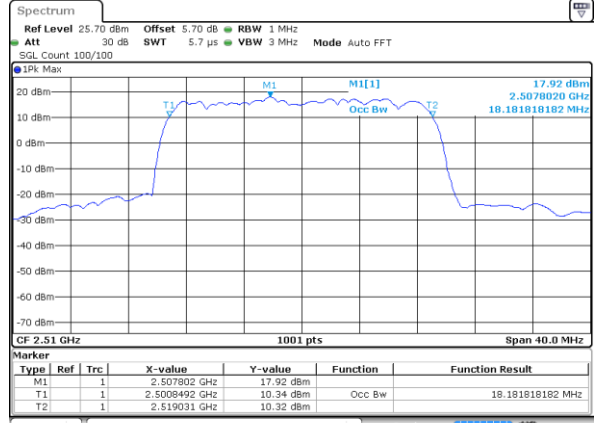
LTE Band 7

Lowest Channel / 15MHz / 64QAM



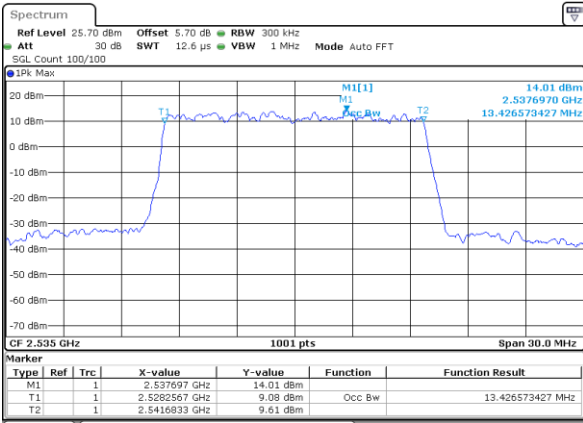
Date: 16 FEB 2019 13:42:09

Lowest Channel / 20MHz / 64QAM



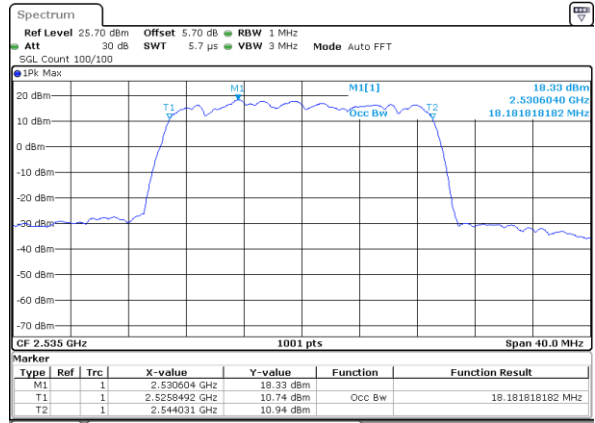
Date: 16 FEB 2019 13:45:57

Middle Channel / 15MHz / 64QAM



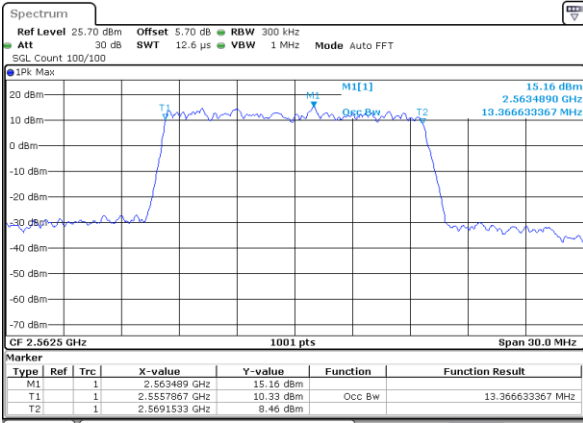
Date: 16 FEB 2019 13:42:20

Middle Channel / 20MHz / 64QAM



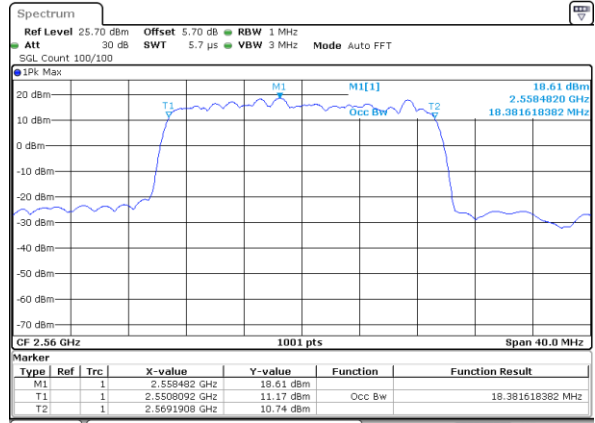
Date: 16 FEB 2019 13:46:08

Highest Channel / 15MHz / 64QAM



Date: 16 FEB 2019 13:42:31

Highest Channel / 20MHz / 64QAM

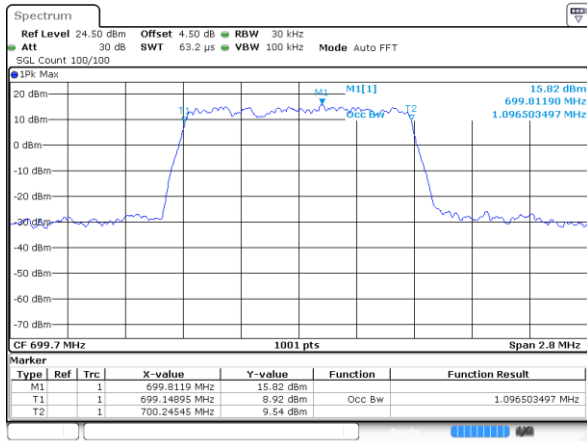


Date: 16 FEB 2019 13:46:18



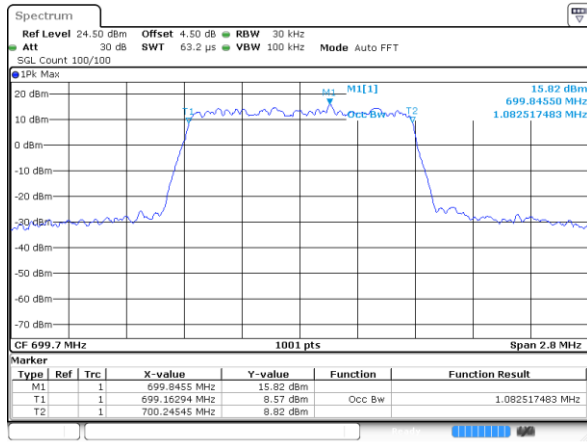
LTE Band 12

Lowest Channel / 1.4MHz / QPSK



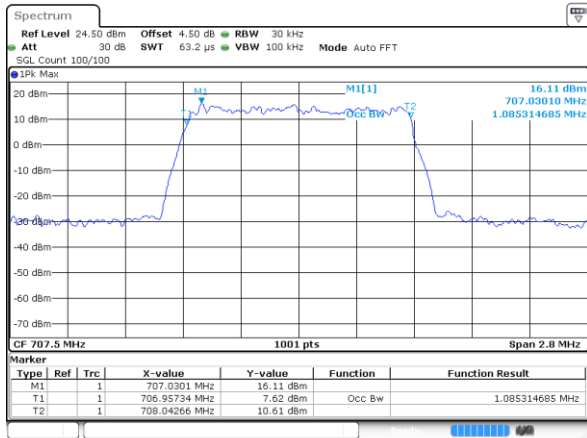
Date: 16 FEB 2019 14:51:38

Lowest Channel / 1.4MHz / 16QAM



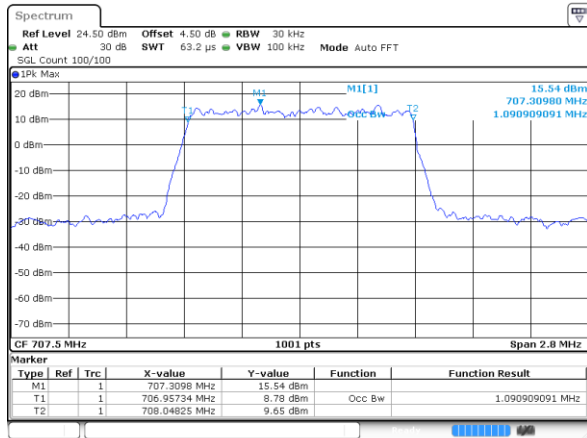
Date: 16 FEB 2019 14:51:54

Middle Channel / 1.4MHz / QPSK



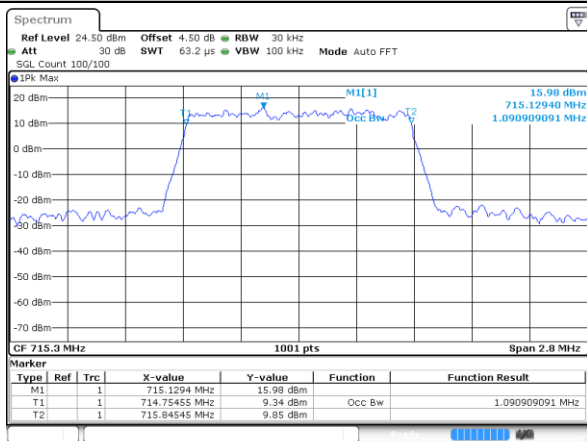
Date: 16 FEB 2019 14:52:20

Middle Channel / 1.4MHz / 16QAM



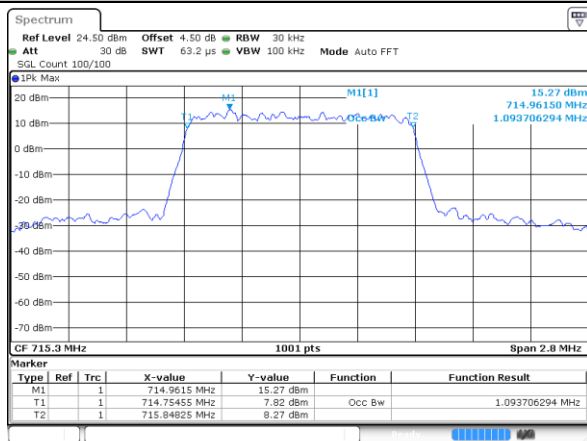
Date: 16 FEB 2019 14:52:08

Highest Channel / 1.4MHz / QPSK



Date: 16 FEB 2019 14:52:32

