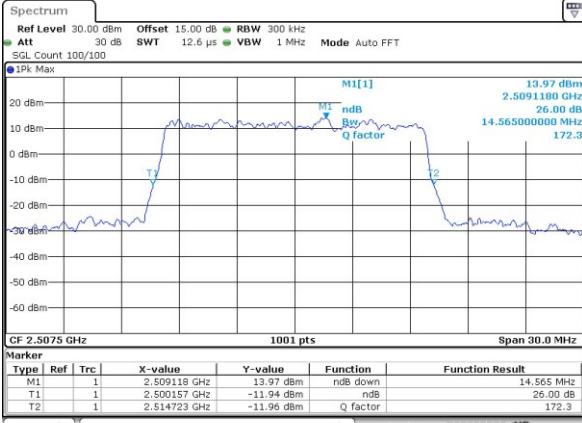


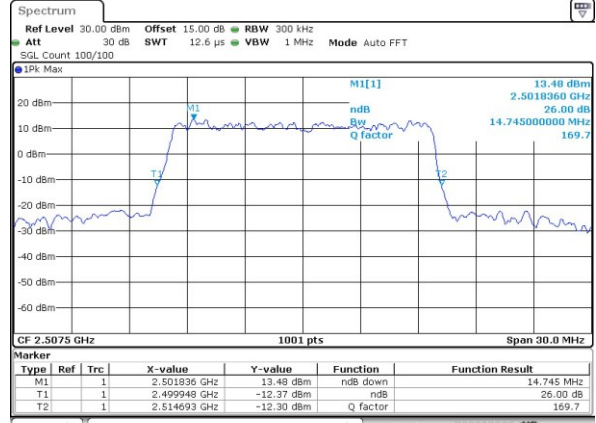


LTE Band 7

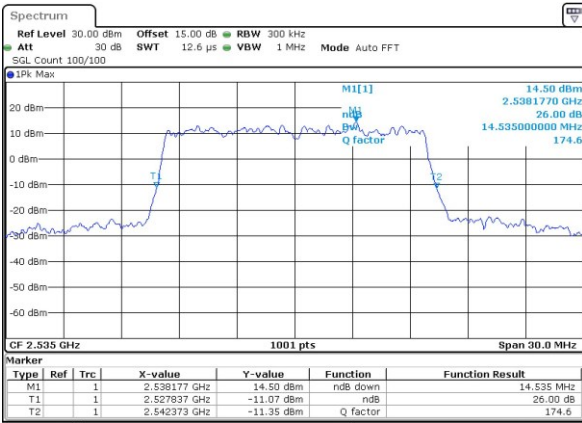
Lowest Channel / 15MHz / QPSK



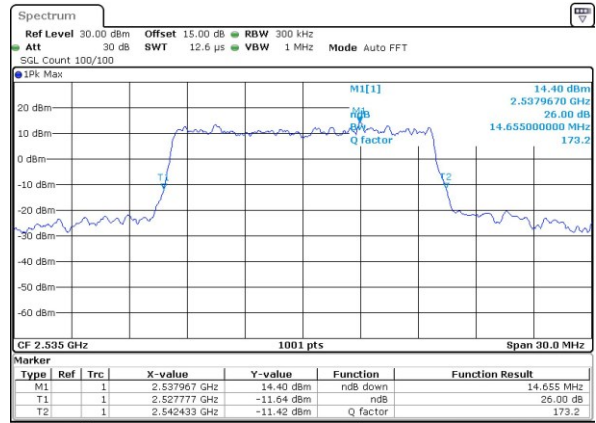
Lowest Channel / 15MHz / 16QAM



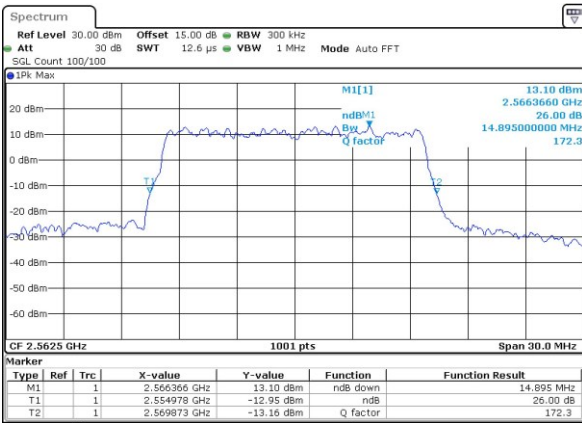
Middle Channel / 15MHz / QPSK



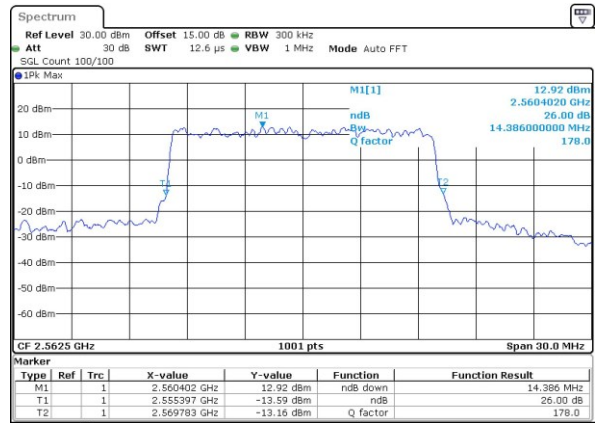
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



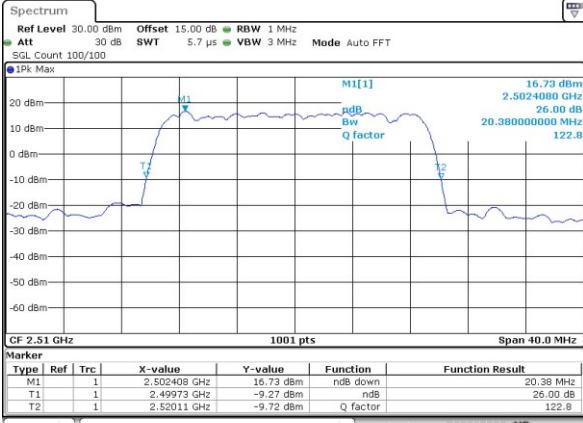
Highest Channel / 15MHz / 16QAM



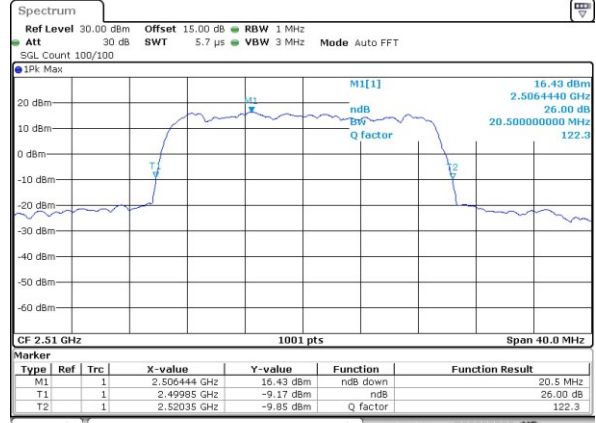


LTE Band 7

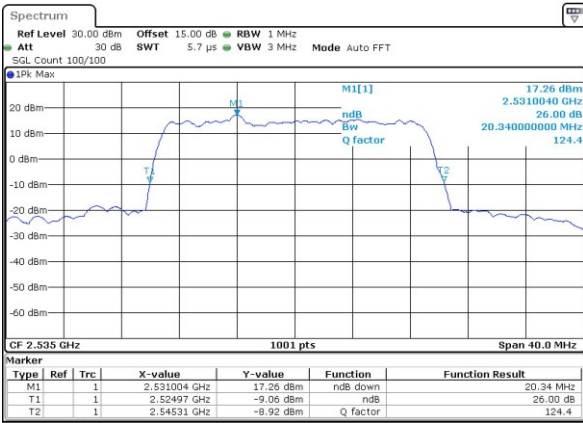
Lowest Channel / 20MHz / QPSK



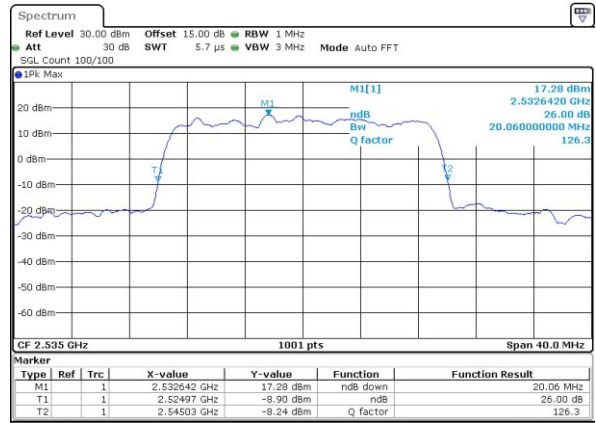
Lowest Channel / 20MHz / 16QAM



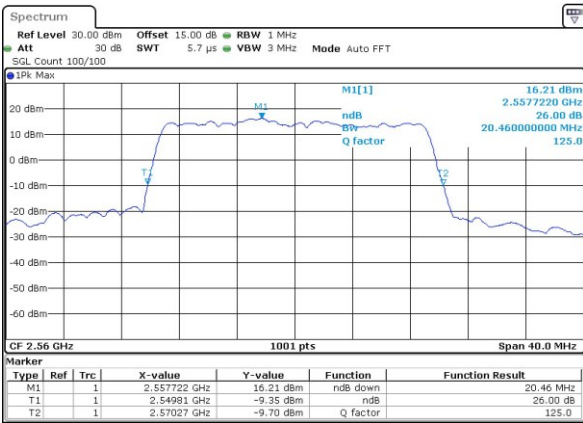
Middle Channel / 20MHz / QPSK



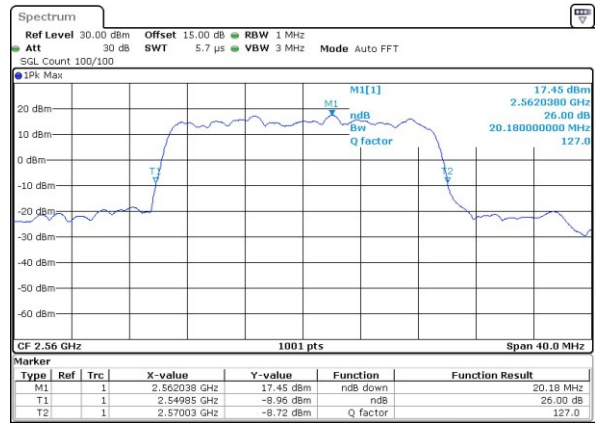
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



