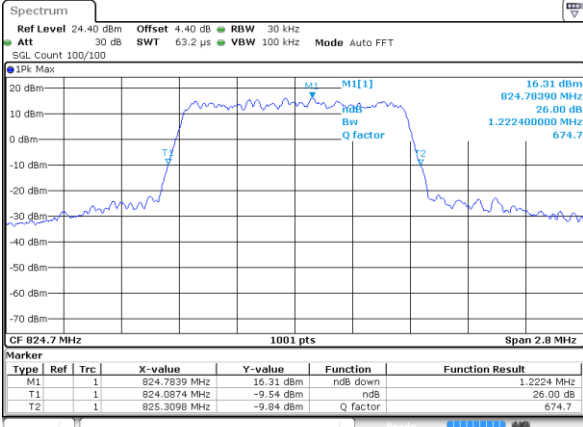




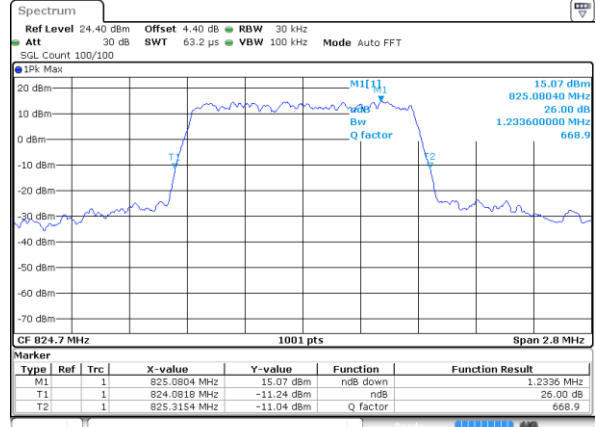
LTE Band 5

Lowest Channel / 1.4MHz / QPSK



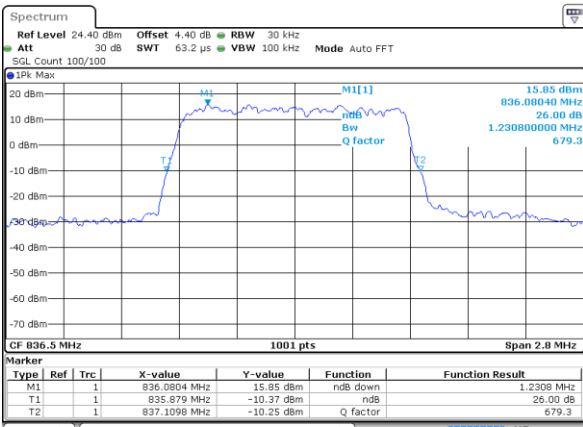
Date: 6 JAN 2018 11:35:27

Lowest Channel / 1.4MHz / 16QAM



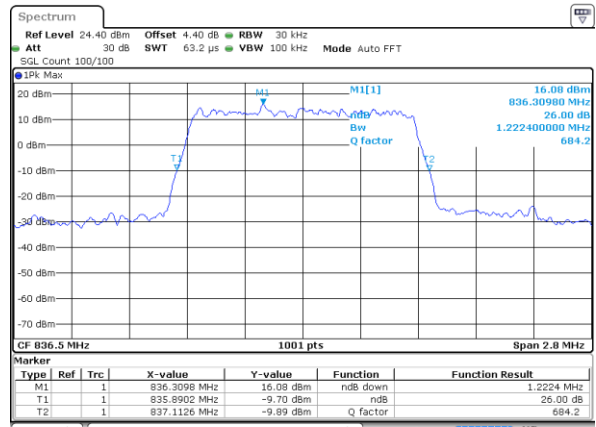
Date: 6 JAN 2018 11:35:17

Middle Channel / 1.4MHz / QPSK



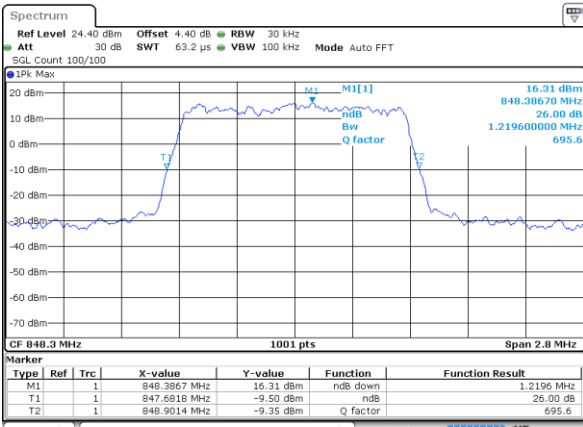
Date: 6 JAN 2018 11:44:22

Middle Channel / 1.4MHz / 16QAM



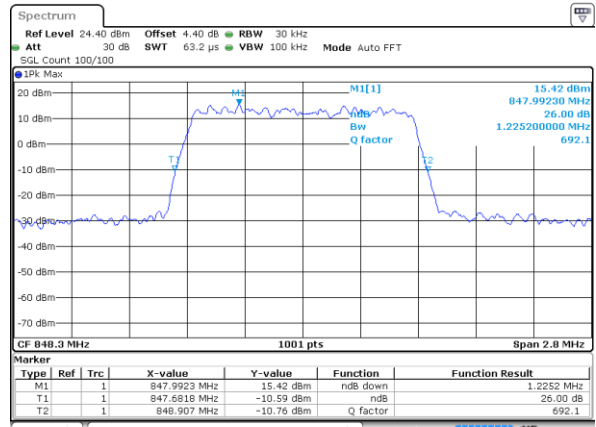
Date: 6 JAN 2018 11:44:32

Highest Channel / 1.4MHz / QPSK



Date: 6 JAN 2018 11:46:54

Highest Channel / 1.4MHz / 16QAM

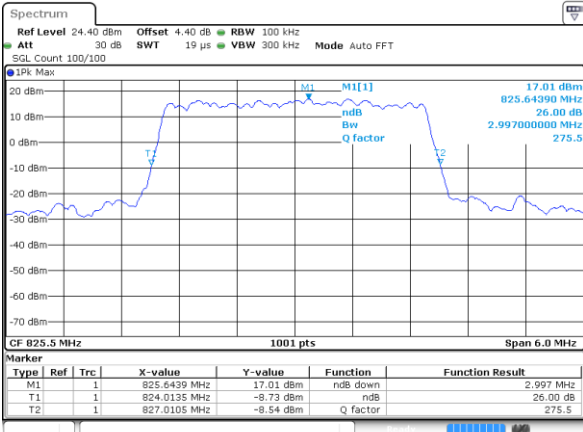


Date: 6 JAN 2018 11:47:05



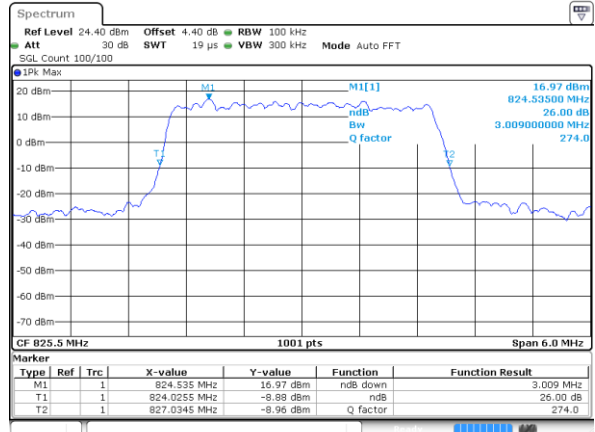
LTE Band 5

Lowest Channel / 3MHz / QPSK



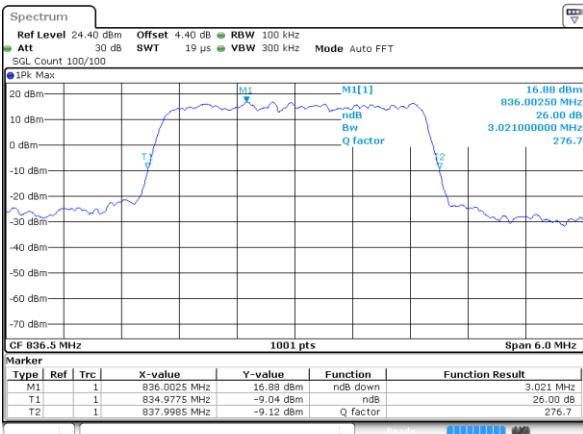
Date: 6 JAN 2018 11:56:00

Lowest Channel / 3MHz / 16QAM



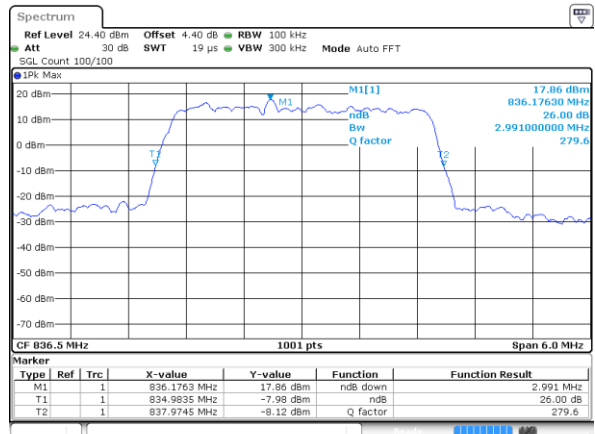
Date: 6 JAN 2018 11:56:11

Middle Channel / 3MHz / QPSK



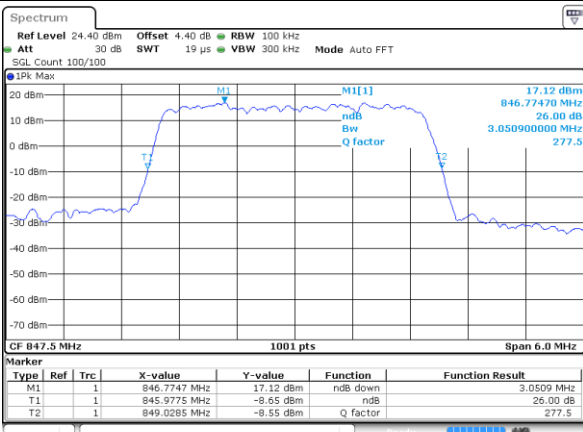
Date: 6 JAN 2018 12:05:05

Middle Channel / 3MHz / 16QAM



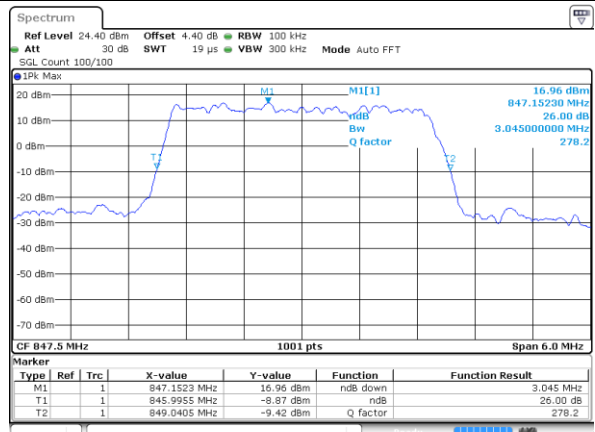
Date: 6 JAN 2018 12:05:16

Highest Channel / 3MHz / QPSK



Date: 6 JAN 2018 12:07:39

Highest Channel / 3MHz / 16QAM

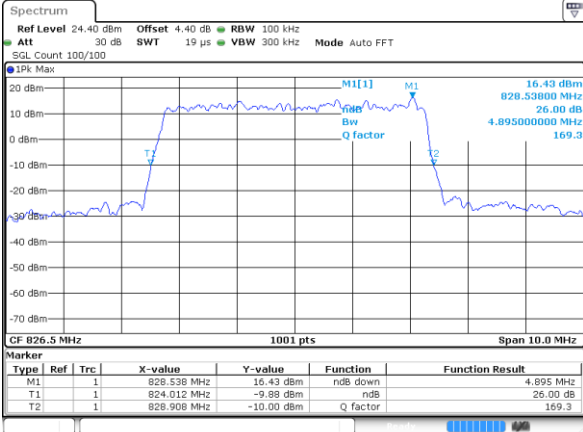


Date: 6 JAN 2018 12:07:49



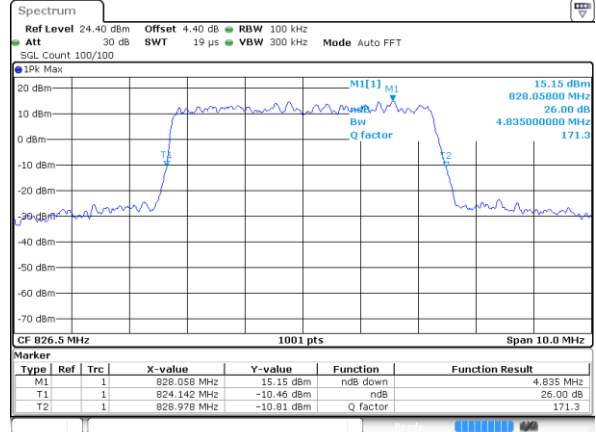
LTE Band 5

Lowest Channel / 5MHz / QPSK



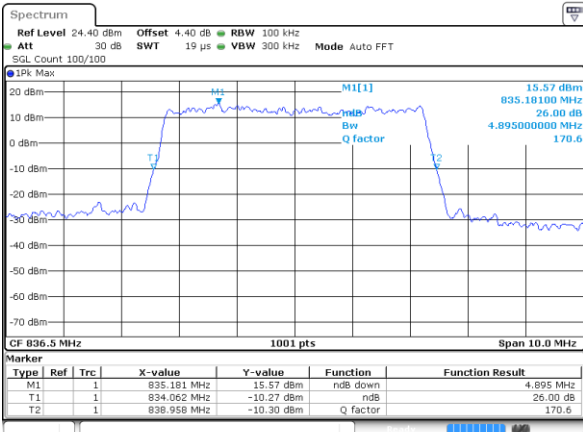
Date: 6 JAN 2018 12:16:44

Lowest Channel / 5MHz / 16QAM



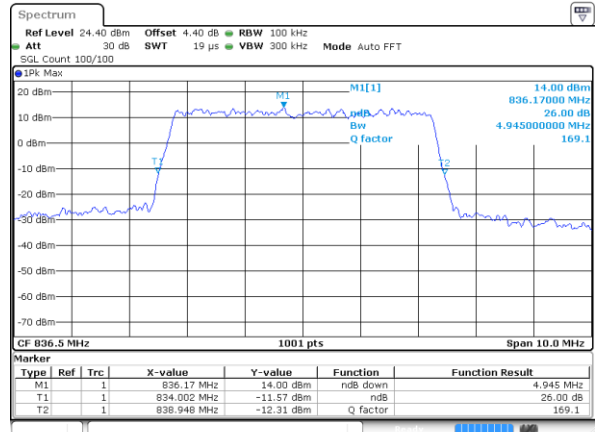
Date: 6 JAN 2018 12:16:54

Middle Channel / 5MHz / QPSK



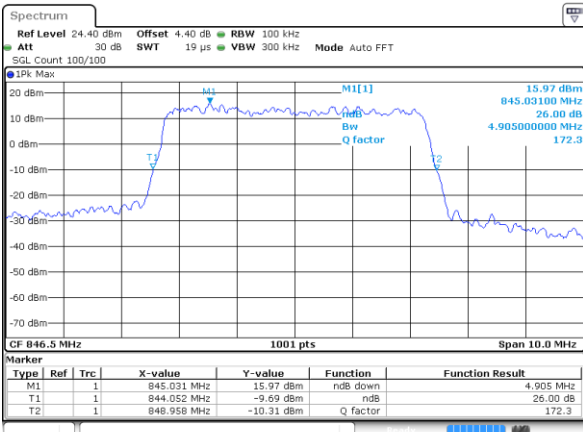
Date: 6 JAN 2018 12:25:49

Middle Channel / 5MHz / 16QAM



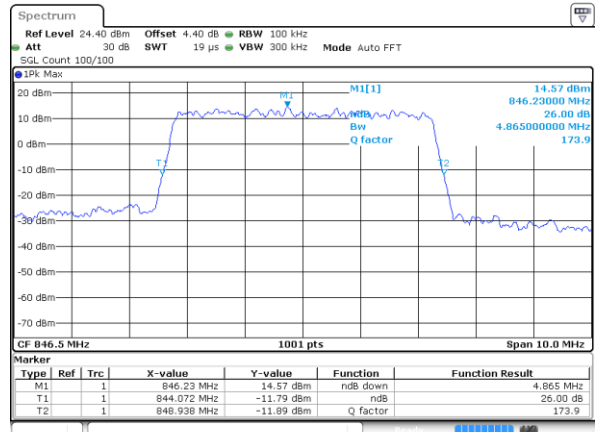
Date: 6 JAN 2018 12:26:00

Highest Channel / 5MHz / QPSK



Date: 6 JAN 2018 12:28:22

Highest Channel / 5MHz / 16QAM

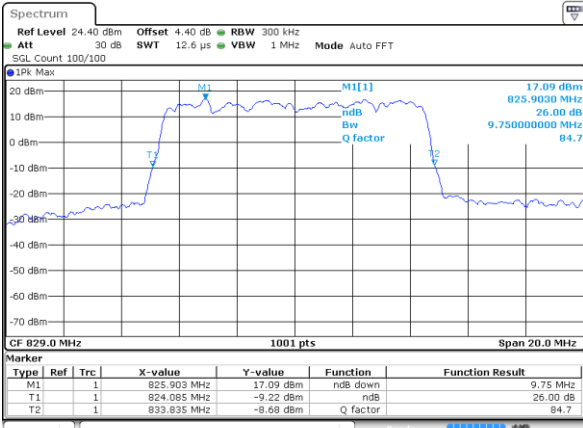


Date: 6 JAN 2018 12:28:32



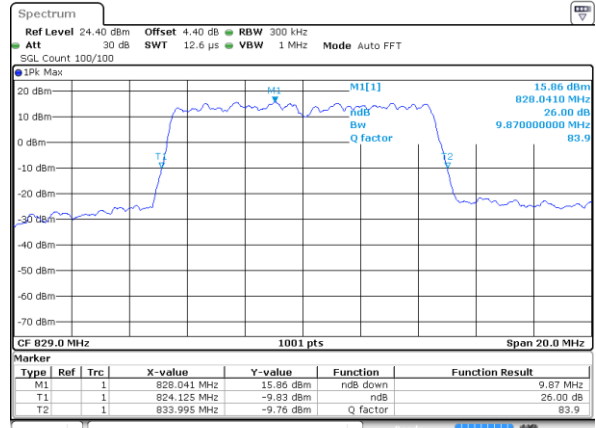
LTE Band 5

Lowest Channel / 10MHz / QPSK



