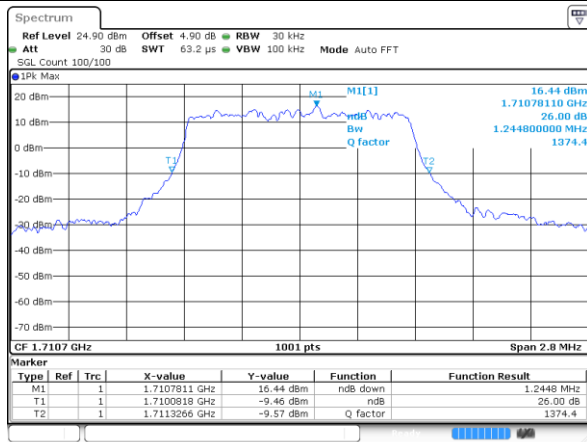




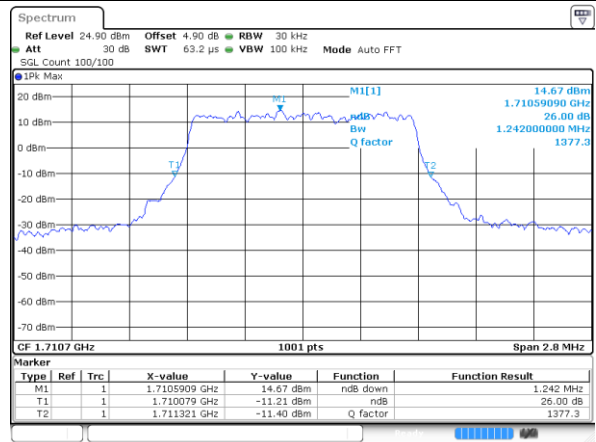
LTE Band 4

Lowest Channel / 1.4MHz / QPSK



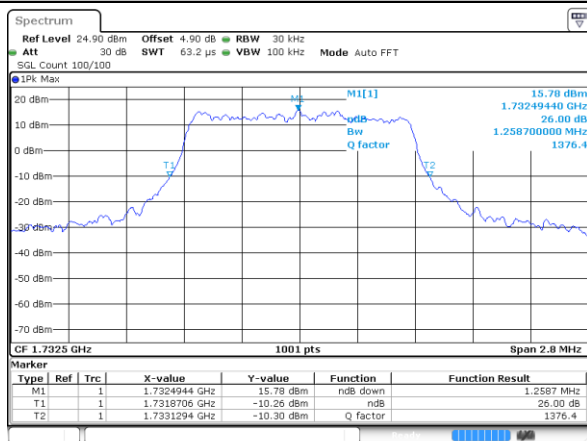
Date: 13 JUL 2019 17:56:49

Lowest Channel / 1.4MHz / 16QAM



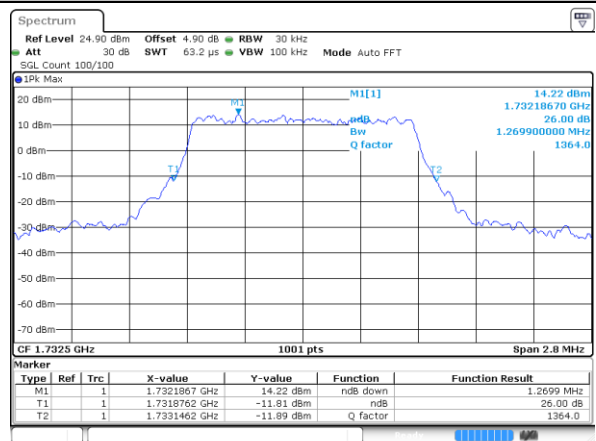
Date: 13 JUL 2019 17:56:59

Middle Channel / 1.4MHz / QPSK



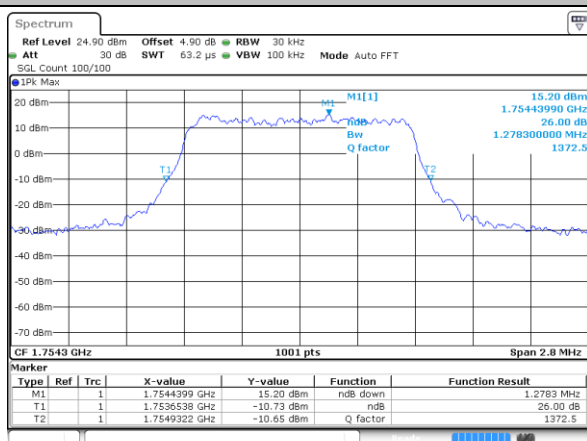
Date: 13 JUL 2019 18:07:52

Middle Channel / 1.4MHz / 16QAM



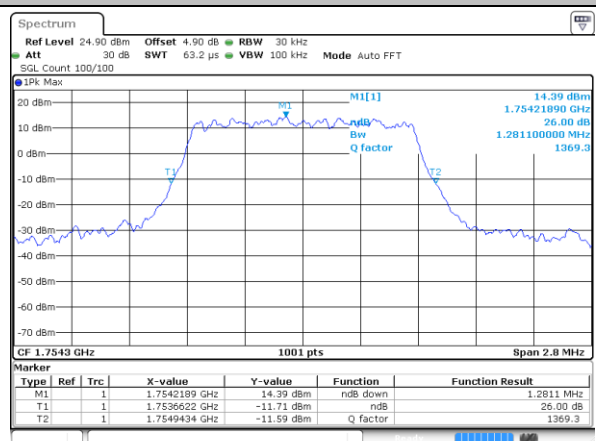
Date: 13 JUL 2019 18:08:02

Highest Channel / 1.4MHz / QPSK



Date: 13 JUL 2019 18:10:24

Highest Channel / 1.4MHz / 16QAM

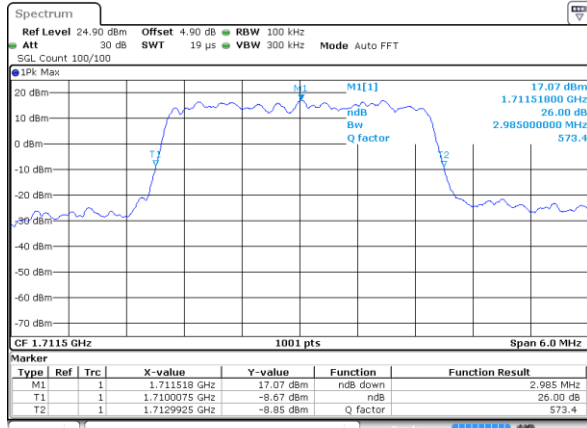


Date: 13 JUL 2019 18:10:34

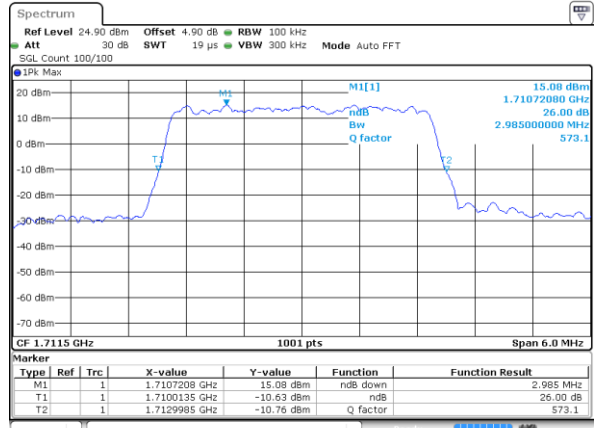


LTE Band 4

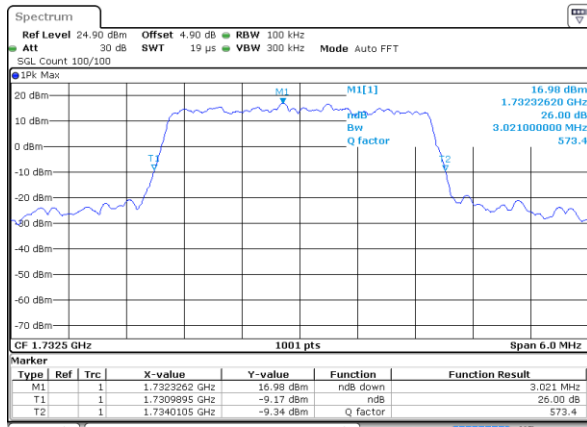
Lowest Channel / 3MHz / QPSK



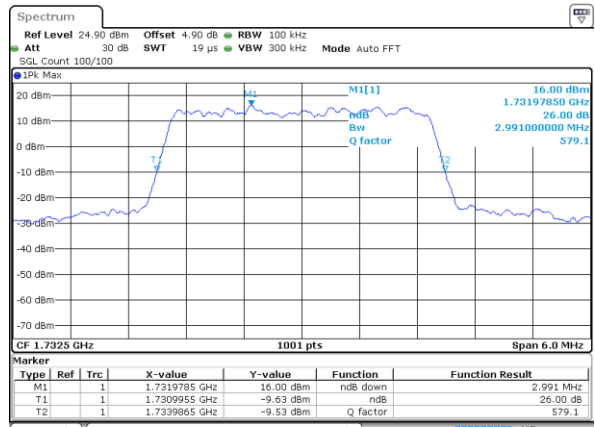
Lowest Channel / 3MHz / 16QAM



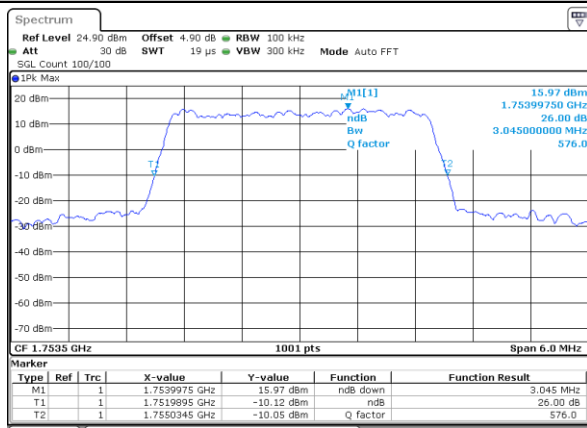
Middle Channel / 3MHz / QPSK



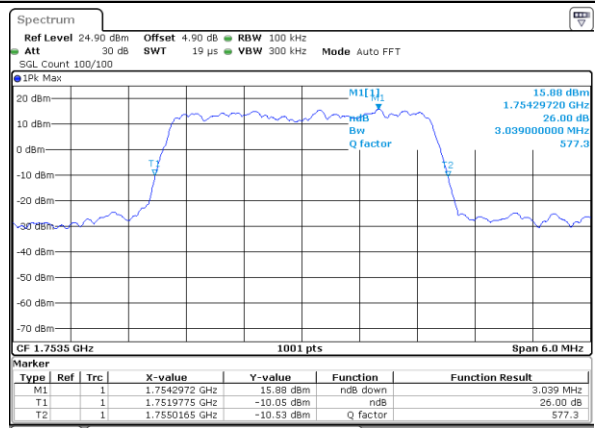
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