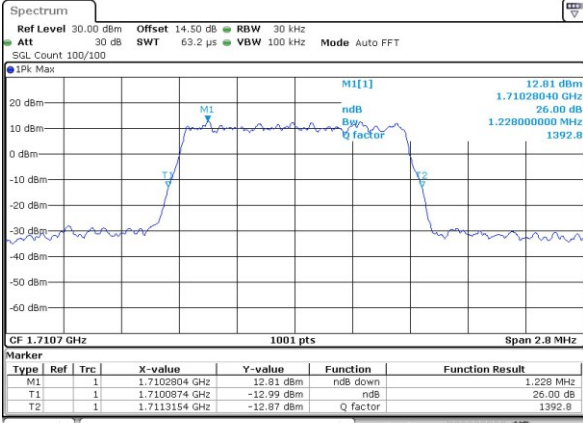
Highest Channel / 20MHz / 16QAM



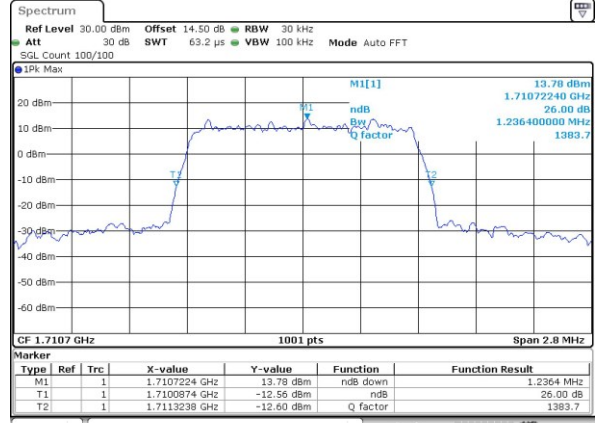


LTE Band 66

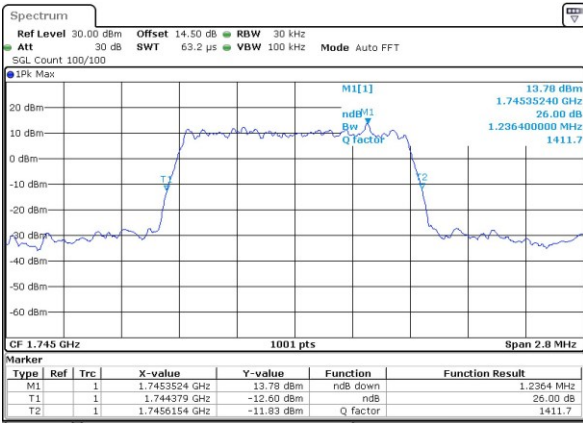
Lowest Channel / 1.4MHz / QPSK



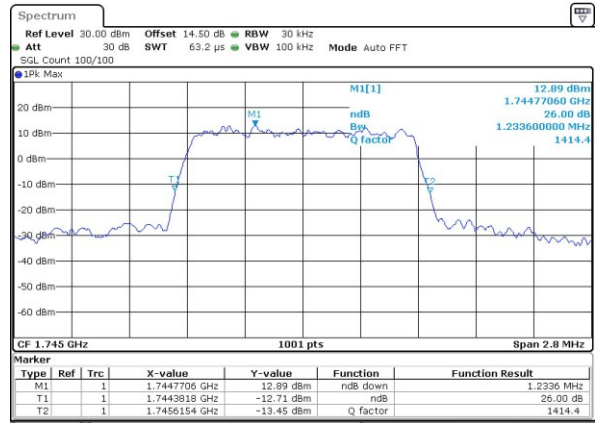
Lowest Channel / 1.4MHz / 16QAM



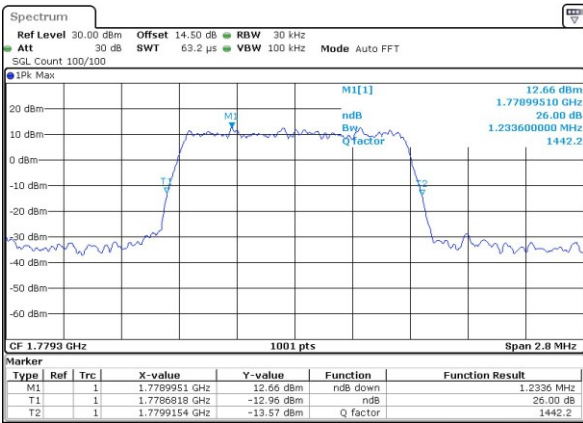
Middle Channel / 1.4MHz / QPSK



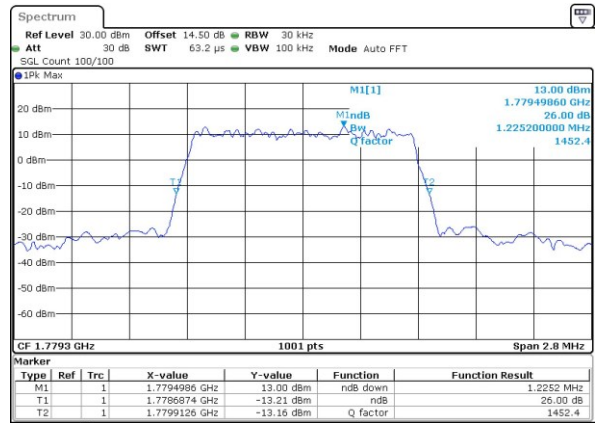
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



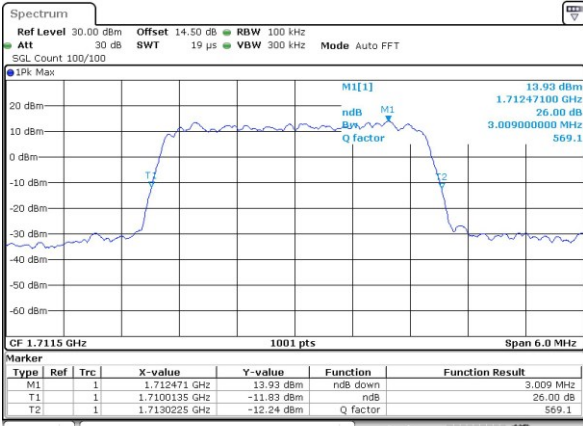
Highest Channel / 1.4MHz / 16QAM



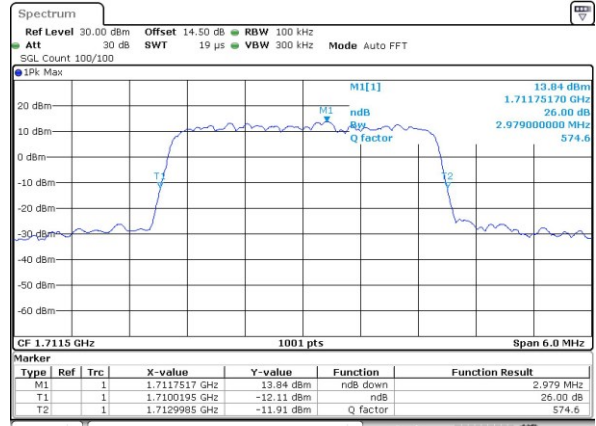


LTE Band 66

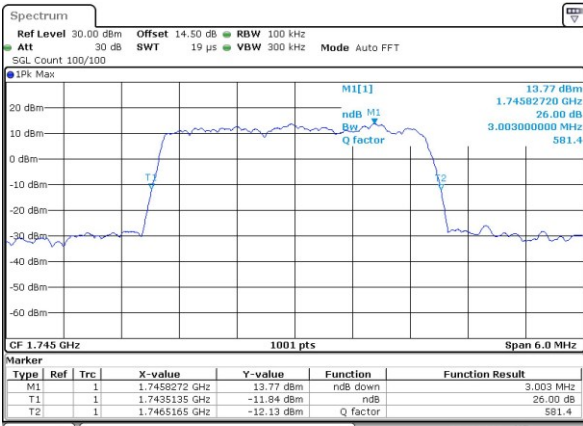
Lowest Channel / 3MHz / QPSK



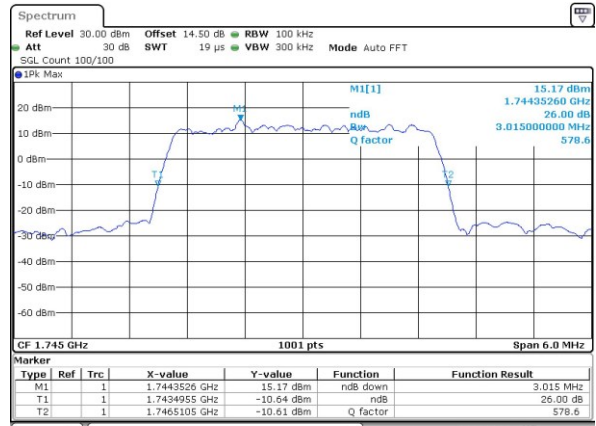
Lowest Channel / 3MHz / 16QAM



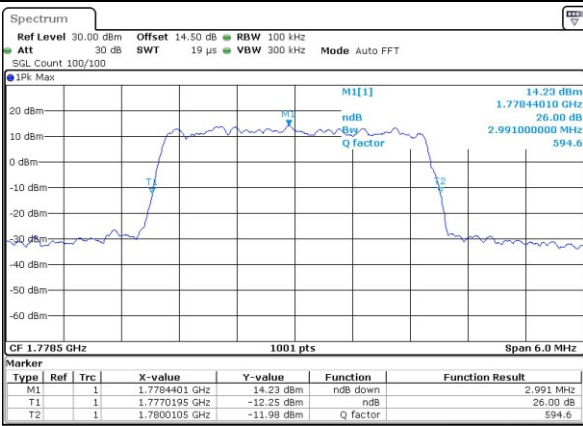
Middle Channel / 3MHz / QPSK



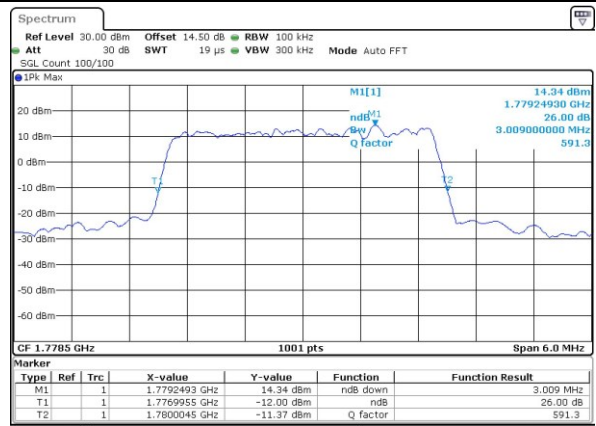
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



