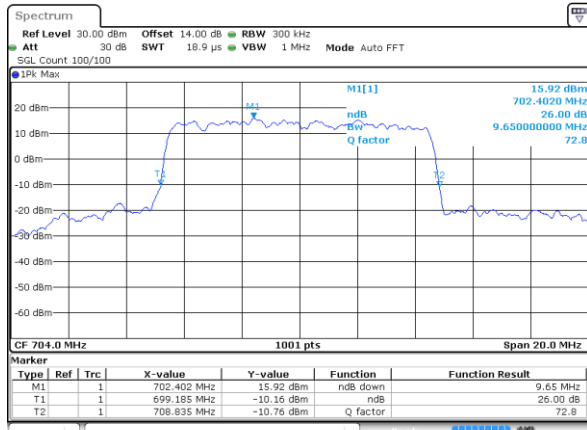




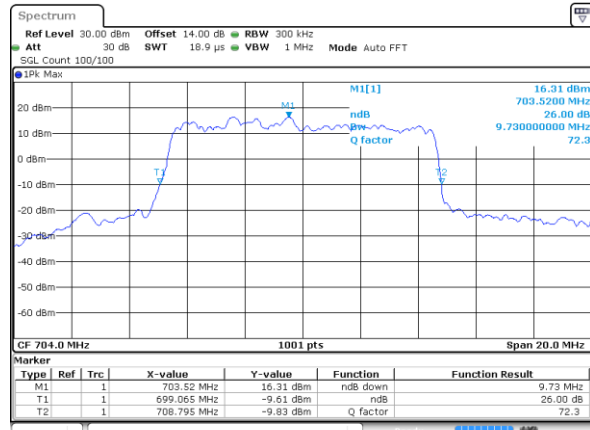
LTE Band 12

Lowest Channel / 10MHz / QPSK



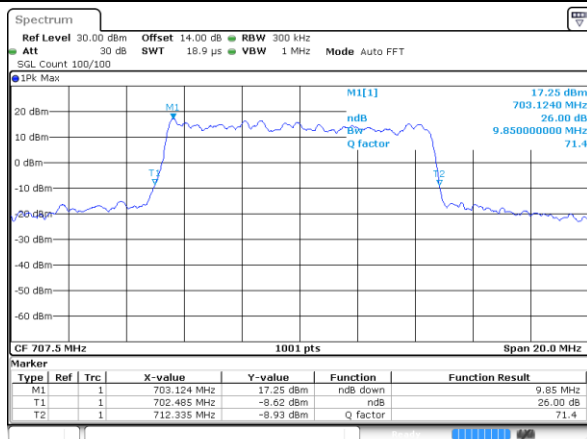
Date: 12 SEP 2018 17:54:37

Lowest Channel / 10MHz / 16QAM



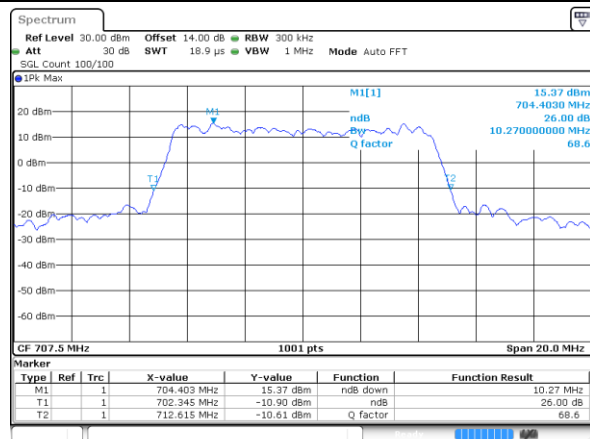
Date: 12 SEP 2018 17:54:47

Middle Channel / 10MHz / QPSK



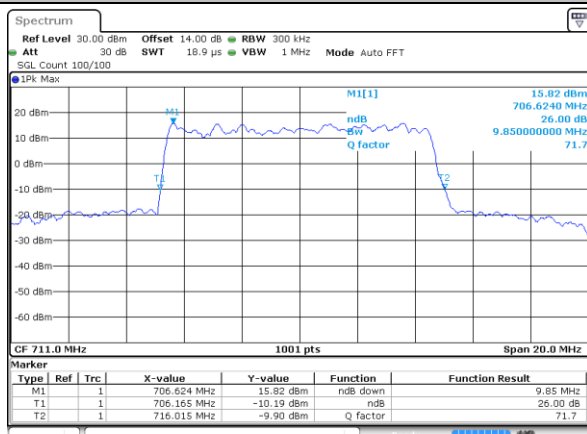
Date: 12 SEP 2018 18:01:35

Middle Channel / 10MHz / 16QAM



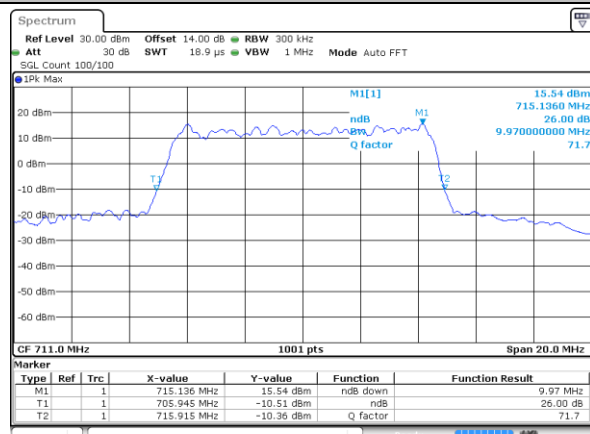
Date: 12 SEP 2018 18:01:45

Highest Channel / 10MHz / QPSK



Date: 12 SEP 2018 18:04:01

Highest Channel / 10MHz / 16QAM

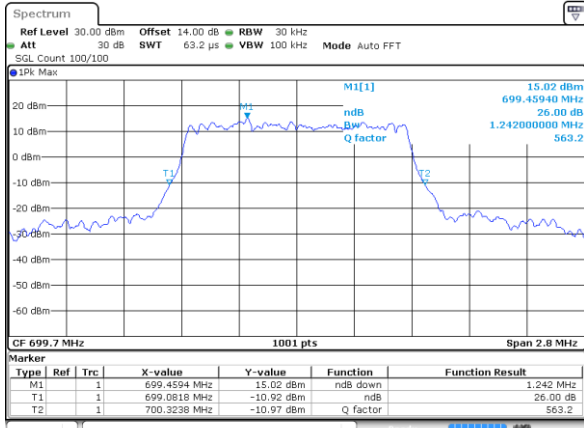


Date: 12 SEP 2018 18:04:10



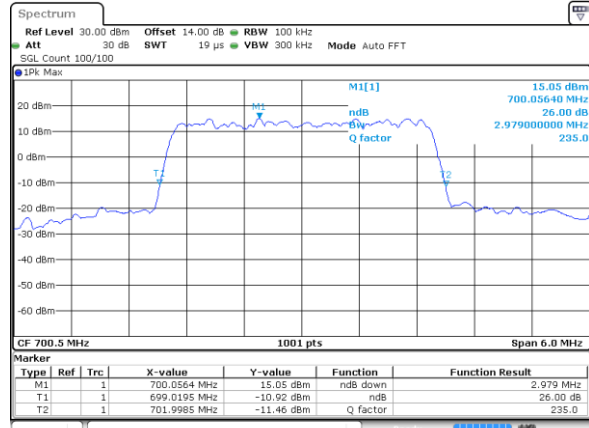
LTE Band 12

Lowest Channel / 1.4MHz / 64QAM



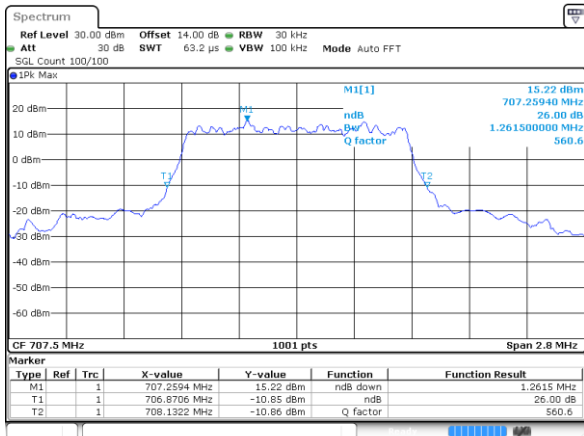
Date: 12 SEP 2018 18:20:17

Lowest Channel / 3MHz / 64QAM



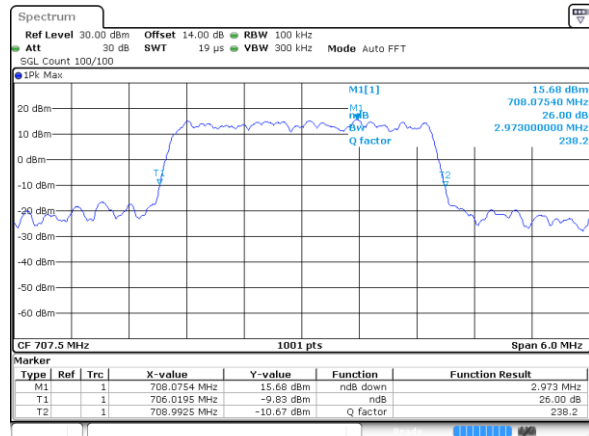
Date: 12 SEP 2018 18:28:27

Middle Channel / 1.4MHz / 64QAM



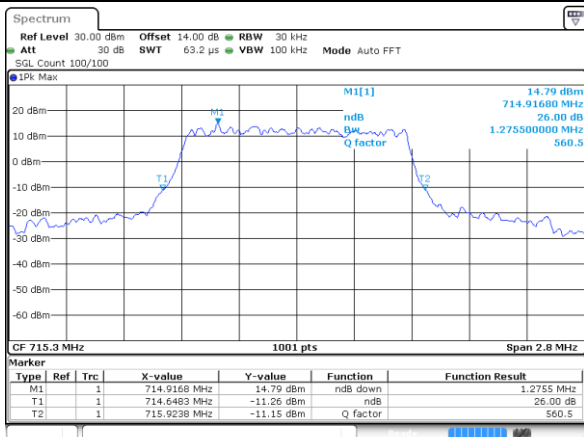
Date: 12 SEP 2018 18:23:46

Middle Channel / 3MHz / 64QAM



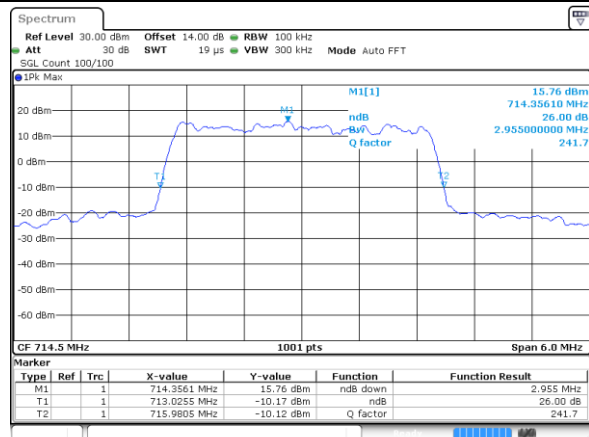
Date: 12 SEP 2018 18:31:56

Highest Channel / 1.4MHz / 64QAM



Date: 12 SEP 2018 18:24:59

Highest Channel / 3MHz / 64QAM

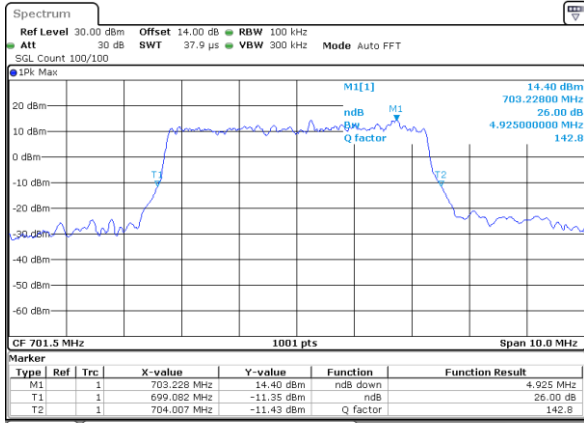


Date: 12 SEP 2018 18:33:09

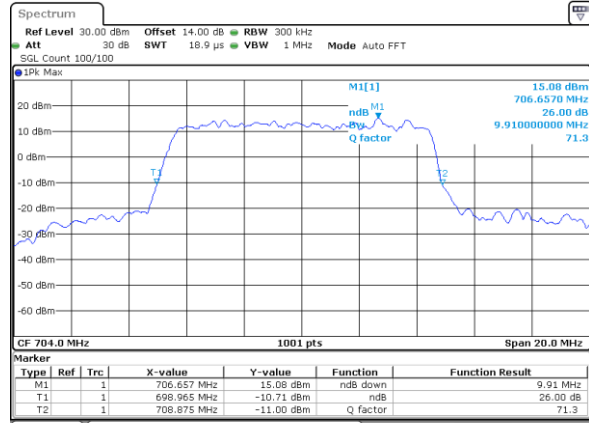


LTE Band 12

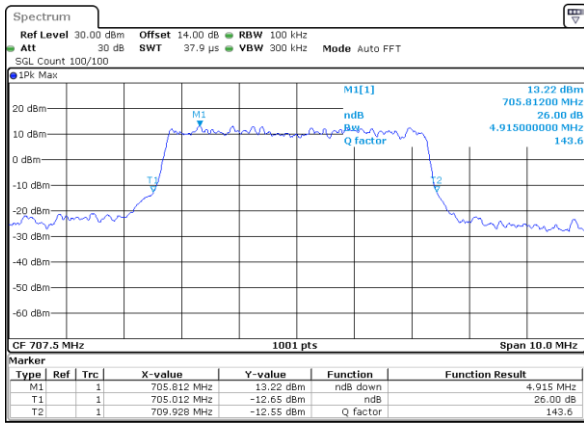
Lowest Channel / 5MHz / 64QAM



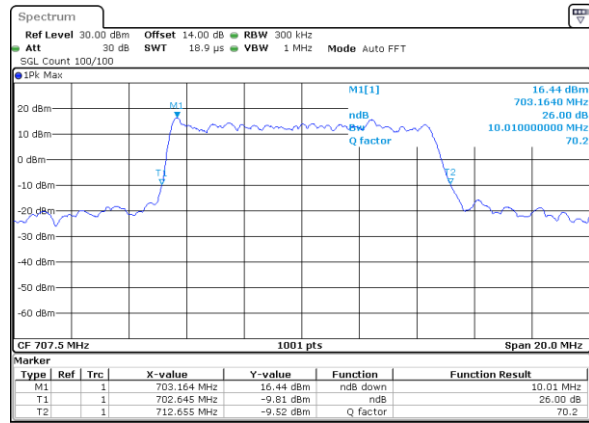
Lowest Channel / 10MHz / 64QAM



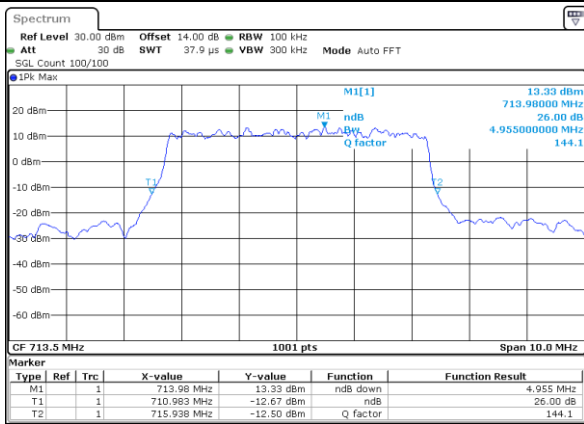
Middle Channel / 5MHz / 64QAM



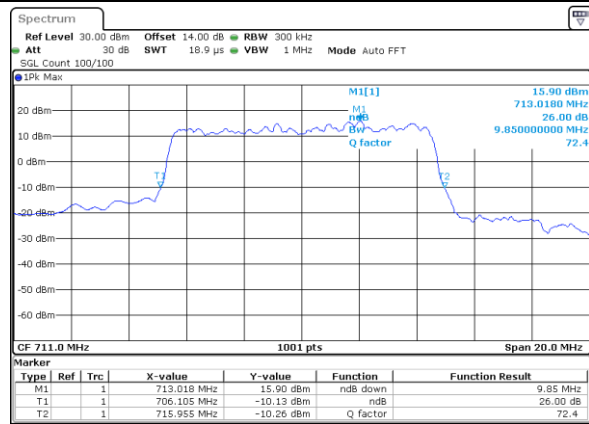
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



