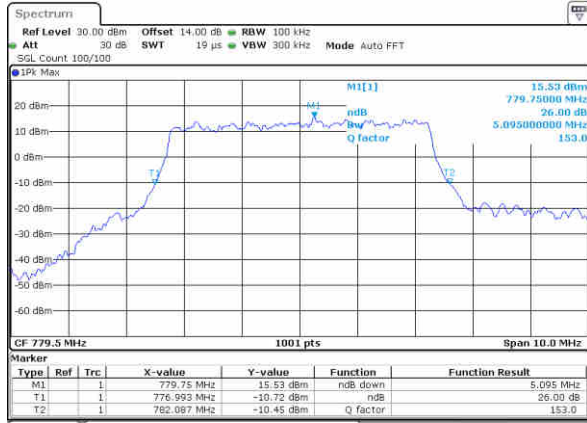


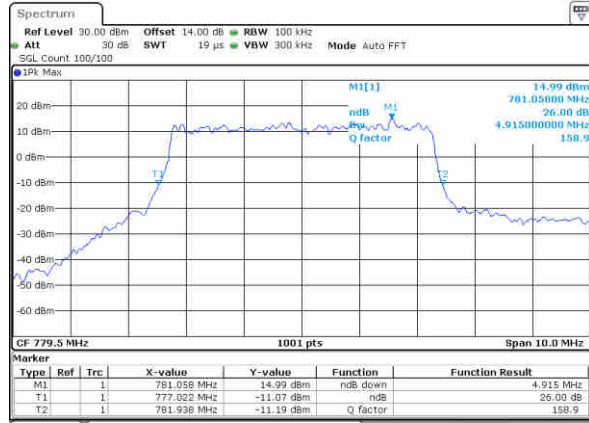


LTE Band 13

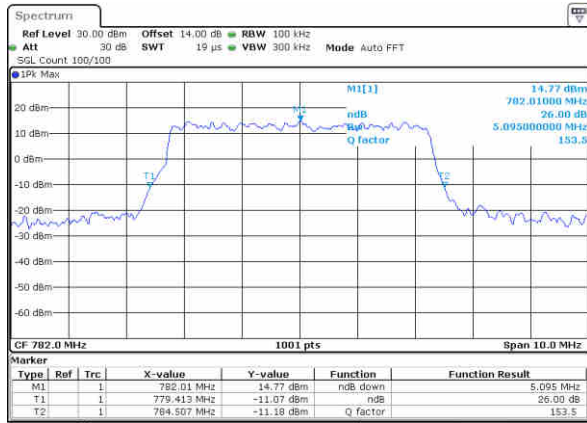
Lowest Channel / 5MHz / QPSK



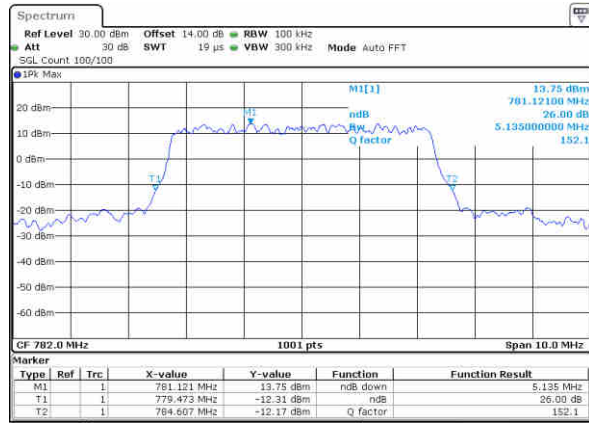
Lowest Channel / 5MHz / 16QAM



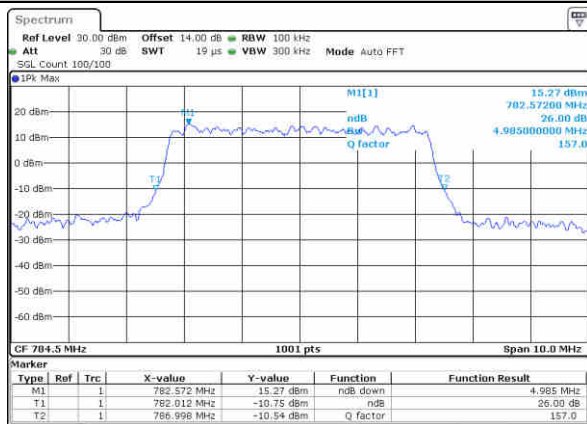
Middle Channel / 5MHz / QPSK



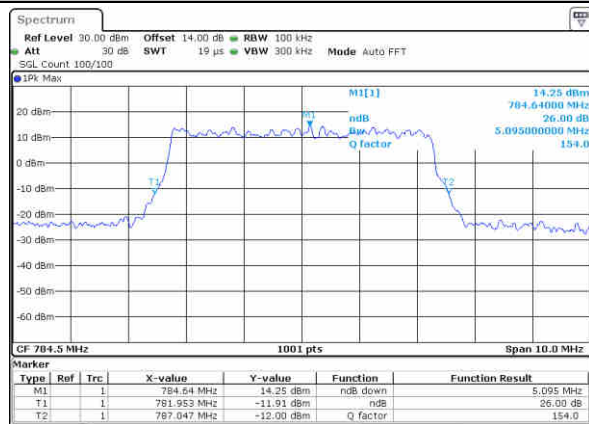
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



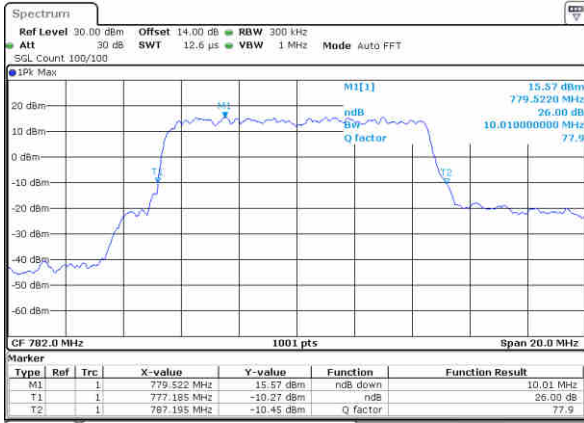
Highest Channel / 5MHz / 16QAM



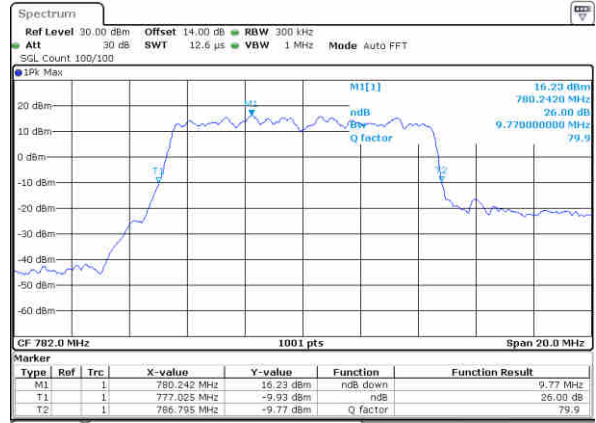


LTE Band 13

Middle Channel / 10MHz / QPSK



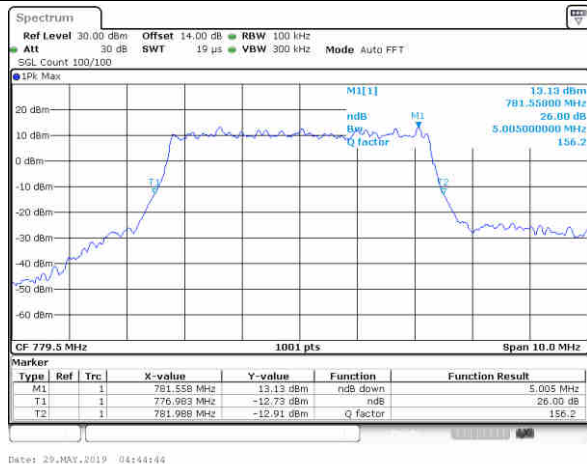
Middle Channel / 10MHz / 16QAM



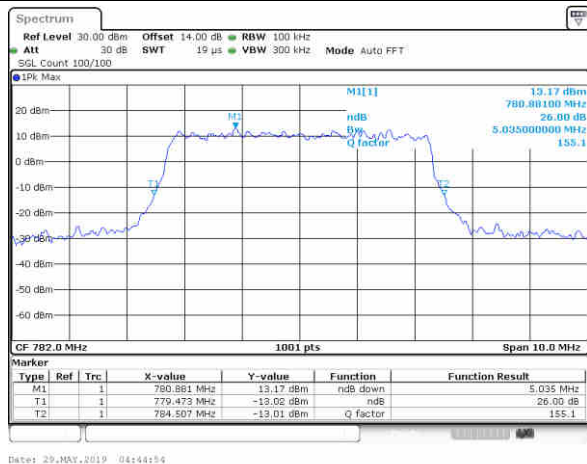


LTE Band 13

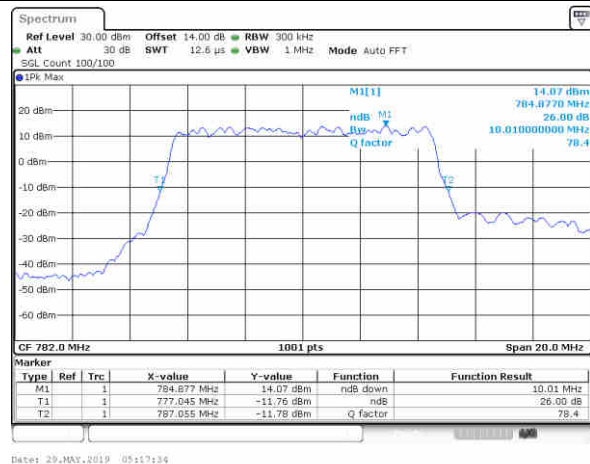
Lowest Channel / 5MHz / 64QAM



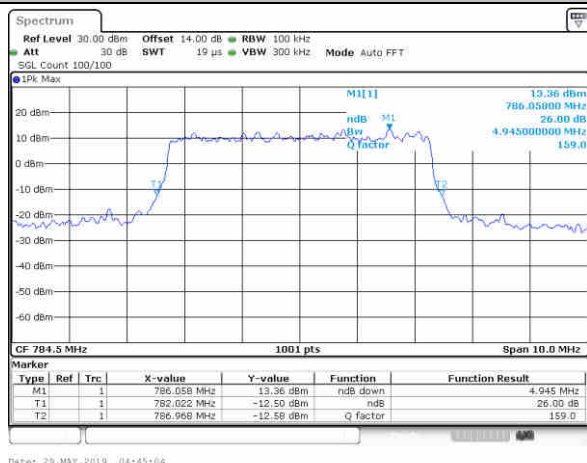
Middle Channel / 5MHz / 64QAM



Middle Channel / 10MHz / 64QAM



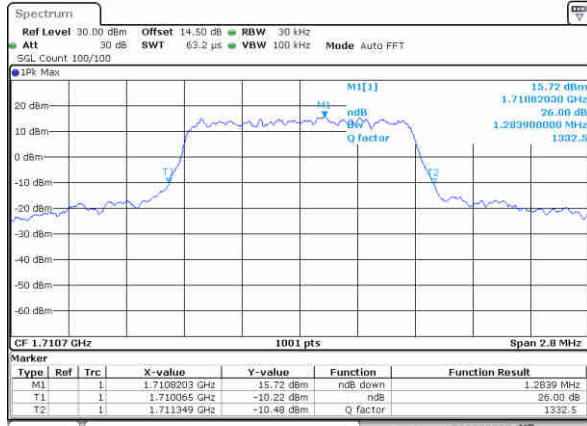
Highest Channel / 5MHz / 64QAM



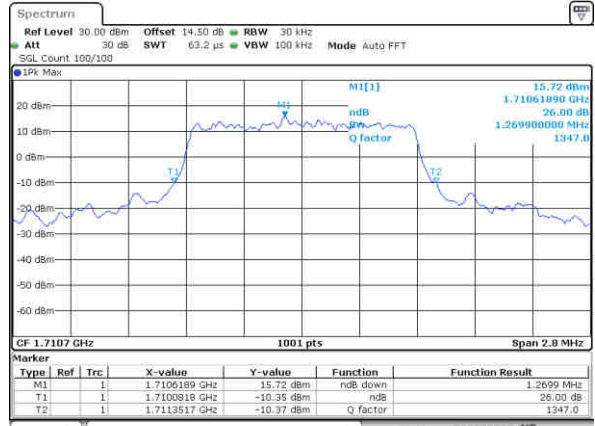


LTE Band 66

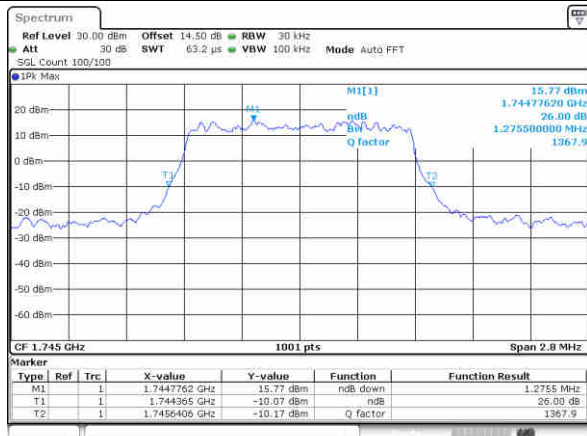
Lowest Channel / 1.4MHz / QPSK



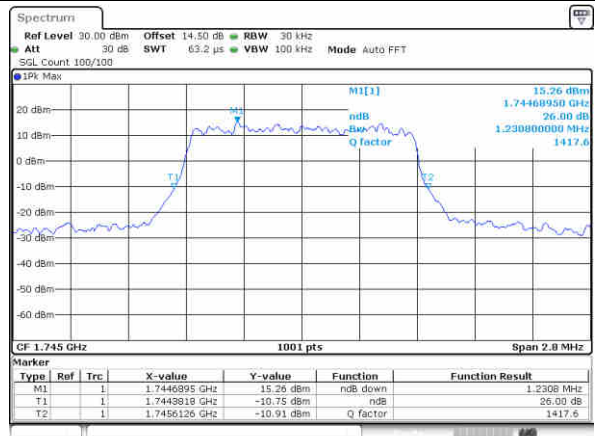
Lowest Channel / 1.4MHz / 16QAM



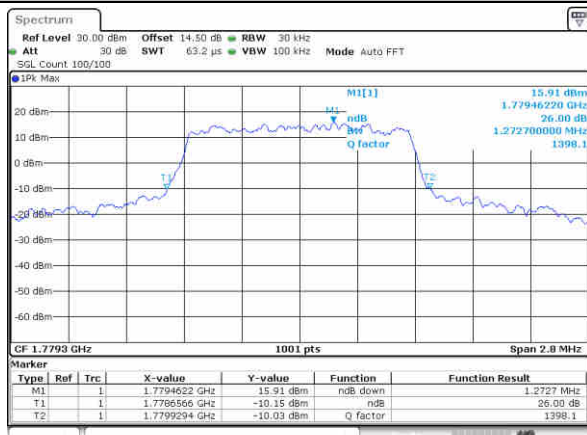
Middle Channel / 1.4MHz / QPSK



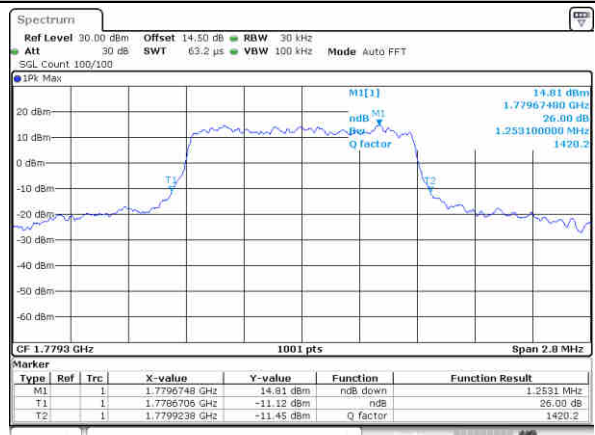
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