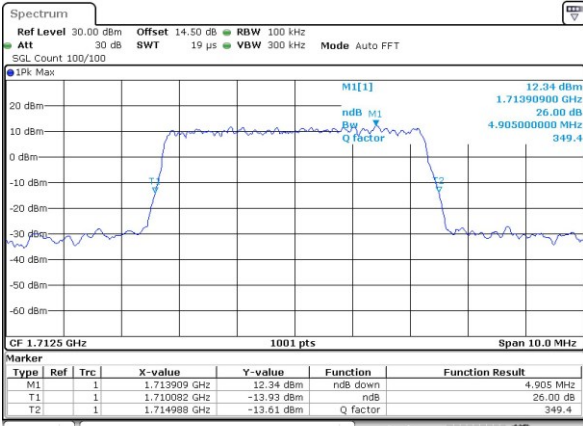
Highest Channel / 3MHz / 16QAM



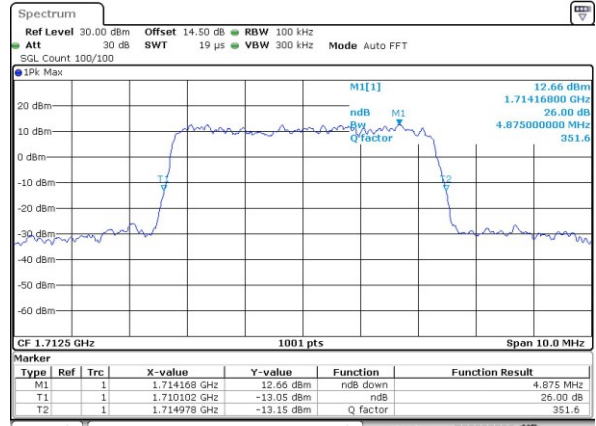


LTE Band 66

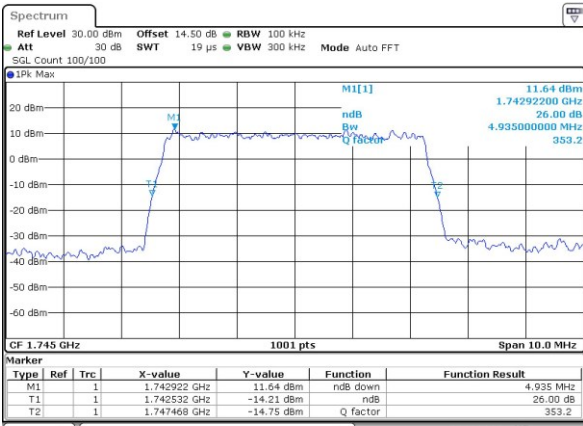
Lowest Channel / 5MHz / QPSK



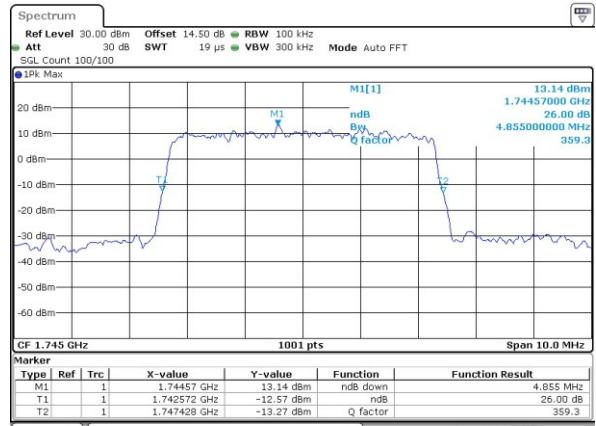
Lowest Channel / 5MHz / 16QAM



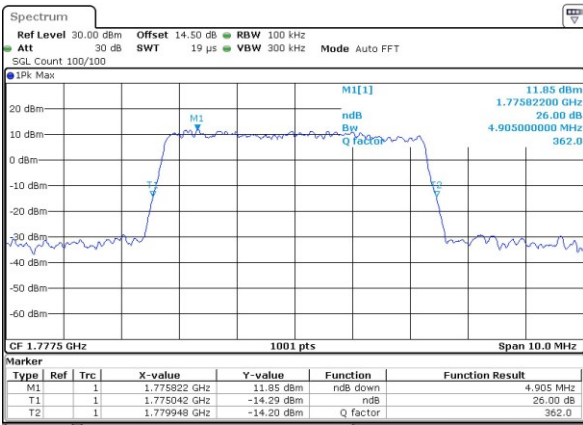
Middle Channel / 5MHz / QPSK



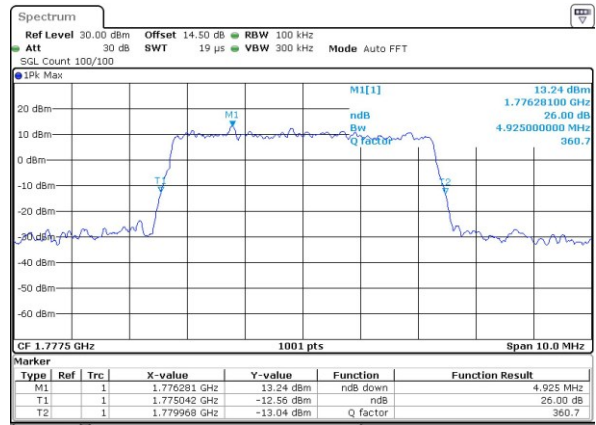
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



Highest Channel / 5MHz / 16QAM

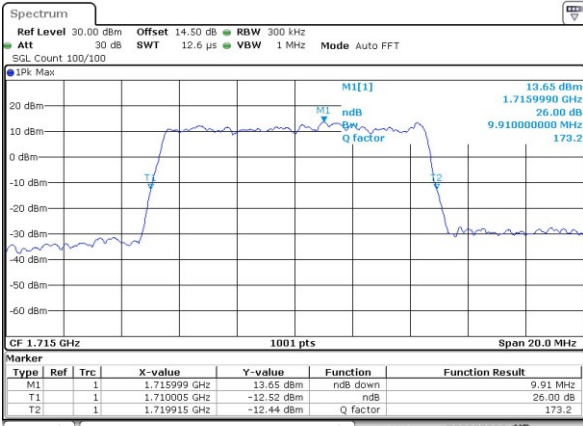




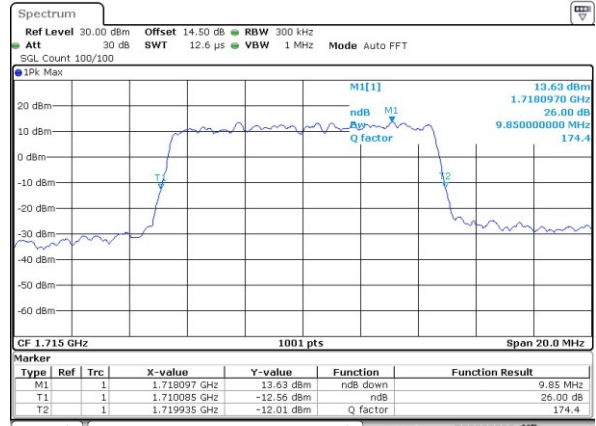


LTE Band 66

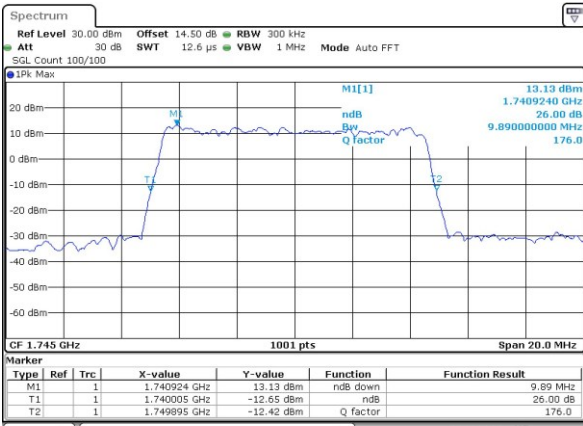
Lowest Channel / 10MHz / QPSK



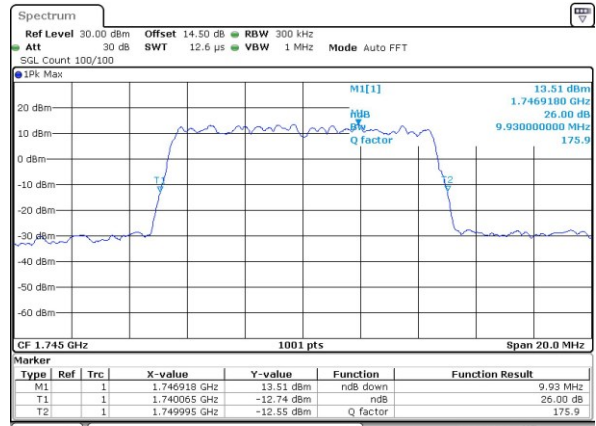
Lowest Channel / 10MHz / 16QAM



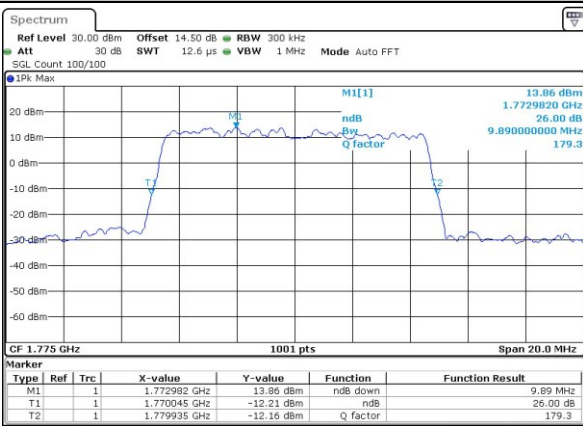
Middle Channel / 10MHz / QPSK



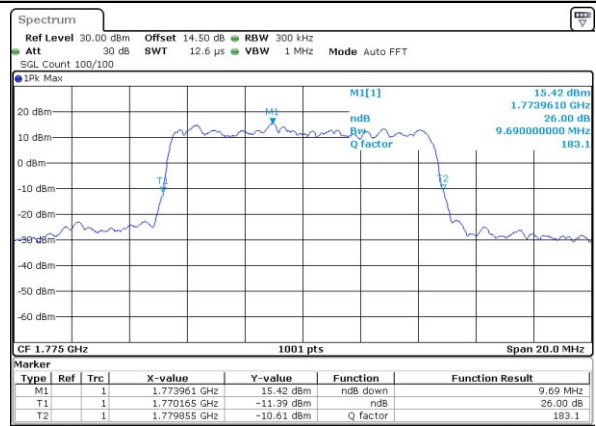
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



