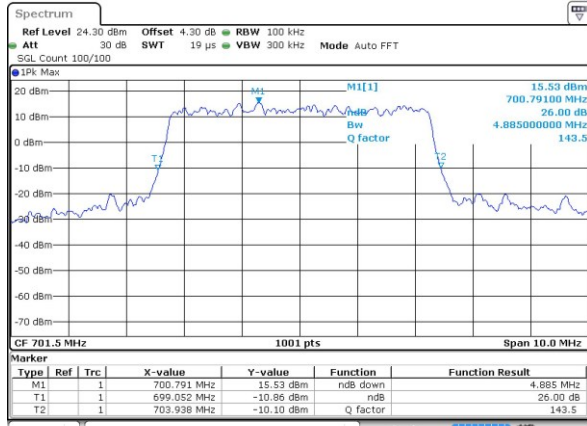


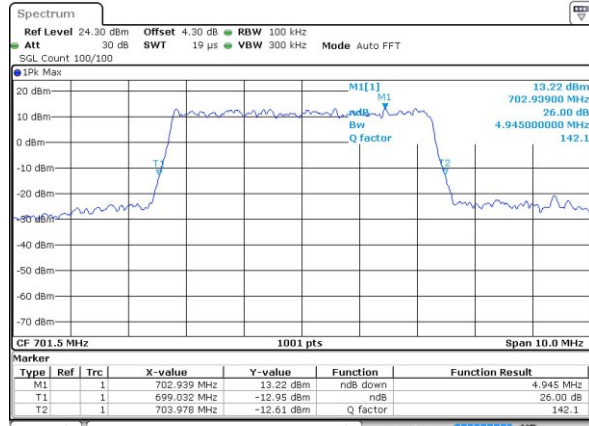


LTE Band 12

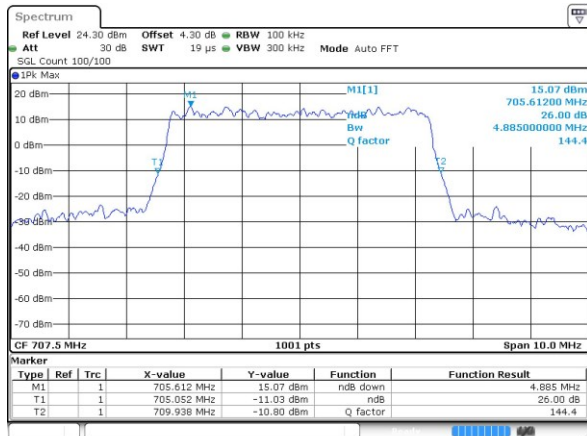
Lowest Channel / 5MHz / QPSK



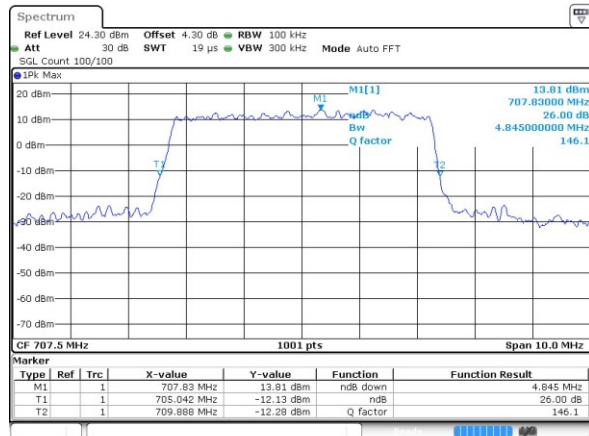
Lowest Channel / 5MHz / 16QAM



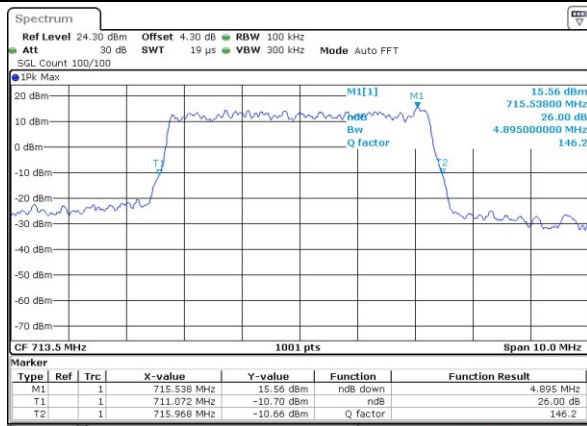
Middle Channel / 5MHz / QPSK



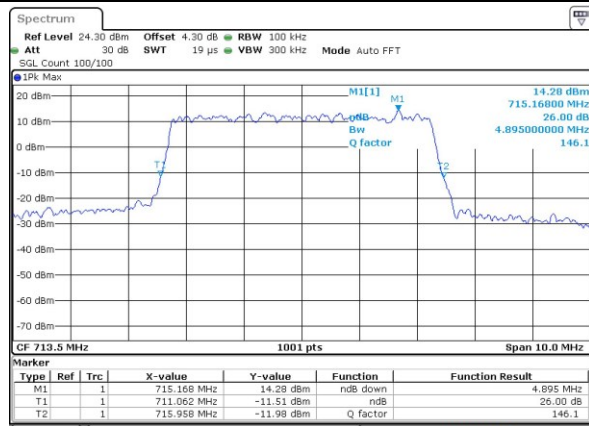
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



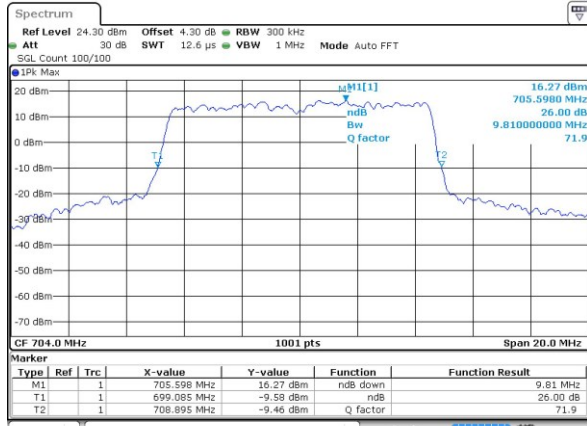
Highest Channel / 5MHz / 16QAM



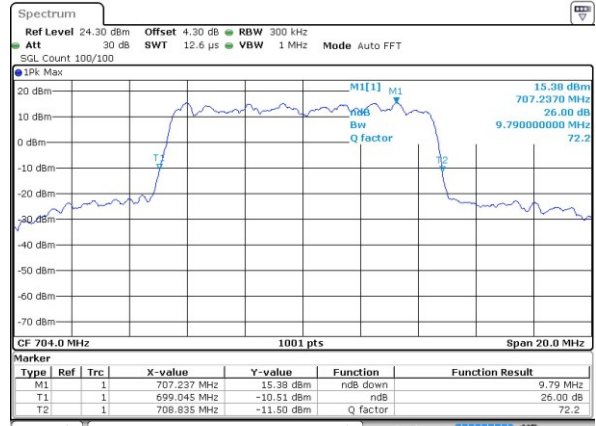


LTE Band 12

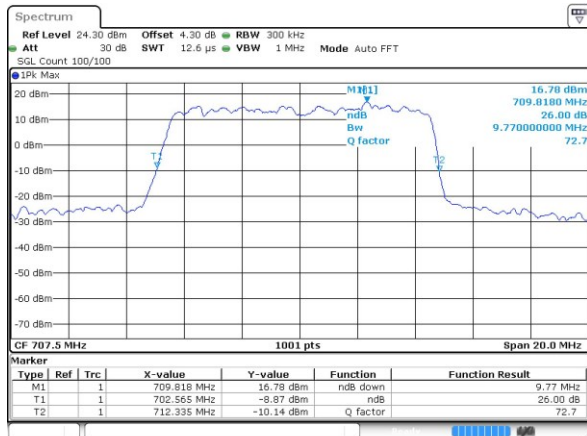
Lowest Channel / 10MHz / QPSK



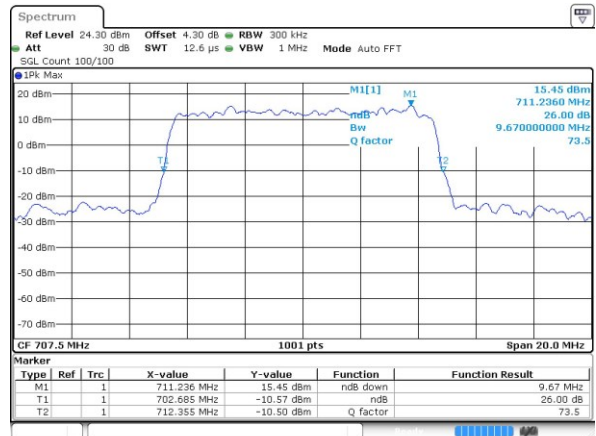
Lowest Channel / 10MHz / 16QAM



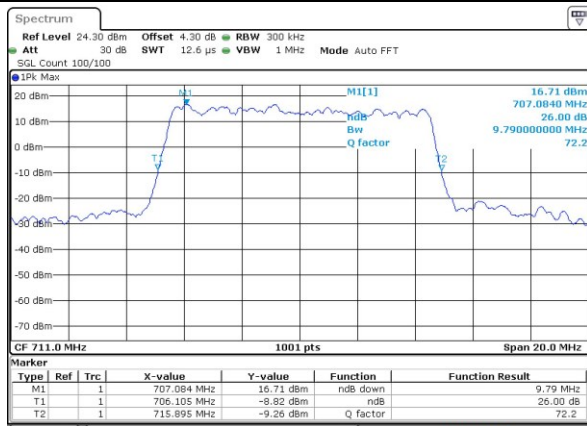
Middle Channel / 10MHz / QPSK



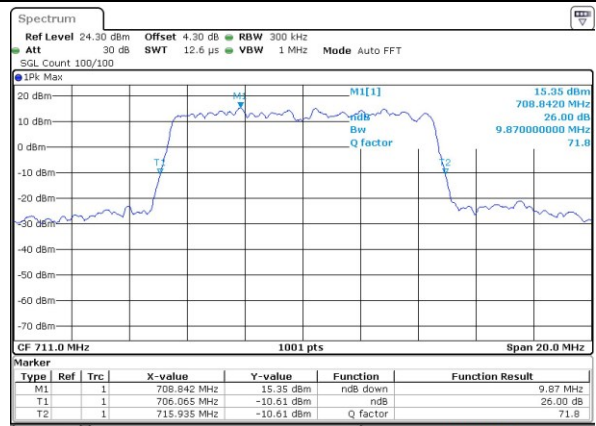
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