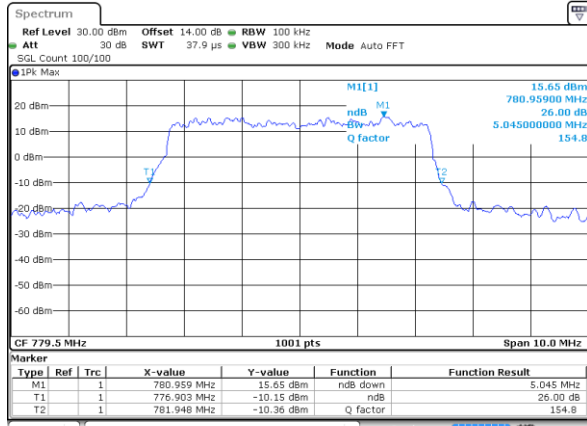
Highest Channel / 10MHz / 64QAM



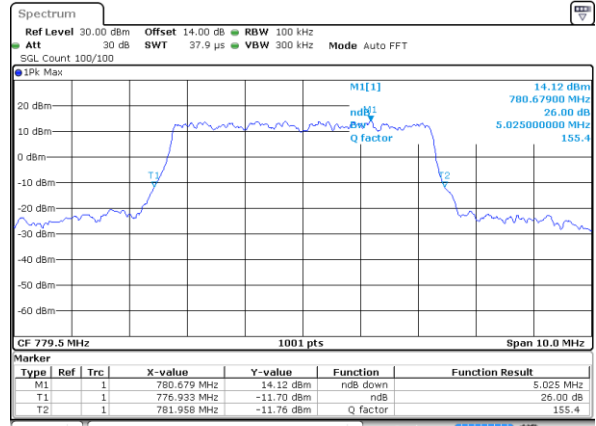


LTE Band 13

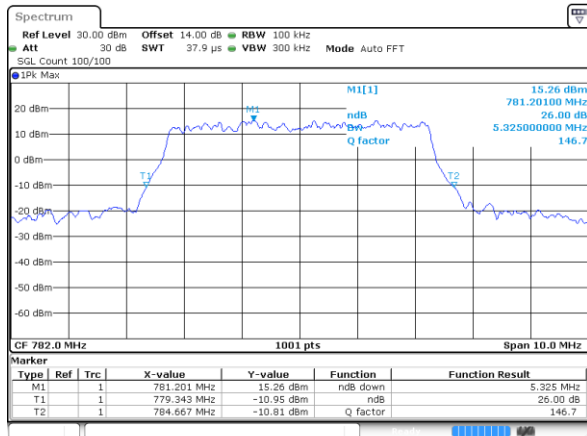
Lowest Channel / 5MHz / QPSK



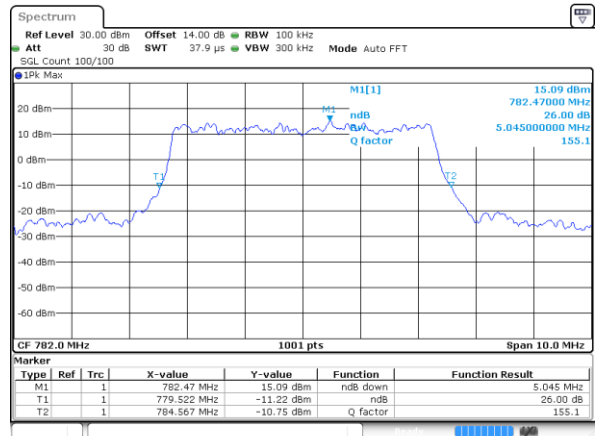
Lowest Channel / 5MHz / 16QAM



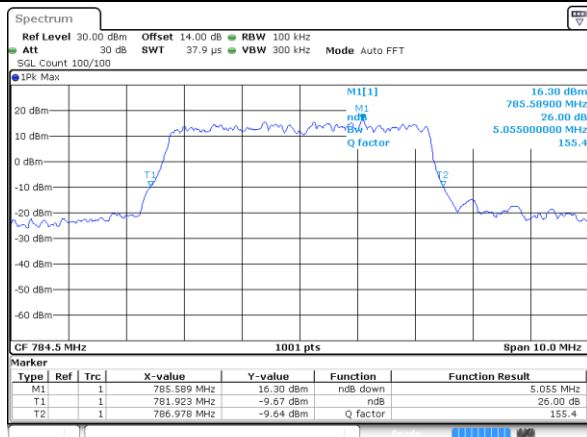
Middle Channel / 5MHz / QPSK



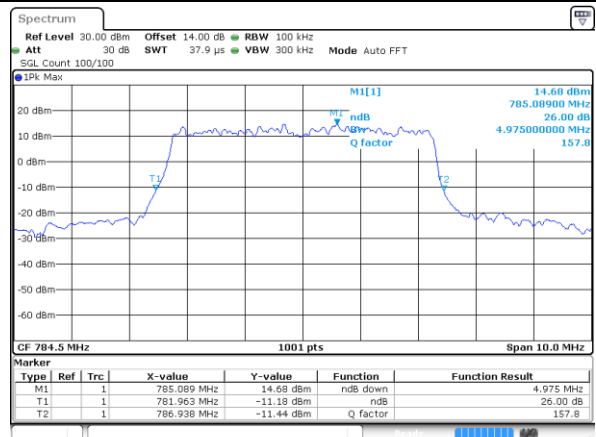
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