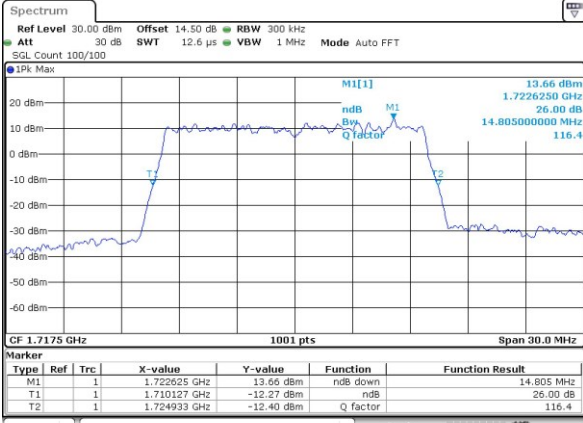
Highest Channel / 10MHz / 16QAM



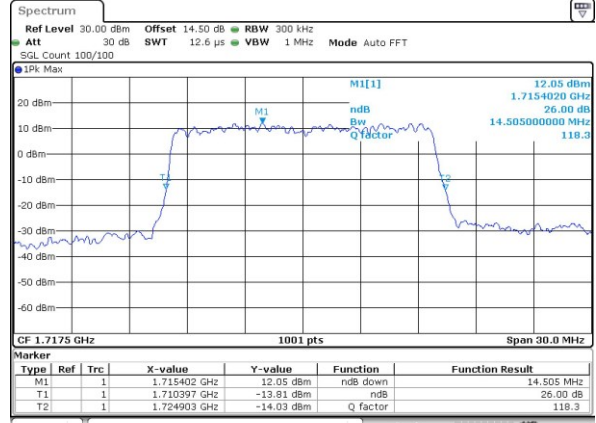


LTE Band 66

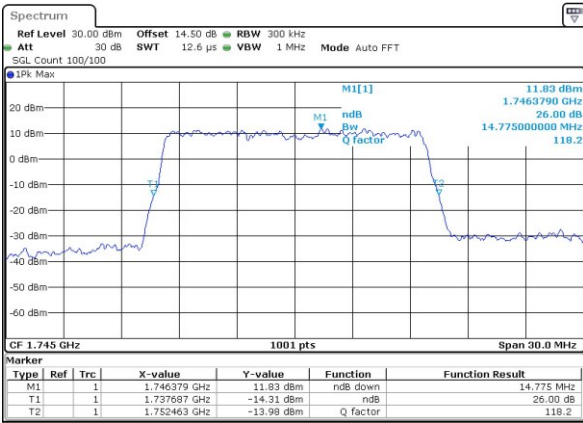
Lowest Channel / 15MHz / QPSK



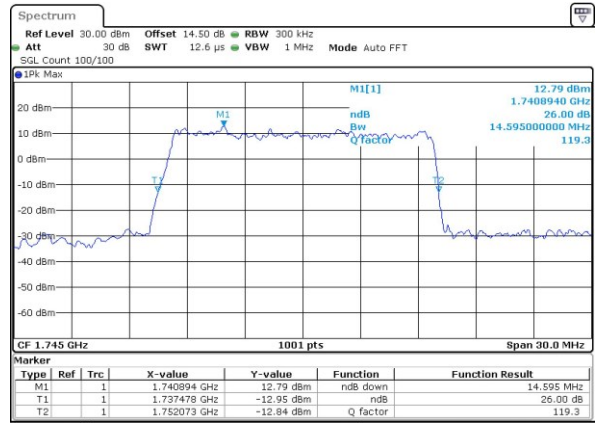
Lowest Channel / 15MHz / 16QAM



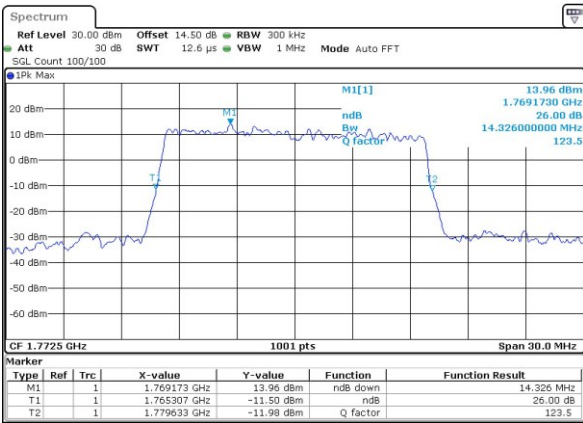
Middle Channel / 15MHz / QPSK



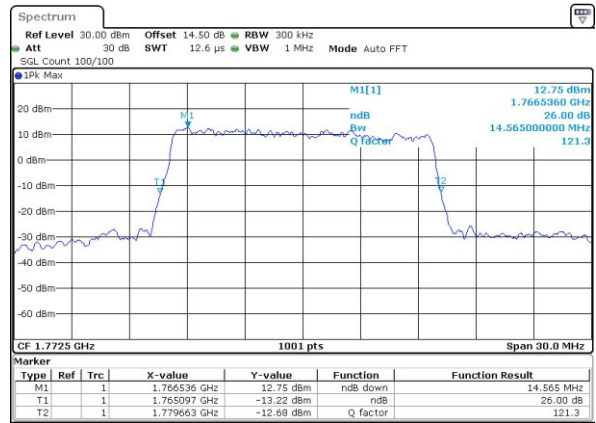
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



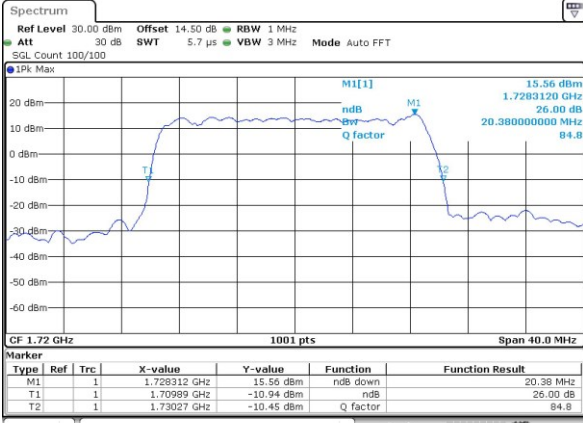
Highest Channel / 15MHz / 16QAM



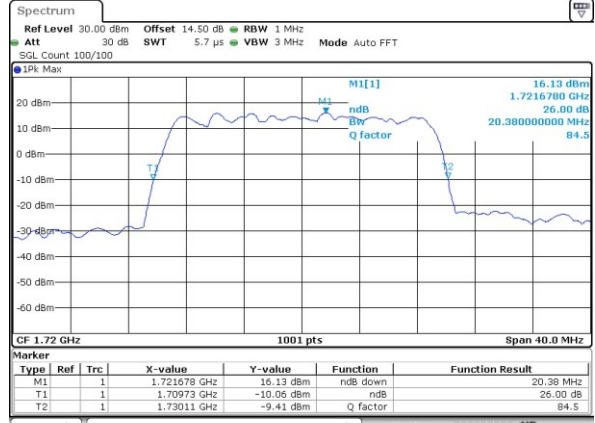


LTE Band 66

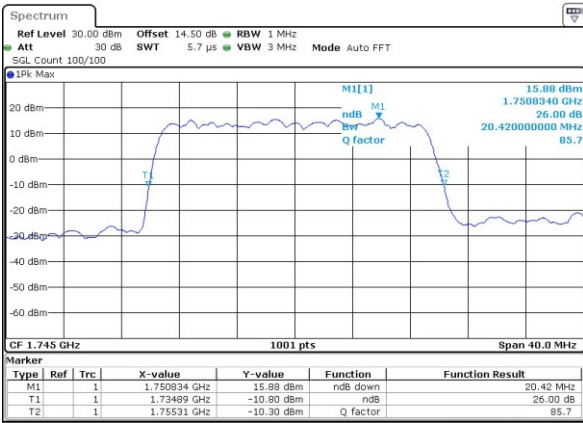
Lowest Channel / 20MHz / QPSK



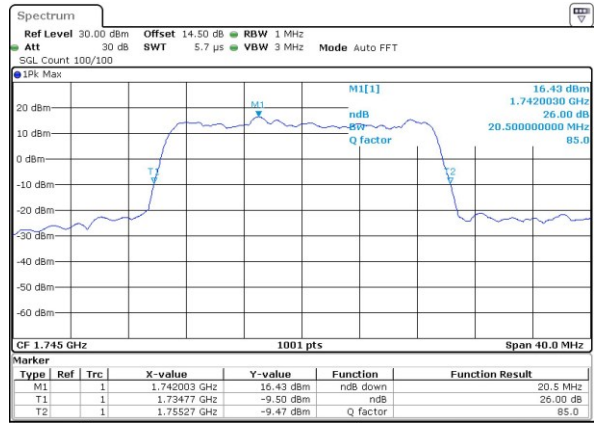
Lowest Channel / 20MHz / 16QAM



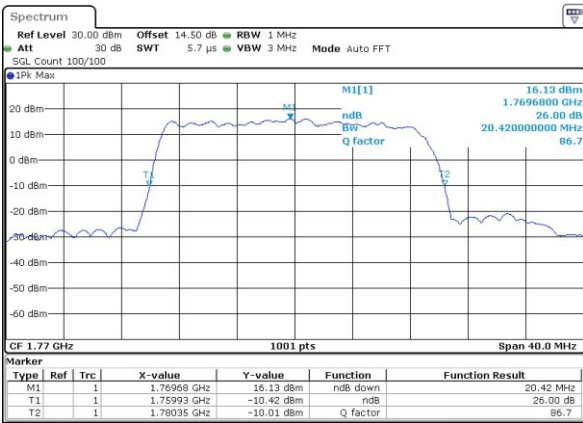
Middle Channel / 20MHz / QPSK



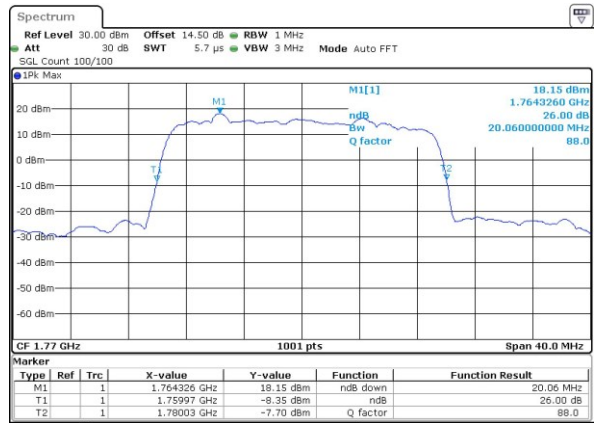
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM







