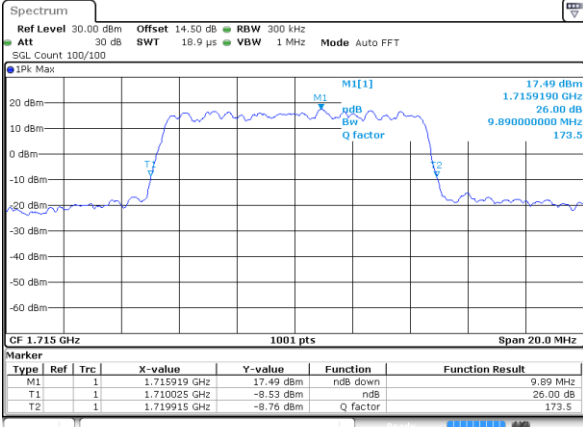




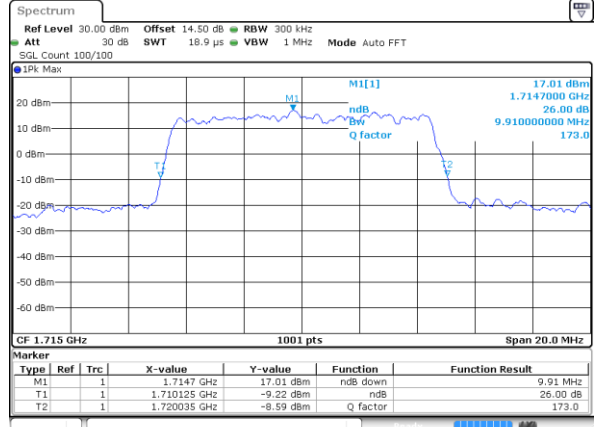
LTE Band 66

Lowest Channel / 10MHz / QPSK



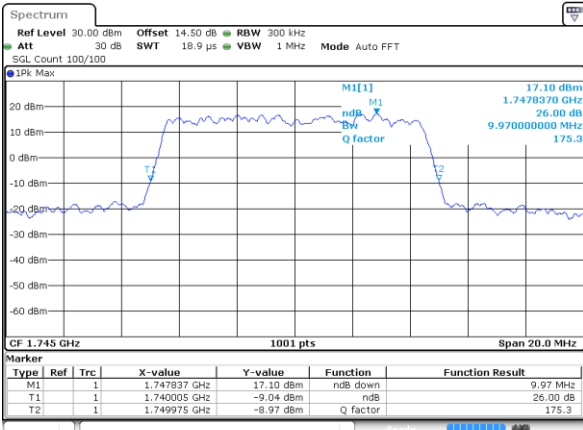
Date: 1 SEP 2019 10:53:56

Lowest Channel / 10MHz / 16QAM



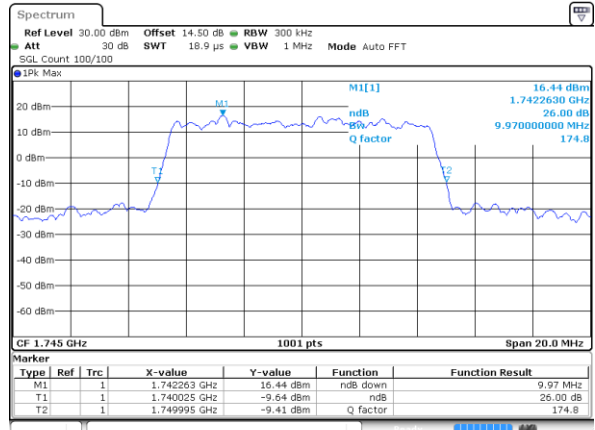
Date: 1 SEP 2019 10:58:49

Middle Channel / 10MHz / QPSK



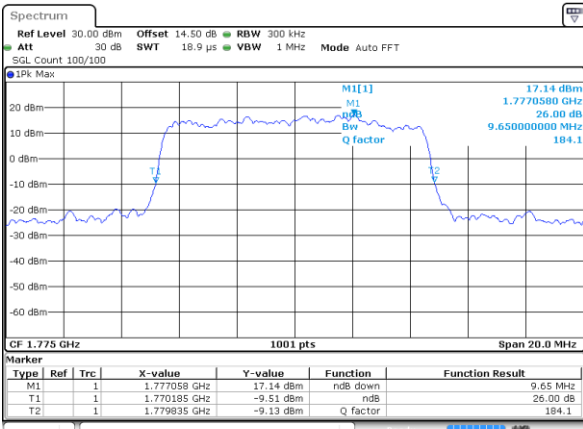
Date: 1 SEP 2019 11:20:04

Middle Channel / 10MHz / 16QAM



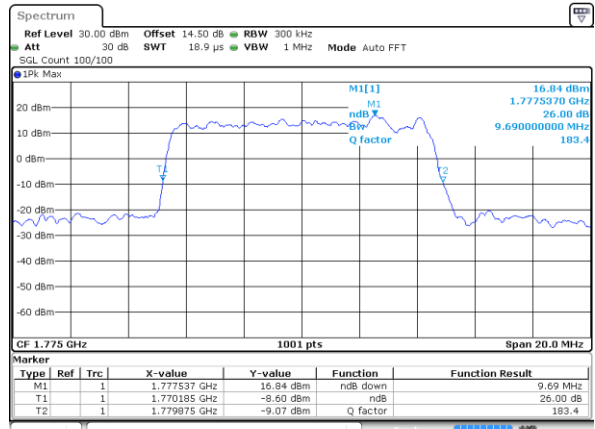
Date: 1 SEP 2019 11:03:51

Highest Channel / 10MHz / QPSK



Date: 1 SEP 2019 11:13:47

Highest Channel / 10MHz / 16QAM

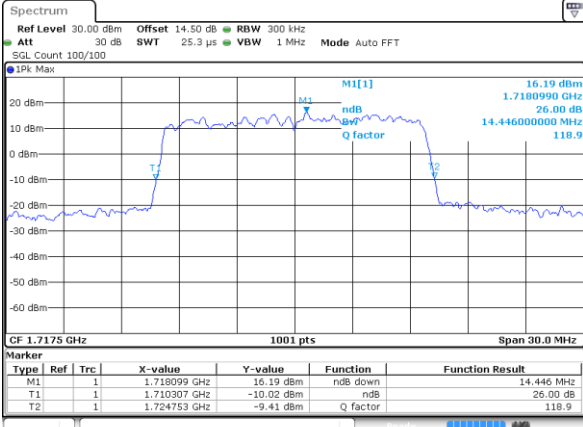


Date: 1 SEP 2019 11:12:01



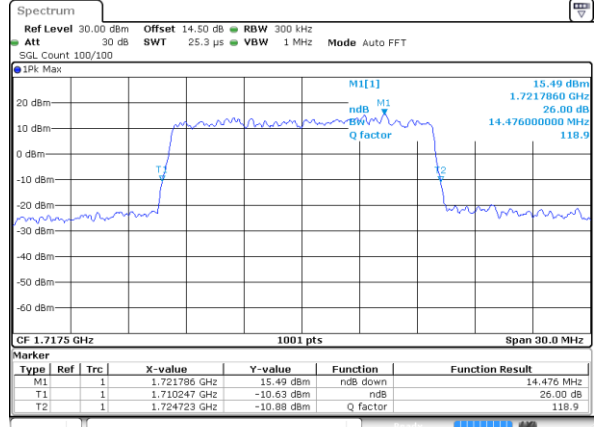
LTE Band 66

Lowest Channel / 15MHz / QPSK



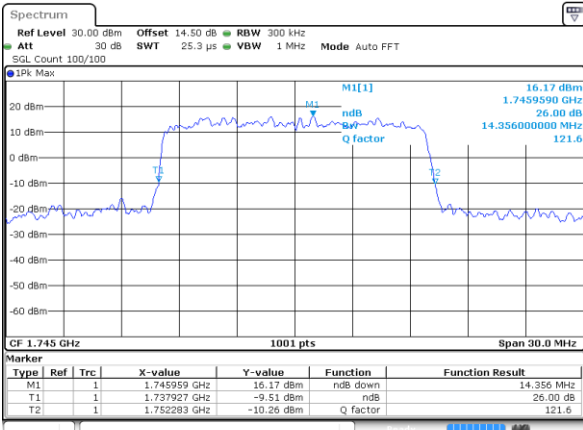
Date: 1 SEP 2019 12:46:01

Lowest Channel / 15MHz / 16QAM



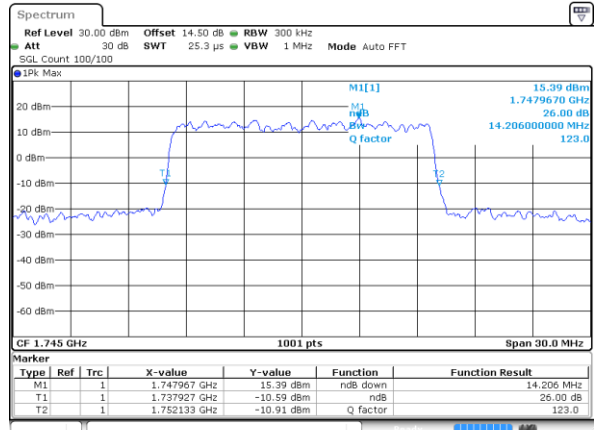
Date: 1 SEP 2019 12:51:53

Middle Channel / 15MHz / QPSK



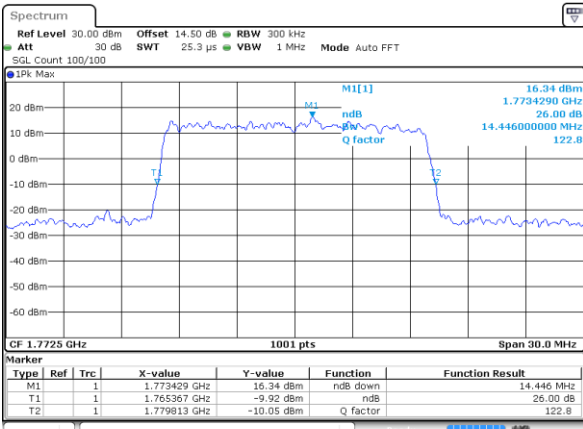
Date: 1 SEP 2019 12:59:32

Middle Channel / 15MHz / 16QAM



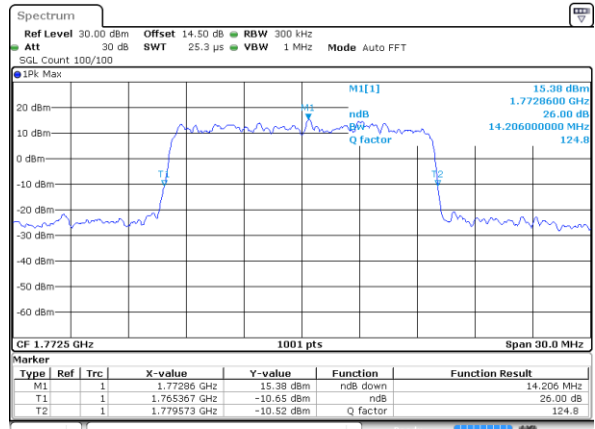
Date: 1 SEP 2019 12:56:12

Highest Channel / 15MHz / QPSK



Date: 1 SEP 2019 13:01:28

Highest Channel / 15MHz / 16QAM

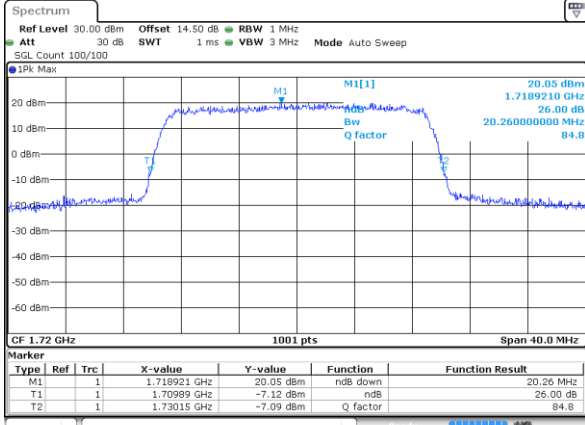


Date: 1 SEP 2019 13:07:02



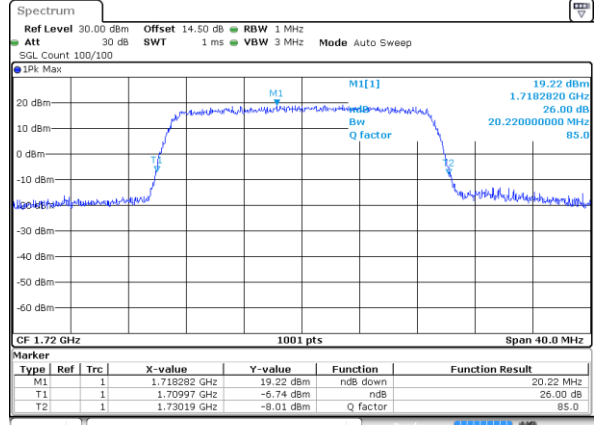
LTE Band 66

Lowest Channel / 20MHz / QPSK



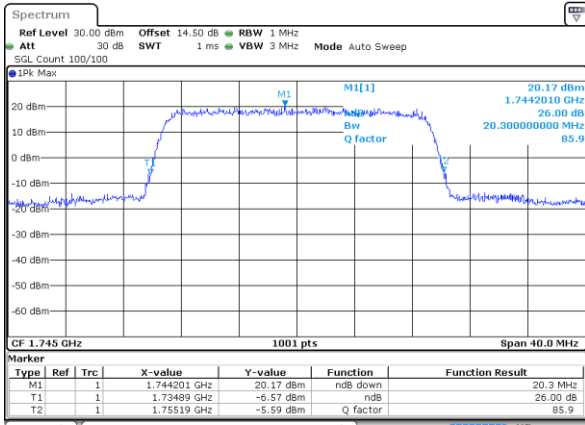
Date: 1 SEP 2019 13:24:28

Lowest Channel / 20MHz / 16QAM



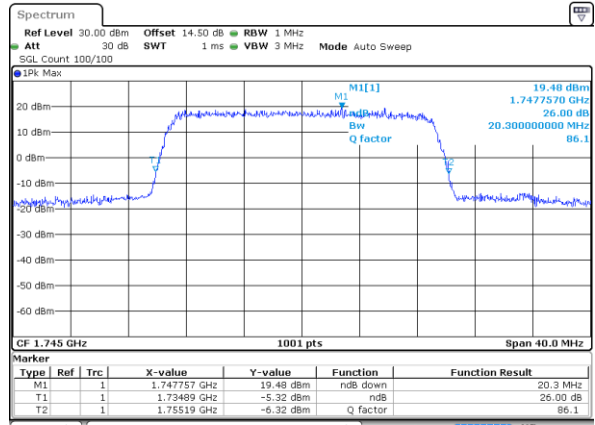
Date: 1 SEP 2019 13:10:48

Middle Channel / 20MHz / QPSK



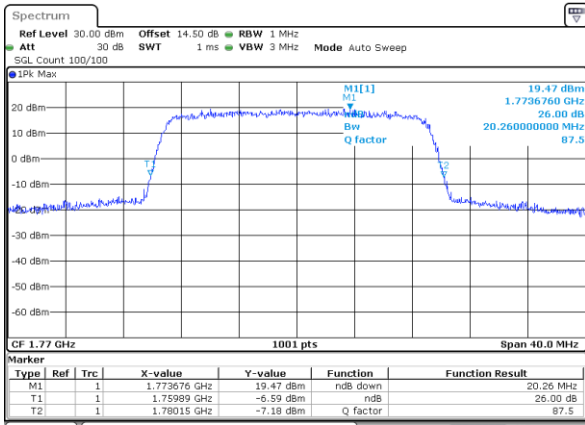
Date: 1 SEP 2019 13:28:52

Middle Channel / 20MHz / 16QAM



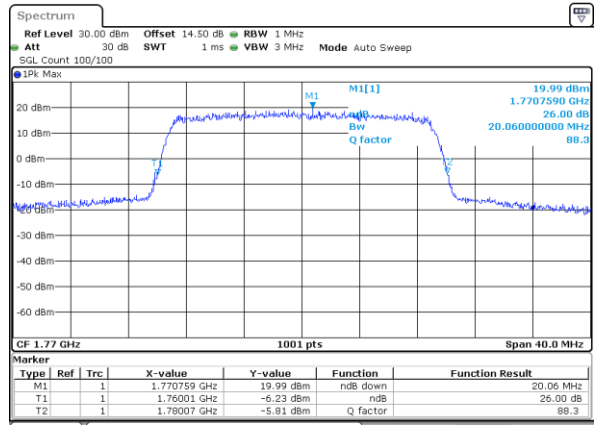
Date: 1 SEP 2019 13:31:05

Highest Channel / 20MHz / QPSK



Date: 1 SEP 2019 13:48:14

Highest Channel / 20MHz / 16QAM

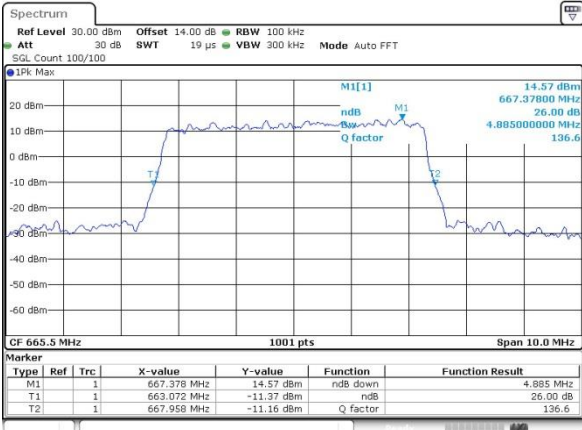


Date: 1 SEP 2019 13:33:43



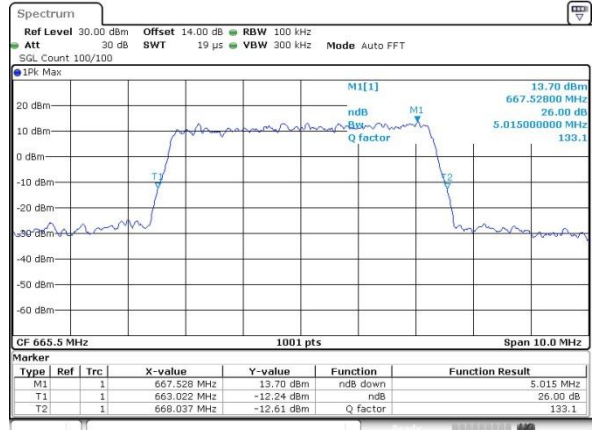
LTE Band 71

Lowest Channel / 5MHz / QPSK



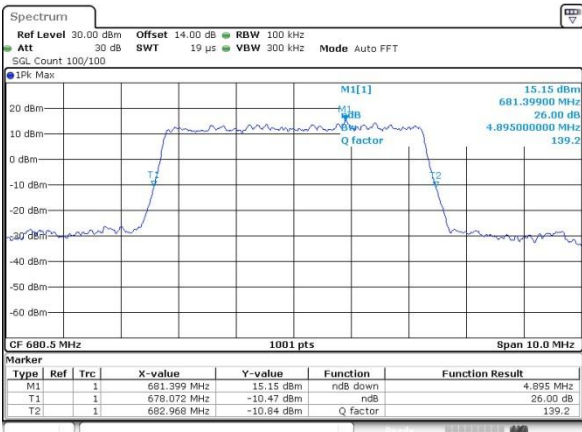
Date: 1.SEP.2019 05:51:03

Lowest Channel / 5MHz / 16QAM



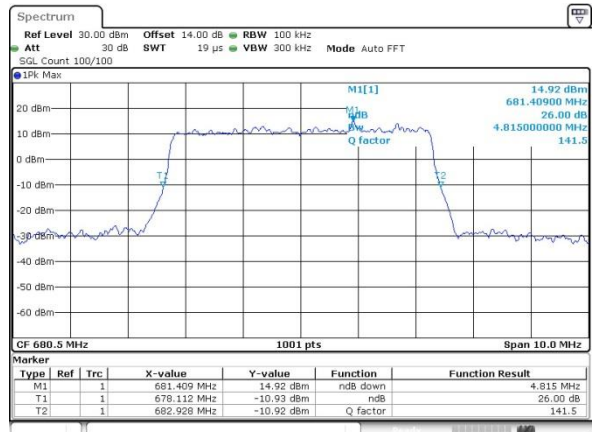
Date: 1.SEP.2019 05:53:55

Middle Channel / 5MHz / QPSK



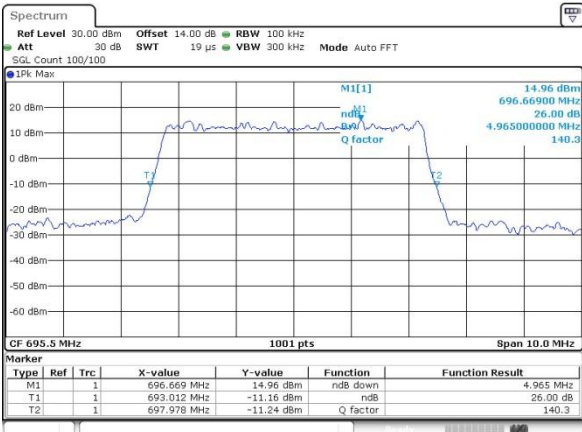
Date: 1.SEP.2019 06:08:07

Middle Channel / 5MHz / 16QAM



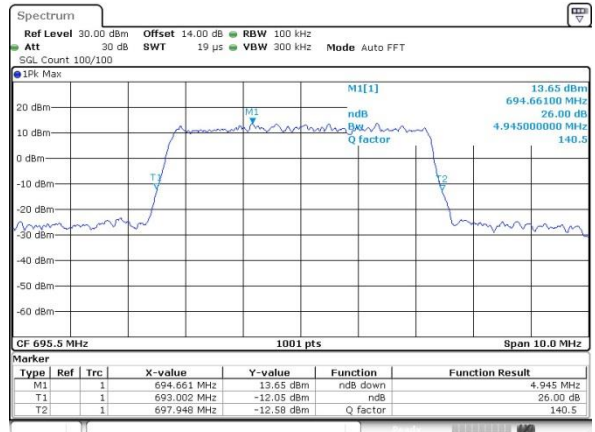
Date: 1.SEP.2019 06:07:41