Highest Channel / 1.4MHz / 16QAM

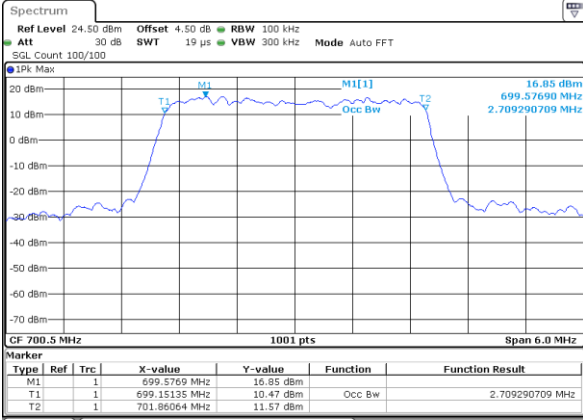


Date: 16 FEB 2019 14:52:44



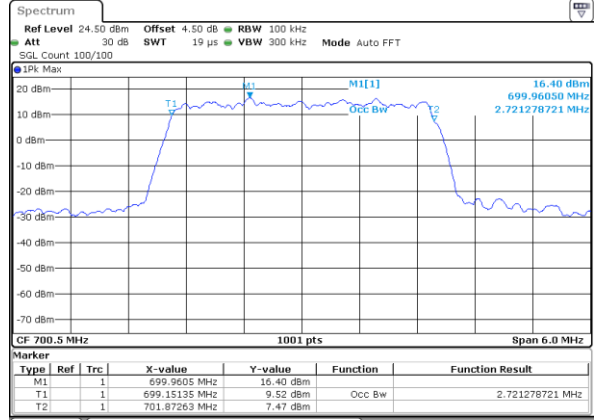
LTE Band 12

Lowest Channel / 3MHz / QPSK



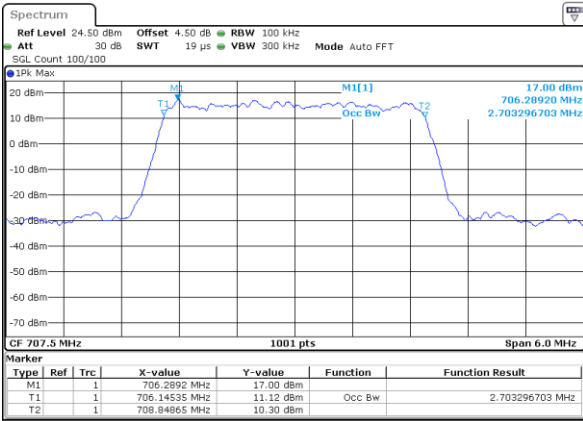
Date: 16 FEB 2019 14:59:49

Lowest Channel / 3MHz / 16QAM



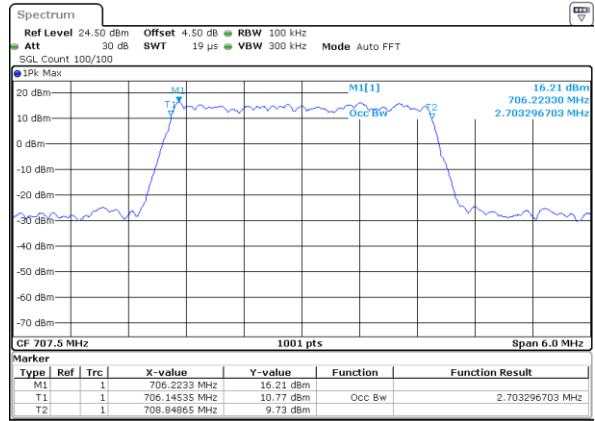
Date: 16 FEB 2019 15:00:00

Middle Channel / 3MHz / QPSK



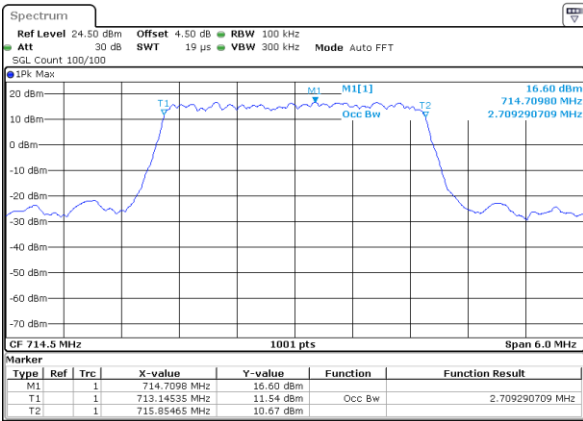
Date: 16 FEB 2019 15:00:21

Middle Channel / 3MHz / 16QAM



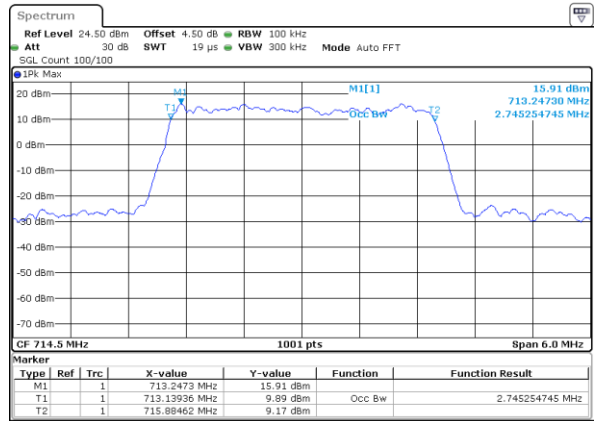
Date: 16 FEB 2019 15:00:10

Highest Channel / 3MHz / QPSK



Date: 16 FEB 2019 15:00:32

Highest Channel / 3MHz / 16QAM

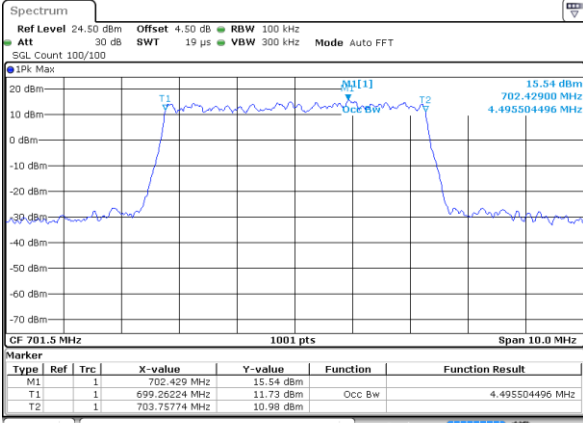


Date: 16 FEB 2019 15:00:43



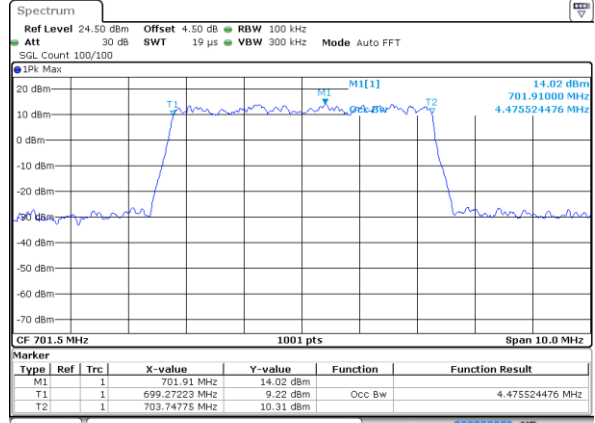
LTE Band 12

Lowest Channel / 5MHz / QPSK



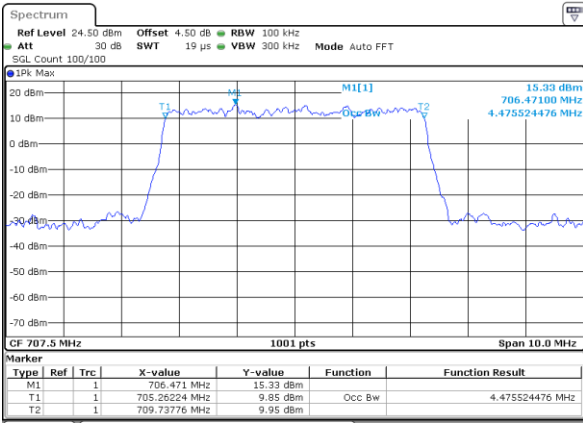
Date: 16 FEB 2019 15:07:30

Lowest Channel / 5MHz / 16QAM



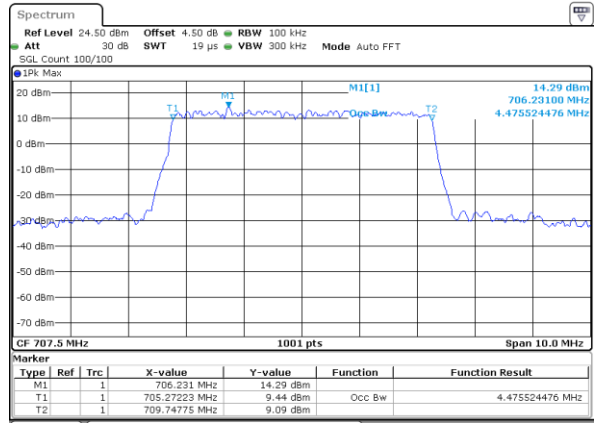
Date: 16 FEB 2019 15:07:41

Middle Channel / 5MHz / QPSK



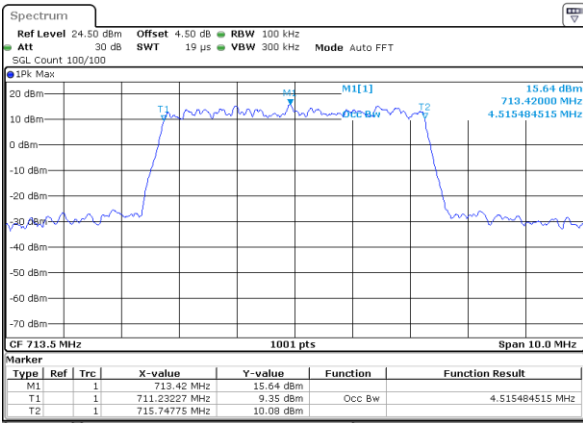
Date: 16 FEB 2019 15:08:02

Middle Channel / 5MHz / 16QAM



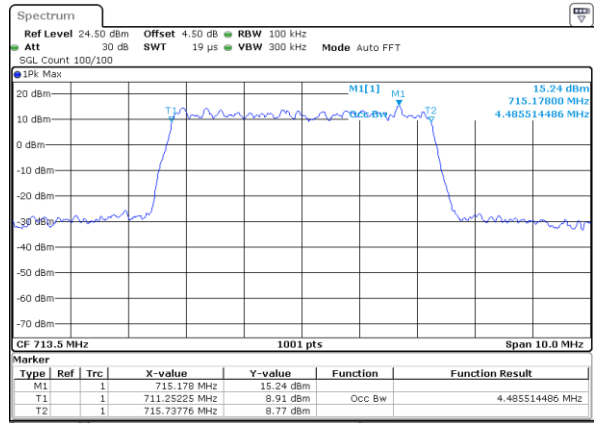
Date: 16 FEB 2019 15:07:51