## Occupied Bandwidth

Mode	LTE Band 2 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.73	2.70	4.52	4.49	9.09	9.05	13.46	13.46	18.50	18.54
Middle CH	1.09	1.10	2.73	2.72	4.48	4.48	8.99	9.09	13.43	13.49	18.38	18.46
Highest CH	1.10	1.10	2.72	2.72	4.48	4.49	9.03	8.97	13.43	13.49	18.46	18.34

Mode	LTE Band 4 : 99%OBW(MHz)											
	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	2.76	2.73	4.51	4.48	9.11	9.07	13.46	13.46	18.42	18.46
Middle CH	1.09	1.09	2.73	2.74	4.50	4.49	8.99	8.99	13.49	13.49	18.54	18.50
Highest CH	1.09	1.09	2.72	2.70	4.46	4.49	9.11	8.99	13.46	13.40	18.38	18.46

Mode	LTE Band 5 : 99%OBW(MHz)											
	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	2.70	2.73	4.49	4.49	9.05	9.07	-	-	-	-
Middle CH	1.09	1.10	2.73	2.73	4.51	4.47	9.03	9.03	-	-	-	-
Highest CH	1.09	1.10	2.73	2.73	4.48	4.47	9.07	9.09	-	-	-	-

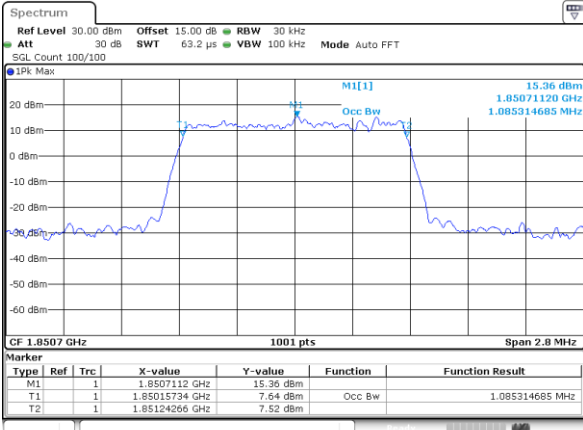
Mode	LTE Band 7 : 99%OBW(MHz)											
	5MHz		10MHz		15MHz		20MHz					
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM				
Lowest CH	4.50	4.49	9.07	9.09	13.40	13.43	18.46	18.22				
Middle CH	4.49	4.47	9.07	9.09	13.58	13.46	18.38	18.50				
Highest CH	4.49	4.49	9.05	9.05	13.37	13.46	18.50	18.62				

Mode	LTE Band 66 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.10	1.10	2.72	2.72	4.46	4.48	9.05	9.07	13.61	13.34	18.34	18.42
Middle CH	1.10	1.10	2.73	2.72	4.51	4.48	9.05	9.05	13.49	13.43	18.54	18.38
Highest CH	1.09	1.10	2.73	2.73	4.50	4.48	9.05	9.11	13.43	13.49	18.46	18.26

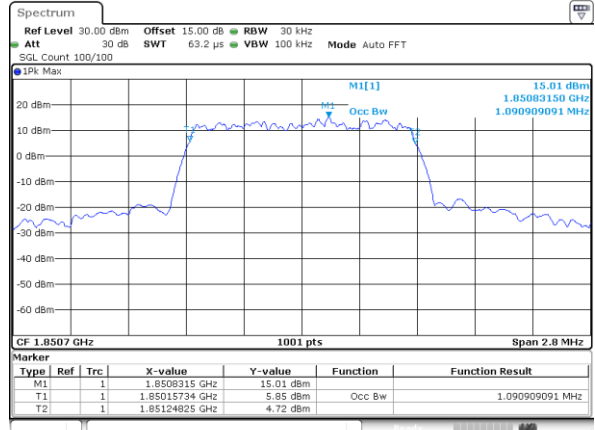


LTE Band 2

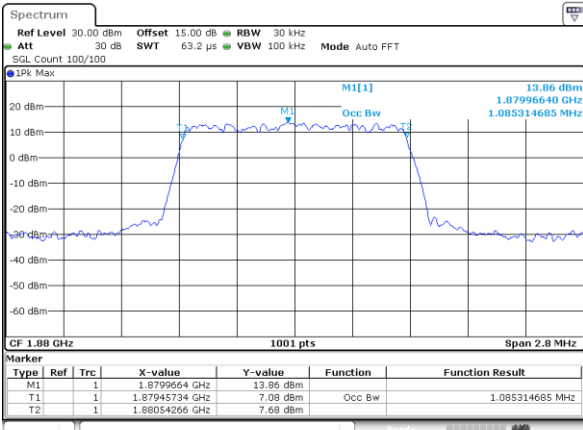
Lowest Channel / 1.4MHz / QPSK



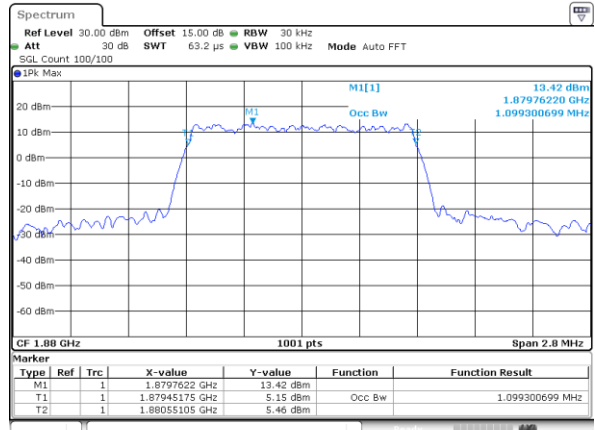
Lowest Channel / 1.4MHz / 16QAM



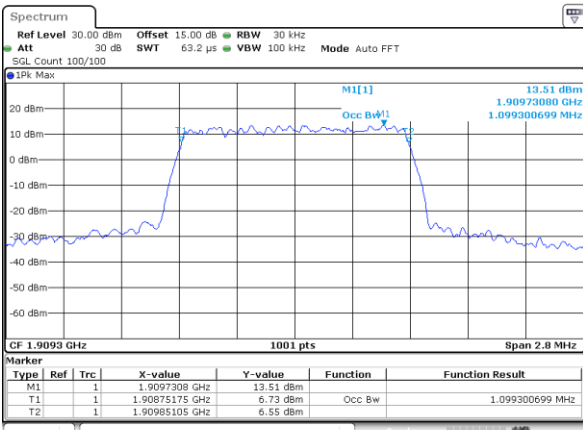
Middle Channel / 1.4MHz / QPSK



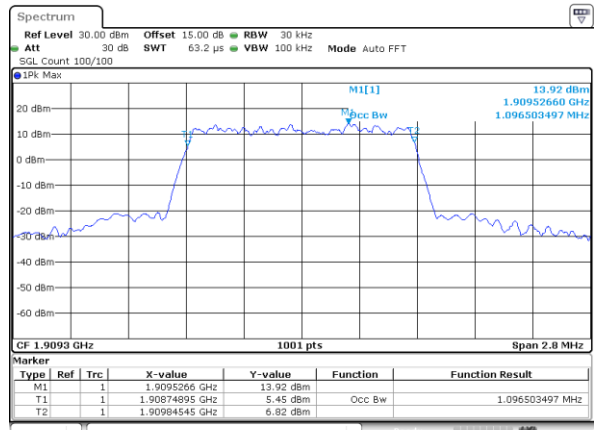
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