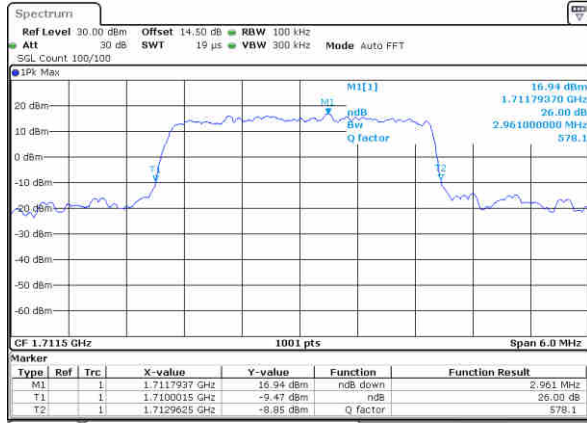
Highest Channel / 1.4MHz / 16QAM



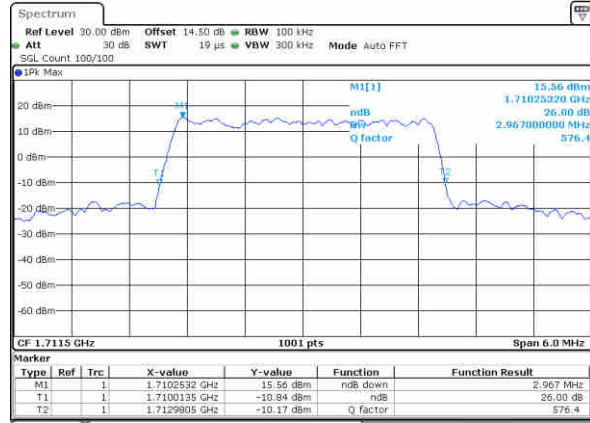


LTE Band 66

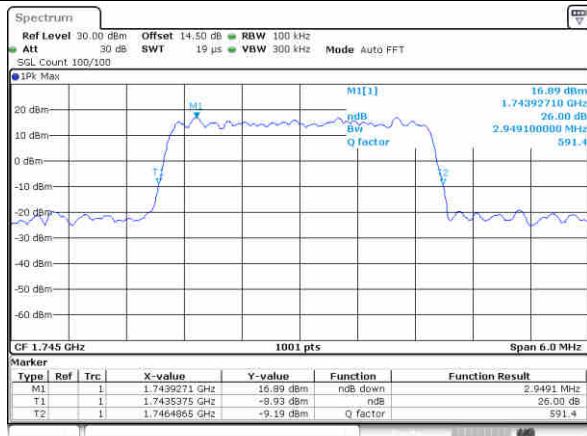
Lowest Channel / 3MHz / QPSK



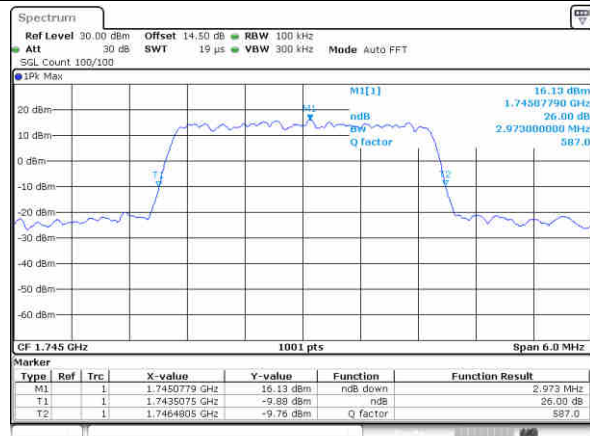
Lowest Channel / 3MHz / 16QAM



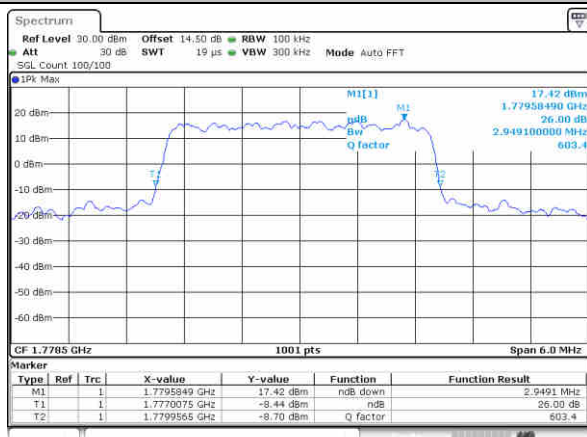
Middle Channel / 3MHz / QPSK



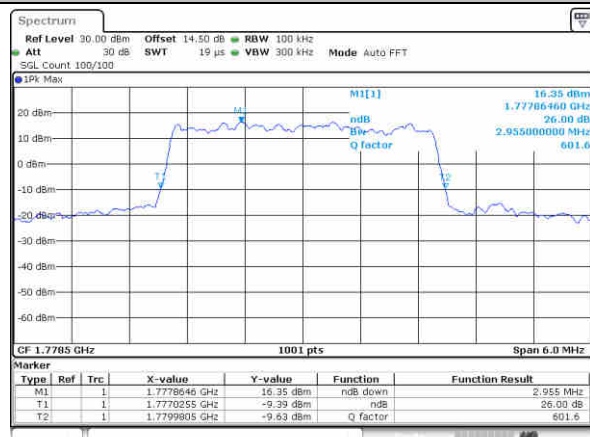
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



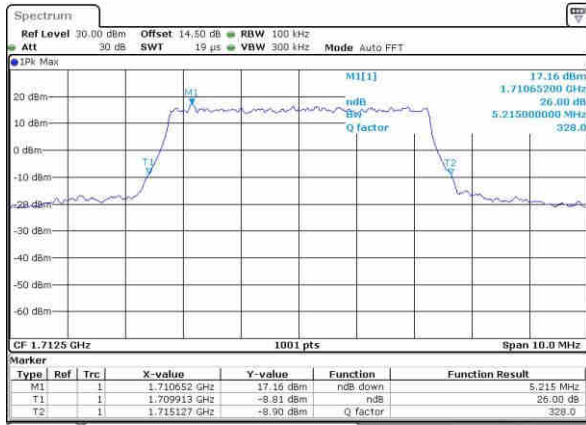
Highest Channel / 3MHz / 16QAM



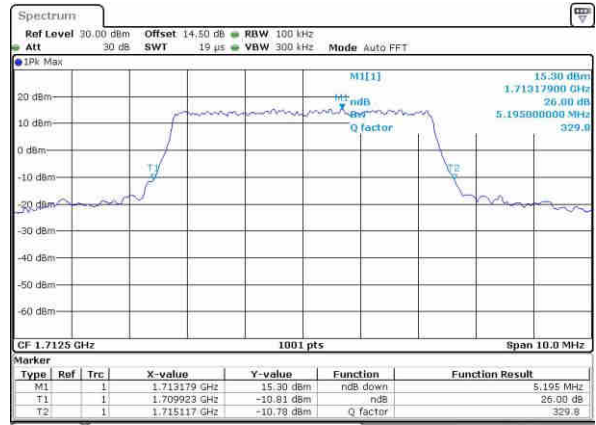


LTE Band 66

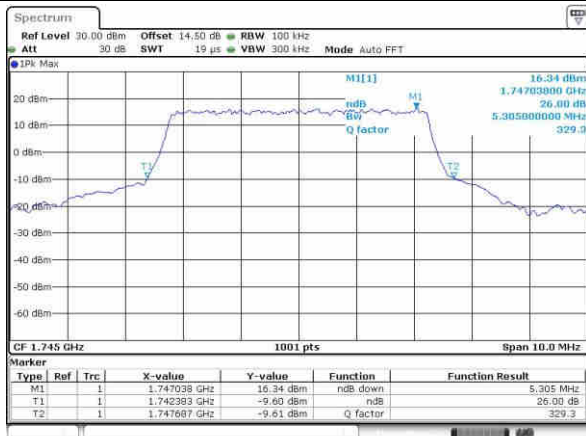
Lowest Channel / 5MHz / QPSK



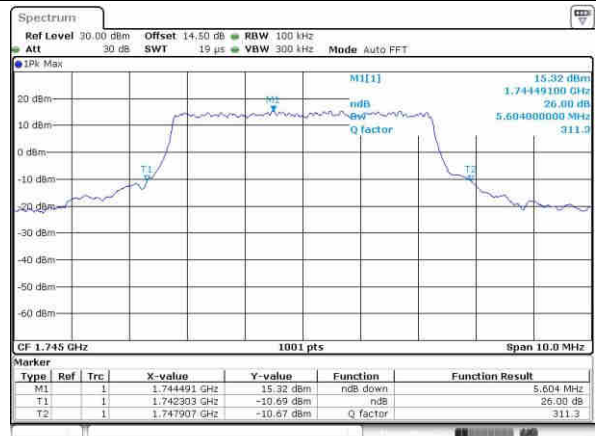
Lowest Channel / 5MHz / 16QAM



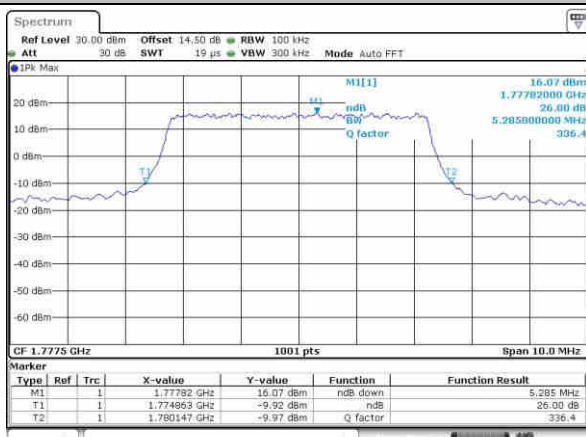
Middle Channel / 5MHz / QPSK



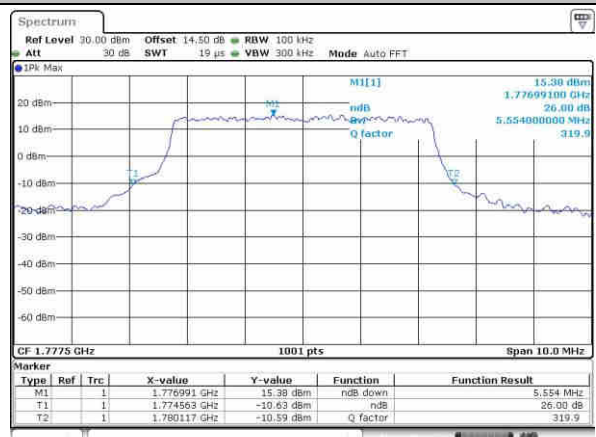
Middle Channel / 5MHz / 16QAM

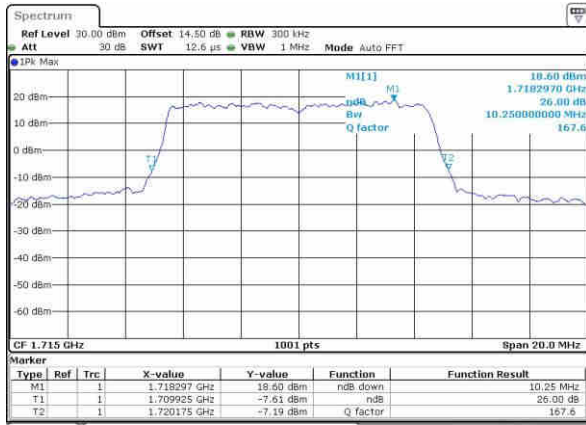
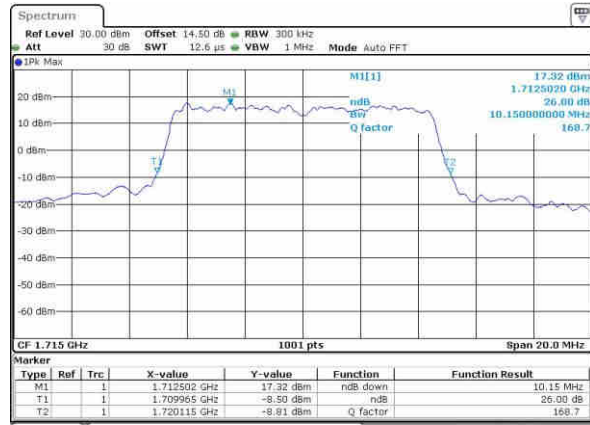
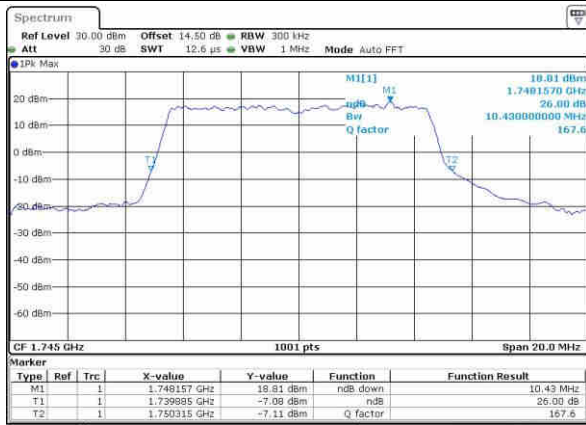
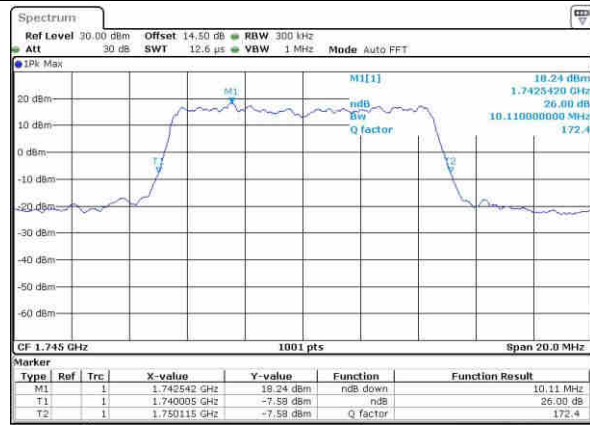
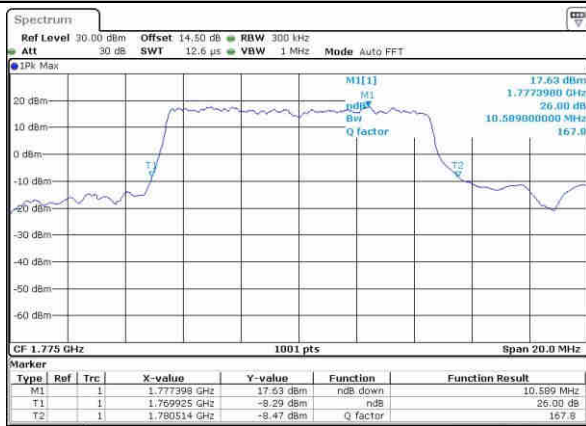
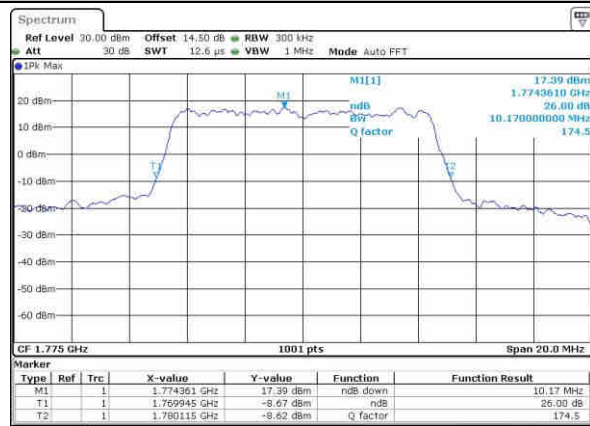