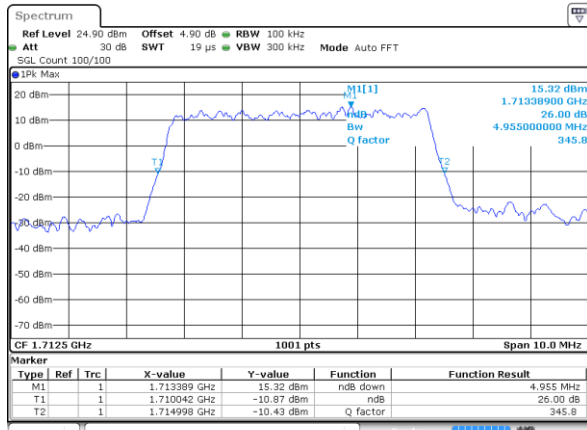
Highest Channel / 3MHz / 16QAM





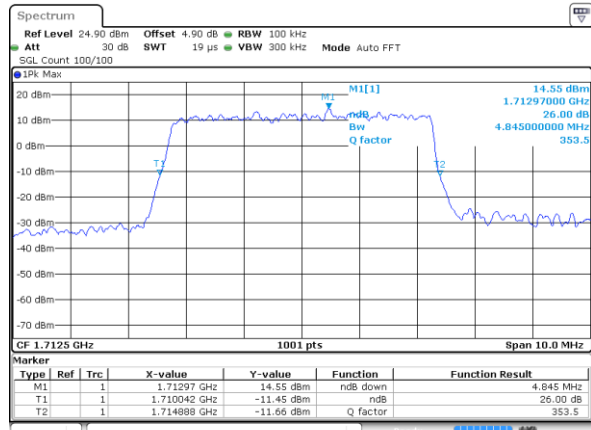
LTE Band 4

Lowest Channel / 5MHz / QPSK



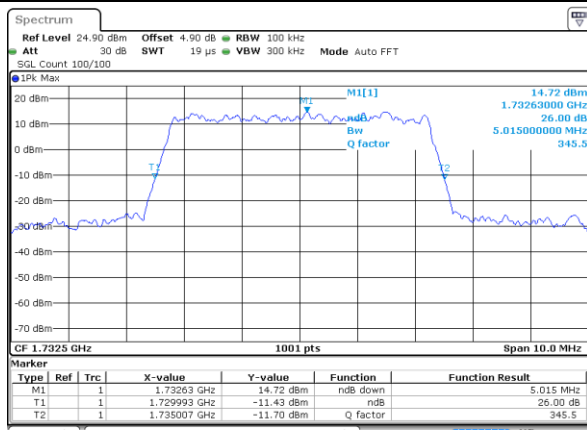
Date: 13 JUL 2019 18:34:15

Lowest Channel / 5MHz / 16QAM



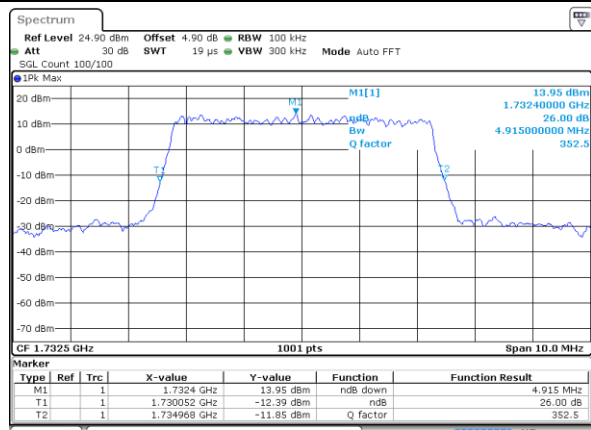
Date: 13 JUL 2019 18:34:25

Middle Channel / 5MHz / QPSK



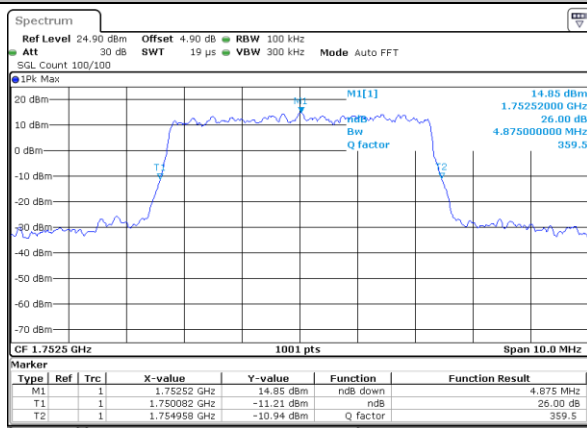
Date: 13 JUL 2019 18:41:22

Middle Channel / 5MHz / 16QAM



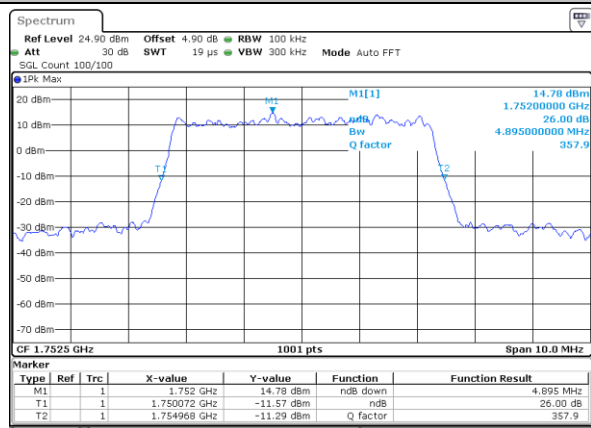
Date: 13 JUL 2019 18:41:32

Highest Channel / 5MHz / QPSK



Date: 13 JUL 2019 18:43:54

Highest Channel / 5MHz / 16QAM

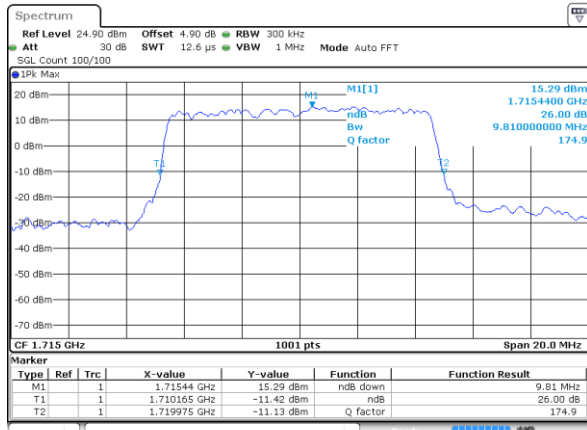


Date: 13 JUL 2019 18:44:04



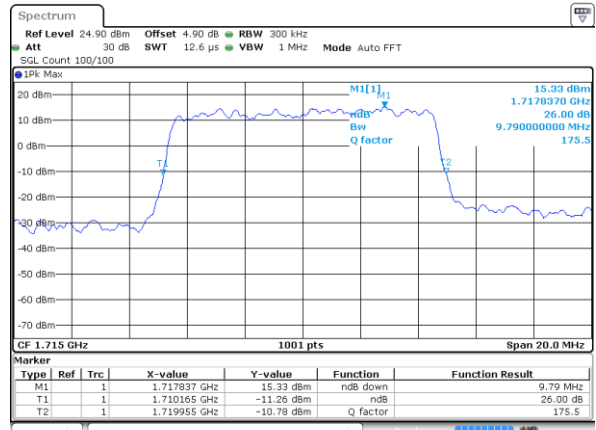
LTE Band 4

Lowest Channel / 10MHz / QPSK



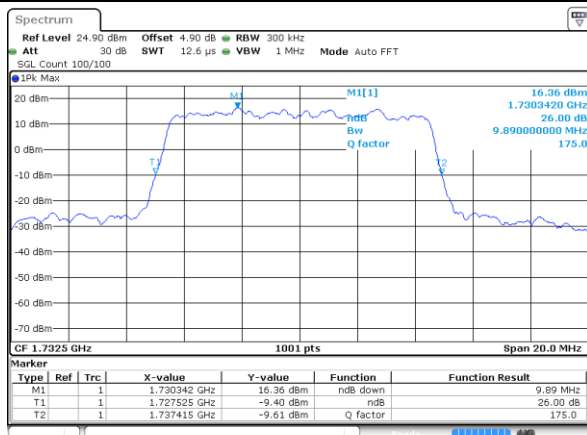
Date: 13 JUL 2019 18:51:01

Lowest Channel / 10MHz / 16QAM



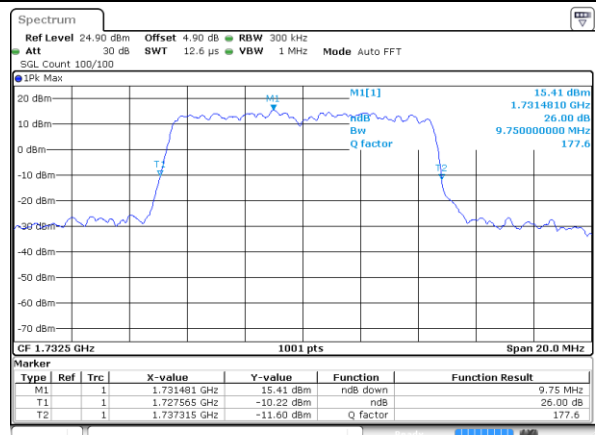
Date: 13 JUL 2019 18:51:11

Middle Channel / 10MHz / QPSK



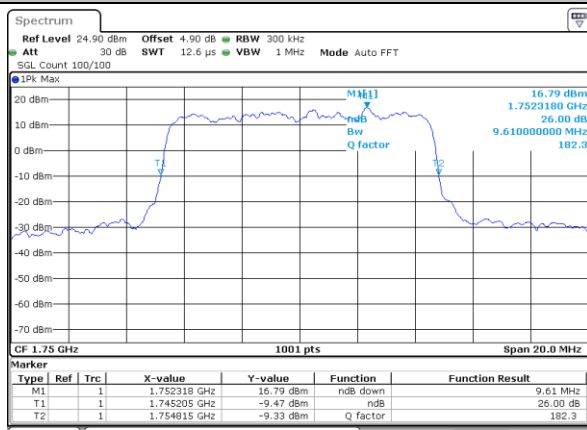
Date: 13 JUL 2019 18:58:09

Middle Channel / 10MHz / 16QAM



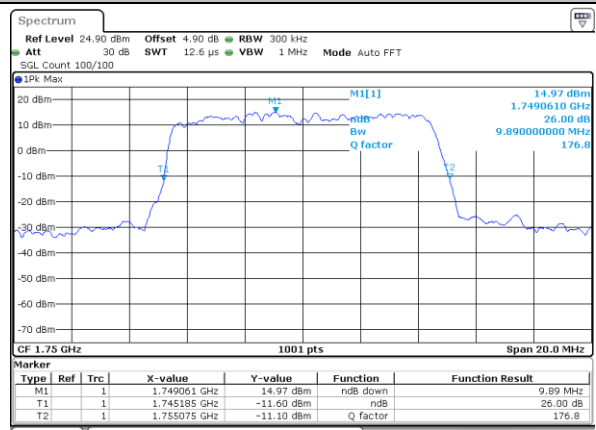
Date: 13 JUL 2019 18:58:19

Highest Channel / 10MHz / QPSK



Date: 13 JUL 2019 19:00:41

Highest Channel / 10MHz / 16QAM

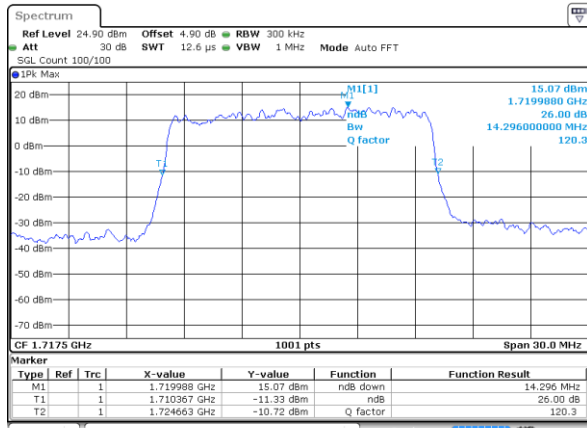


Date: 13 JUL 2019 19:00:50

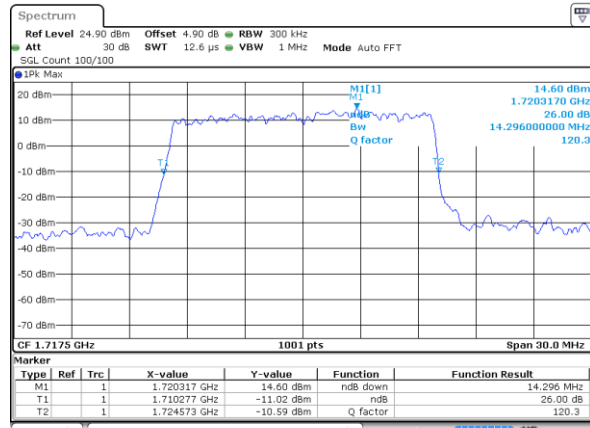


LTE Band 4

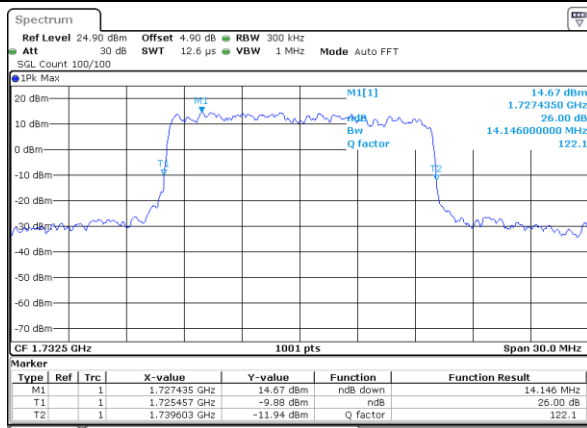
Lowest Channel / 15MHz / QPSK



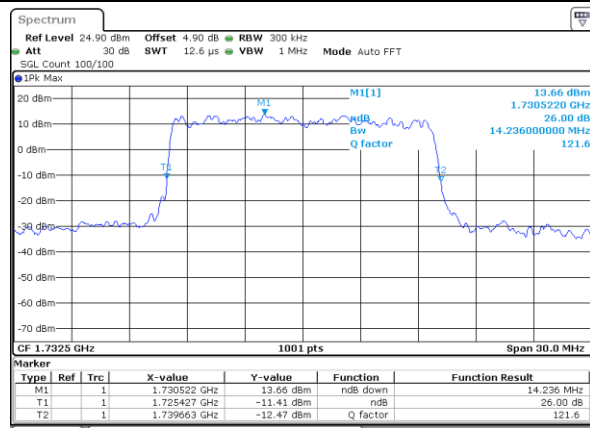
Lowest Channel / 15MHz / 16QAM



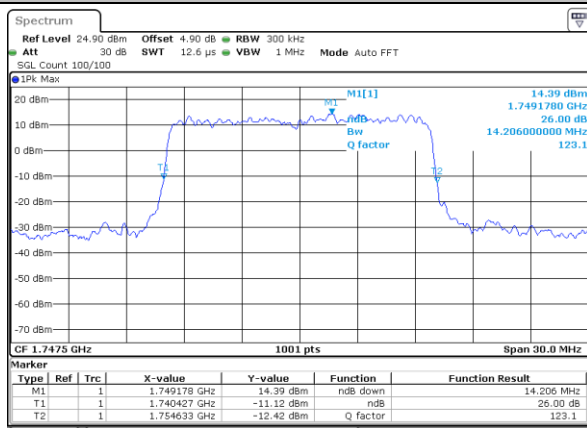
Middle Channel / 15MHz / QPSK



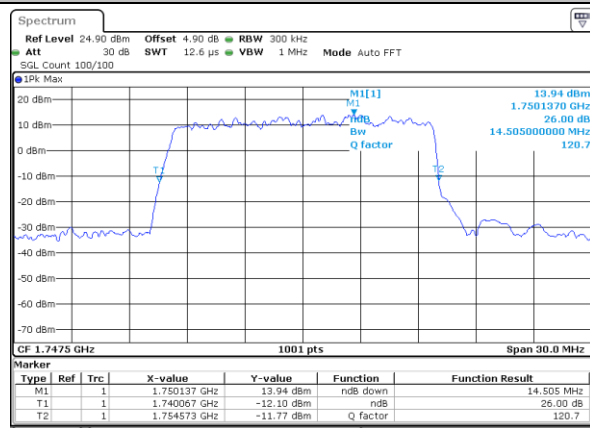
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



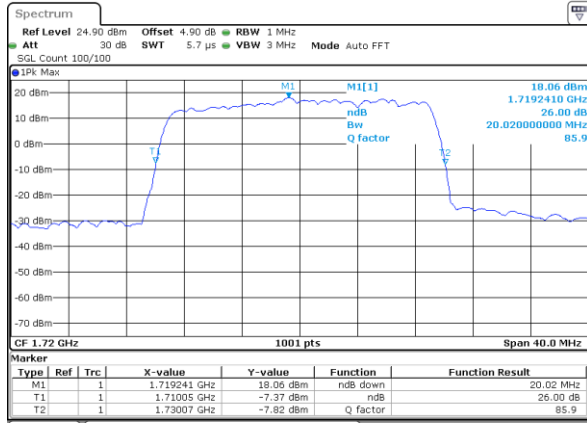
Highest Channel / 15MHz / 16QAM



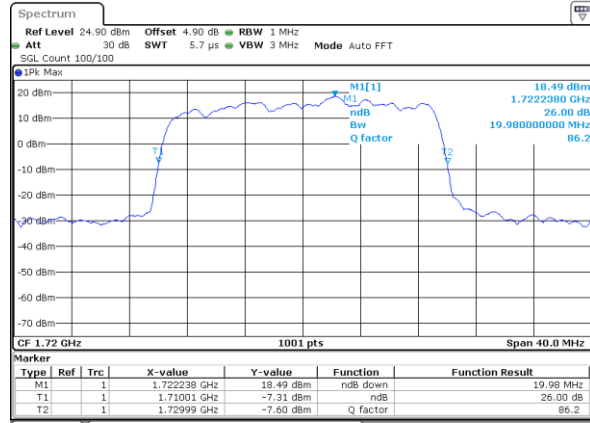


LTE Band 4

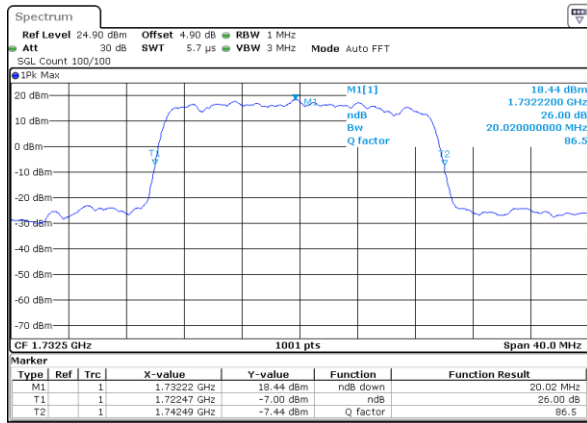
Lowest Channel / 20MHz / QPSK



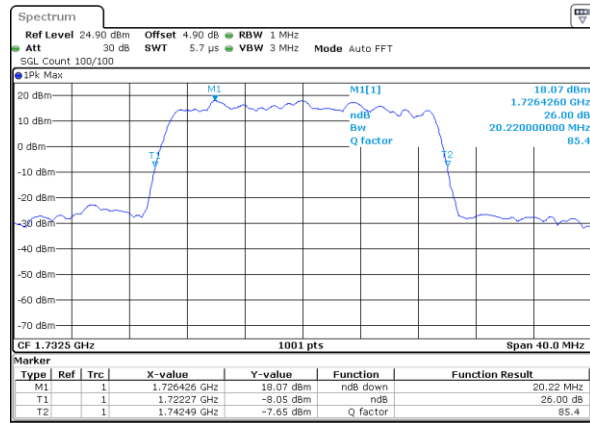
Lowest Channel / 20MHz / 16QAM



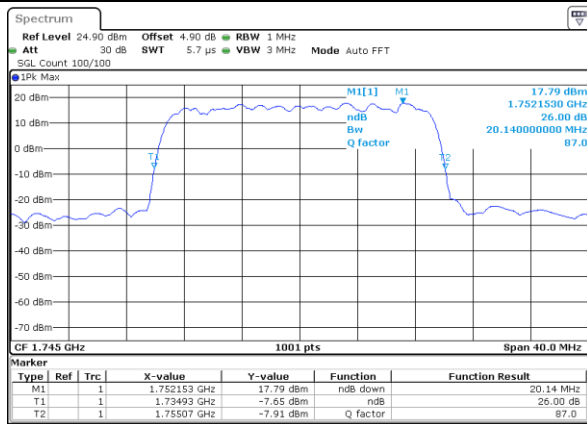
Middle Channel / 20MHz / QPSK



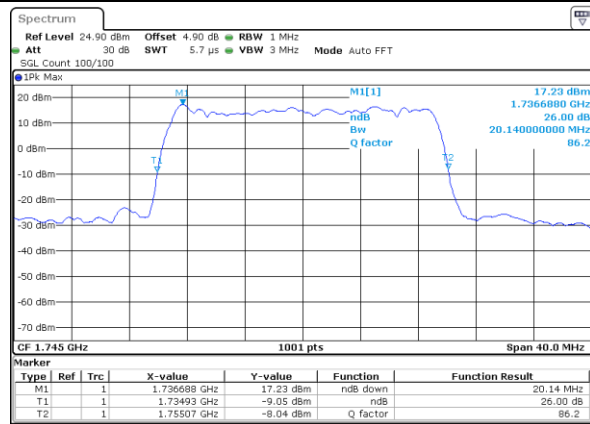
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