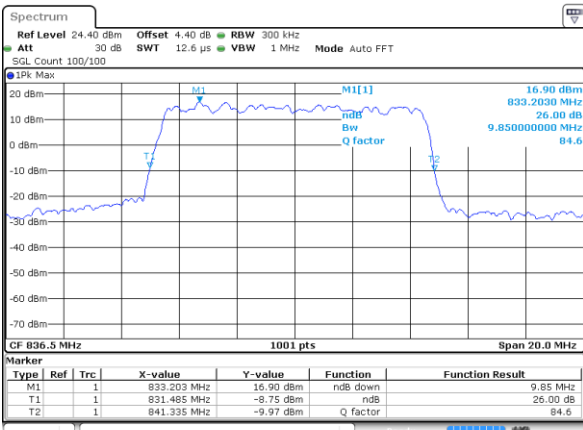
Date: 6 JAN 2018 12:37:27

Lowest Channel / 10MHz / 16QAM



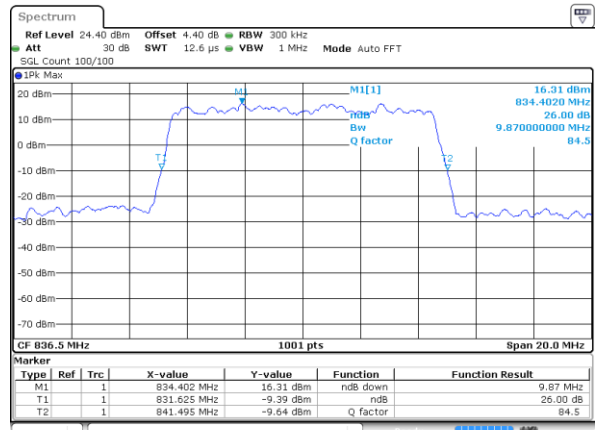
Date: 6 JAN 2018 12:37:38

Middle Channel / 10MHz / QPSK



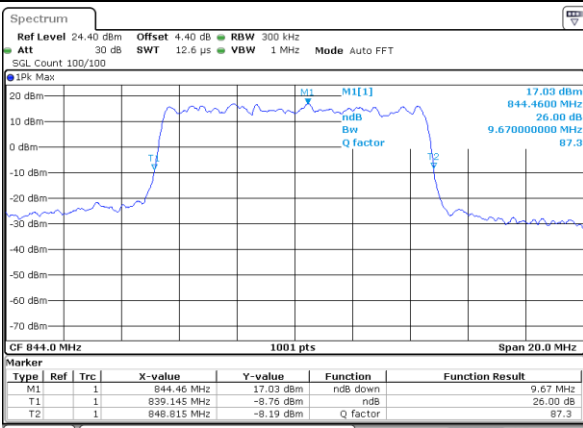
Date: 6 JAN 2018 12:46:33

Middle Channel / 10MHz / 16QAM



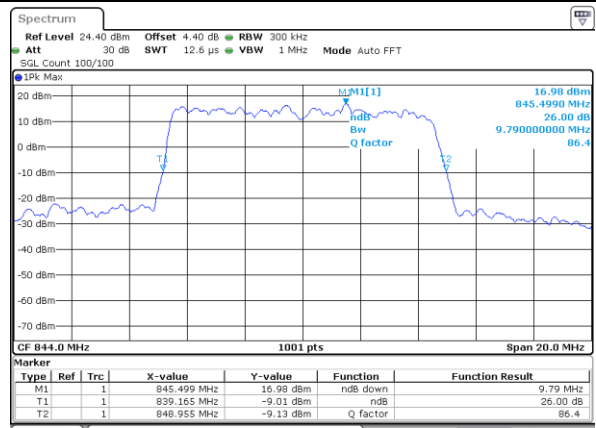
Date: 6 JAN 2018 12:46:43

Highest Channel / 10MHz / QPSK



Date: 6 JAN 2018 12:49:05

Highest Channel / 10MHz / 16QAM

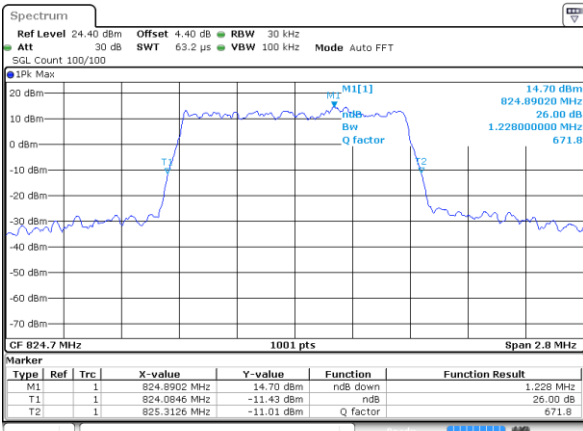


Date: 6 JAN 2018 12:49:16



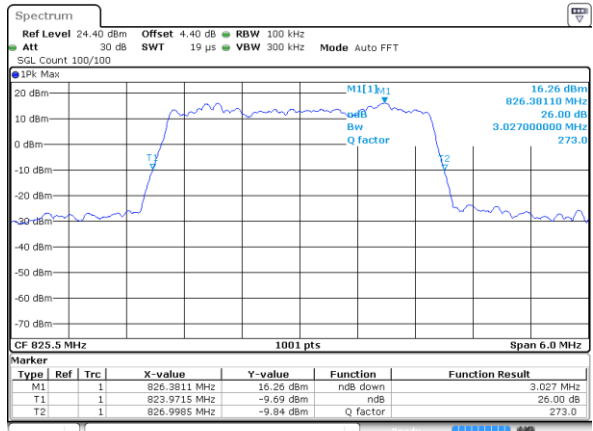
LTE Band 5

Lowest Channel / 1.4MHz / 64QAM



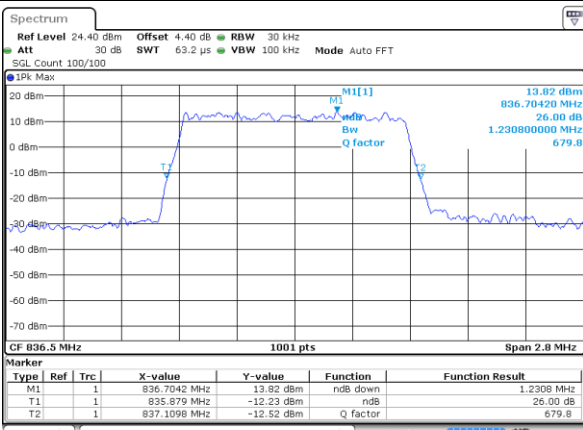
Date: 6 JAN 2018 13:18:02

Lowest Channel / 3MHz / 64QAM



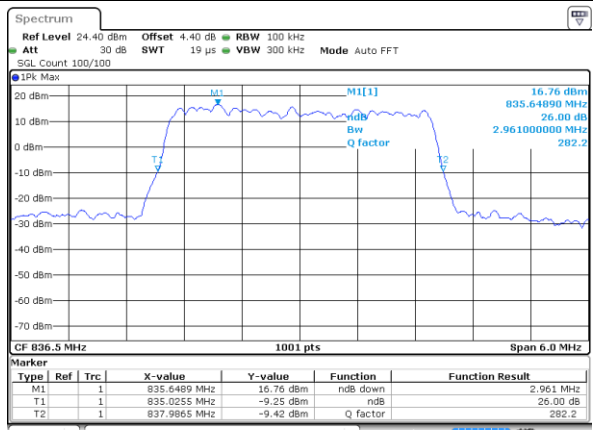
Date: 6 JAN 2018 13:19:06

Middle Channel / 1.4MHz / 64QAM



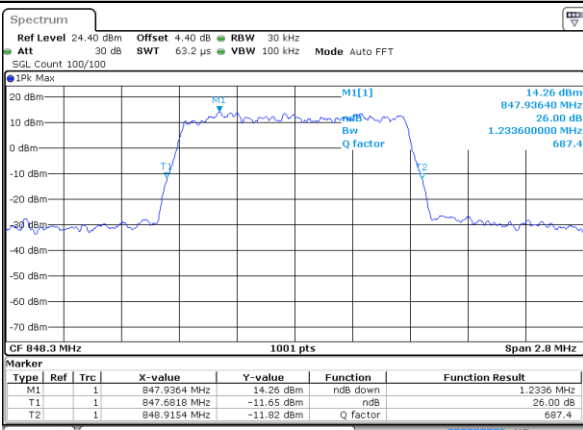
Date: 6 JAN 2018 13:18:23

Middle Channel / 3MHz / 64QAM



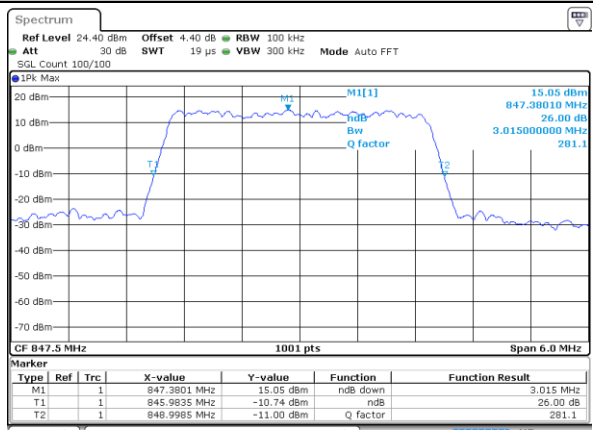
Date: 6 JAN 2018 13:19:27

Highest Channel / 1.4MHz / 64QAM



Date: 6 JAN 2018 13:18:45

Highest Channel / 3MHz / 64QAM

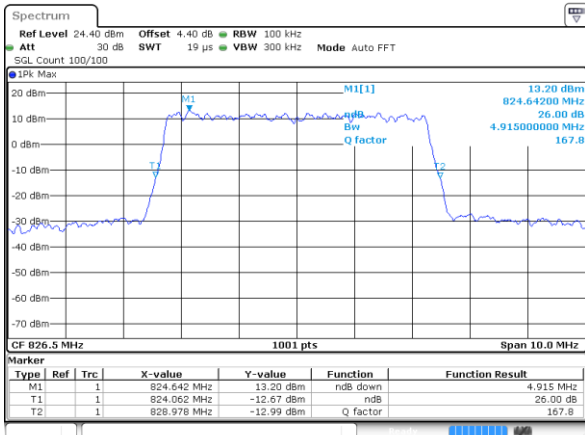


Date: 6 JAN 2018 13:19:48



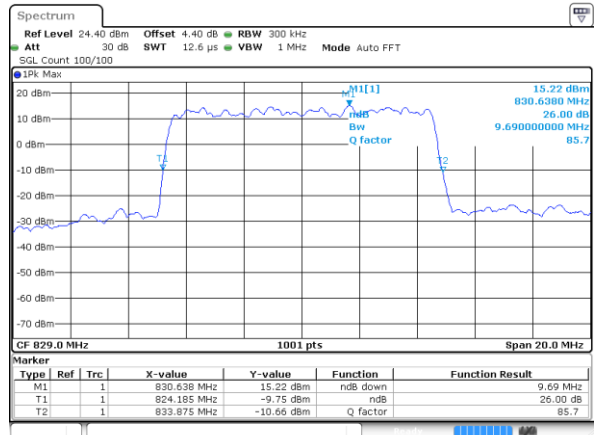
LTE Band 5

Lowest Channel / 5MHz / 64QAM



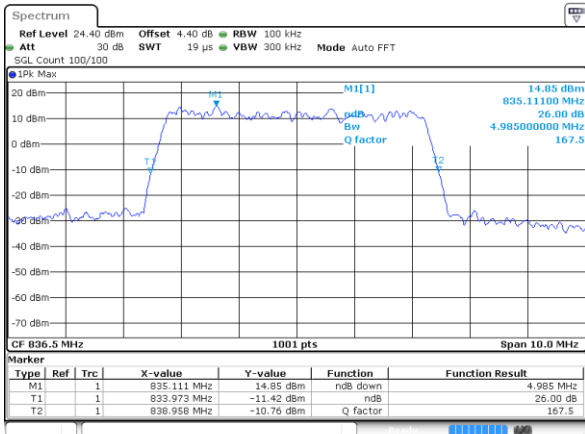
Date: 6 JAN 2018 13:20:10

Lowest Channel / 10MHz / 64QAM



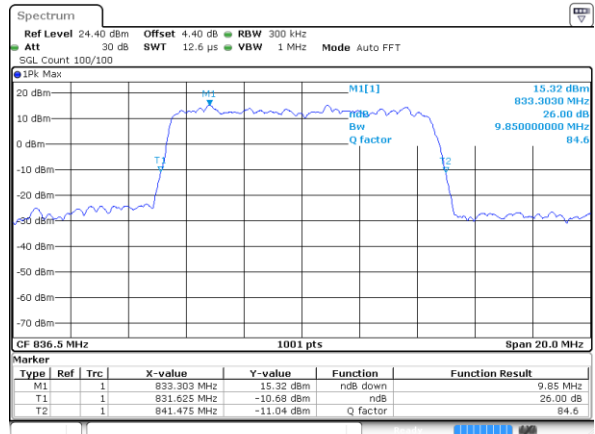
Date: 6 JAN 2018 13:21:13

Middle Channel / 5MHz / 64QAM



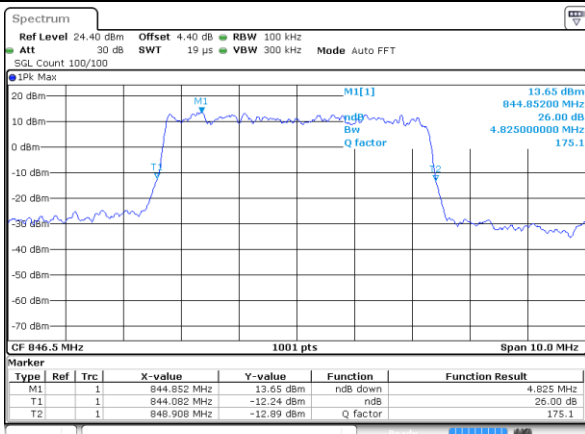
Date: 6 JAN 2018 13:20:31

Middle Channel / 10MHz / 64QAM



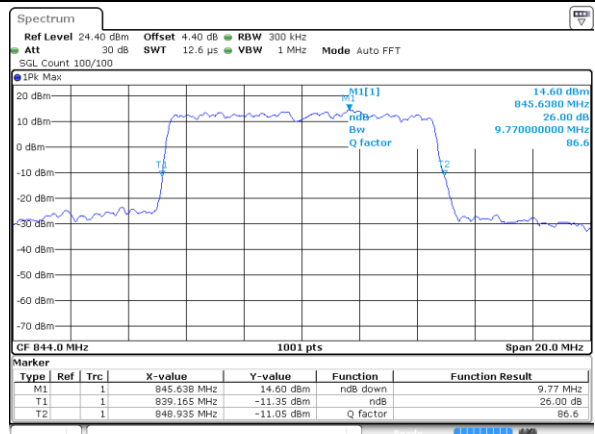
Date: 6 JAN 2018 13:21:34

Highest Channel / 5MHz / 64QAM



Date: 6 JAN 2018 13:20:52

Highest Channel / 10MHz / 64QAM

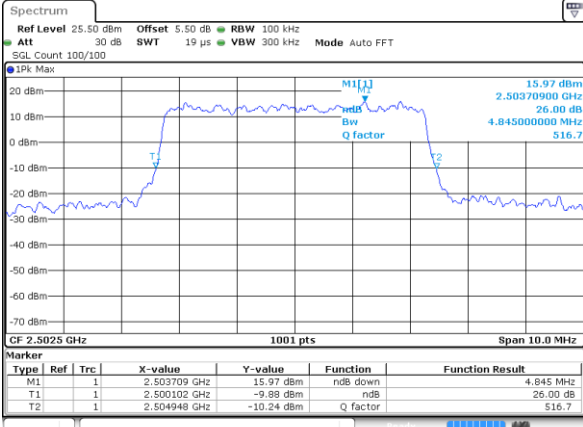


Date: 6 JAN 2018 13:21:55



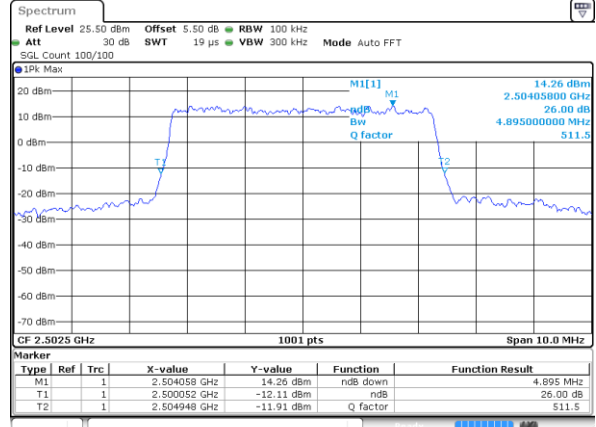
LTE Band 7

Lowest Channel / 5MHz / QPSK



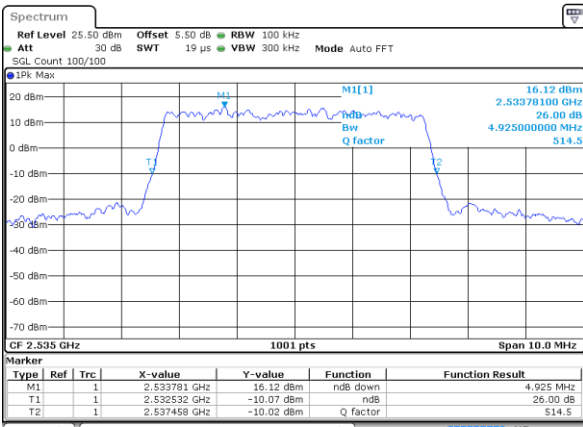
Date: 6 JAN 2018 09:11:06

Lowest Channel / 5MHz / 16QAM



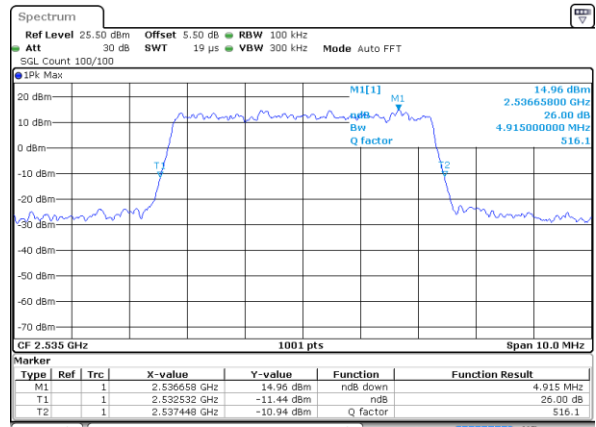