Highest Channel / 5MHz / QPSK



Highest Channel / 5MHz / 16QAM

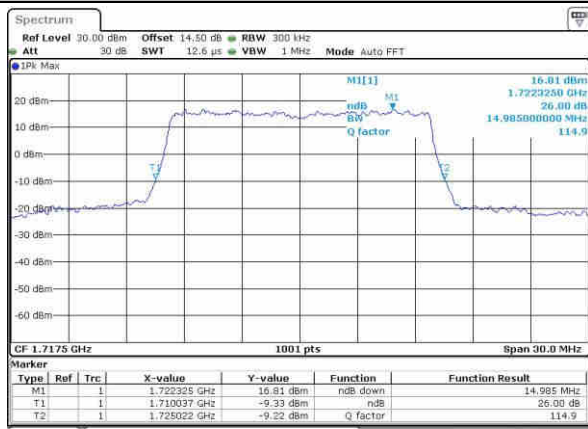


LTE Band 66
Lowest Channel / 10MHz / QPSK

Lowest Channel / 10MHz / 16QAM

Middle Channel / 10MHz / QPSK

Middle Channel / 10MHz / 16QAM

Highest Channel / 10MHz / QPSK

Highest Channel / 10MHz / 16QAM


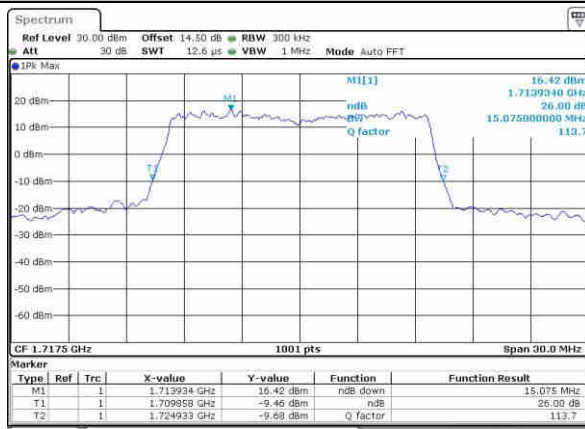


LTE Band 66

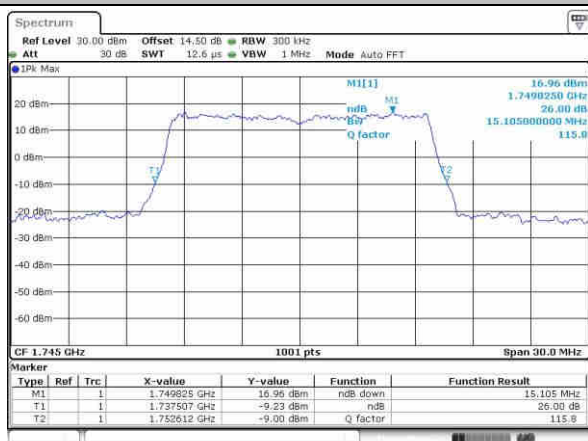
Lowest Channel / 15MHz / QPSK



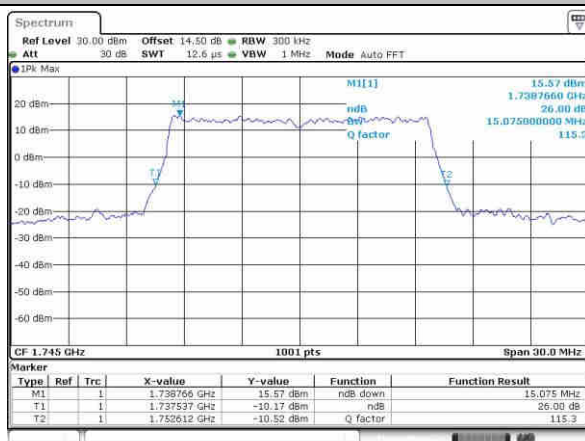
Lowest Channel / 15MHz / 16QAM



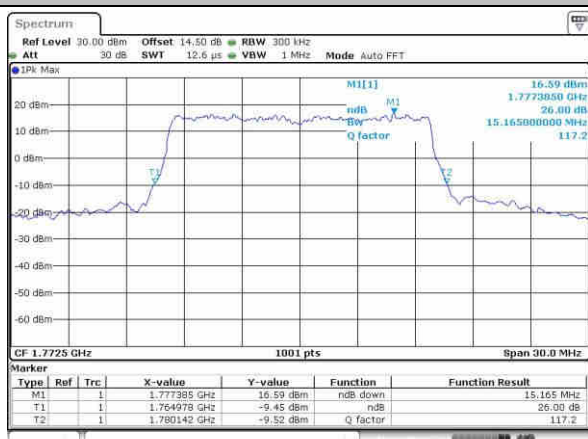
Middle Channel / 15MHz / QPSK



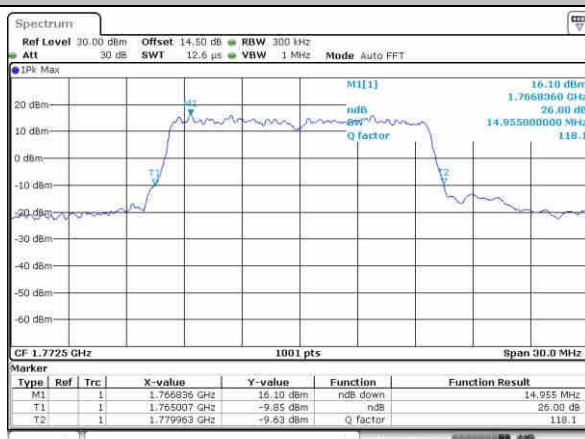
Middle Channel / 15MHz / 16QAM

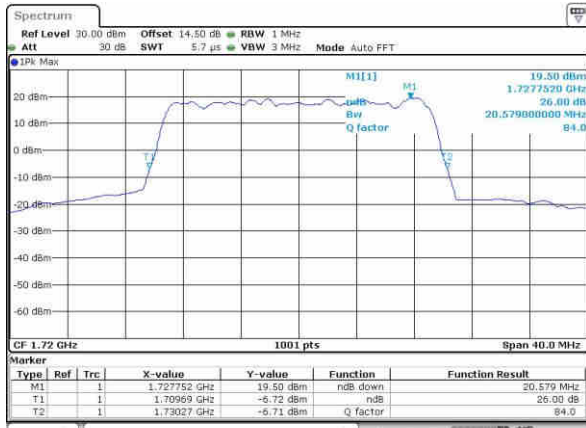
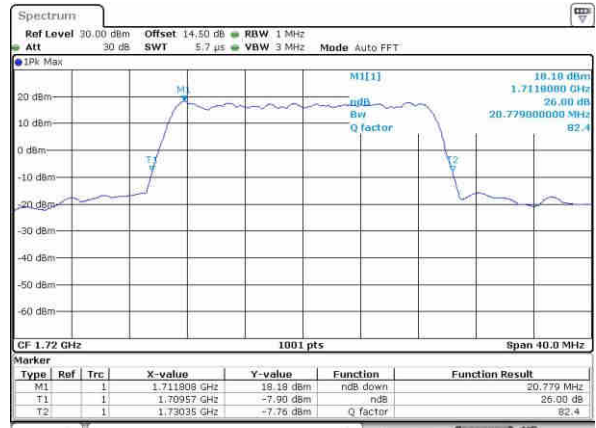
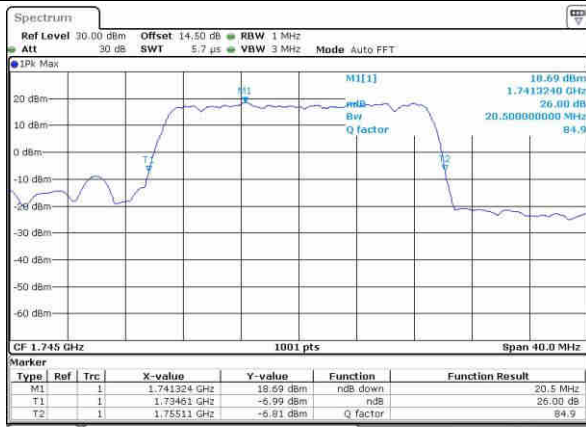
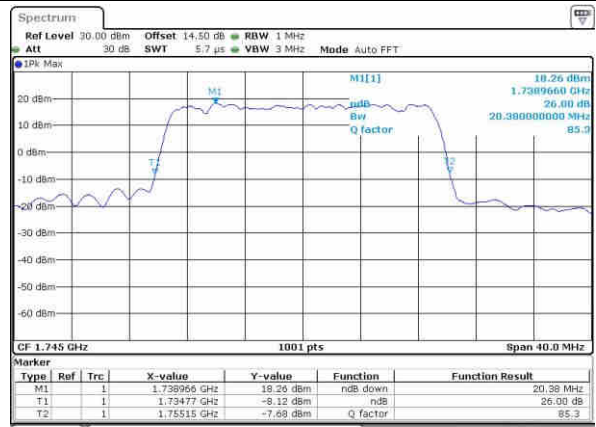
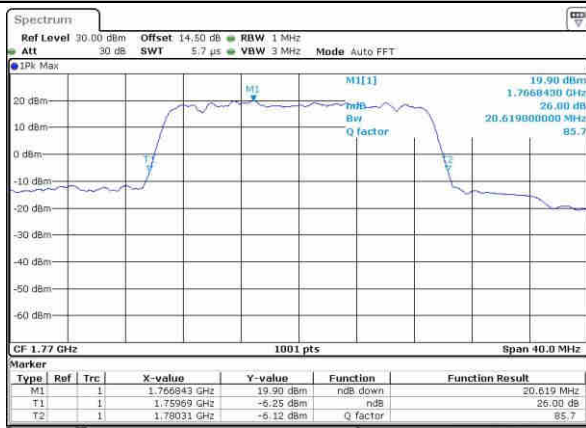
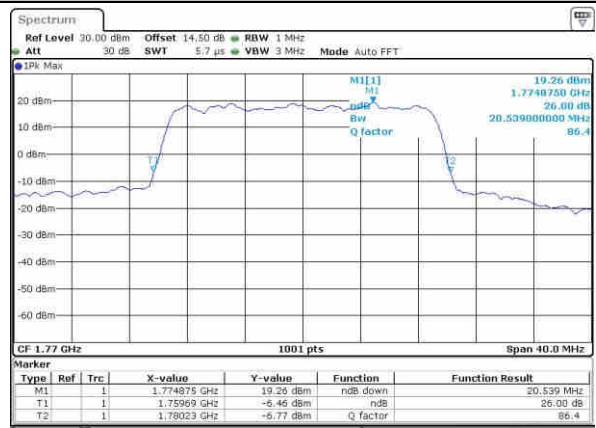


Highest Channel / 15MHz / QPSK



Highest Channel / 15MHz / 16QAM

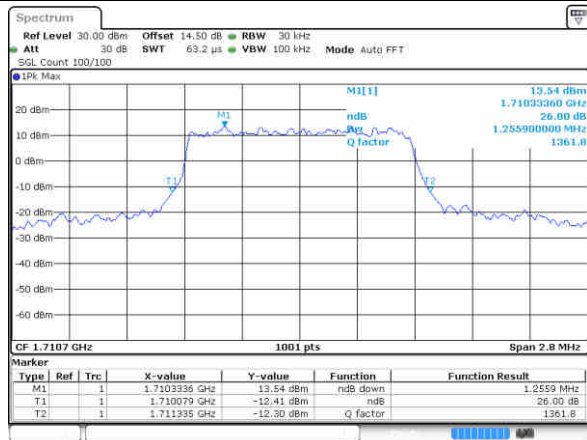


LTE Band 66
Lowest Channel / 20MHz / QPSK

Lowest Channel / 20MHz / 16QAM

Middle Channel / 20MHz / QPSK

Middle Channel / 20MHz / 16QAM

Highest Channel / 20MHz / QPSK

Highest Channel / 20MHz / 16QAM


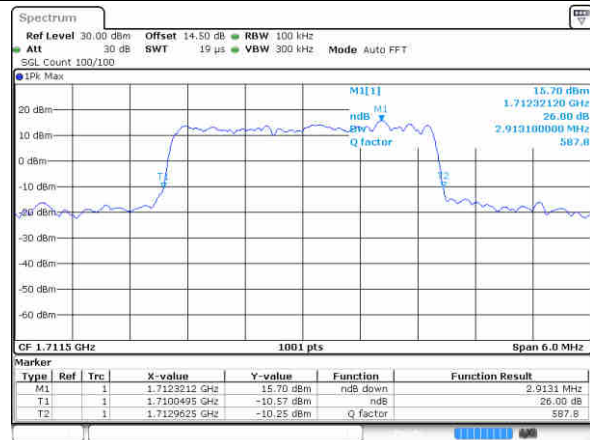


LTE Band 66

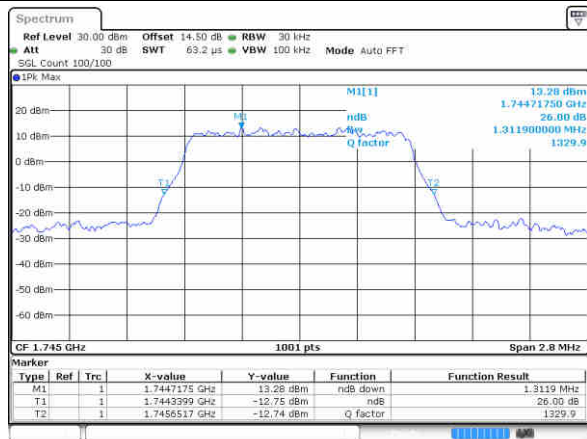
Lowest Channel / 1.4MHz / 64QAM



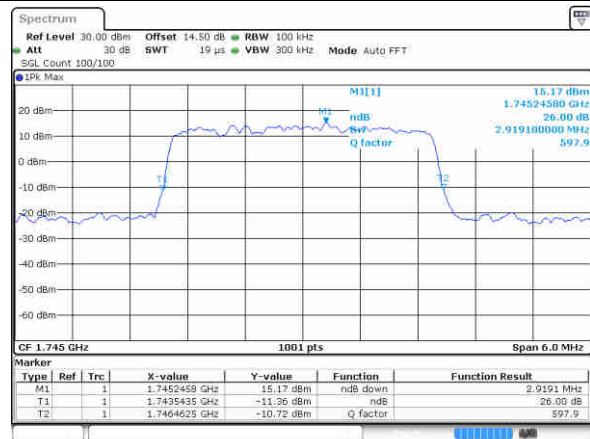
Lowest Channel / 3MHz / 64QAM



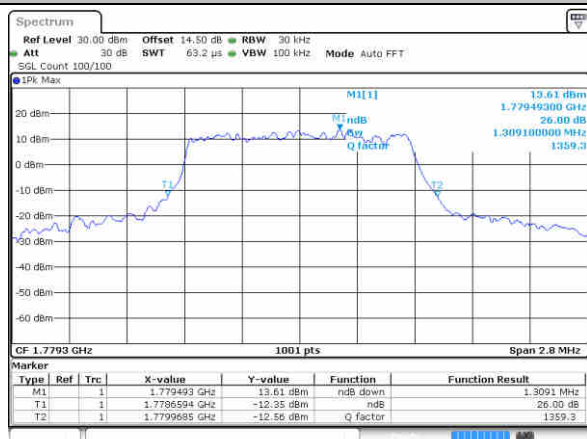
Middle Channel / 1.4MHz / 64QAM



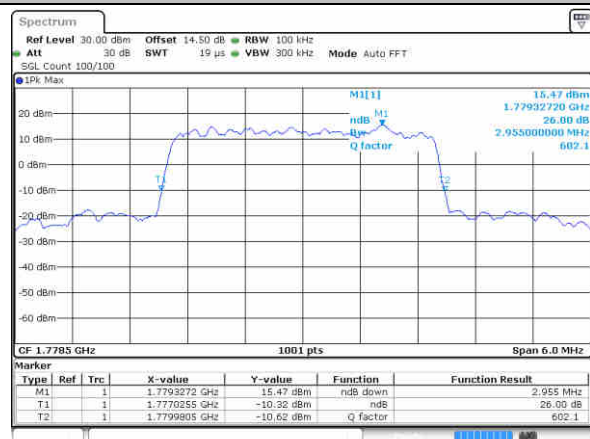
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM