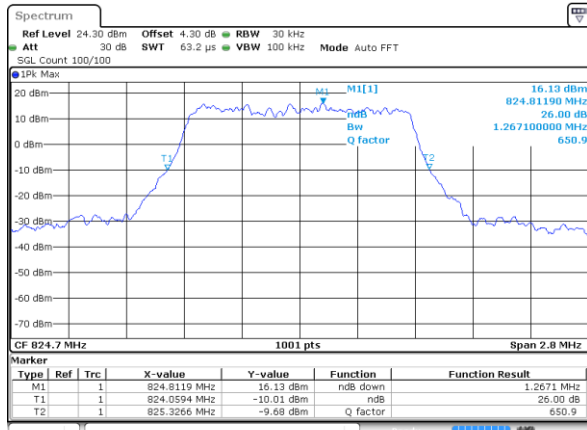
Highest Channel / 20MHz / 16QAM





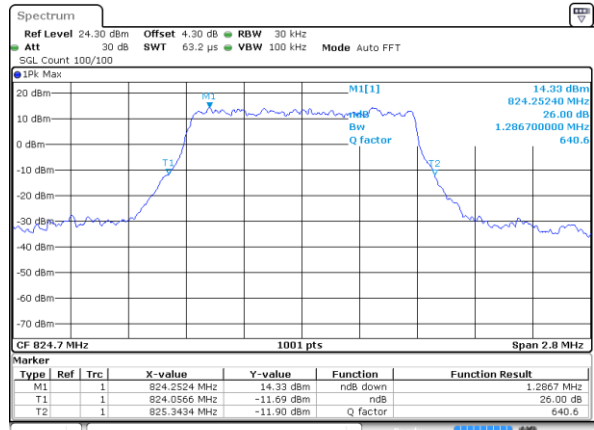
LTE Band 5

Lowest Channel / 1.4MHz / QPSK



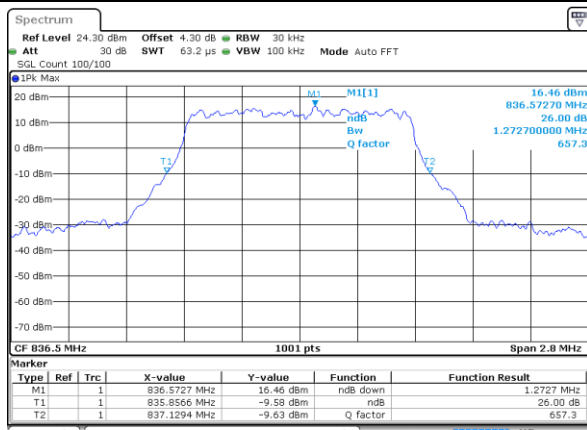
Date: 14 JUL 2019 12:37:17

Lowest Channel / 1.4MHz / 16QAM



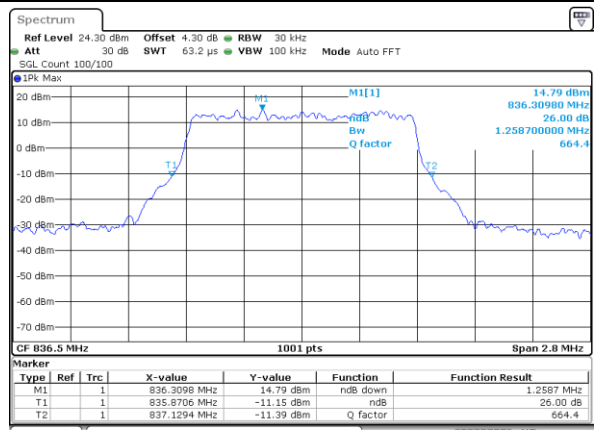
Date: 14 JUL 2019 12:37:07

Middle Channel / 1.4MHz / QPSK



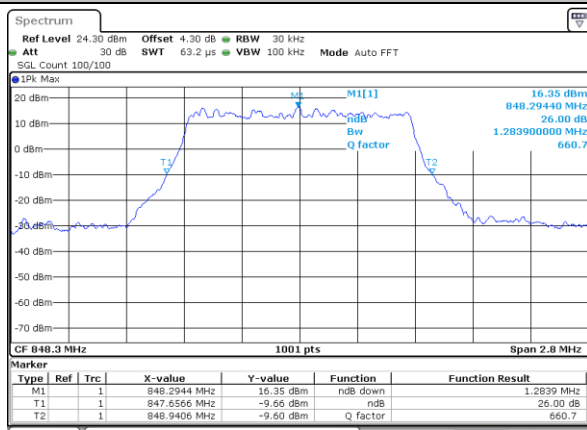
Date: 14 JUL 2019 12:46:05

Middle Channel / 1.4MHz / 16QAM



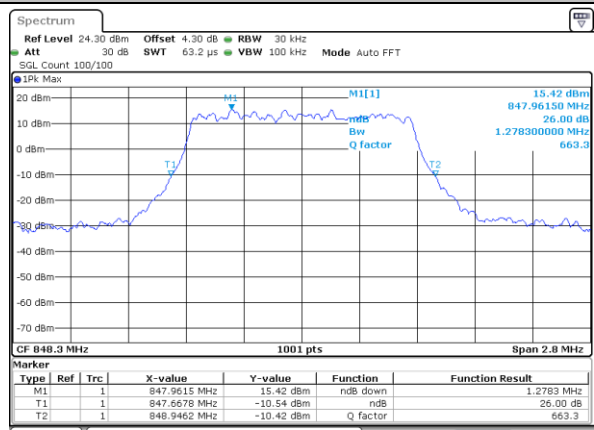
Date: 14 JUL 2019 12:46:15

Highest Channel / 1.4MHz / QPSK



Date: 14 JUL 2019 12:48:33

Highest Channel / 1.4MHz / 16QAM

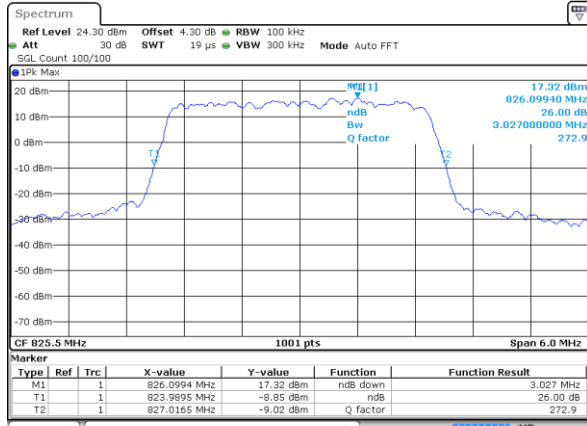


Date: 14 JUL 2019 12:48:43



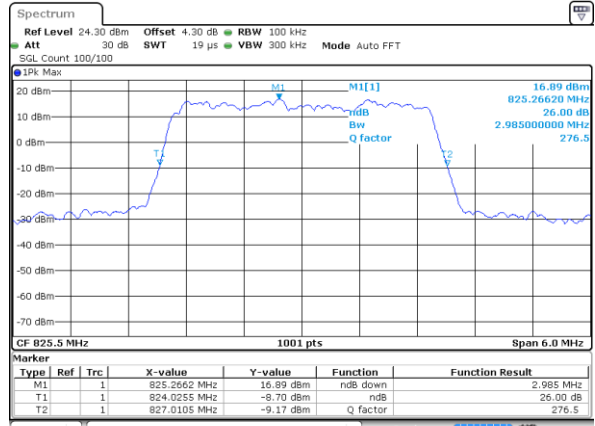
LTE Band 5

Lowest Channel / 3MHz / QPSK



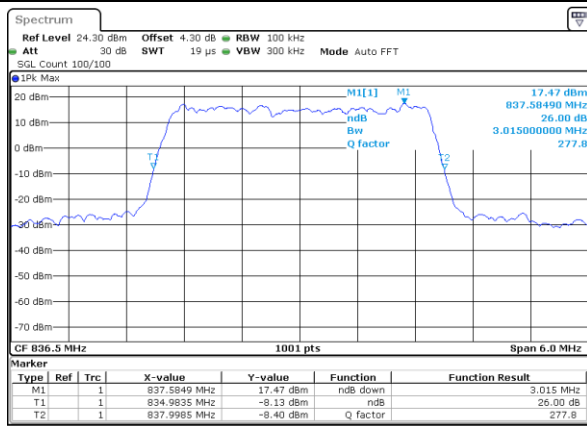
Date: 14 JUL 2019 13:32:28

Lowest Channel / 3MHz / 16QAM



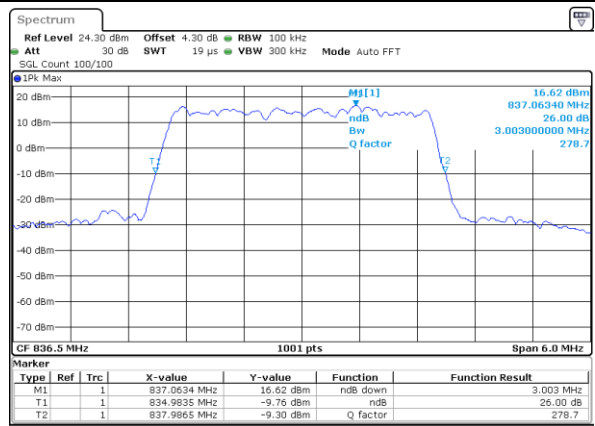
Date: 14 JUL 2019 13:32:36

Middle Channel / 3MHz / QPSK



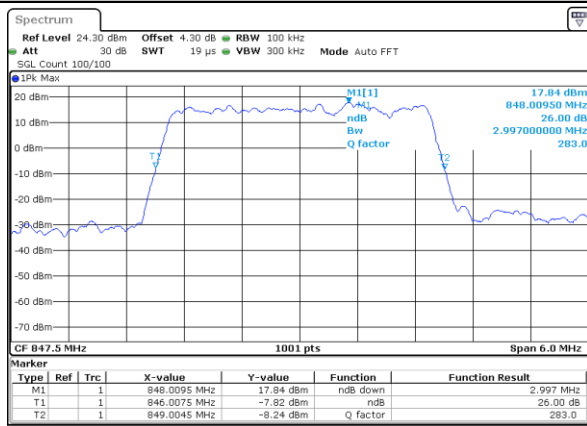
Date: 14 JUL 2019 13:41:25

Middle Channel / 3MHz / 16QAM



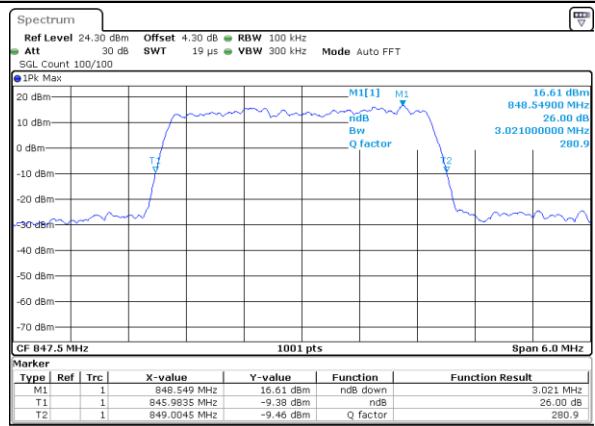
Date: 14 JUL 2019 13:41:35

Highest Channel / 3MHz / QPSK



Date: 14 JUL 2019 13:43:53

Highest Channel / 3MHz / 16QAM

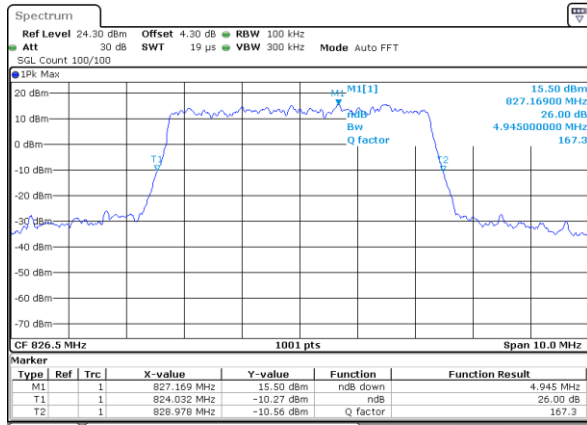


Date: 14 JUL 2019 13:44:03



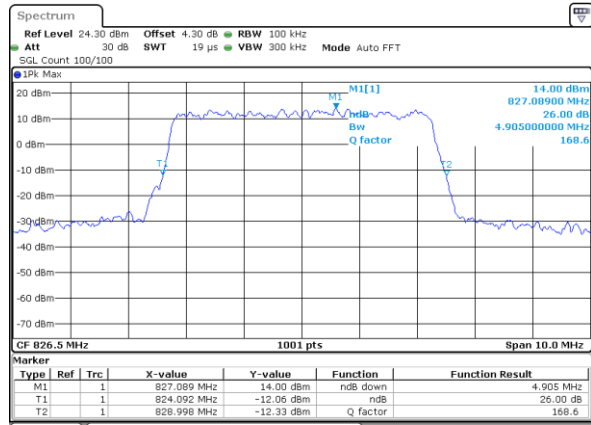
LTE Band 5

Lowest Channel / 5MHz / QPSK



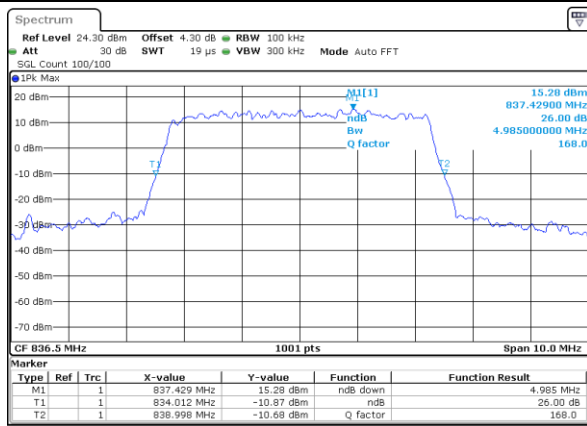
Date: 14 JUL 2019 13:57:03

Lowest Channel / 5MHz / 16QAM



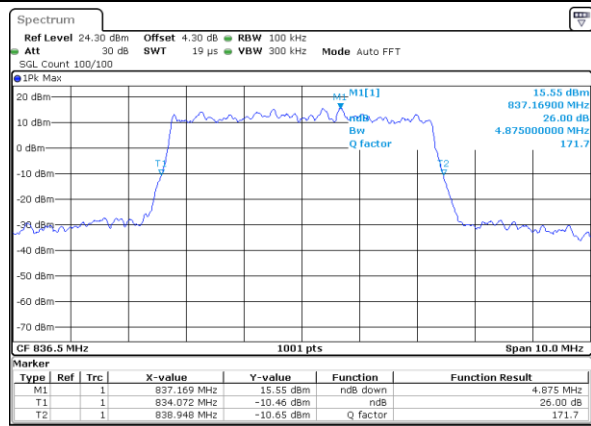
Date: 14 JUL 2019 13:56:44

Middle Channel / 5MHz / QPSK



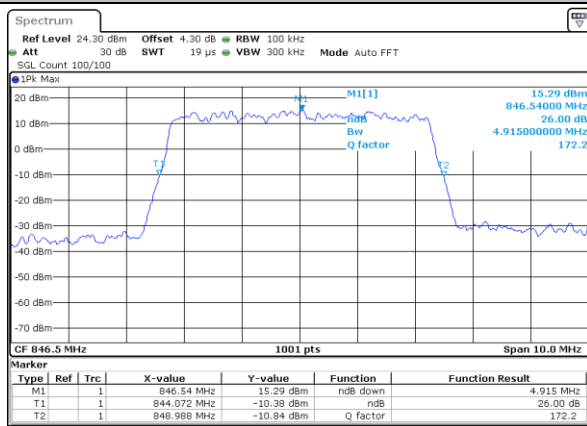
Date: 14 JUL 2019 12:59:06

Middle Channel / 5MHz / 16QAM



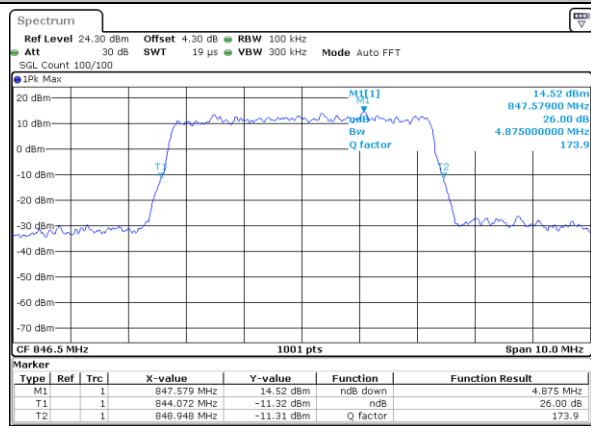
Date: 14 JUL 2019 12:59:16

Highest Channel / 5MHz / QPSK



Date: 14 JUL 2019 13:01:35

Highest Channel / 5MHz / 16QAM

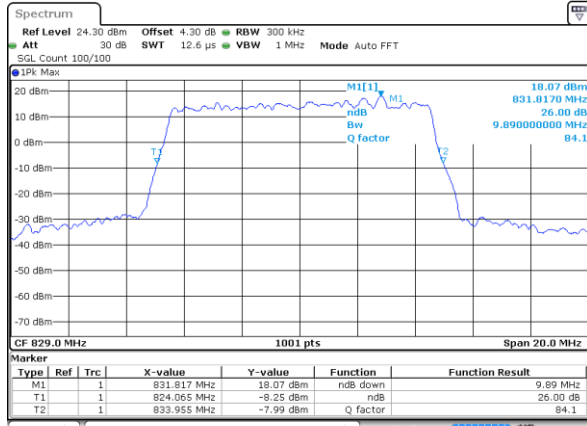


Date: 14 JUL 2019 13:01:44



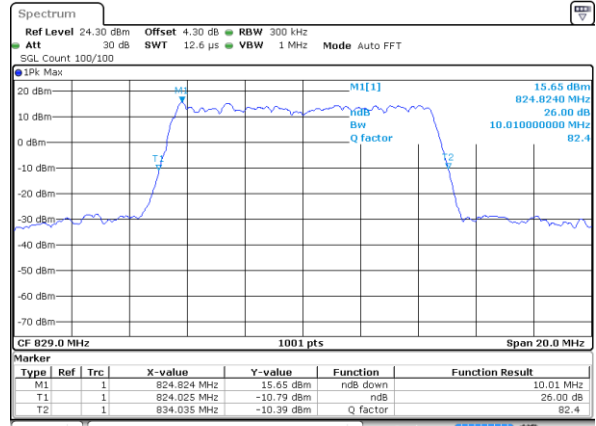
LTE Band 5

Lowest Channel / 10MHz / QPSK



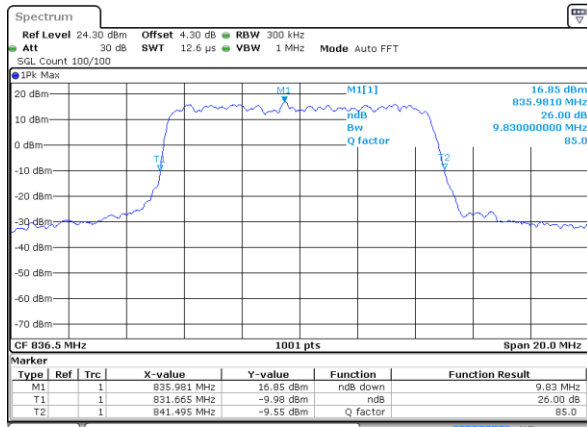
Date: 14 JUL 2019 13:10:33