Highest Channel / 5MHz / QPSK



Date: 1.SEP.2019 06:09:47

Highest Channel / 5MHz / 16QAM

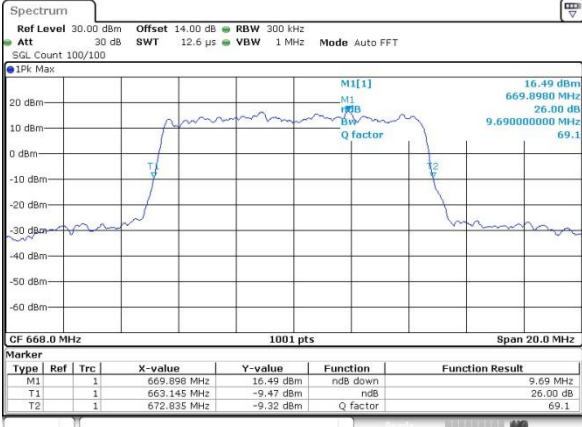


Date: 1.SEP.2019 06:13:12



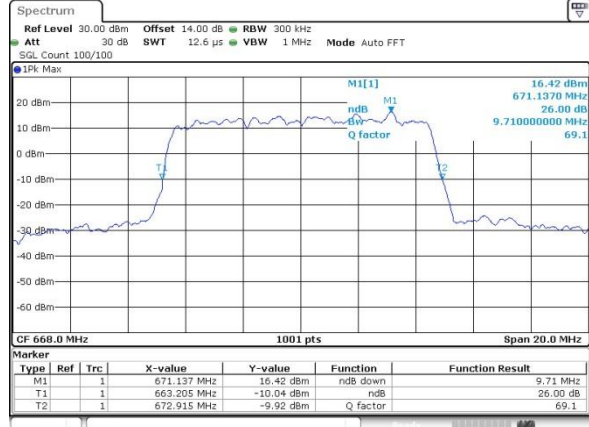
LTE Band 71

Lowest Channel / 10MHz / QPSK



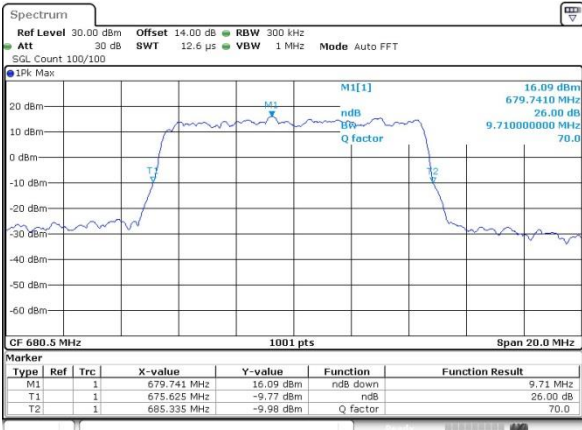
Date: 1.SEP.2019 06:26:34

Lowest Channel / 10MHz / 16QAM



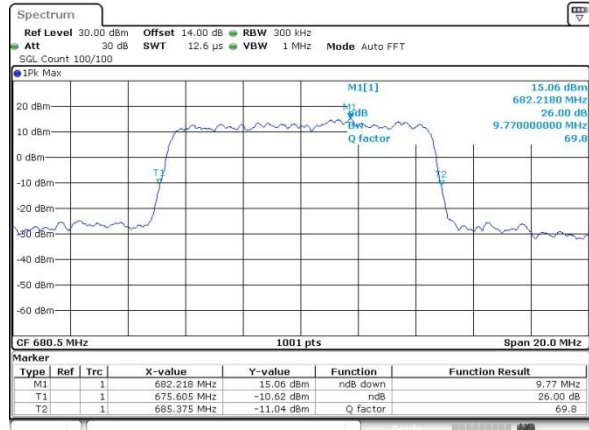
Date: 1.SEP.2019 06:31:04

Middle Channel / 10MHz / QPSK



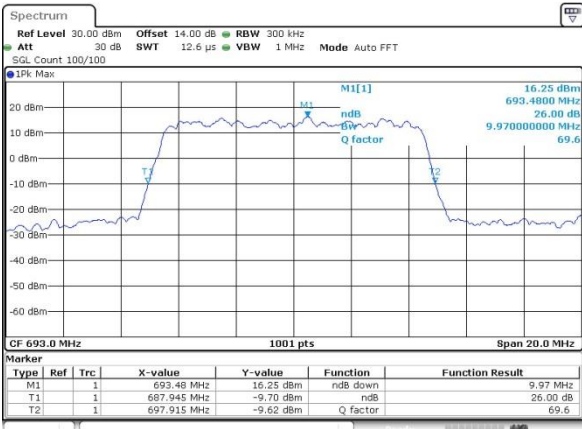
Date: 1.SEP.2019 06:47:14

Middle Channel / 10MHz / 16QAM



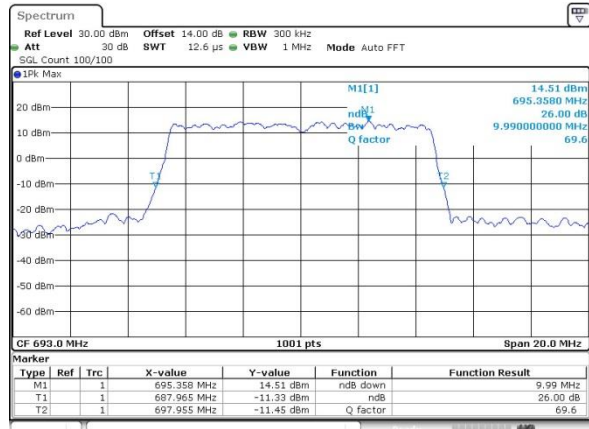
Date: 1.SEP.2019 06:47:40

Highest Channel / 10MHz / QPSK



Date: 1.SEP.2019 06:51:08

Highest Channel / 10MHz / 16QAM

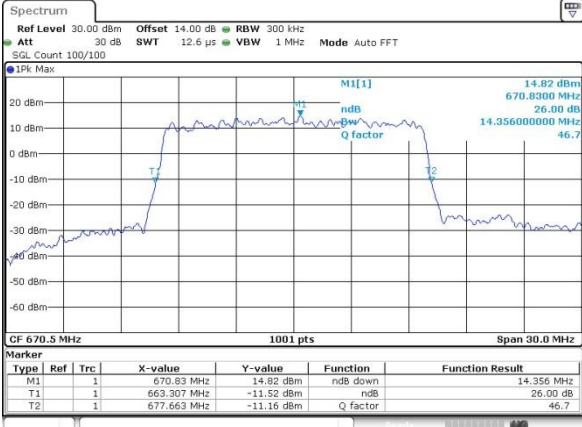


Date: 1.SEP.2019 06:48:55



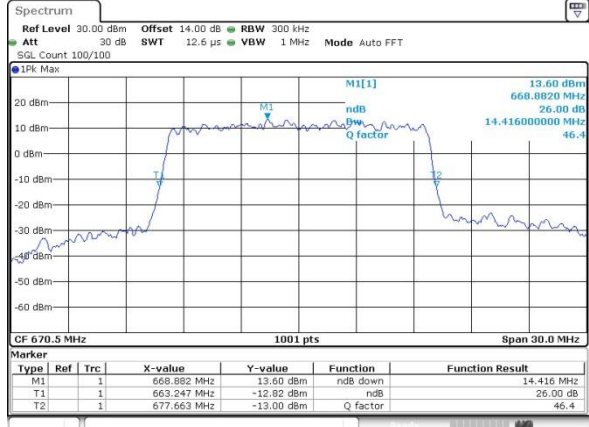
LTE Band 71

Lowest Channel / 15MHz / QPSK



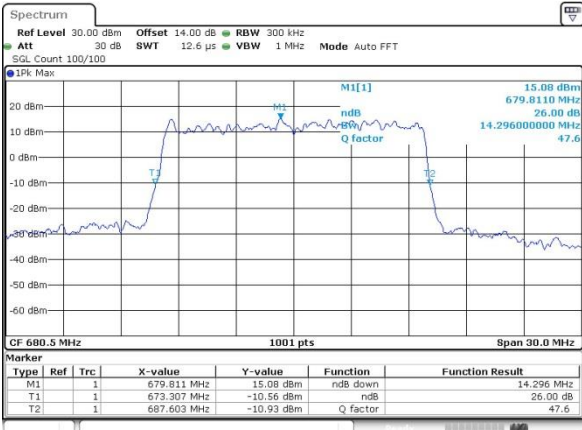
Date: 1.SEP.2019 07:16:37

Lowest Channel / 15MHz / 16QAM



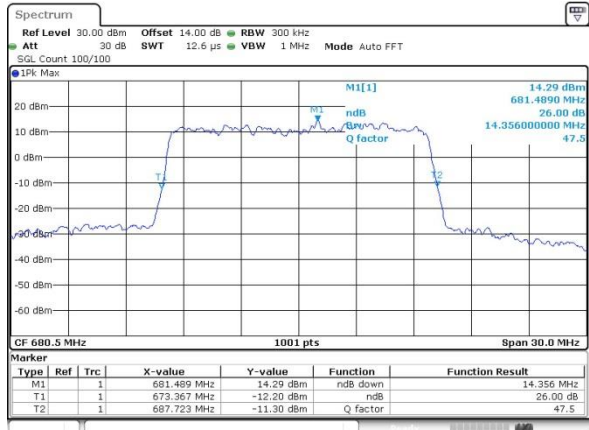
Date: 1.SEP.2019 07:23:29

Middle Channel / 15MHz / QPSK



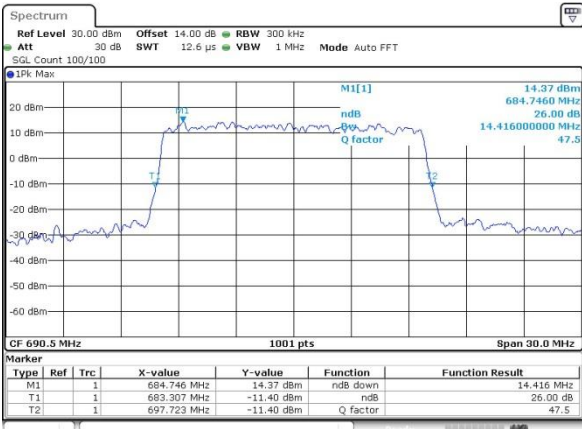
Date: 1.SEP.2019 07:38:56

Middle Channel / 15MHz / 16QAM



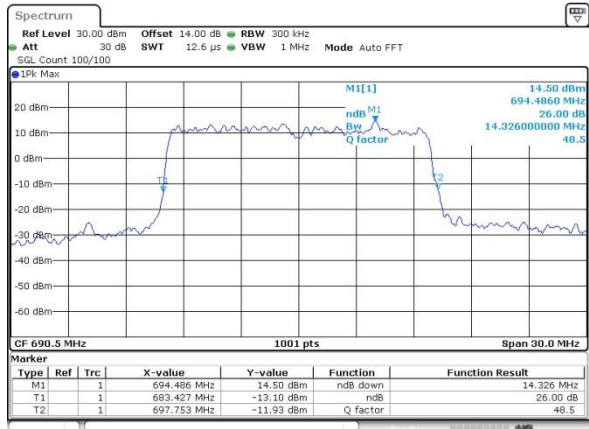
Date: 1.SEP.2019 07:38:20

Highest Channel / 15MHz / QPSK



Date: 1.SEP.2019 07:39:37

Highest Channel / 15MHz / 16QAM



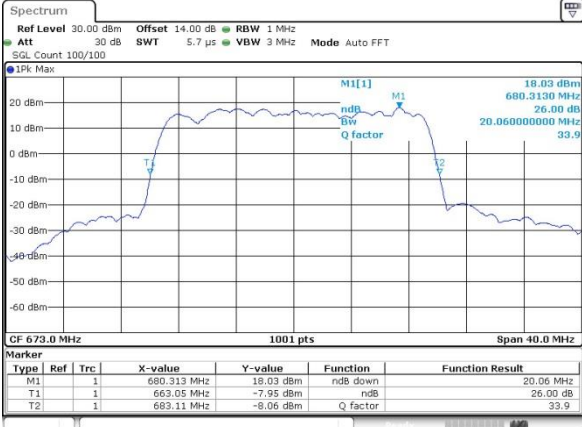
Date: 1.SEP.2019 07:41:05





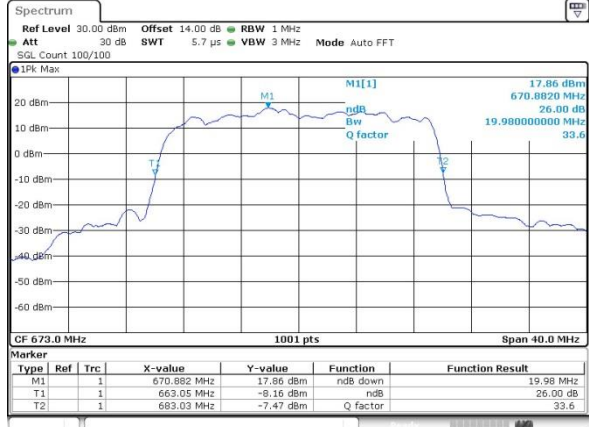
LTE Band 71

Lowest Channel / 20MHz / QPSK



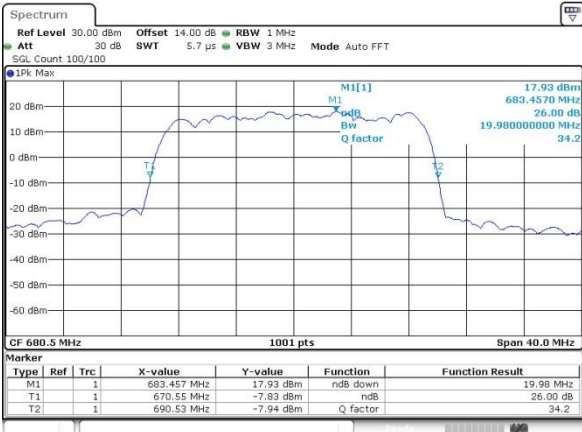
Date: 1.SEP.2019 08:10:25

Lowest Channel / 20MHz / 16QAM



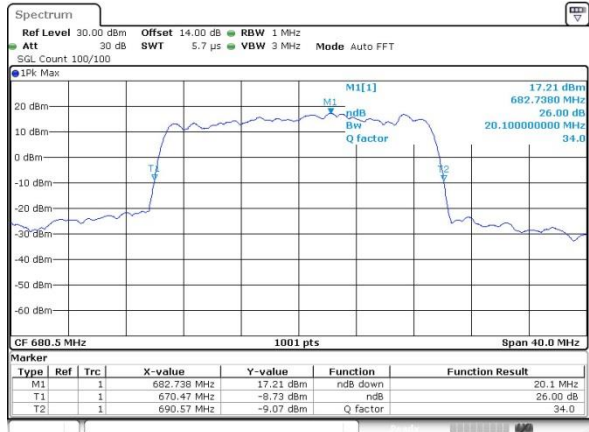
Date: 1.SEP.2019 08:13:01

Middle Channel / 20MHz / QPSK



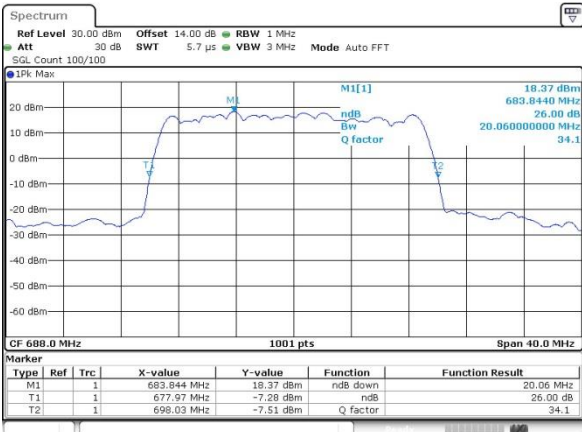
Date: 1.SEP.2019 08:27:02

Middle Channel / 20MHz / 16QAM



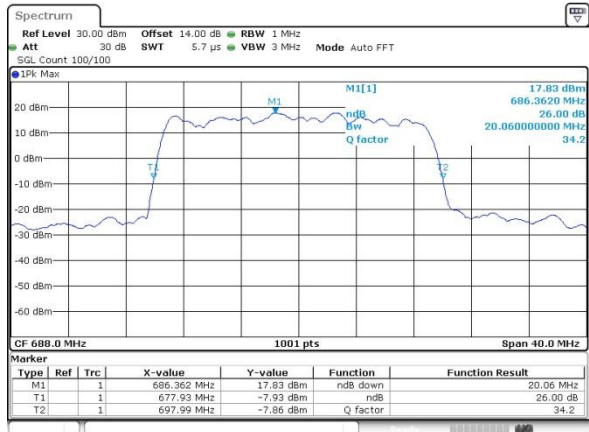
Date: 1.SEP.2019 08:31:41

Highest Channel / 20MHz / QPSK



Date: 1.SEP.2019 08:35:32

Highest Channel / 20MHz / 16QAM



Date: 1.SEP.2019 08:33:13



### 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	2.72	2.74	4.47	4.5	8.97	9.01	13.37	13.49	18.22	18.3
Middle CH	1.09	1.09	2.72	2.71	4.51	4.48	8.97	8.91	13.4	13.43	18.26	18.3
Highest CH	1.09	1.1	2.72	2.73	4.46	4.48	8.93	8.93	13.46	13.4	18.38	18.3

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	2.72	2.74	4.49	4.49	9.01	8.97	13.46	13.43	18.1	18.1