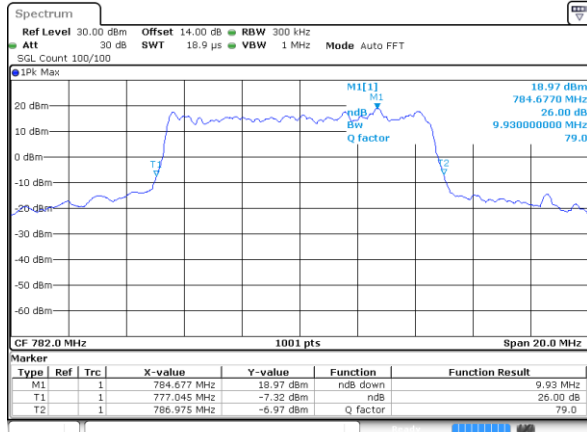
Highest Channel / 5MHz / 16QAM





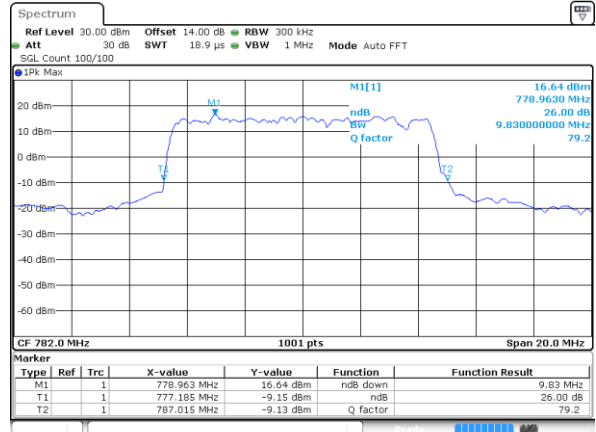
LTE Band 13

Middle Channel / 10MHz / QPSK



Date: 14.SEP.2018 00:27:09

Middle Channel / 10MHz / 16QAM

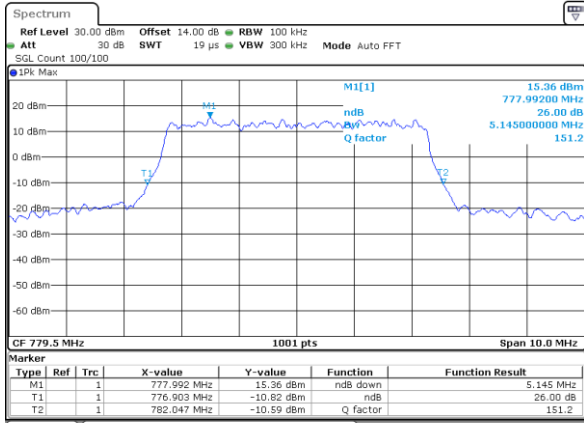


Date: 14.SEP.2018 00:27:19

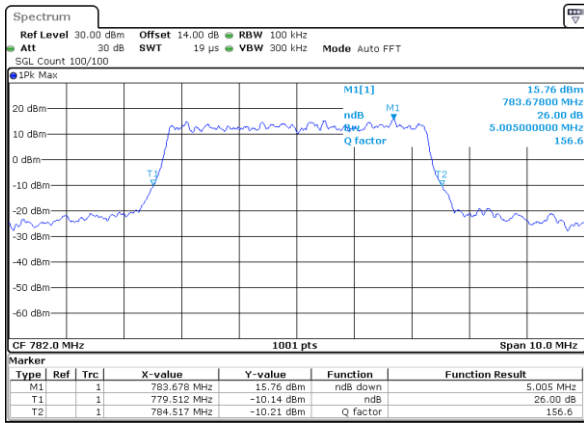


LTE Band 13

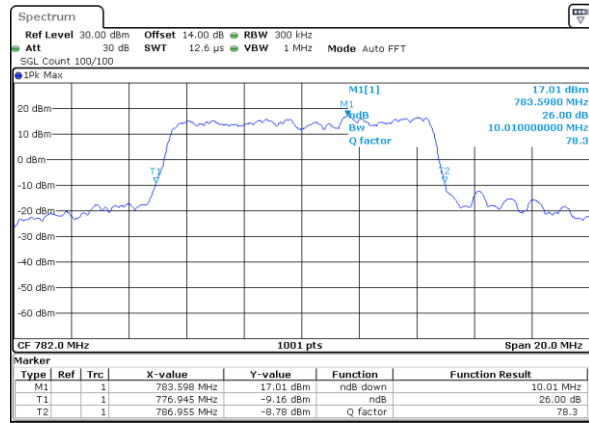
Lowest Channel / 5MHz / 64QAM



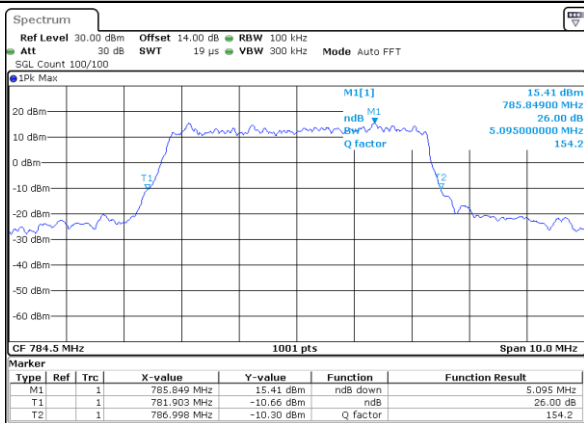
Middle Channel / 5MHz / 64QAM



Middle Channel / 10MHz / 64QAM



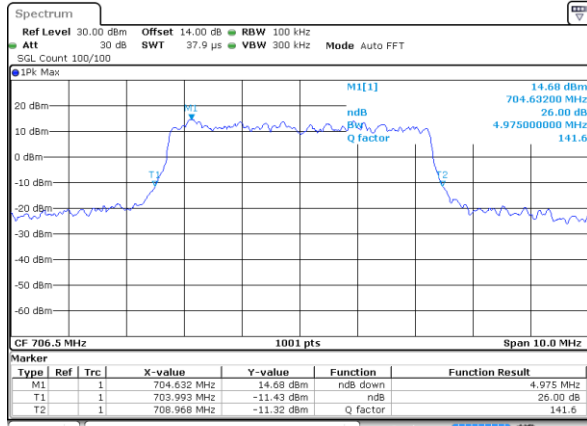
Highest Channel / 5MHz / 64QAM





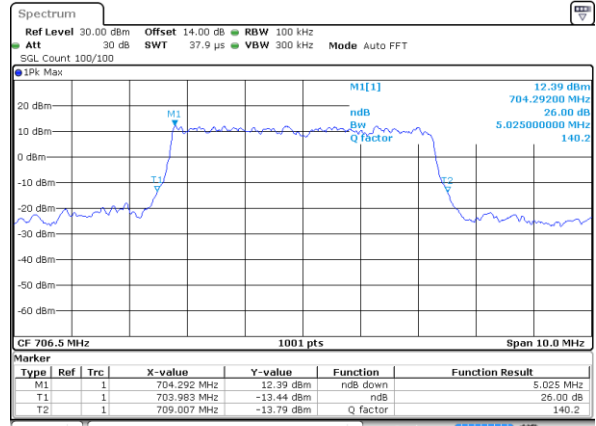
LTE Band 17

Lowest Channel / 5MHz / QPSK



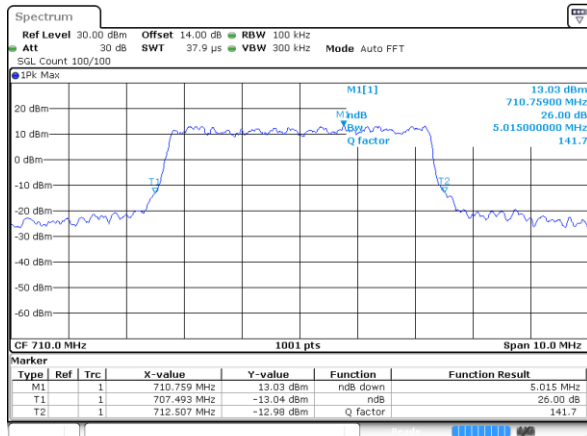
Date: 13 SEP 2018 13:07:31

Lowest Channel / 5MHz / 16QAM



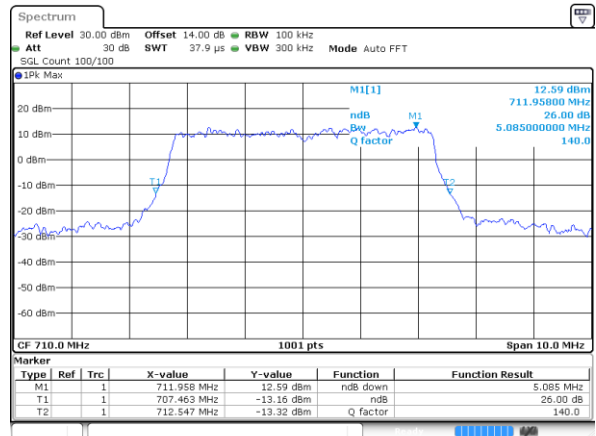
Date: 13 SEP 2018 13:07:40

Middle Channel / 5MHz / QPSK



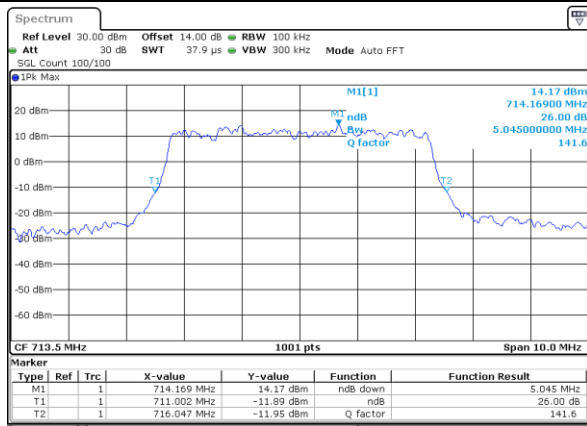
Date: 13 SEP 2018 13:14:28

Middle Channel / 5MHz / 16QAM



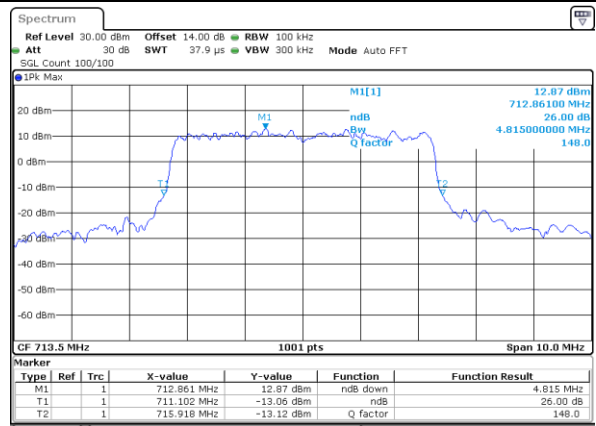
Date: 13 SEP 2018 13:14:38

Highest Channel / 5MHz / QPSK



Date: 13 SEP 2018 13:16:53

Highest Channel / 5MHz / 16QAM

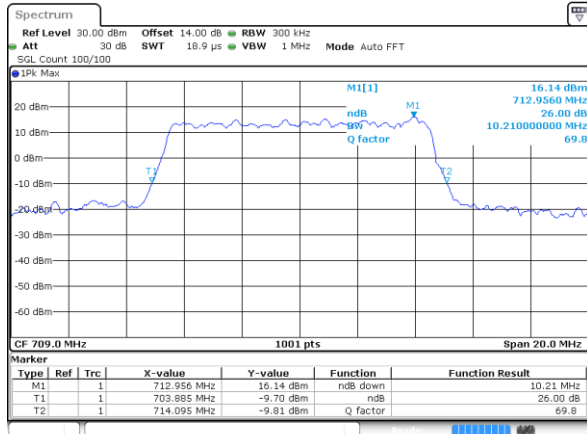


Date: 13 SEP 2018 13:17:03

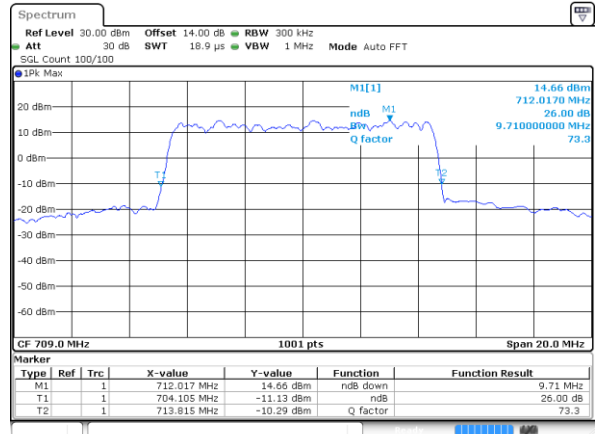


LTE Band 17

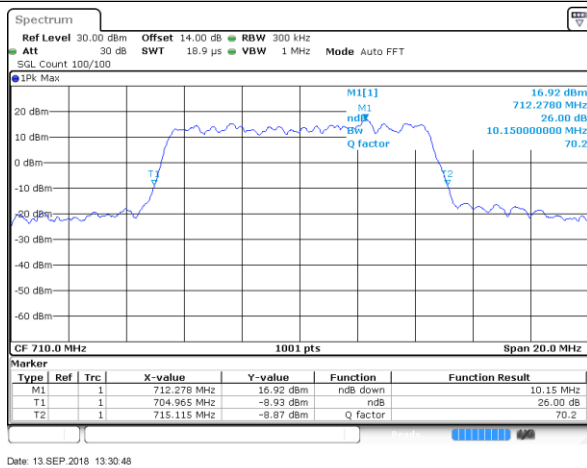
Lowest Channel / 10MHz / QPSK



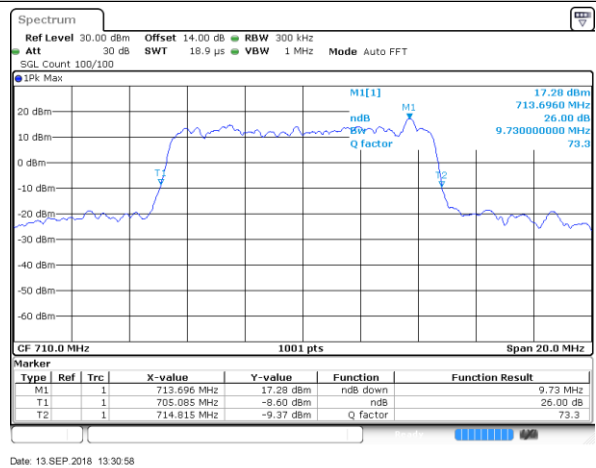
Lowest Channel / 10MHz / 16QAM



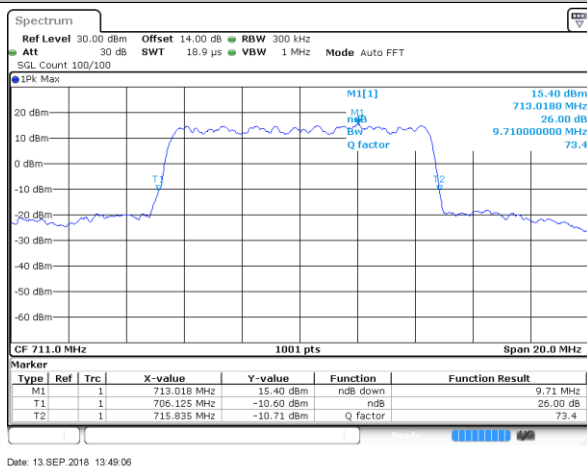
Middle Channel / 10MHz / QPSK



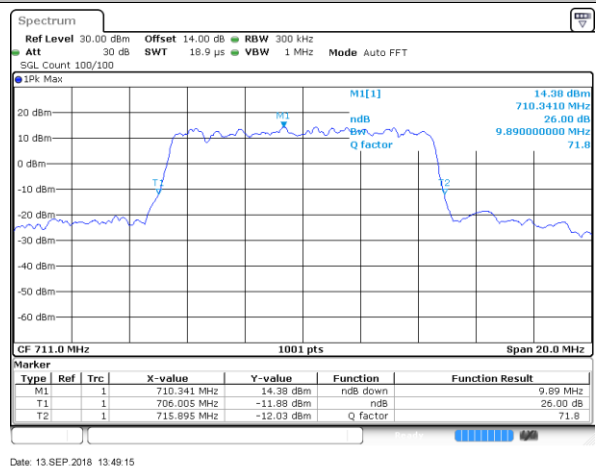
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



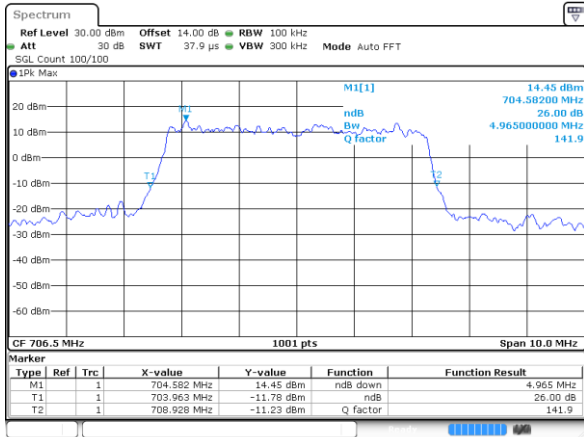
Highest Channel / 10MHz / 16QAM



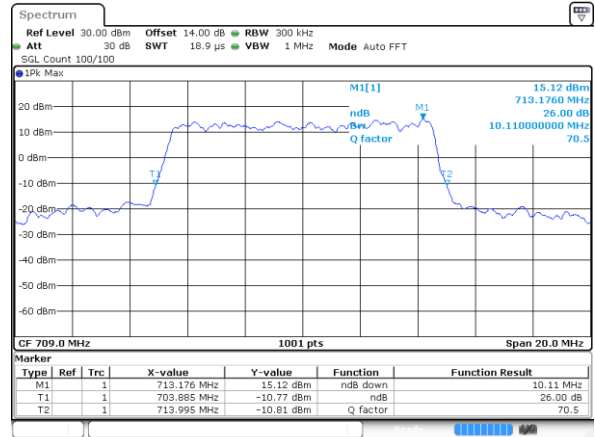


LTE Band 17

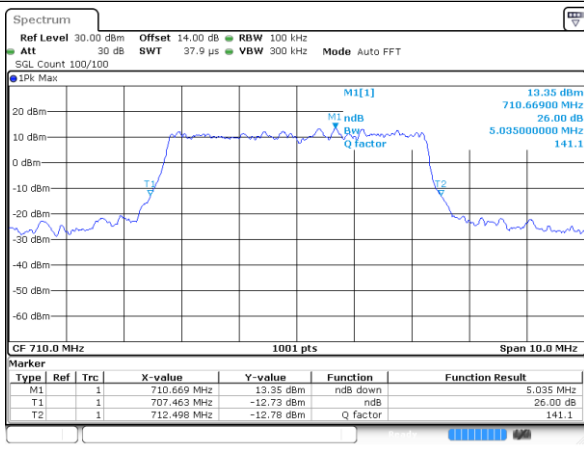
Lowest Channel / 5MHz / 64QAM



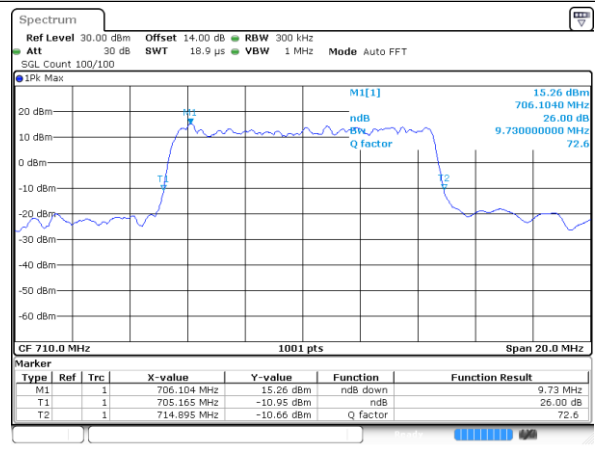
Lowest Channel / 10MHz / 64QAM



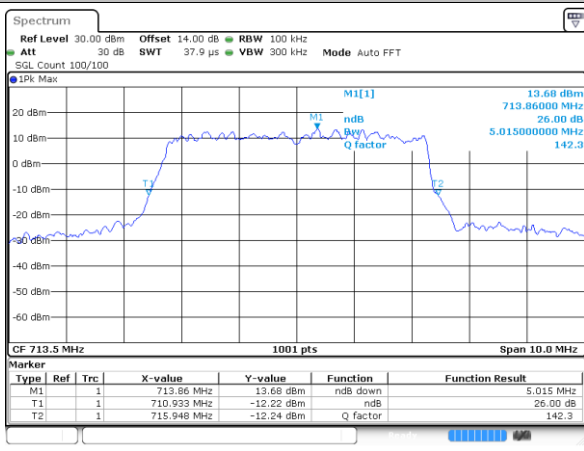
Middle Channel / 5MHz / 64QAM



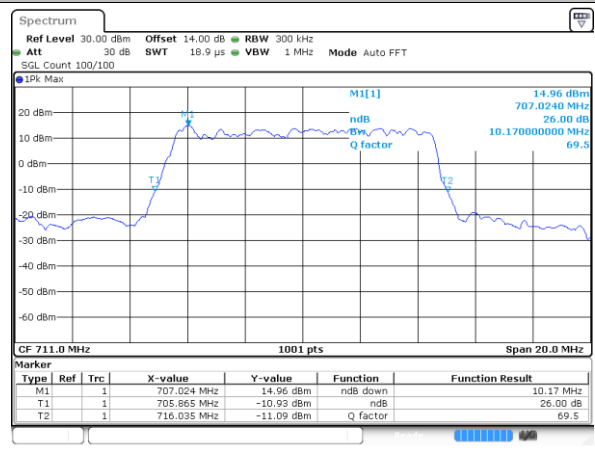
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