Lowest Channel / 10MHz / 16QAM



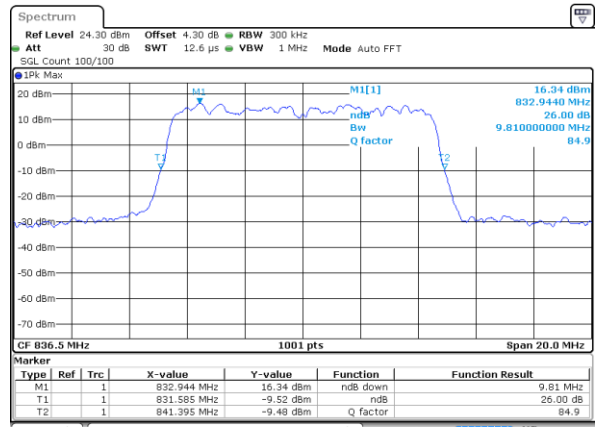
Date: 14 JUL 2019 13:10:42

Middle Channel / 10MHz / QPSK



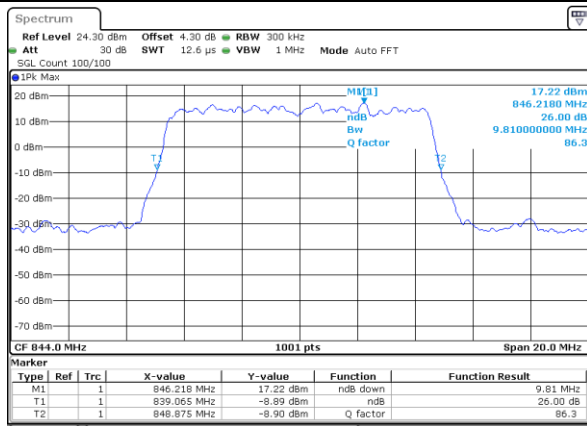
Date: 14 JUL 2019 13:19:31

Middle Channel / 10MHz / 16QAM



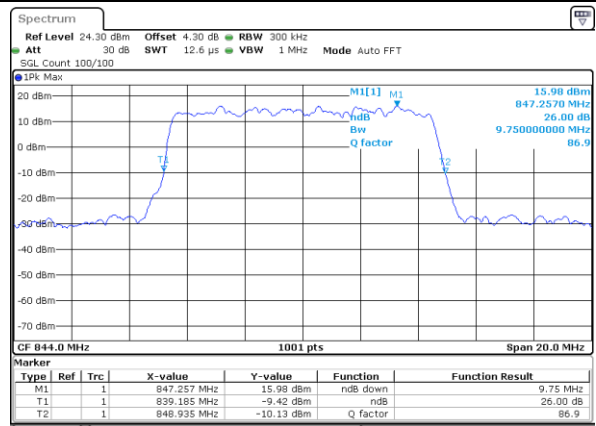
Date: 14 JUL 2019 13:19:41

Highest Channel / 10MHz / QPSK



Date: 14 JUL 2019 13:21:59

Highest Channel / 10MHz / 16QAM

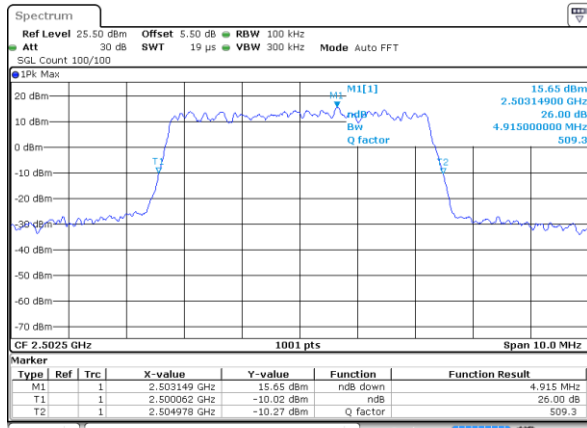


Date: 14 JUL 2019 13:22:09



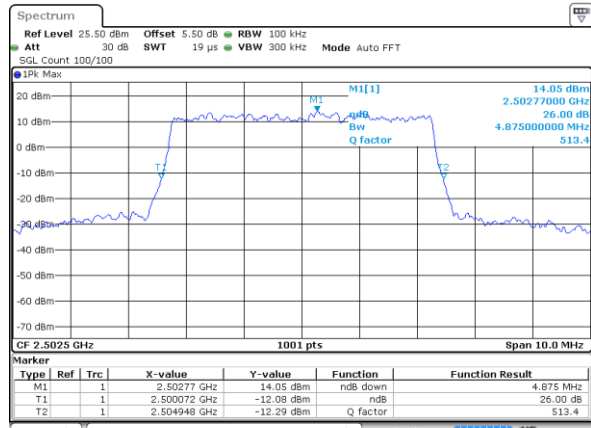
LTE Band 7

Lowest Channel / 5MHz / QPSK



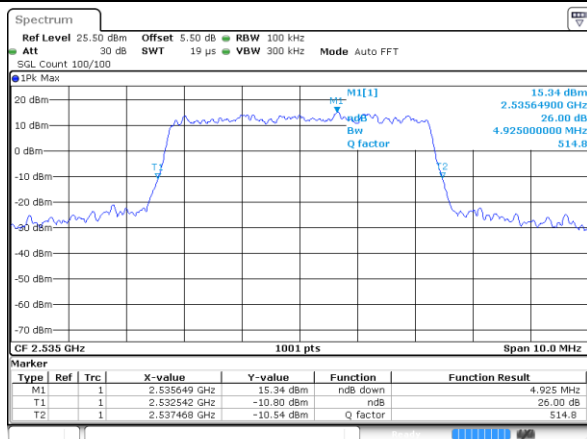
Date: 14 JUL 2019 14:35:57

Lowest Channel / 5MHz / 16QAM



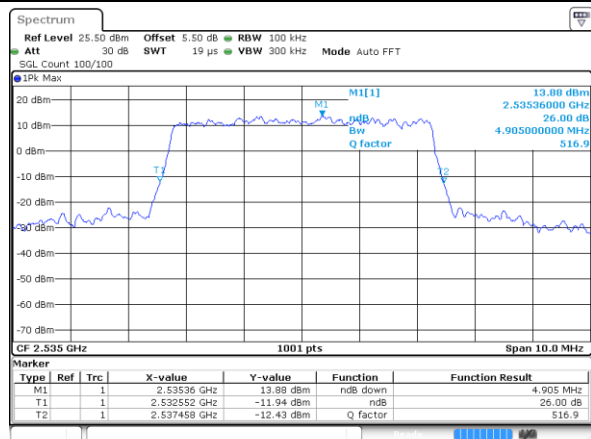
Date: 14 JUL 2019 14:36:17

Middle Channel / 5MHz / QPSK



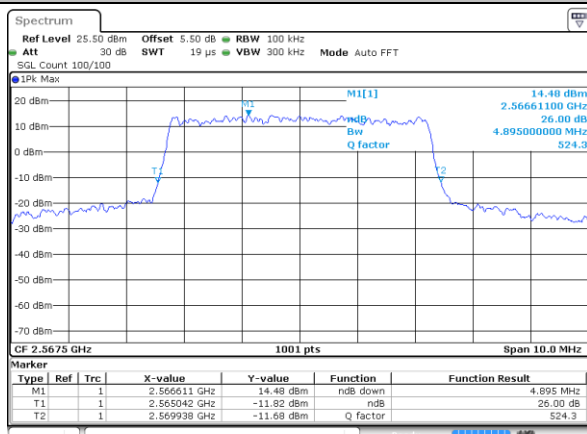
Date: 14 JUL 2019 14:36:57

Middle Channel / 5MHz / 16QAM



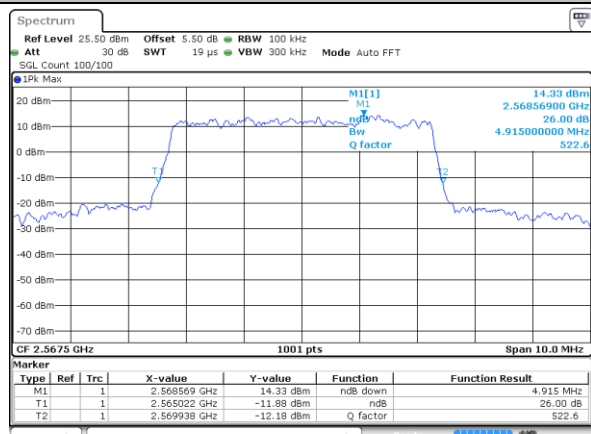
Date: 14 JUL 2019 14:37:37

Highest Channel / 5MHz / QPSK



Date: 14 JUL 2019 14:37:17

Highest Channel / 5MHz / 16QAM

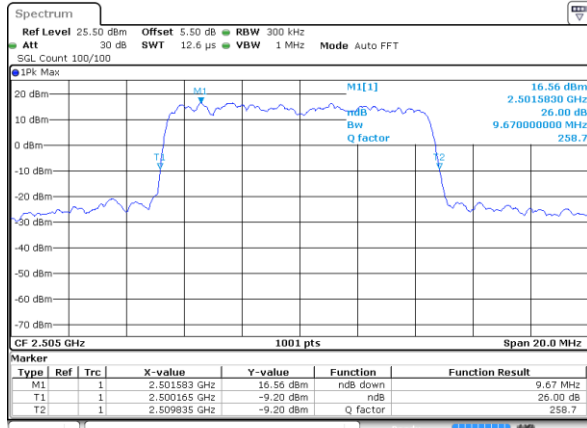


Date: 14 JUL 2019 14:37:37



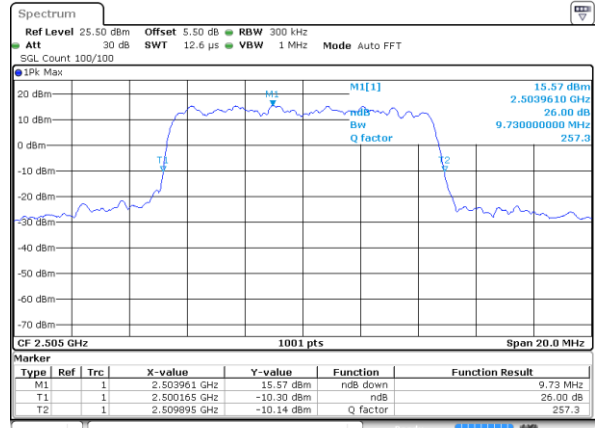
LTE Band 7

Lowest Channel / 10MHz / QPSK



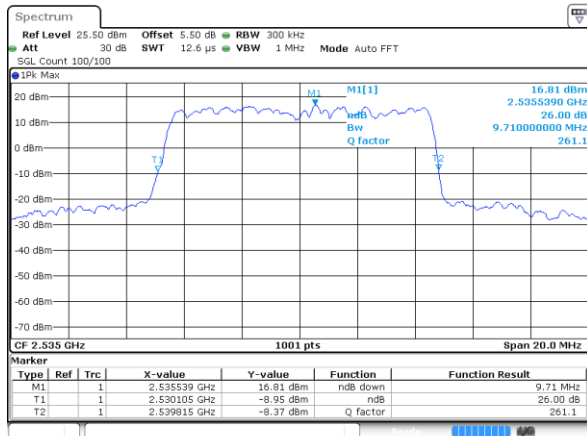
Date: 14 JUL 2019 14:52:25

Lowest Channel / 10MHz / 16QAM



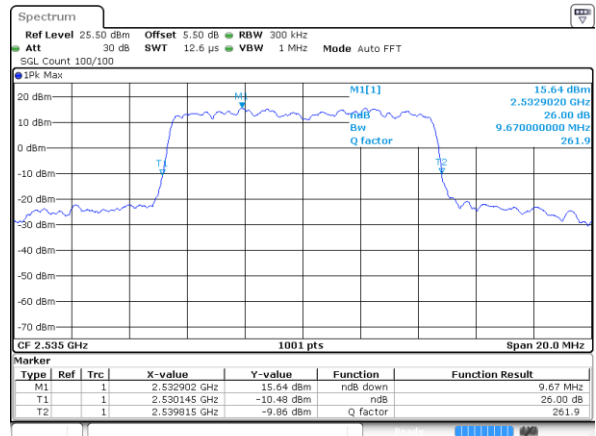
Date: 14 JUL 2019 14:52:45

Middle Channel / 10MHz / QPSK



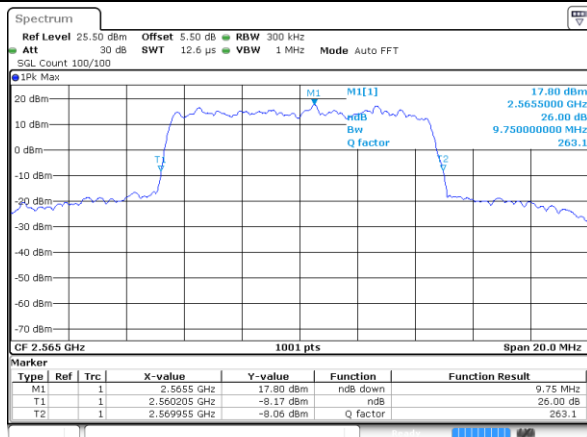
Date: 14 JUL 2019 14:53:25

Middle Channel / 10MHz / 16QAM



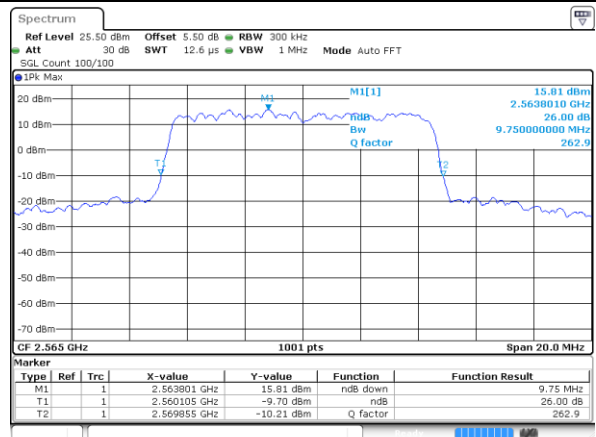
Date: 14 JUL 2019 14:53:05

Highest Channel / 10MHz / QPSK



Date: 14 JUL 2019 14:53:45

Highest Channel / 10MHz / 16QAM

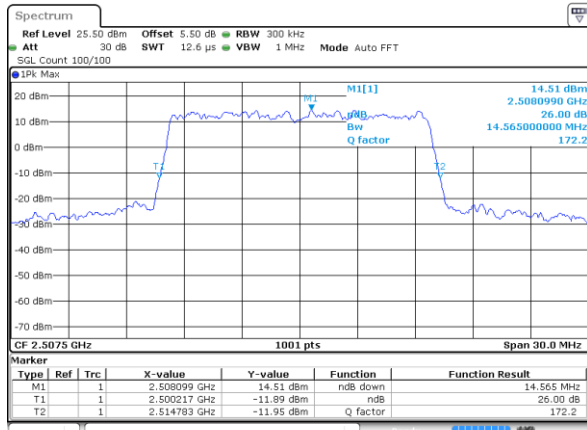


Date: 14 JUL 2019 14:54:04

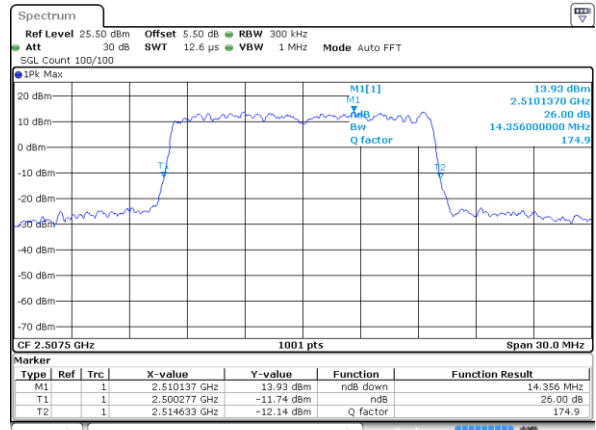


LTE Band 7

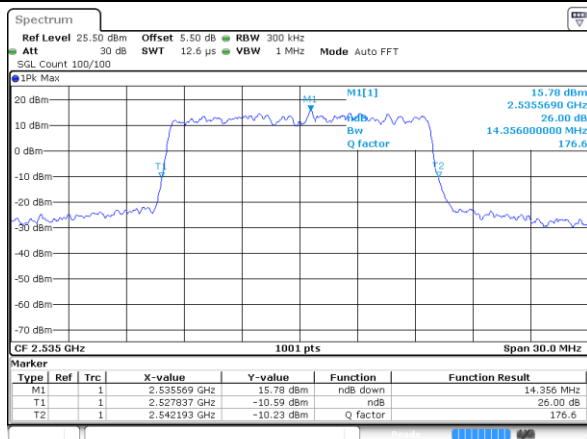
Lowest Channel / 15MHz / QPSK



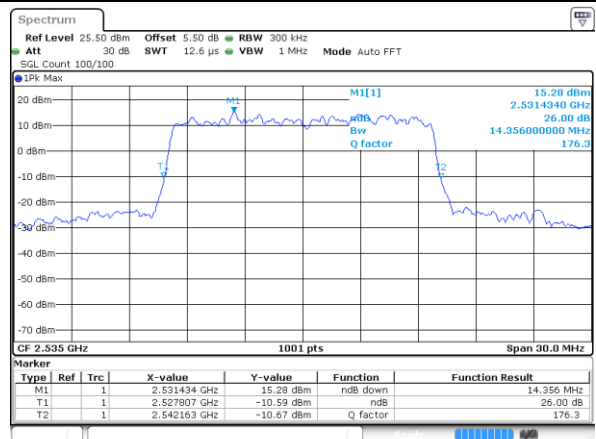
Lowest Channel / 15MHz / 16QAM



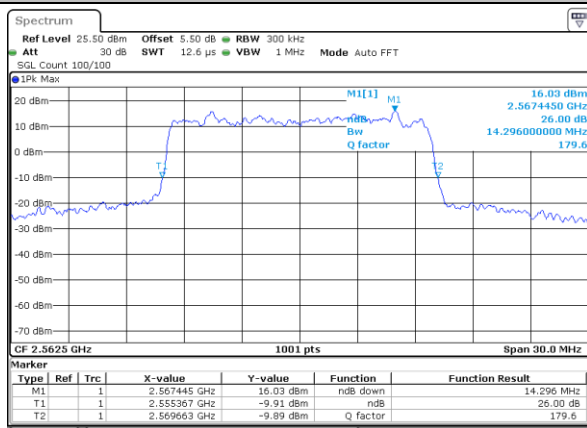
Middle Channel / 15MHz / QPSK



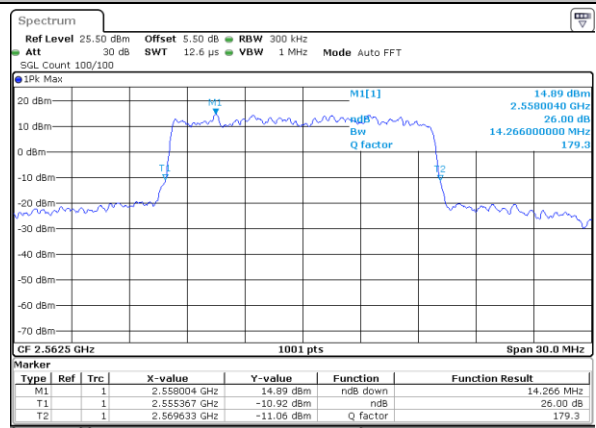
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