Highest Channel / 5MHz / QPSK



Date: 16 FEB 2019 15:08:13

Highest Channel / 5MHz / 16QAM

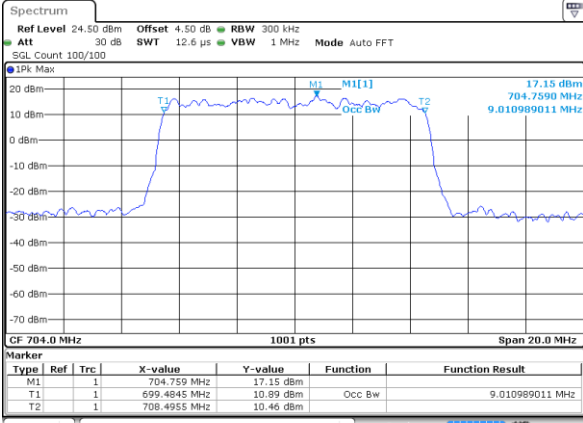


Date: 16 FEB 2019 15:08:24



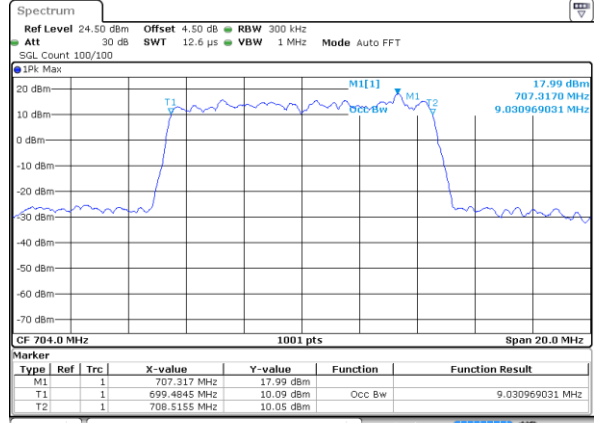
LTE Band 12

Lowest Channel / 10MHz / QPSK



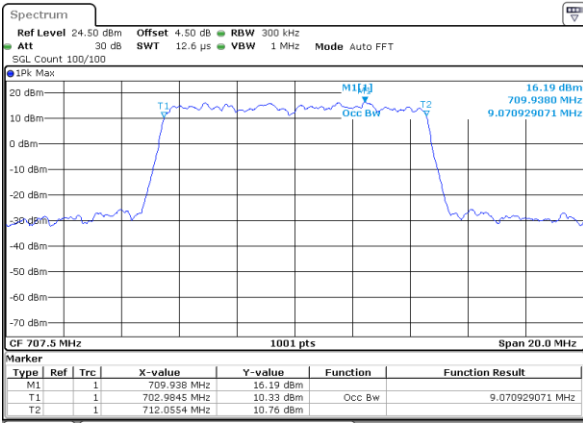
Date: 16 FEB 2019 15:15:10

Lowest Channel / 10MHz / 16QAM



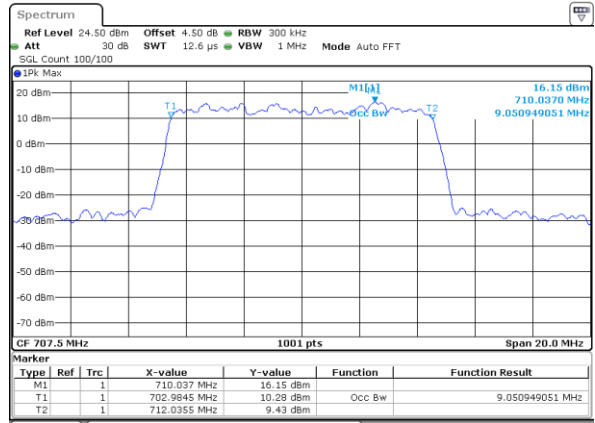
Date: 16 FEB 2019 15:15:20

Middle Channel / 10MHz / QPSK



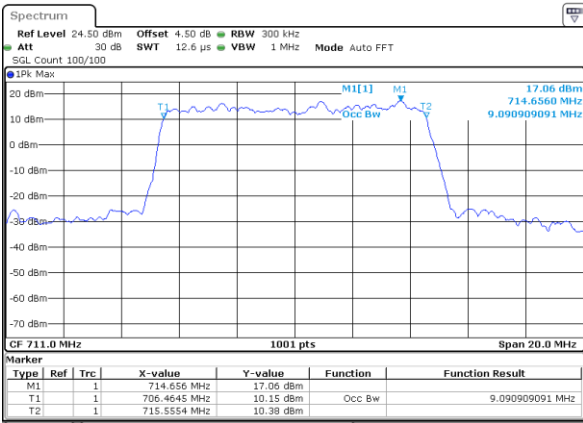
Date: 16 FEB 2019 15:15:42

Middle Channel / 10MHz / 16QAM



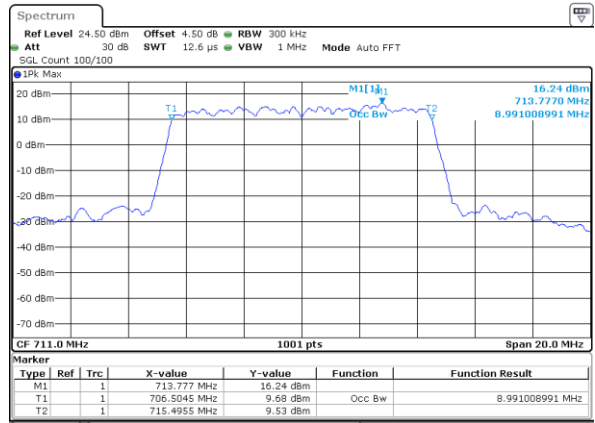
Date: 16 FEB 2019 15:15:31

Highest Channel / 10MHz / QPSK



Date: 16 FEB 2019 15:15:53

Highest Channel / 10MHz / 16QAM

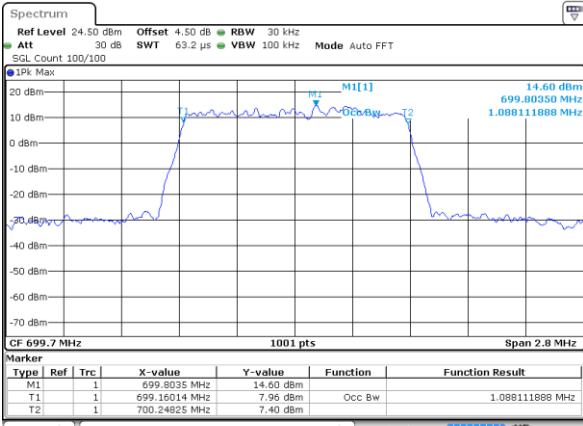


Date: 16 FEB 2019 15:16:03



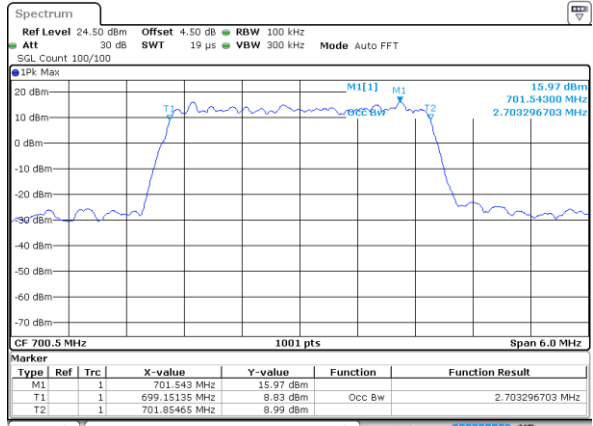
LTE Band 12

Lowest Channel / 1.4MHz / 64QAM



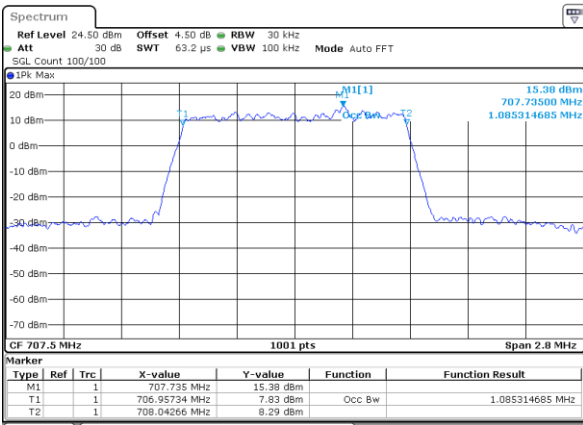
Date: 16 FEB 2019 15:22:49

Lowest Channel / 3MHz / 64QAM



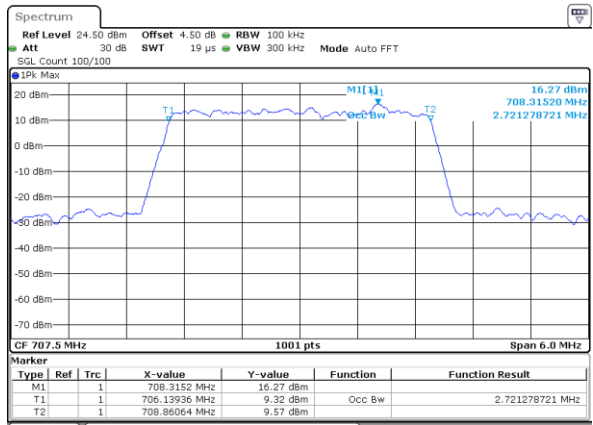
Date: 16 FEB 2019 15:29:24

Middle Channel / 1.4MHz / 64QAM



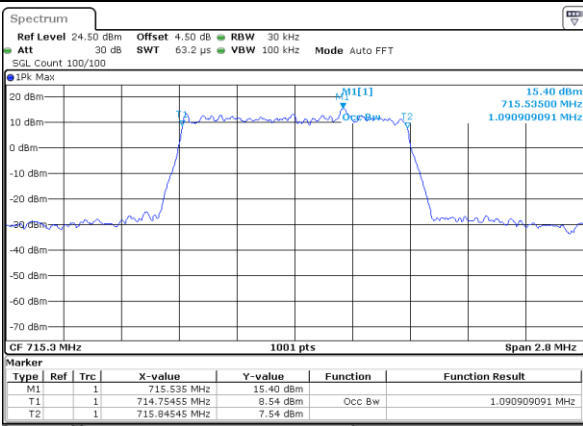
Date: 16 FEB 2019 15:23:10

Middle Channel / 3MHz / 64QAM