Date: 6 JAN 2018 09:11:27

Middle Channel / 5MHz / QPSK



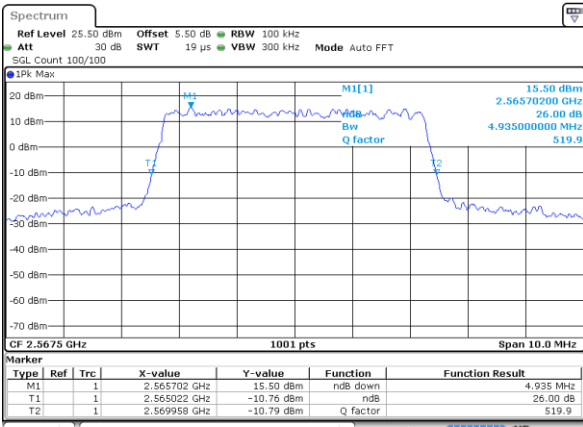
Date: 6 JAN 2018 09:12:09

Middle Channel / 5MHz / 16QAM



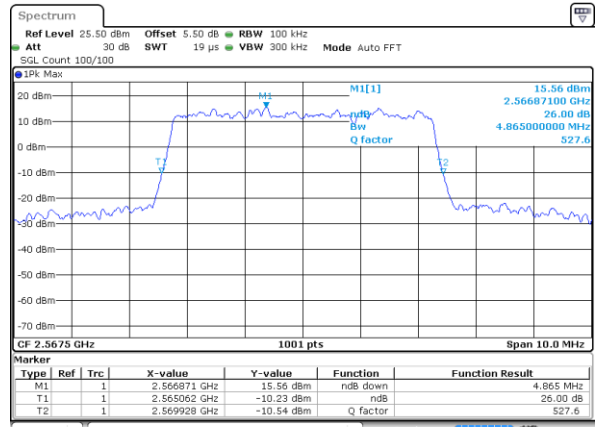
Date: 6 JAN 2018 09:11:48

Highest Channel / 5MHz / QPSK



Date: 6 JAN 2018 09:12:31

Highest Channel / 5MHz / 16QAM

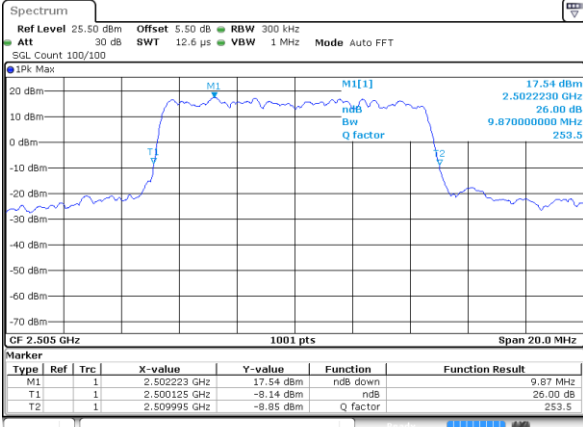


Date: 6 JAN 2018 09:12:53



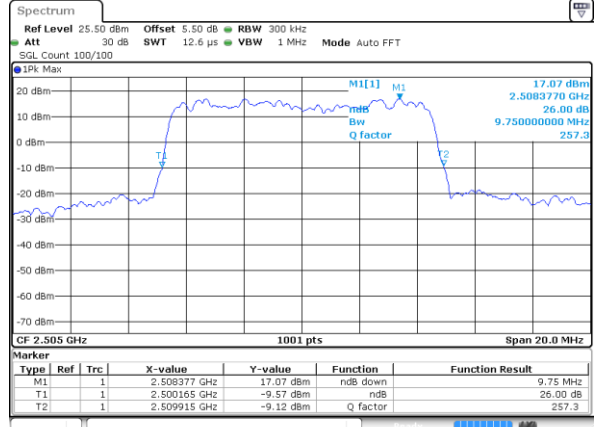
LTE Band 7

Lowest Channel / 10MHz / QPSK



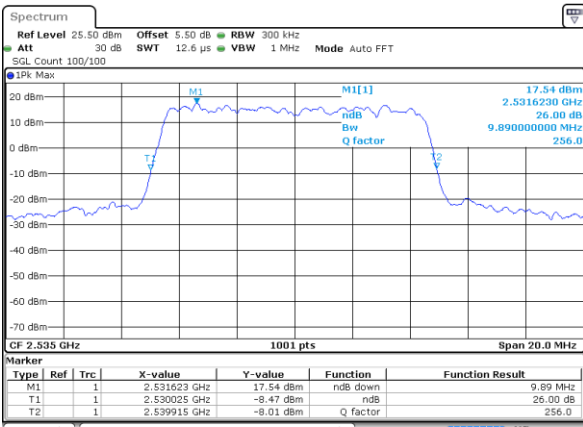
Date: 6 JAN 2018 09:27:52

Lowest Channel / 10MHz / 16QAM



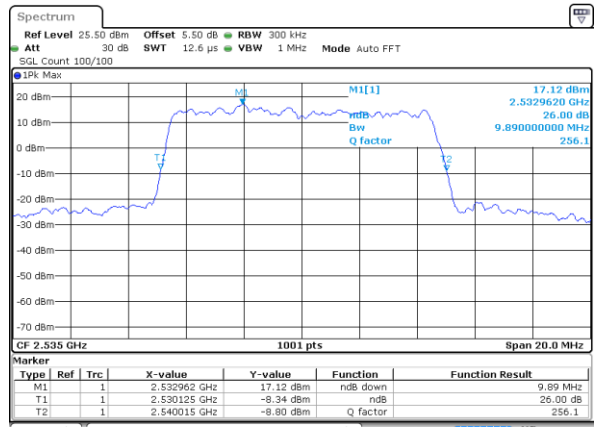
Date: 6 JAN 2018 09:28:13

Middle Channel / 10MHz / QPSK



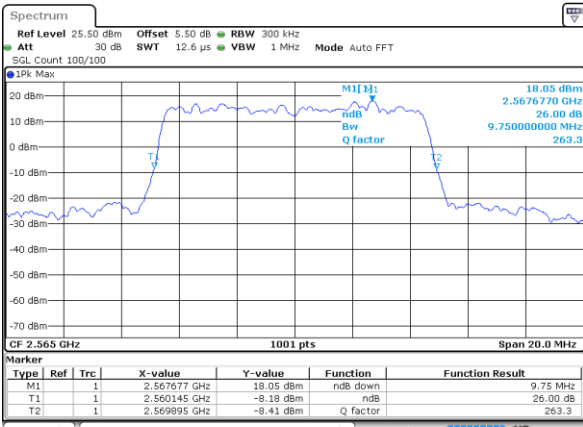
Date: 6 JAN 2018 09:28:56

Middle Channel / 10MHz / 16QAM



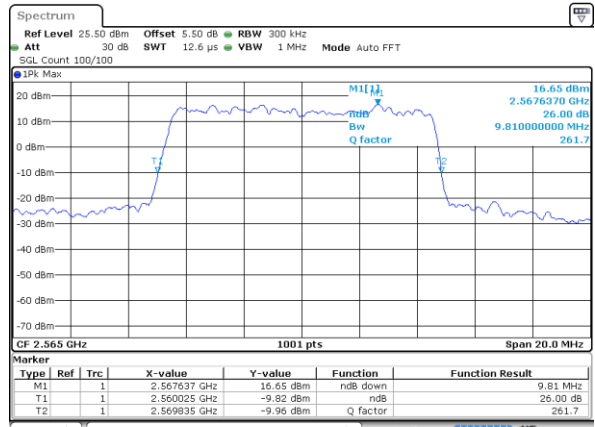
Date: 6 JAN 2018 09:28:35

Highest Channel / 10MHz / QPSK



Date: 6 JAN 2018 09:29:17

Highest Channel / 10MHz / 16QAM

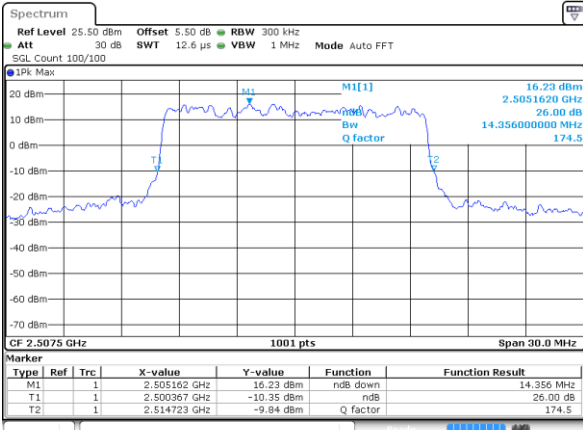


Date: 6 JAN 2018 09:29:38



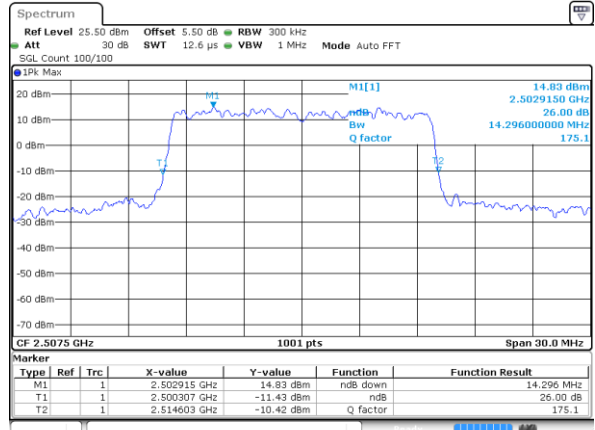
LTE Band 7

Lowest Channel / 15MHz / QPSK



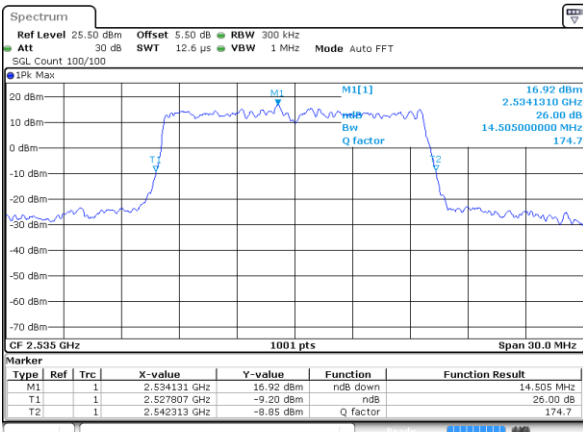
Date: 6 JAN 2018 09:44:56

Lowest Channel / 15MHz / 16QAM



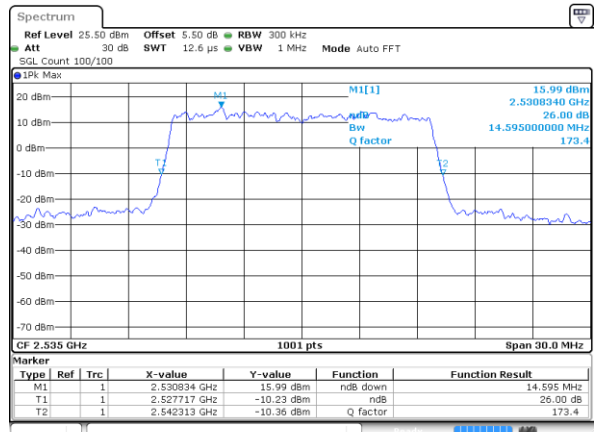
Date: 6 JAN 2018 09:44:35

Middle Channel / 15MHz / QPSK



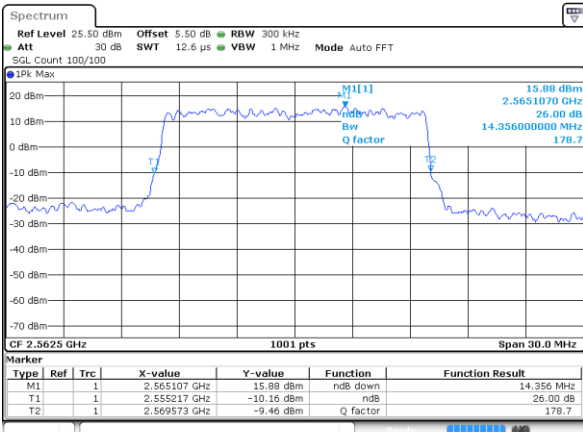
Date: 6 JAN 2018 09:45:18

Middle Channel / 15MHz / 16QAM



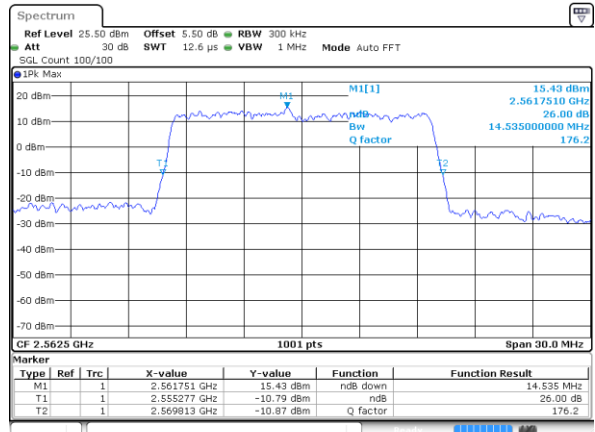
Date: 6 JAN 2018 09:45:39

Highest Channel / 15MHz / QPSK



Date: 6 JAN 2018 09:46:21

Highest Channel / 15MHz / 16QAM

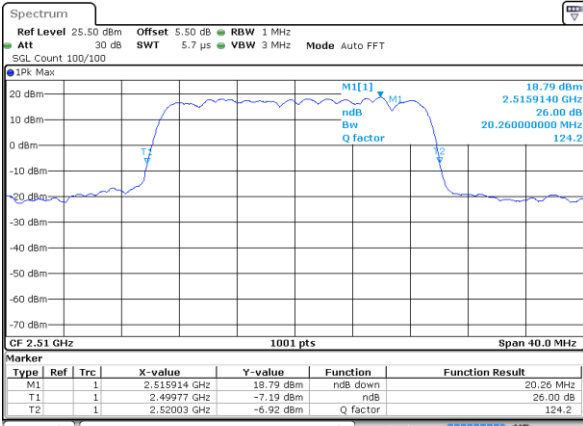


Date: 6 JAN 2018 09:46:00



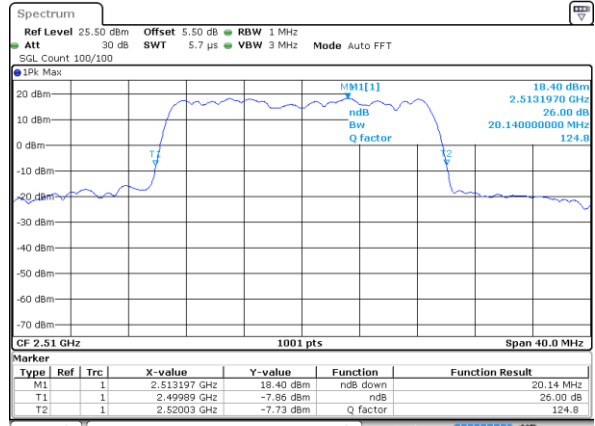
LTE Band 7

Lowest Channel / 20MHz / QPSK



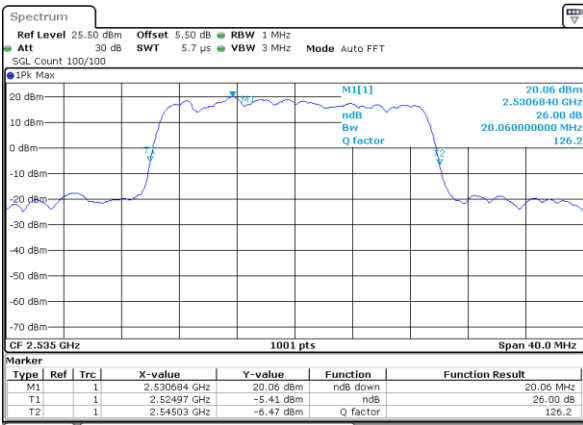
Date: 6 JAN 2018 10:01:40

Lowest Channel / 20MHz / 16QAM



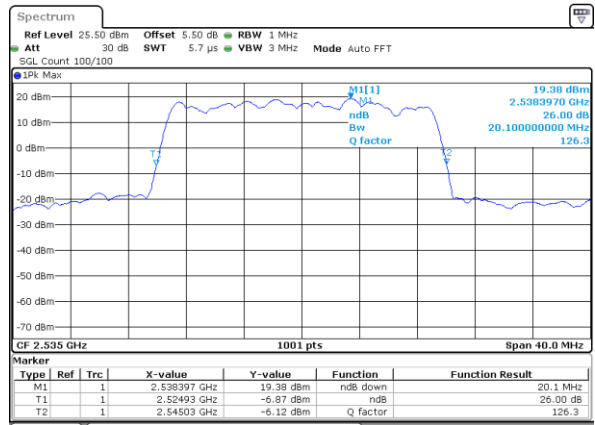
Date: 6 JAN 2018 10:01:19

Middle Channel / 20MHz / QPSK



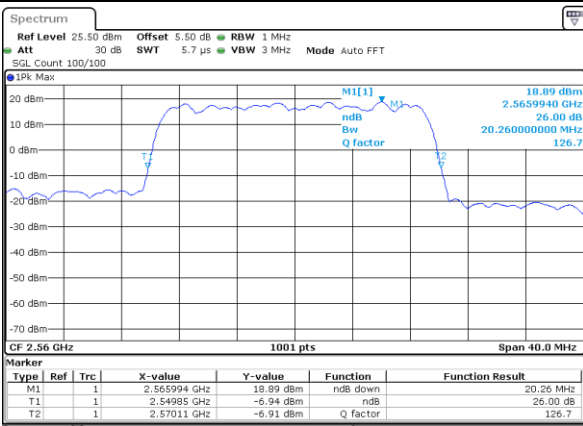