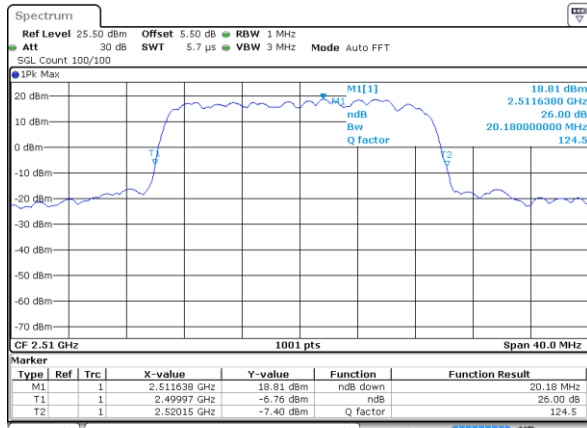
Highest Channel / 15MHz / 16QAM





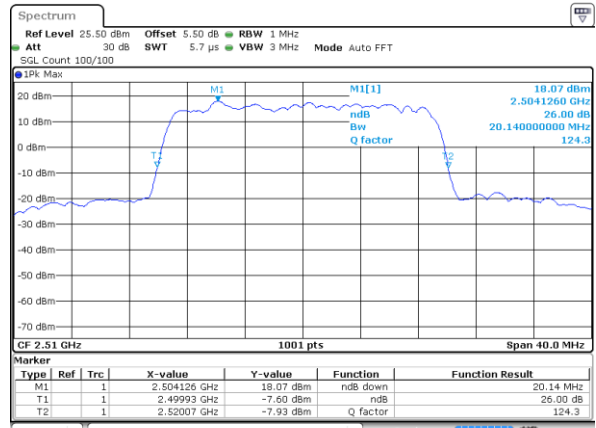
LTE Band 7

Lowest Channel / 20MHz / QPSK



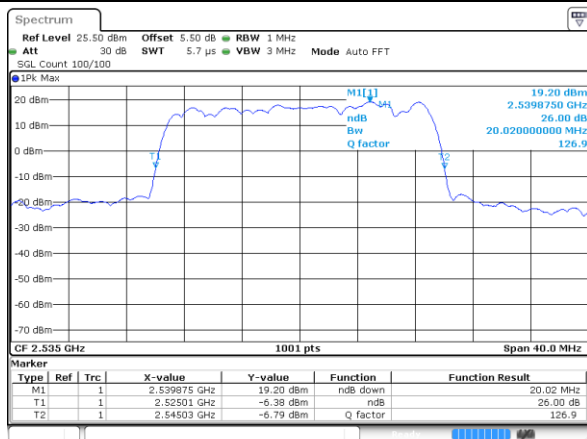
Date: 14 JUL 2019 15:25:39

Lowest Channel / 20MHz / 16QAM



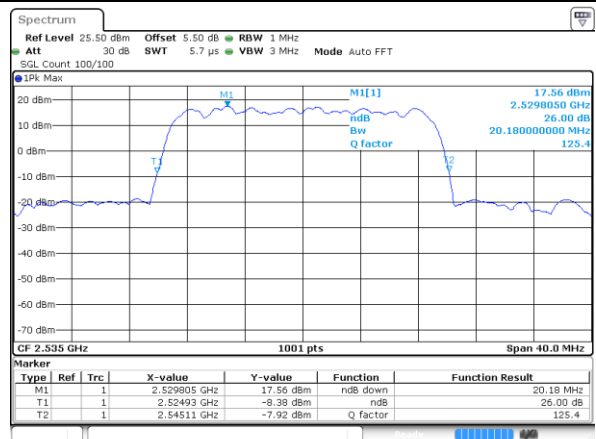
Date: 14 JUL 2019 15:25:19

Middle Channel / 20MHz / QPSK



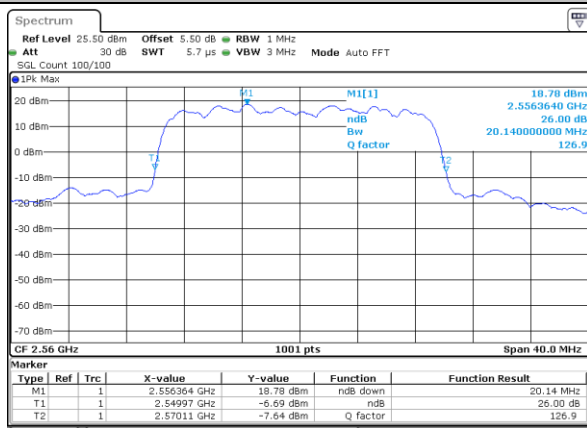
Date: 14 JUL 2019 15:25:59

Middle Channel / 20MHz / 16QAM



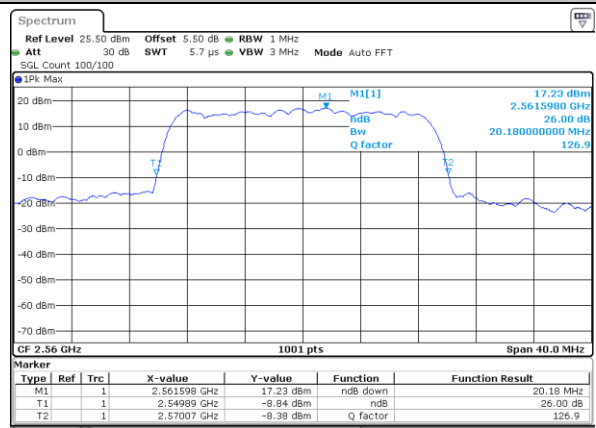
Date: 14 JUL 2019 15:26:19

Highest Channel / 20MHz / QPSK



Date: 14 JUL 2019 15:26:59

Highest Channel / 20MHz / 16QAM

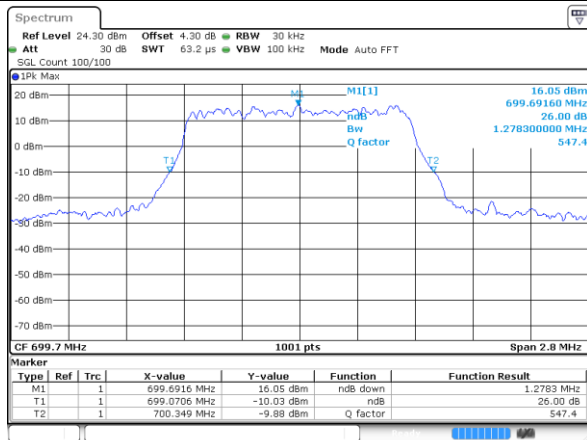


Date: 14 JUL 2019 15:26:39



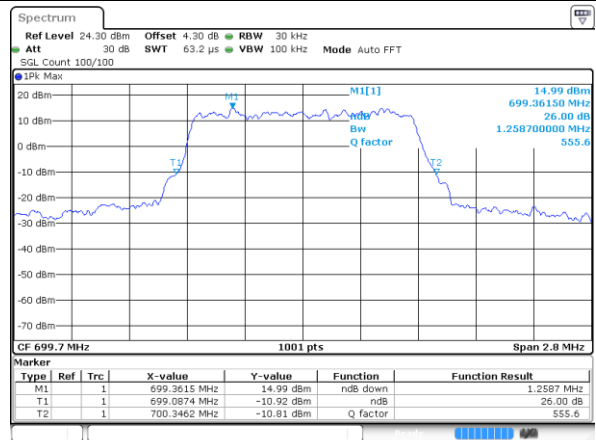
LTE Band 12

Lowest Channel / 1.4MHz / QPSK



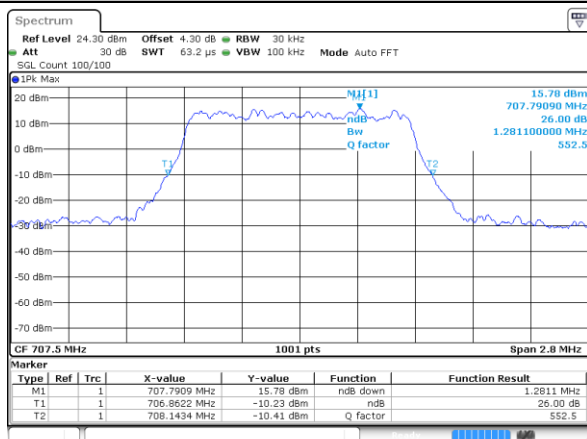
Date: 14 JUL 2019 15:59:53

Lowest Channel / 1.4MHz / 16QAM



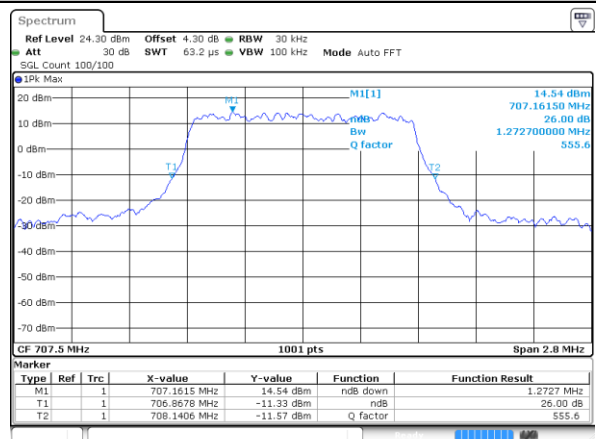
Date: 14 JUL 2019 15:59:43

Middle Channel / 1.4MHz / QPSK



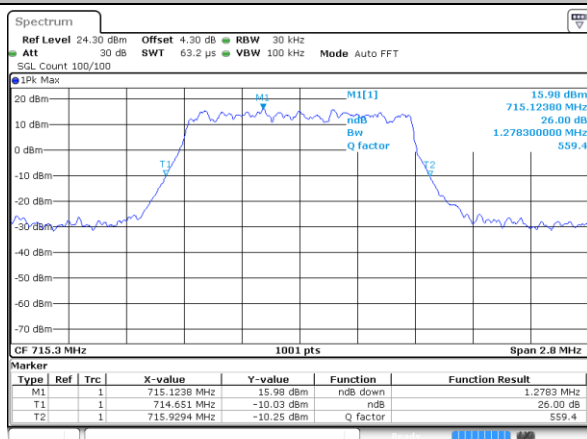
Date: 14 JUL 2019 15:59:23

Middle Channel / 1.4MHz / 16QAM



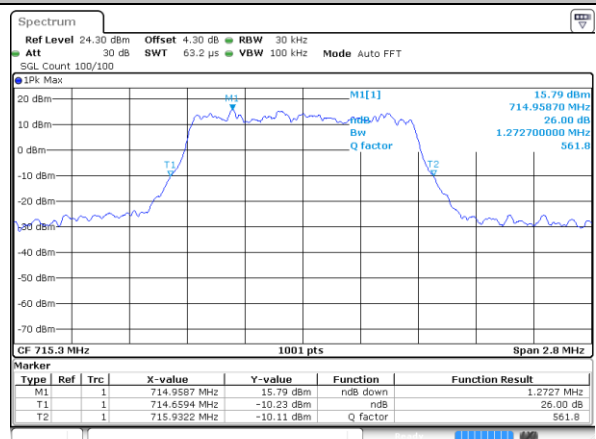
Date: 14 JUL 2019 15:59:33

Highest Channel / 1.4MHz / QPSK



Date: 14 JUL 2019 15:59:13

Highest Channel / 1.4MHz / 16QAM

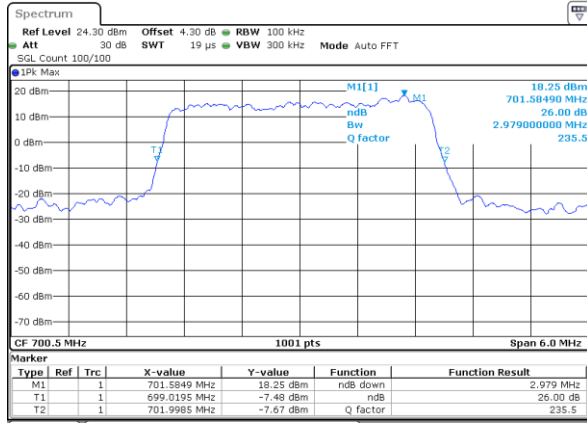


Date: 14 JUL 2019 15:59:03



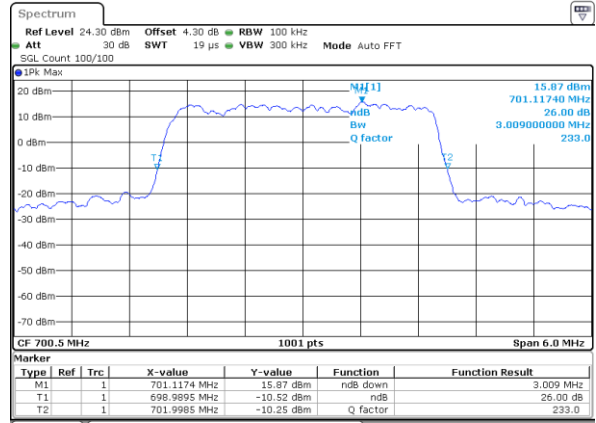
LTE Band 12

Lowest Channel / 3MHz / QPSK



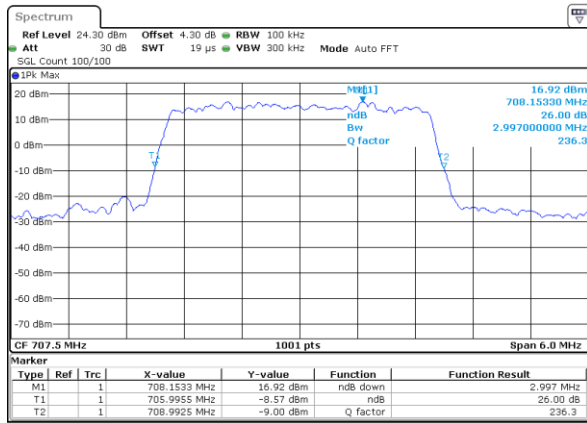
Date: 14 JUL 2019 16:16:18

Lowest Channel / 3MHz / 16QAM



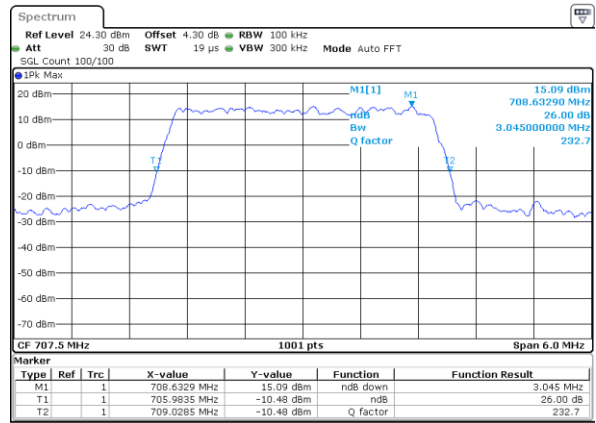
Date: 14 JUL 2019 16:16:08

Middle Channel / 3MHz / QPSK



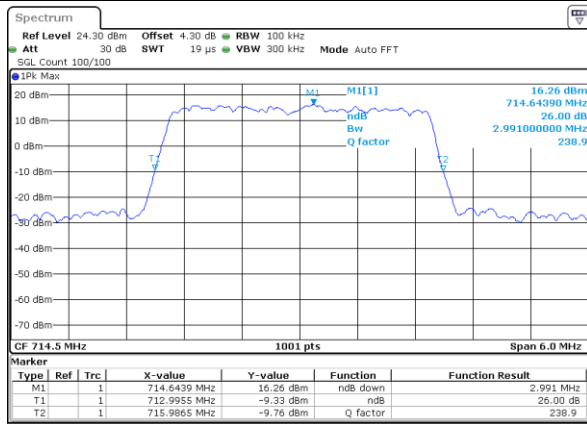
Date: 14 JUL 2019 16:15:48

Middle Channel / 3MHz / 16QAM



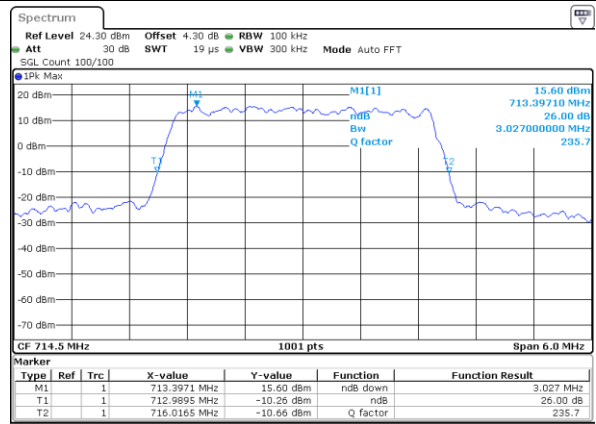
Date: 14 JUL 2019 16:15:58

Highest Channel / 3MHz / QPSK



Date: 14 JUL 2019 16:15:38

Highest Channel / 3MHz / 16QAM