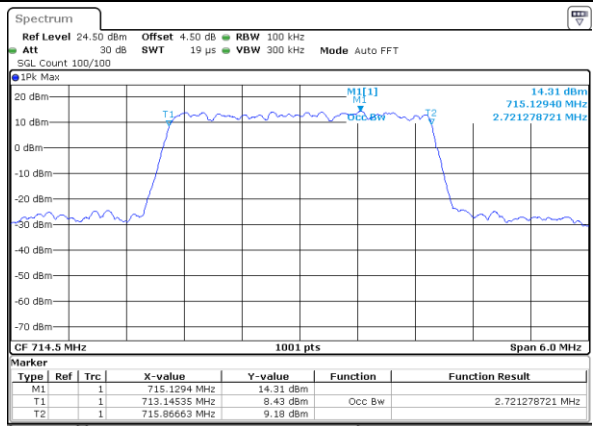
Date: 16 FEB 2019 15:29:46

Highest Channel / 1.4MHz / 64QAM



Date: 16 FEB 2019 15:23:32

Highest Channel / 3MHz / 64QAM

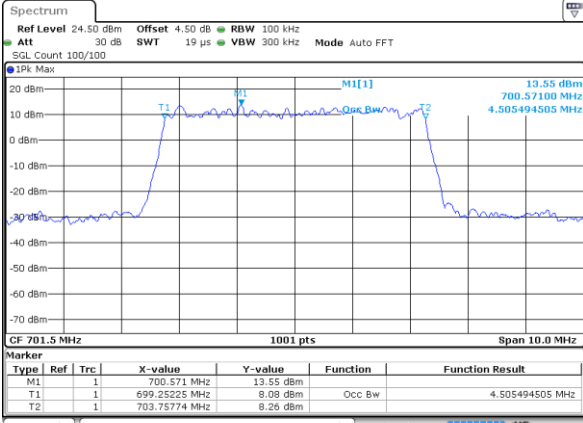


Date: 16 FEB 2019 15:30:07



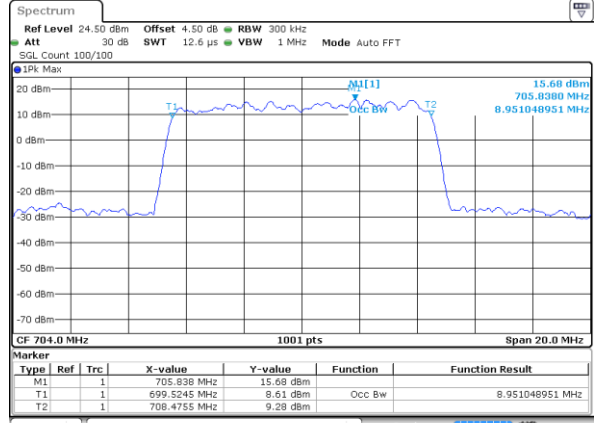
LTE Band 12

Lowest Channel / 5MHz / 64QAM



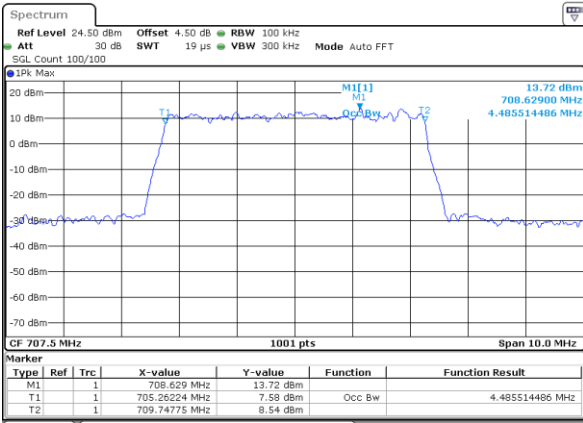
Date: 16 FEB 2019 15:30:29

Lowest Channel / 10MHz / 64QAM



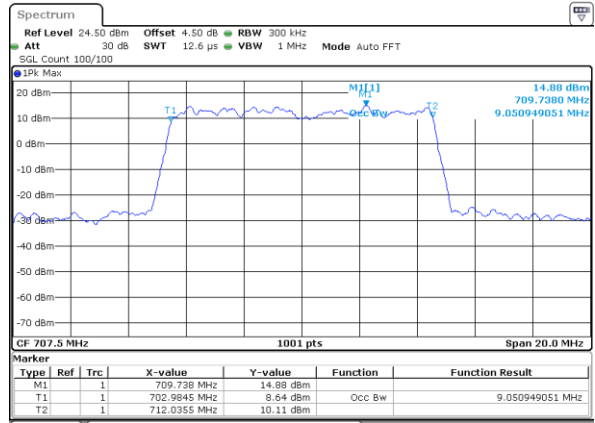
Date: 16 FEB 2019 15:37:04

Middle Channel / 5MHz / 64QAM



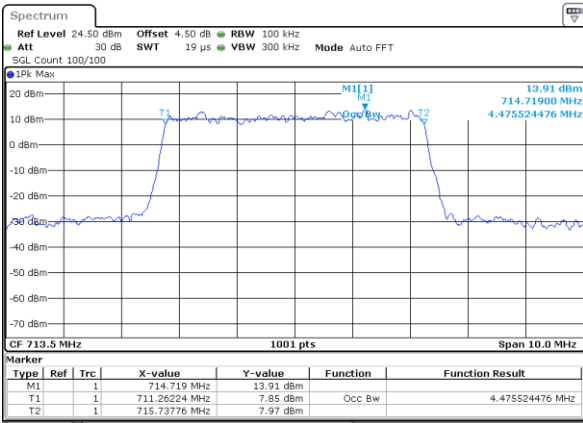
Date: 16 FEB 2019 15:30:50

Middle Channel / 10MHz / 64QAM



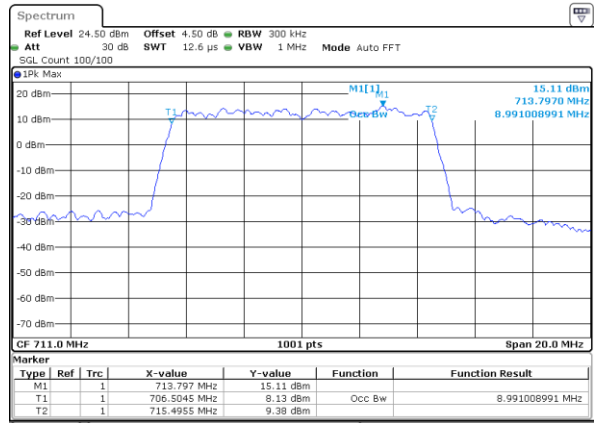
Date: 16 FEB 2019 15:37:25

Highest Channel / 5MHz / 64QAM



Date: 16 FEB 2019 15:31:11

Highest Channel / 10MHz / 64QAM

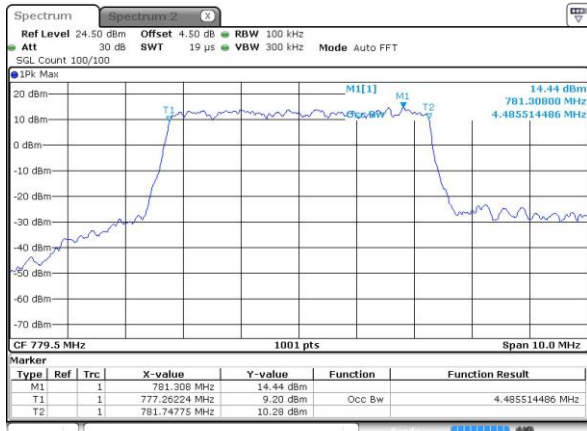


Date: 16 FEB 2019 15:37:47



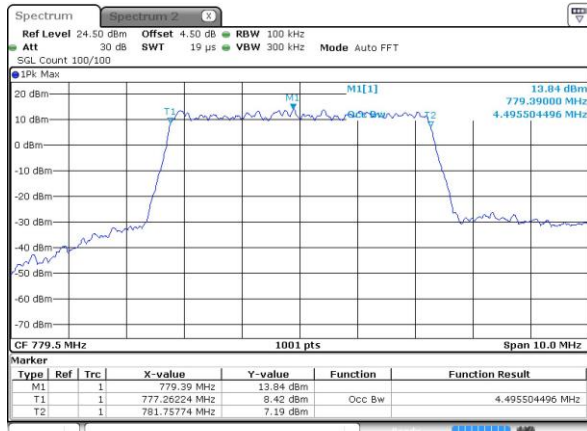
LTE Band 13

Lowest Channel / 5MHz / QPSK



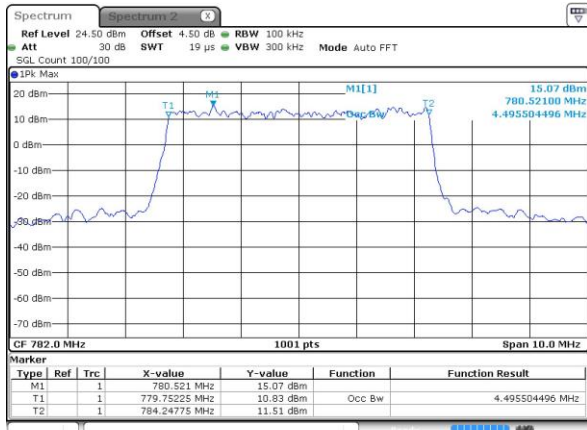
Date: 23 MAR 2019 16:06:10

Lowest Channel / 5MHz / 16QAM



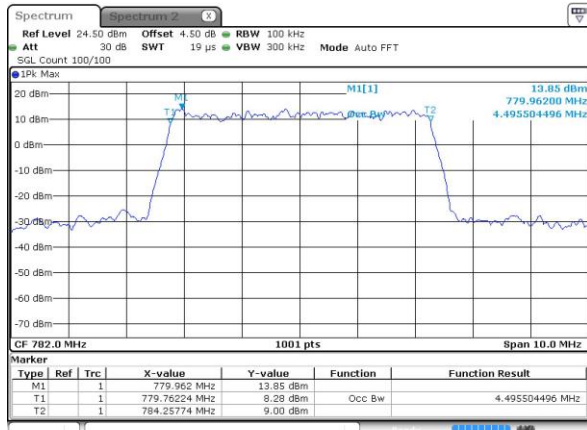
Date: 23 MAR 2019 16:06:39

Middle Channel / 5MHz / QPSK