Middle CH	1.09	1.09	2.71	2.7	4.52	4.5	9.01	8.97	13.49	13.46	18.34	18.14
Highest CH	1.1	1.1	2.72	2.7	4.5	4.5	9.03	9.01	13.4	13.43	18.22	18.5

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	1.09	2.72	2.7	4.49	4.5	9.01	9.01	-	-	-	-
Middle CH	1.1	1.09	2.72	2.73	4.5	4.47	9.01	8.99	-	-	-	-
Highest CH	1.11	1.1	2.72	2.71	4.5	4.49	9.01	8.97	-	-	-	-

Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.73	2.72	4.48	4.49	9.03	9.03	-	-	-	-
Middle CH	1.1	1.09	2.7	2.72	4.48	4.51	9.03	9.09	-	-	-	-
Highest CH	1.09	1.09	2.71	2.72	4.5	4.5	9.07	8.99	-	-	-	-

Mode	LTE Band 13 : 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	-	-	-	-	4.46	4.45	-	-	-	-	-	-
Middle CH	-	-	-	-	4.51	4.5	9.07	8.97	-	-	-	-
Highest CH	-	-	-	-	4.46	4.51	-	-	-	-	-	-





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	1.09	2.71	2.72	4.49	4.5	9.03	9.05	13.4	13.43	18.3	18.42
Middle CH	1.09	1.1	2.72	2.72	4.48	4.5	9.03	8.99	13.43	13.43	18.18	18.34
Highest CH	1.09	1.1	2.72	2.72	4.5	4.49	8.99	8.93	13.31	13.43	18.18	18.06

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	1.10	2.70	2.72	4.48	4.49	9.01	9.03	13.49	13.46	13.40	13.40
Middle CH	1.10	1.10	2.75	2.73	4.50	4.49	9.03	8.99	13.40	13.52	-	-
Highest CH	1.09	1.09	2.74	2.74	4.50	4.47	8.97	8.95	13.37	13.49	-	-

Mode	LTE Band 41 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.49	4.48	9.03	8.99	13.43	13.46	18.42	18.22
Middle CH	-	-	-	-	4.5	4.51	8.97	9.07	13.4	13.43	18.26	18.26
Highest CH	-	-	-	-	4.47	4.5	9.03	8.99	13.46	13.4	18.34	18.34

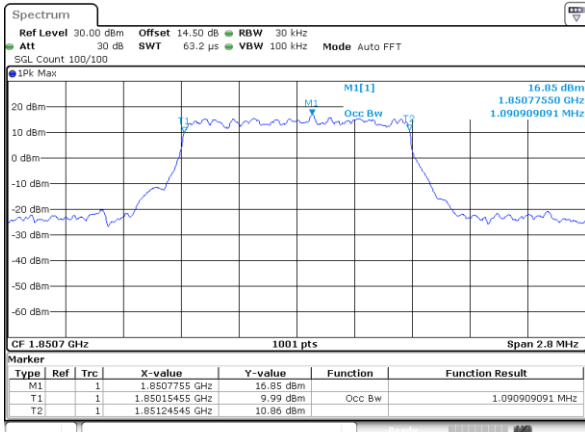
Mode	LTE Band 66 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.10	2.71	2.72	4.49	4.49	9.03	9.01	13.43	13.46	18.26	18.30
Middle CH	1.09	1.09	2.74	2.70	4.49	4.48	9.05	9.01	13.40	13.40	18.38	18.34
Highest CH	1.09	1.09	2.70	2.72	4.49	4.50	9.07	8.97	13.43	13.46	18.22	18.30

Mode	LTE Band 71 : 99%OBW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	4.51	4.48	8.97	8.99	13.37	13.34	18.18	18.14
Middle CH	4.49	4.5	8.97	8.99	13.43	13.46	18.26	18.14
Highest CH	4.51	4.5	9.03	8.99	13.43	13.4	18.26	18.14

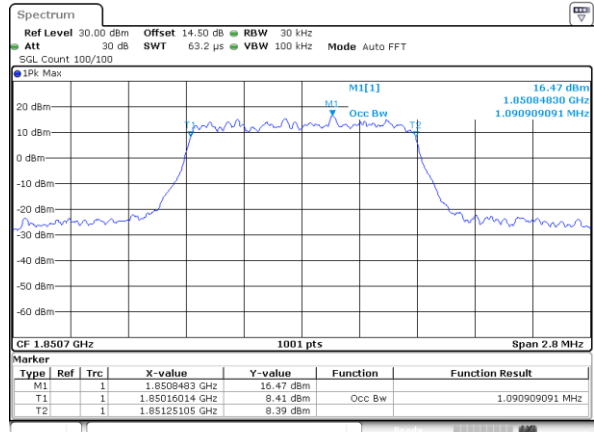


LTE Band 2

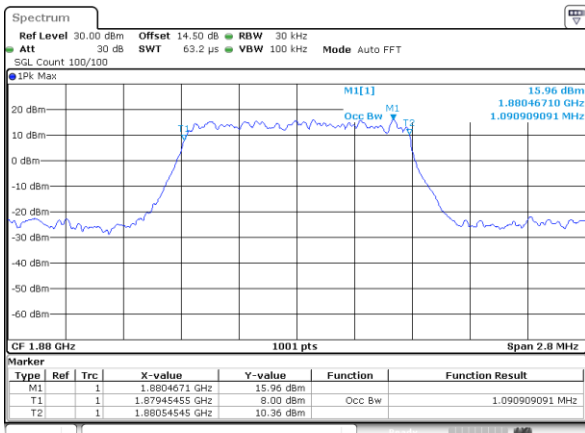
Lowest Channel / 1.4MHz / QPSK



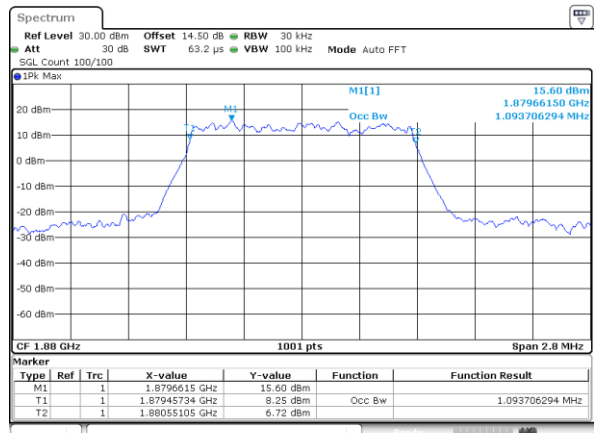
Lowest Channel / 1.4MHz / 16QAM



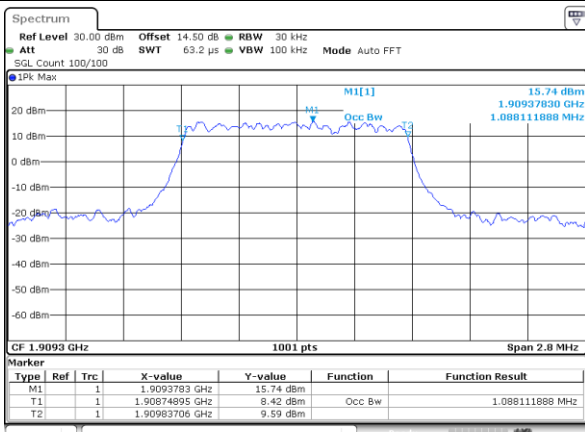
Middle Channel / 1.4MHz / QPSK



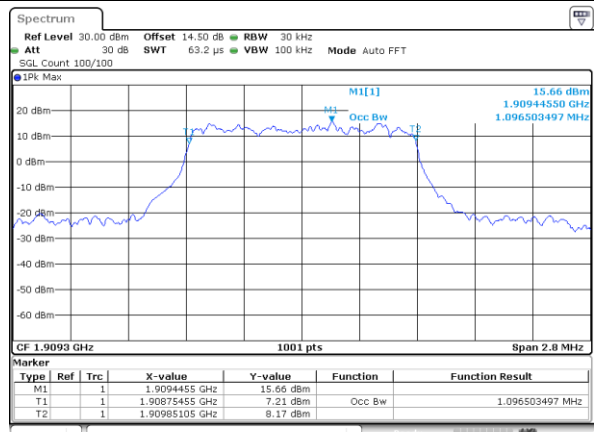
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