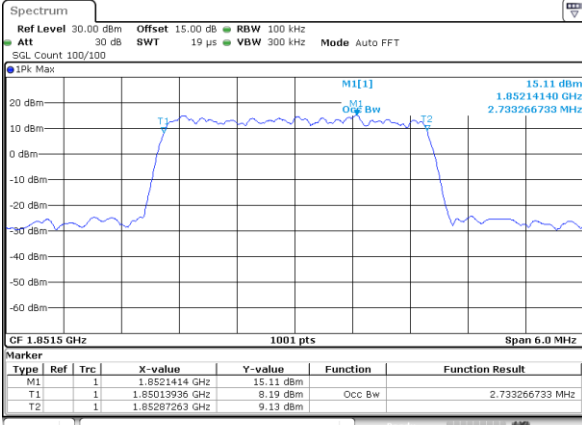
Highest Channel / 1.4MHz / 16QAM





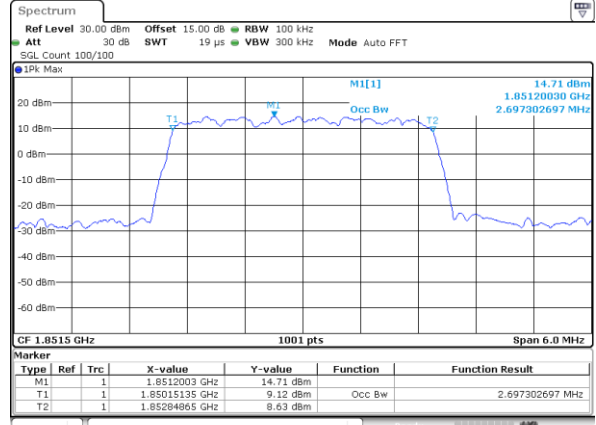
LTE Band 2

Lowest Channel / 3MHz / QPSK



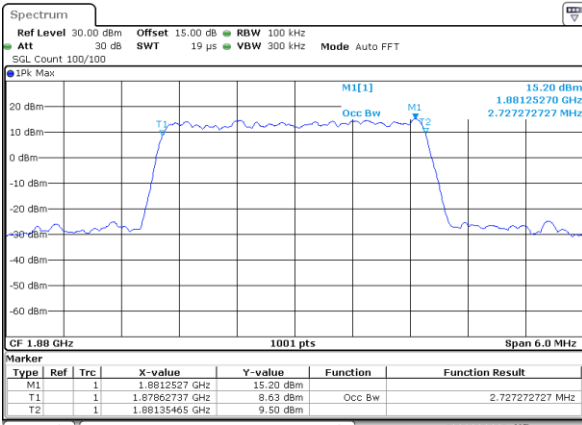
Date: 5 JAN 2019 13:29:24

Lowest Channel / 3MHz / 16QAM



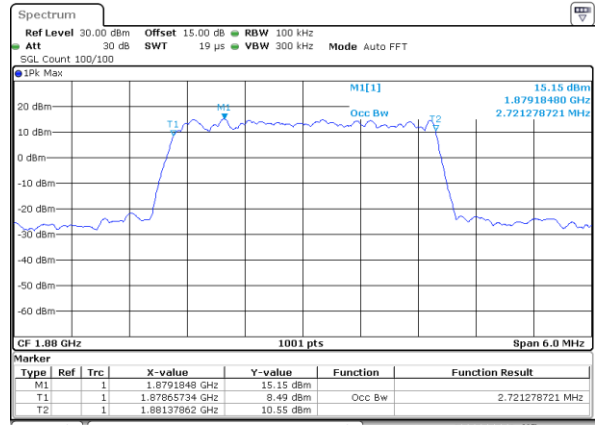
Date: 5 JAN 2019 13:29:35

Middle Channel / 3MHz / QPSK



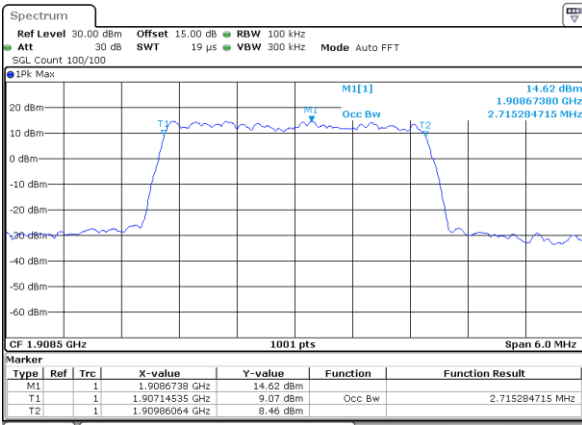
Date: 5 JAN 2019 13:36:35

Middle Channel / 3MHz / 16QAM



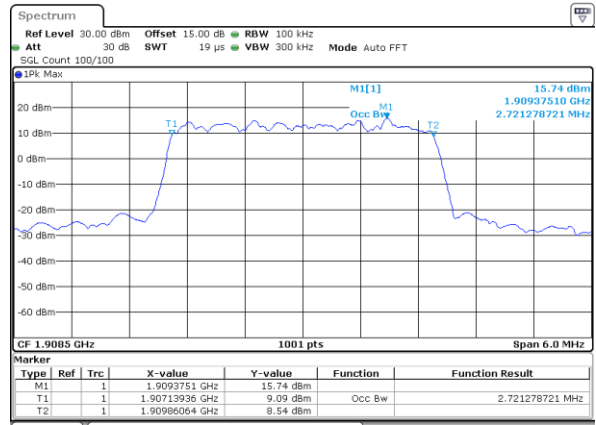
Date: 5 JAN 2019 13:36:45

Highest Channel / 3MHz / QPSK



Date: 5 JAN 2019 13:39:07

Highest Channel / 3MHz / 16QAM

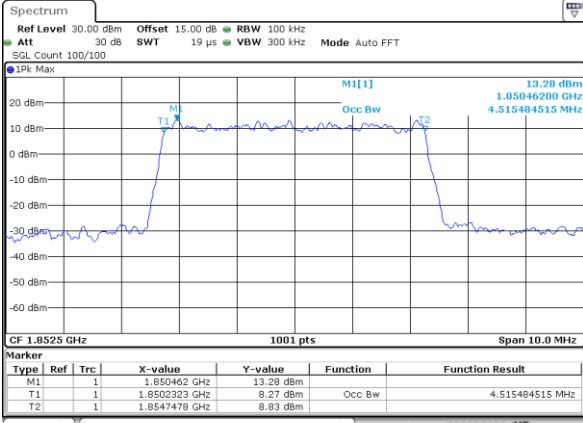


Date: 5 JAN 2019 13:39:17



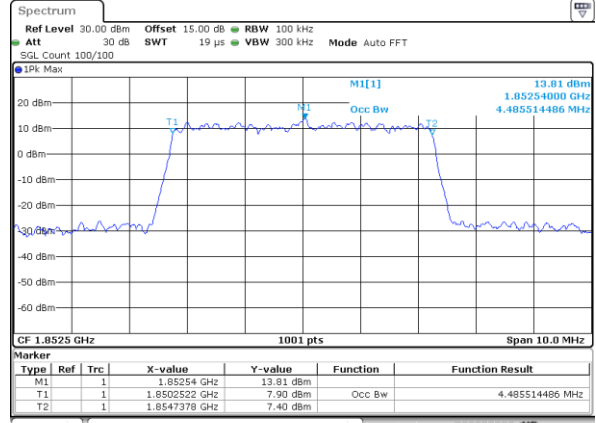
LTE Band 2

Lowest Channel / 5MHz / QPSK



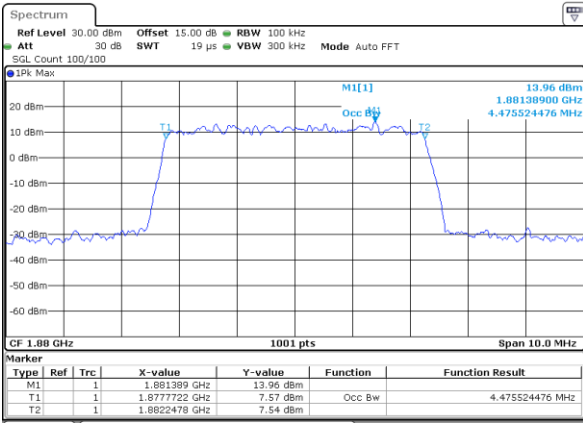
Date: 5 JAN 2019 13:54:17

Lowest Channel / 5MHz / 16QAM



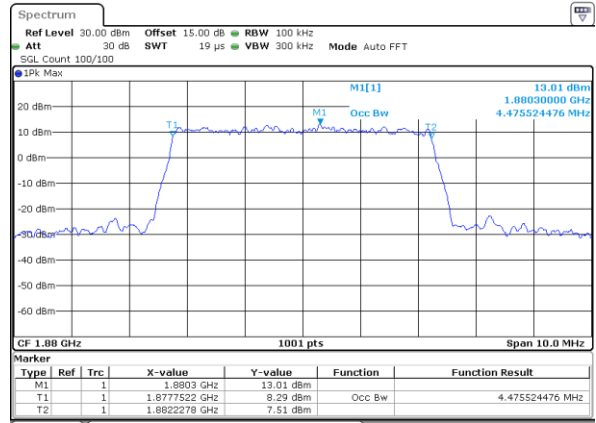
Date: 5 JAN 2019 13:54:27

Middle Channel / 5MHz / QPSK



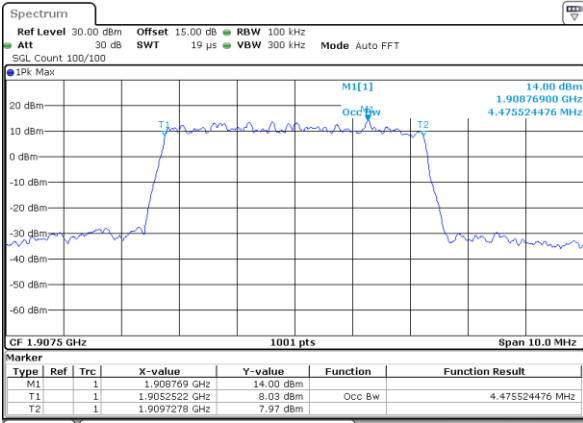
Date: 5 JAN 2019 15:59:01

Middle Channel / 5MHz / 16QAM



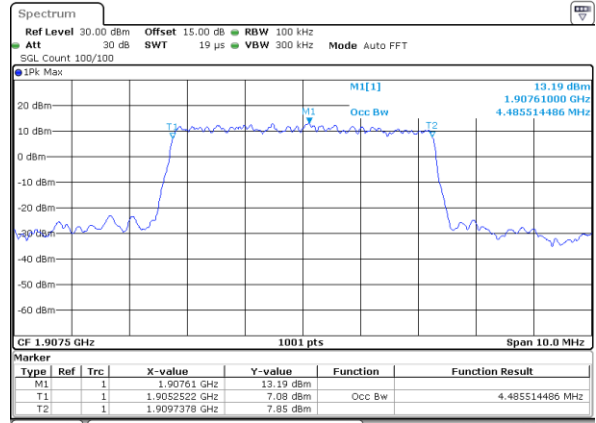
Date: 5 JAN 2019 14:01:37

Highest Channel / 5MHz / QPSK



Date: 5 JAN 2019 14:03:59

Highest Channel / 5MHz / 16QAM