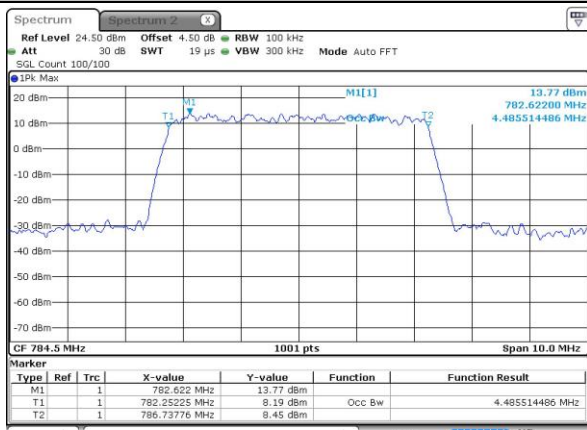
Date: 23 MAR 2019 16:08:56

Middle Channel / 5MHz / 16QAM



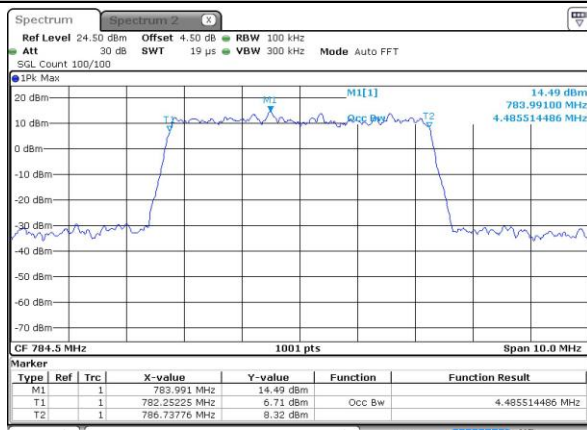
Date: 23 MAR 2019 16:08:29

Highest Channel / 5MHz / QPSK



Date: 23 MAR 2019 16:10:10

Highest Channel / 5MHz / 16QAM

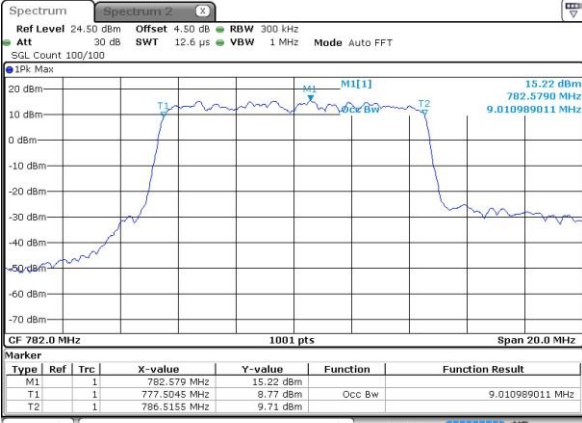


Date: 23 MAR 2019 16:10:48



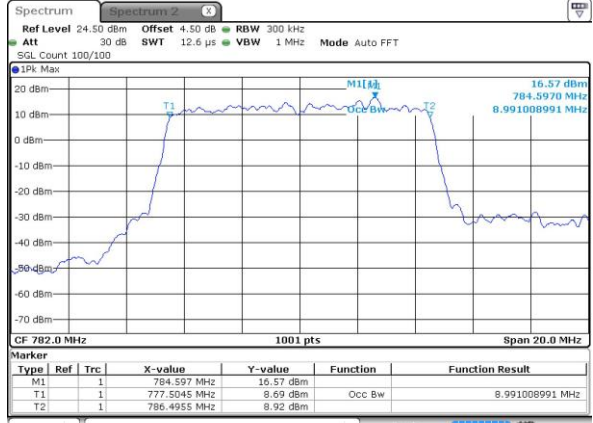
LTE Band 13

Middle Channel / 10MHz / QPSK



Date: 23 MAR 2019 16:18:01

Middle Channel / 10MHz / 16QAM

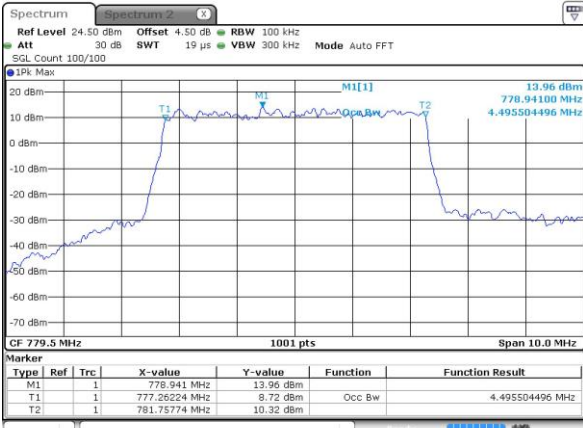


Date: 23 MAR 2019 16:18:36



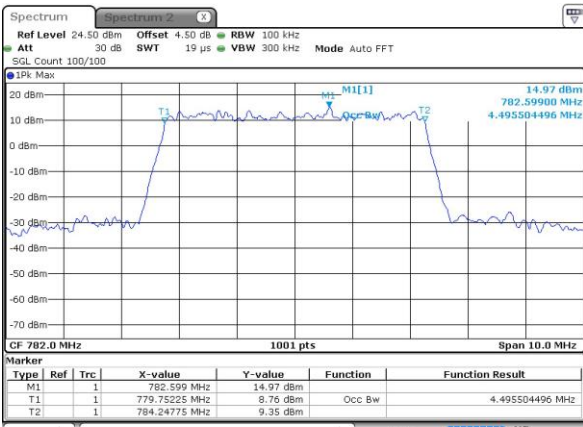
LTE Band 13

Lowest Channel / 5MHz / 64QAM



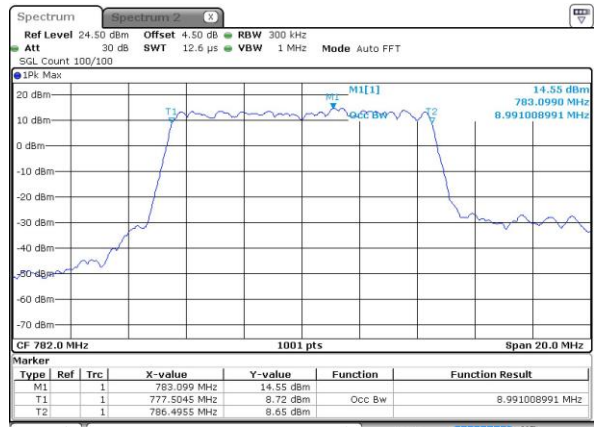
Date: 23 MAR 2019 16:07:22

Middle Channel / 5MHz / 64QAM



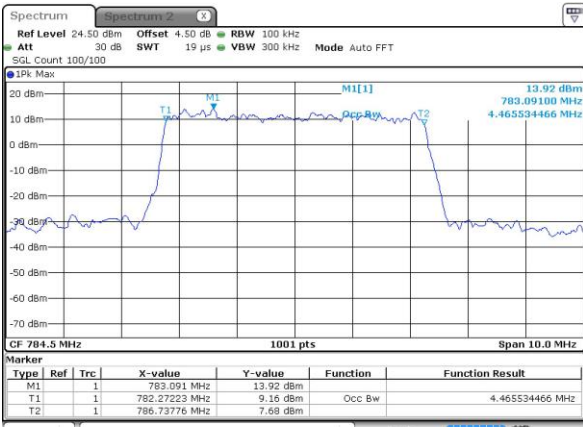
Date: 23 MAR 2019 16:08:00

Middle Channel / 10MHz / 64QAM



Date: 23 MAR 2019 16:19:18

Highest Channel / 5MHz / 64QAM

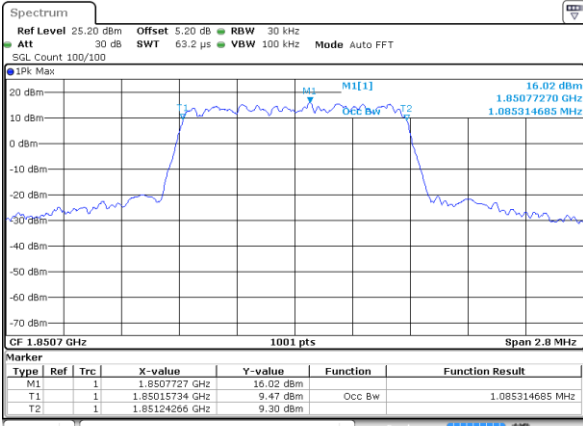


Date: 23 MAR 2019 16:11:20



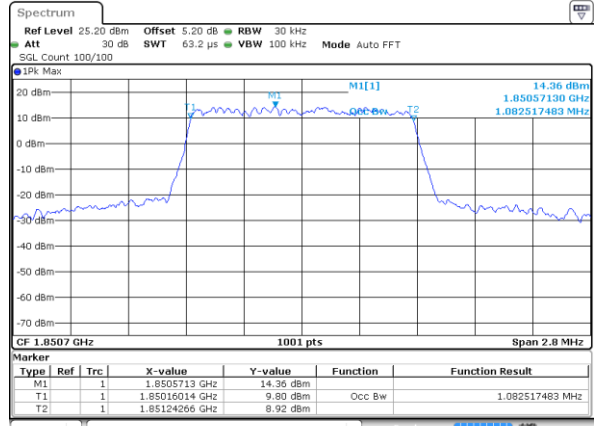
LTE Band 25

Lowest Channel / 1.4MHz / QPSK



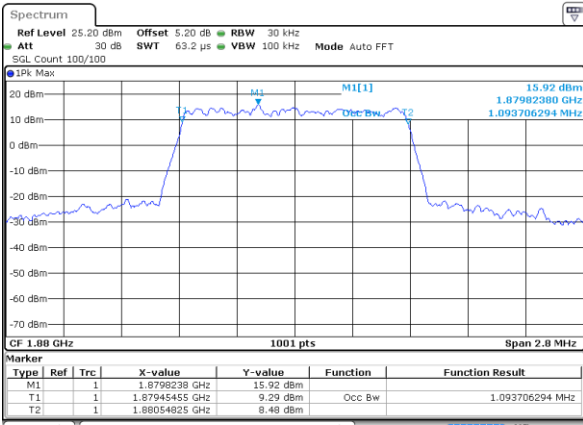
Date: 16 FEB 2019 17:35:07

Lowest Channel / 1.4MHz / 16QAM