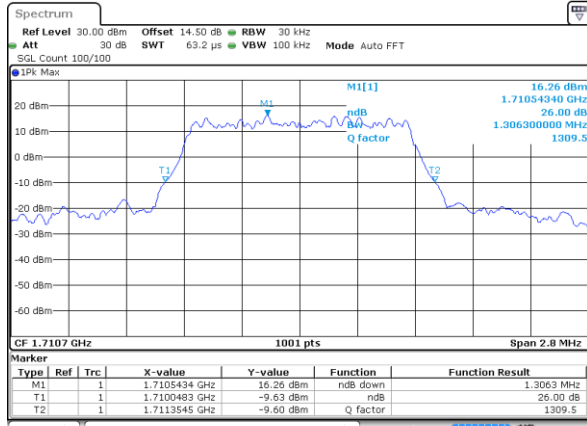
Highest Channel / 10MHz / 64QAM





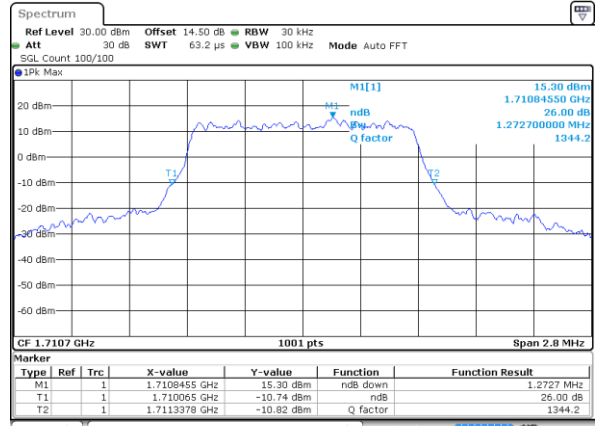
LTE Band 66

Lowest Channel / 1.4MHz / QPSK



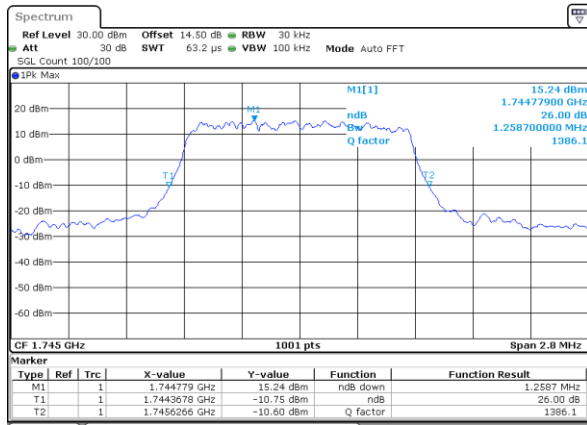
Date: 22 SEP 2018 13:11:08

Lowest Channel / 1.4MHz / 16QAM



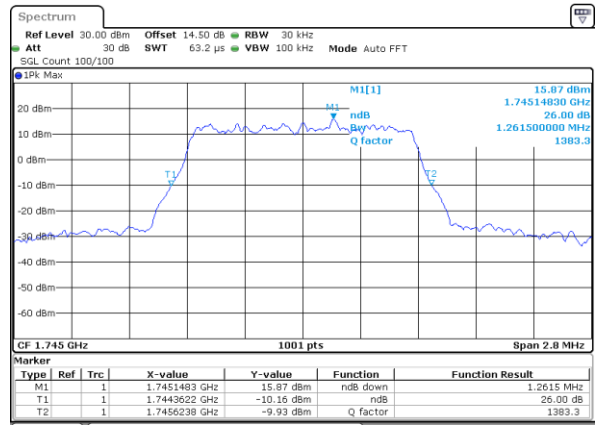
Date: 22 SEP 2018 13:11:35

Middle Channel / 1.4MHz / QPSK



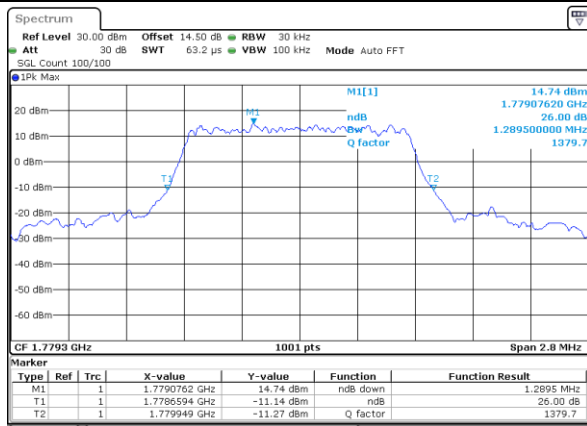
Date: 22 SEP 2018 13:15:41

Middle Channel / 1.4MHz / 16QAM



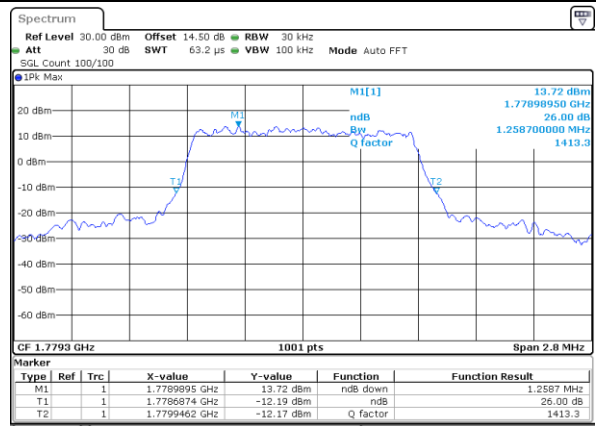
Date: 22 SEP 2018 13:15:59

Highest Channel / 1.4MHz / QPSK



Date: 22 SEP 2018 13:50:48

Highest Channel / 1.4MHz / 16QAM

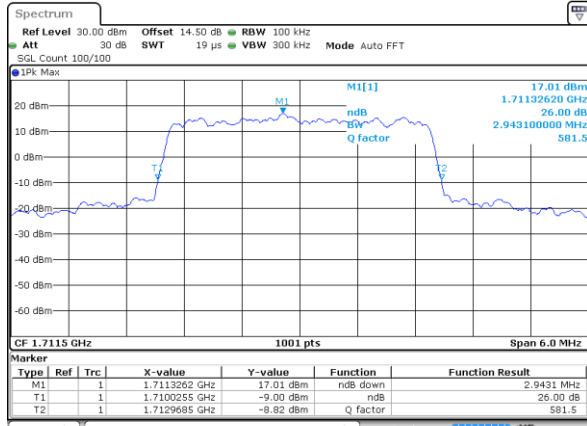


Date: 22 SEP 2018 13:51:17



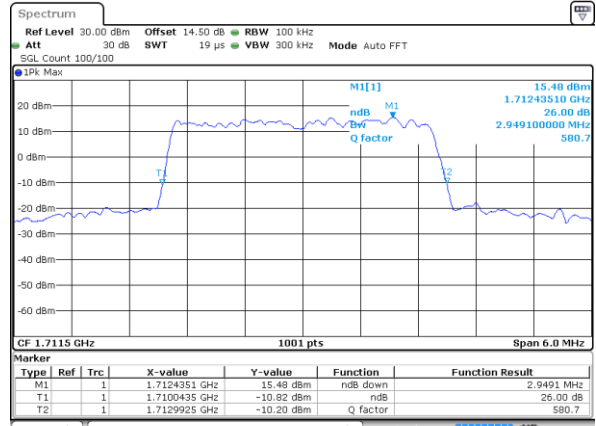
LTE Band 66

Lowest Channel / 3MHz / QPSK



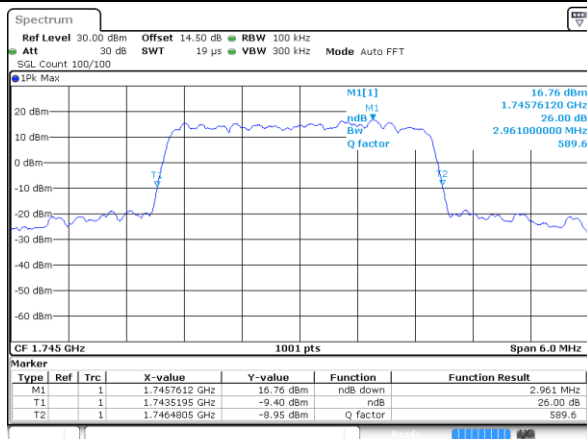
Date: 22 SEP 2018 15:21:44

Lowest Channel / 3MHz / 16QAM



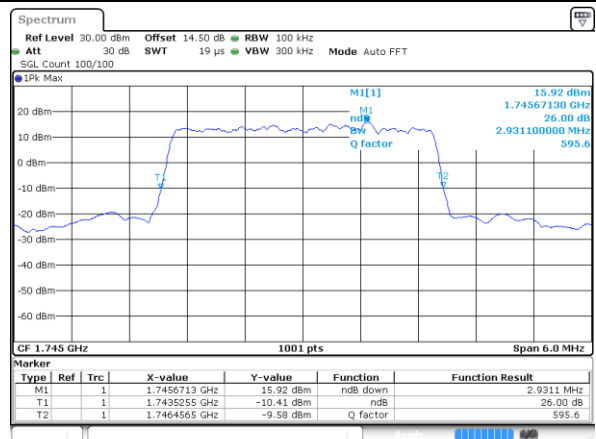
Date: 22 SEP 2018 15:22:11

Middle Channel / 3MHz / QPSK



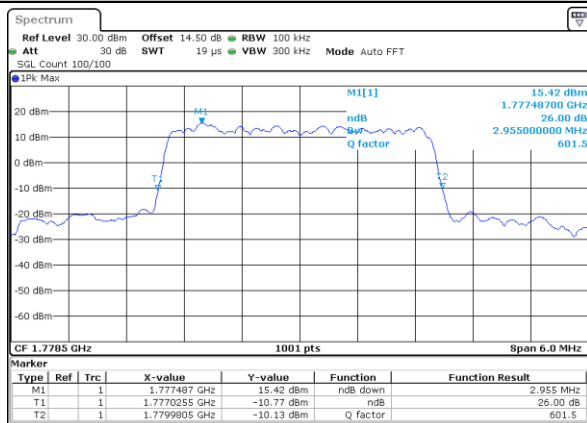
Date: 22 SEP 2018 15:20:46

Middle Channel / 3MHz / 16QAM



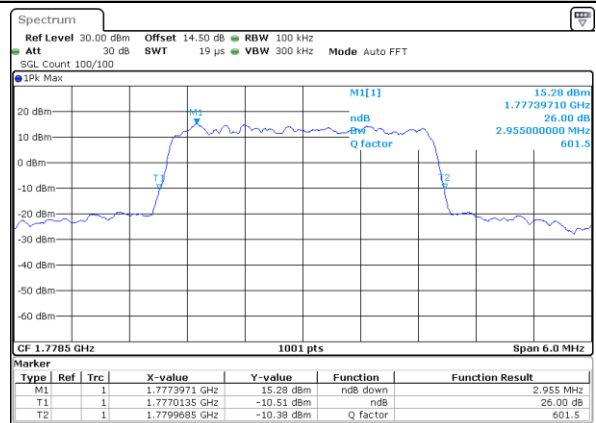
Date: 22 SEP 2018 15:20:21

Highest Channel / 3MHz / QPSK



Date: 22 SEP 2018 15:17:32

Highest Channel / 3MHz / 16QAM

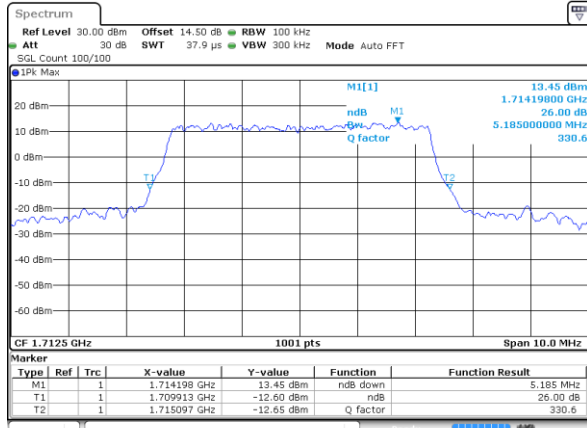


Date: 22 SEP 2018 15:18:16

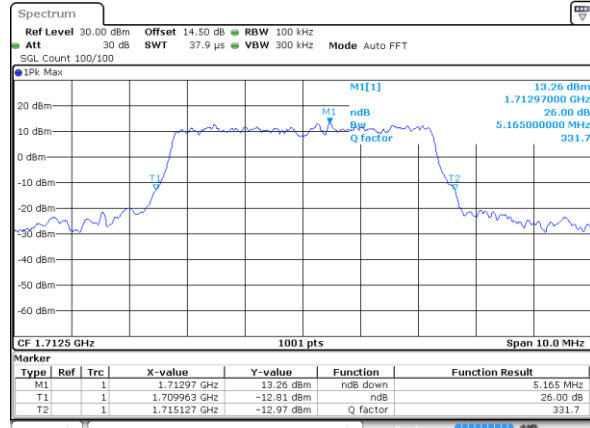


LTE Band 66

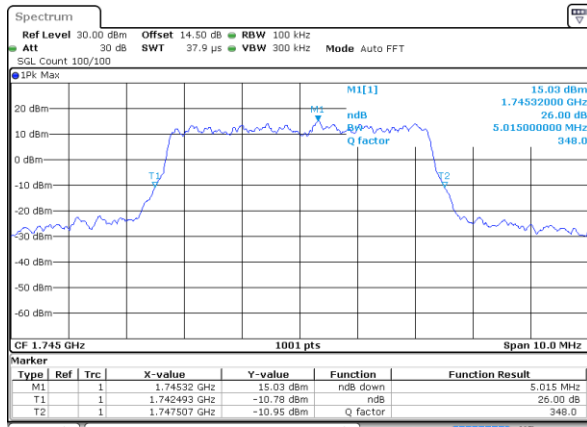
Lowest Channel / 5MHz / QPSK



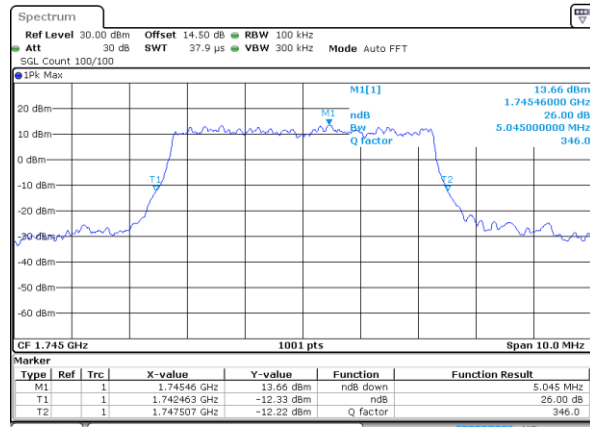
Lowest Channel / 5MHz / 16QAM



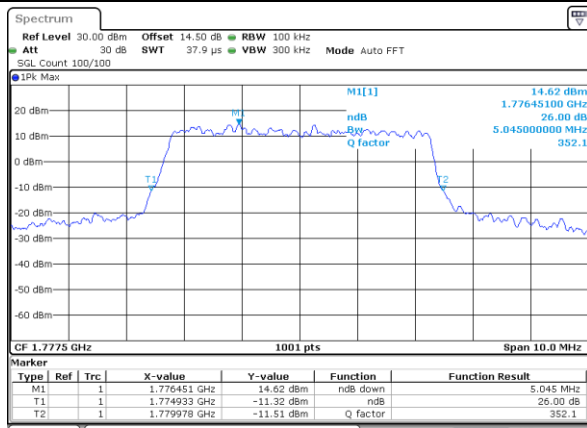
Middle Channel / 5MHz / QPSK



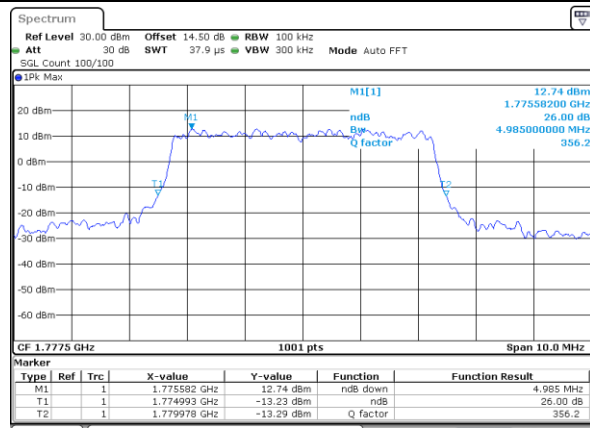
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