Date: 6 JAN 2018 10:02:01

Middle Channel / 20MHz / 16QAM



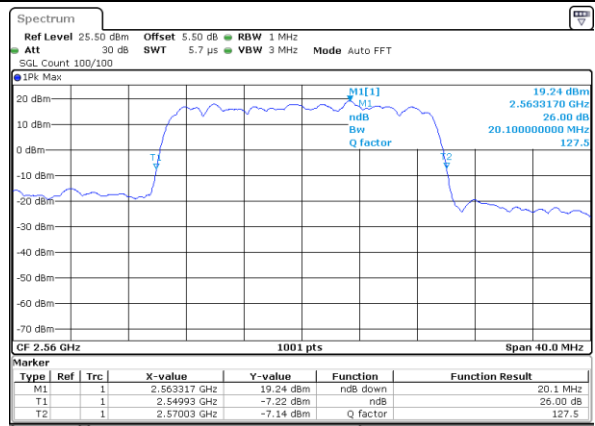
Date: 6 JAN 2018 10:02:22

Highest Channel / 20MHz / QPSK



Date: 6 JAN 2018 10:03:04

Highest Channel / 20MHz / 16QAM

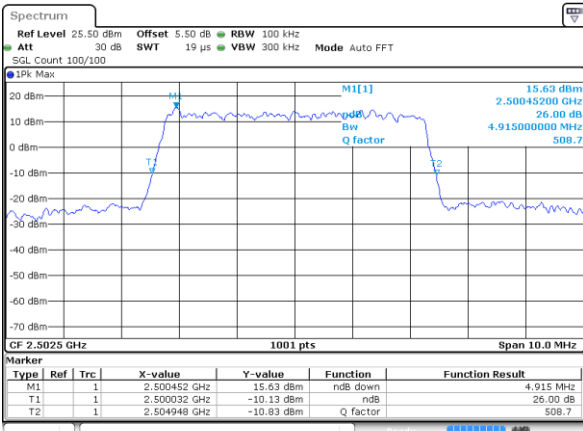


Date: 6 JAN 2018 10:02:43



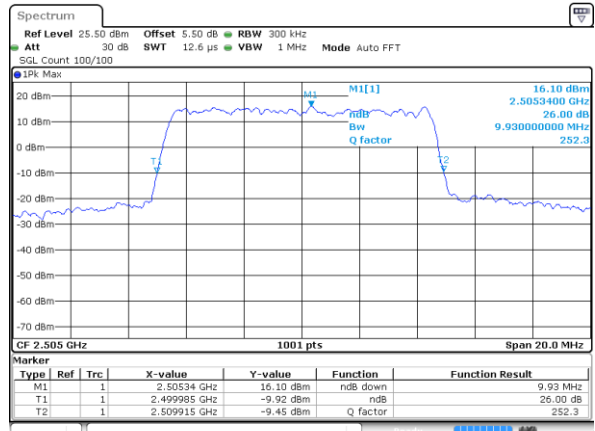
LTE Band 7

Lowest Channel / 5MHz / 64QAM



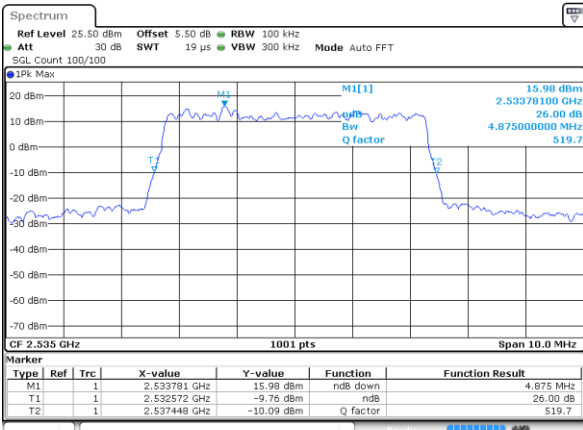
Date: 6 JAN 2018 10:28:18

Lowest Channel / 10MHz / 64QAM



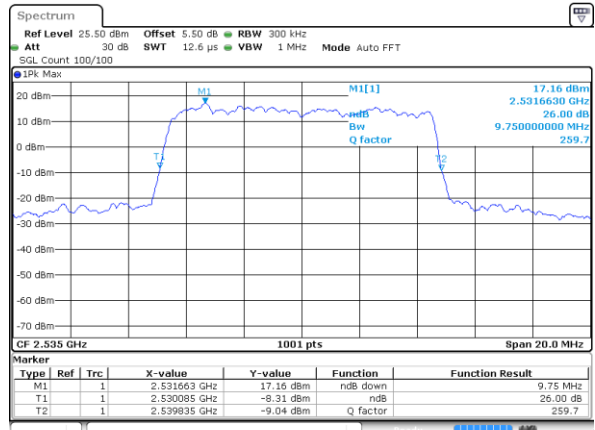
Date: 6 JAN 2018 10:29:24

Middle Channel / 5MHz / 64QAM



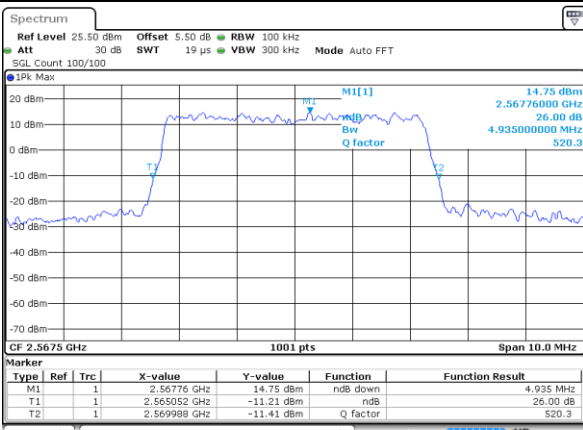
Date: 6 JAN 2018 10:28:40

Middle Channel / 10MHz / 64QAM



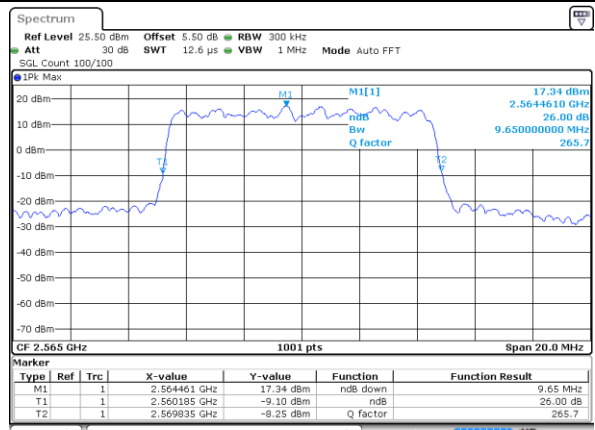
Date: 6 JAN 2018 10:29:45

Highest Channel / 5MHz / 64QAM



Date: 6 JAN 2018 10:29:02

Highest Channel / 10MHz / 64QAM

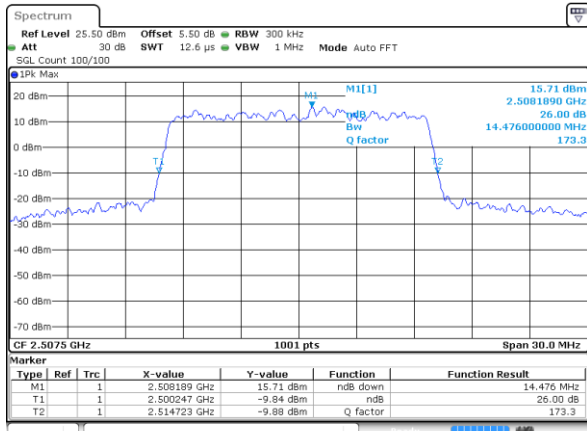


Date: 6 JAN 2018 10:30:06



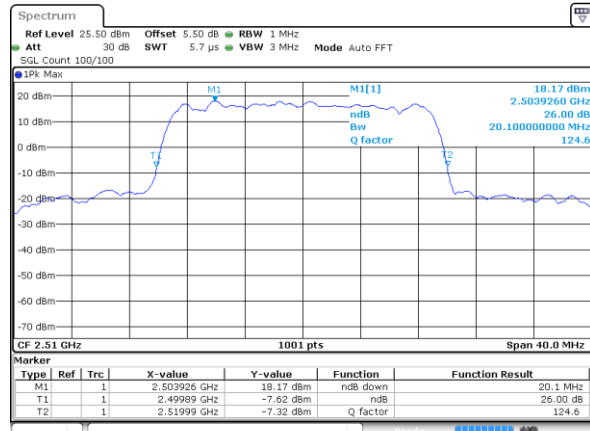
LTE Band 7

Lowest Channel / 15MHz / 64QAM



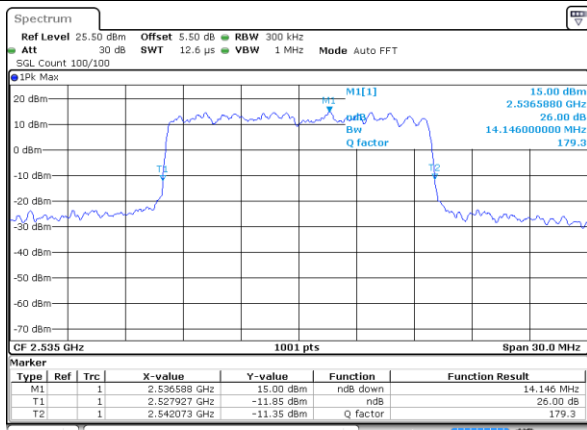
Date: 6 JAN 2018 10:30:28

Lowest Channel / 20MHz / 64QAM



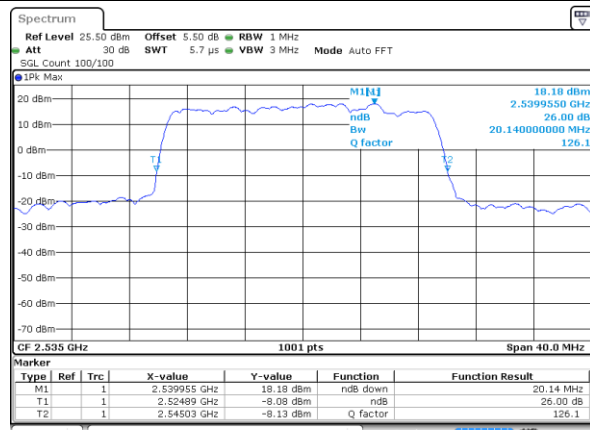
Date: 6 JAN 2018 10:31:33

Middle Channel / 15MHz / 64QAM



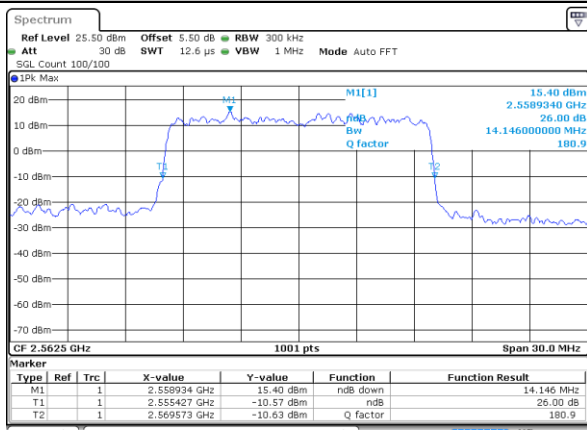
Date: 6 JAN 2018 10:30:50

Middle Channel / 20MHz / 64QAM



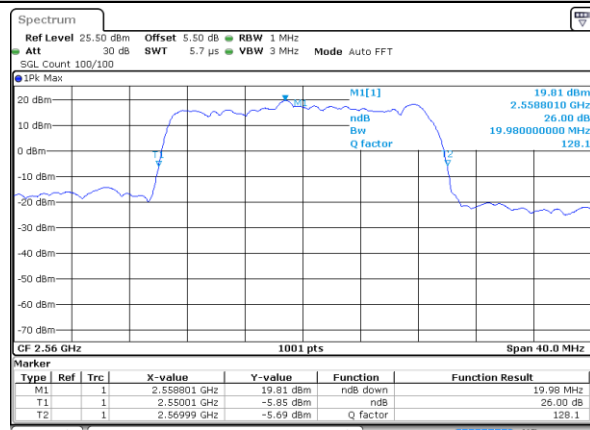
Date: 6 JAN 2018 10:31:54

Highest Channel / 15MHz / 64QAM



Date: 6 JAN 2018 10:31:11

Highest Channel / 20MHz / 64QAM

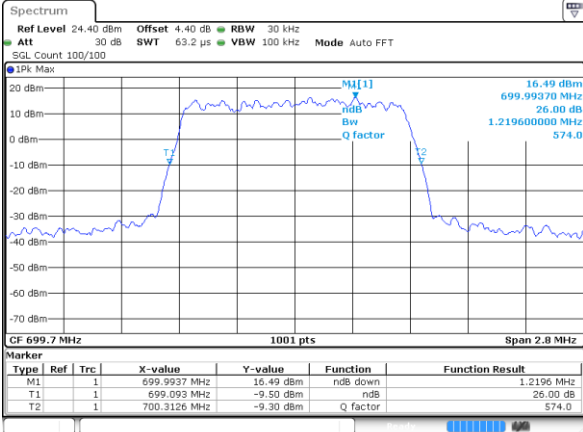


Date: 6 JAN 2018 10:32:15



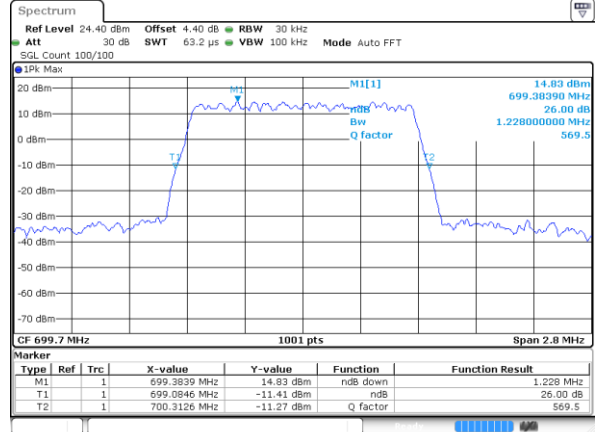
LTE Band 12

Lowest Channel / 1.4MHz / QPSK



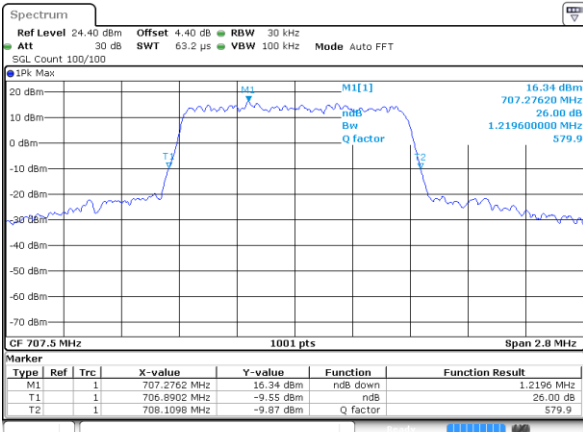
Date: 6 JAN 2018 14:15:47

Lowest Channel / 1.4MHz / 16QAM



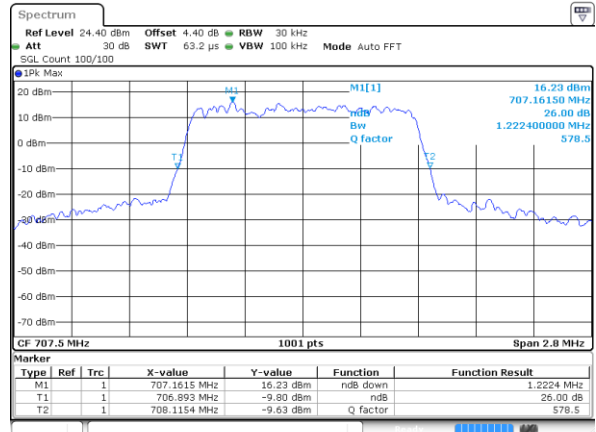
Date: 6 JAN 2018 14:15:36

Middle Channel / 1.4MHz / QPSK



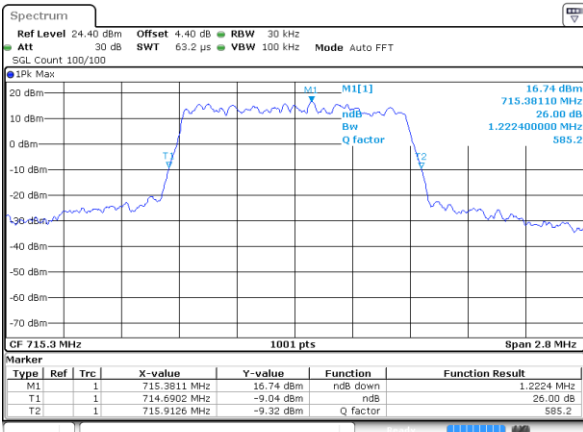
Date: 6 JAN 2018 14:15:15

Middle Channel / 1.4MHz / 16QAM



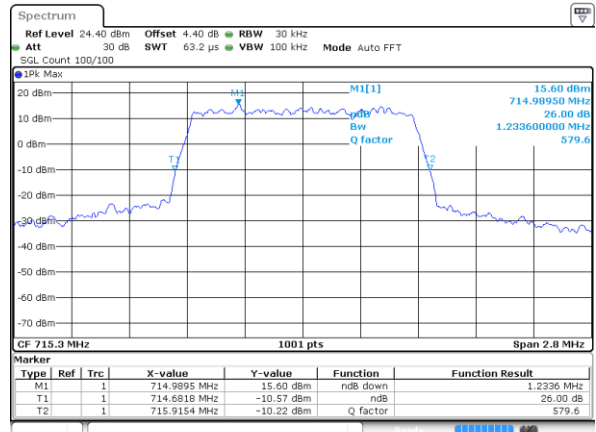
Date: 6 JAN 2018 14:15:25