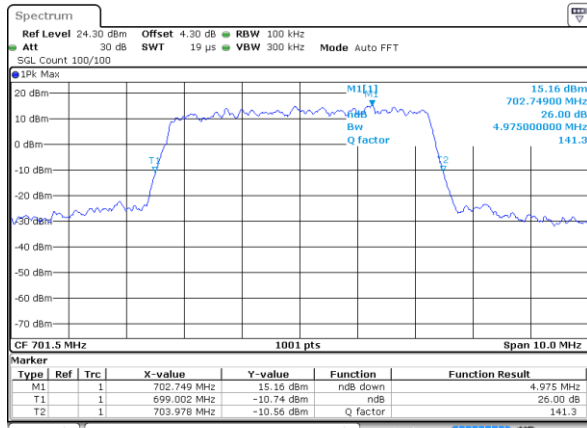


Date: 14 JUL 2019 16:15:28



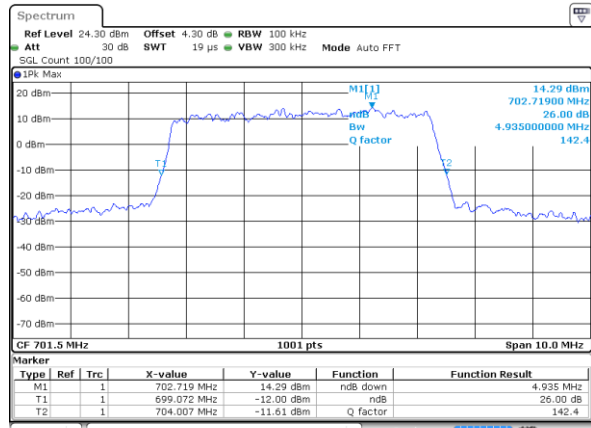
LTE Band 12

Lowest Channel / 5MHz / QPSK



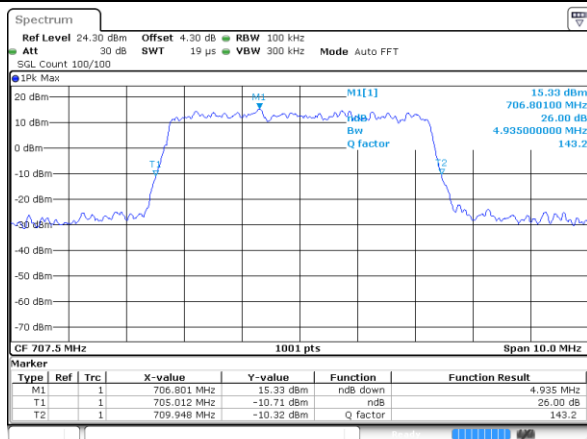
Date: 14 JUL 2019 16:32:43

Lowest Channel / 5MHz / 16QAM



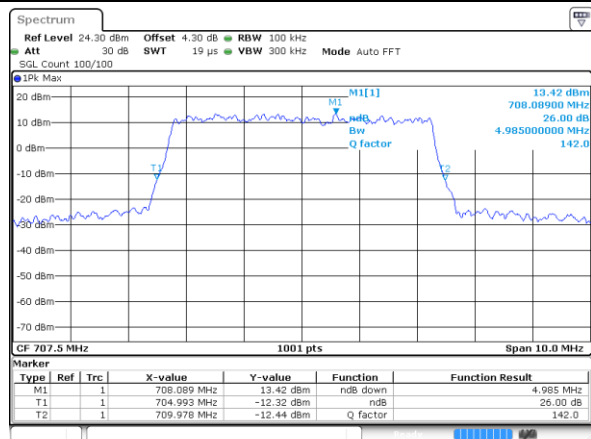
Date: 14 JUL 2019 16:32:33

Middle Channel / 5MHz / QPSK



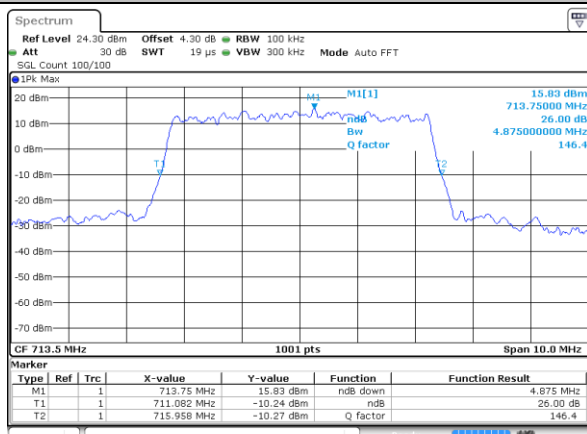
Date: 14 JUL 2019 16:32:13

Middle Channel / 5MHz / 16QAM



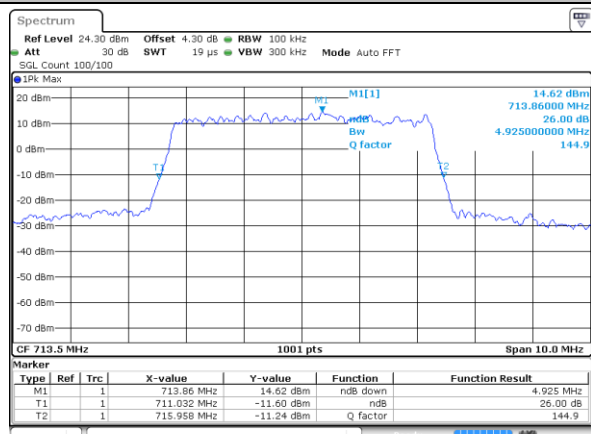
Date: 14 JUL 2019 16:32:23

Highest Channel / 5MHz / QPSK



Date: 14 JUL 2019 16:32:03

Highest Channel / 5MHz / 16QAM

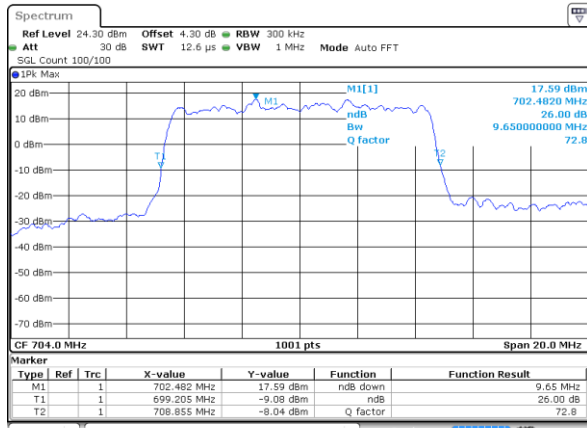


Date: 14 JUL 2019 16:31:53



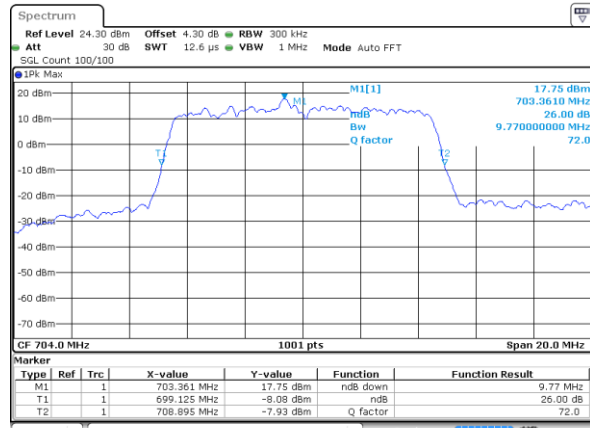
LTE Band 12

Lowest Channel / 10MHz / QPSK



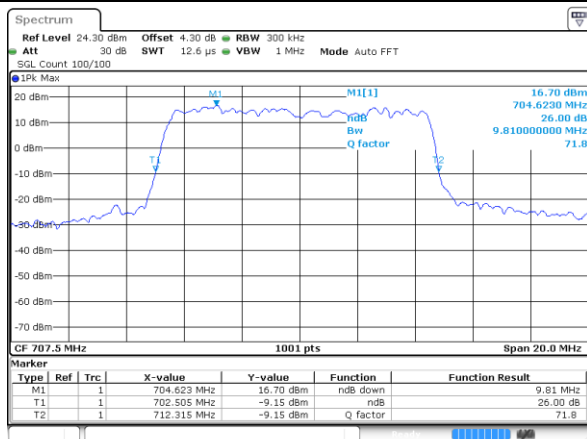
Date: 14 JUL 2019 16:48:08

Lowest Channel / 10MHz / 16QAM



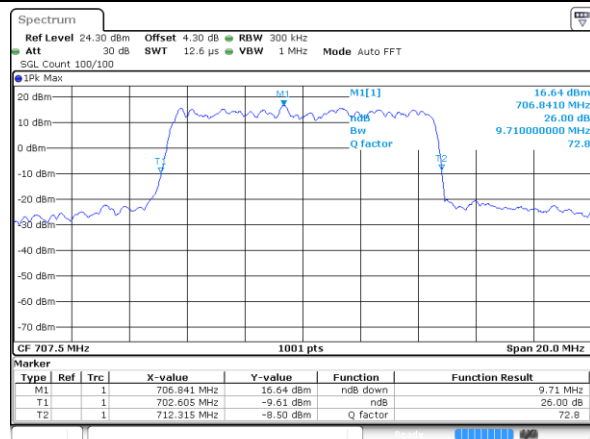
Date: 14 JUL 2019 16:48:58

Middle Channel / 10MHz / QPSK



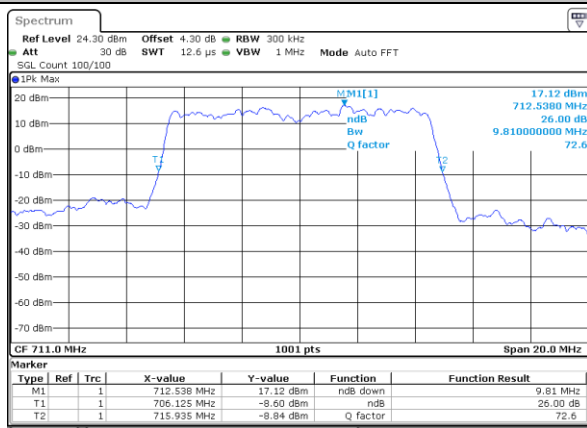
Date: 14 JUL 2019 16:48:38

Middle Channel / 10MHz / 16QAM



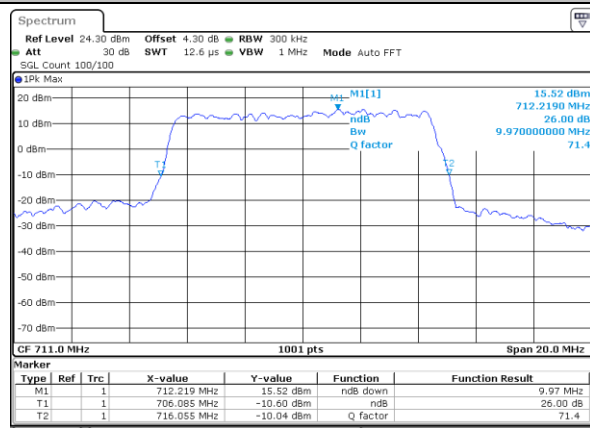
Date: 14 JUL 2019 16:48:48

Highest Channel / 10MHz / QPSK



Date: 14 JUL 2019 16:48:28

Highest Channel / 10MHz / 16QAM

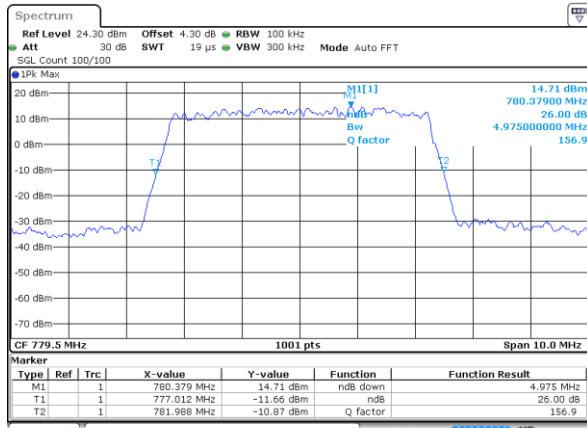


Date: 14 JUL 2019 16:48:18



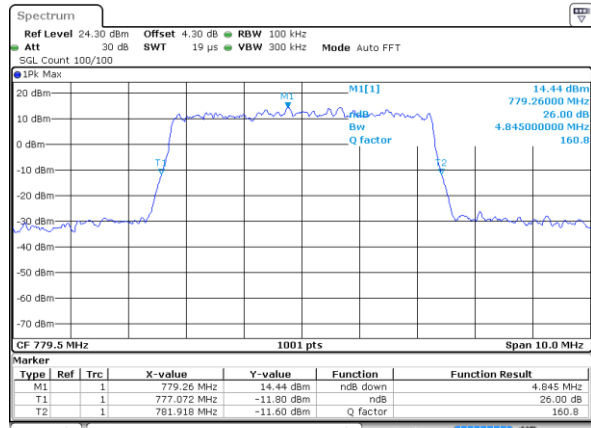
LTE Band 13

Lowest Channel / 5MHz / QPSK



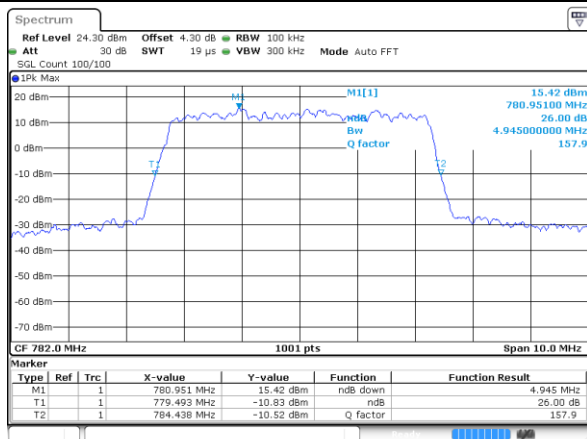
Date: 14 JUL 2019 17:21:59

Lowest Channel / 5MHz / 16QAM



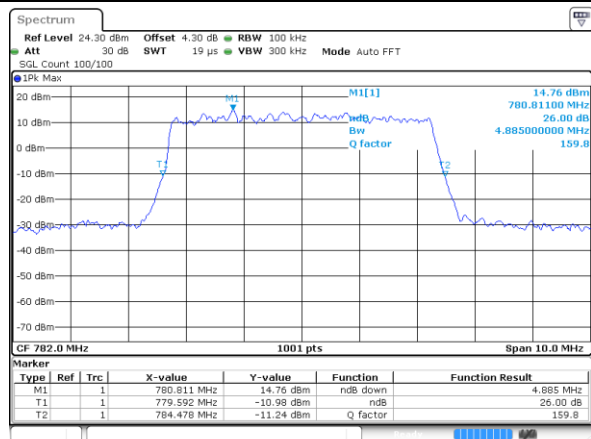
Date: 14 JUL 2019 17:22:09

Middle Channel / 5MHz / QPSK



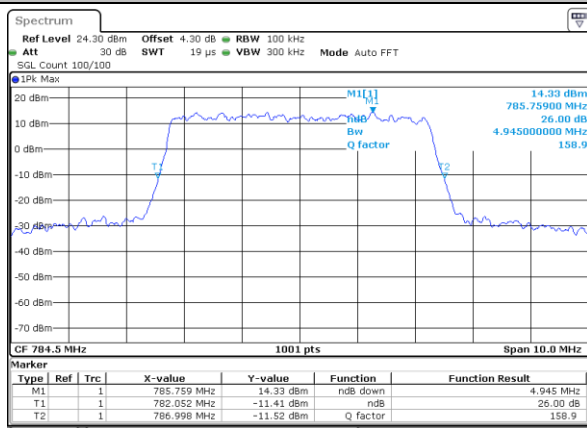
Date: 14 JUL 2019 17:30:58

Middle Channel / 5MHz / 16QAM



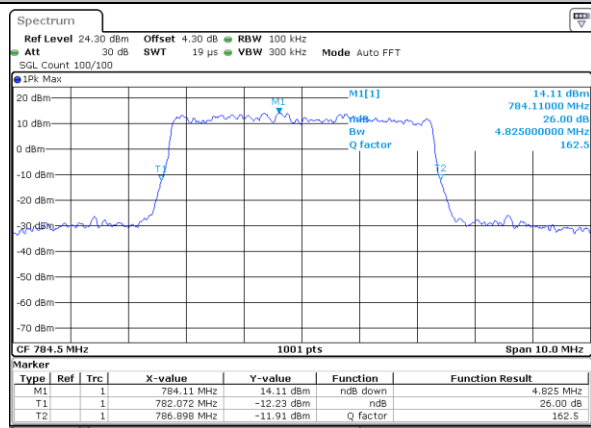
Date: 14 JUL 2019 17:31:07

Highest Channel / 5MHz / QPSK



Date: 14 JUL 2019 17:33:36

Highest Channel / 5MHz / 16QAM