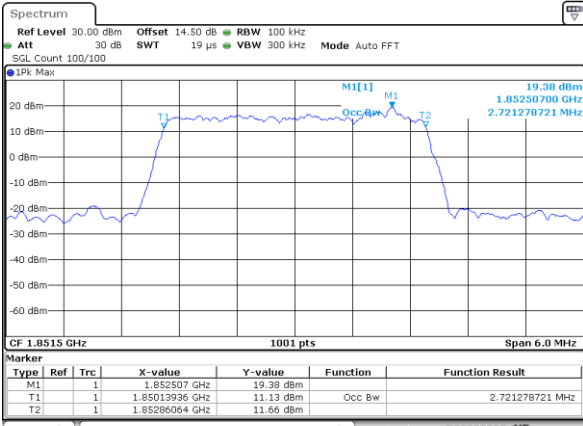
Highest Channel / 1.4MHz / 16QAM





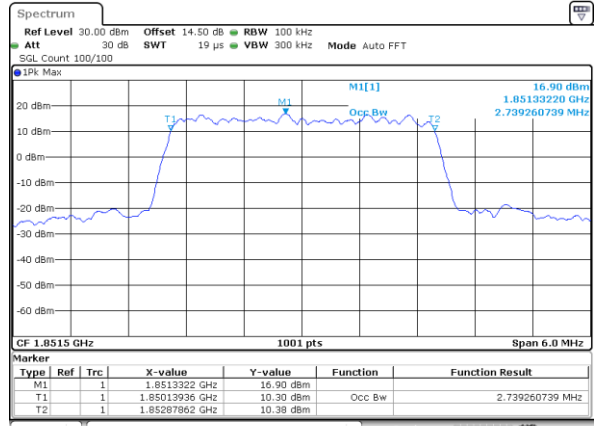
LTE Band 2

Lowest Channel / 3MHz / QPSK



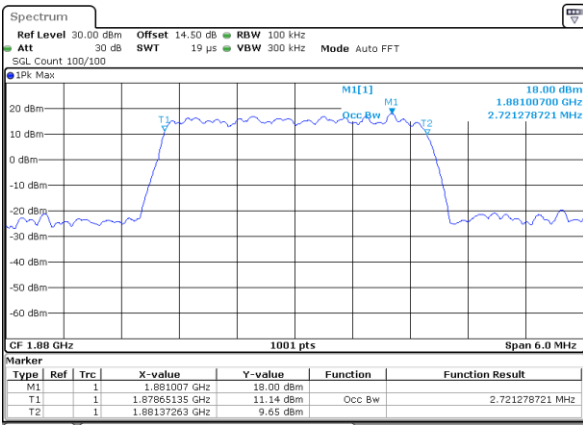
Date: 30\_AUG.2019 22:32:13

Lowest Channel / 3MHz / 16QAM



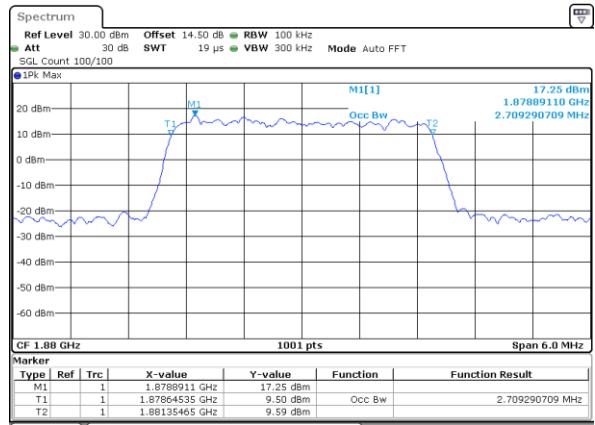
Date: 30\_AUG.2019 22:32:24

Middle Channel / 3MHz / QPSK



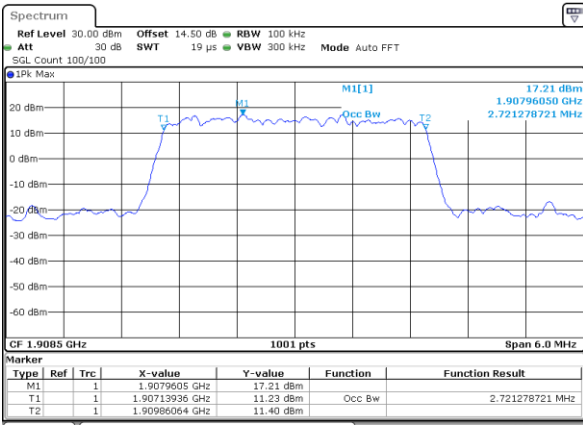
Date: 30\_AUG.2019 22:39:21

Middle Channel / 3MHz / 16QAM



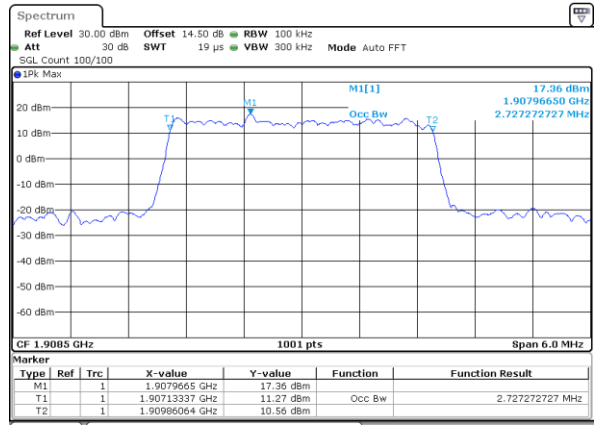
Date: 30\_AUG.2019 22:39:31

Highest Channel / 3MHz / QPSK



Date: 30\_AUG.2019 22:41:52

Highest Channel / 3MHz / 16QAM

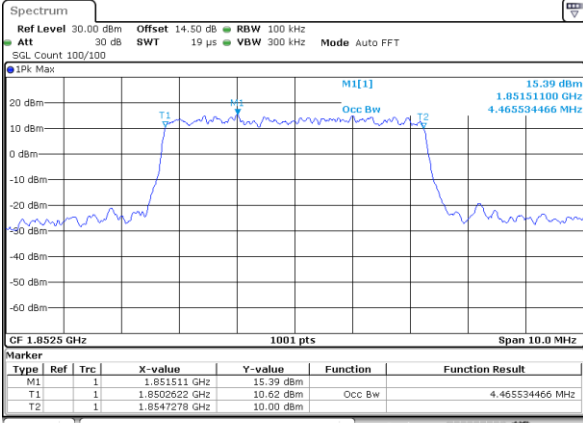


Date: 30\_AUG.2019 22:42:03



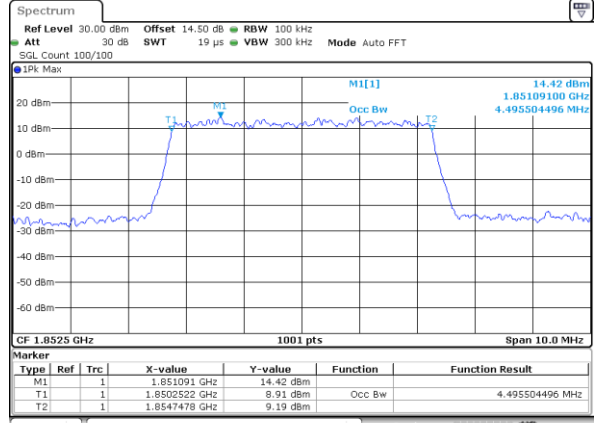
LTE Band 2

Lowest Channel / 5MHz / QPSK



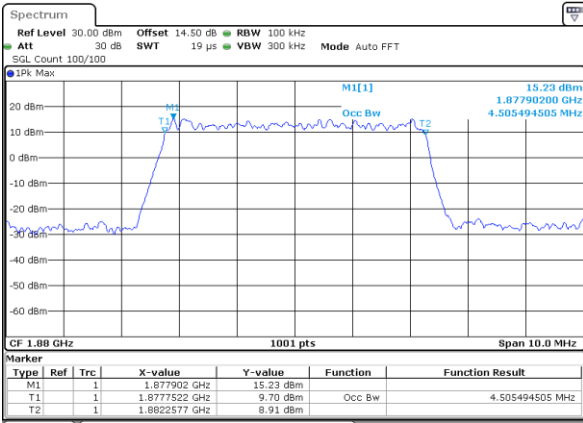
Date: 30\_AUG.2019 23:00:53

Lowest Channel / 5MHz / 16QAM



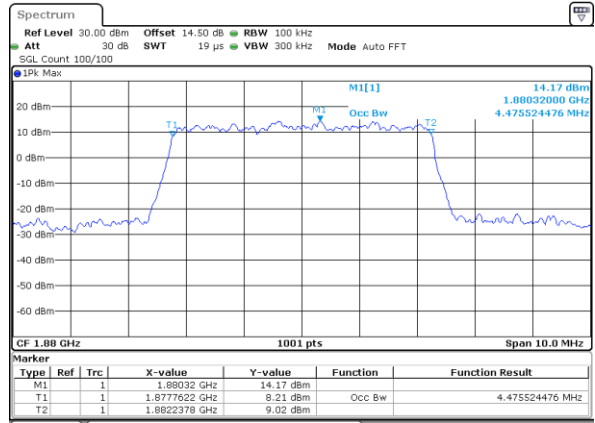
Date: 30\_AUG.2019 23:01:04

Middle Channel / 5MHz / QPSK



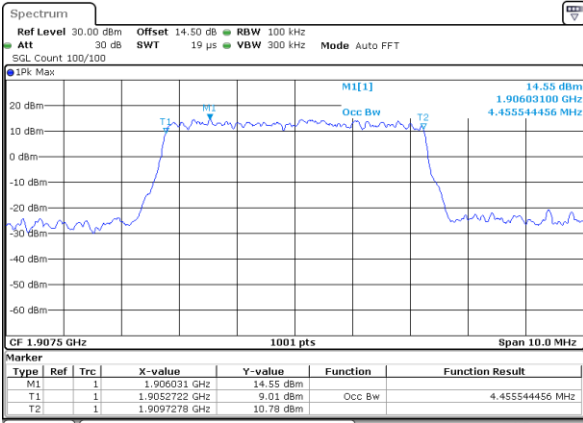
Date: 30\_AUG.2019 23:08:01

Middle Channel / 5MHz / 16QAM



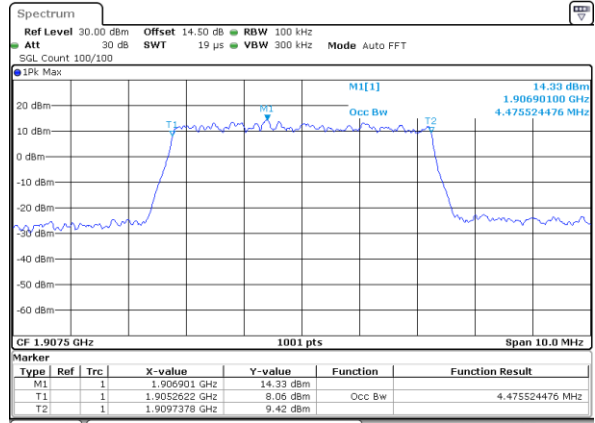
Date: 30\_AUG.2019 23:08:11

Highest Channel / 5MHz / QPSK



Date: 30\_AUG.2019 23:10:33

Highest Channel / 5MHz / 16QAM

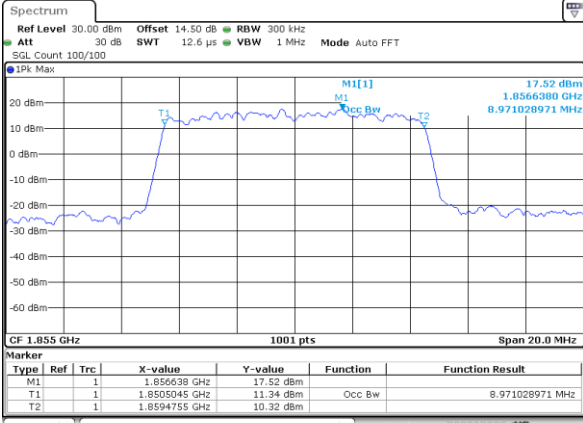


Date: 30\_AUG.2019 23:10:43



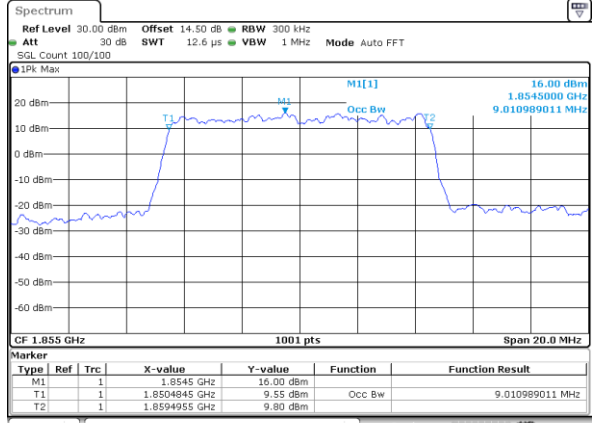
LTE Band 2

Lowest Channel / 10MHz / QPSK



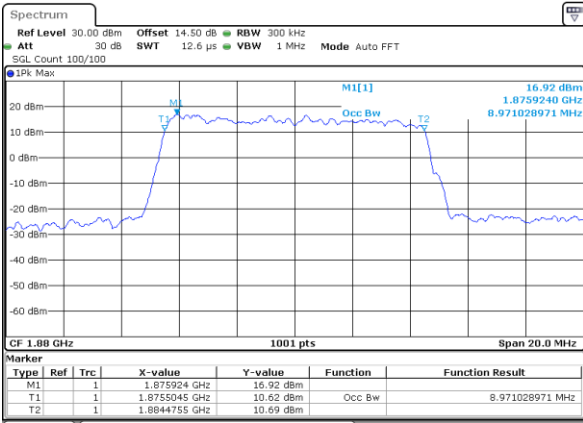
Date: 30\_AUG.2019 23:20:42

Lowest Channel / 10MHz / 16QAM



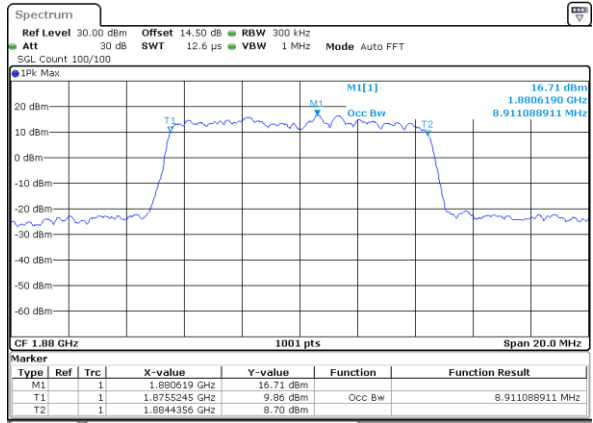
Date: 30\_AUG.2019 23:20:52

Middle Channel / 10MHz / QPSK



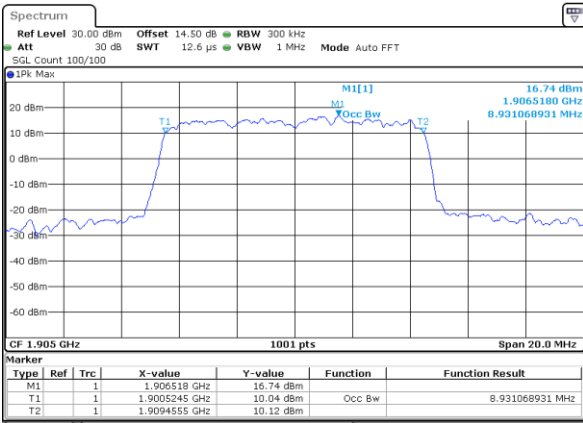
Date: 30\_AUG.2019 23:27:49

Middle Channel / 10MHz / 16QAM



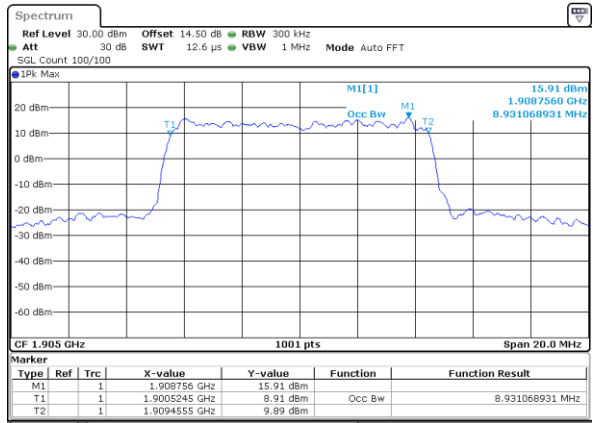