Highest Channel / 1.4MHz / QPSK



Date: 6 JAN 2018 14:15:04

Highest Channel / 1.4MHz / 16QAM

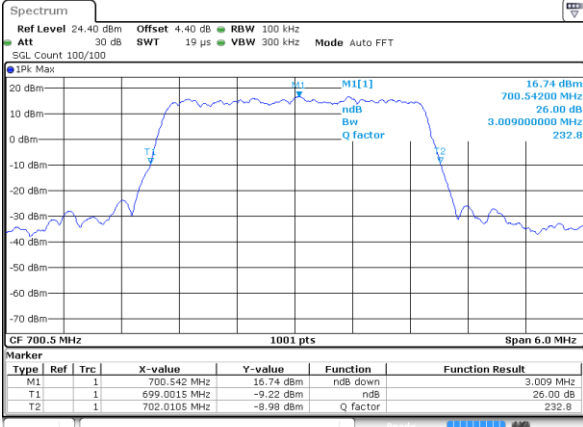


Date: 6 JAN 2018 14:14:53



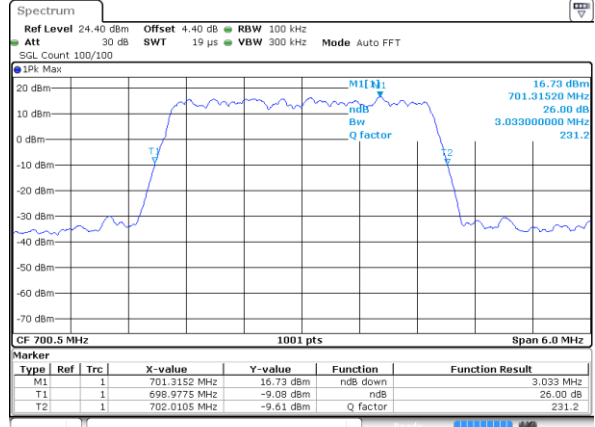
LTE Band 12

Lowest Channel / 3MHz / QPSK



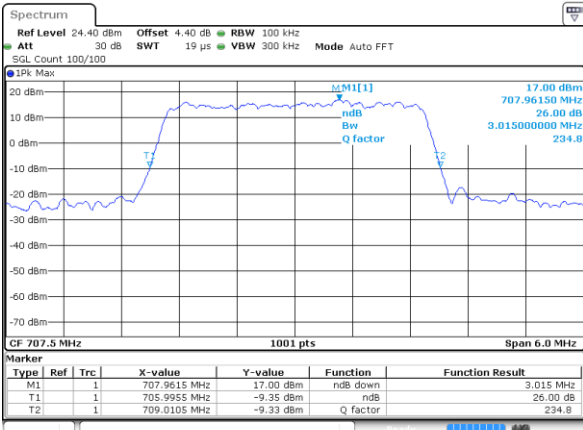
Date: 6 JAN 2018 14:32:19

Lowest Channel / 3MHz / 16QAM



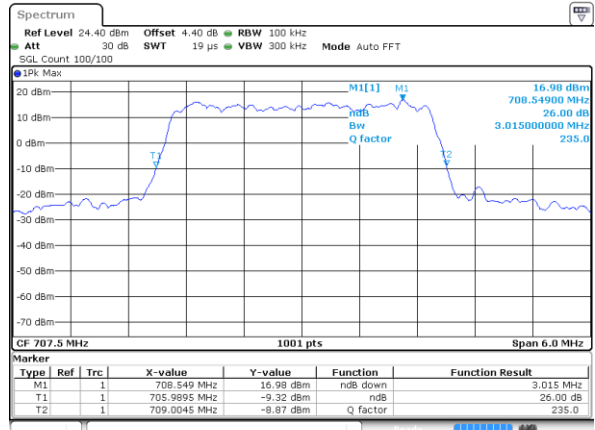
Date: 6 JAN 2018 14:32:19

Middle Channel / 3MHz / QPSK



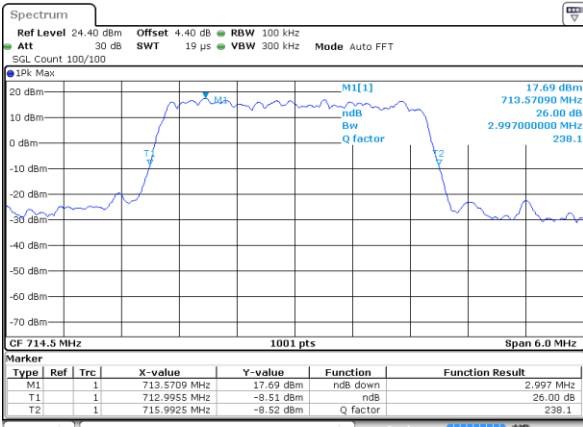
Date: 6 JAN 2018 14:31:58

Middle Channel / 3MHz / 16QAM



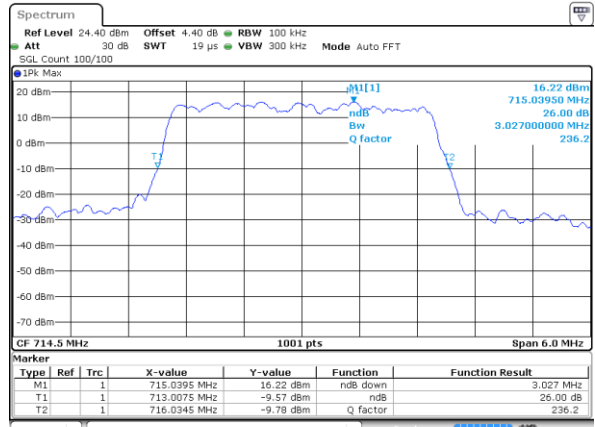
Date: 6 JAN 2018 14:32:08

Highest Channel / 3MHz / QPSK



Date: 6 JAN 2018 14:31:47

Highest Channel / 3MHz / 16QAM

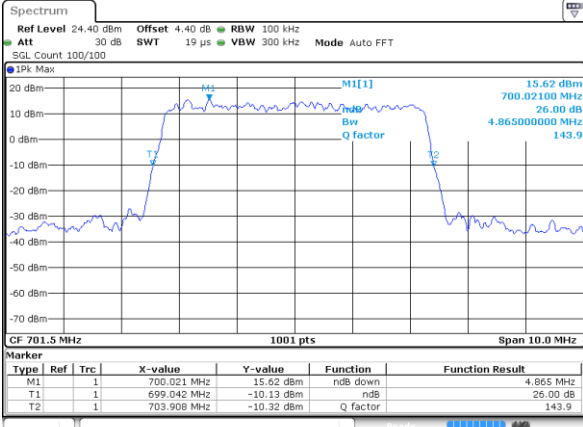


Date: 6 JAN 2018 14:31:37



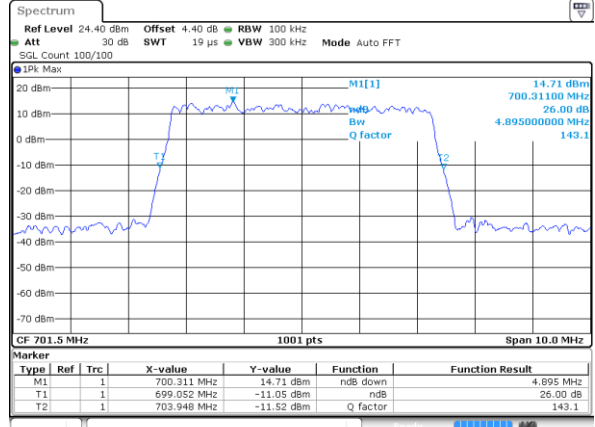
LTE Band 12

Lowest Channel / 5MHz / QPSK



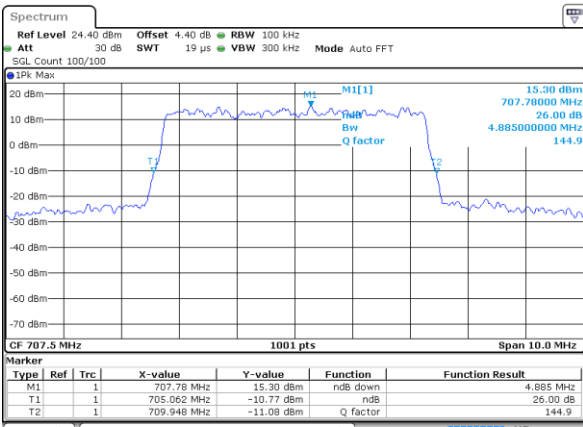
Date: 6 JAN 2018 14:49:13

Lowest Channel / 5MHz / 16QAM



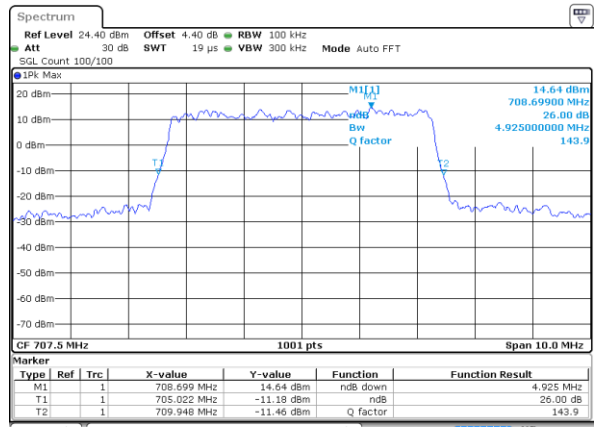
Date: 6 JAN 2018 14:49:02

Middle Channel / 5MHz / QPSK



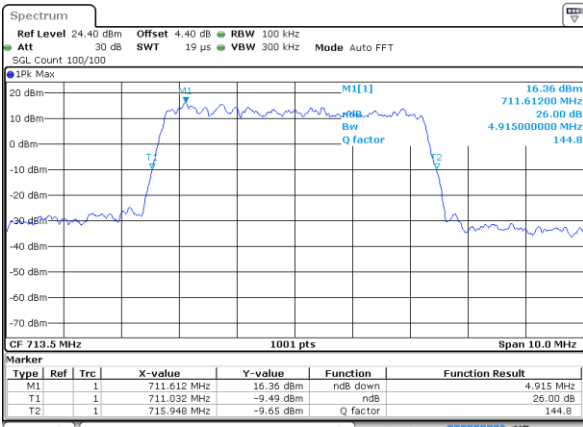
Date: 6 JAN 2018 14:48:41

Middle Channel / 5MHz / 16QAM



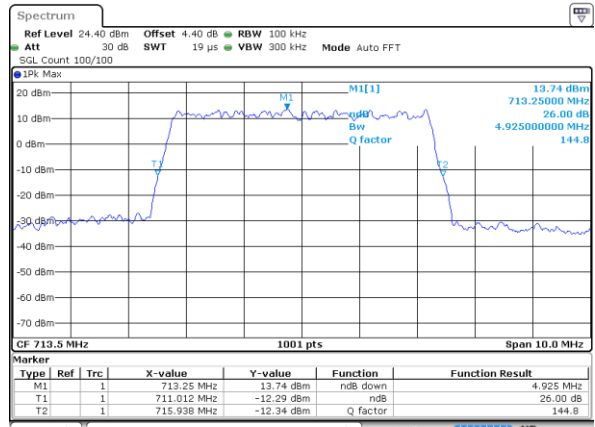
Date: 6 JAN 2018 14:48:51

Highest Channel / 5MHz / QPSK



Date: 6 JAN 2018 14:48:30

Highest Channel / 5MHz / 16QAM

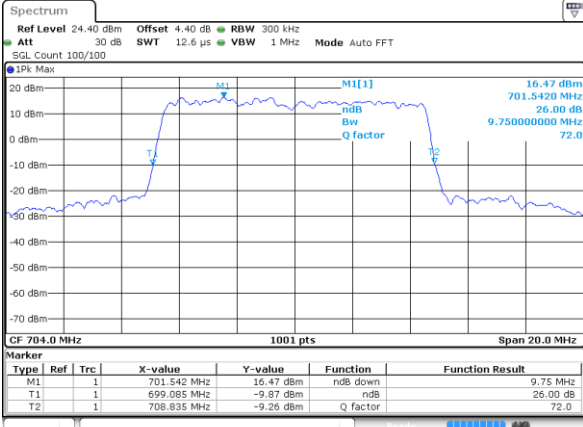


Date: 6 JAN 2018 14:48:20



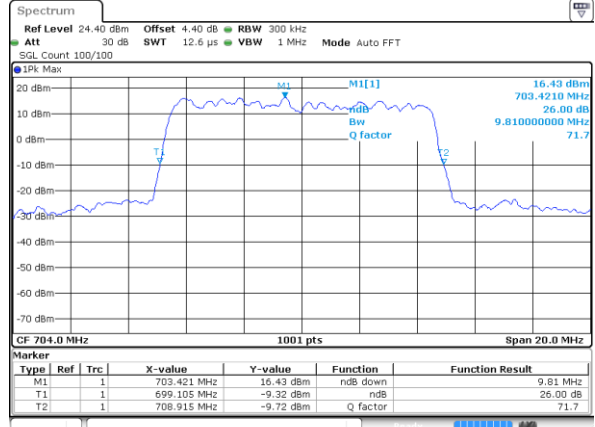
LTE Band 12

Lowest Channel / 10MHz / QPSK



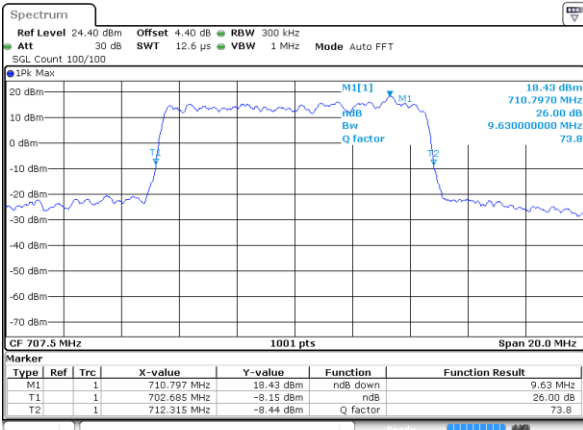
Date: 6 JAN 2018 15:05:55

Lowest Channel / 10MHz / 16QAM



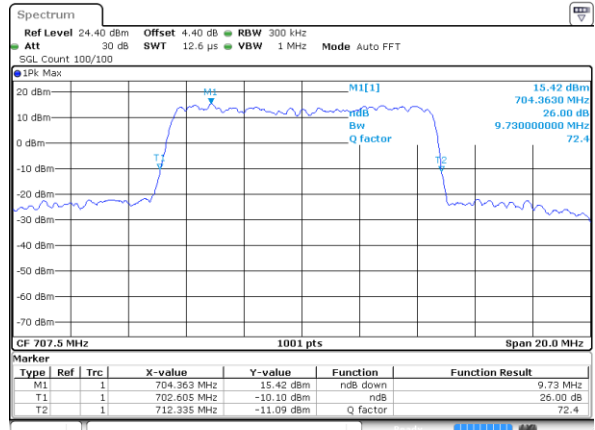
Date: 6 JAN 2018 15:05:45

Middle Channel / 10MHz / QPSK



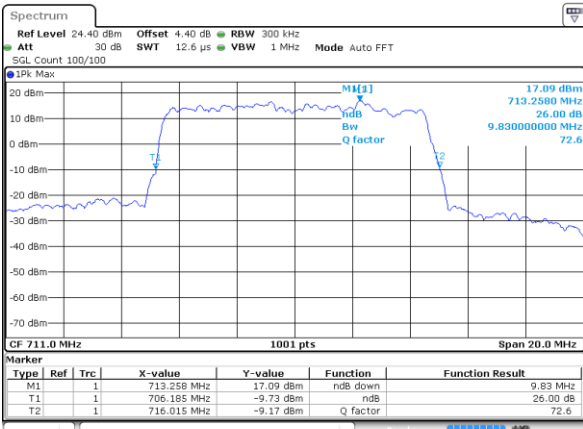
Date: 6 JAN 2018 15:05:24

Middle Channel / 10MHz / 16QAM



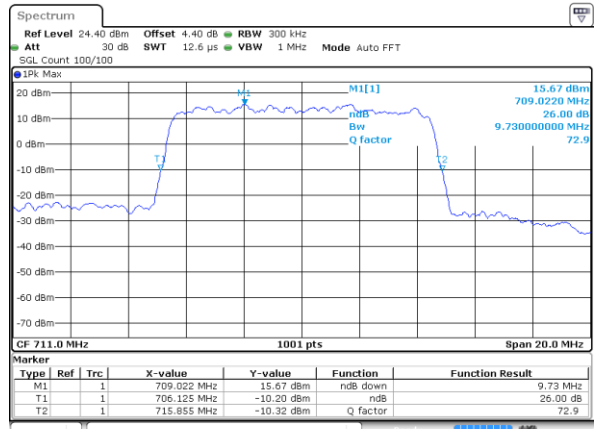
Date: 6 JAN 2018 15:05:34

Highest Channel / 10MHz / QPSK



Date: 6 JAN 2018 15:05:13

Highest Channel / 10MHz / 16QAM

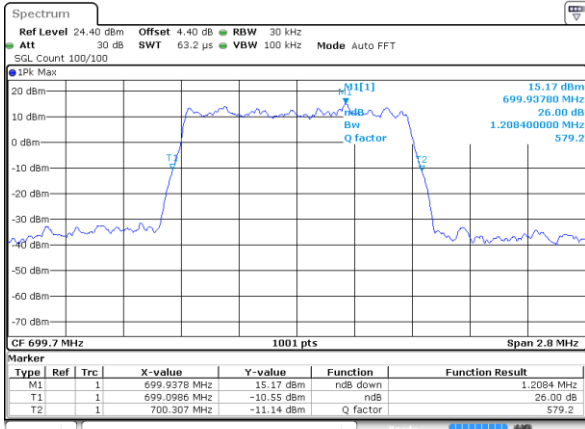