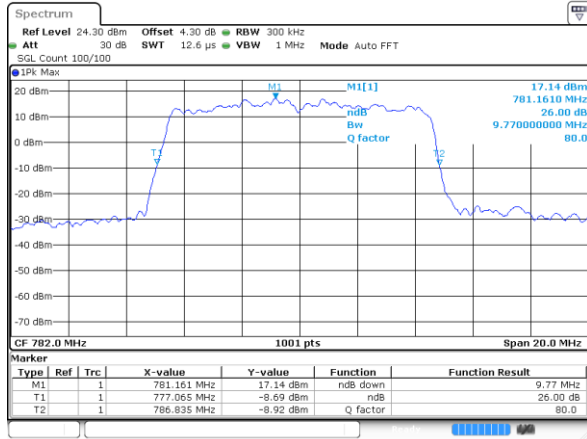


Date: 14 JUL 2019 17:33:26

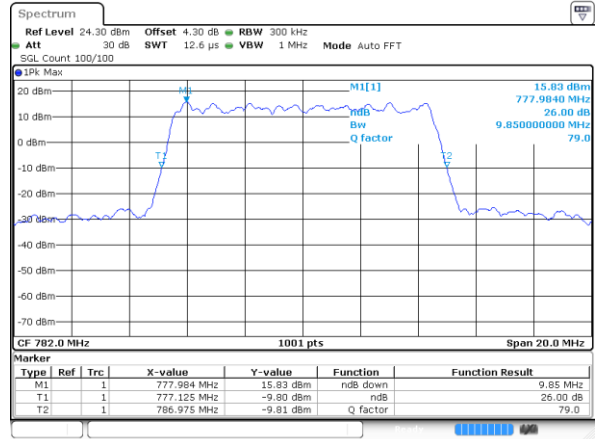


LTE Band 13

Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM



**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	1.1	2.73	2.7	4.49	4.49	8.99	8.95	13.43	13.4	18.22	18.38
Middle CH	1.1	1.09	2.72	2.72	4.48	4.5	9.03	9.03	13.46	13.49	18.34	18.38
Highest CH	1.1	1.1	2.72	2.7	4.5	4.51	9.07	8.95	13.43	13.46	18.42	18.22

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	2.71	4.5	4.46	9.03	8.99	13.37	13.4	18.3	18.14
Middle CH	1.09	1.1	2.72	2.7	4.49	4.5	8.97	9.03	13.43	13.4	18.26	18.22
Highest CH	1.1	1.09	2.7	2.7	4.5	4.5	9.09	9.07	13.49	13.49	18.34	18.3

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	1.10	1.09	2.72	2.73	4.49	4.51	9.05	9.05	-	-	-	-
Middle CH	1.09	1.08	2.73	2.72	4.49	4.49	9.03	9.01	-	-	-	-
Highest CH	1.09	1.09	2.71	2.72	4.50	4.47	9.05	8.99	-	-	-	-

Mode	LTE Band 7 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH					4.49	4.50	9.03	9.01	13.46	13.40	18.38	18.34
Middle CH					4.49	4.49	9.01	9.01	13.43	13.43	18.22	18.22
Highest CH					4.48	4.48	9.01	8.99	13.43	13.46	18.34	18.30



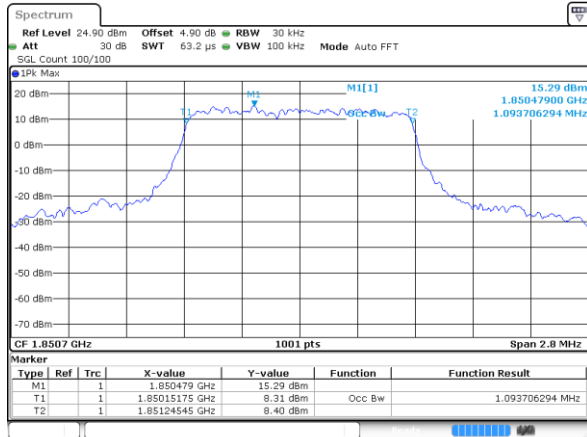
Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.10	2.71	2.72	4.49	4.48	9.01	8.93				
Middle CH	1.09	1.09	2.72	2.72	4.50	4.49	9.03	9.01				
Highest CH	1.09	1.09	2.72	2.71	4.46	4.48	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					4.49	4.49						
Middle CH					4.47	4.48	8.97	8.97				
Highest CH					4.50	4.47						

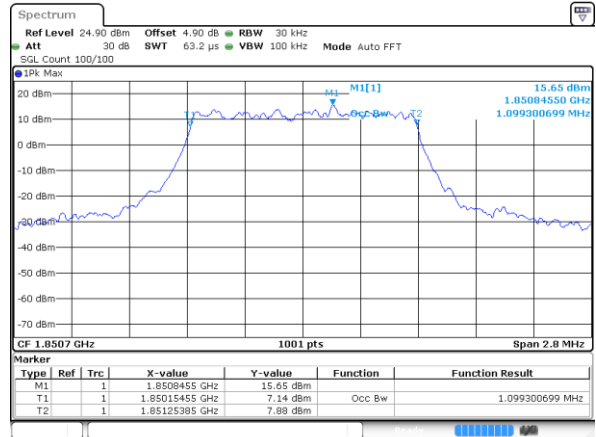


LTE Band 2

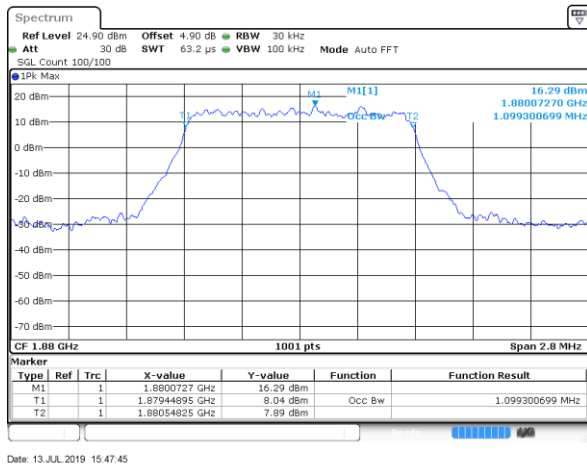
Lowest Channel / 1.4MHz / QPSK



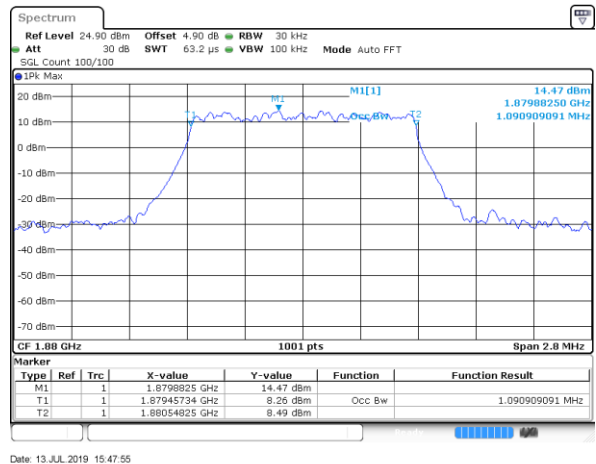
Lowest Channel / 1.4MHz / 16QAM



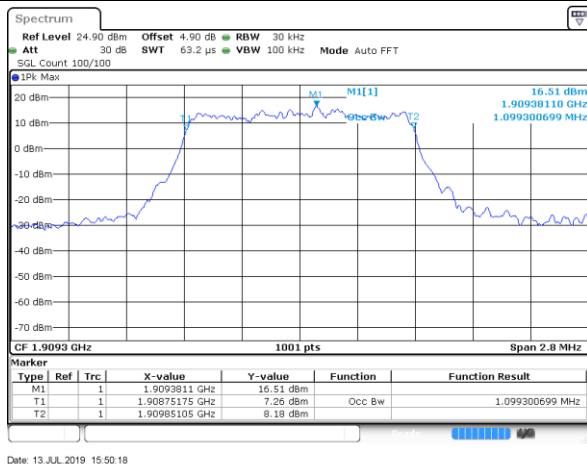
Middle Channel / 1.4MHz / QPSK



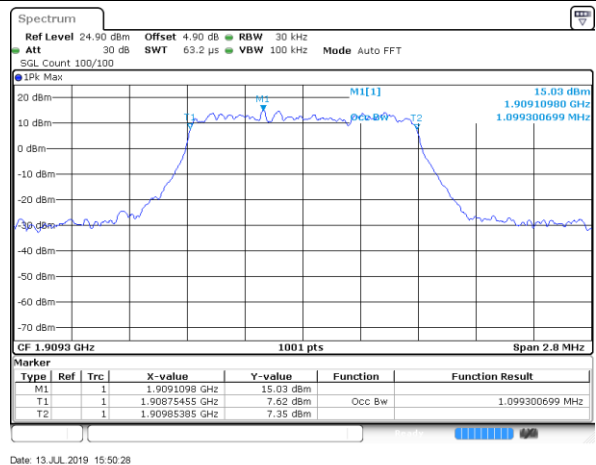
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