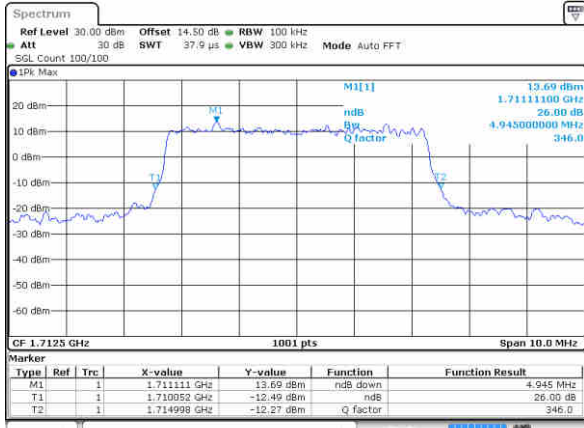
Highest Channel / 3MHz / 64QAM





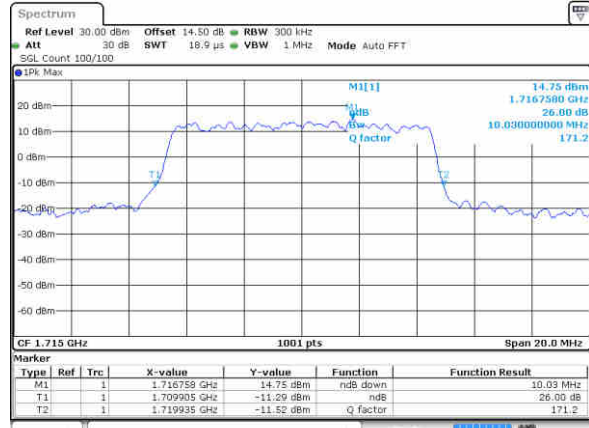
LTE Band 66

Lowest Channel / 5MHz / 64QAM



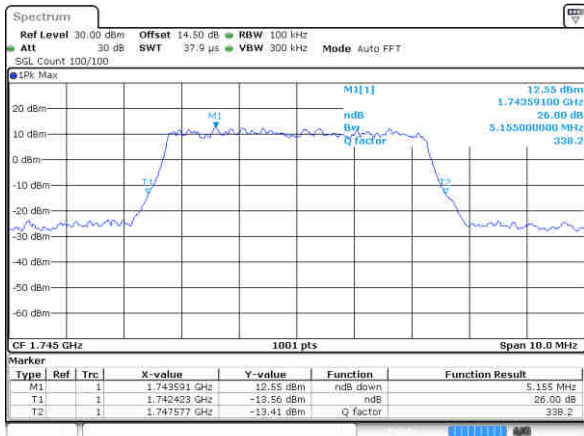
Date: 29 MAY 2019 16:51:23

Lowest Channel / 10MHz / 64QAM



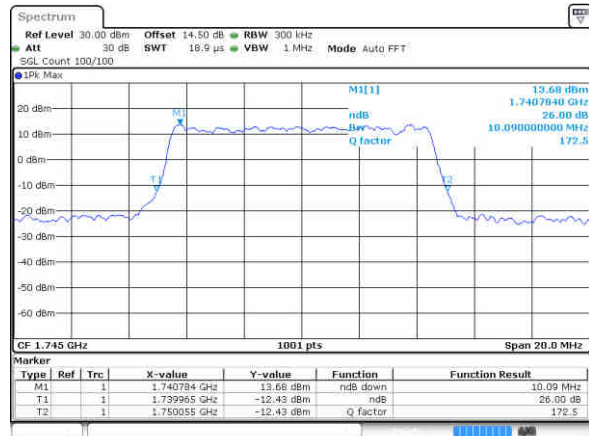
Date: 29 MAY 2019 17:06:09

Middle Channel / 5MHz / 64QAM



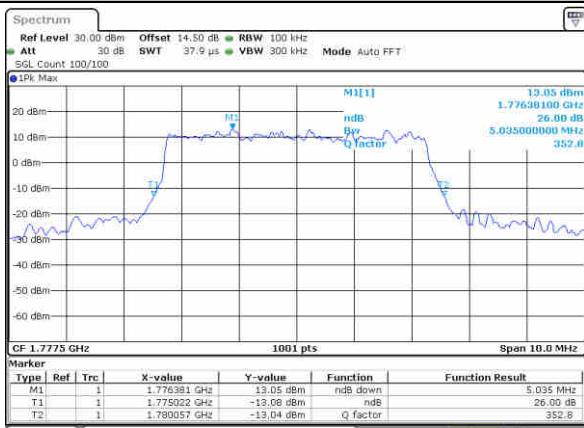
Date: 29 MAY 2019 16:53:16

Middle Channel / 10MHz / 64QAM



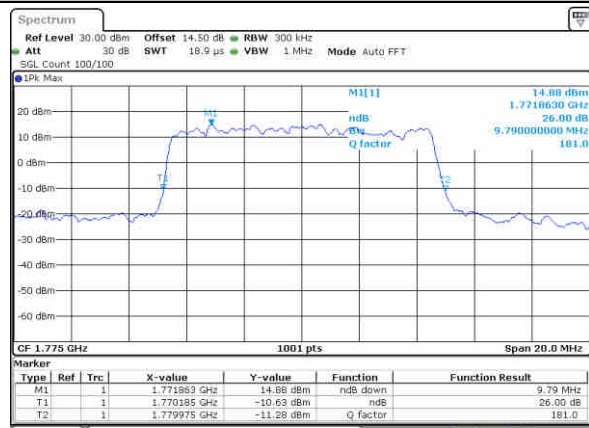
Date: 29 MAY 2019 17:06:55

Highest Channel / 5MHz / 64QAM



Date: 29 MAY 2019 16:58:19

Highest Channel / 10MHz / 64QAM

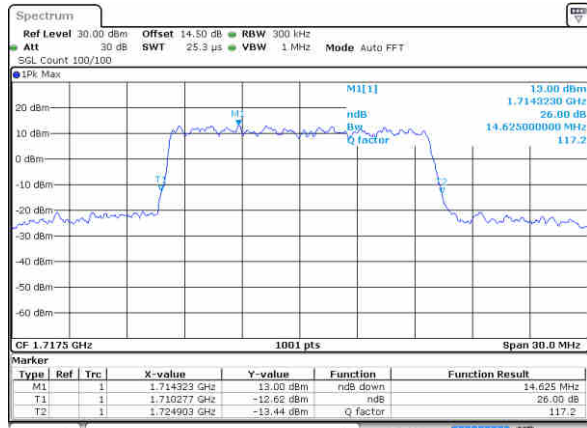


Date: 29 MAY 2019 17:10:50

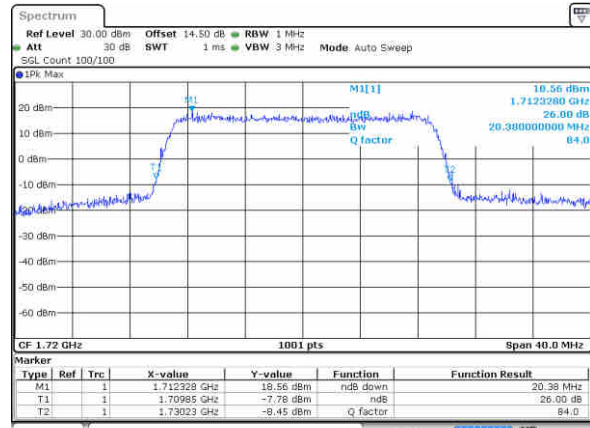


LTE Band 66

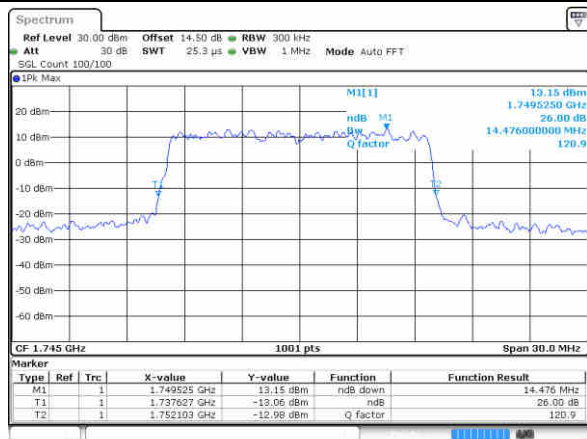
Lowest Channel / 15MHz / 64QAM



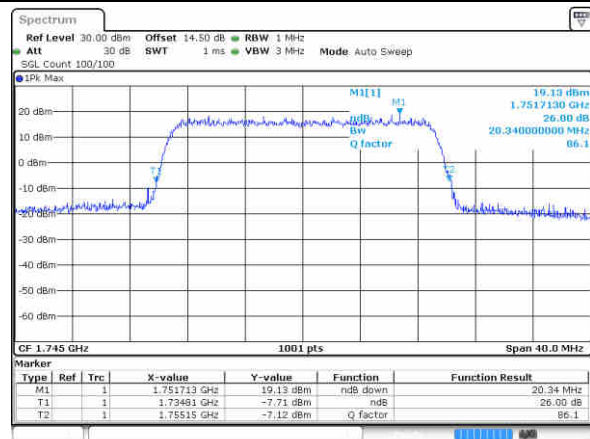
Lowest Channel / 20MHz / 64QAM



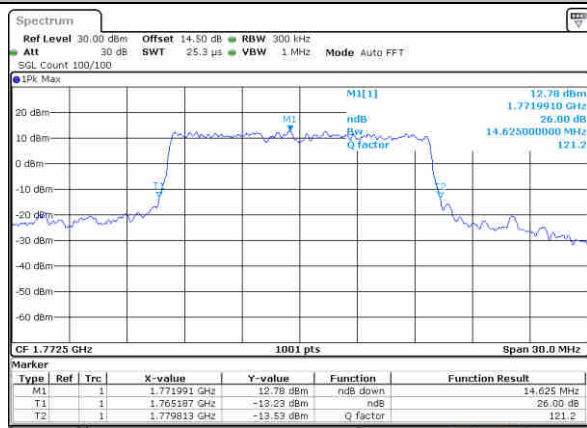
Middle Channel / 15MHz / 64QAM



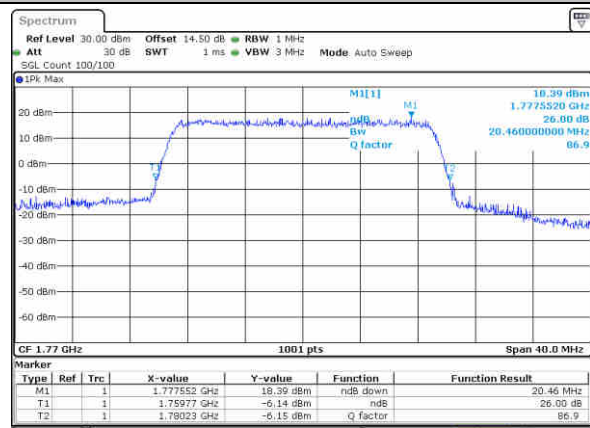
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



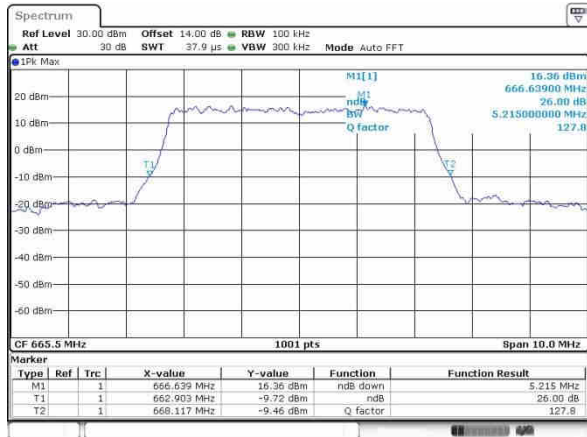
Highest Channel / 20MHz / 64QAM



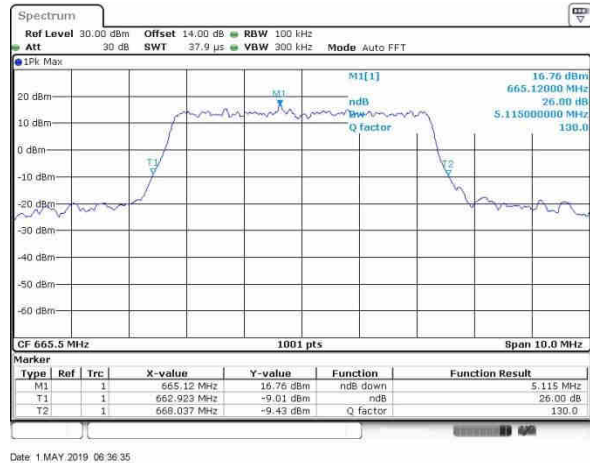


LTE Band 71

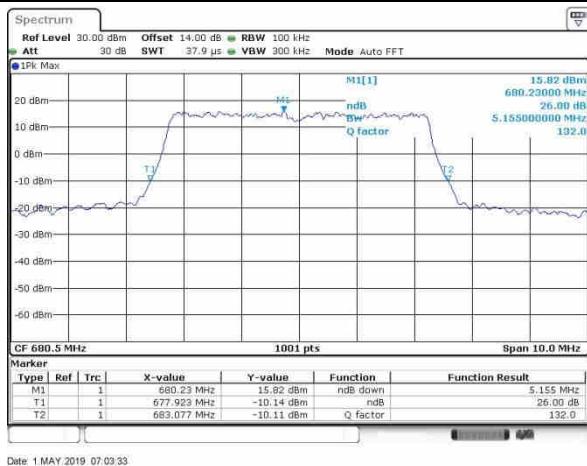
Lowest Channel / 5MHz / QPSK



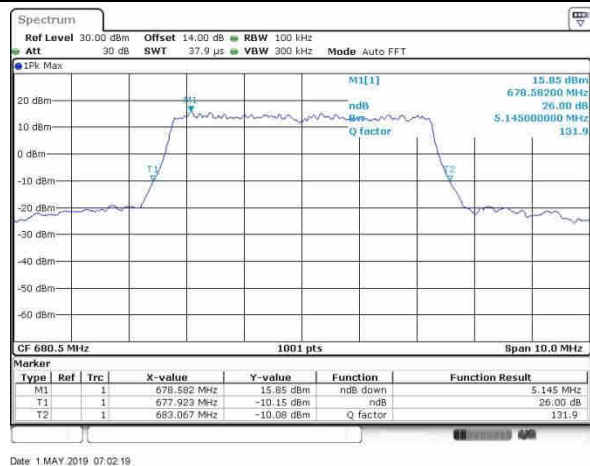
Lowest Channel / 5MHz / 16QAM



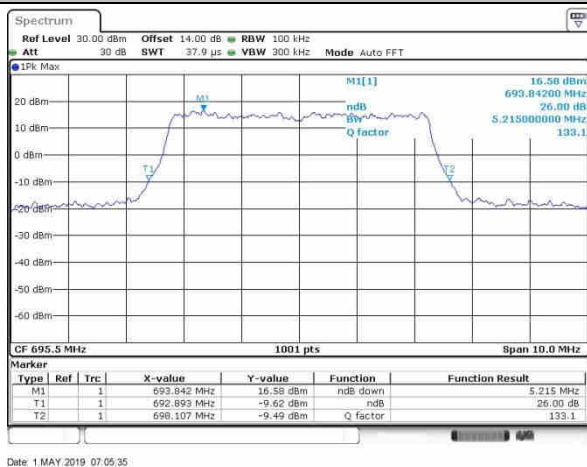
Middle Channel / 5MHz / QPSK



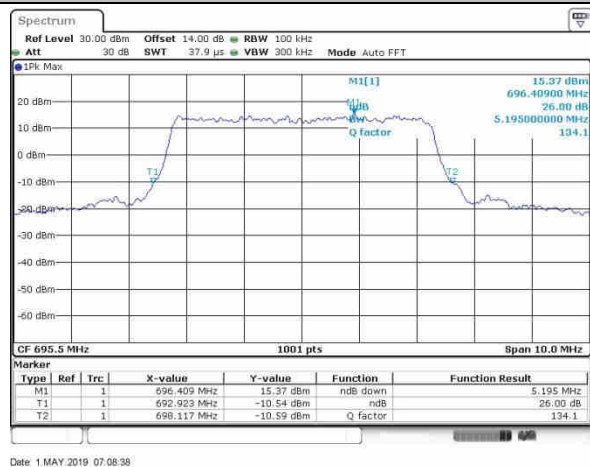
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