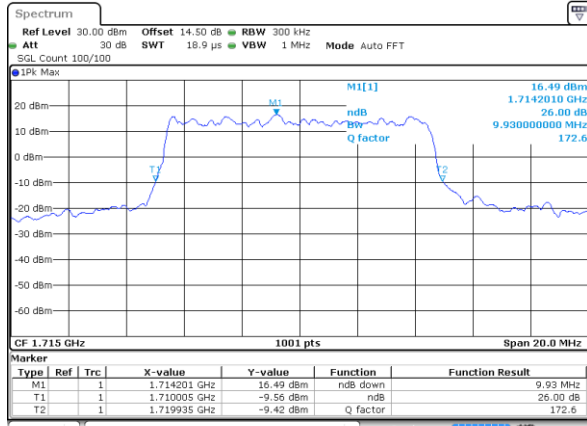
Highest Channel / 5MHz / 16QAM





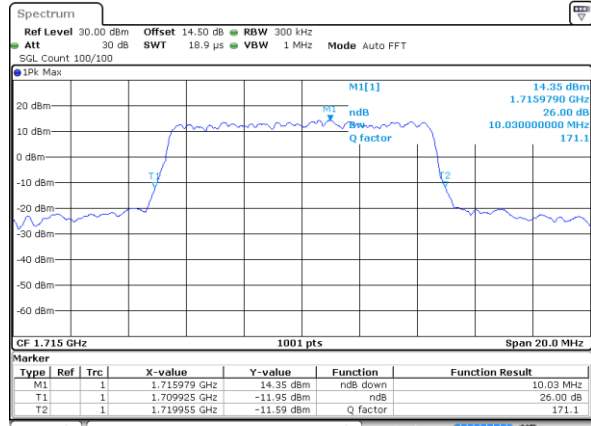
LTE Band 66

Lowest Channel / 10MHz / QPSK



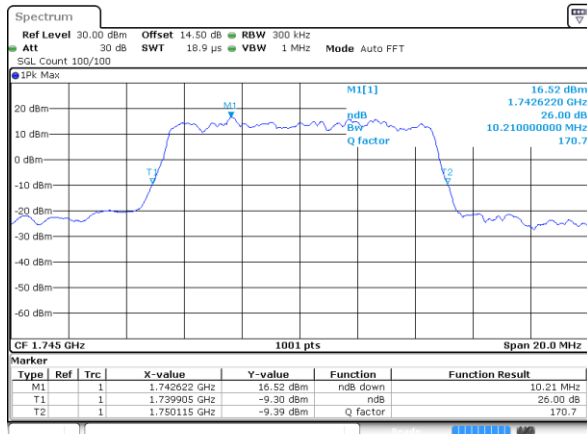
Date: 22 SEP 2018 17:29:50

Lowest Channel / 10MHz / 16QAM



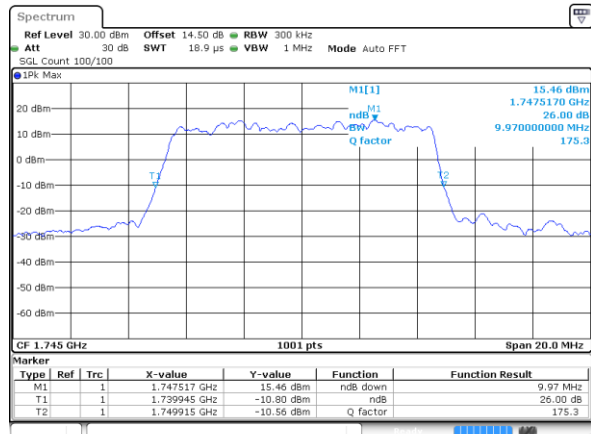
Date: 22 SEP 2018 17:30:17

Middle Channel / 10MHz / QPSK



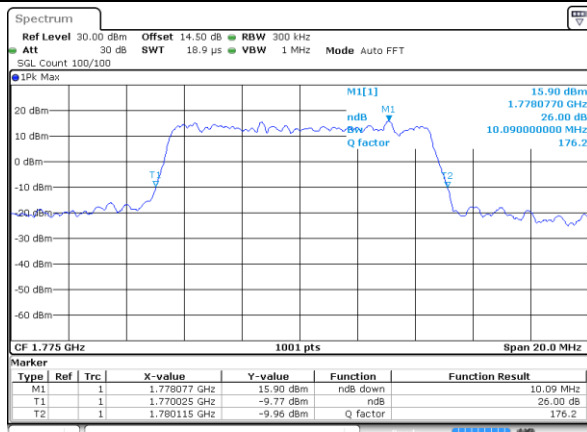
Date: 22 SEP 2018 17:28:50

Middle Channel / 10MHz / 16QAM



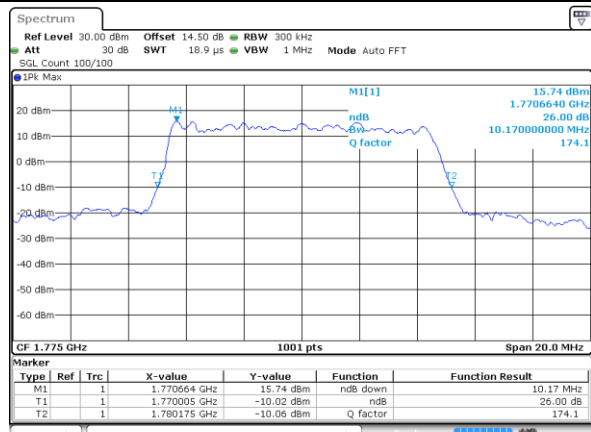
Date: 22 SEP 2018 17:27:46

Highest Channel / 10MHz / QPSK



Date: 22 SEP 2018 17:25:02

Highest Channel / 10MHz / 16QAM

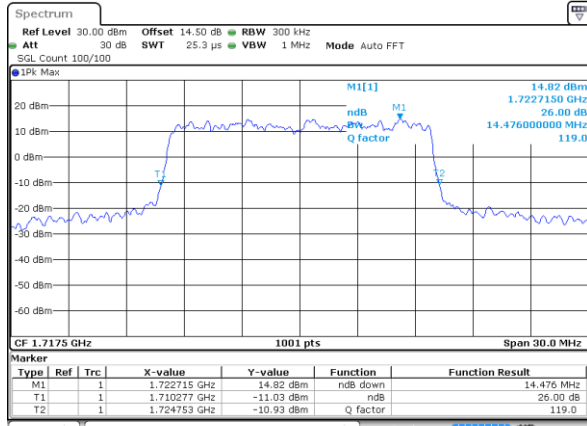


Date: 22 SEP 2018 17:25:22



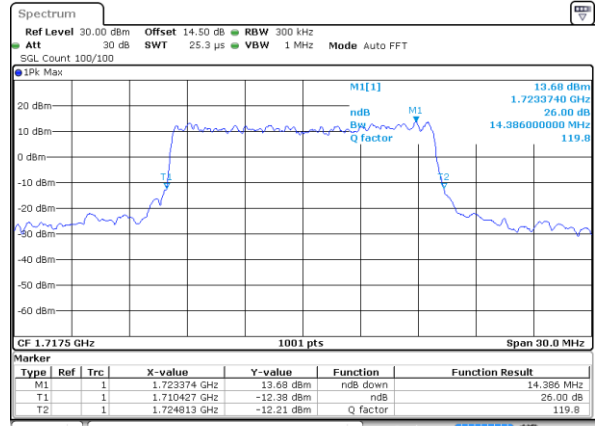
LTE Band 66

Lowest Channel / 15MHz / QPSK



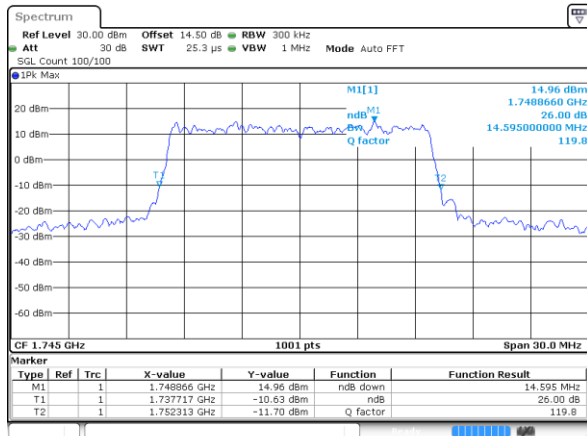
Date: 22 SEP 2018 18:05:46

Lowest Channel / 15MHz / 16QAM



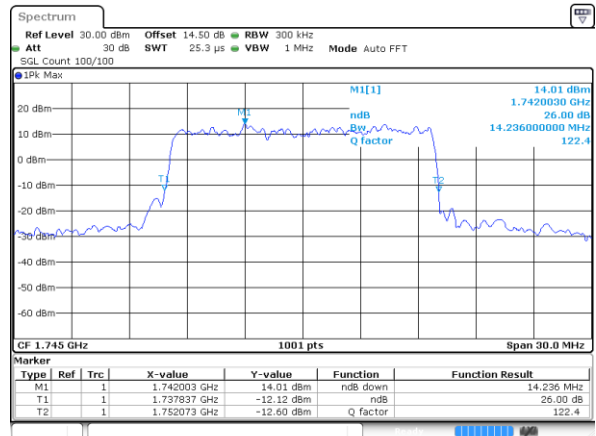
Date: 22 SEP 2018 18:06:23

Middle Channel / 15MHz / QPSK



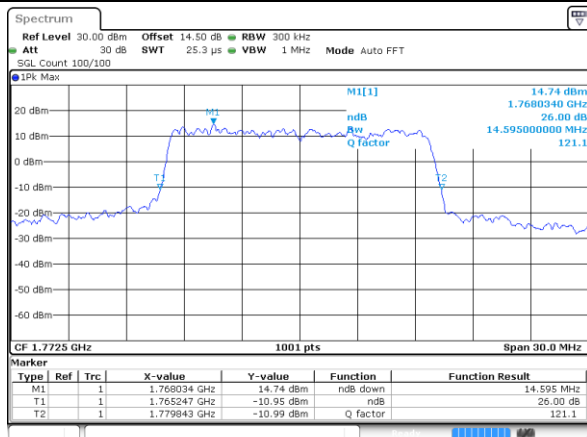
Date: 22 SEP 2018 18:08:49

Middle Channel / 15MHz / 16QAM



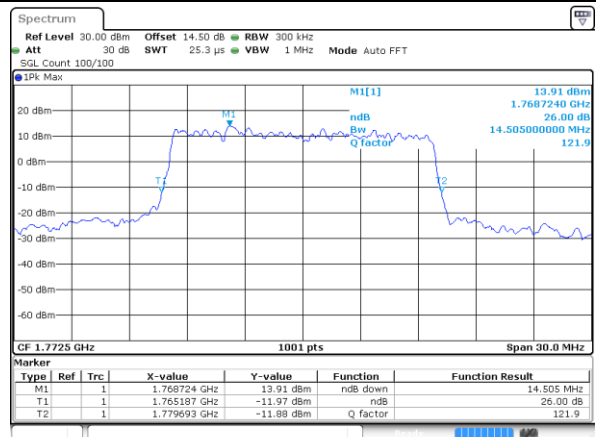
Date: 22 SEP 2018 18:08:18

Highest Channel / 15MHz / QPSK



Date: 22 SEP 2018 18:09:55

Highest Channel / 15MHz / 16QAM

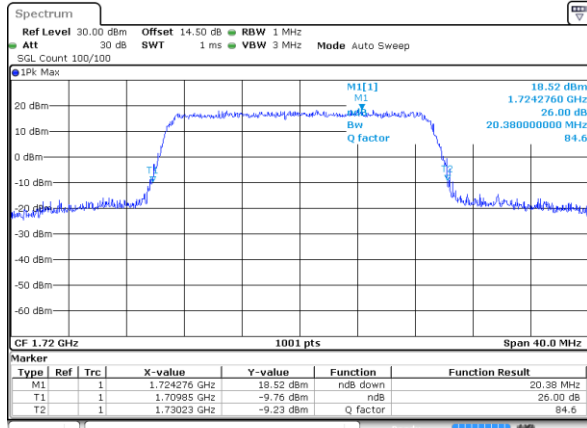


Date: 22 SEP 2018 18:10:18

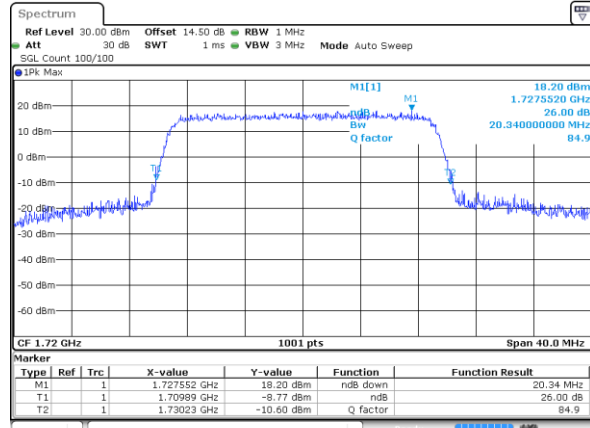


LTE Band 66

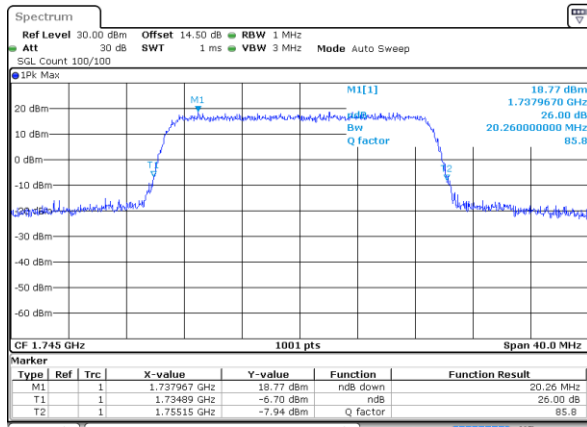
Lowest Channel / 20MHz / QPSK



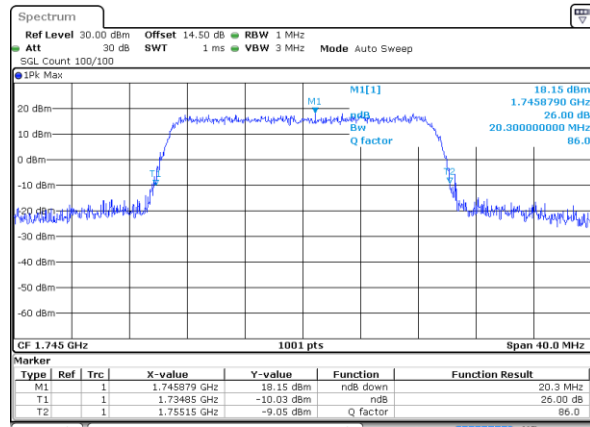
Lowest Channel / 20MHz / 16QAM



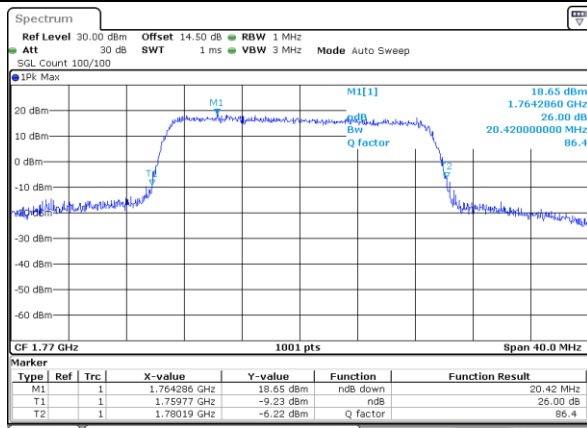
Middle Channel / 20MHz / QPSK



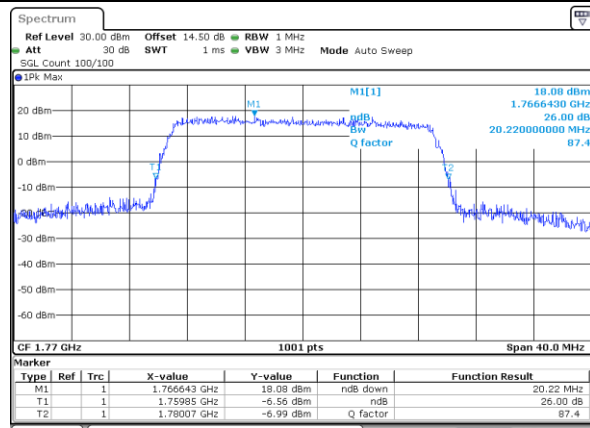
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