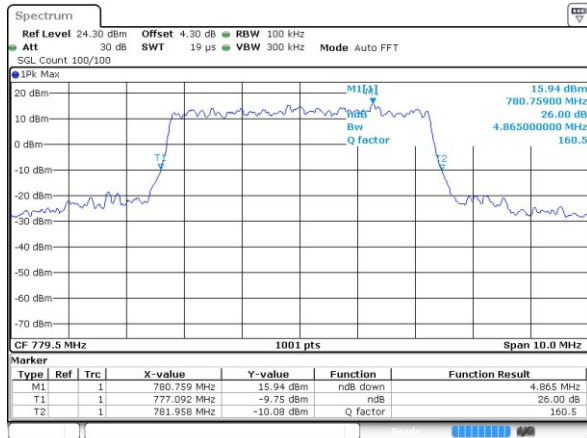
Highest Channel / 10MHz / 16QAM





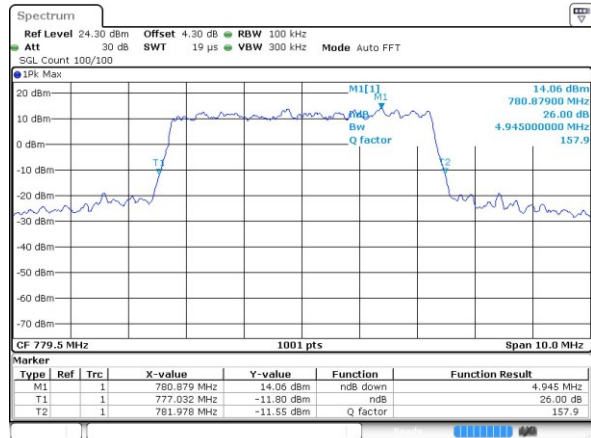
LTE Band 13

Lowest Channel / 5MHz / QPSK



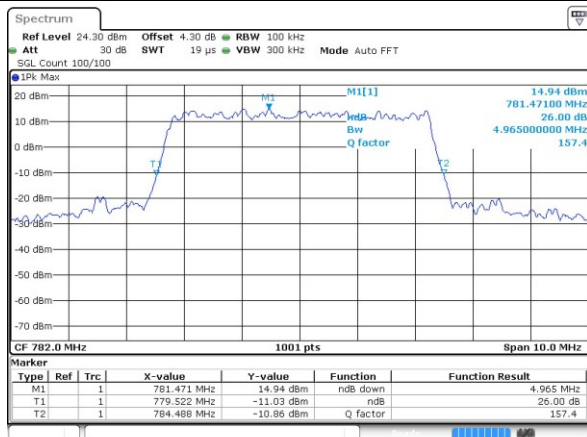
Date: 12 MAR 2019 19:46:37

Lowest Channel / 5MHz / 16QAM



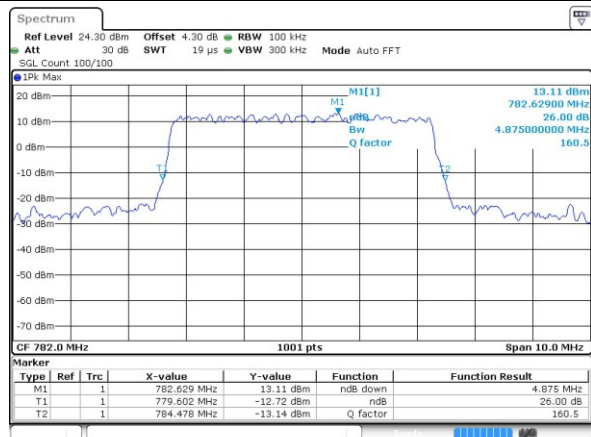
Date: 12 MAR 2019 19:47:44

Middle Channel / 5MHz / QPSK



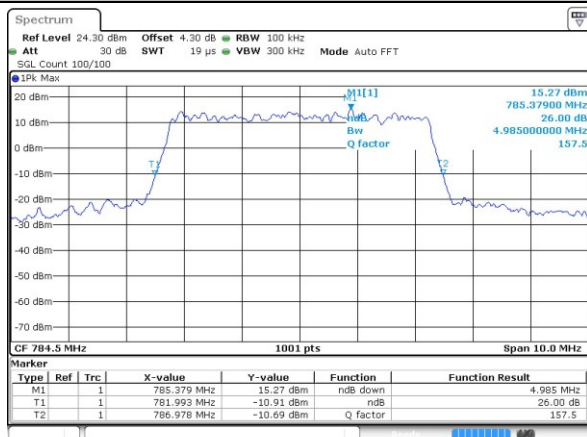
Date: 12 MAR 2019 19:49:28

Middle Channel / 5MHz / 16QAM



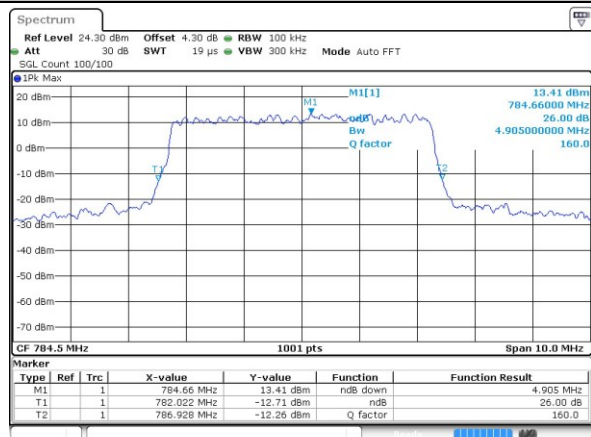
Date: 12 MAR 2019 19:49:57

Highest Channel / 5MHz / QPSK



Date: 12 MAR 2019 19:51:14

Highest Channel / 5MHz / 16QAM

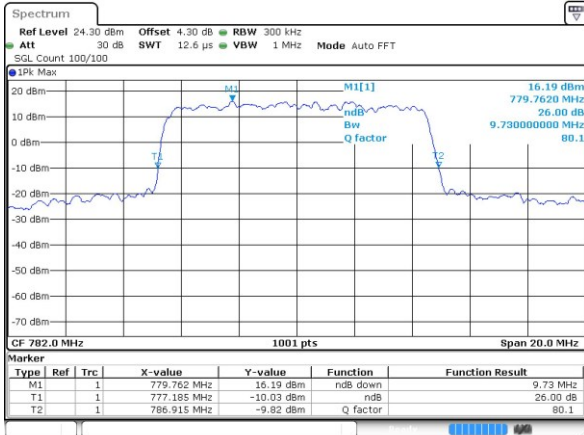


Date: 12 MAR 2019 19:51:45



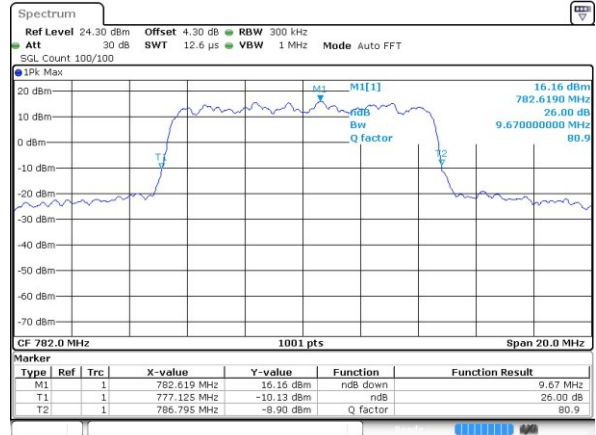
LTE Band 13

Middle Channel / 10MHz / QPSK



Date: 13 MAR 2019 15:53:18

Middle Channel / 10MHz / 16QAM



Date: 13 MAR 2019 15:53:48

**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	2.71	2.72	4.48	4.47	9.01	8.97	13.52	13.40	18.34	18.26
Middle CH	1.09	1.09	2.72	2.71	4.50	4.52	9.03	8.99	13.40	13.40	18.14	18.30
Highest CH	1.10	1.10	2.72	2.73	4.49	4.50	9.01	8.97	13.43	13.43	18.14	18.38