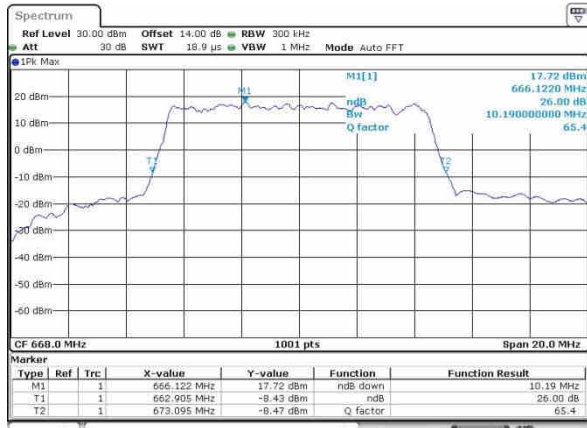
Highest Channel / 5MHz / 16QAM





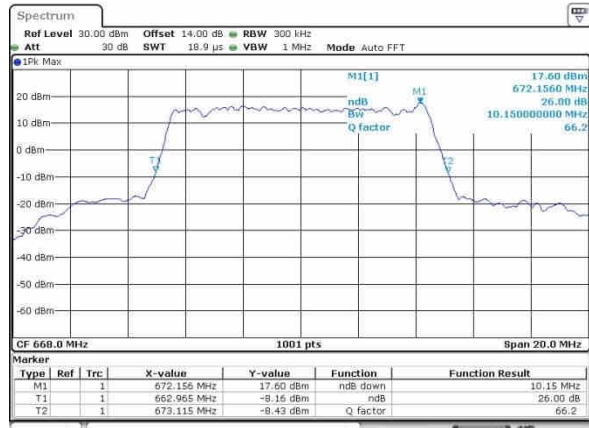
LTE Band 71

Lowest Channel / 10MHz / QPSK



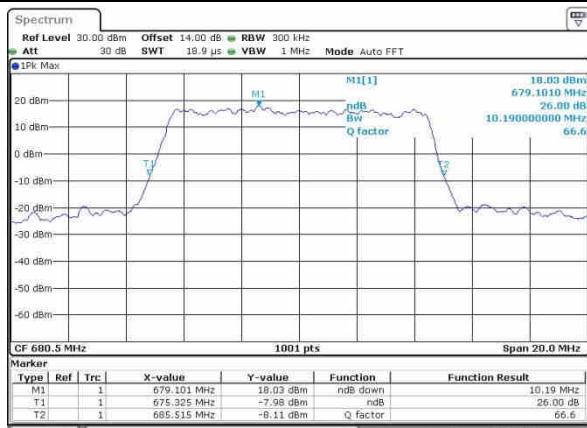
Date: 1 MAY 2019 07:30:43

Lowest Channel / 10MHz / 16QAM



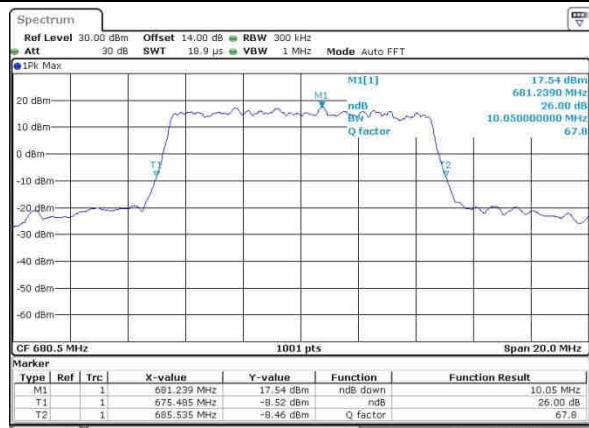
Date: 1 MAY 2019 07:32:31

Middle Channel / 10MHz / QPSK



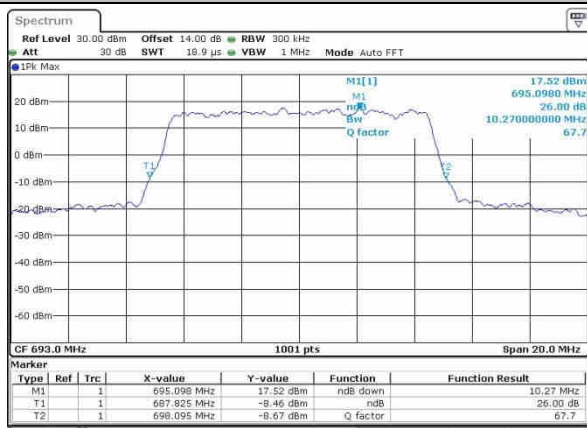
Date: 1 MAY 2019 07:41:22

Middle Channel / 10MHz / 16QAM



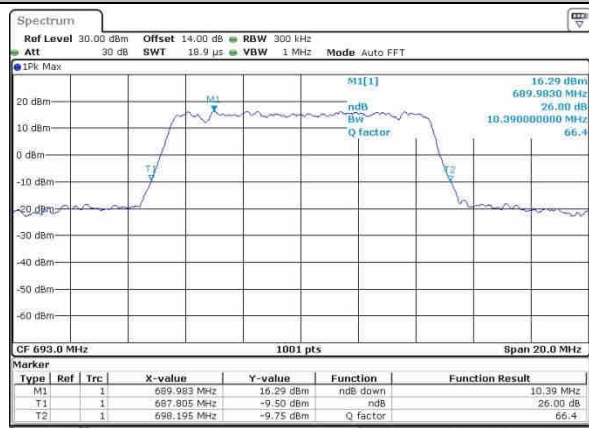
Date: 1 MAY 2019 07:39:54

Highest Channel / 10MHz / QPSK



Date: 1 MAY 2019 07:44:01

Highest Channel / 10MHz / 16QAM

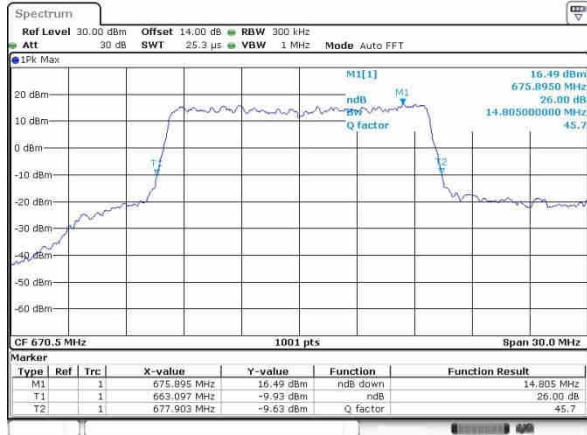


Date: 1 MAY 2019 07:45:45



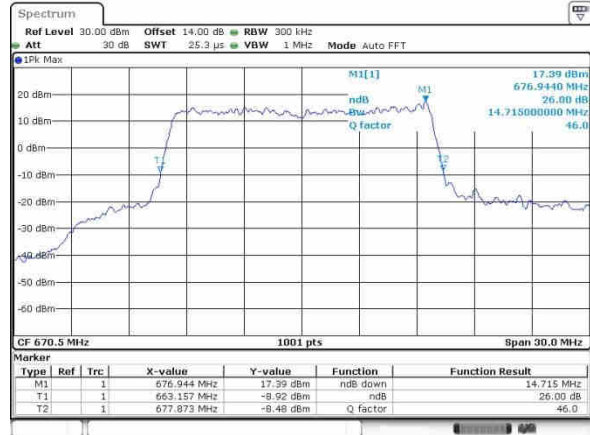
LTE Band 71

Lowest Channel / 15MHz / QPSK



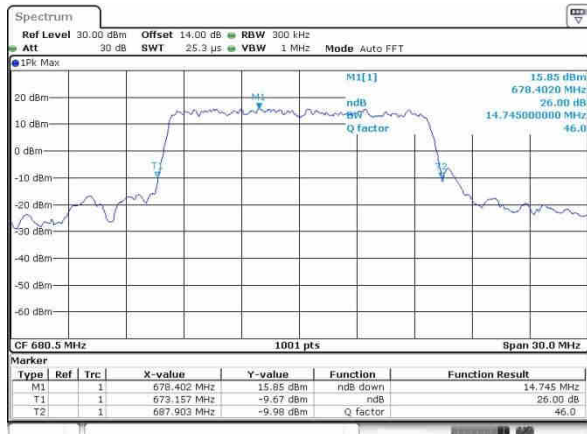
Date 1 MAY 2019 07:59:17

Lowest Channel / 15MHz / 16QAM



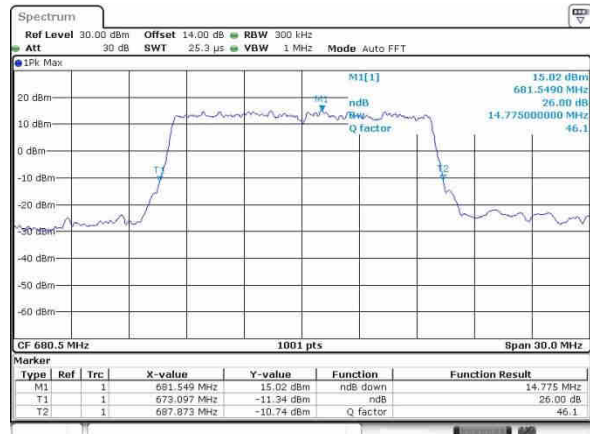
Date 1 MAY 2019 08:00:57

Middle Channel / 15MHz / QPSK



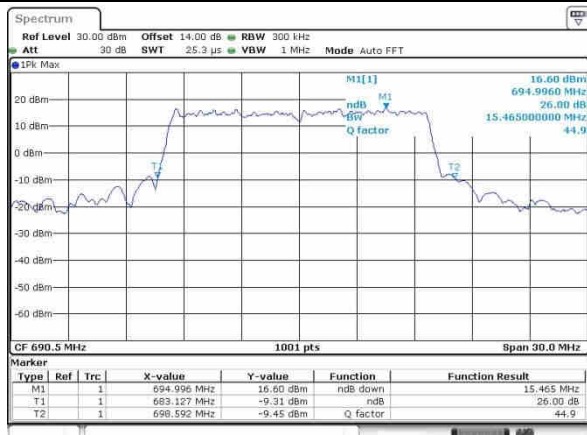
Date 1 MAY 2019 08:25:15

Middle Channel / 15MHz / 16QAM



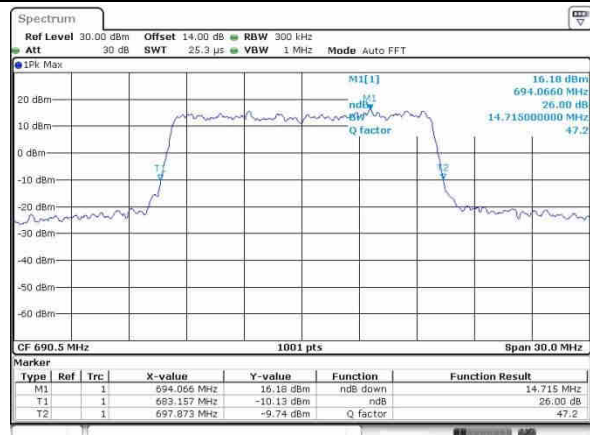
Date 1 MAY 2019 08:24:32

Highest Channel / 15MHz / QPSK



Date 1 MAY 2019 08:29:46

Highest Channel / 15MHz / 16QAM



Date 1 MAY 2019 08:31:21



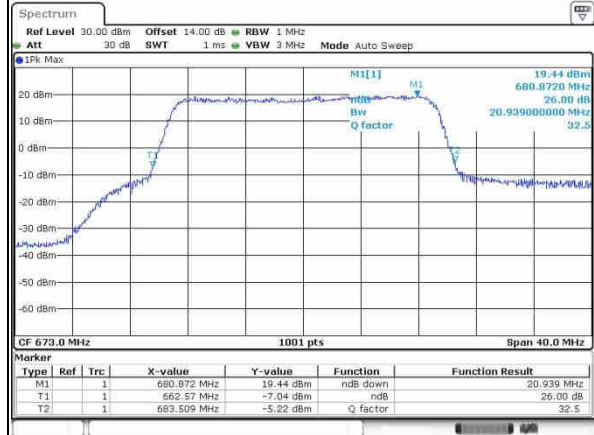
LTE Band 71

Lowest Channel / 20MHz / QPSK



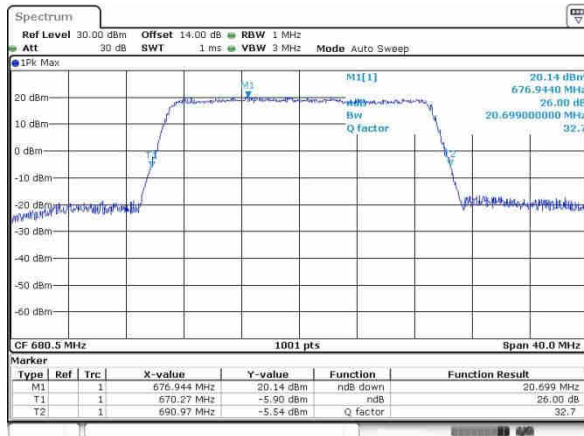
Date 1 MAY 2019 09:02:26

Lowest Channel / 20MHz / 16QAM



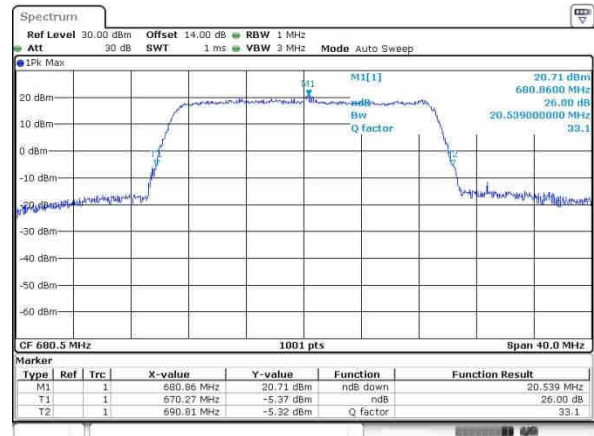
Date 1 MAY 2019 09:04:30

Middle Channel / 20MHz / QPSK



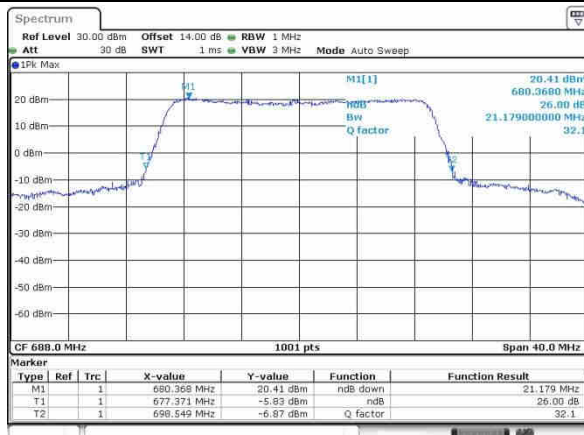
Date 1 MAY 2019 09:16:54

Middle Channel / 20MHz / 16QAM



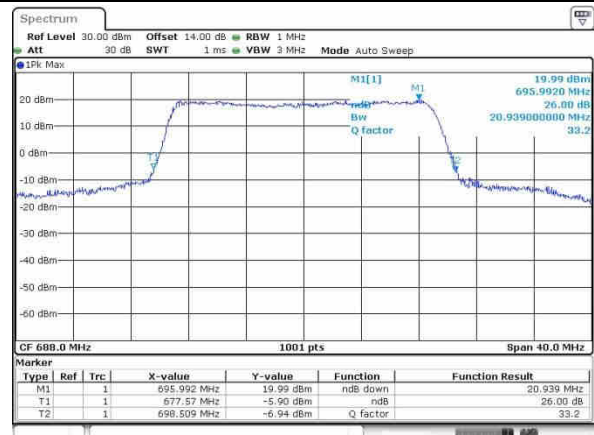
Date 1 MAY 2019 09:15:52

Highest Channel / 20MHz / QPSK



Date 1 MAY 2019 09:18:12

Highest Channel / 20MHz / 16QAM

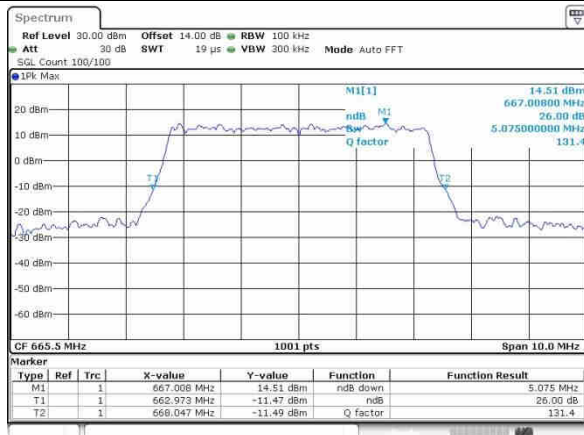


Date 1 MAY 2019 09:19:51



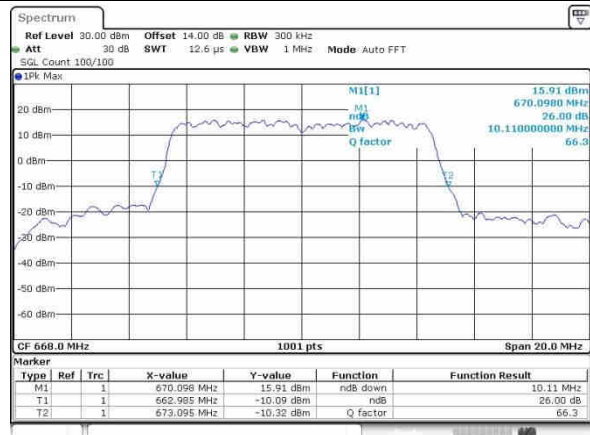
LTE Band 71

Lowest Channel / 5MHz / 64QAM



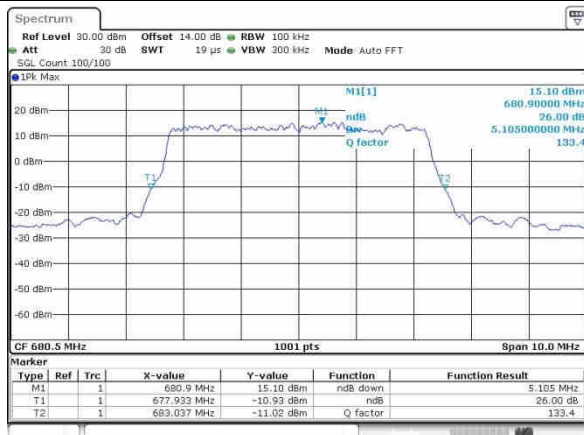
Date: 29.MAY.2019 20:44:32

Lowest Channel / 10MHz / 64QAM



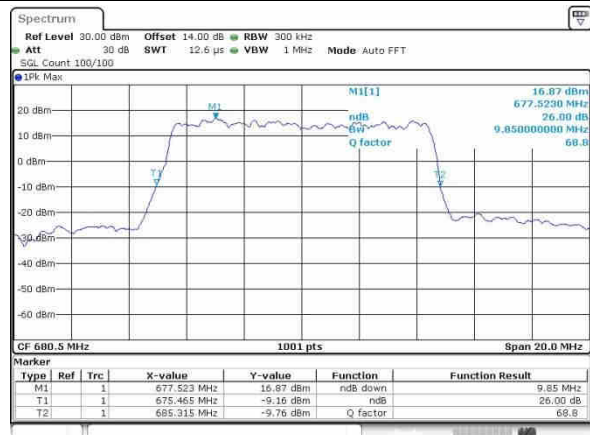
Date: 29.MAY.2019 21:19:48

Middle Channel / 5MHz / 64QAM



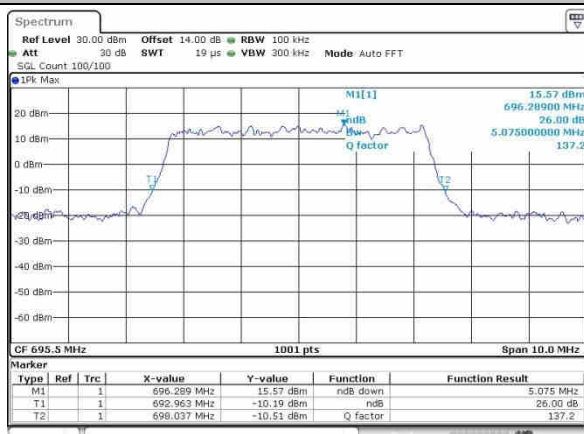
Date: 29.MAY.2019 20:56:27

Middle Channel / 10MHz / 64QAM



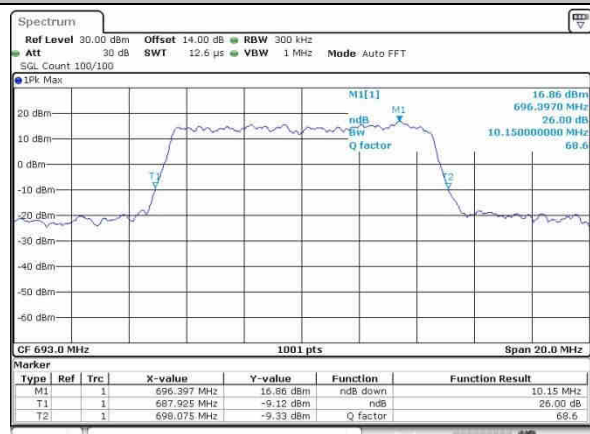
Date: 29.MAY.2019 21:27:35

Highest Channel / 5MHz / 64QAM



Date: 29.MAY.2019 20:58:05

Highest Channel / 10MHz / 64QAM

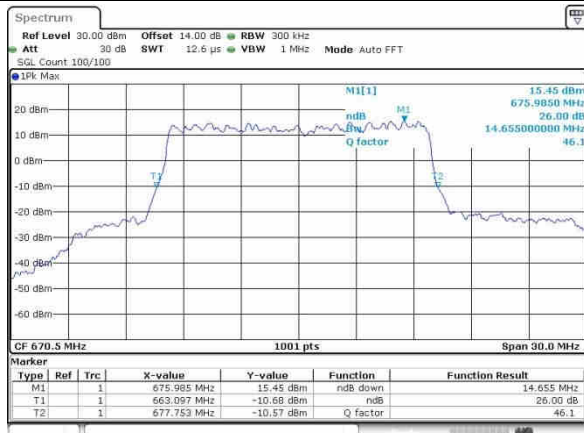


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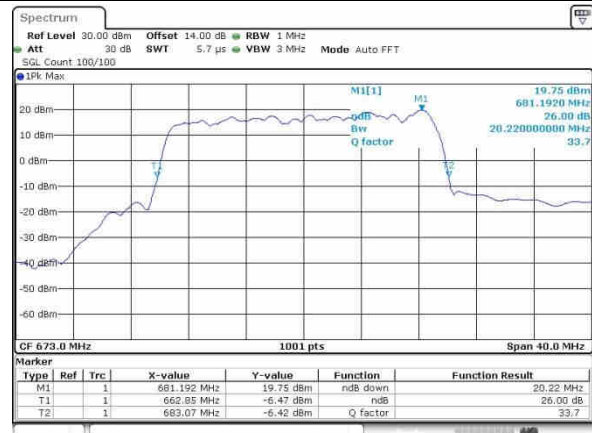


LTE Band 71

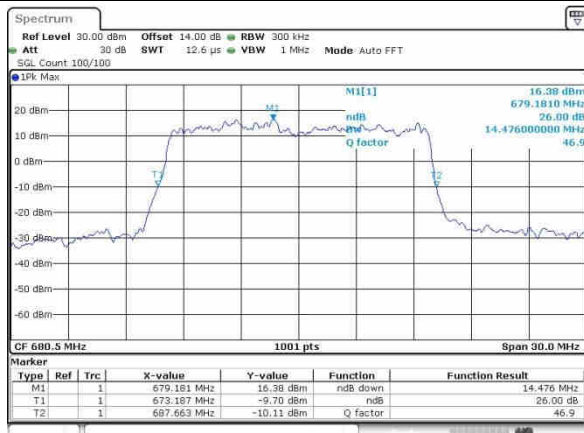
Lowest Channel / 15MHz / 64QAM



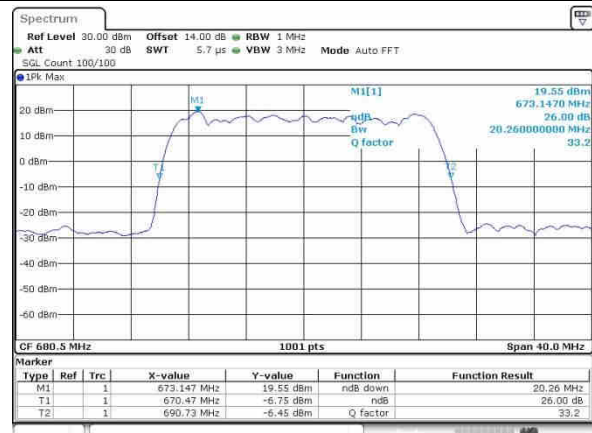
Lowest Channel / 20MHz / 64QAM



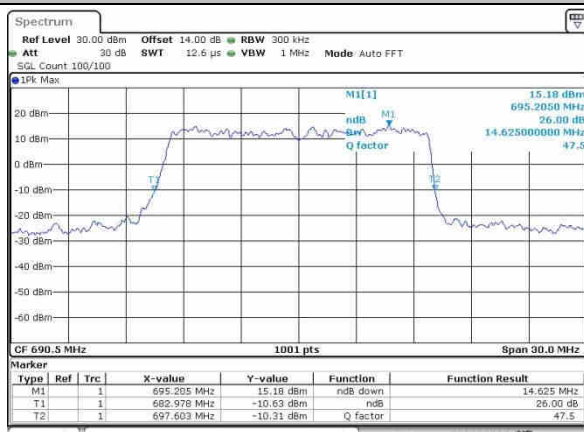
Middle Channel / 15MHz / 64QAM



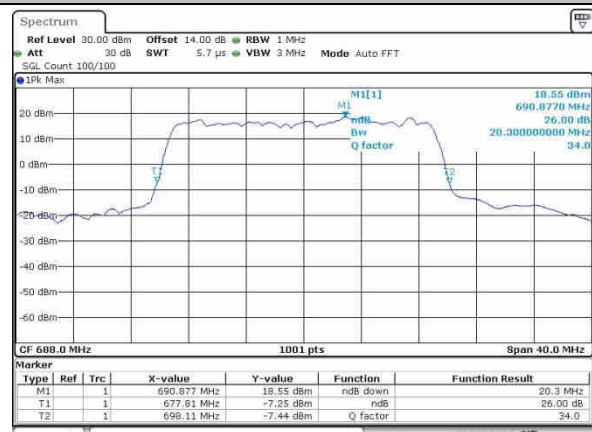