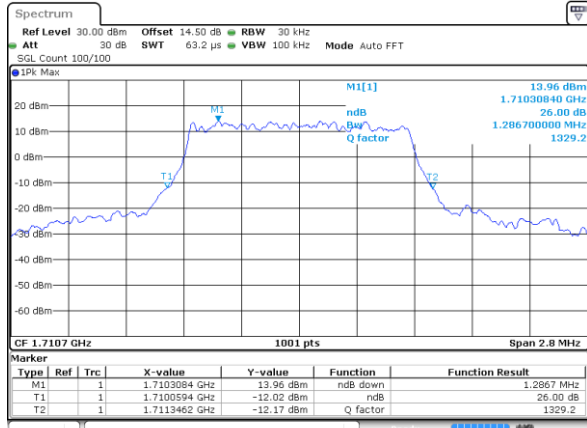
Highest Channel / 20MHz / 16QAM





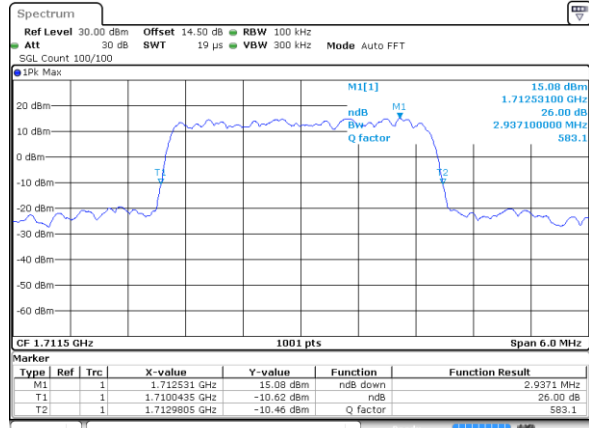
LTE Band 66

Lowest Channel / 1.4MHz / 64QAM



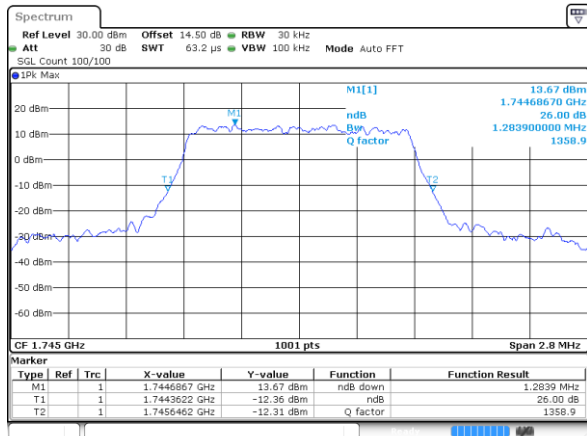
Date: 22 SEP 2018 13:12:02

Lowest Channel / 3MHz / 64QAM



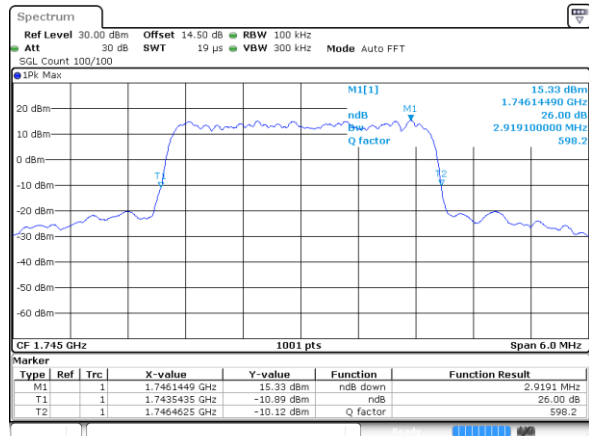
Date: 22 SEP 2018 15:22:32

Middle Channel / 1.4MHz / 64QAM



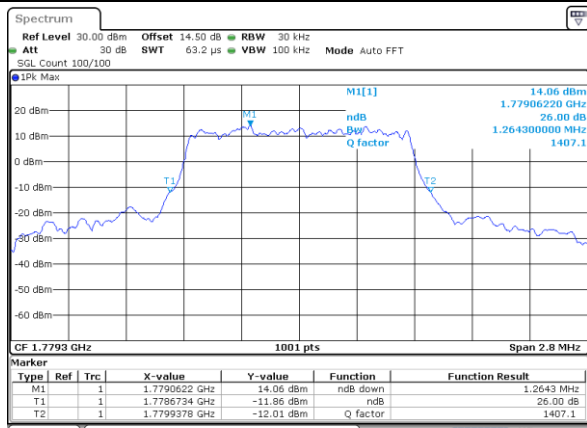
Date: 22 SEP 2018 13:16:14

Middle Channel / 3MHz / 64QAM



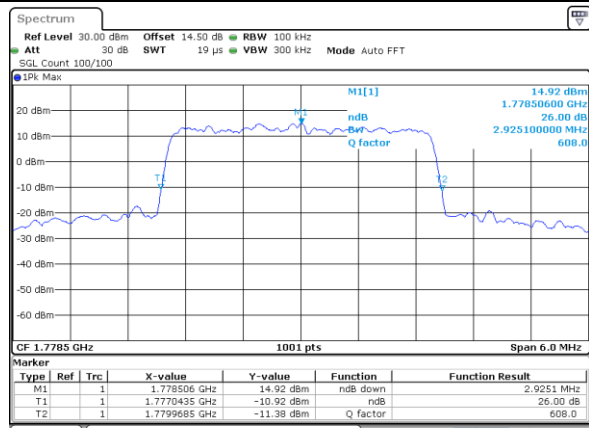
Date: 22 SEP 2018 15:19:45

Highest Channel / 1.4MHz / 64QAM



Date: 22 SEP 2018 13:51:34

Highest Channel / 3MHz / 64QAM

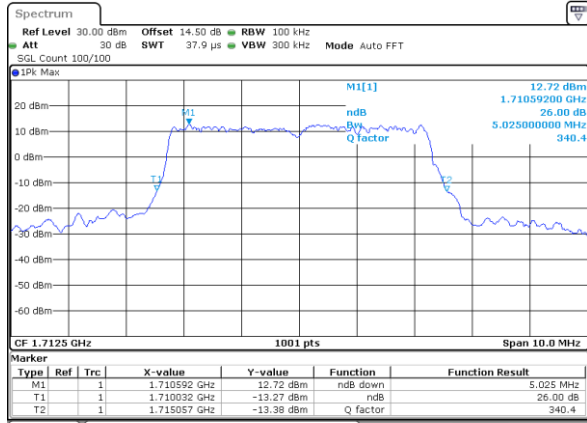


Date: 22 SEP 2018 15:18:49

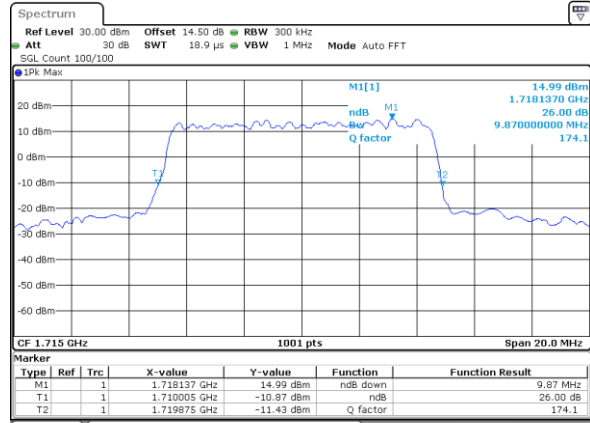


LTE Band 66

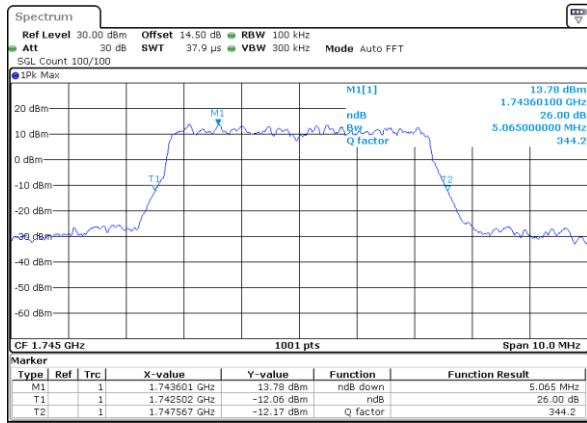
Lowest Channel / 5MHz / 64QAM



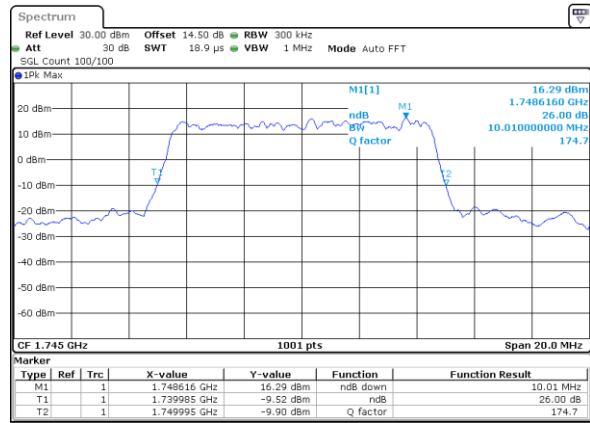
Lowest Channel / 10MHz / 64QAM



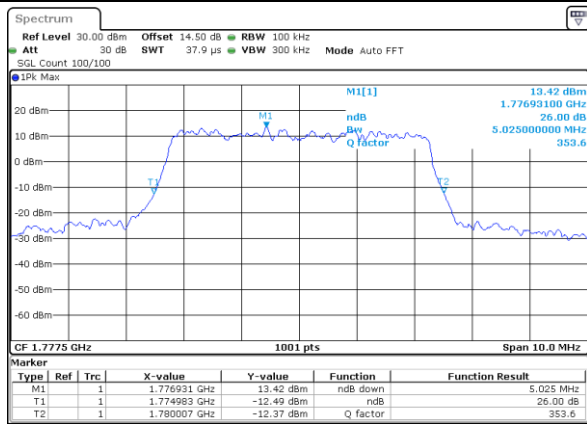
Middle Channel / 5MHz / 64QAM



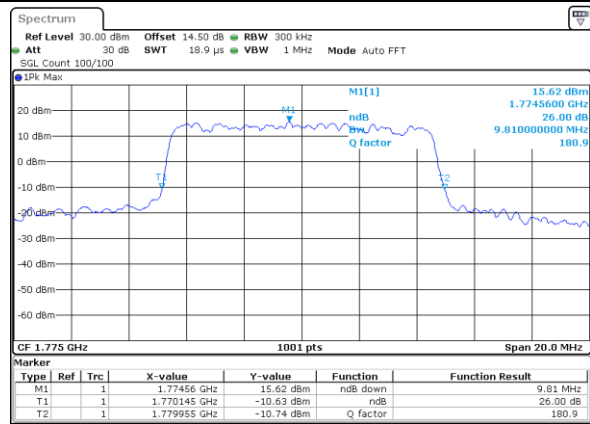
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



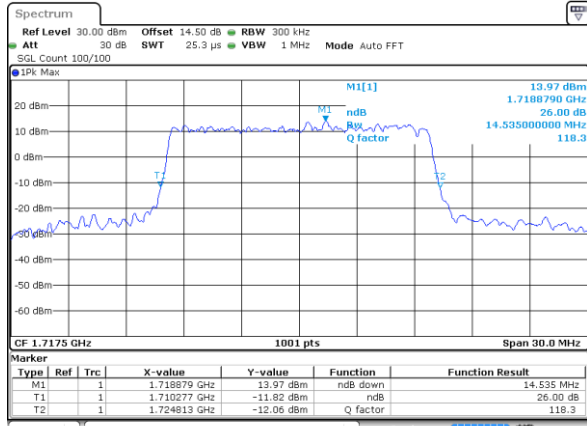
Highest Channel / 10MHz / 64QAM





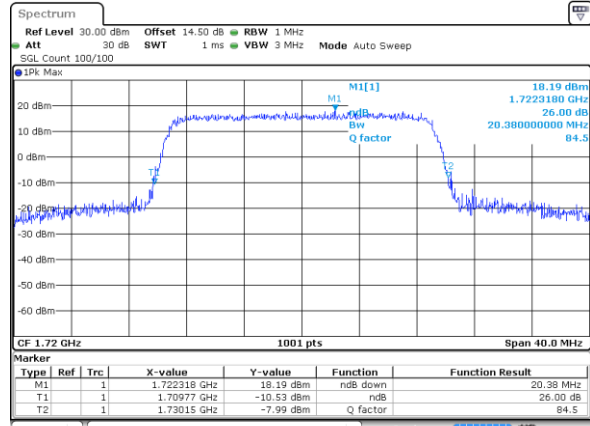
LTE Band 66

Lowest Channel / 15MHz / 64QAM



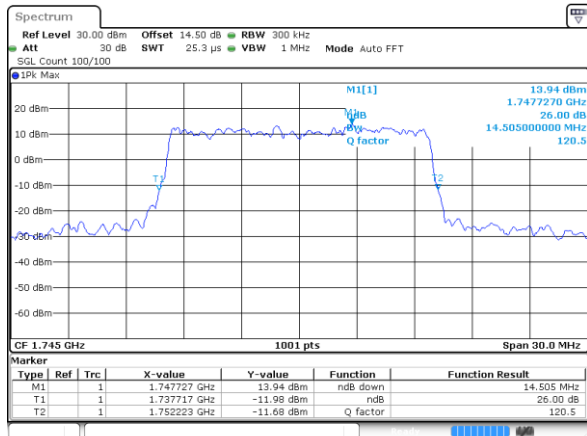
Date: 22 SEP 2018 18:06:44

Lowest Channel / 20MHz / 64QAM



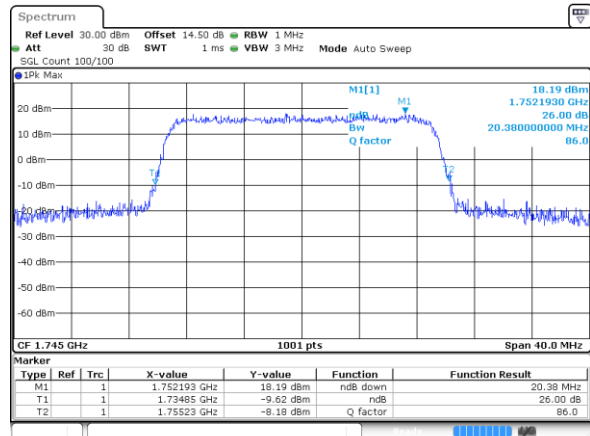
Date: 22 SEP 2018 21:18:55

Middle Channel / 15MHz / 64QAM



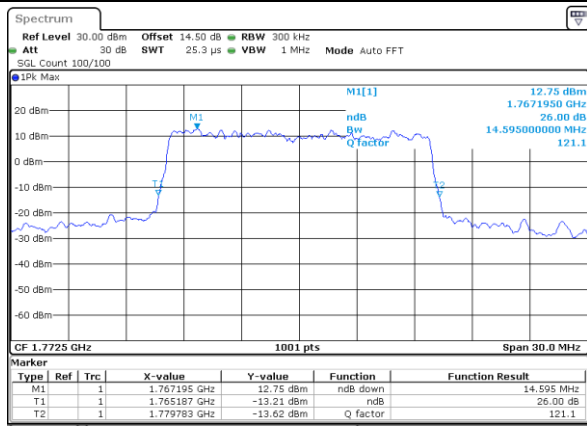
Date: 22 SEP 2018 18:07:52

Middle Channel / 20MHz / 64QAM



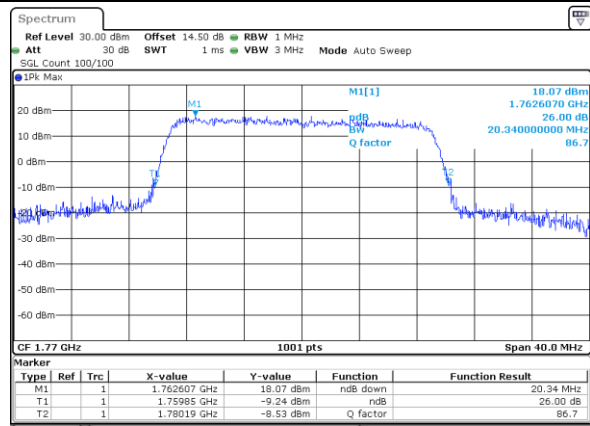
Date: 22 SEP 2018 21:17:55

Highest Channel / 15MHz / 64QAM



Date: 22 SEP 2018 18:11:35

Highest Channel / 20MHz / 64QAM



Date: 22 SEP 2018 21:11:03



Occupied Bandwidth

Mode	LTE Band 2 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.10	1.08	2.70	2.72	4.48	4.48	9.13	9.07	13.52	13.52	18.38	18.34
Middle CH	1.09	1.09	2.70	2.72	4.47	4.46	9.05	9.05	13.46	13.46	18.46	18.42
Highest CH	1.09	1.09	2.71	2.72	4.47	4.49	9.01	9.01	13.46	13.49	18.34	18.38
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.09		2.72		4.50		9.03		13.46		18.46	
Middle CH	1.10		2.72		4.49		9.05		13.40		18.34	
Highest CH	1.09		2.70		4.49		9.01		13.49		18.34	

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	1.08	1.09	2.70	2.69	4.47	4.49	9.03	9.05	13.49	13.40	18.34	18.38
Middle CH	1.09	1.09	2.70	2.70	4.49	4.50	9.01	9.05	13.46	13.49	18.38	18.34
Highest CH	1.09	1.10	2.70	2.70	4.48	4.50	9.01	8.99	13.49	13.49	18.42	18.38
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.08		2.73		4.49		9.07		13.46		18.34	
Middle CH	1.09		2.70		4.49		9.07		13.46		18.42	
Highest CH	1.09		2.71		4.47		8.99		13.40		18.38	

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	2.73	2.69	4.49	4.49	9.07	9.03	1.09	2.72	4.49	9.07
Middle CH	1.09	1.09	2.72	2.72	4.47	4.50	9.05	9.01	1.09	2.73	4.48	8.99
Highest CH	1.09	1.09	2.70	2.72	4.49	4.49	9.05	9.03	1.09	2.71	4.48	9.03



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	9.15	9.07	13.52	13.46	18.42	18.46
Middle CH	-	-	-	-	4.48	4.47	9.07	9.01	13.43	13.46	18.38	18.42
Highest CH	-	-	-	-	4.50	4.50	9.03	9.03	13.49	13.40	18.38	18.34
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-		-		4.47		9.07		13.46		18.38	
Middle CH	-		-		4.51		9.07		13.43		18.34	
Highest CH	-		-		4.50		9.01		13.40		18.38	

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	1.10	2.72	2.72	4.49	4.51	9.07	8.99	1.09	2.72	4.50	9.01
Middle CH	1.10	1.09	2.73	2.71	4.53	4.51	9.03	9.07	1.09	2.70	4.50	9.07
Highest CH	1.09	1.10	2.70	2.71	4.50	4.49	9.05	9.01	1.09	2.71	4.49	9.06

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	-	-	-	-	4.51	4.49	-	-	-	-	-	-
Middle CH	-	-	-	-	4.51	4.50	9.07	9.01	-	-	-	-
Highest CH	-	-	-	-	4.49	4.51	-	-	-	-	-	-
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-		-		4.49		-		-		-	
Middle CH	-		-		4.50		9.11		-		-	
Highest CH	-		-		4.50		-		-		-	



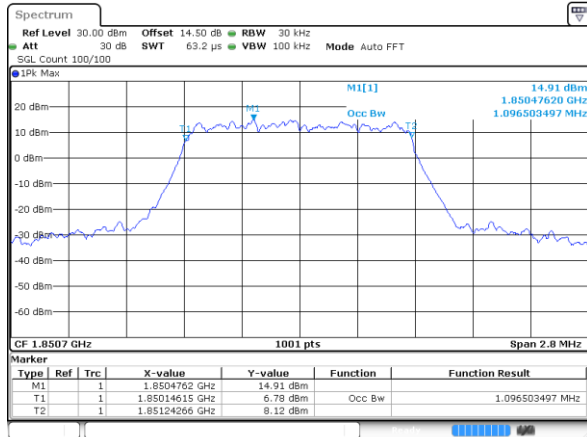
Mode	LTE Band 17 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.52	4.50	9.11	9.11	-	-	-	-
Middle CH	-	-	-	-	4.52	4.51	9.11	9.03	-	-	-	-
Highest CH	-	-	-	-	4.53	4.50	9.11	9.09	-	-	-	-
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-		-		4.51		9.11		-		-	
Middle CH	-		-		4.49		9.07		-		-	
Highest CH	-		-		4.50		9.07		-		-	

Mode	LTE Band 66 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.71	2.71	4.50	4.51	9.07	8.99	13.43	13.52	18.34	18.34
Middle CH	1.09	1.09	2.71	2.70	4.51	4.50	9.07	9.05	13.43	13.49	18.38	18.43
Highest CH	1.09	1.08	2.71	2.73	4.50	4.50	9.07	9.07	13.49	13.46	18.38	18.34
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.09		2.69		4.50		9.03		13.49		18.38	
Middle CH	1.09		2.71		4.50		9.05		13.43		18.42	
Highest CH	1.09		2.70		4.48		9.01		13.49		18.42	