Date: 30\_AUG.2019 23:28:00

Highest Channel / 10MHz / QPSK



Date: 30\_AUG.2019 23:30:21

Highest Channel / 10MHz / 16QAM

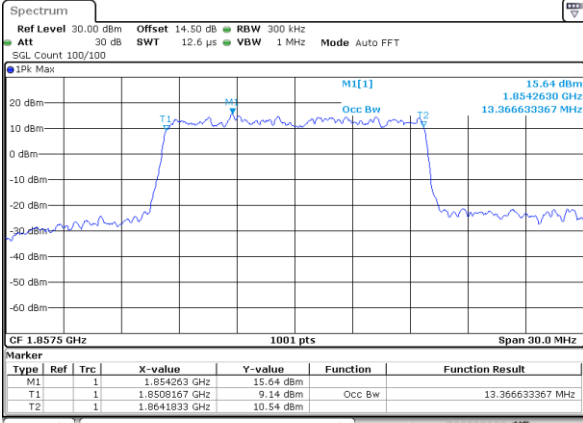


Date: 30\_AUG.2019 23:30:31



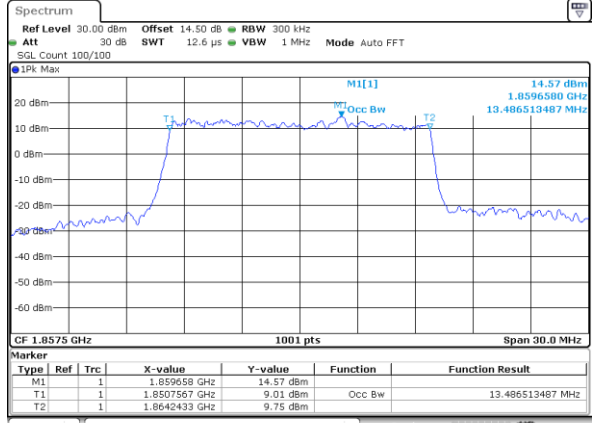
LTE Band 2

Lowest Channel / 15MHz / QPSK



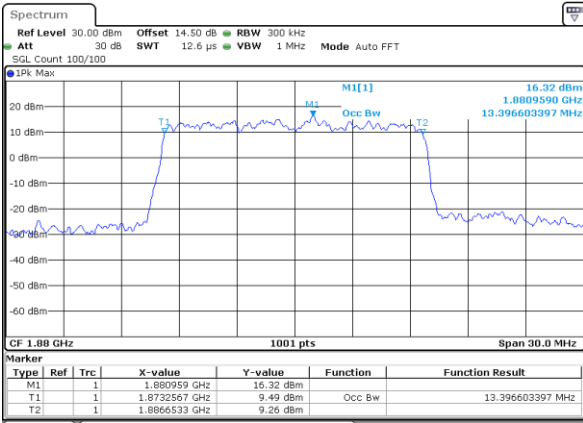
Date: 31.AUG.2019 00:09:10

Lowest Channel / 15MHz / 16QAM



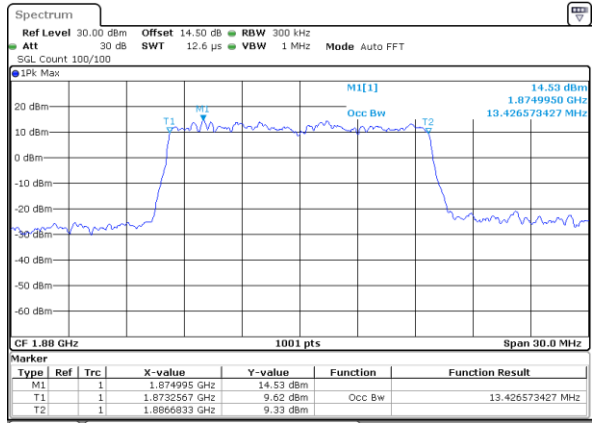
Date: 31.AUG.2019 00:10:19

Middle Channel / 15MHz / QPSK



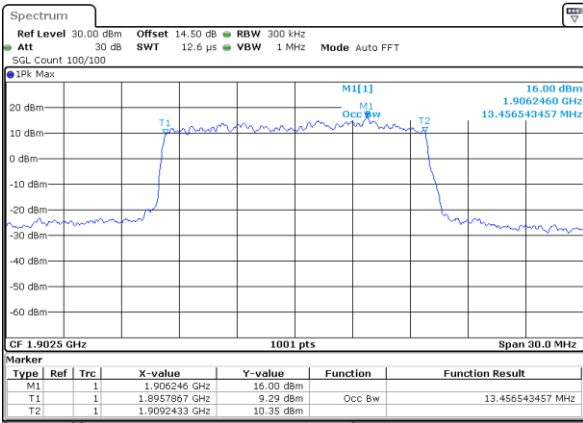
Date: 31.AUG.2019 00:16:19

Middle Channel / 15MHz / 16QAM



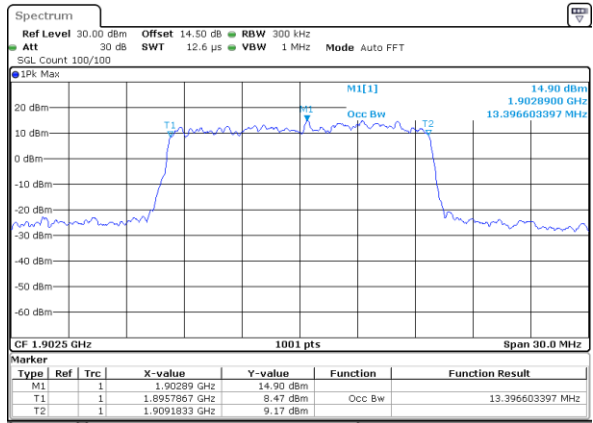
Date: 31.AUG.2019 00:16:29

Highest Channel / 15MHz / QPSK



Date: 31.AUG.2019 00:18:51

Highest Channel / 15MHz / 16QAM

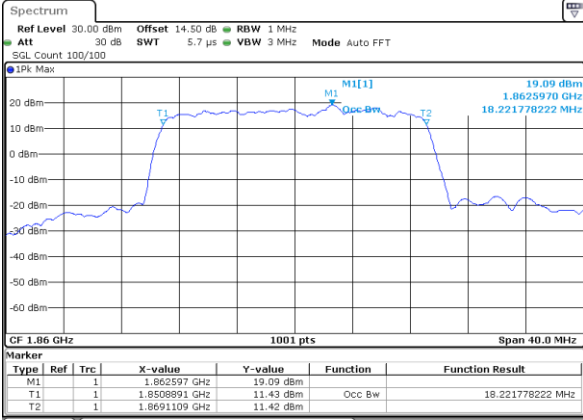


Date: 31.AUG.2019 00:19:01



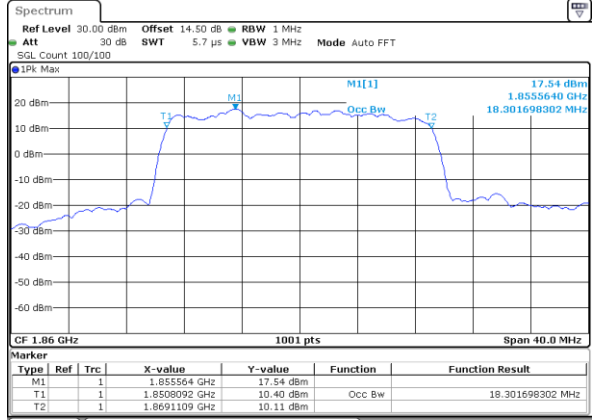
LTE Band 2

Lowest Channel / 20MHz / QPSK



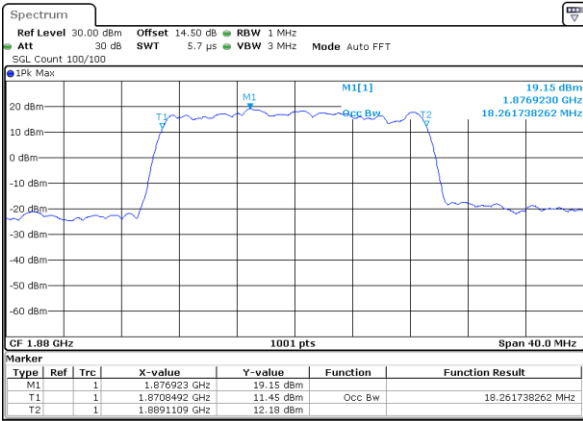
Date: 31.AUG.2019 00:32:55

Lowest Channel / 20MHz / 16QAM



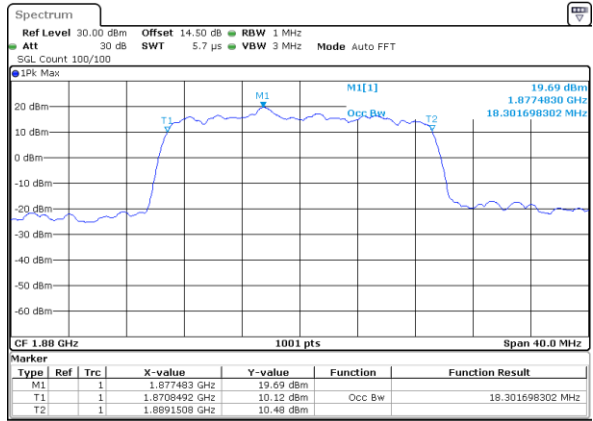
Date: 31.AUG.2019 00:33:05

Middle Channel / 20MHz / QPSK



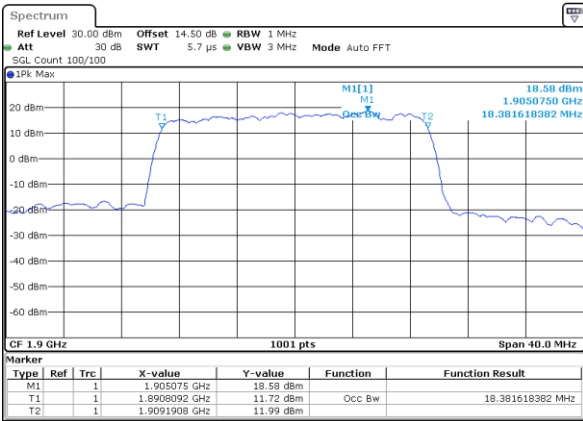
Date: 31.AUG.2019 00:40:02

Middle Channel / 20MHz / 16QAM



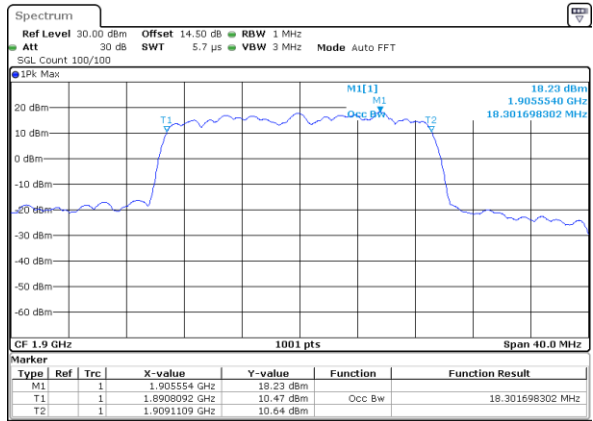
Date: 31.AUG.2019 00:40:12

Highest Channel / 20MHz / QPSK



Date: 31.AUG.2019 00:42:33

Highest Channel / 20MHz / 16QAM



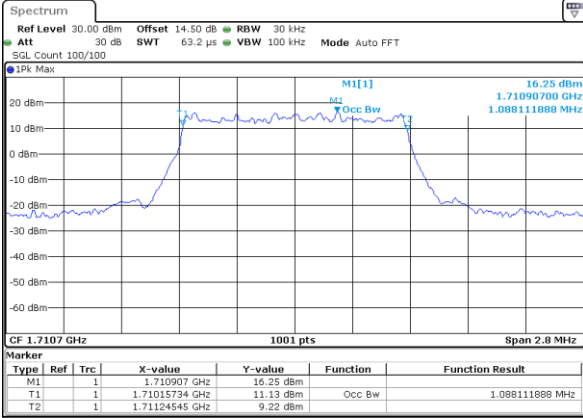
Date: 31.AUG.2019 00:42:43





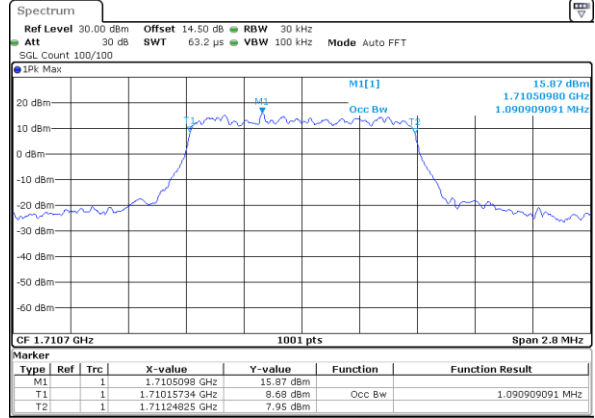
LTE Band 4

Lowest Channel / 1.4MHz / QPSK



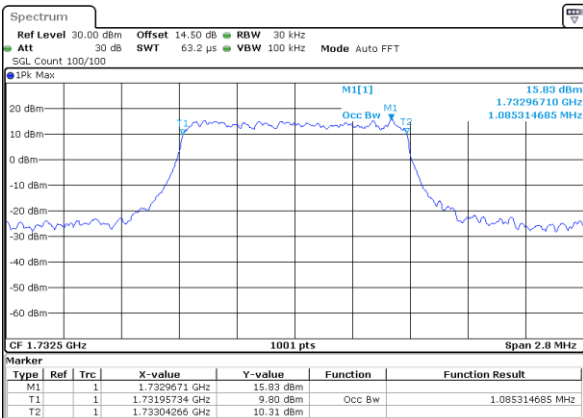
Date: 31.AUG.2019 01:08:27

Lowest Channel / 1.4MHz / 16QAM



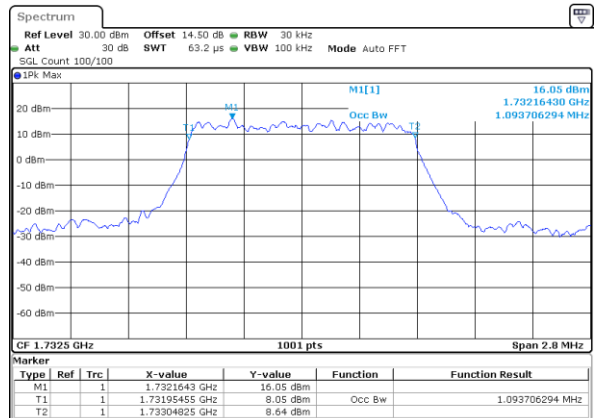
Date: 31.AUG.2019 01:08:38

Middle Channel / 1.4MHz / QPSK