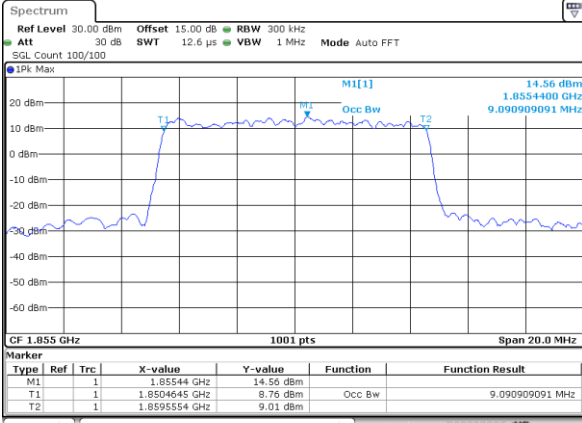


Date: 5 JAN 2019 14:04:10



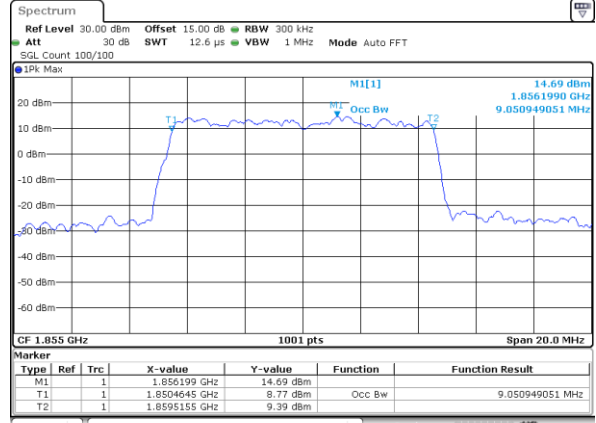
LTE Band 2

Lowest Channel / 10MHz / QPSK



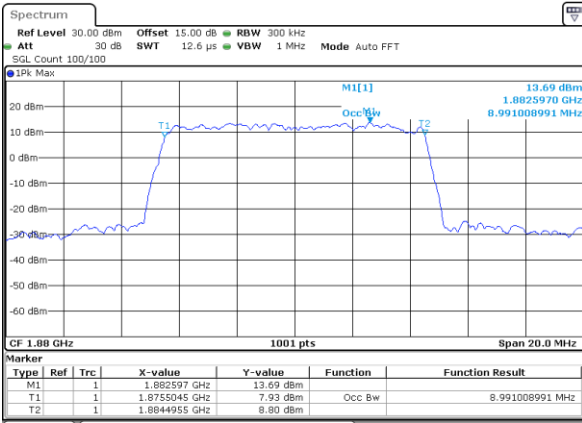
Date: 5 JAN 2019 14:43:39

Lowest Channel / 10MHz / 16QAM



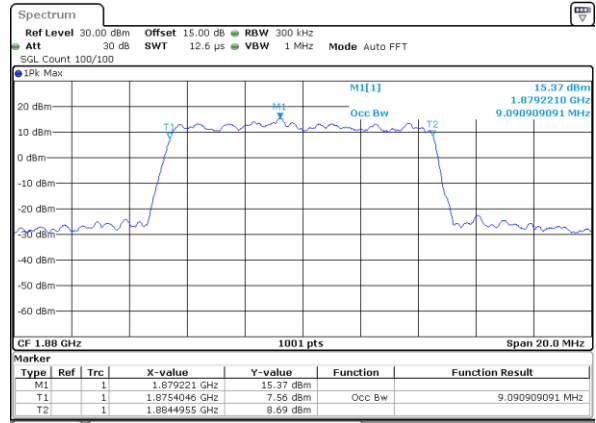
Date: 5 JAN 2019 14:43:49

Middle Channel / 10MHz / QPSK



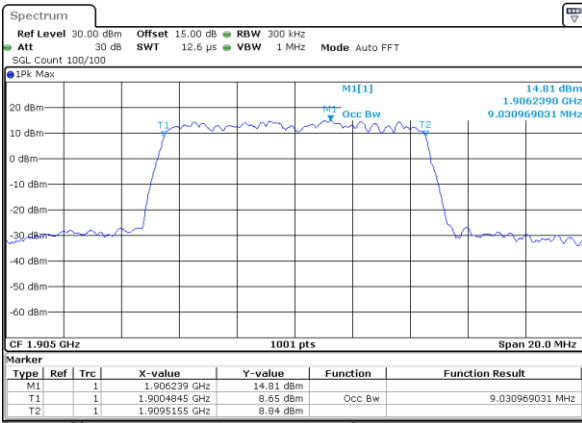
Date: 5 JAN 2019 14:50:48

Middle Channel / 10MHz / 16QAM



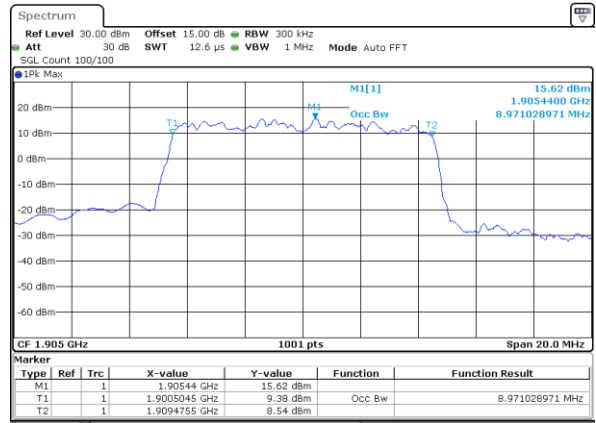
Date: 5 JAN 2019 14:50:59

Highest Channel / 10MHz / QPSK



Date: 5 JAN 2019 14:53:21

Highest Channel / 10MHz / 16QAM



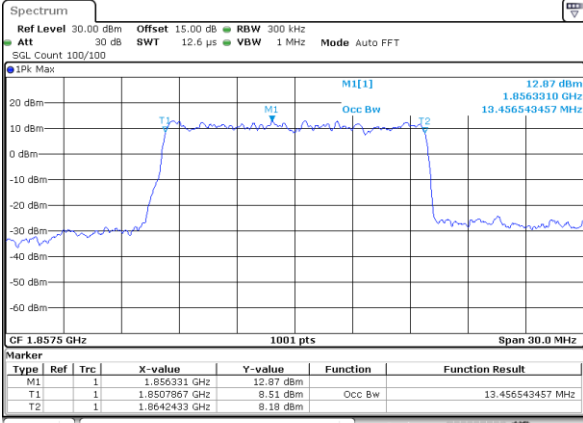
Date: 5 JAN 2019 14:53:31





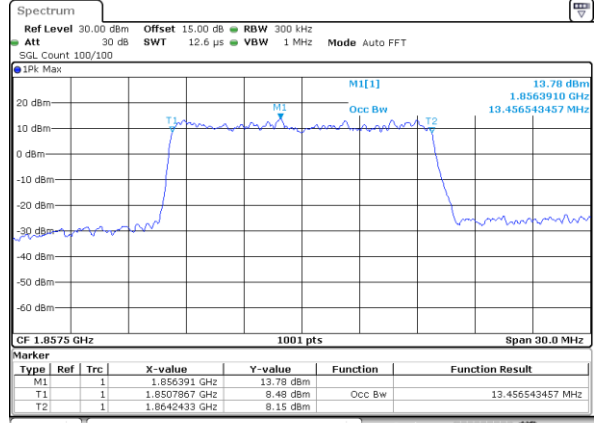
LTE Band 2

Lowest Channel / 15MHz / QPSK



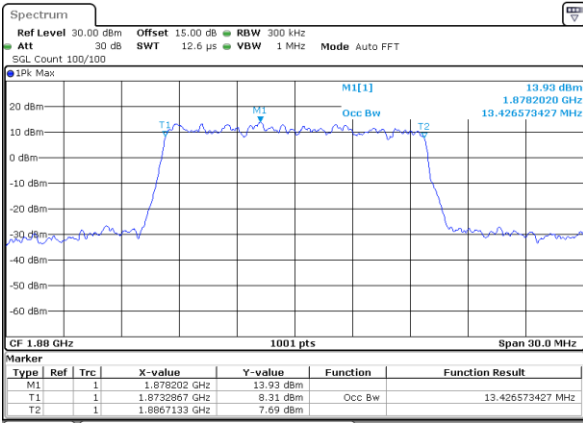
Date: 5 JAN 2019 15:15:44

Lowest Channel / 15MHz / 16QAM



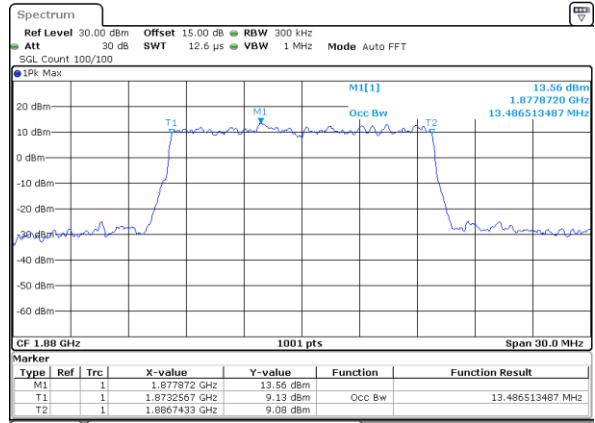
Date: 5 JAN 2019 15:15:54

Middle Channel / 15MHz / QPSK



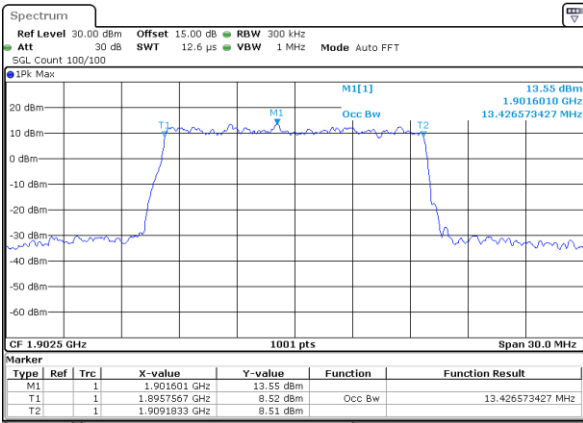
Date: 5 JAN 2019 15:22:53

Middle Channel / 15MHz / 16QAM



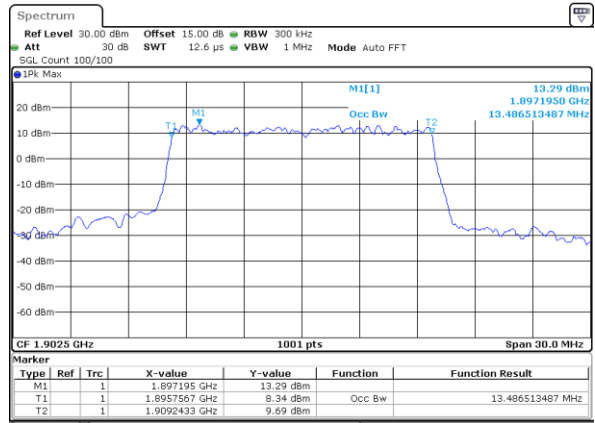
Date: 5 JAN 2019 15:23:03

Highest Channel / 15MHz / QPSK



Date: 5 JAN 2019 15:25:24

Highest Channel / 15MHz / 16QAM

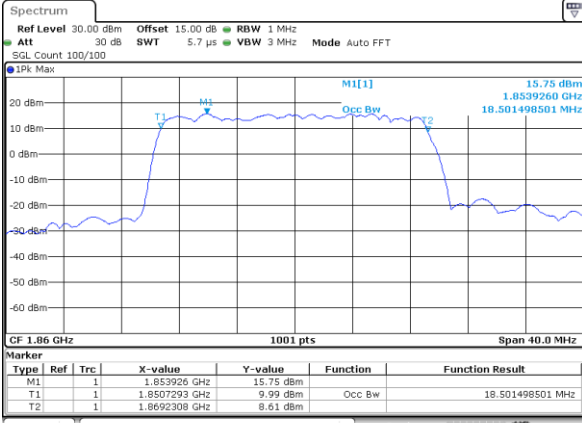