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



Highest Channel / 20MHz / 64QAM



**Occupied Bandwidth**

Mode	LTE Band 2 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.72	2.71	4.5	4.51	9.03	9.01	13.52	13.43	18.54	18.5
Middle CH	1.08	1.09	2.7	2.71	4.51	4.49	9.09	9.09	13.46	13.4	18.38	18.3
Highest CH	1.09	1.11	2.72	2.7	4.48	4.51	9.05	9.07	13.49	13.46	18.42	18.46
Mode	LTE Band 2 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.09		2.72		4.5		9.05		13.46		18.38	
Middle CH	1.1		2.72		4.48		8.95		13.43		18.42	
Highest CH	1.09		2.72		4.51		9.07		13.40		18.42	

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	1.1	2.72	2.72	4.51	4.51	9.05	9.03	13.49	13.49	18.26	18.42
Middle CH	1.09	1.1	2.71	2.72	4.51	4.49	9.09	9.03	13.52	13.49	18.3	18.38
Highest CH	1.09	1.09	2.71	2.7	4.5	4.48	9.09	9.01	13.43	13.43	18.38	18.26
Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.09		2.73		4.51		9.01		13.40		18.46	
Middle CH	1.09		2.70		4.5		9.05		13.49		18.46	
Highest CH	1.1		2.72		4.47		9.05		13.43		18.42	



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	2.72	2.72	4.50	4.50	8.99	9.03	1.09	2.72	4.49	9.07
Middle CH	1.09	1.10	2.71	2.71	4.48	4.49	9.11	9.03	1.1	2.72	4.51	9.05
Highest CH	1.09	1.09	2.70	2.70	4.48	4.51	9.05	9.03	1.1	2.72	4.48	9.05

Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		1.4MHz	3 MHz	5 MHz	10 MHz
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM	64QAM	64QAM
Lowest CH	1.09	1.1	2.7	2.7	4.5	4.51	9.11	9.07	1.09	2.73	4.5	9.03
Middle CH	1.09	1.1	2.72	2.7	4.5	4.5	9.05	9.11	1.09	2.72	4.51	9.05
Highest CH	1.1	1.09	2.73	2.69	4.49	4.49	9.01	9.03	1.08	2.72	4.53	9.07

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	4.52	-	-	-	-	-	-
Middle CH	-	-	-	-	4.5	4.49	8.99	9.05	-	-	-	-
Highest CH	-	-	-	-	4.54	4.51	-	-	-	-	-	-
Mode	LTE Band 13 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH					4.5							
Middle CH					4.5		9.05					
Highest CH					4.5							



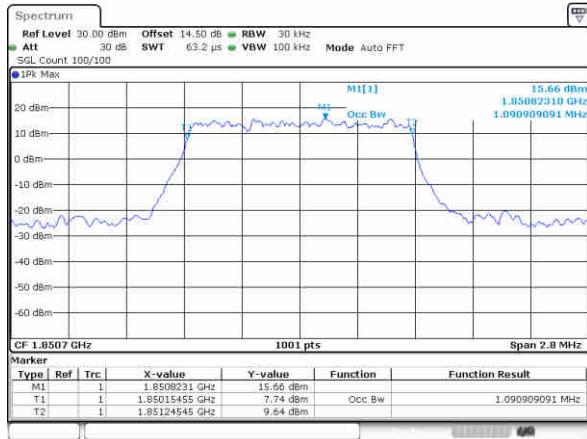
Mode	LTE Band 66 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.71	2.7	4.52	4.51	9.11	9.05	13.52	13.49	18.42	18.42
Middle CH	1.08	1.1	2.7	2.72	4.52	4.52	9.07	9.01	13.55	13.49	18.38	18.46
Highest CH	1.09	1.11	2.73	2.72	4.52	4.51	9.13	9.03	13.52	13.49	18.38	18.38
Mode	LTE Band 66 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.1		2.73		4.52		9.09		13.46		18.50	
Middle CH	1.09		2.72		4.51		9.07		13.46		18.46	
Highest CH	1.1		2.72		4.51		9.03		13.43		18.38	

Mode	LTE Band 71 : 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	4.5	9.09	9.05	13.49	13.52	18.5	18.54
Middle CH	-	-	-	-	4.52	4.54	9.09	9.09	13.49	13.49	18.46	18.38
Highest CH	-	-	-	-	4.52	4.54	9.05	9.07	13.49	13.52	18.58	18.54
Mode	LTE Band 71 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.5	-	9.07	-	13.49	-	18.34	-
Middle CH	-	-	-	-	4.53	-	9.05	-	13.40	-	18.54	-
Highest CH	-	-	-	-	4.5	-	9.07	-	13.49	-	18.58	-