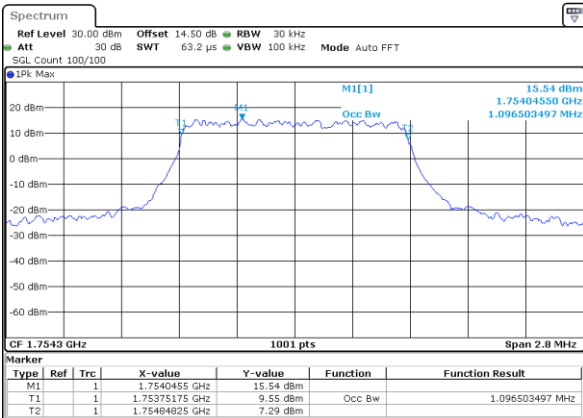
Date: 31.AUG.2019 01:15:41

Middle Channel / 1.4MHz / 16QAM



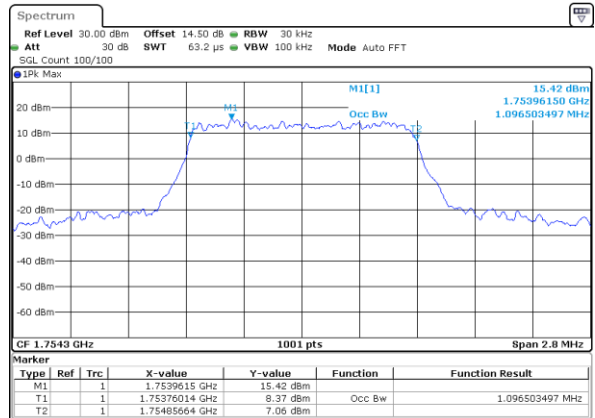
Date: 31.AUG.2019 01:15:51

Highest Channel / 1.4MHz / QPSK



Date: 31.AUG.2019 01:18:15

Highest Channel / 1.4MHz / 16QAM

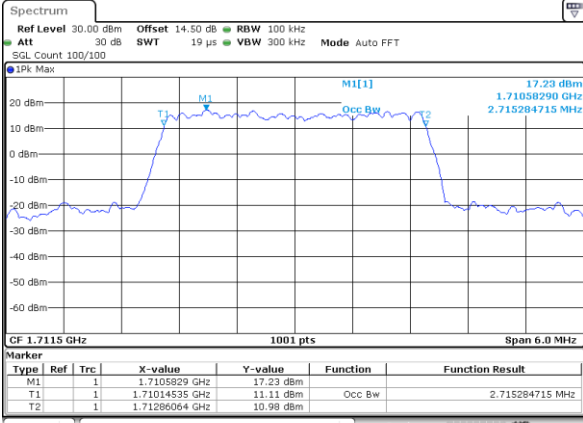


Date: 31.AUG.2019 01:18:25



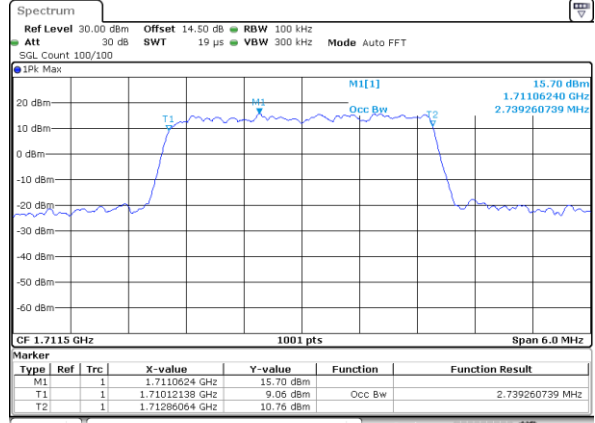
LTE Band 4

Lowest Channel / 3MHz / QPSK



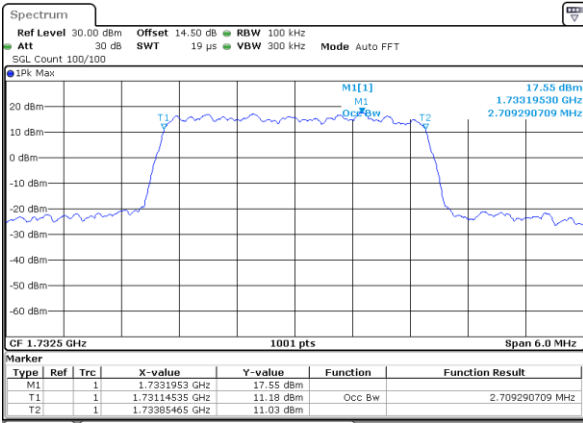
Date: 31.AUG.2019 01:26:24

Lowest Channel / 3MHz / 16QAM



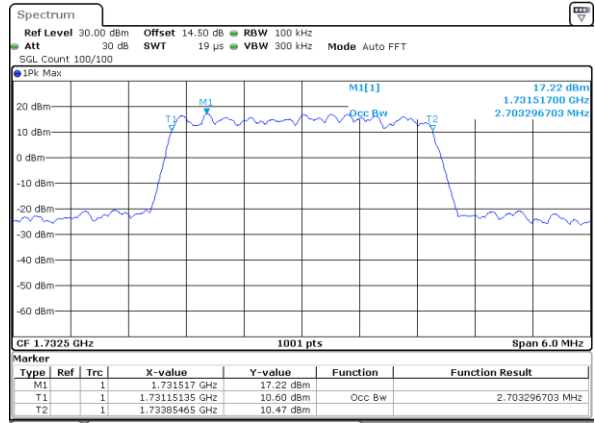
Date: 31.AUG.2019 01:26:35

Middle Channel / 3MHz / QPSK



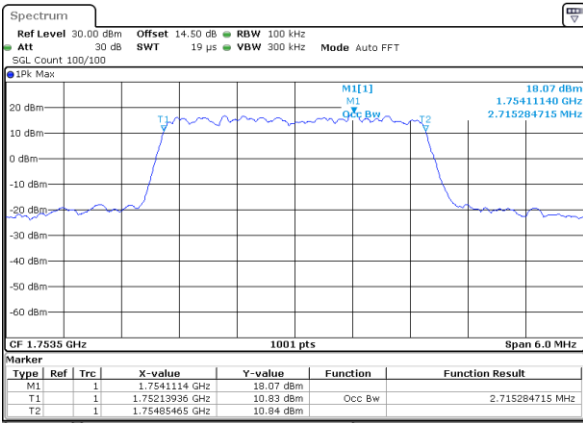
Date: 31.AUG.2019 01:33:39

Middle Channel / 3MHz / 16QAM



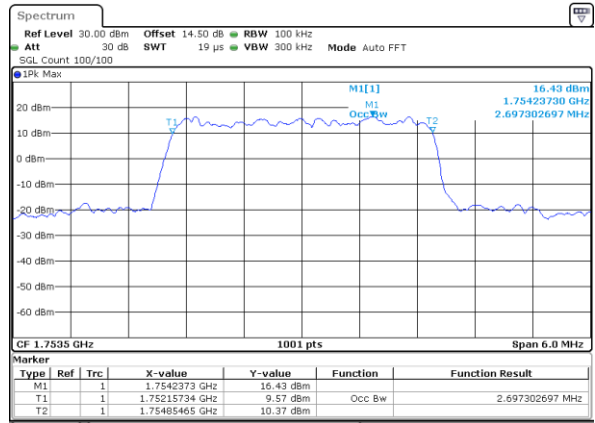
Date: 31.AUG.2019 01:33:50

Highest Channel / 3MHz / QPSK



Date: 31.AUG.2019 01:36:13

Highest Channel / 3MHz / 16QAM

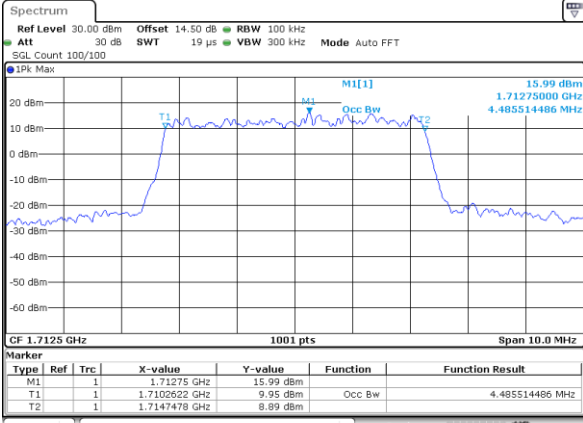


Date: 31.AUG.2019 01:36:23



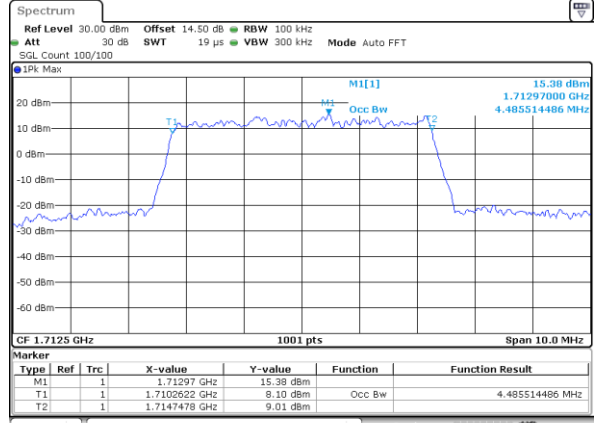
LTE Band 4

Lowest Channel / 5MHz / QPSK



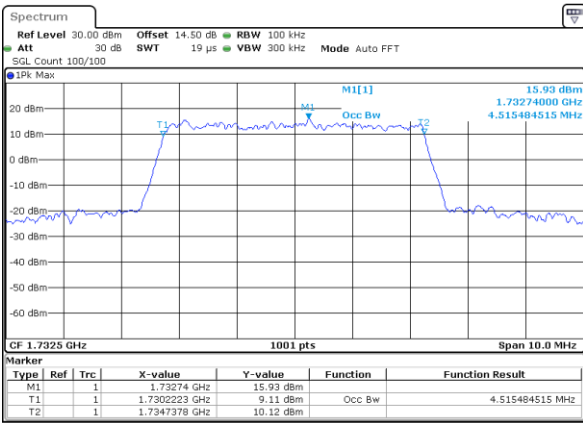
Date: 31.AUG.2019 02:10:15

Lowest Channel / 5MHz / 16QAM



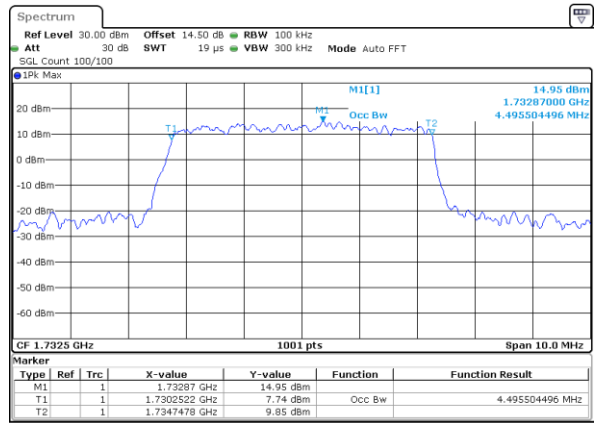
Date: 31.AUG.2019 02:10:125

Middle Channel / 5MHz / QPSK



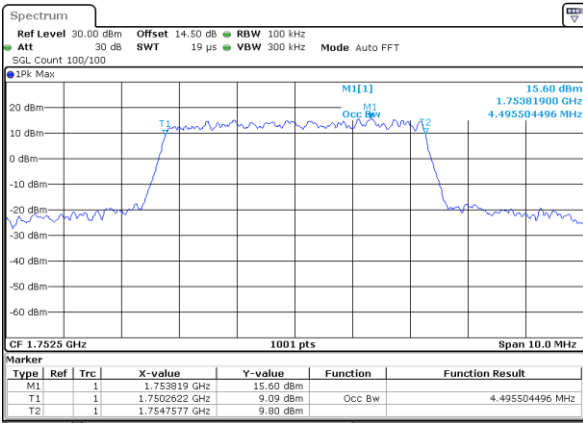
Date: 31.AUG.2019 02:10:130

Middle Channel / 5MHz / 16QAM



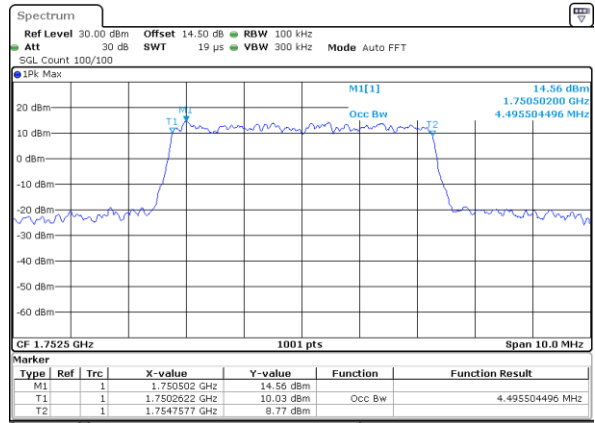
Date: 31.AUG.2019 02:10:140

Highest Channel / 5MHz / QPSK



Date: 31.AUG.2019 02:10:105

Highest Channel / 5MHz / 16QAM

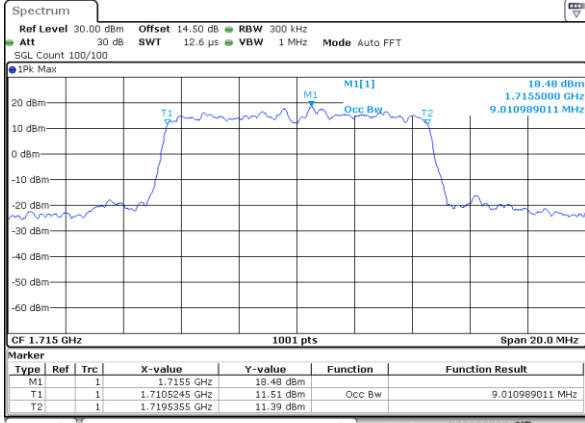


Date: 31.AUG.2019 02:10:115



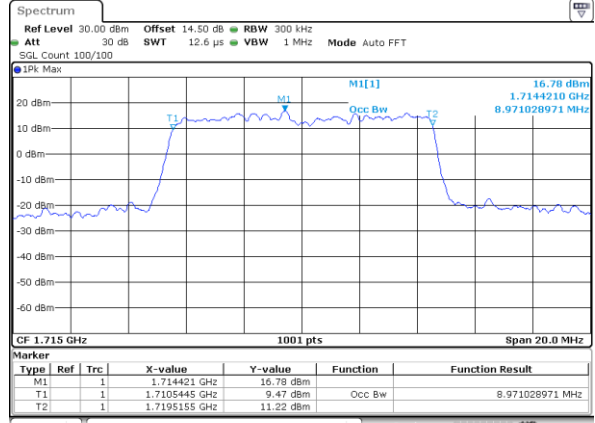
LTE Band 4

Lowest Channel / 10MHz / QPSK



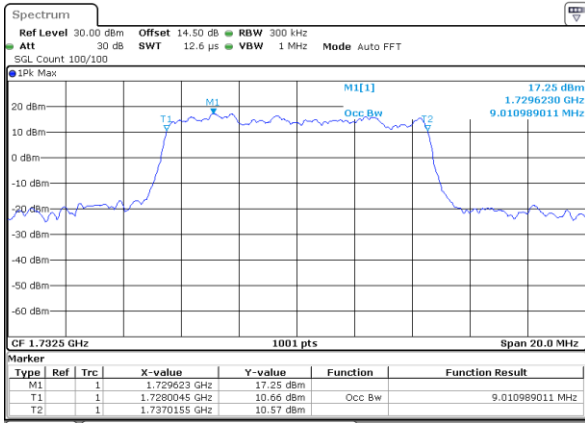
Date: 31.AUG.2019 02:23:36

Lowest Channel / 10MHz / 16QAM