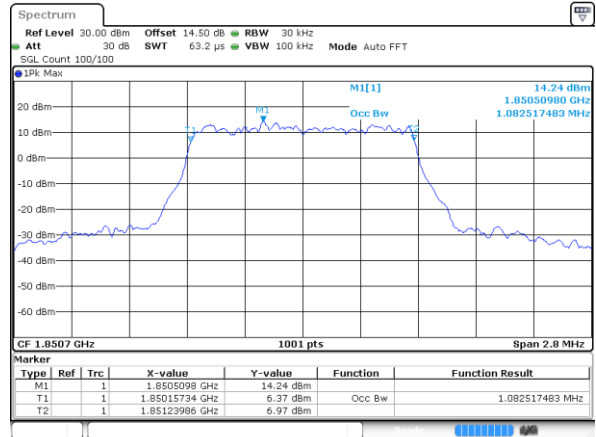


LTE Band 2

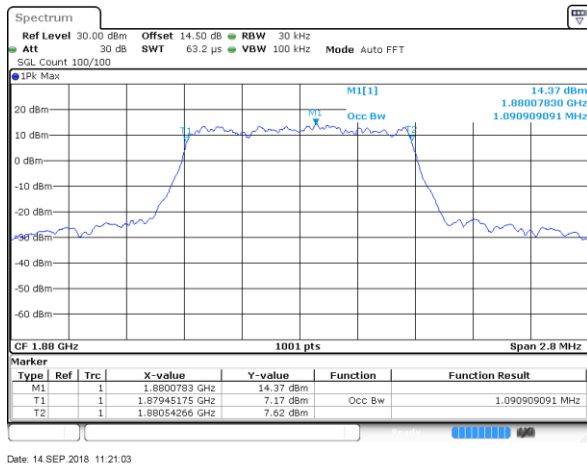
Lowest Channel / 1.4MHz / QPSK



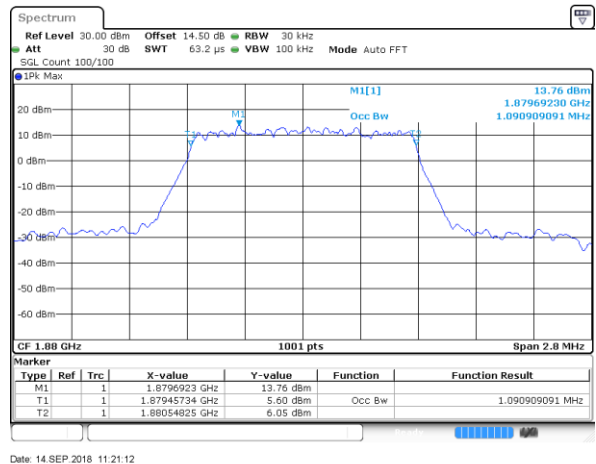
Lowest Channel / 1.4MHz / 16QAM



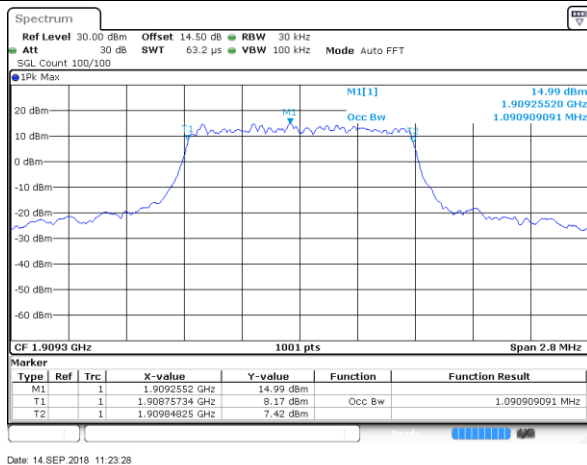
Middle Channel / 1.4MHz / QPSK



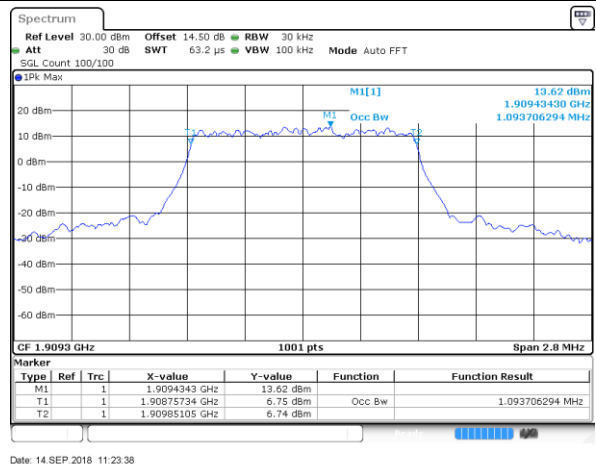
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