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	2.72	4.47	4.50	8.97	8.99	13.43	13.40	18.22	18.34
Middle CH	1.09	1.10	2.72	2.73	4.51	4.49	9.03	9.07	13.37	13.55	18.30	18.46
Highest CH	1.09	1.09	2.72	2.73	4.49	4.49	8.99	8.99	13.34	13.40	18.18	18.38

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	2.71	2.74	4.51	4.51	9.01	8.95				
Middle CH	1.10	1.09	2.72	2.73	4.50	4.47	9.01	8.97				
Highest CH	1.09	1.09	2.72	2.72	4.49	4.49	9.01	8.95				



Mode	LTE Band 7 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.51	4.50	9.03	8.97	13.43	13.46	18.38	18.30
Middle CH	-	-	-	-	4.50	4.51	9.01	8.97	13.37	13.49	18.34	18.26
Highest CH	-	-	-	-	4.49	4.49	9.03	9.03	13.43	13.34	18.34	18.22

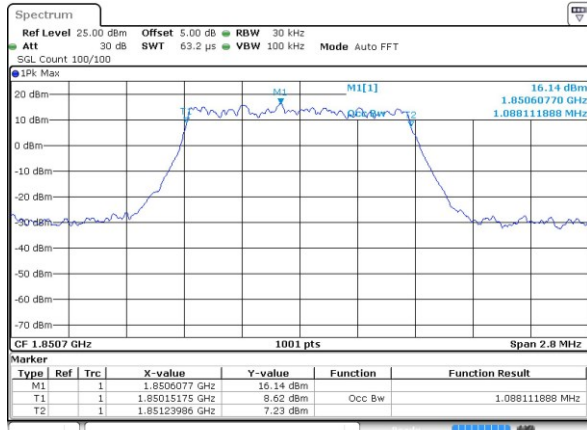
Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz					
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM				
Lowest CH	1.10	1.09	2.72	2.71	4.48	4.47	9.03	8.95				
Middle CH	1.09	1.09	2.71	2.72	4.48	4.49	8.95	8.99				
Highest CH	1.09	1.09	2.70	2.72	4.48	4.49	9.05	8.99				

Mode	LTE Band 13 : 99%OBW(MHz)											
BW	5MHz		10MHz									
Mod.	QPSK	16QAM	QPSK	16QAM								
Lowest CH	4.49	4.49										
Middle CH	4.50	4.49	8.97	8.97								
Highest CH	4.51	4.48										

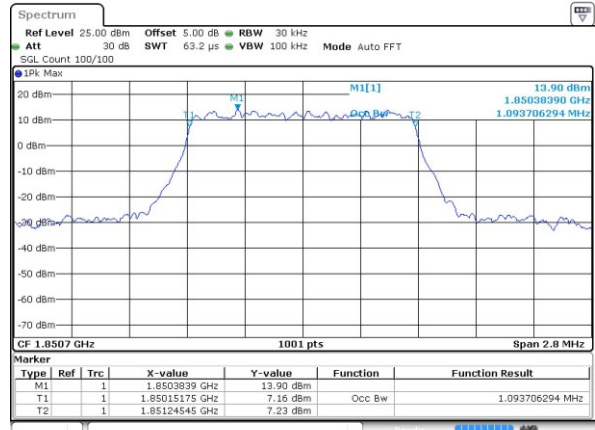


LTE Band 2

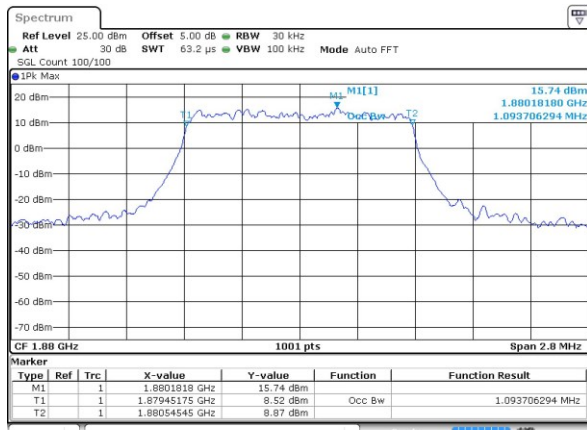
Lowest Channel / 1.4MHz / QPSK



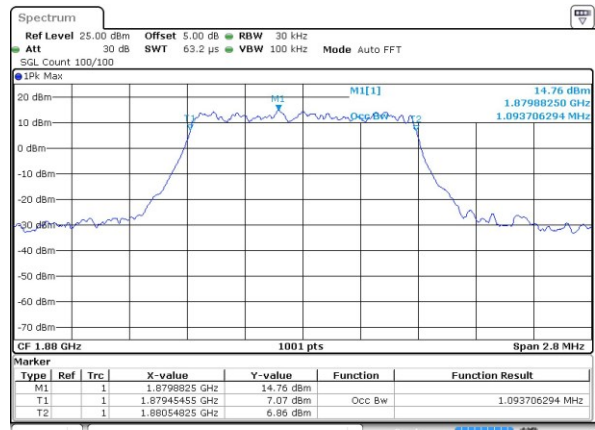
Lowest Channel / 1.4MHz / 16QAM



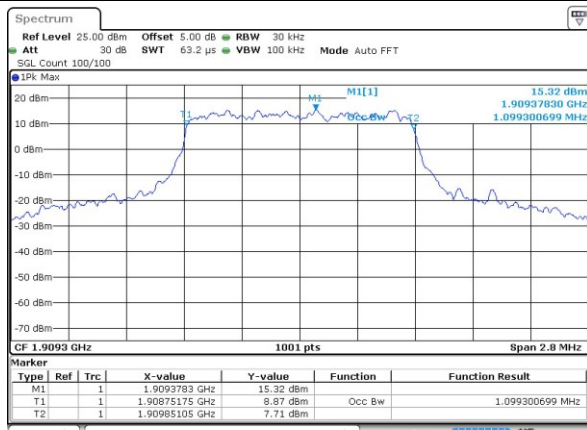
Middle Channel / 1.4MHz / QPSK



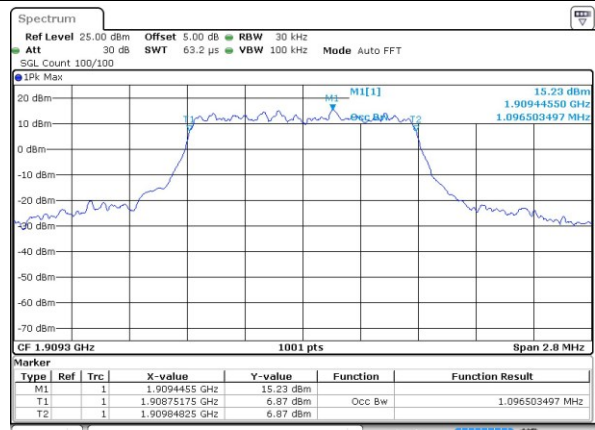
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