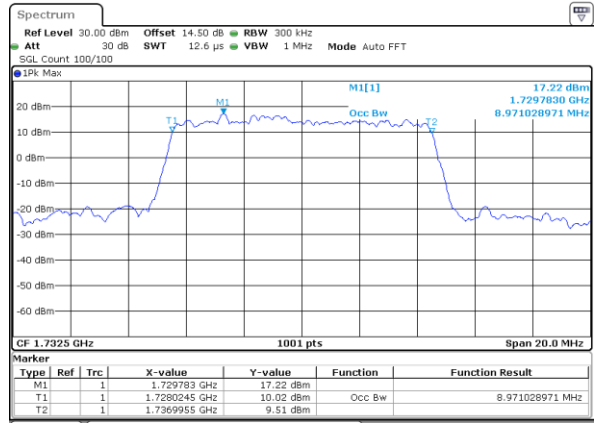
Date: 31.AUG.2019 02:23:47

Middle Channel / 10MHz / QPSK



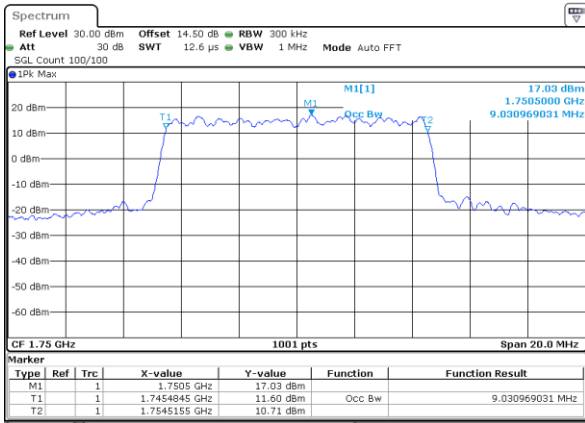
Date: 31.AUG.2019 02:30:50

Middle Channel / 10MHz / 16QAM



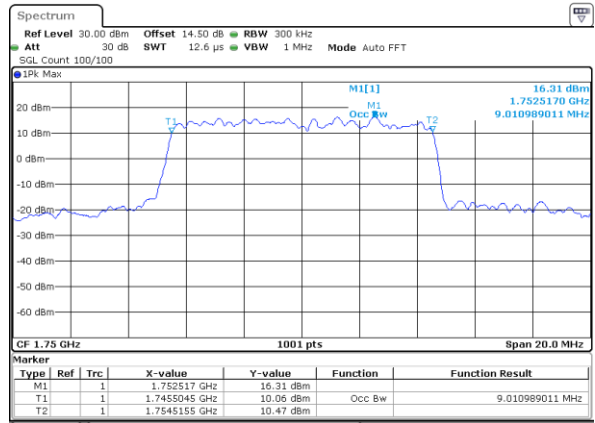
Date: 31.AUG.2019 02:31:01

Highest Channel / 10MHz / QPSK



Date: 31.AUG.2019 02:33:24

Highest Channel / 10MHz / 16QAM

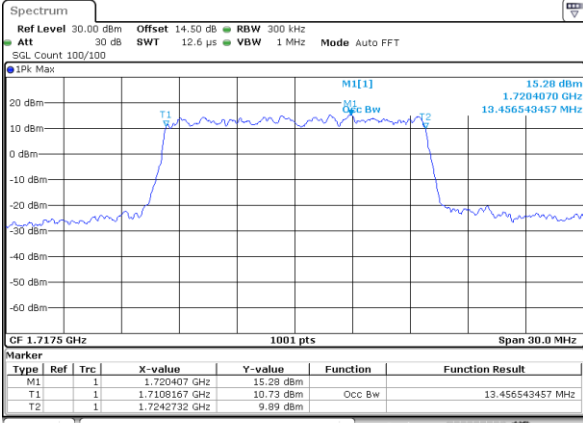


Date: 31.AUG.2019 02:33:35



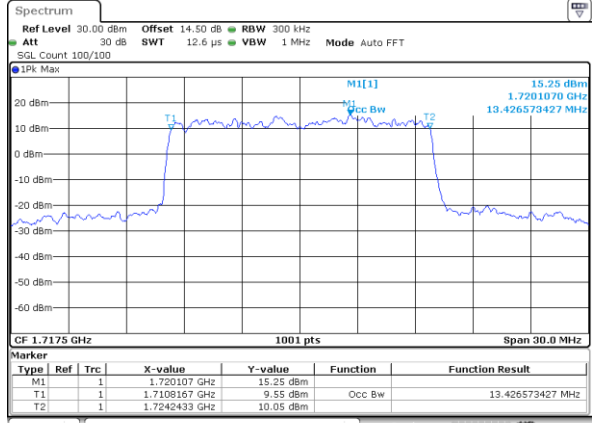
LTE Band 4

Lowest Channel / 15MHz / QPSK



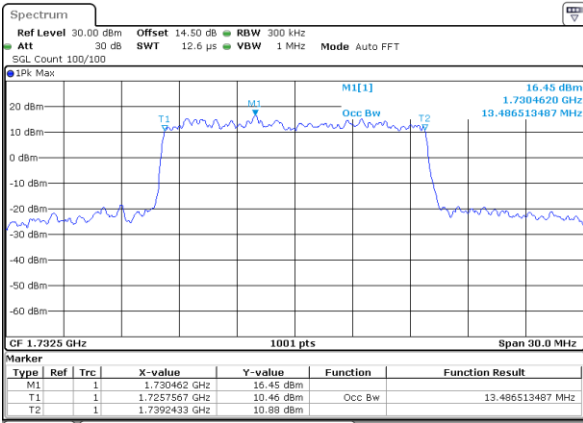
Date: 31.AUG.2019 02:43:34

Lowest Channel / 15MHz / 16QAM



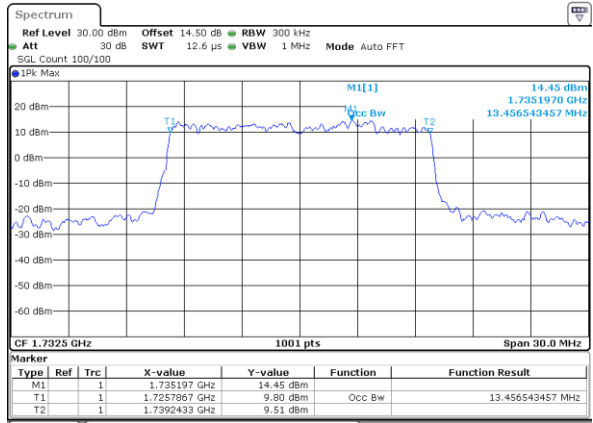
Date: 31.AUG.2019 02:43:45

Middle Channel / 15MHz / QPSK



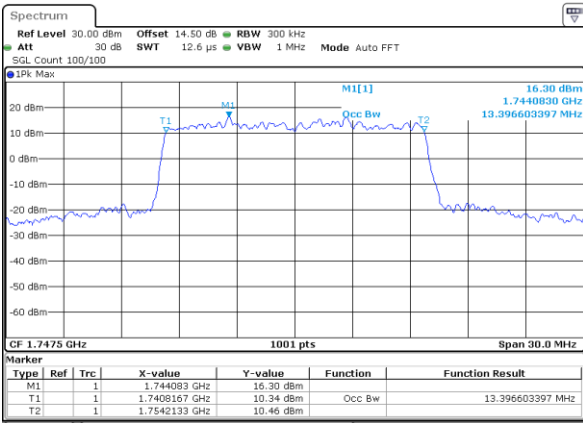
Date: 31.AUG.2019 02:50:49

Middle Channel / 15MHz / 16QAM



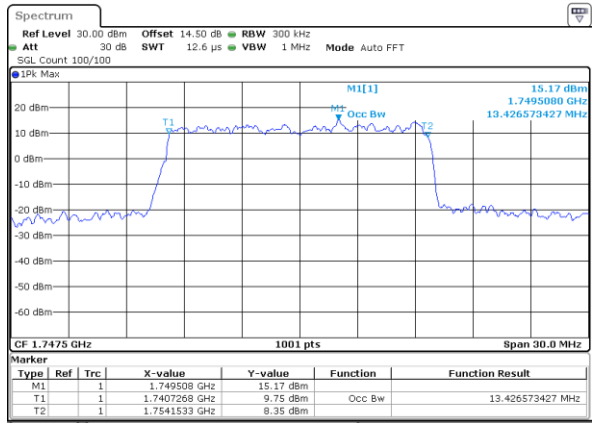
Date: 31.AUG.2019 02:50:59

Highest Channel / 15MHz / QPSK



Date: 31.AUG.2019 02:53:22

Highest Channel / 15MHz / 16QAM

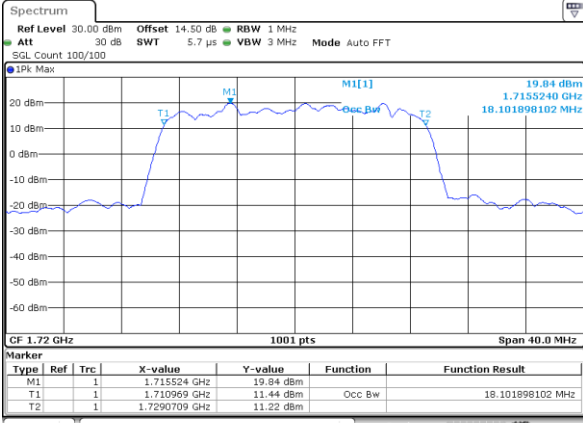


Date: 31.AUG.2019 02:53:33



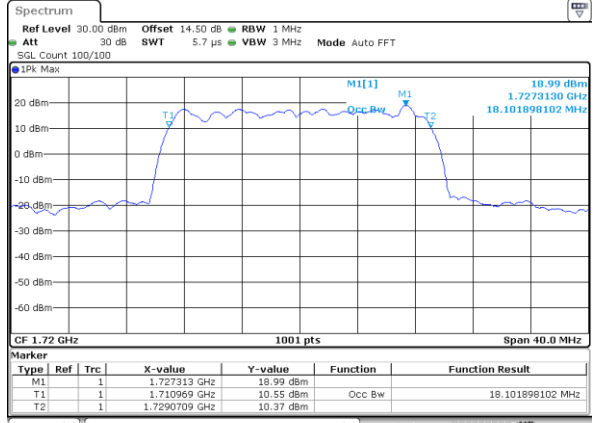
LTE Band 4

Lowest Channel / 20MHz / QPSK



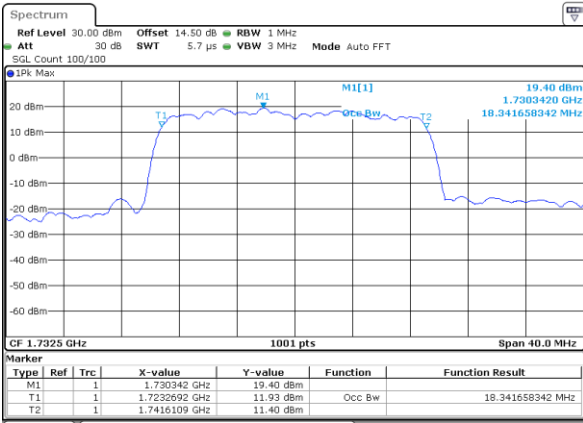
Date: 31.AUG.2019 03:01:56

Lowest Channel / 20MHz / 16QAM



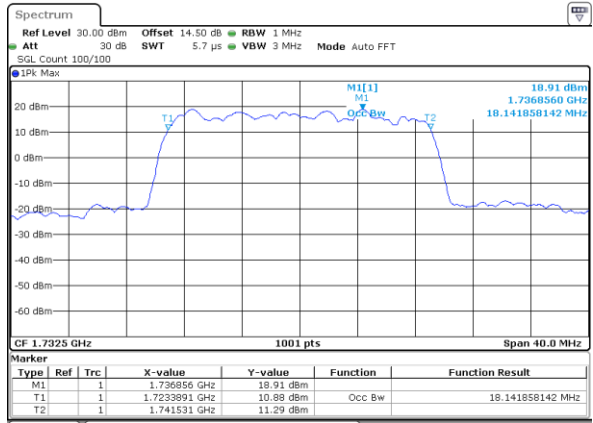
Date: 31.AUG.2019 03:02:07

Middle Channel / 20MHz / QPSK



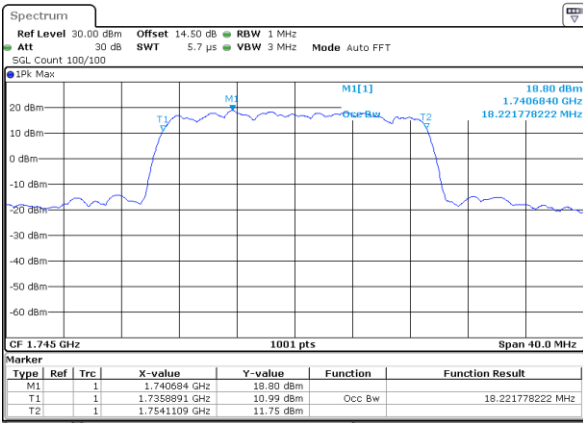
Date: 31.AUG.2019 03:09:11

Middle Channel / 20MHz / 16QAM



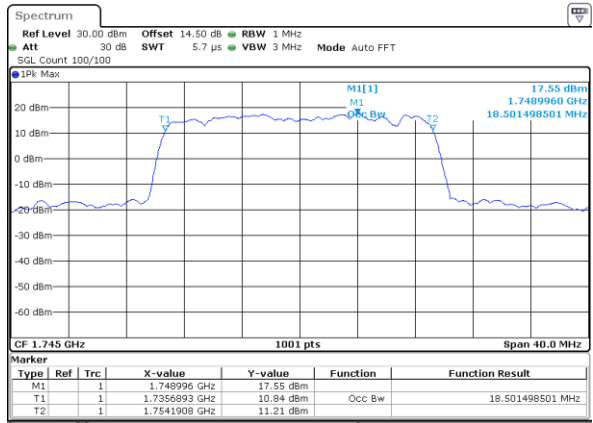
Date: 31.AUG.2019 03:09:21

Highest Channel / 20MHz / QPSK



Date: 31.AUG.2019 03:11:46

Highest Channel / 20MHz / 16QAM

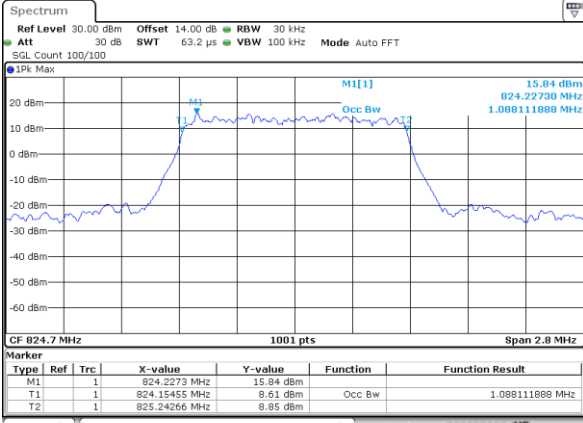


Date: 31.AUG.2019 03:11:56



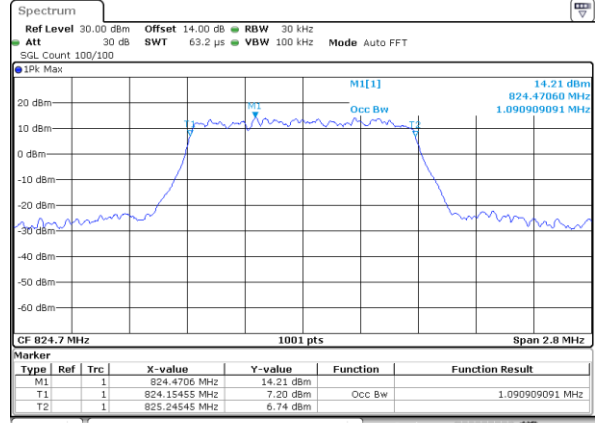
LTE Band 5