Date: 6 JAN 2018 15:05:02



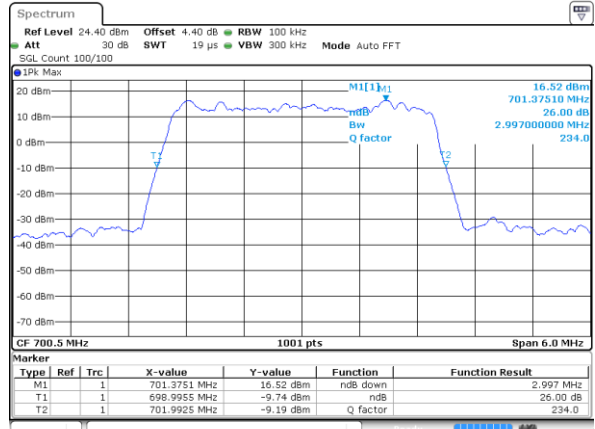
LTE Band 12

Lowest Channel / 1.4MHz / 64QAM



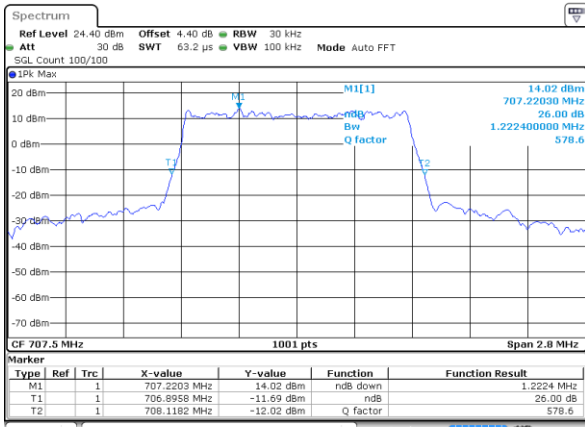
Date: 6 JAN 2018 16:07:26

Lowest Channel / 3MHz / 64QAM



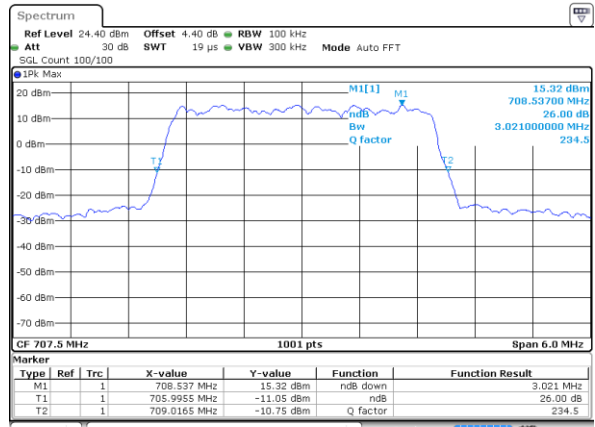
Date: 6 JAN 2018 16:08:29

Middle Channel / 1.4MHz / 64QAM



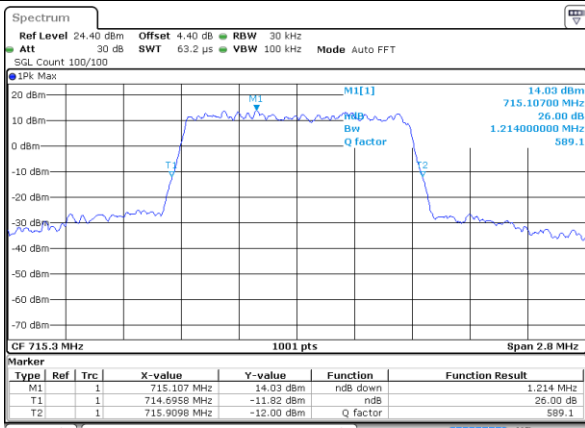
Date: 6 JAN 2018 16:07:47

Middle Channel / 3MHz / 64QAM



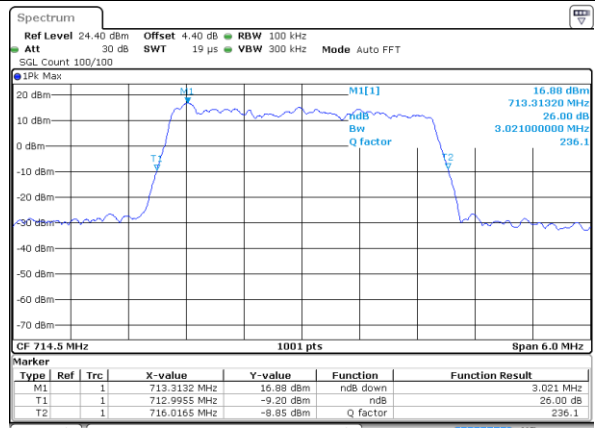
Date: 6 JAN 2018 16:08:50

Highest Channel / 1.4MHz / 64QAM



Date: 6 JAN 2018 16:08:08

Highest Channel / 3MHz / 64QAM

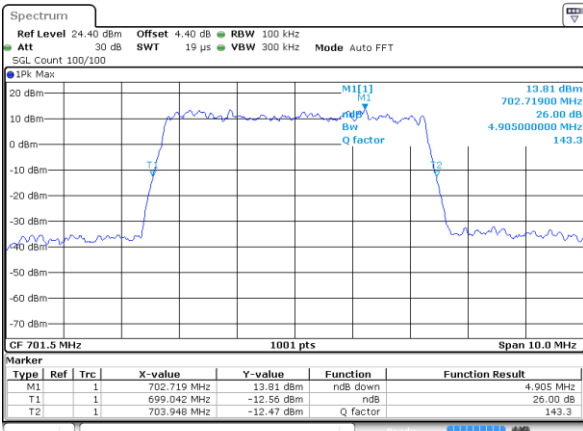


Date: 6 JAN 2018 16:09:12



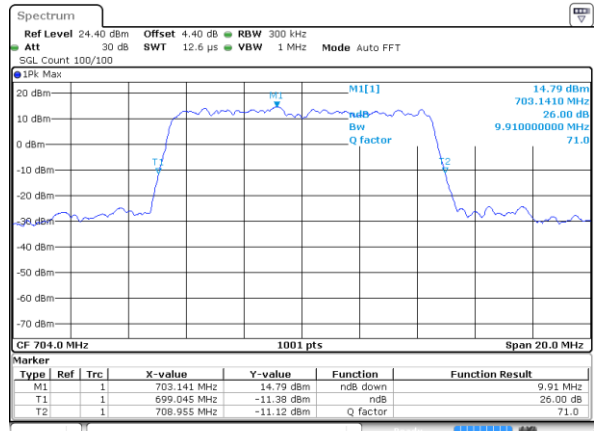
LTE Band 12

Lowest Channel / 5MHz / 64QAM



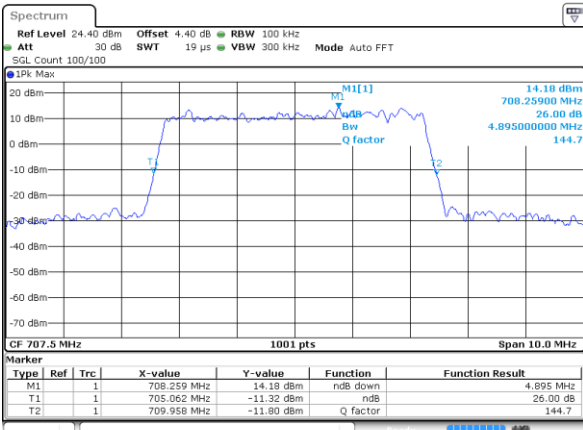
Date: 6 JAN 2018 16:09:33

Lowest Channel / 10MHz / 64QAM



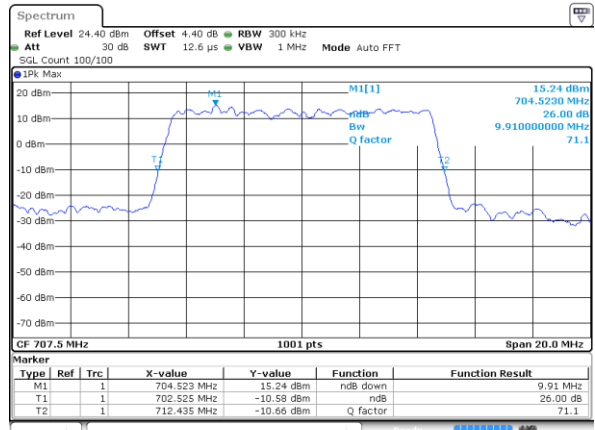
Date: 6 JAN 2018 16:10:37

Middle Channel / 5MHz / 64QAM



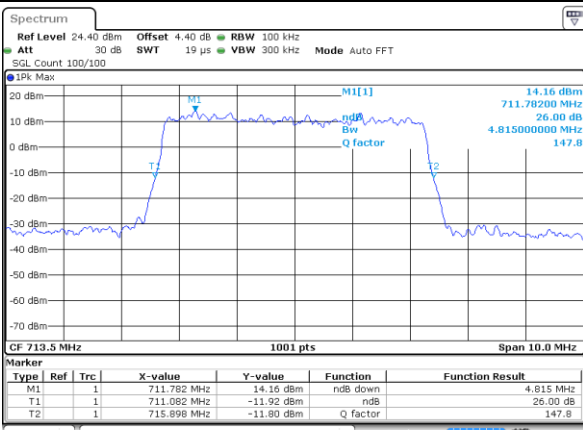
Date: 6 JAN 2018 16:09:54

Middle Channel / 10MHz / 64QAM



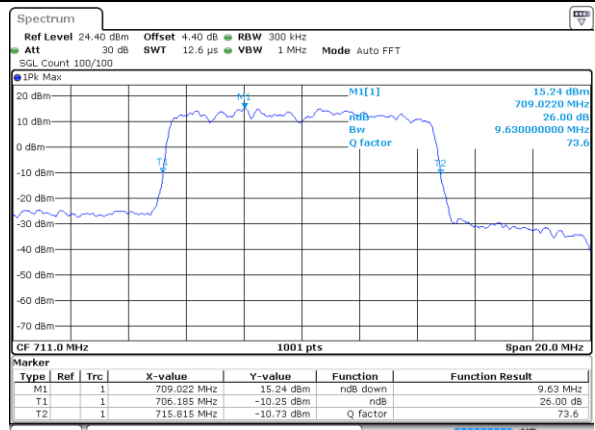
Date: 6 JAN 2018 16:10:58

Highest Channel / 5MHz / 64QAM



Date: 6 JAN 2018 16:10:16

Highest Channel / 10MHz / 64QAM

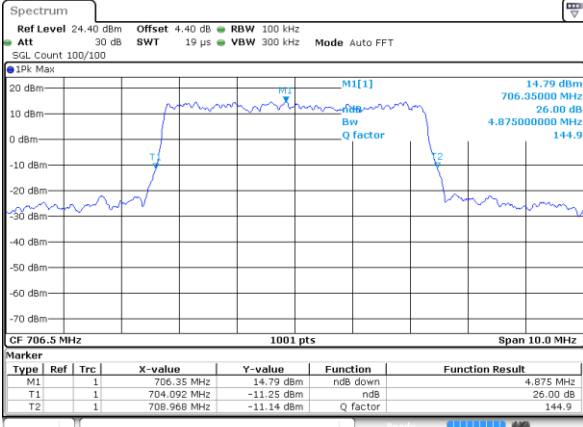


Date: 6 JAN 2018 16:11:19



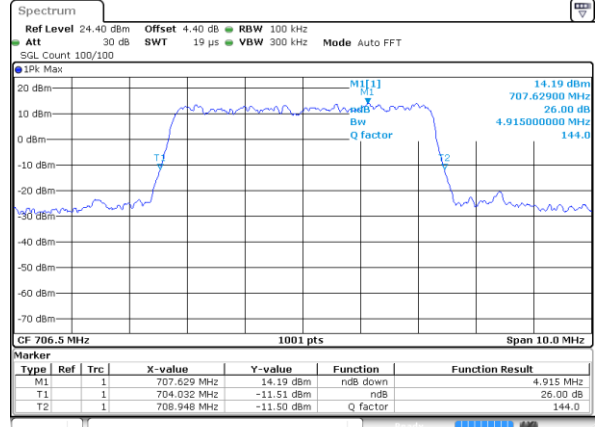
LTE Band 17

Lowest Channel / 5MHz / QPSK



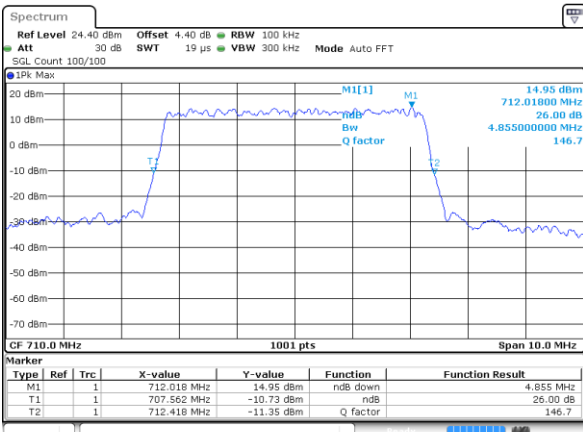
Date: 31 DEC 2017 17:47:12

Lowest Channel / 5MHz / 16QAM



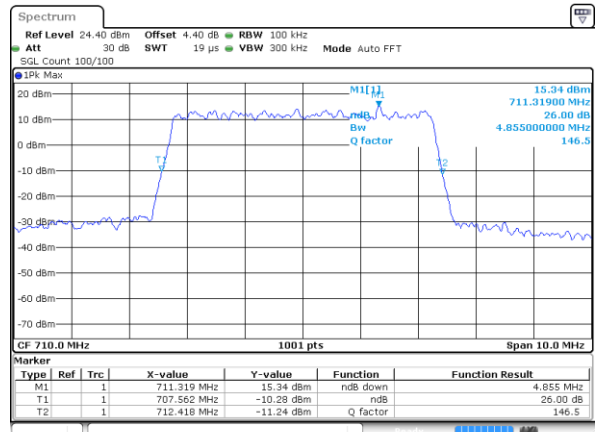
Date: 31 DEC 2017 17:47:23

Middle Channel / 5MHz / QPSK



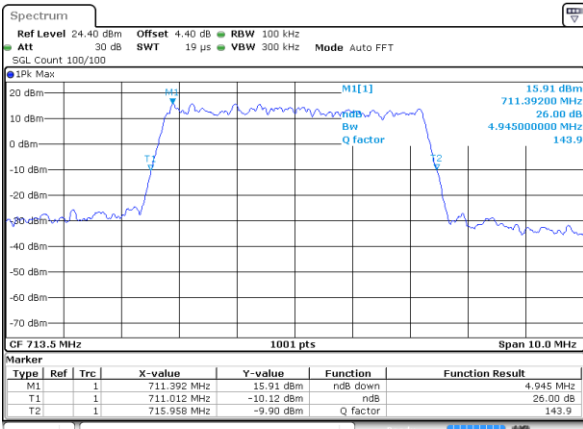
Date: 31 DEC 2017 17:54:17

Middle Channel / 5MHz / 16QAM



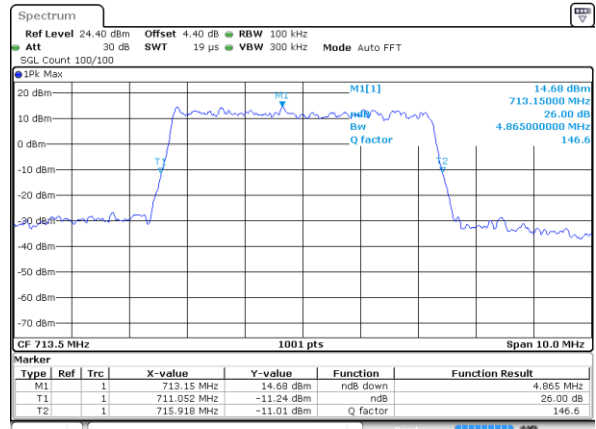
Date: 31 DEC 2017 17:54:28

Highest Channel / 5MHz / QPSK



Date: 31 DEC 2017 17:56:50

Highest Channel / 5MHz / 16QAM

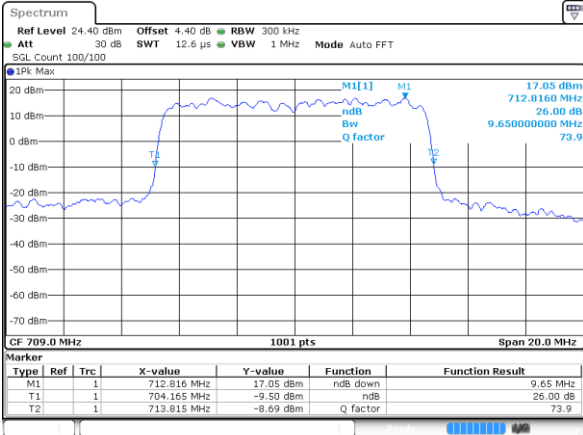


Date: 31 DEC 2017 17:57:01



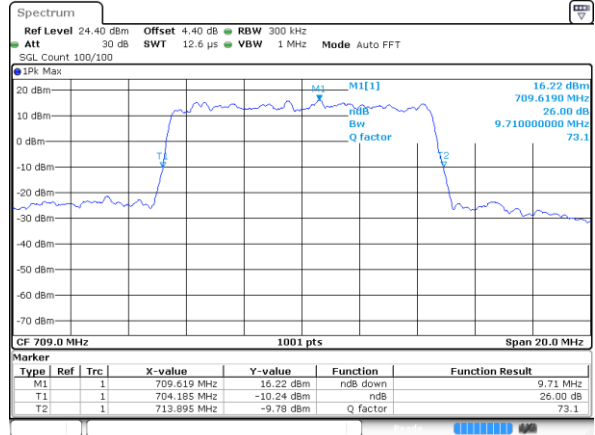
LTE Band 17

Lowest Channel / 10MHz / QPSK