Date: 5 JAN 2019 15:25:34



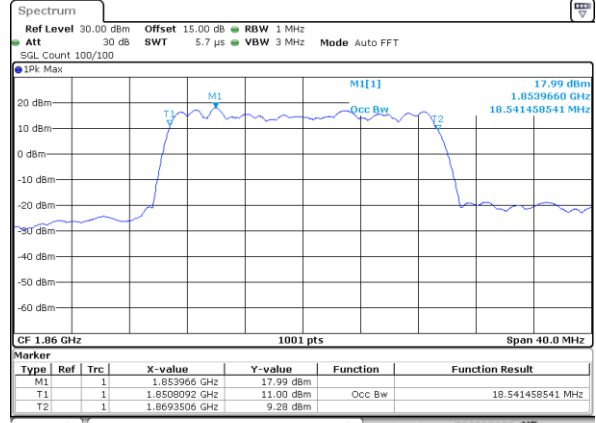
LTE Band 2

Lowest Channel / 20MHz / QPSK



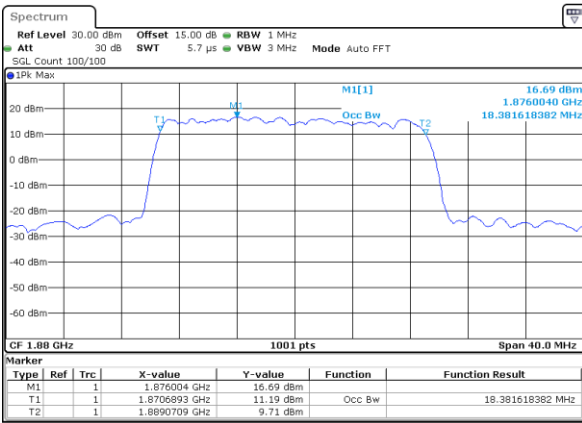
Date: 5 JAN 2019 15:37:03

Lowest Channel / 20MHz / 16QAM



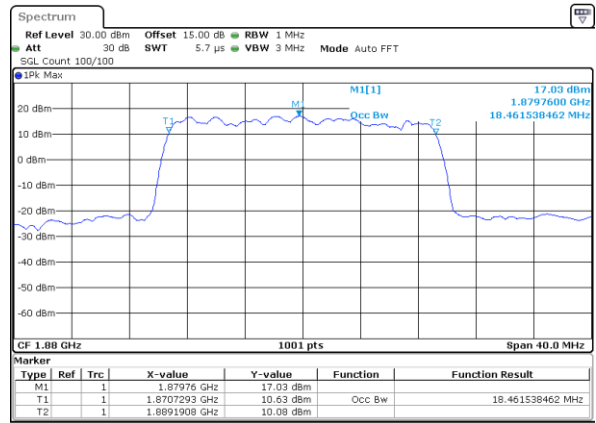
Date: 5 JAN 2019 15:37:13

Middle Channel / 20MHz / QPSK



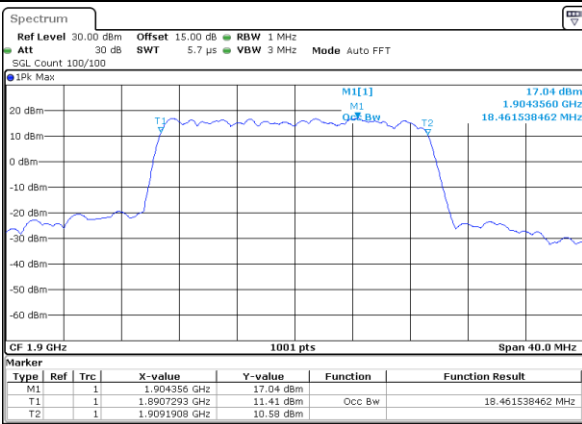
Date: 5 JAN 2019 15:44:12

Middle Channel / 20MHz / 16QAM



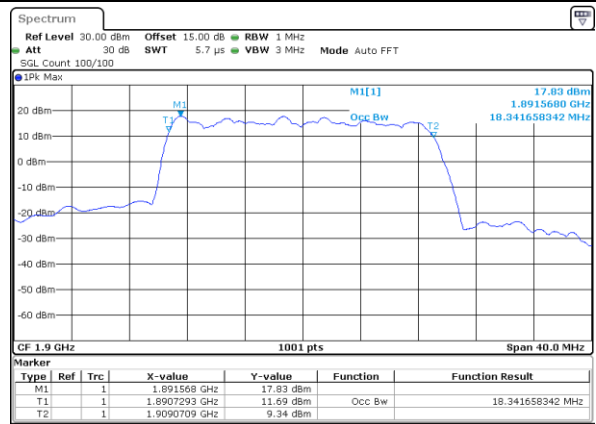
Date: 5 JAN 2019 15:44:22

Highest Channel / 20MHz / QPSK



Date: 5 JAN 2019 15:44:44

Highest Channel / 20MHz / 16QAM

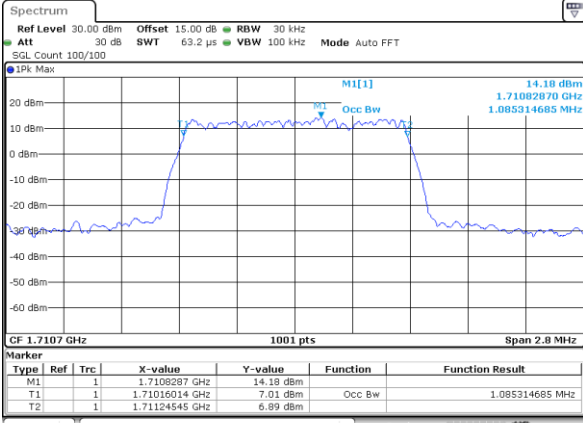


Date: 5 JAN 2019 15:44:54



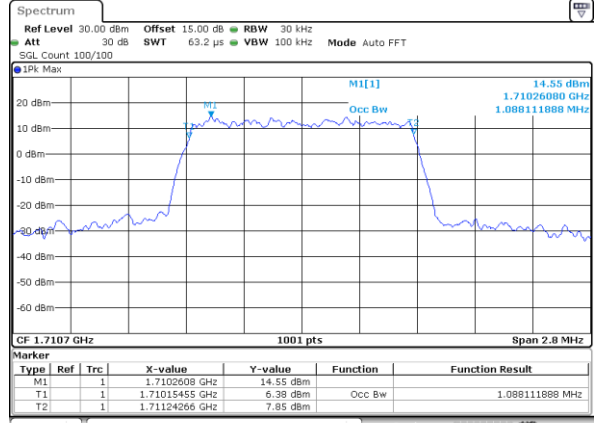
LTE Band 4

Lowest Channel / 1.4MHz / QPSK



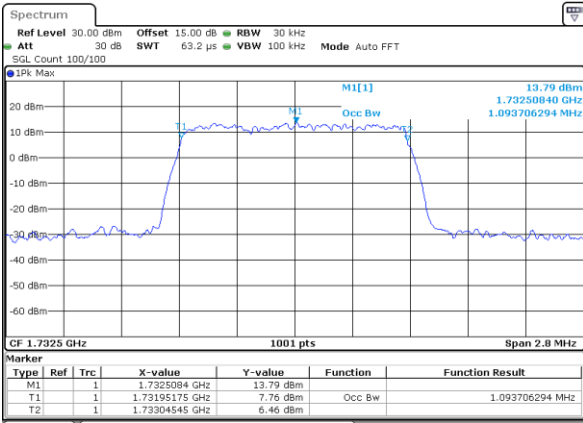
Date: 5 JAN 2019 10:19:57

Lowest Channel / 1.4MHz / 16QAM



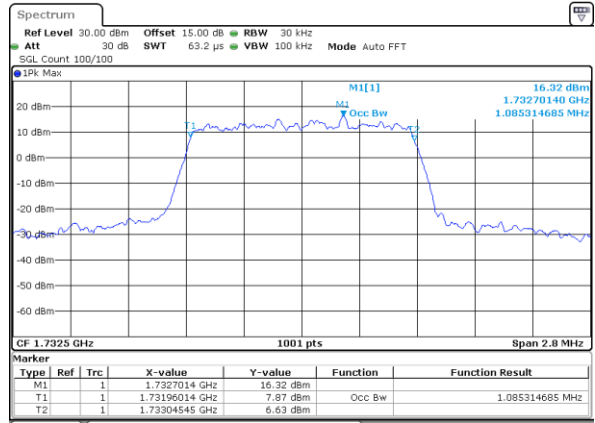
Date: 5 JAN 2019 10:20:07

Middle Channel / 1.4MHz / QPSK



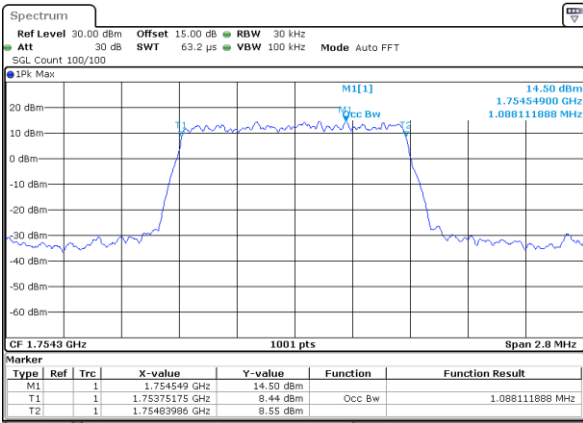
Date: 5 JAN 2019 10:27:06

Middle Channel / 1.4MHz / 16QAM



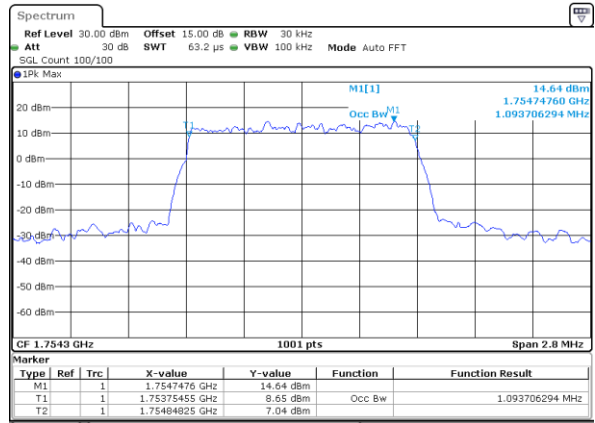
Date: 5 JAN 2019 10:27:17

Highest Channel / 1.4MHz / QPSK



Date: 5 JAN 2019 10:29:38

Highest Channel / 1.4MHz / 16QAM



Date: 5 JAN 2019 10:29:48