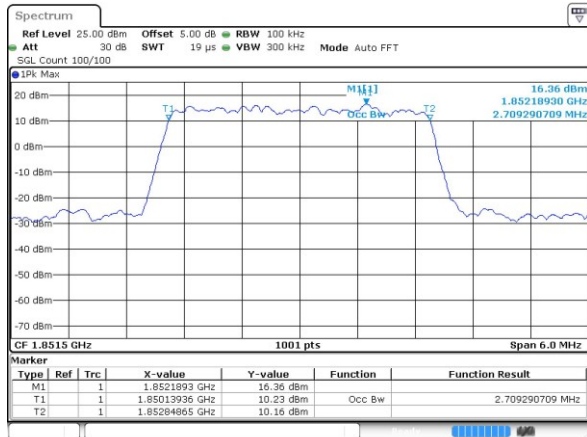
Highest Channel / 1.4MHz / 16QAM





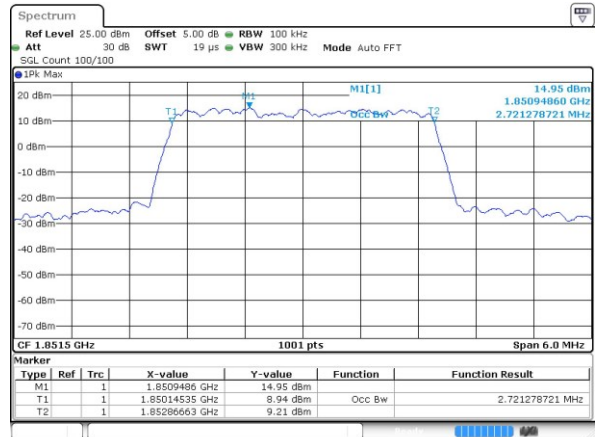
LTE Band 2

Lowest Channel / 3MHz / QPSK



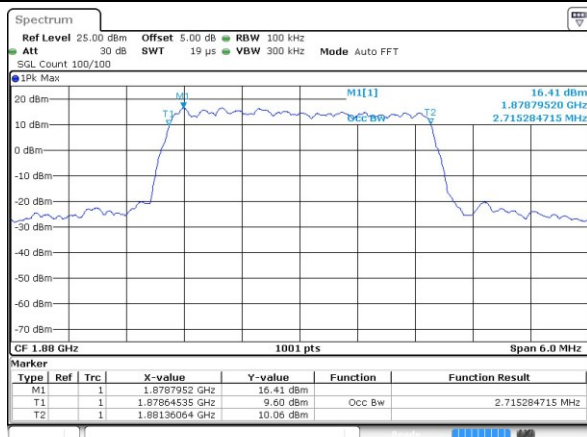
Date: 11 MAR 2019 19:22:42

Lowest Channel / 3MHz / 16QAM



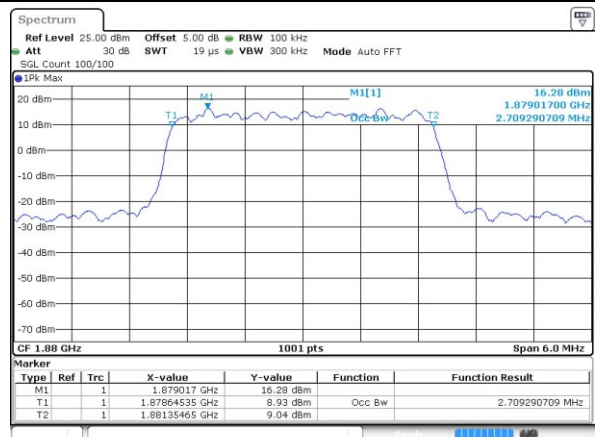
Date: 11 MAR 2019 19:23:08

Middle Channel / 3MHz / QPSK



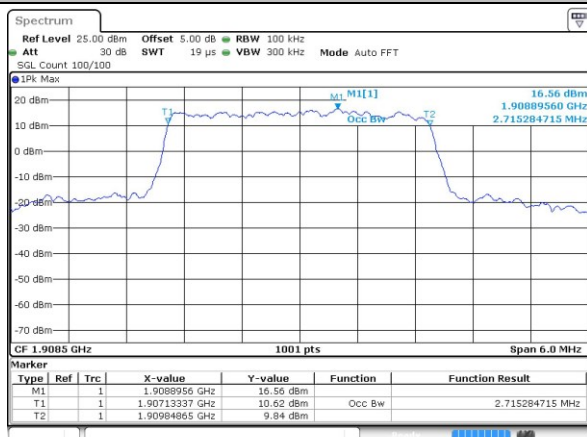
Date: 11 MAR 2019 19:24:21

Middle Channel / 3MHz / 16QAM



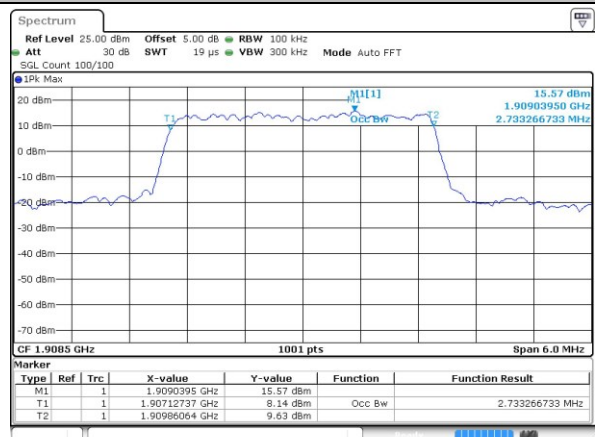
Date: 11 MAR 2019 19:24:52

Highest Channel / 3MHz / QPSK



Date: 11 MAR 2019 19:25:49

Highest Channel / 3MHz / 16QAM

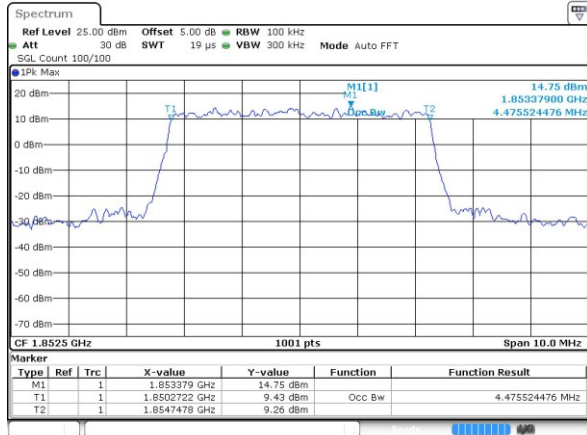


Date: 11 MAR 2019 19:26:17



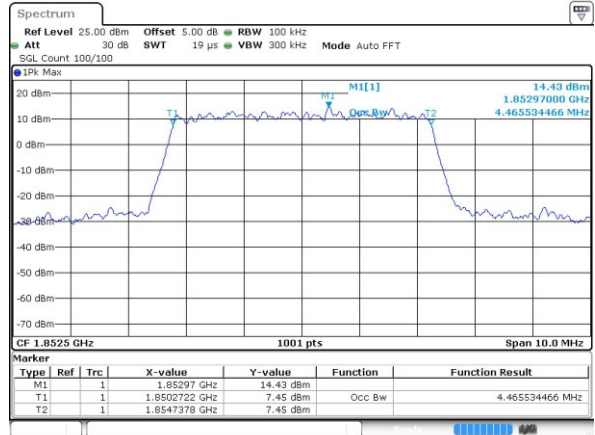
LTE Band 2

Lowest Channel / 5MHz / QPSK



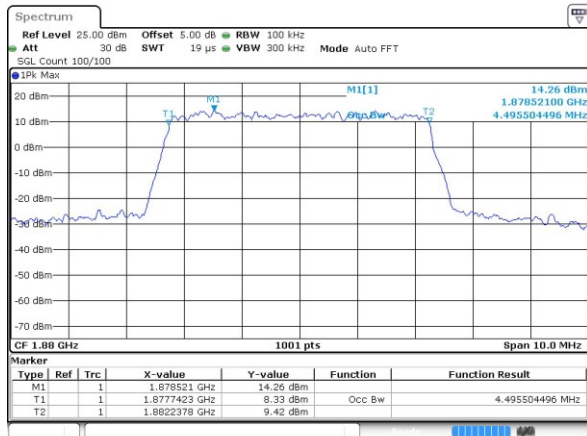
Date: 11 MAR 2019 19:46:32

Lowest Channel / 5MHz / 16QAM



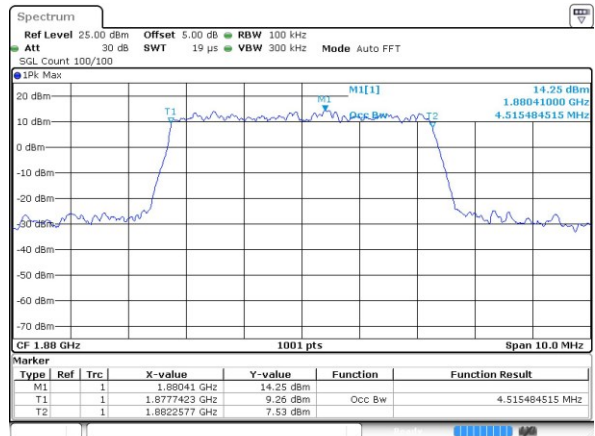
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Middle Channel / 5MHz / QPSK