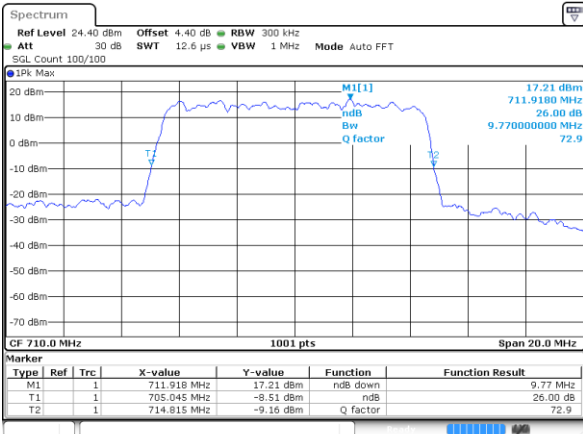
Date: 31 DEC 2017 18:03:56

Lowest Channel / 10MHz / 16QAM



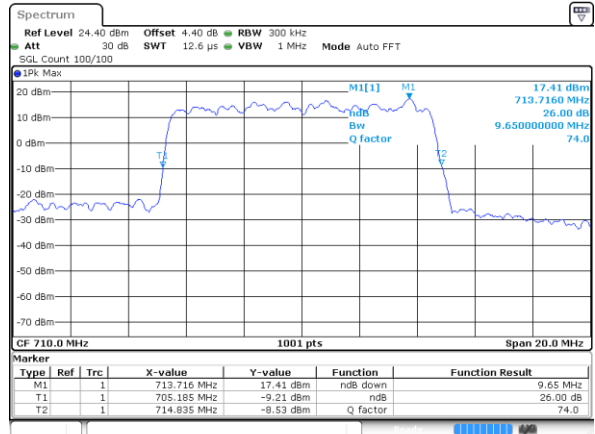
Date: 31 DEC 2017 18:04:06

Middle Channel / 10MHz / QPSK



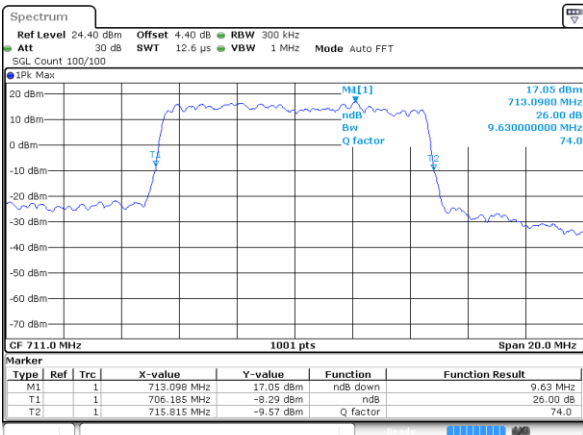
Date: 31 DEC 2017 18:11:02

Middle Channel / 10MHz / 16QAM



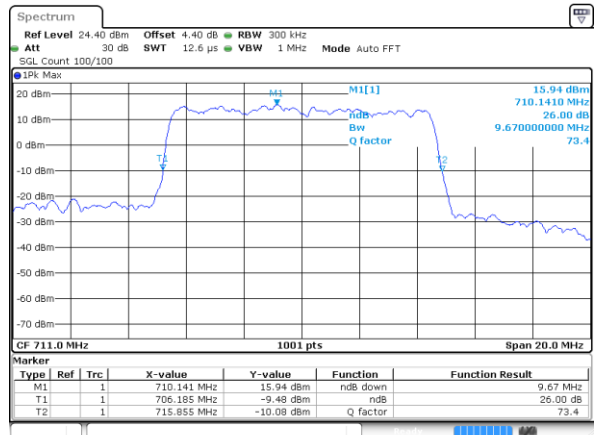
Date: 31 DEC 2017 18:11:13

Highest Channel / 10MHz / QPSK



Date: 31 DEC 2017 18:13:35

Highest Channel / 10MHz / 16QAM

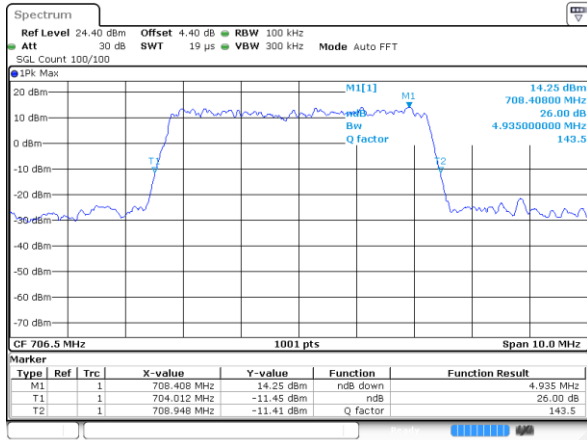


Date: 31 DEC 2017 18:13:46



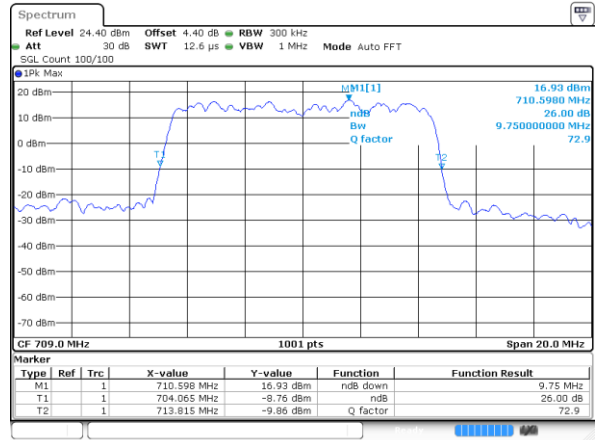
LTE Band 17

Lowest Channel / 5MHz / 64QAM



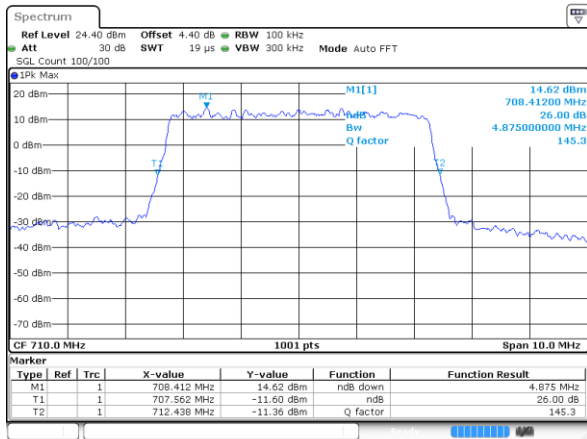
Date: 31 DEC 2017 18:30:33

Lowest Channel / 10MHz / 64QAM



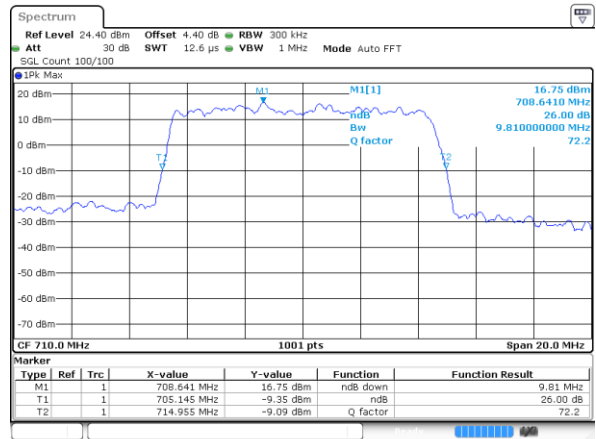
Date: 31 DEC 2017 18:38:47

Middle Channel / 5MHz / 64QAM



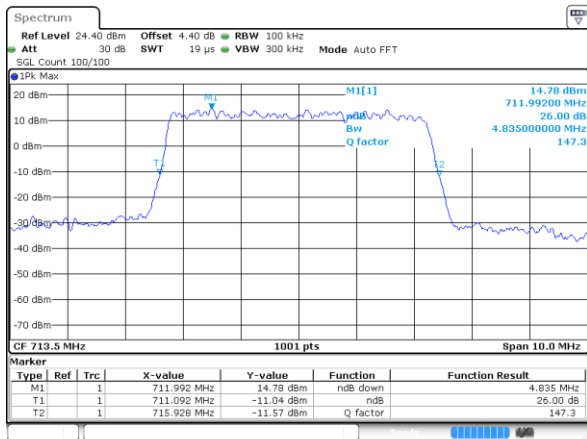
Date: 31 DEC 2017 18:30:56

Middle Channel / 10MHz / 64QAM



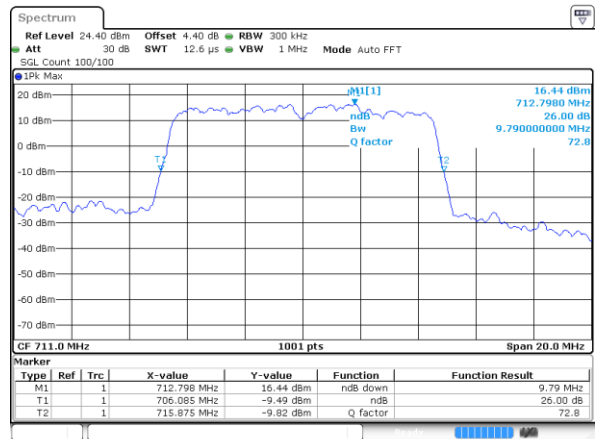
Date: 31 DEC 2017 18:39:09

Highest Channel / 5MHz / 64QAM



Date: 31 DEC 2017 18:31:18

Highest Channel / 10MHz / 64QAM



Date: 31 DEC 2017 18:39:30



Occupied Bandwidth

Mode	LTE Band 2 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.73	2.70	4.50	4.50	9.03	9.01	13.40	13.43	18.34	18.14
Middle CH	1.10	1.08	2.75	2.73	4.50	4.52	9.11	8.99	13.37	13.46	18.18	18.42
Highest CH	1.10	1.09	2.73	2.73	4.51	4.48	9.07	9.01	13.46	13.40	18.34	18.34
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	13.46	18.42						
Middle CH	1.09	2.73	4.49	9.05	13.46	18.26						
Highest CH	1.09	2.72	4.49	9.07	13.40	18.30						

Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.73	2.72	4.48	4.49	8.97	9.03	13.43	13.55	18.22	18.26
Middle CH	1.09	1.09	2.74	2.73	4.48	4.50	9.01	9.03	13.37	13.49	18.26	18.50
Highest CH	1.09	1.09	2.72	2.72	4.49	4.50	9.01	9.05	13.49	13.43	18.26	18.22
BW	1.4MHz	3MHz	5MHz	10MHz	15MHz	20MHz						
Mod.	64QAM	64QAM	64QAM	64QAM	64QAM	64QAM						
Lowest CH	1.09	2.72	4.47	9.03	13.34	18.26						