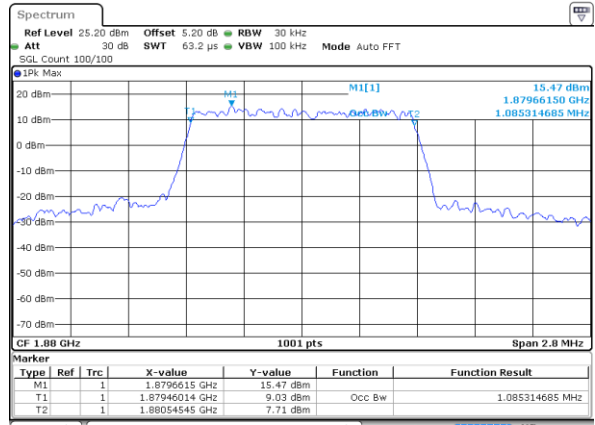
Date: 16 FEB 2019 17:35:28

Middle Channel / 1.4MHz / QPSK



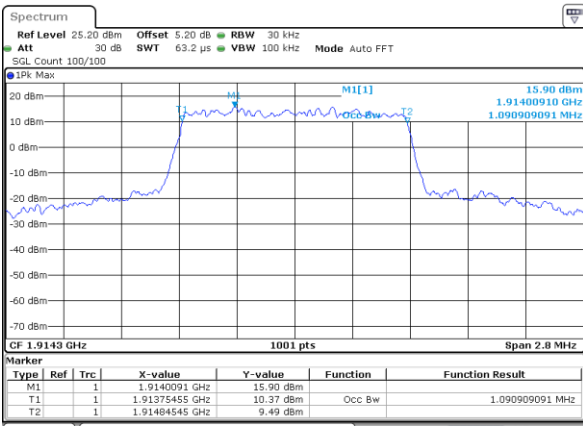
Date: 16 FEB 2019 17:36:11

Middle Channel / 1.4MHz / 16QAM



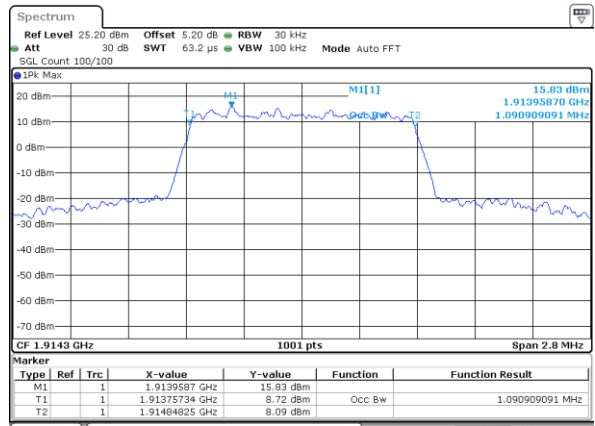
Date: 16 FEB 2019 17:36:32

Highest Channel / 1.4MHz / QPSK



Date: 16 FEB 2019 17:37:15

Highest Channel / 1.4MHz / 16QAM

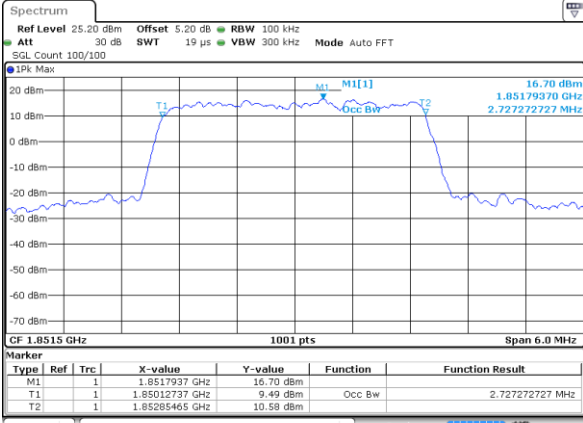


Date: 16 FEB 2019 17:37:36



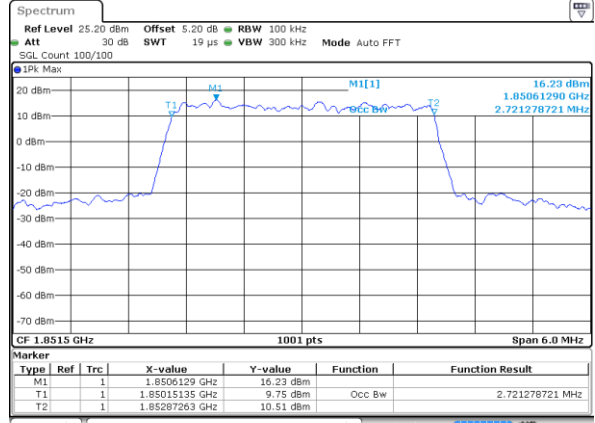
LTE Band 25

Lowest Channel / 3MHz / QPSK



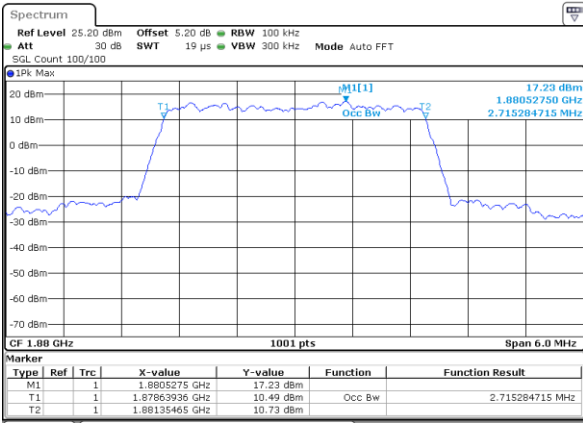
Date: 16 FEB 2019 17:43:49

Lowest Channel / 3MHz / 16QAM



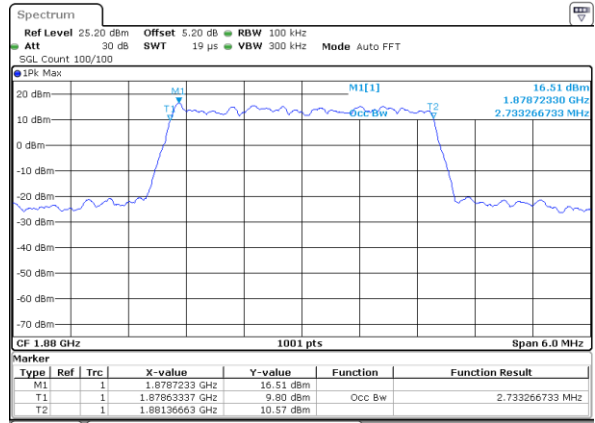
Date: 16 FEB 2019 17:44:13

Middle Channel / 3MHz / QPSK



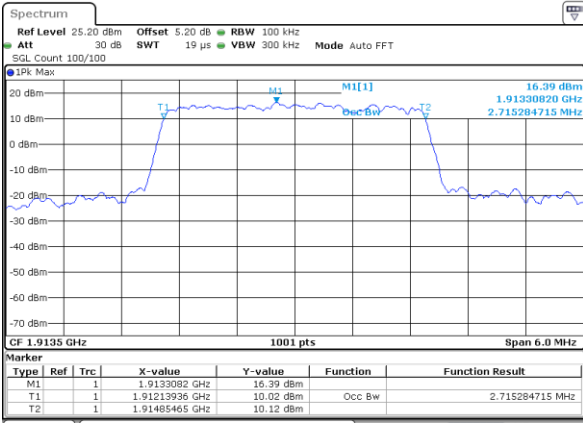
Date: 16 FEB 2019 17:44:57

Middle Channel / 3MHz / 16QAM



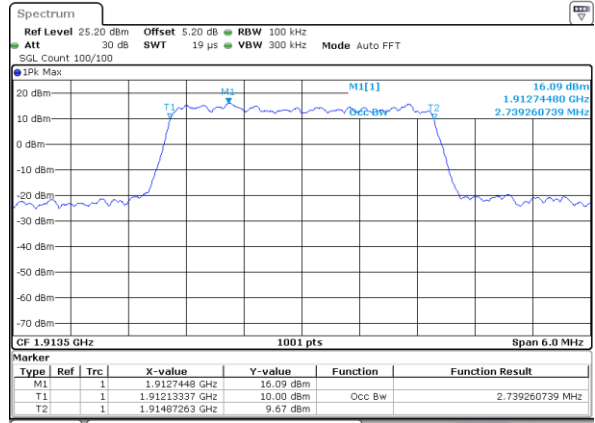
Date: 16 FEB 2019 17:45:19

Highest Channel / 3MHz / QPSK



Date: 16 FEB 2019 17:46:02

Highest Channel / 3MHz / 16QAM

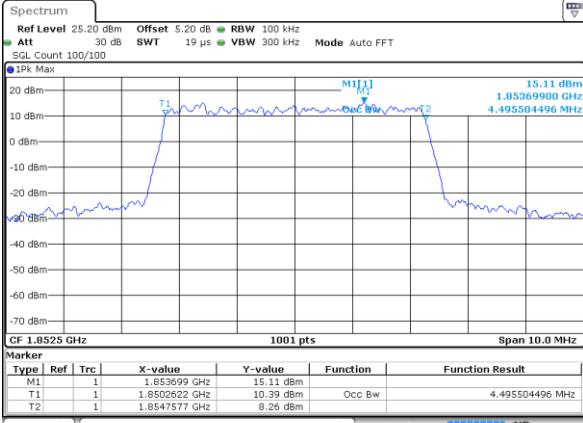


Date: 16 FEB 2019 17:46:24



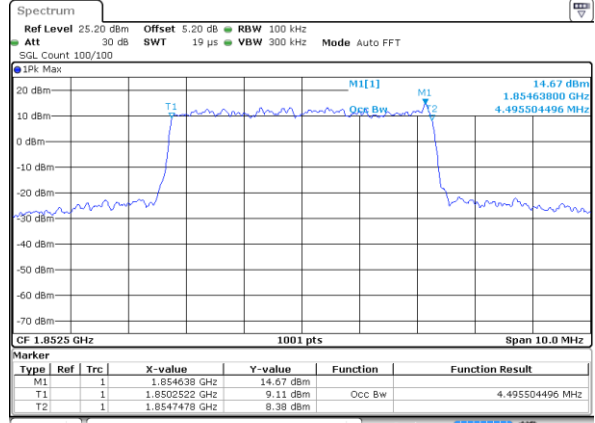
LTE Band 25

Lowest Channel / 5MHz / QPSK



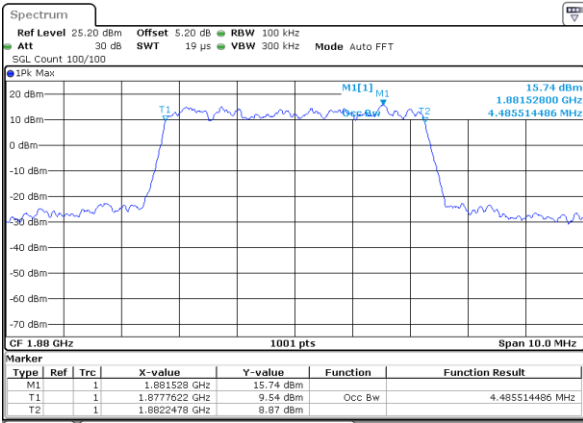