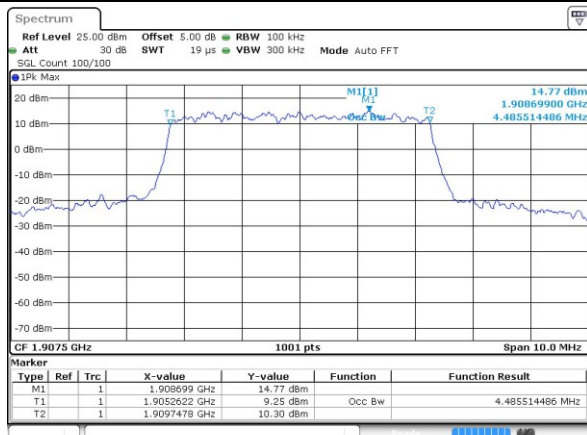
Date: 11 MAR 2019 19:50:35

Middle Channel / 5MHz / 16QAM



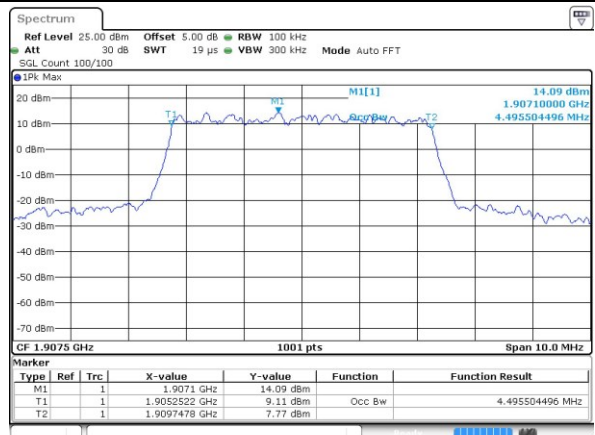
Date: 11 MAR 2019 19:51:05

Highest Channel / 5MHz / QPSK



Date: 11 MAR 2019 19:52:03

Highest Channel / 5MHz / 16QAM

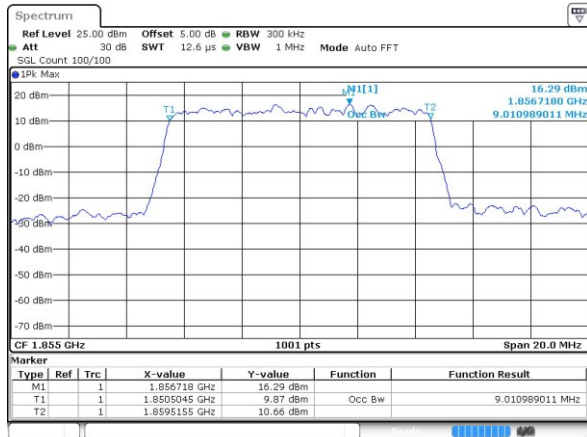


Date: 11 MAR 2019 19:52:29



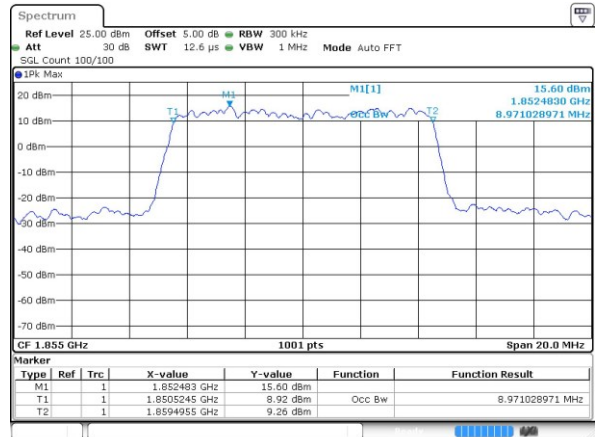
LTE Band 2

Lowest Channel / 10MHz / QPSK



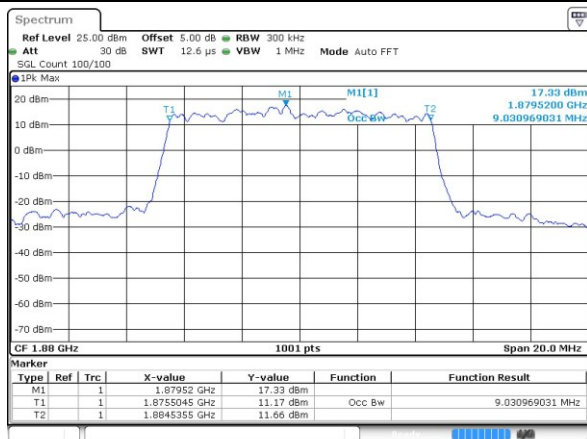
Date: 11 MAR 2019 20:07:54

Lowest Channel / 10MHz / 16QAM



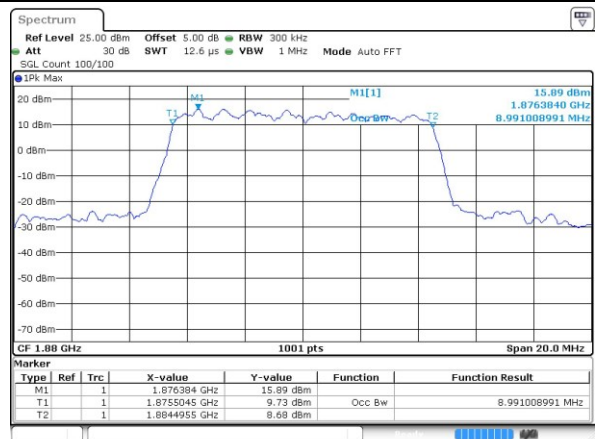
Date: 11 MAR 2019 20:08:21

Middle Channel / 10MHz / QPSK



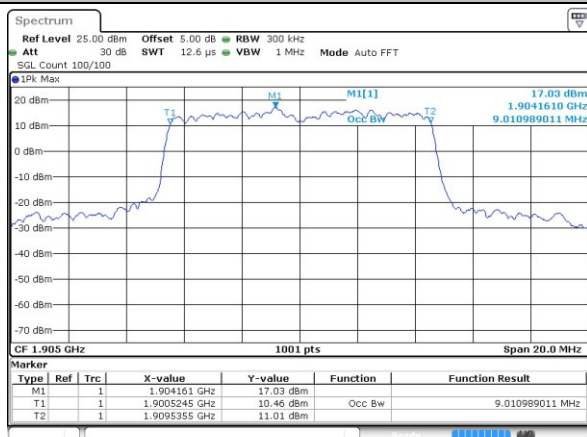
Date: 11 MAR 2019 20:09:32

Middle Channel / 10MHz / 16QAM



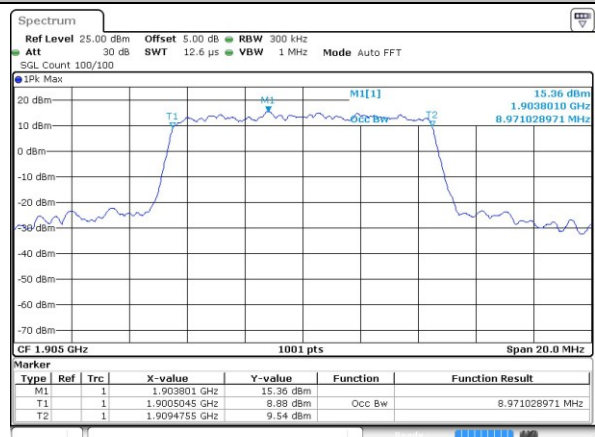
Date: 11 MAR 2019 20:10:11

Highest Channel / 10MHz / QPSK



Date: 11 MAR 2019 20:11:11

Highest Channel / 10MHz / 16QAM

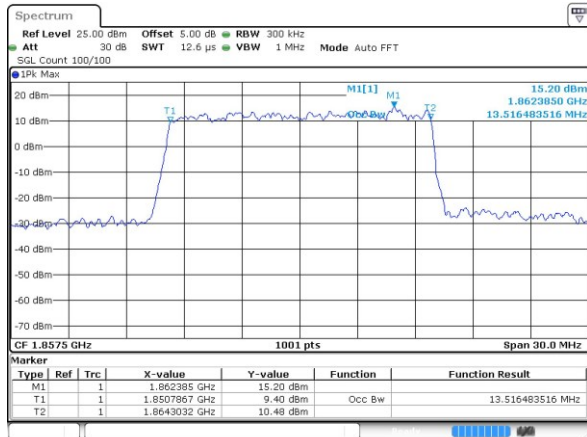


Date: 11 MAR 2019 20:11:39

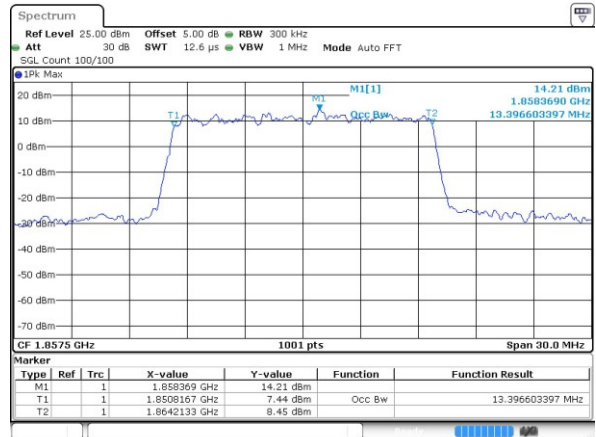


LTE Band 2

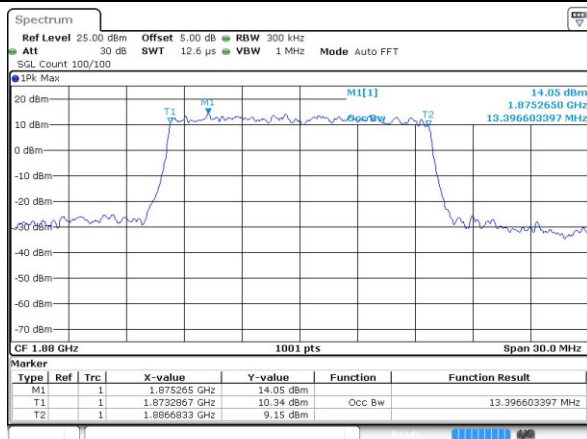
Lowest Channel / 15MHz / QPSK



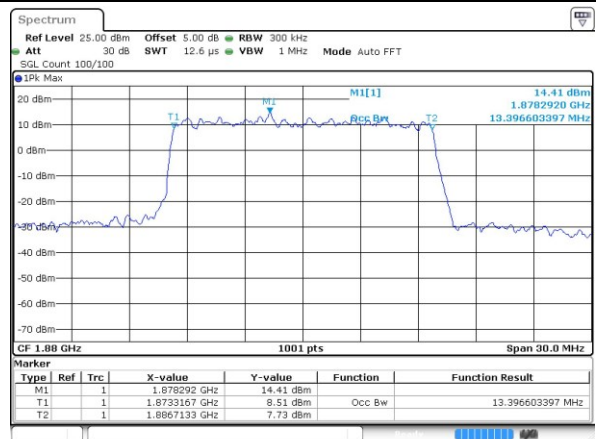
Lowest Channel / 15MHz / 16QAM



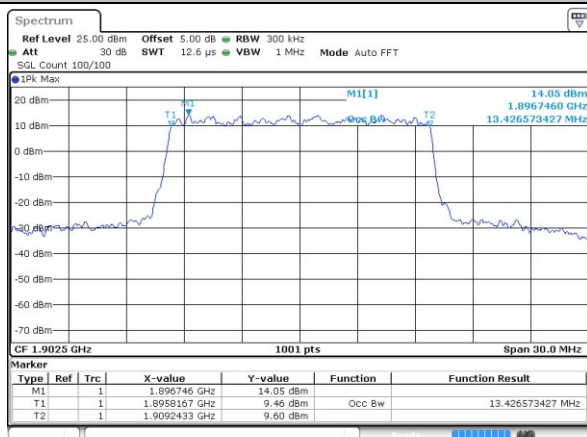
Middle Channel / 15MHz / QPSK



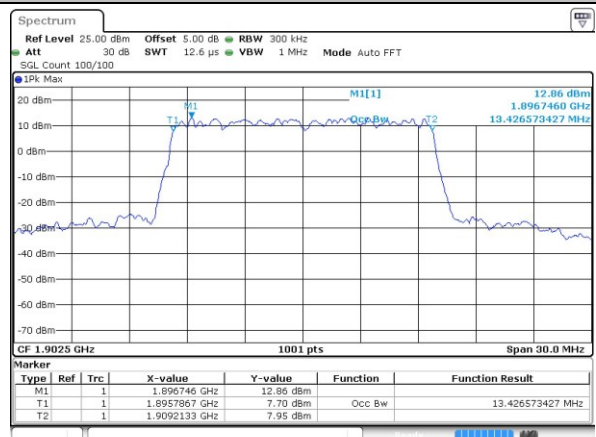
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