Middle CH	1.09	2.73	4.47	9.01	13.37	18.18						
Highest CH	1.08	2.73	4.50	8.95	13.46	18.30						

Mode	LTE Band 5 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		1.4MHz	3MHz	5MHz	10MHz
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM	64QAM	64QAM
Lowest CH	1.09	1.09	2.71	2.74	4.49	4.49	8.97	9.01	1.09	2.72	4.55	9.01
Middle CH	1.09	1.09	2.71	2.73	4.51	4.49	9.01	9.01	1.09	2.72	4.52	9.05
Highest CH	1.09	1.09	2.70	2.71	4.50	4.50	9.05	8.97	1.09	2.72	4.49	9.01



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	4.48	4.50	9.07	9.01	13.40	13.46	18.34	18.38	4.48	9.03	13.40	18.34
Middle CH	4.51	4.50	9.03	9.01	13.37	13.43	18.26	18.14	4.50	9.07	13.34	18.22
Highest CH	4.51	4.50	9.01	9.07	13.46	13.43	18.34	18.46	4.48	9.01	13.46	18.30

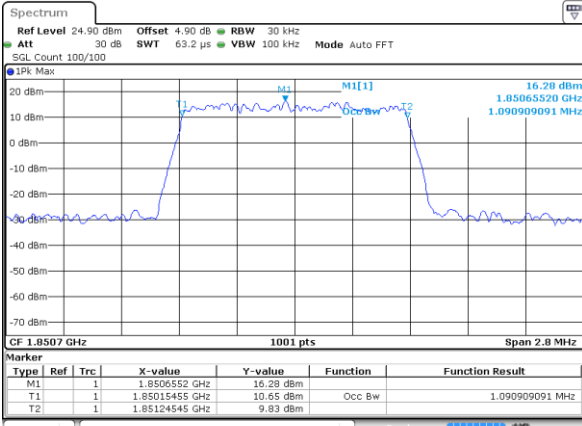
Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		1.4MHz	3MHz	5MHz	10MHz
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM	64QAM	64QAM
Lowest CH	1.09	1.09	2.72	2.72	4.49	4.47	9.07	9.07	1.10	2.73	4.48	9.03
Middle CH	1.09	1.09	2.71	2.75	4.47	4.50	9.09	8.97	1.09	2.72	4.52	9.05
Highest CH	1.09	1.09	2.73	2.72	4.47	4.49	8.97	8.99	1.09	2.72	4.49	9.01

Mode	LTE Band 17 : 99%OBW(MHz)											
BW	5MHz		10MHz		5MHz	10MHz						
Mod.	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM						
Lowest CH	4.49	4.50	8.99	9.01	4.50	9.03						
Middle CH	4.48	4.51	9.01	8.97	4.49	8.95						
Highest CH	4.50	4.49	9.05	8.95	4.51	9.01						



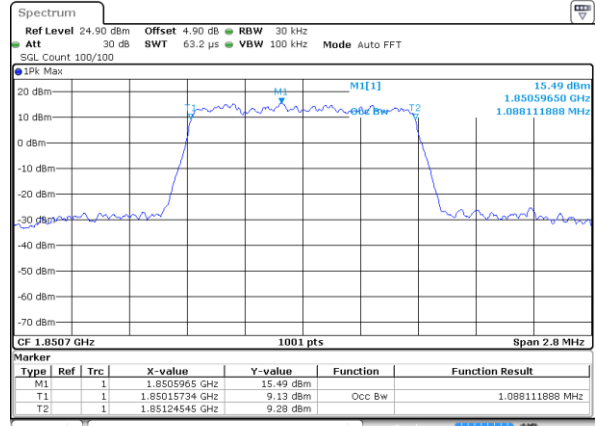
LTE Band 2

Lowest Channel / 1.4MHz / QPSK



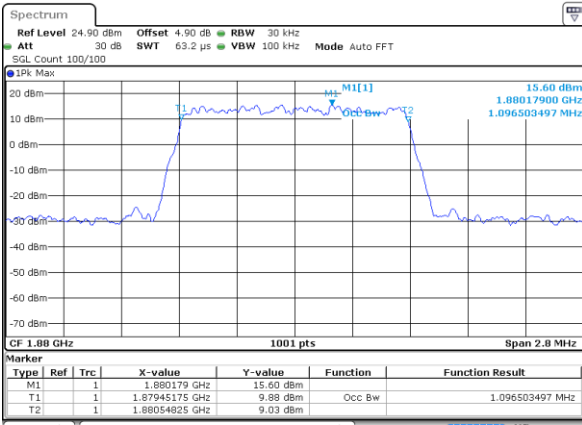
Date: 1.JAN.2018 12:15:40

Lowest Channel / 1.4MHz / 16QAM



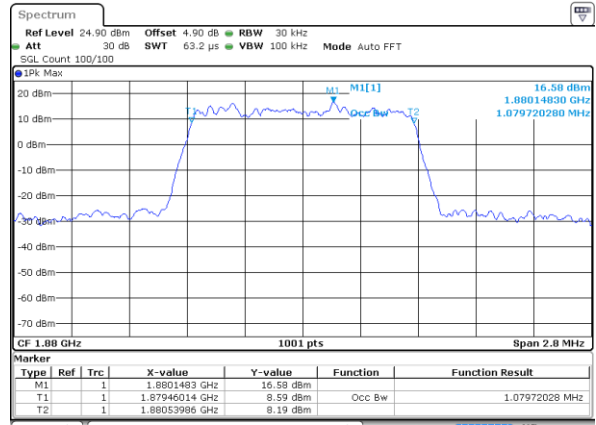
Date: 1.JAN.2018 12:15:50

Middle Channel / 1.4MHz / QPSK



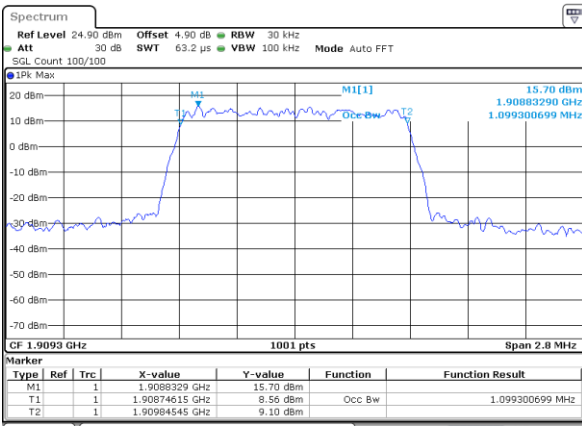
Date: 1.JAN.2018 12:22:46

Middle Channel / 1.4MHz / 16QAM



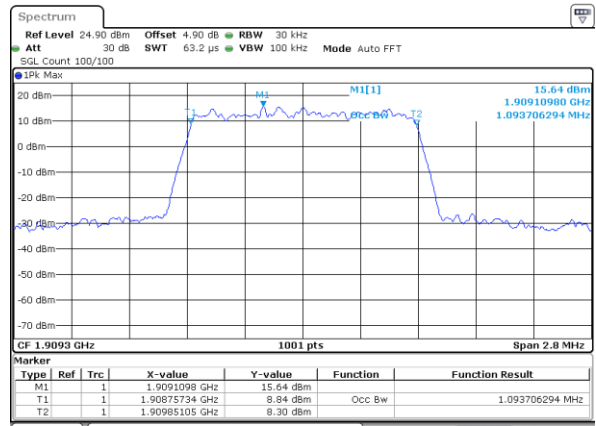
Date: 1.JAN.2018 12:22:56

Highest Channel / 1.4MHz / QPSK



Date: 1.JAN.2018 12:25:19

Highest Channel / 1.4MHz / 16QAM



Date: 1.JAN.2018 12:25:30