Date: 16 FEB 2019 17:55:31

Lowest Channel / 5MHz / 16QAM



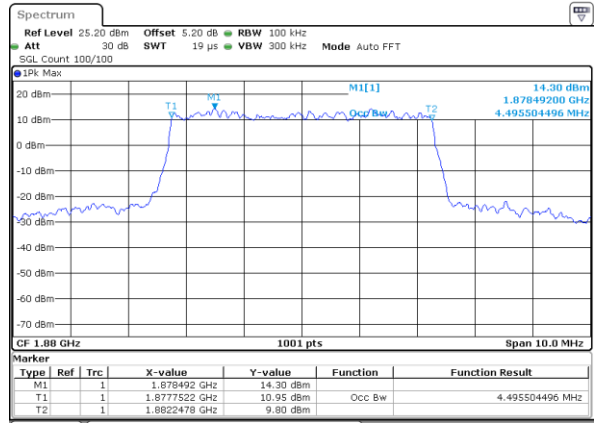
Date: 16 FEB 2019 17:55:53

Middle Channel / 5MHz / QPSK



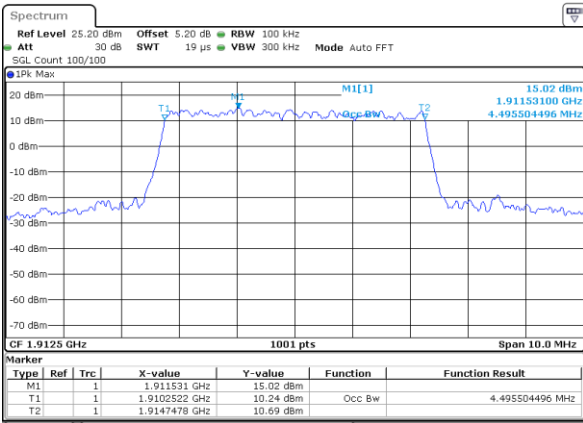
Date: 16 FEB 2019 18:03:02

Middle Channel / 5MHz / 16QAM



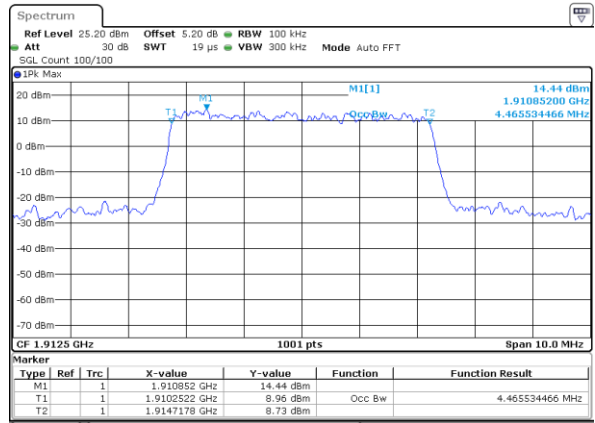
Date: 16 FEB 2019 18:02:39

Highest Channel / 5MHz / QPSK



Date: 16 FEB 2019 18:03:24

Highest Channel / 5MHz / 16QAM

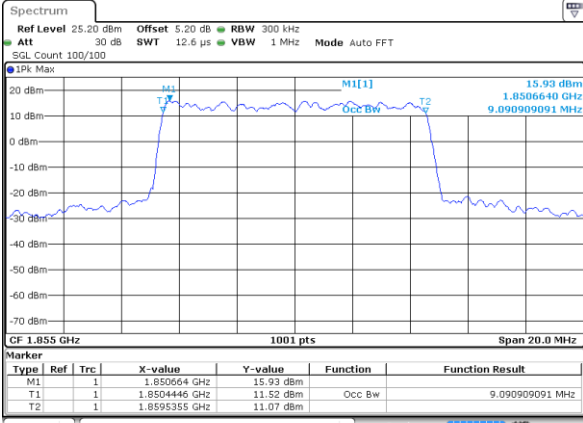


Date: 16 FEB 2019 18:03:45



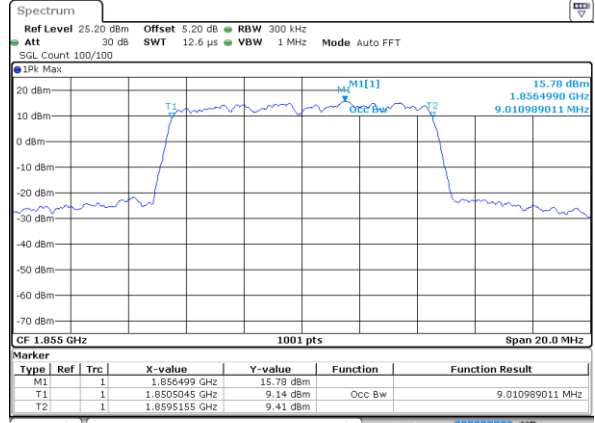
LTE Band 25

Lowest Channel / 10MHz / QPSK



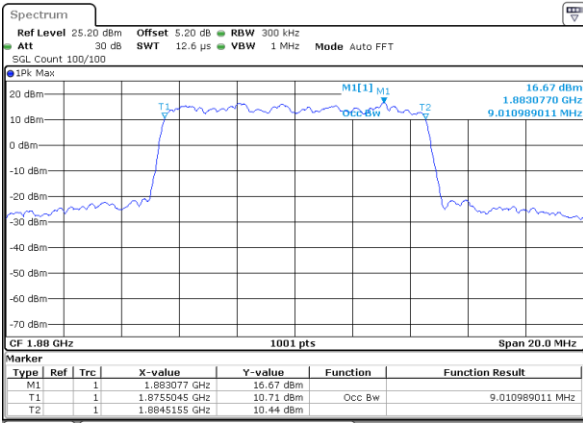
Date: 16 FEB 2019 18:07:18

Lowest Channel / 10MHz / 16QAM



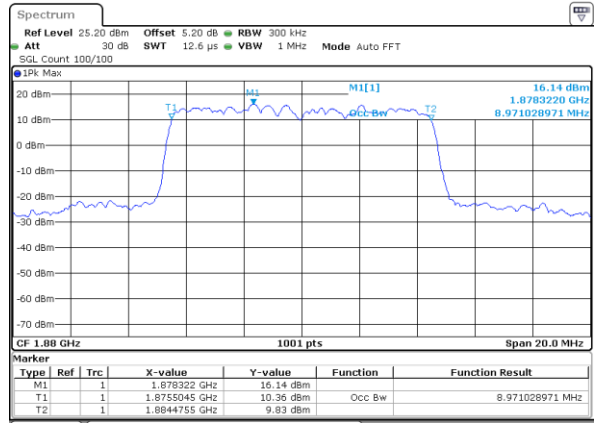
Date: 16 FEB 2019 18:07:40

Middle Channel / 10MHz / QPSK



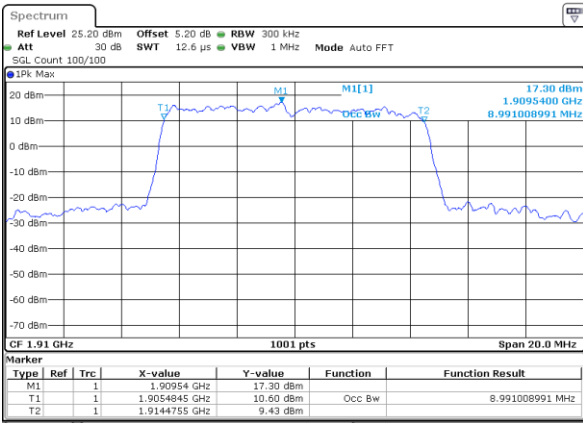
Date: 16 FEB 2019 18:14:40

Middle Channel / 10MHz / 16QAM



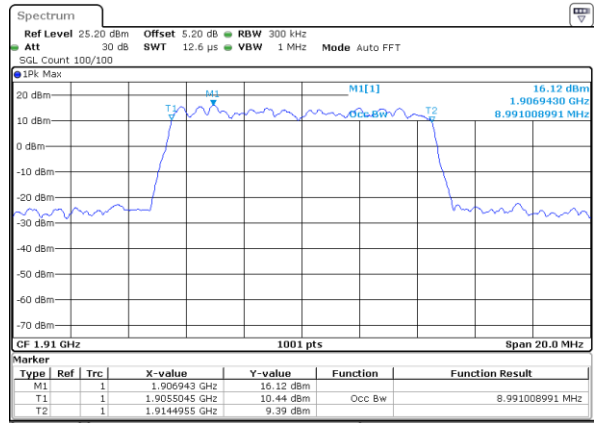
Date: 16 FEB 2019 18:14:18

Highest Channel / 10MHz / QPSK



Date: 16 FEB 2019 18:15:01

Highest Channel / 10MHz / 16QAM

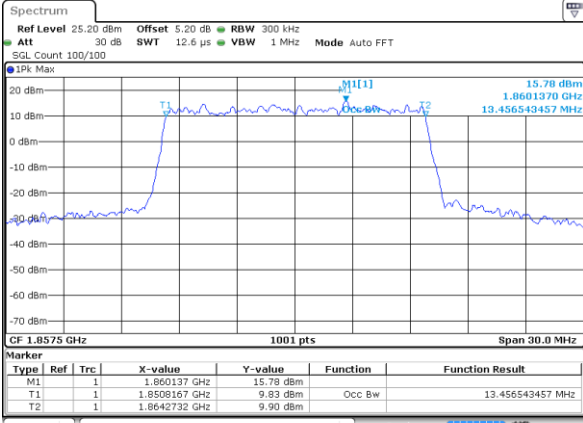


Date: 16 FEB 2019 18:15:23



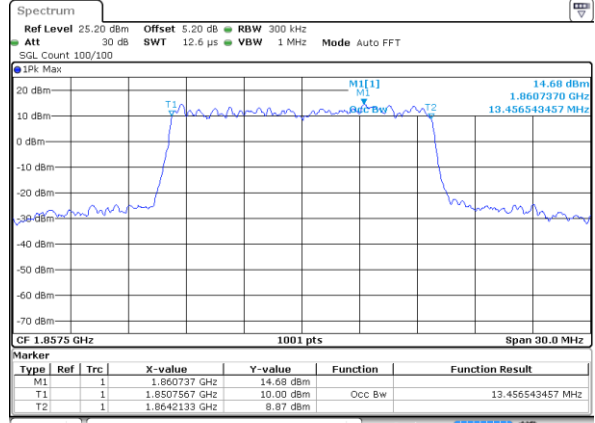