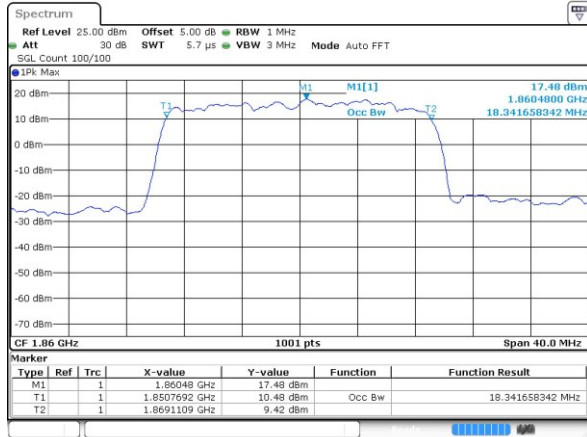
Highest Channel / 15MHz / 16QAM



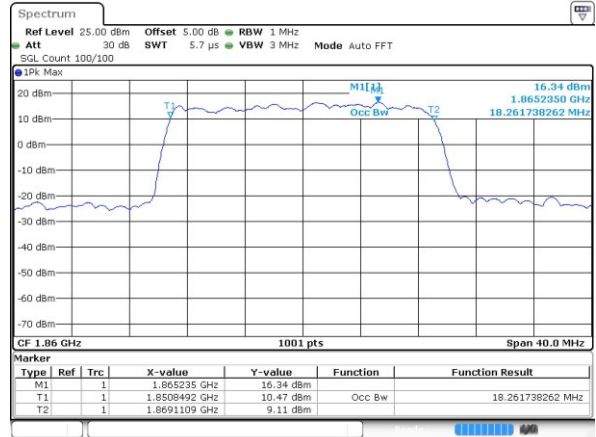


LTE Band 2

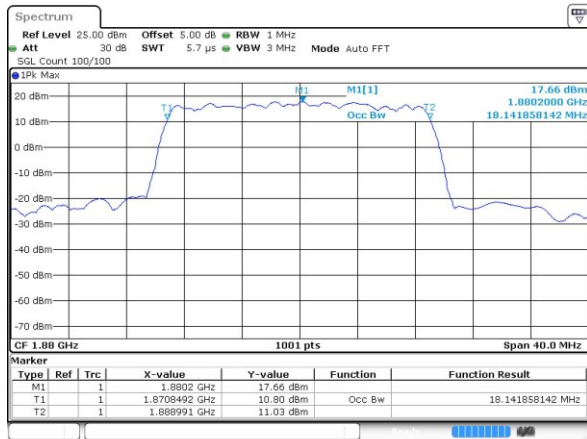
Lowest Channel / 20MHz / QPSK



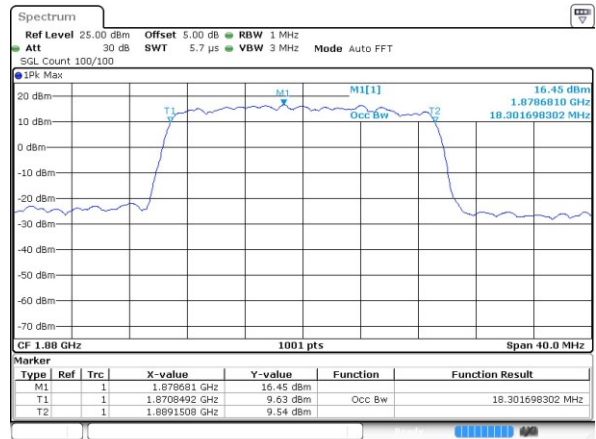
Lowest Channel / 20MHz / 16QAM



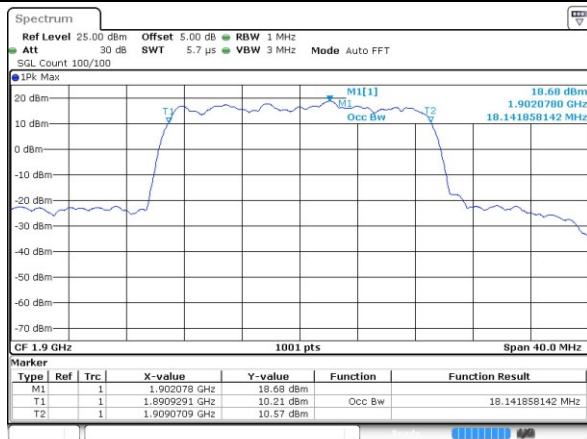
Middle Channel / 20MHz / QPSK



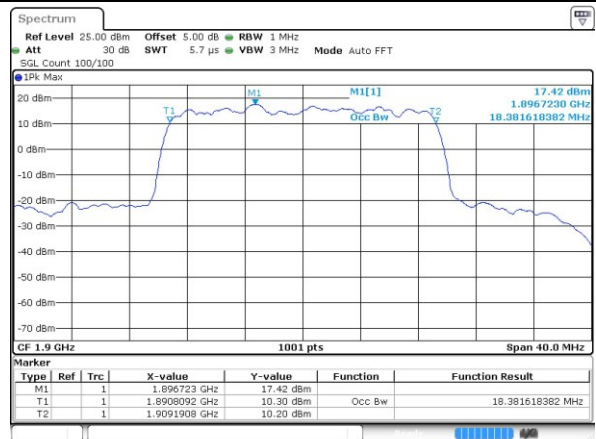
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