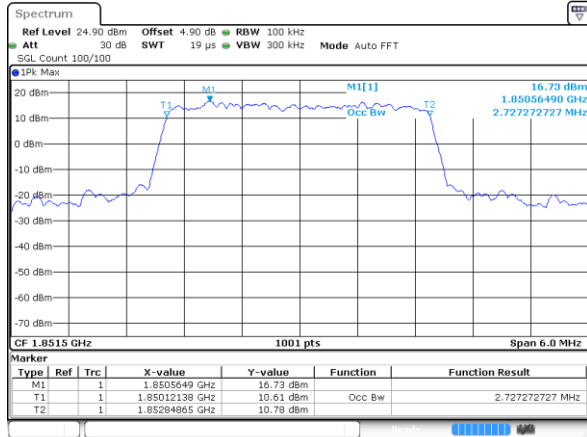
Highest Channel / 1.4MHz / 16QAM



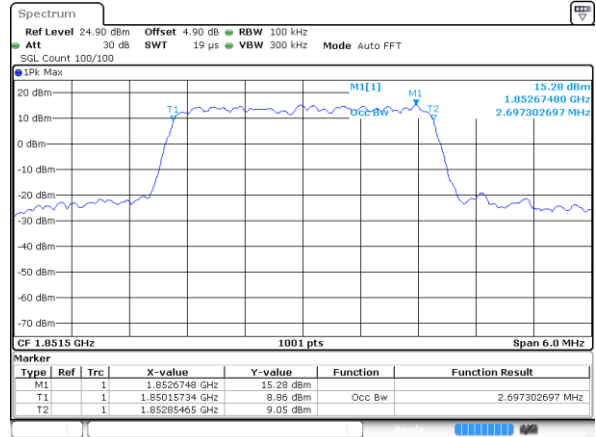


LTE Band 2

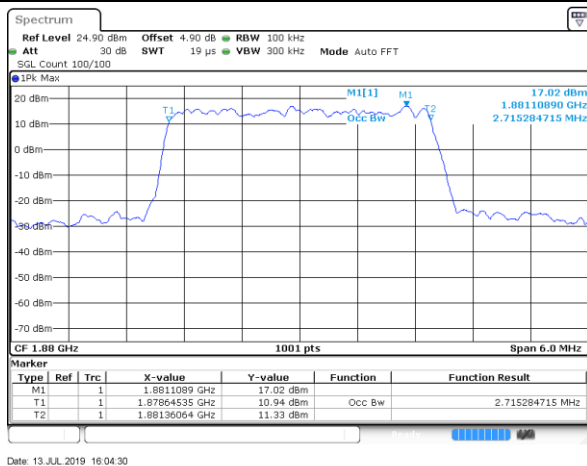
Lowest Channel / 3MHz / QPSK



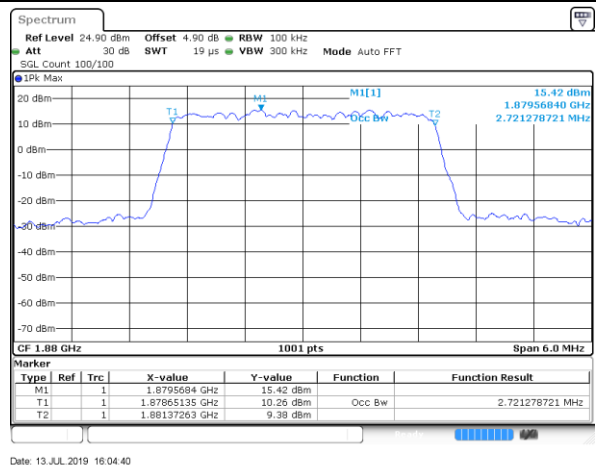
Lowest Channel / 3MHz / 16QAM



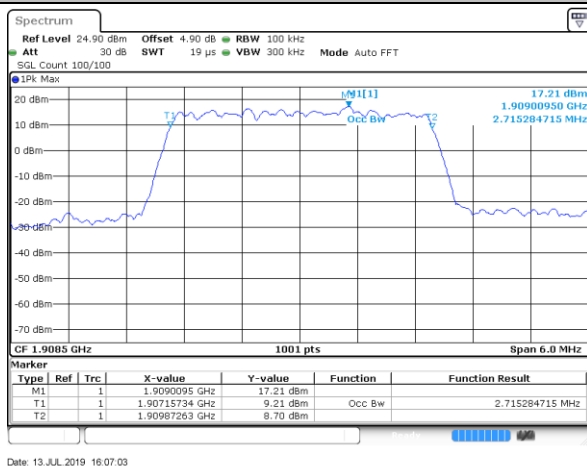
Middle Channel / 3MHz / QPSK



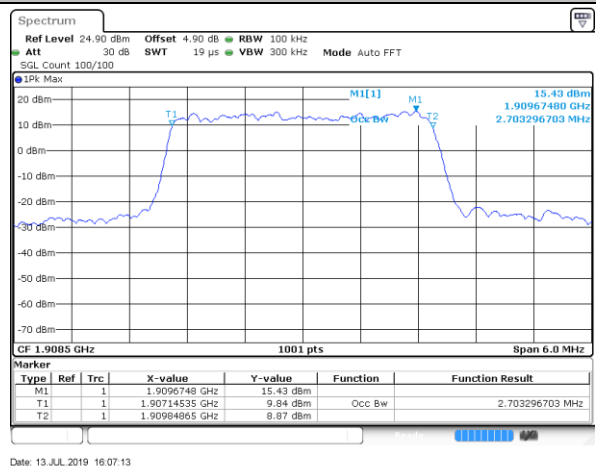
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



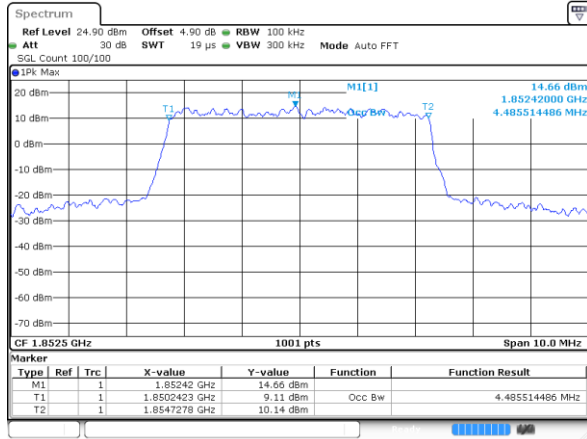
Highest Channel / 3MHz / 16QAM



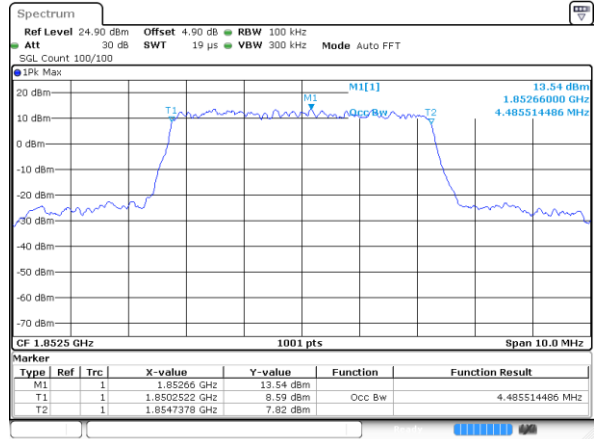


LTE Band 2

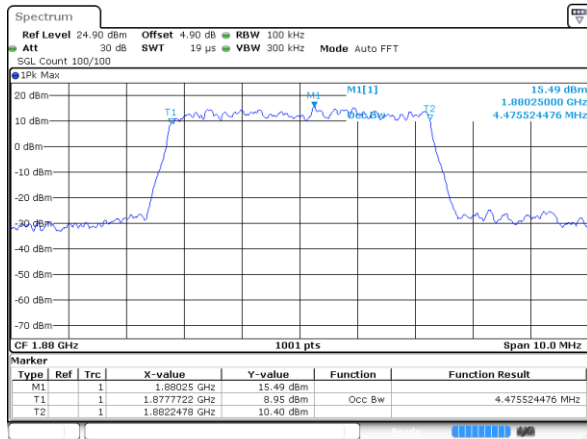
Lowest Channel / 5MHz / QPSK



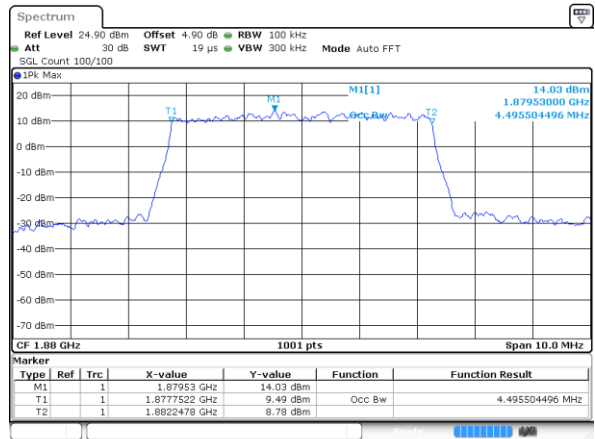
Lowest Channel / 5MHz / 16QAM



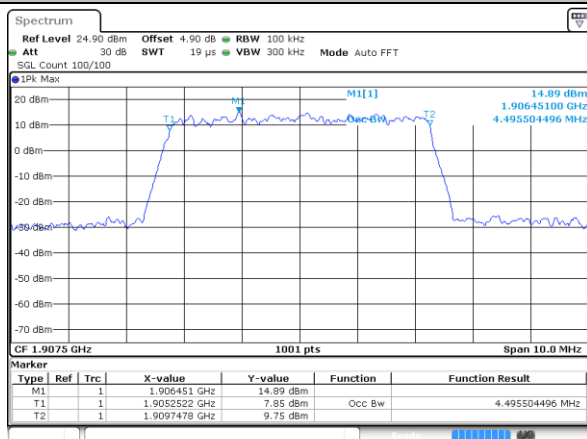
Middle Channel / 5MHz / QPSK



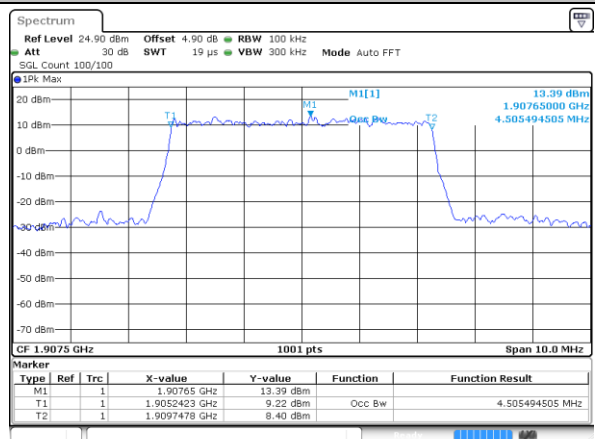
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



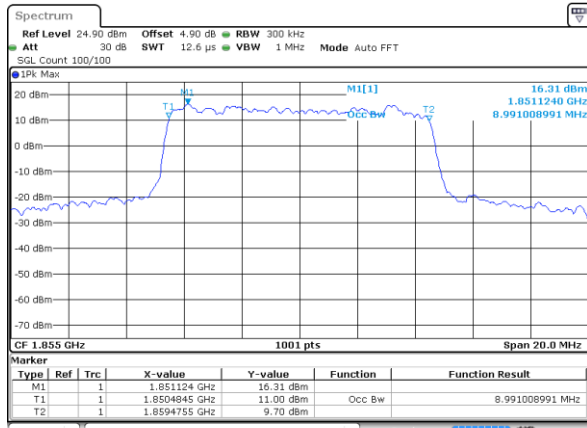
Highest Channel / 5MHz / 16QAM





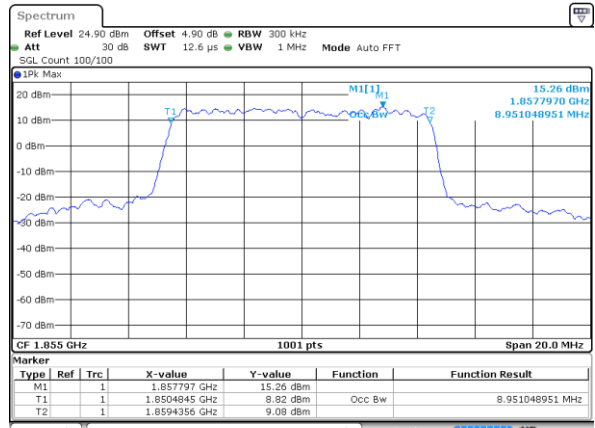
LTE Band 2

Lowest Channel / 10MHz / QPSK



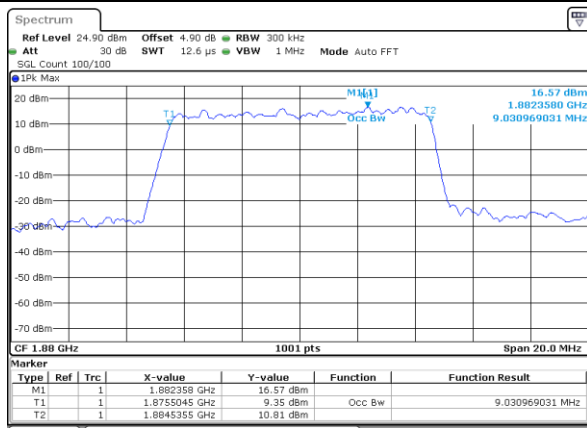
Date: 13 JUL 2019 16:30:55

Lowest Channel / 10MHz / 16QAM



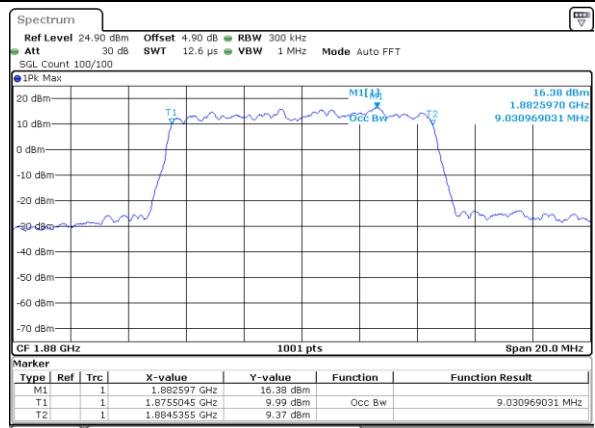
Date: 13 JUL 2019 16:31:05

Middle Channel / 10MHz / QPSK



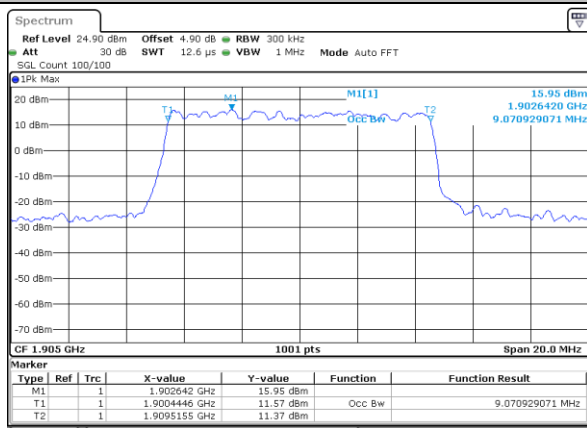
Date: 13 JUL 2019 16:38:01

Middle Channel / 10MHz / 16QAM



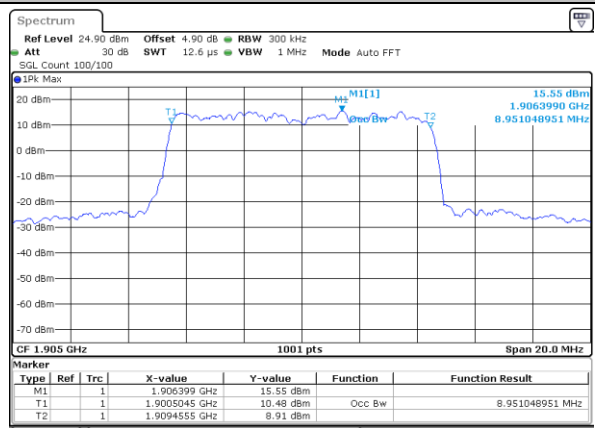
Date: 13 JUL 2019 16:38:11

Highest Channel / 10MHz / QPSK



Date: 13 JUL 2019 16:40:34

Highest Channel / 10MHz / 16QAM



Date: 13 JUL 2019 16:40:44