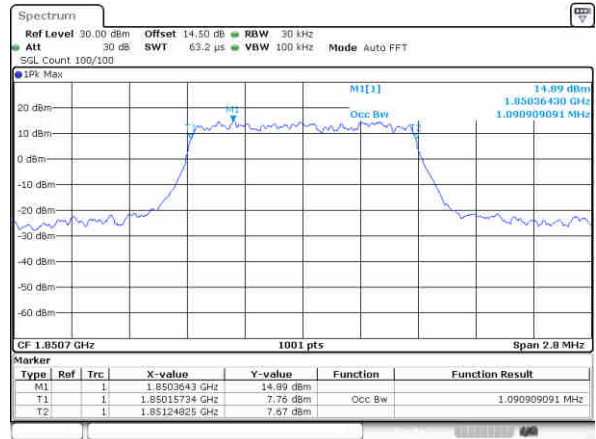


LTE Band 2

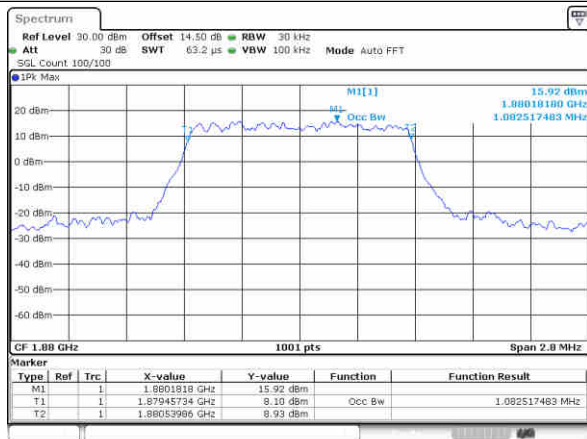
Lowest Channel / 1.4MHz / QPSK



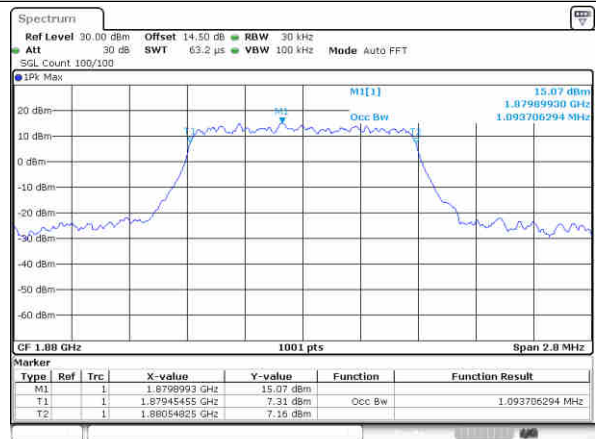
Lowest Channel / 1.4MHz / 16QAM



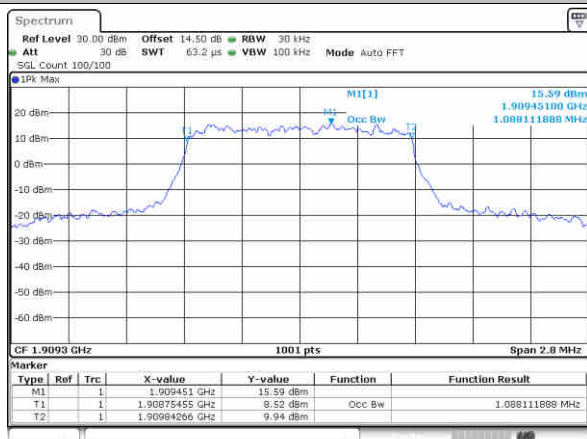
Middle Channel / 1.4MHz / QPSK



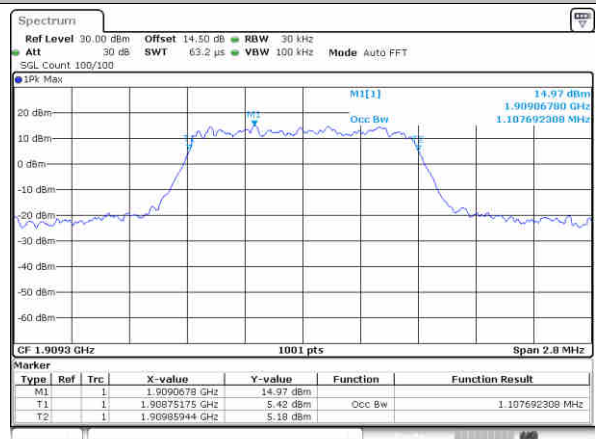
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



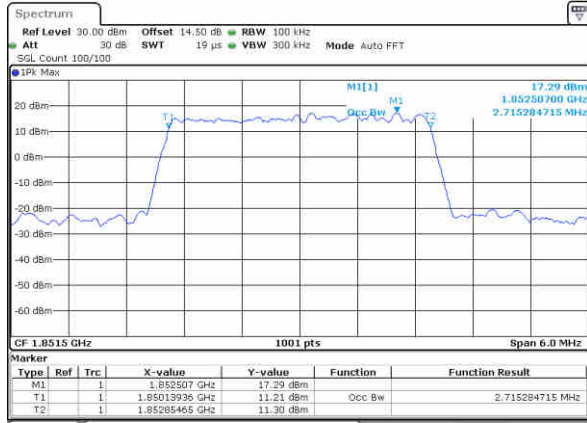
Highest Channel / 1.4MHz / 16QAM



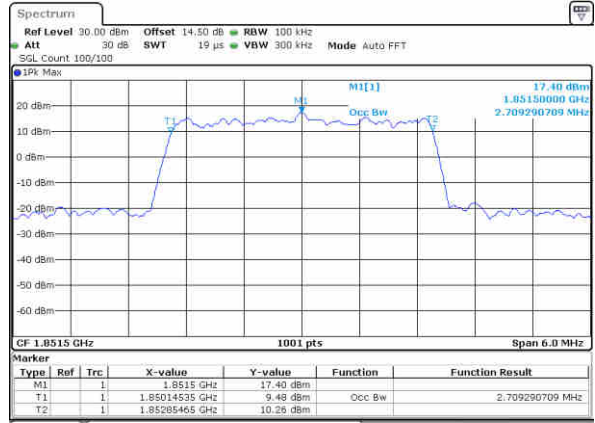


LTE Band 2

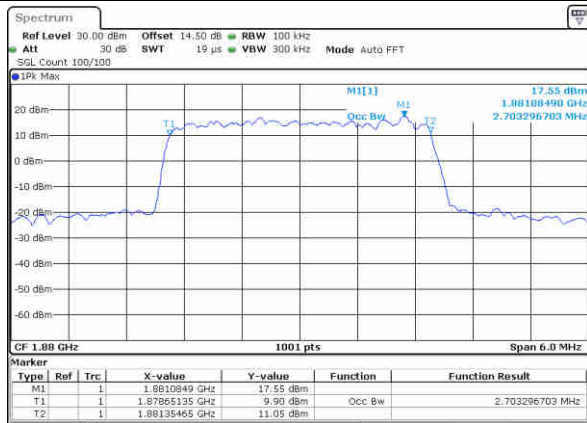
Lowest Channel / 3MHz / QPSK



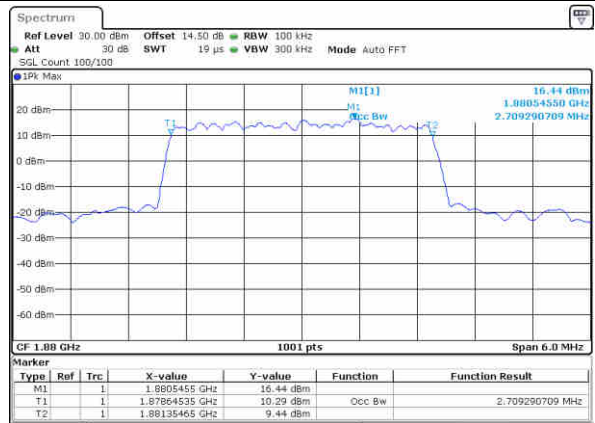
Lowest Channel / 3MHz / 16QAM



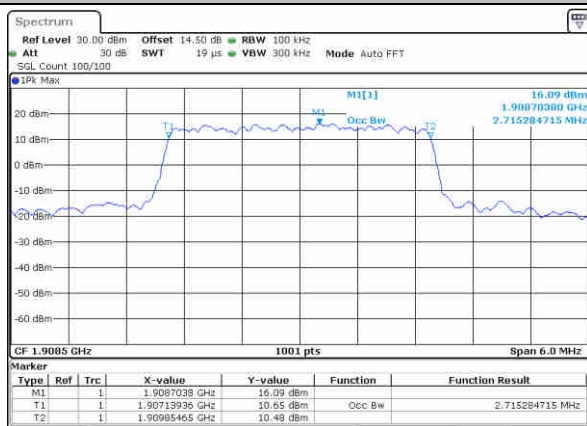
Middle Channel / 3MHz / QPSK



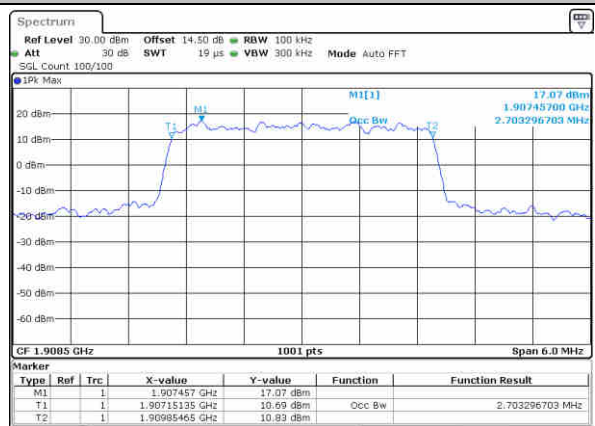
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



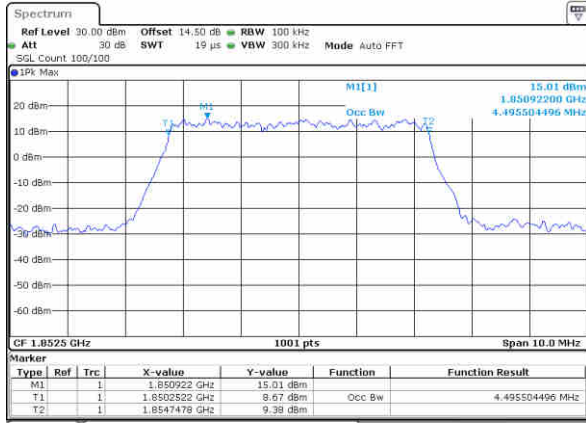
Highest Channel / 3MHz / 16QAM



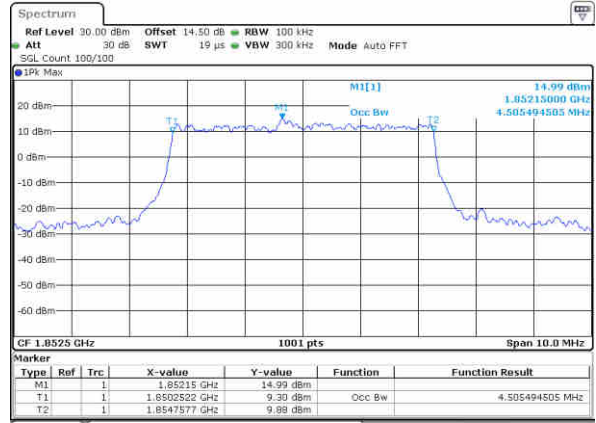


LTE Band 2

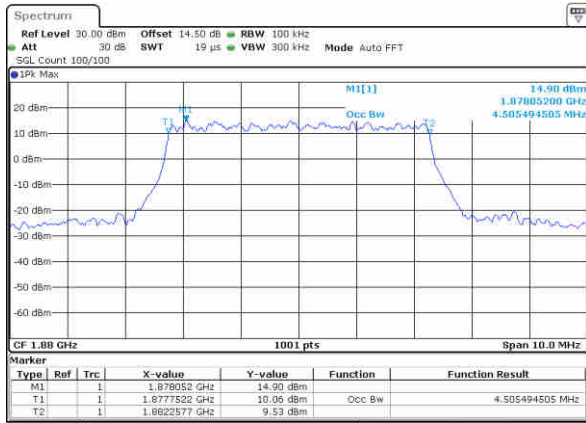
Lowest Channel / 5MHz / QPSK



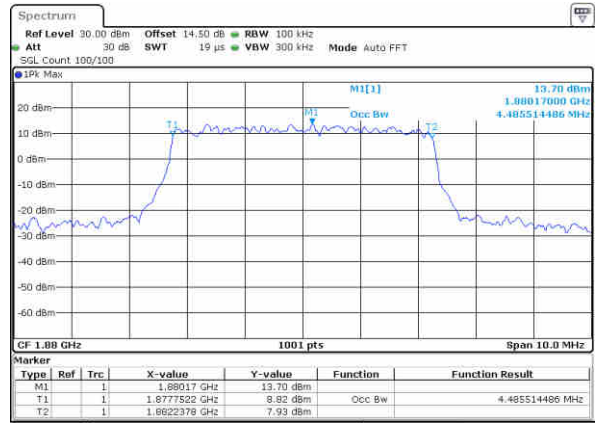
Lowest Channel / 5MHz / 16QAM



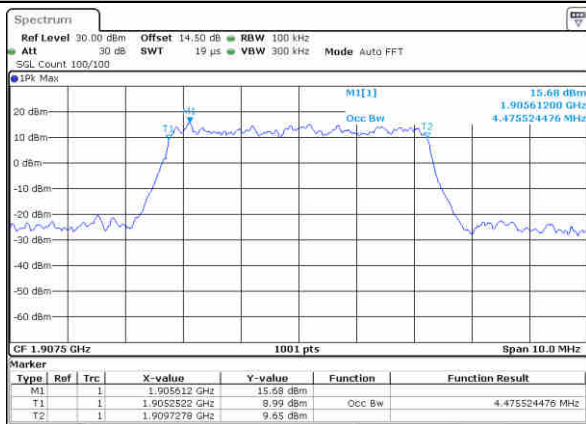
Middle Channel / 5MHz / QPSK



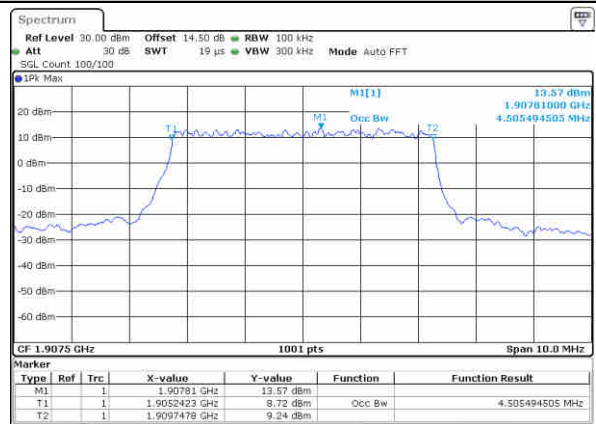
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



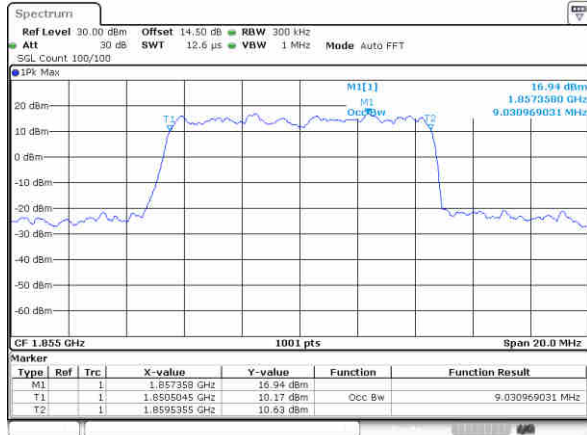
Highest Channel / 5MHz / 16QAM



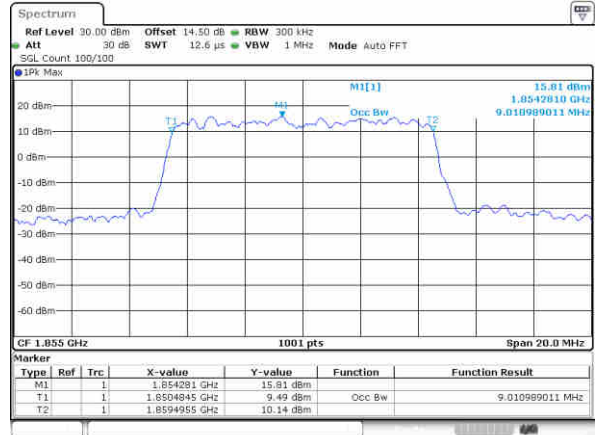


LTE Band 2

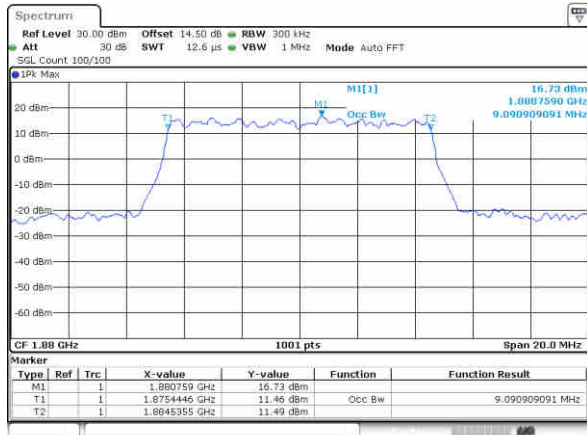
Lowest Channel / 10MHz / QPSK



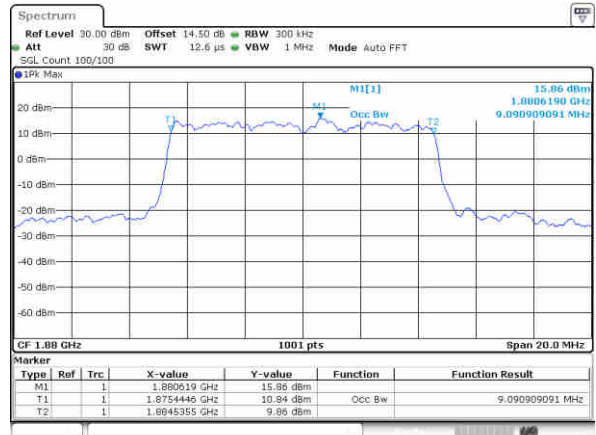
Lowest Channel / 10MHz / 16QAM



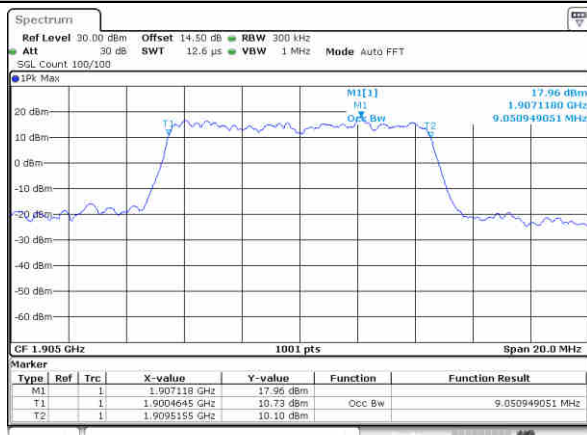
Middle Channel / 10MHz / QPSK



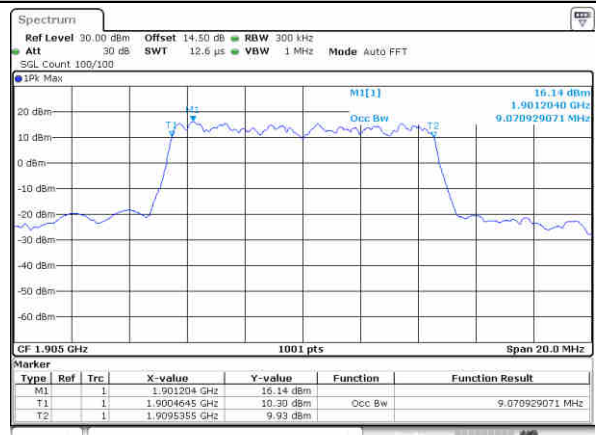
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