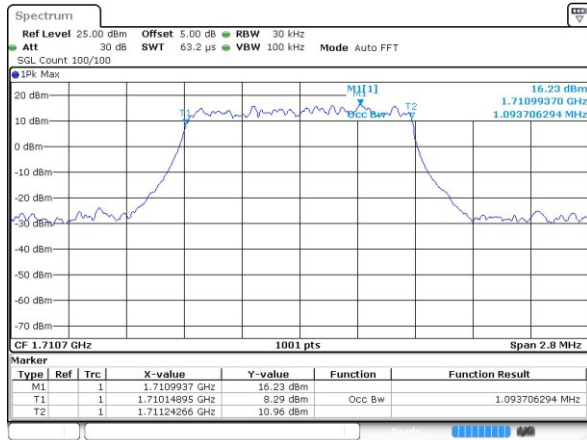
Highest Channel / 20MHz / 16QAM



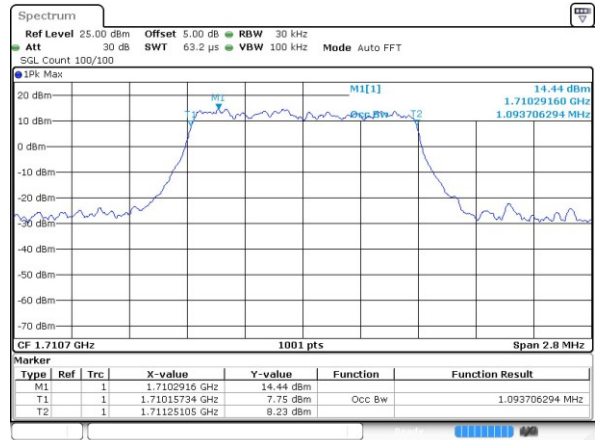


LTE Band 4

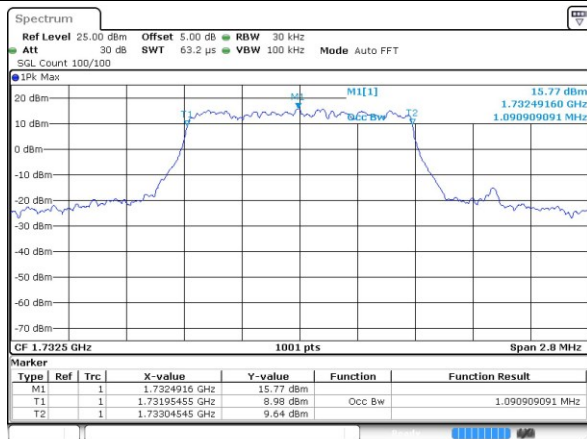
Lowest Channel / 1.4MHz / QPSK



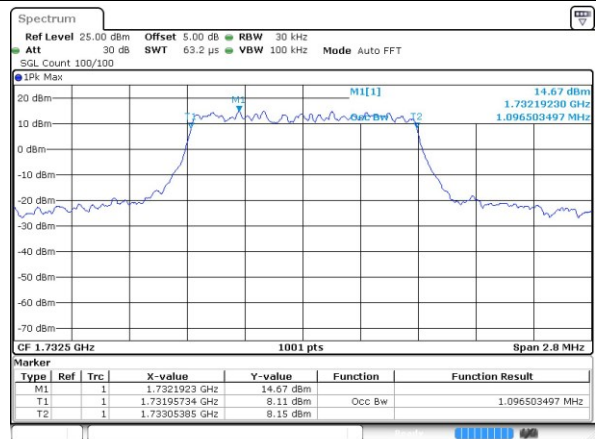
Lowest Channel / 1.4MHz / 16QAM



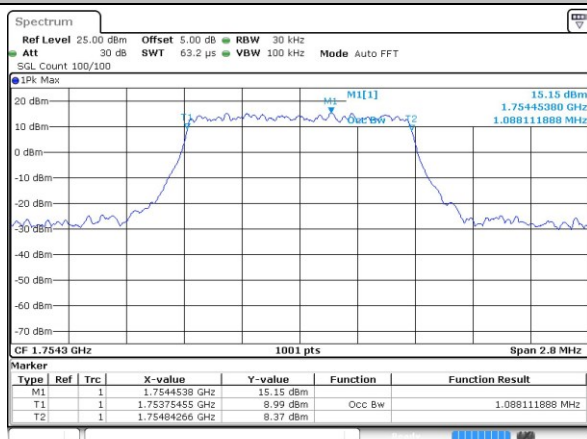
Middle Channel / 1.4MHz / QPSK



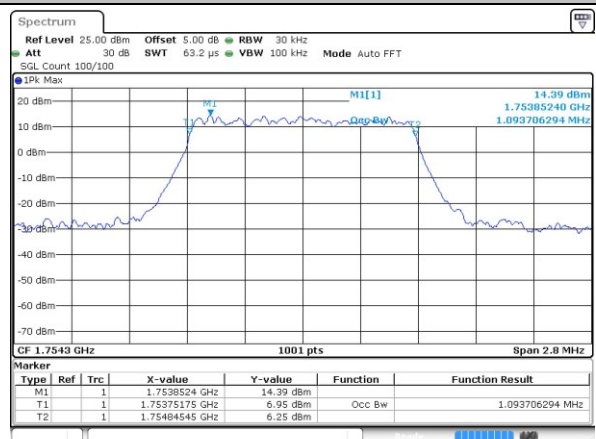
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



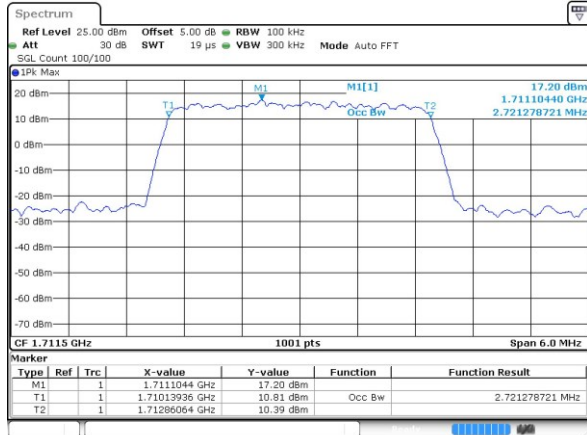
Highest Channel / 1.4MHz / 16QAM



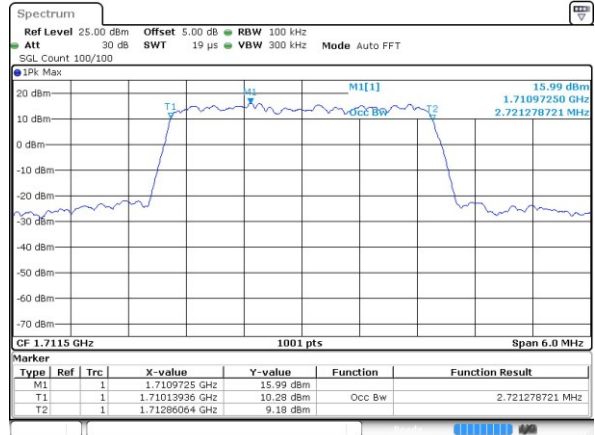


LTE Band 4

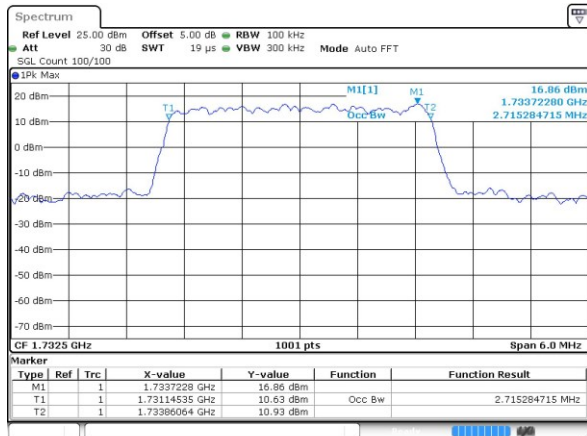
Lowest Channel / 3MHz / QPSK



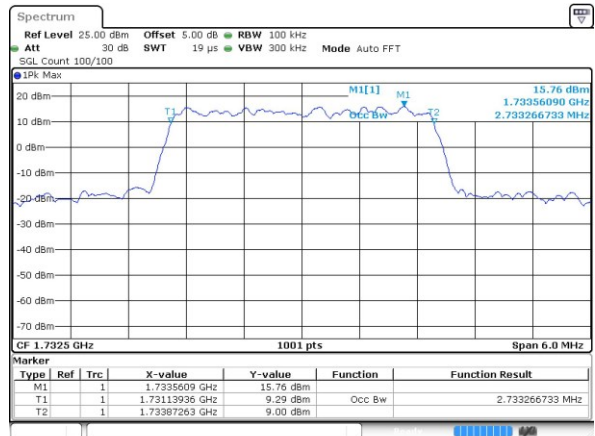
Lowest Channel / 3MHz / 16QAM



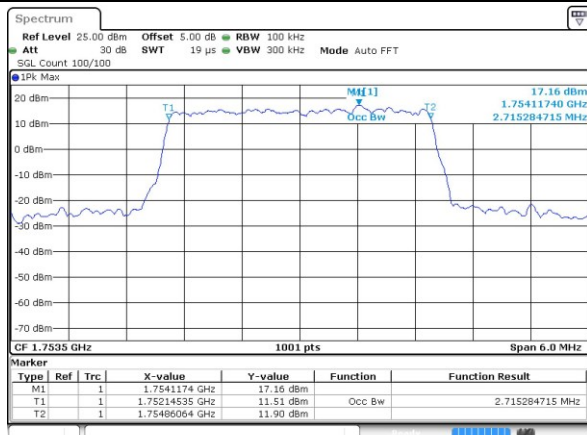
Middle Channel / 3MHz / QPSK



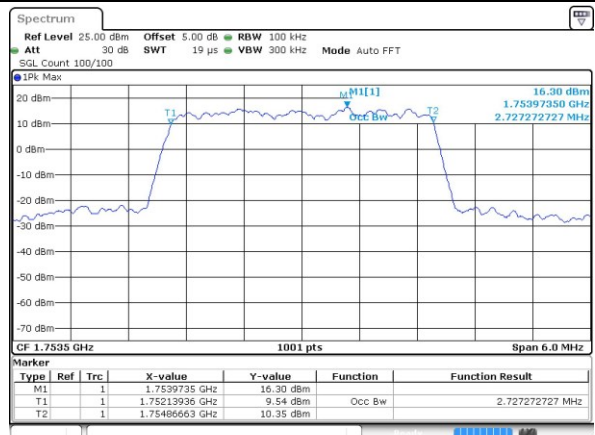
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