Lowest Channel / 1.4MHz / QPSK



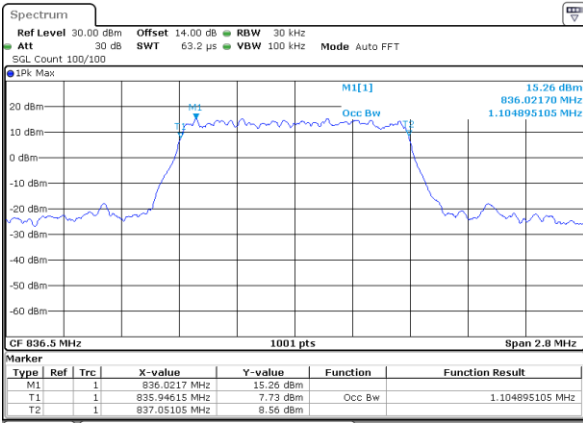
Date: 31.AUG.2019 04:36:30

Lowest Channel / 1.4MHz / 16QAM



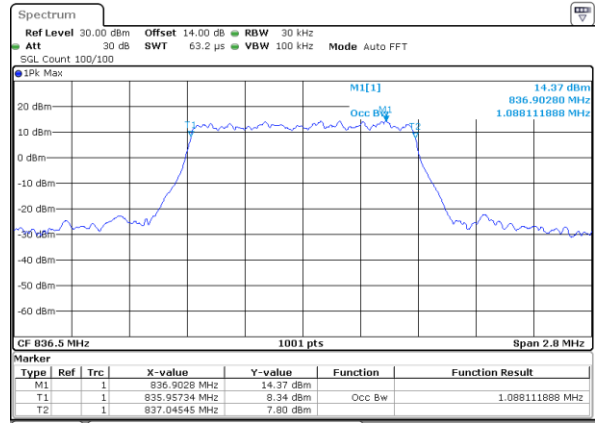
Date: 31.AUG.2019 04:36:41

Middle Channel / 1.4MHz / QPSK



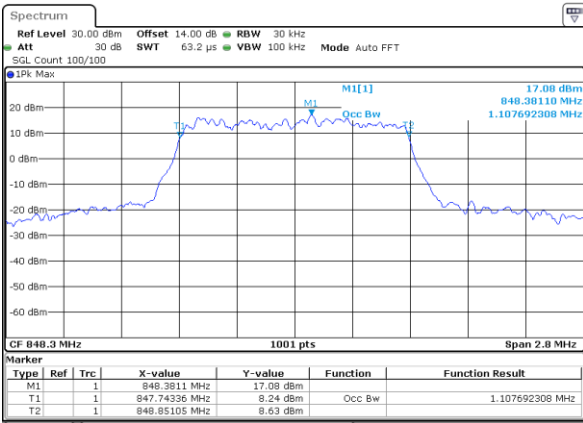
Date: 31.AUG.2019 04:45:46

Middle Channel / 1.4MHz / 16QAM



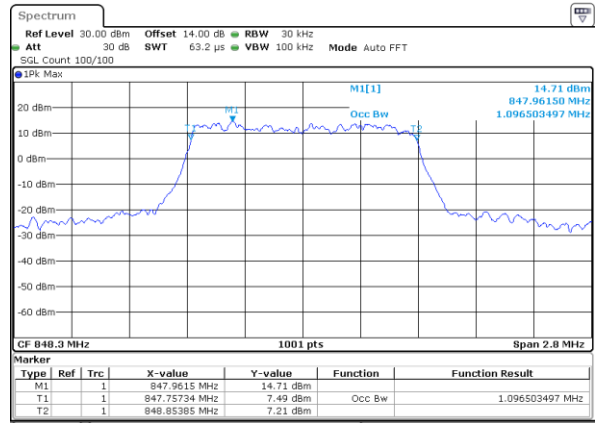
Date: 31.AUG.2019 04:45:56

Highest Channel / 1.4MHz / QPSK



Date: 31.AUG.2019 04:48:20

Highest Channel / 1.4MHz / 16QAM



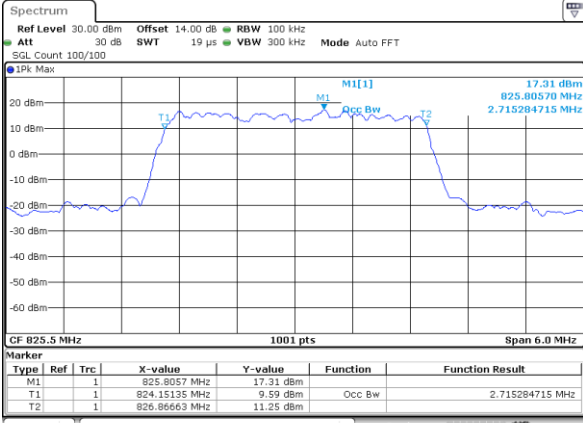
Date: 31.AUG.2019 04:48:30





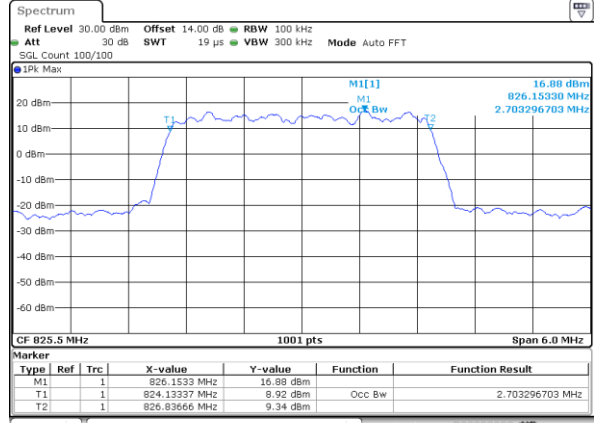
LTE Band 5

Lowest Channel / 3MHz / QPSK



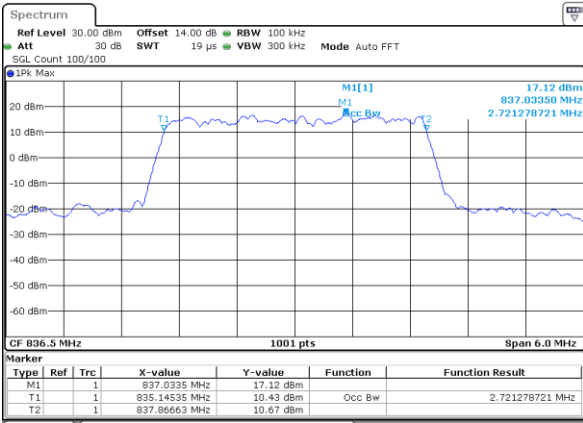
Date: 31.AUG.2019 04:57:34

Lowest Channel / 3MHz / 16QAM



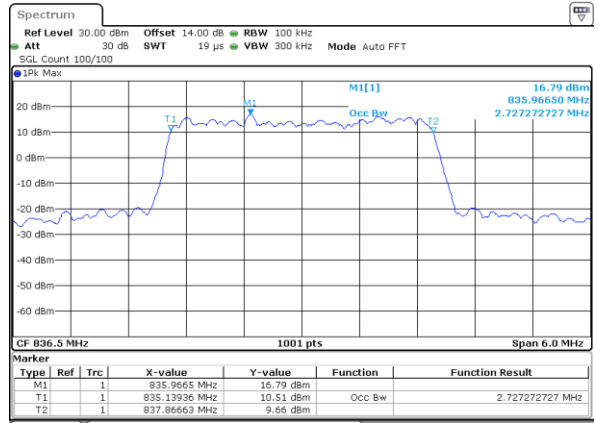
Date: 31.AUG.2019 04:57:44

Middle Channel / 3MHz / QPSK



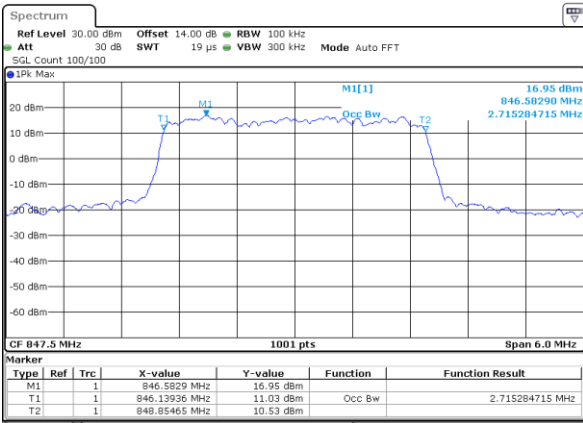
Date: 31.AUG.2019 05:06:47

Middle Channel / 3MHz / 16QAM



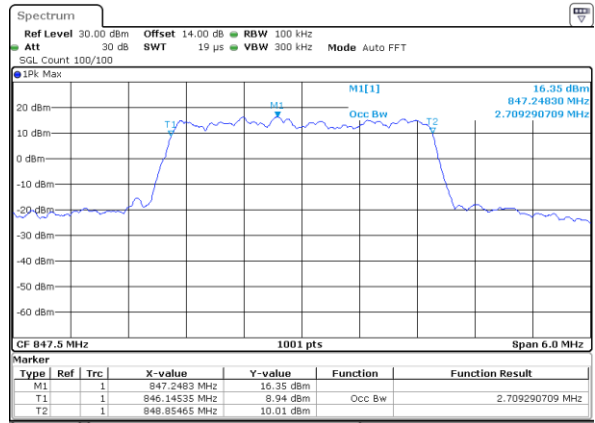
Date: 31.AUG.2019 05:06:57

Highest Channel / 3MHz / QPSK



Date: 31.AUG.2019 05:09:22

Highest Channel / 3MHz / 16QAM

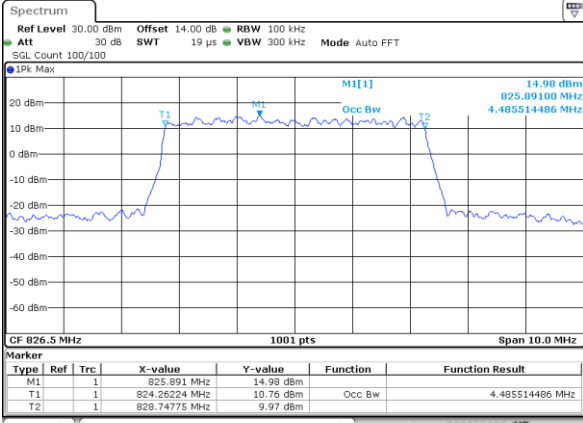


Date: 31.AUG.2019 05:09:32



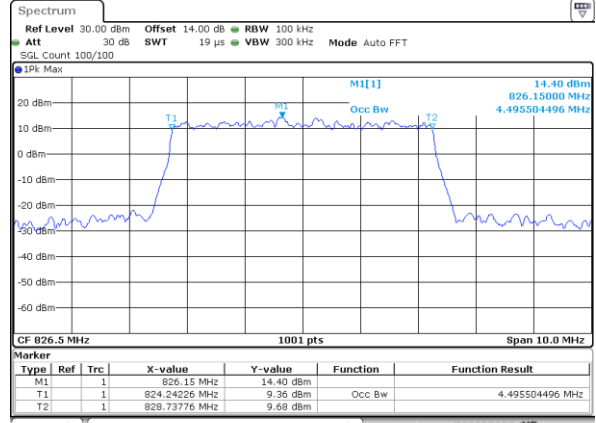
LTE Band 5

Lowest Channel / 5MHz / QPSK



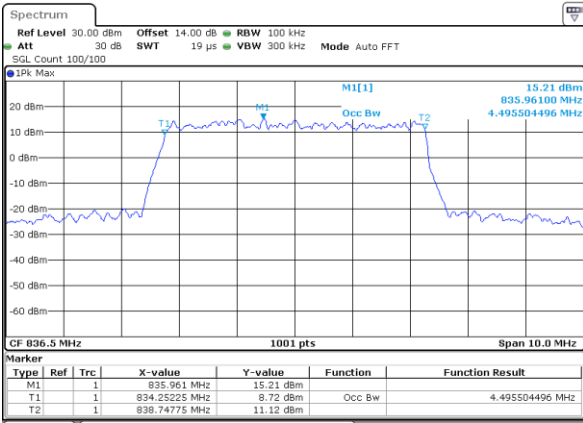
Date: 31.AUG.2019 05:18:35

Lowest Channel / 5MHz / 16QAM



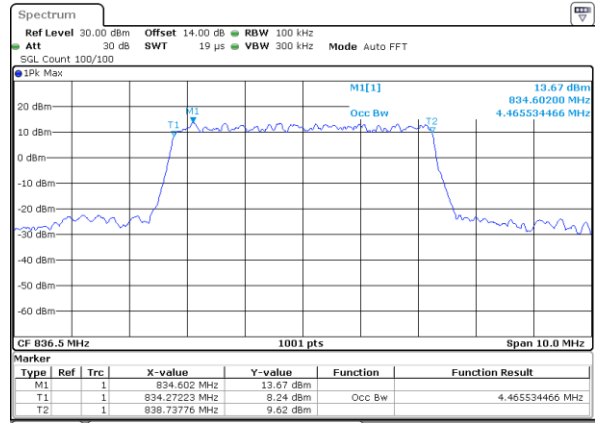
Date: 31.AUG.2019 05:18:45

Middle Channel / 5MHz / QPSK



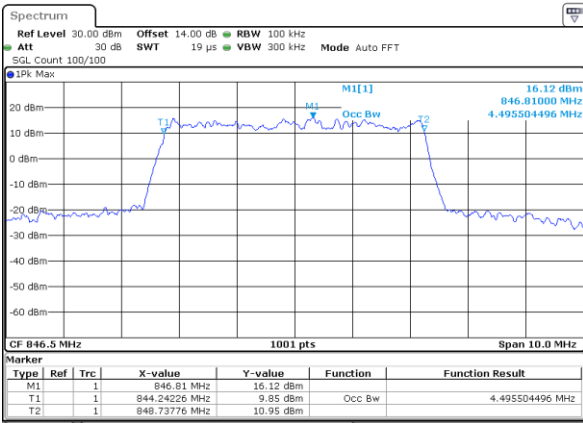
Date: 31.AUG.2019 05:27:48

Middle Channel / 5MHz / 16QAM



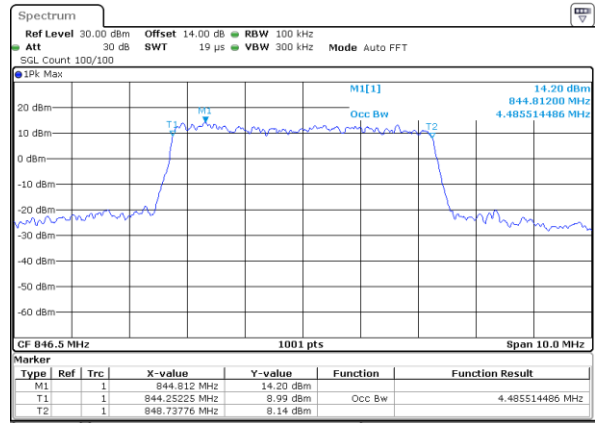
Date: 31.AUG.2019 05:27:58

Highest Channel / 5MHz / QPSK



Date: 31.AUG.2019 05:30:22

Highest Channel / 5MHz / 16QAM



Date: 31.AUG.2019 05:30:32