LTE Band 25

Lowest Channel / 15MHz / QPSK



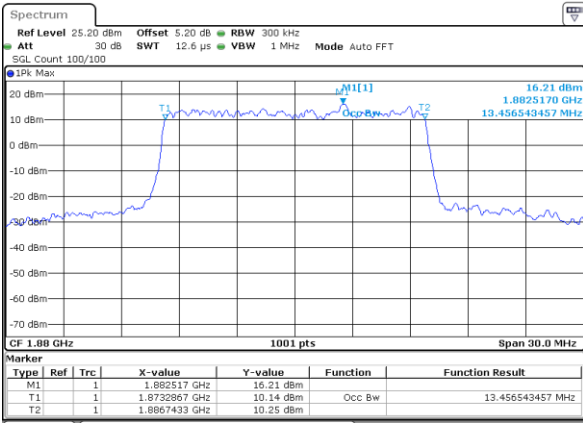
Date: 16 FEB 2019 18:18:53

Lowest Channel / 15MHz / 16QAM



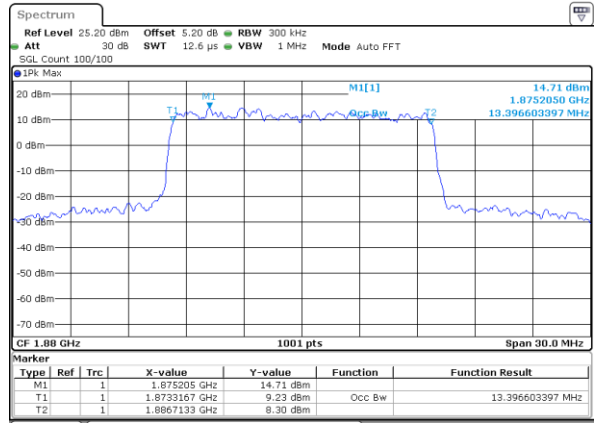
Date: 16 FEB 2019 18:19:15

Middle Channel / 15MHz / QPSK



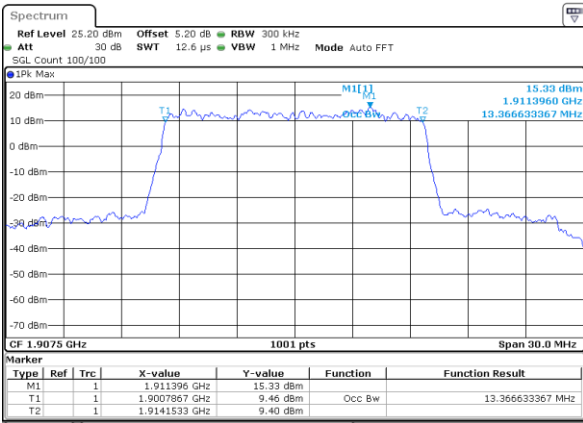
Date: 16 FEB 2019 18:26:16

Middle Channel / 15MHz / 16QAM



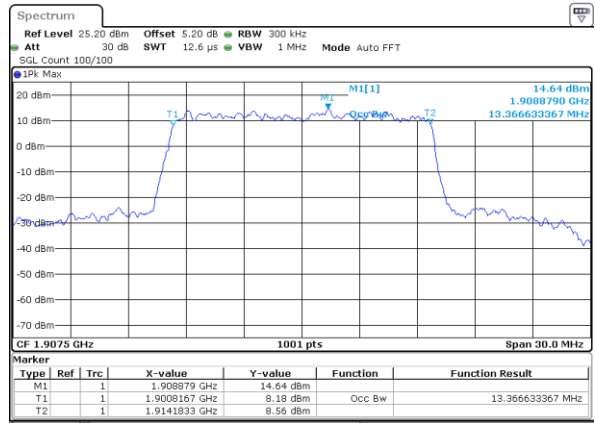
Date: 16 FEB 2019 18:25:54

Highest Channel / 15MHz / QPSK



Date: 16 FEB 2019 18:26:37

Highest Channel / 15MHz / 16QAM

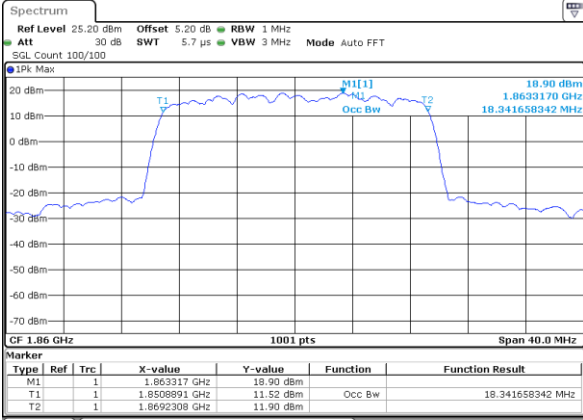


Date: 16 FEB 2019 18:26:59



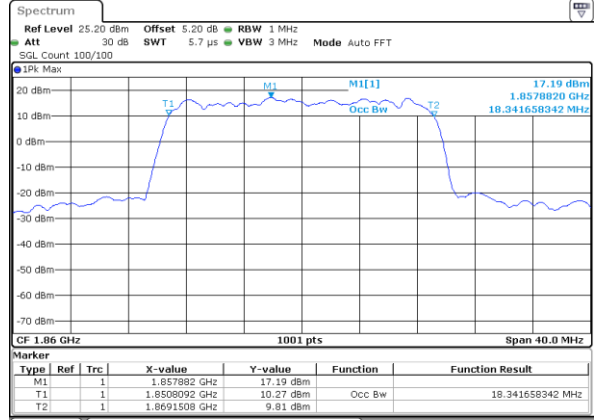
LTE Band 25

Lowest Channel / 20MHz / QPSK



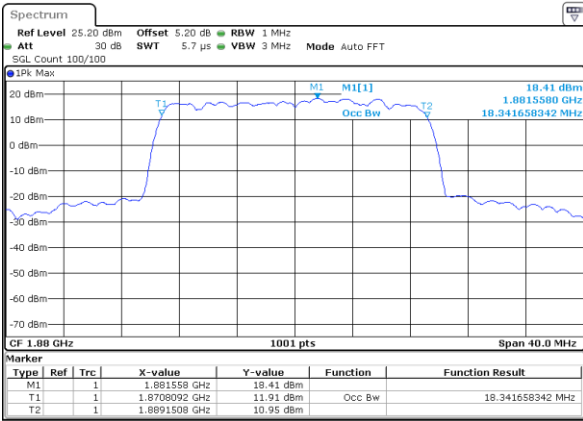
Date: 16 FEB 2019 18:30:29

Lowest Channel / 20MHz / 16QAM



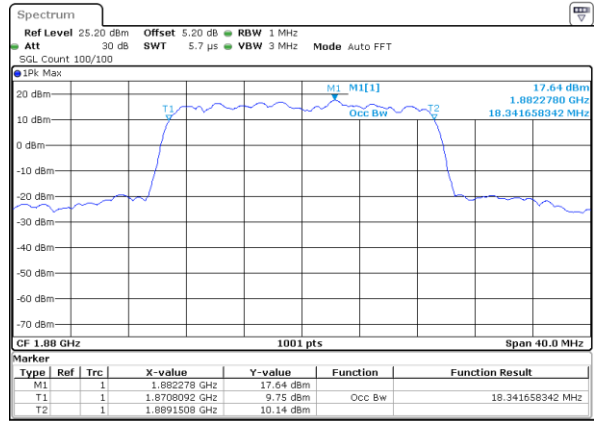
Date: 16 FEB 2019 18:30:50

Middle Channel / 20MHz / QPSK



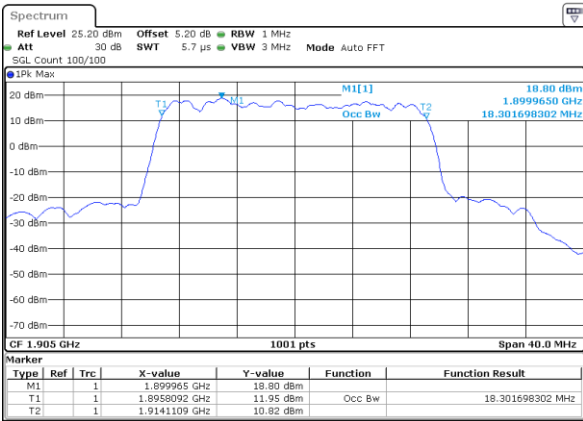
Date: 16 FEB 2019 18:37:50

Middle Channel / 20MHz / 16QAM



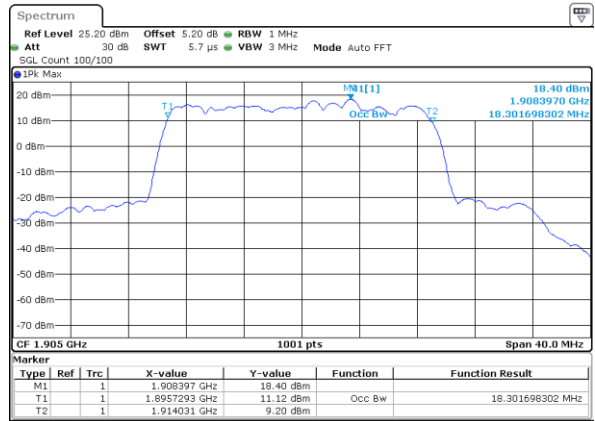
Date: 16 FEB 2019 18:37:29

Highest Channel / 20MHz / QPSK



Date: 16 FEB 2019 18:38:11

Highest Channel / 20MHz / 16QAM



Date: 16 FEB 2019 18:38:34