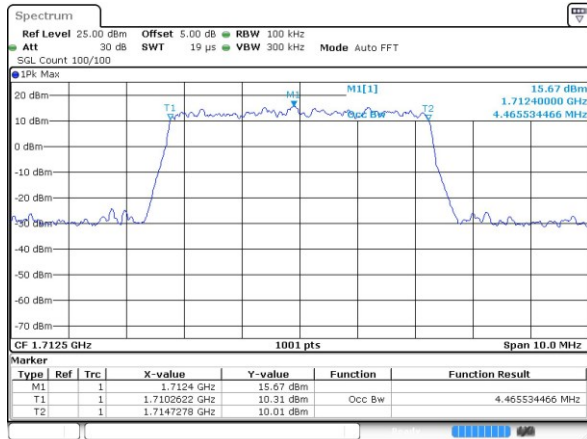
Highest Channel / 3MHz / 16QAM



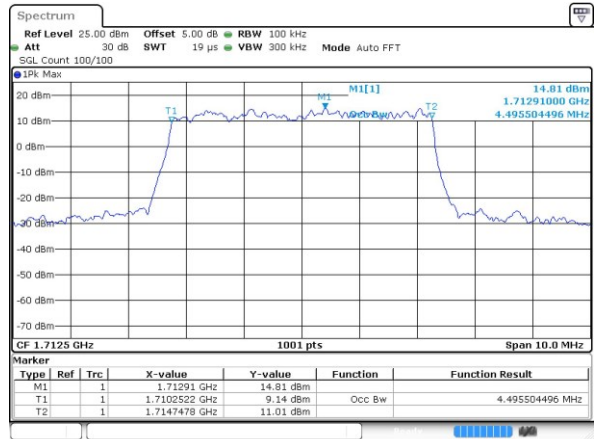


LTE Band 4

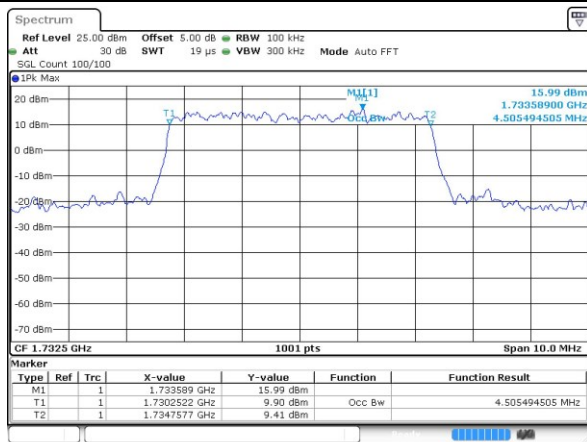
Lowest Channel / 5MHz / QPSK



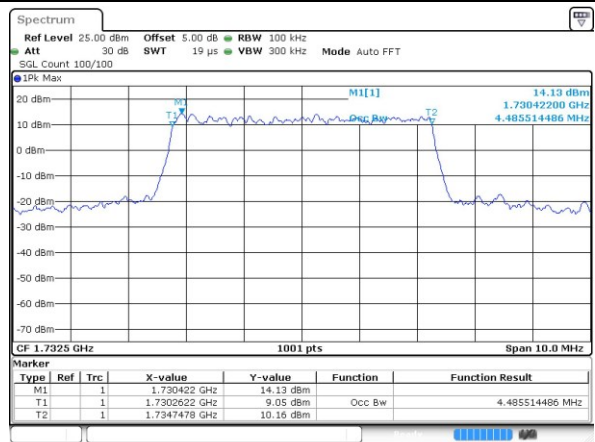
Lowest Channel / 5MHz / 16QAM



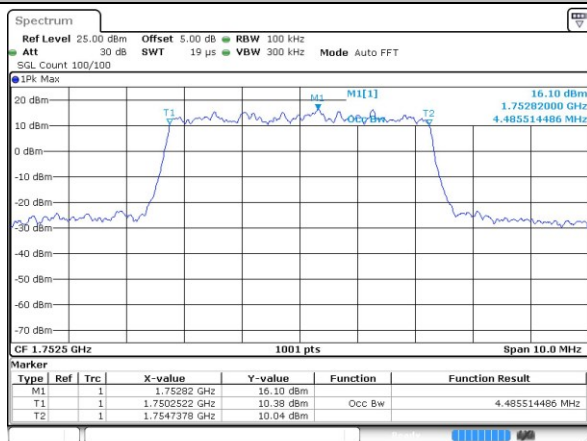
Middle Channel / 5MHz / QPSK



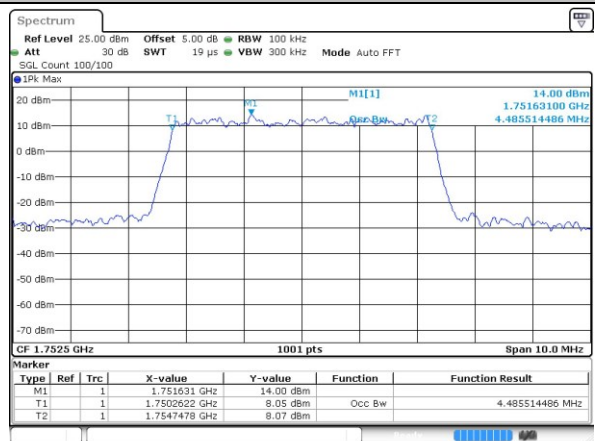
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



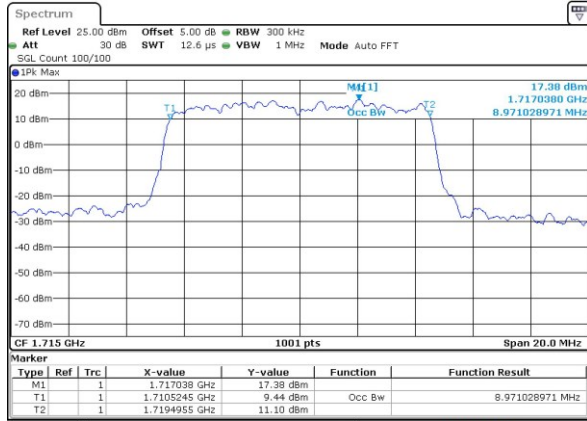
Highest Channel / 5MHz / 16QAM





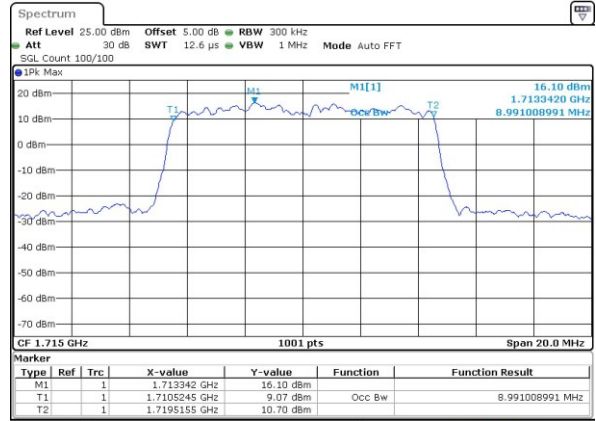
LTE Band 4

Lowest Channel / 10MHz / QPSK



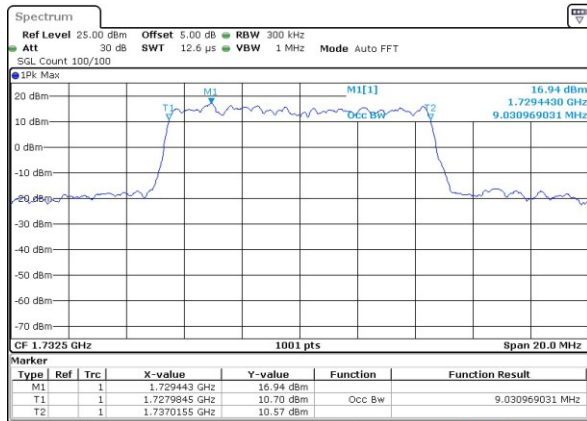
Date: 13 MAR 2019 18:15:40

Lowest Channel / 10MHz / 16QAM



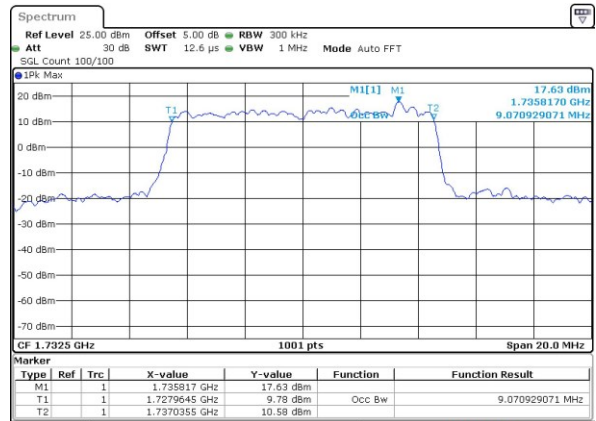
Date: 13 MAR 2019 18:16:13

Middle Channel / 10MHz / QPSK



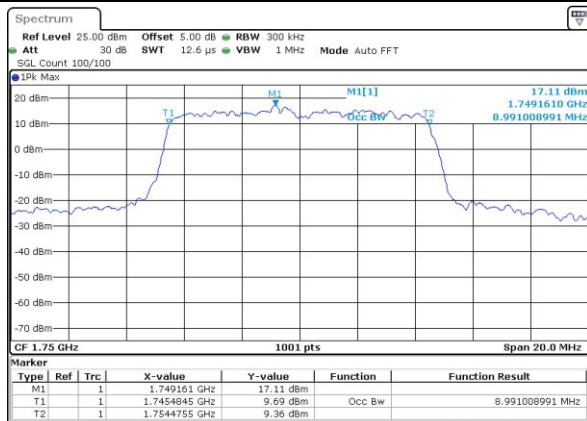
Date: 13 MAR 2019 18:20:16

Middle Channel / 10MHz / 16QAM



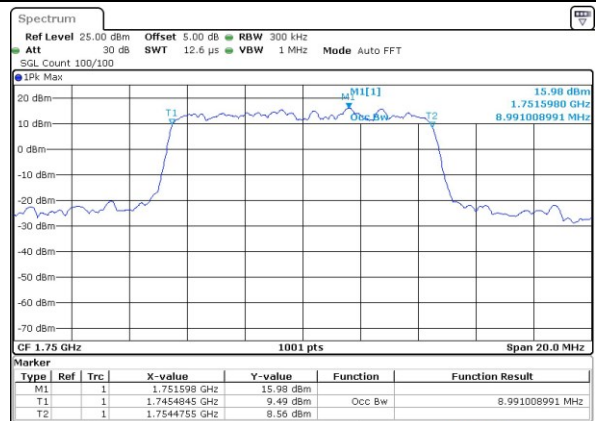
Date: 13 MAR 2019 18:21:01

Highest Channel / 10MHz / QPSK



Date: 13 MAR 2019 18:23:44

Highest Channel / 10MHz / 16QAM



Date: 13 MAR 2019 18:22:05