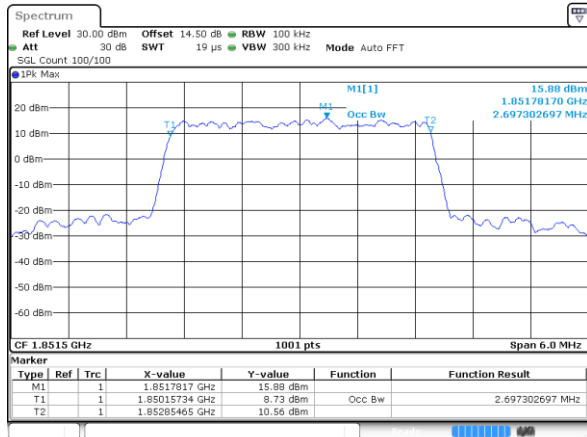
Highest Channel / 1.4MHz / 16QAM





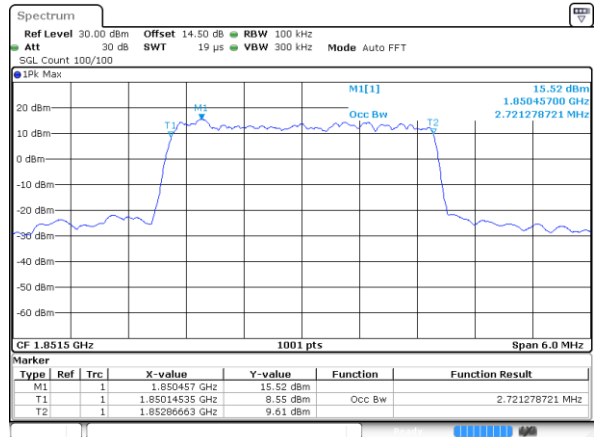
LTE Band 2

Lowest Channel / 3MHz / QPSK



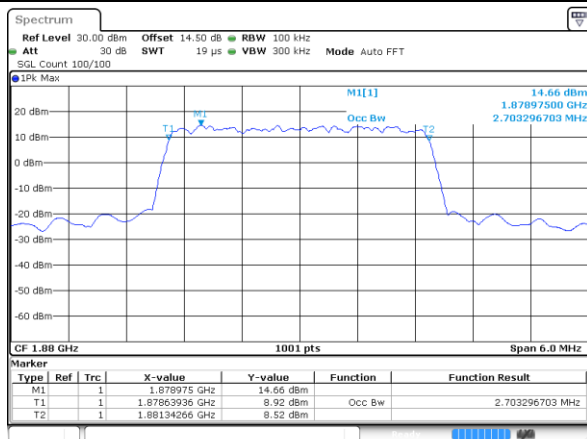
Date: 14 SEP 2018 11:30:26

Lowest Channel / 3MHz / 16QAM



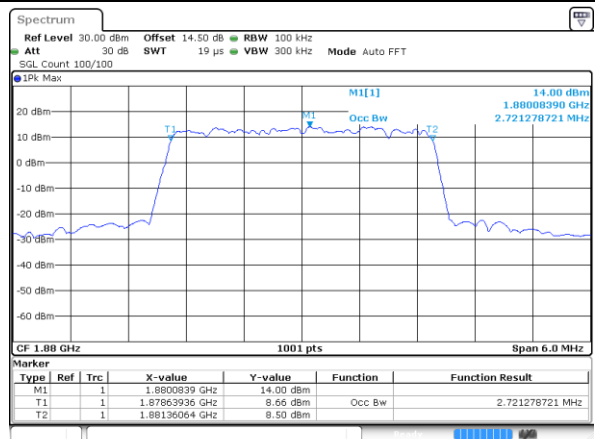
Date: 14 SEP 2018 11:30:36

Middle Channel / 3MHz / QPSK



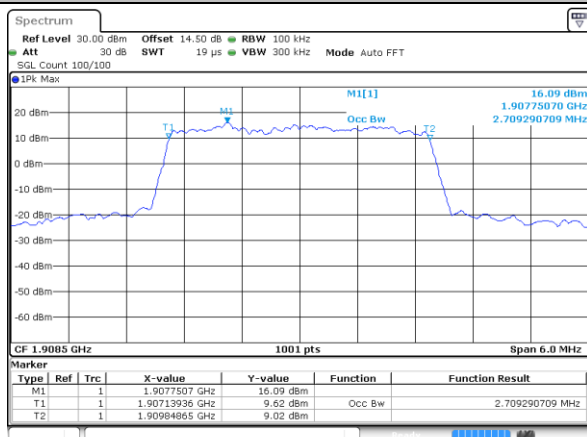
Date: 14 SEP 2018 11:37:24

Middle Channel / 3MHz / 16QAM



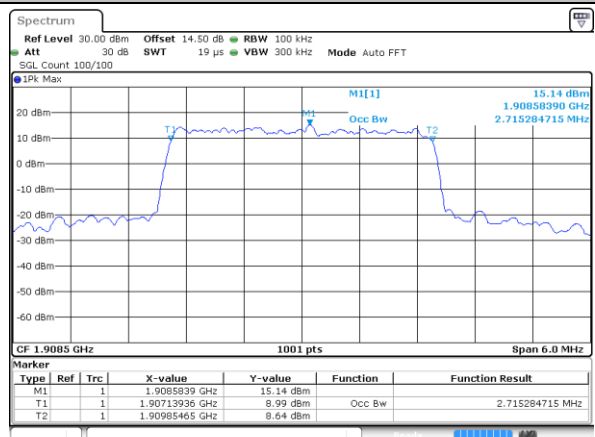
Date: 14 SEP 2018 11:37:33

Highest Channel / 3MHz / QPSK



Date: 14 SEP 2018 11:39:49

Highest Channel / 3MHz / 16QAM

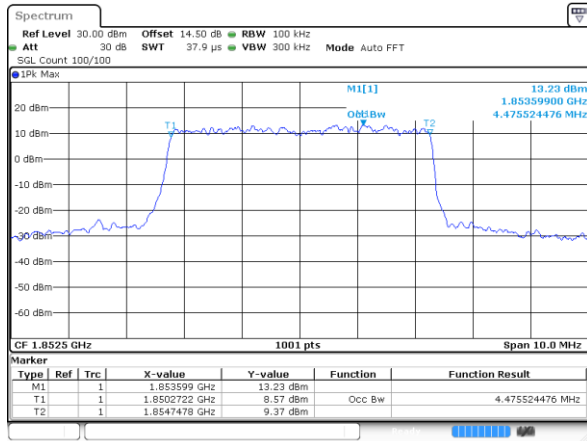


Date: 14 SEP 2018 11:39:59



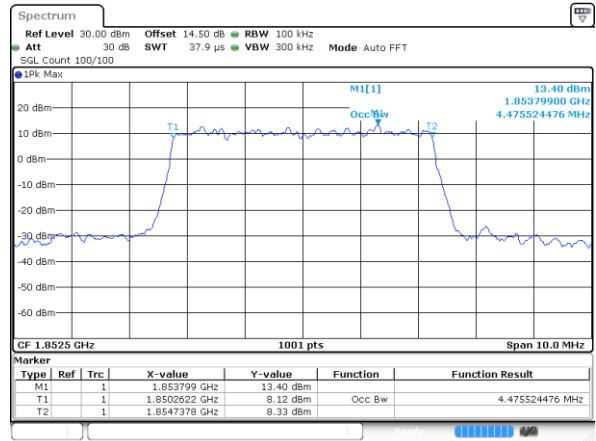
LTE Band 2

Lowest Channel / 5MHz / QPSK



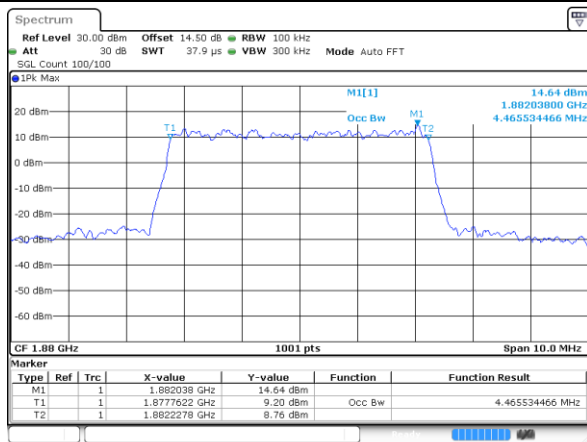
Date: 14 SEP 2018 11:46:47

Lowest Channel / 5MHz / 16QAM



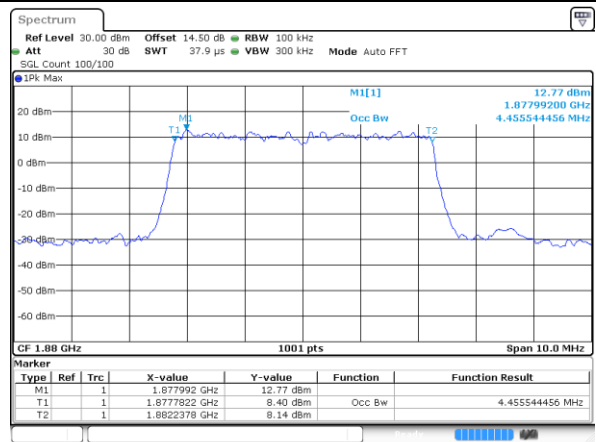
Date: 14 SEP 2018 11:46:57

Middle Channel / 5MHz / QPSK



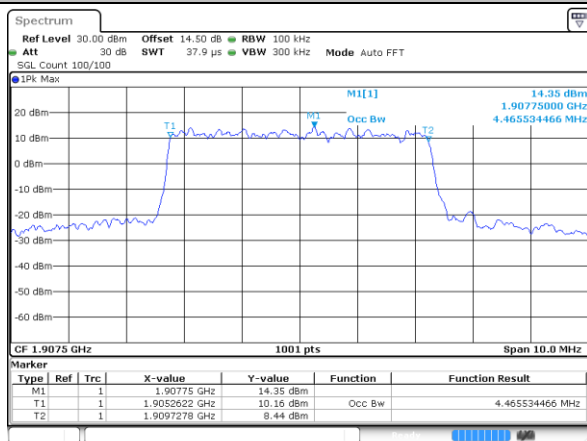
Date: 14 SEP 2018 11:53:45

Middle Channel / 5MHz / 16QAM



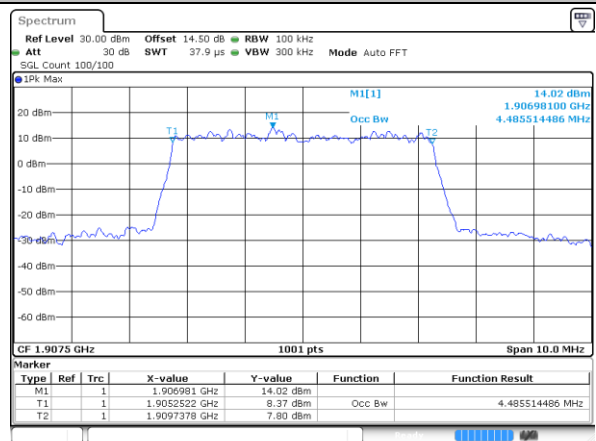
Date: 14 SEP 2018 11:53:55

Highest Channel / 5MHz / QPSK



Date: 14 SEP 2018 11:56:11

Highest Channel / 5MHz / 16QAM

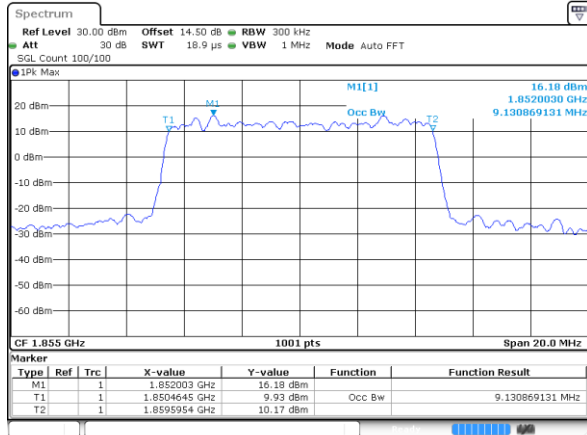


Date: 14 SEP 2018 11:56:20



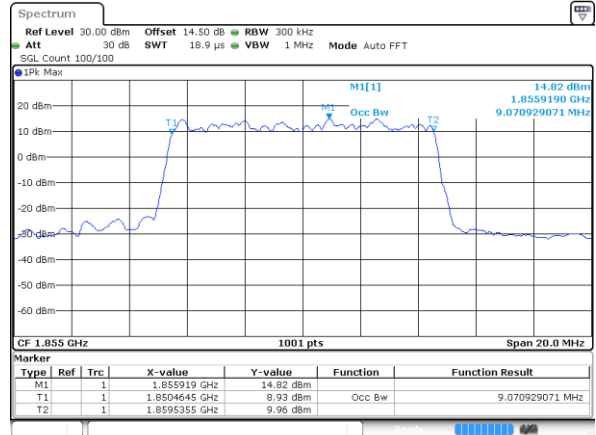
LTE Band 2

Lowest Channel / 10MHz / QPSK



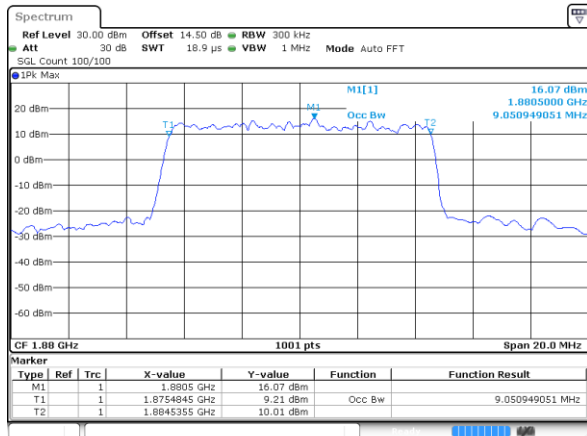
Date: 14 SEP 2018 12:03:08

Lowest Channel / 10MHz / 16QAM



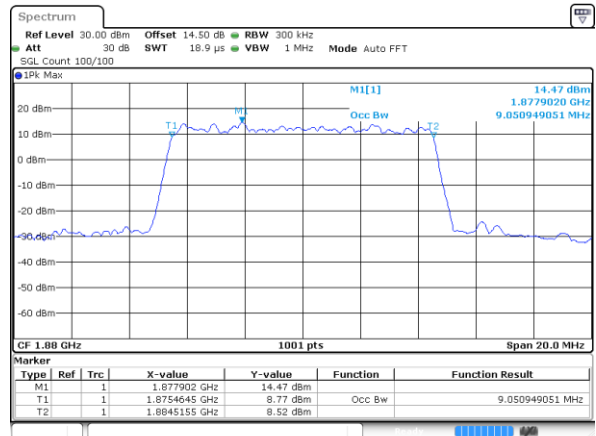
Date: 14 SEP 2018 12:03:18

Middle Channel / 10MHz / QPSK



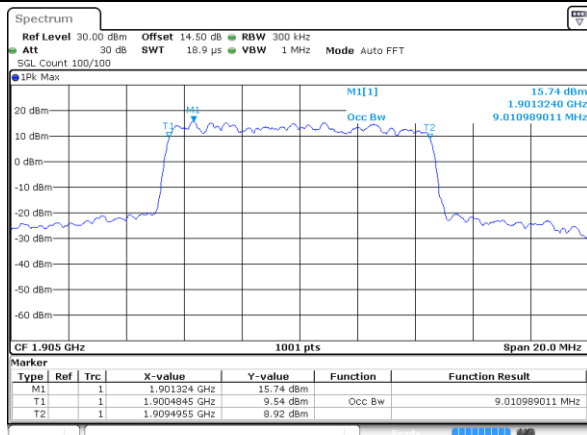
Date: 14 SEP 2018 12:10:08

Middle Channel / 10MHz / 16QAM



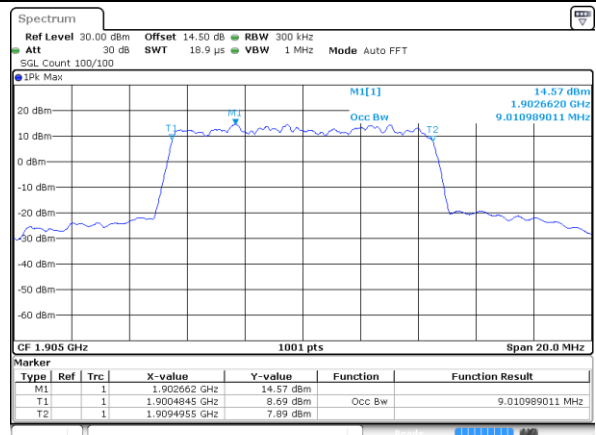
Date: 14 SEP 2018 12:10:16

Highest Channel / 10MHz / QPSK



Date: 14 SEP 2018 12:12:32

Highest Channel / 10MHz / 16QAM

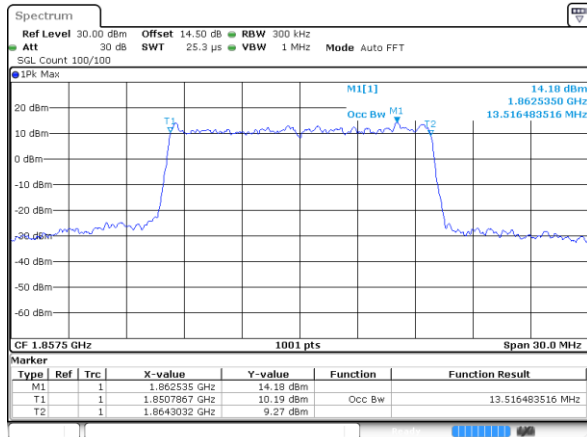


Date: 14 SEP 2018 12:12:42



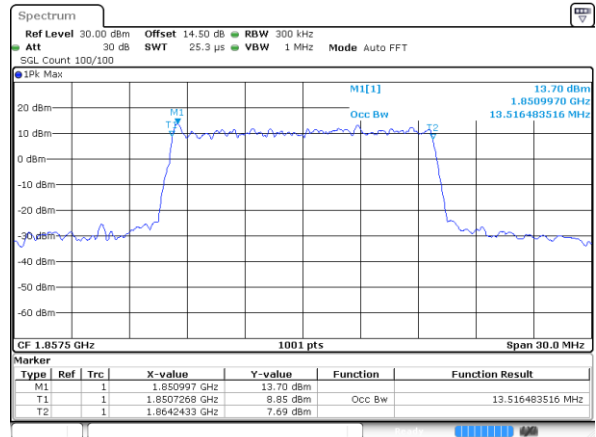
LTE Band 2

Lowest Channel / 15MHz / QPSK



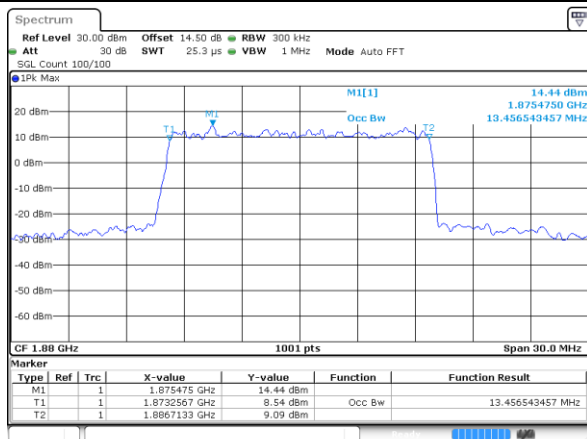
Date: 14 SEP 2018 12:19:29

Lowest Channel / 15MHz / 16QAM



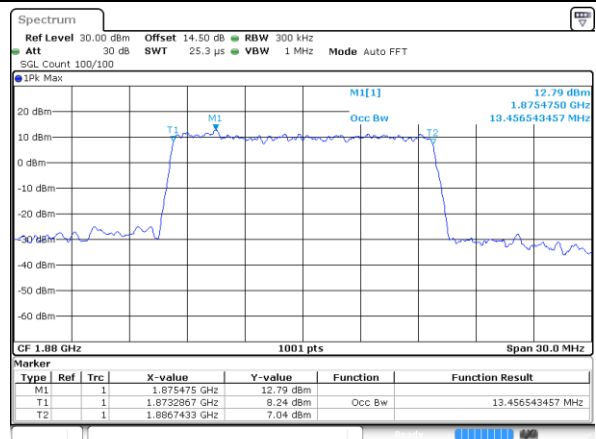
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Middle Channel / 15MHz / QPSK



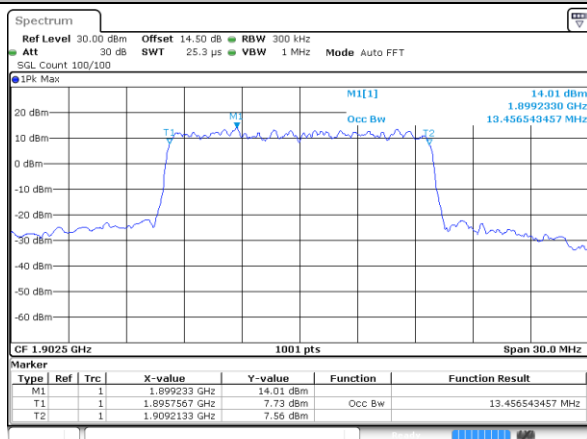
Date: 14 SEP 2018 12:26:27

Middle Channel / 15MHz / 16QAM



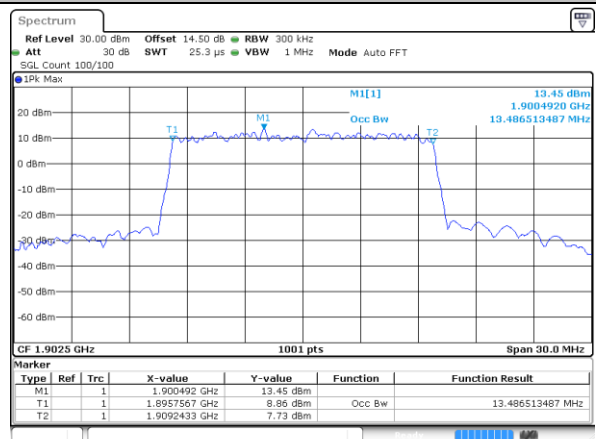
Date: 14 SEP 2018 12:26:37

Highest Channel / 15MHz / QPSK



Date: 14 SEP 2018 12:28:53

Highest Channel / 15MHz / 16QAM

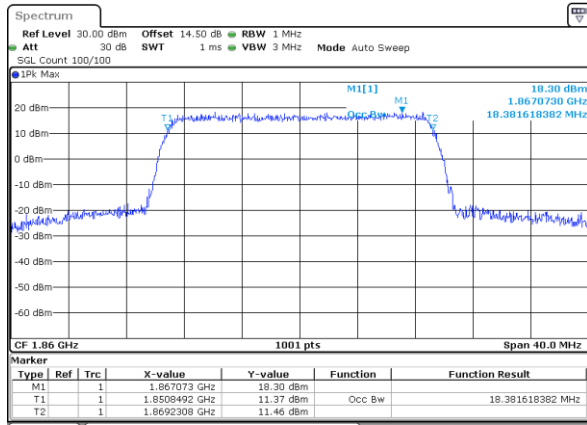


Date: 14 SEP 2018 12:29:03



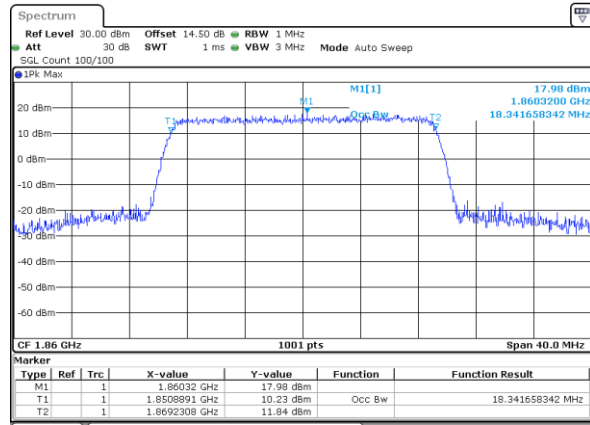
LTE Band 2

Lowest Channel / 20MHz / QPSK



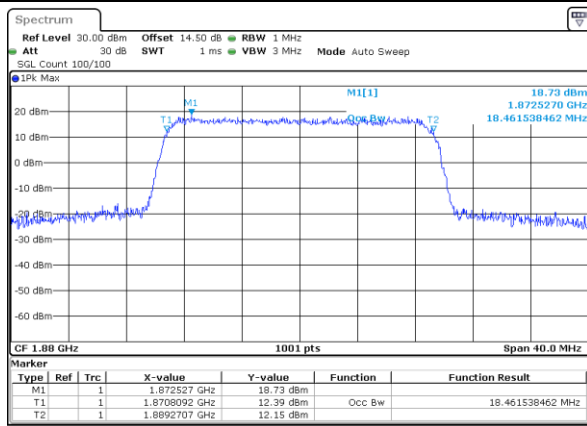
Date: 14 SEP 2018 12:35:51

Lowest Channel / 20MHz / 16QAM



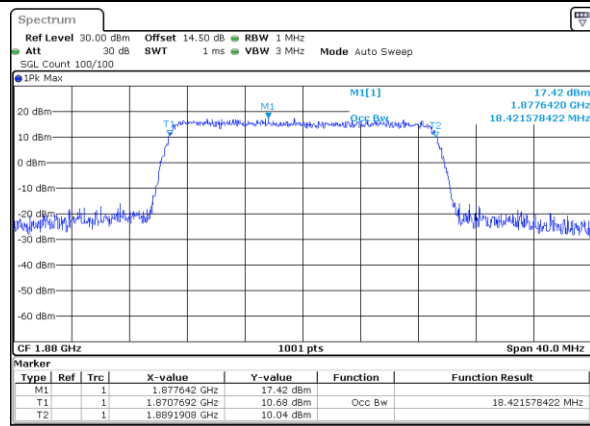
Date: 14 SEP 2018 12:36:01

Middle Channel / 20MHz / QPSK



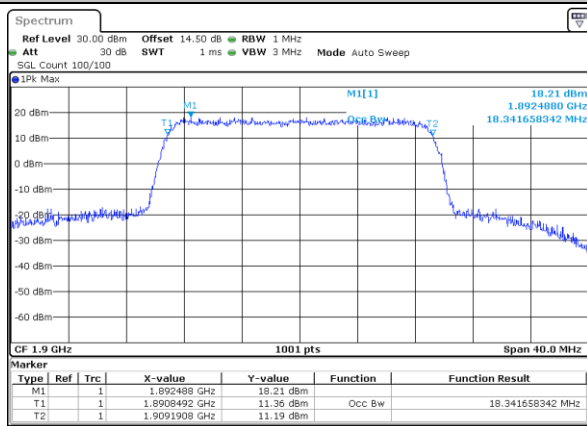
Date: 14 SEP 2018 12:42:48

Middle Channel / 20MHz / 16QAM



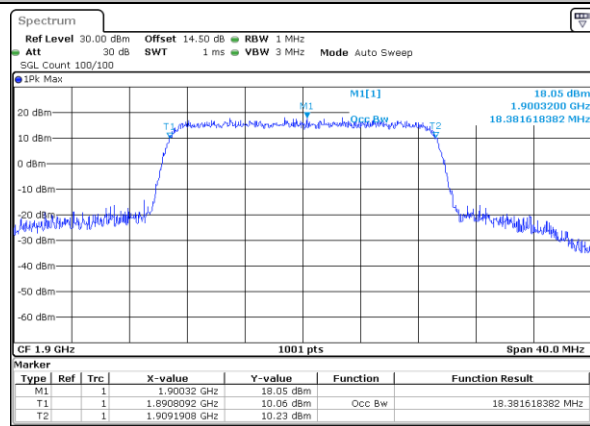
Date: 14 SEP 2018 12:42:58

Highest Channel / 20MHz / QPSK



Date: 14 SEP 2018 12:45:14

Highest Channel / 20MHz / 16QAM



Date: 14 SEP 2018 12:45:24