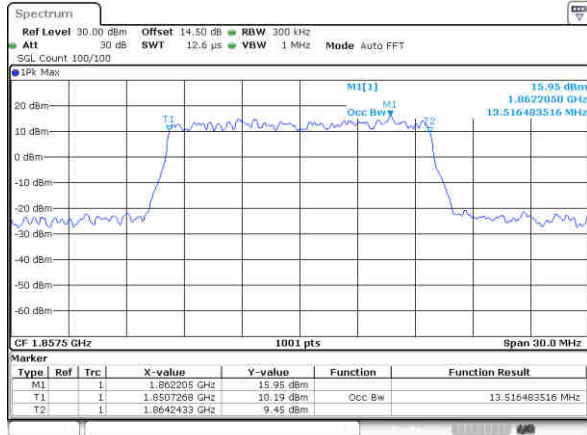
Highest Channel / 10MHz / 16QAM



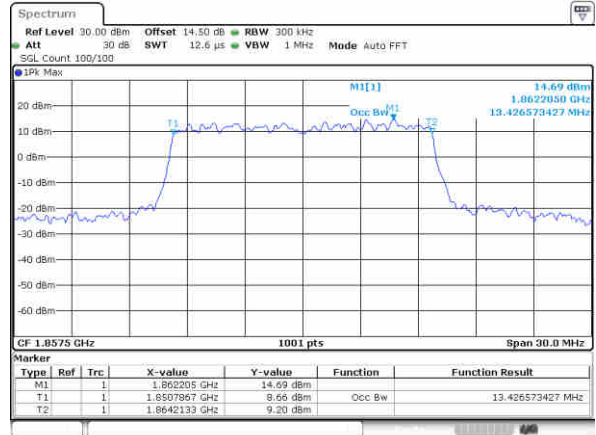


LTE Band 2

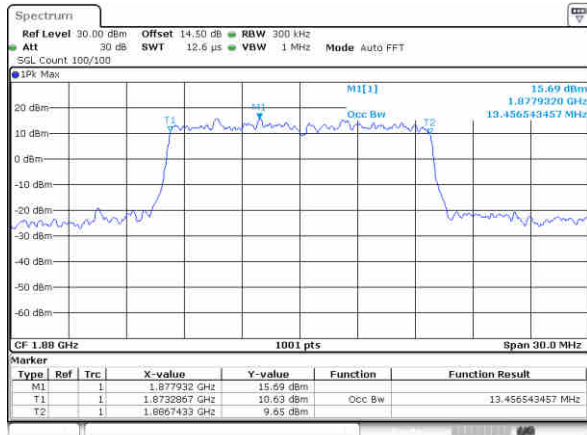
Lowest Channel / 15MHz / QPSK



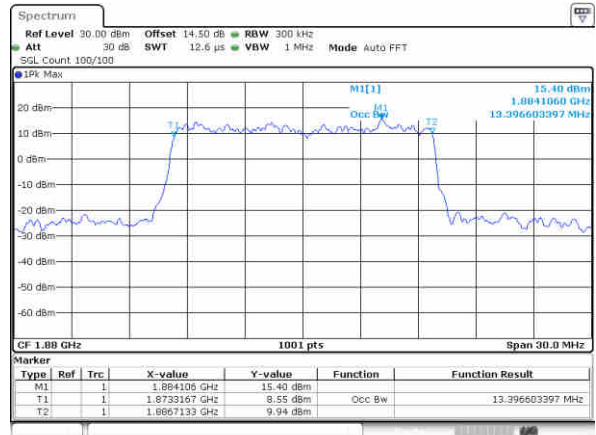
Lowest Channel / 15MHz / 16QAM



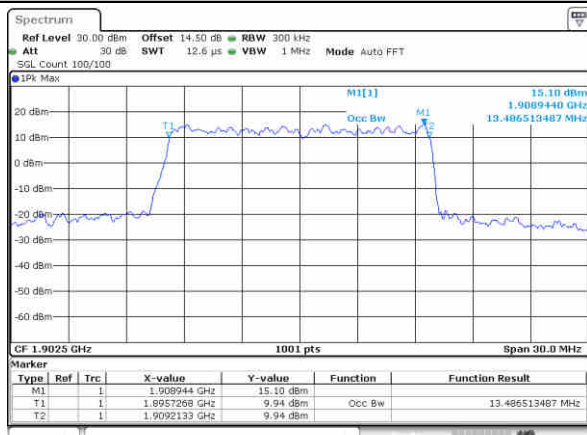
Middle Channel / 15MHz / QPSK



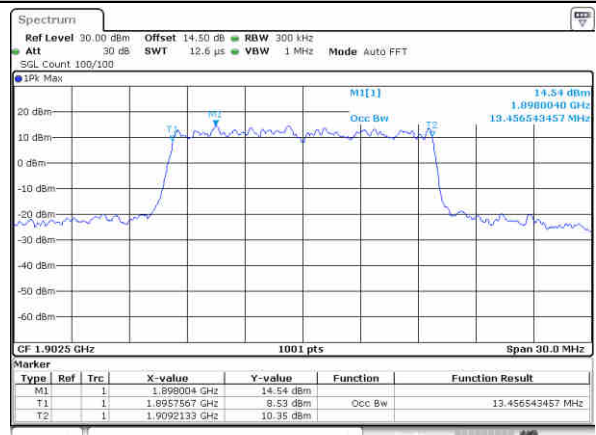
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



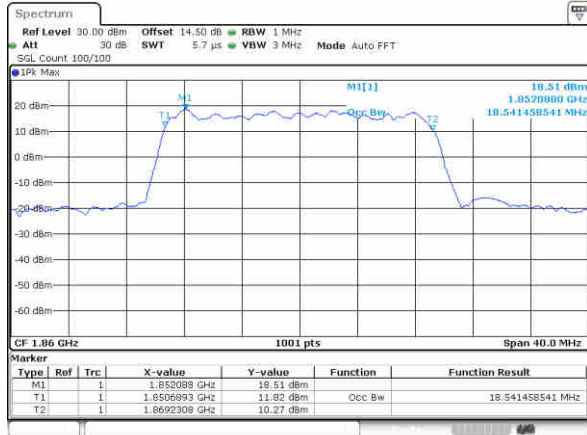
Highest Channel / 15MHz / 16QAM



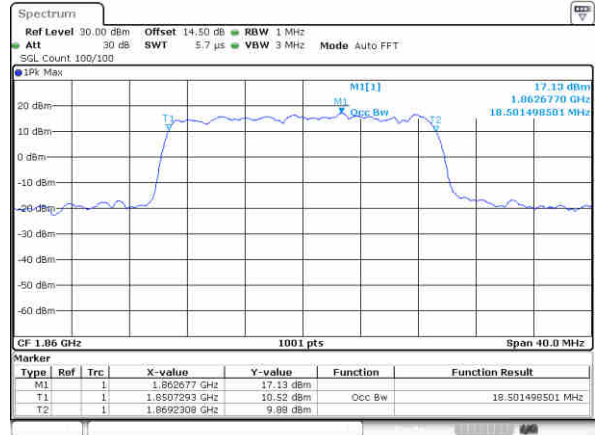


LTE Band 2

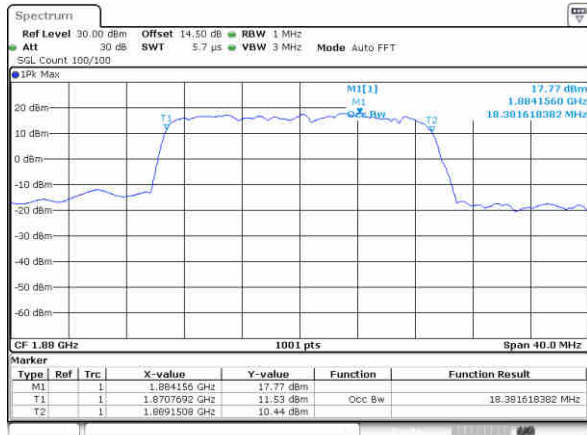
Lowest Channel / 20MHz / QPSK



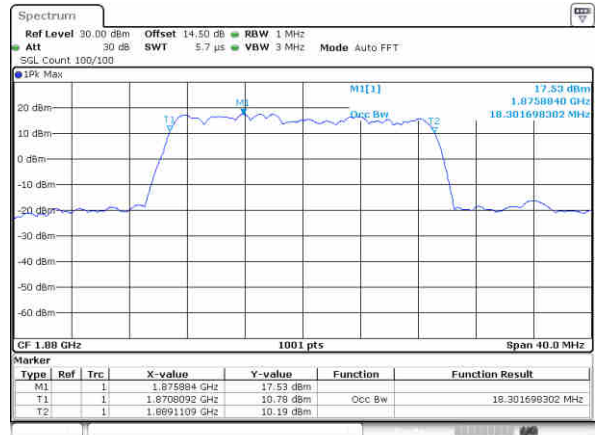
Lowest Channel / 20MHz / 16QAM



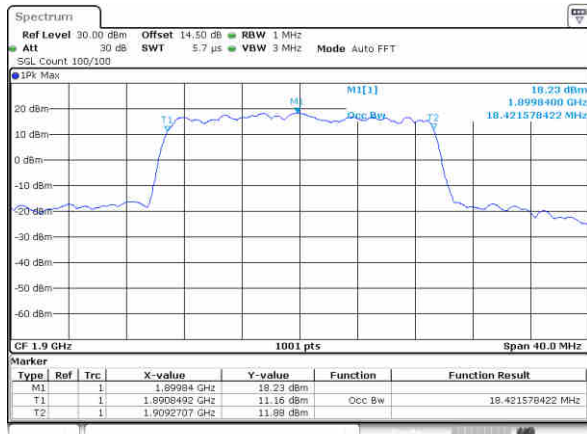
Middle Channel / 20MHz / QPSK



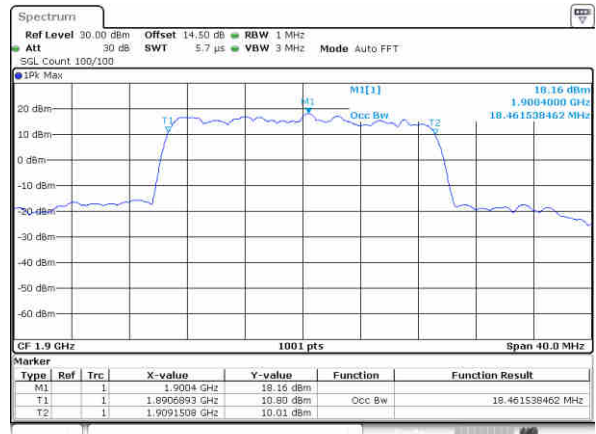
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



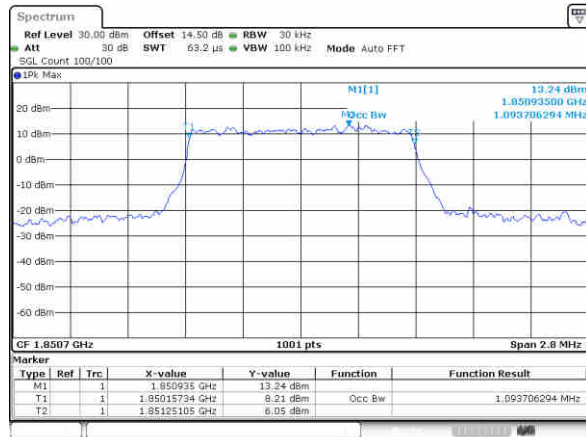
Highest Channel / 20MHz / 16QAM



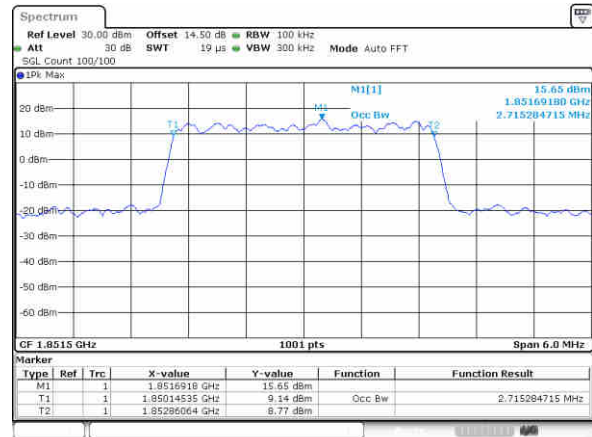


LTE Band 2

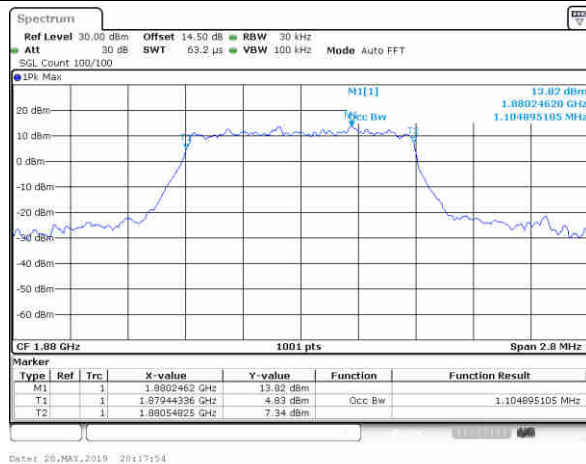
Lowest Channel / 1.4MHz / 64QAM



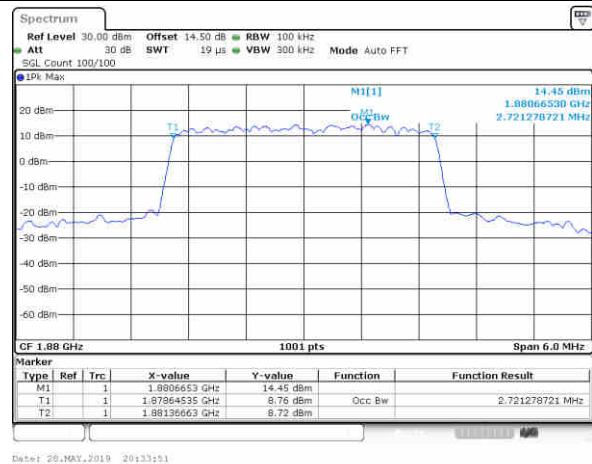
Lowest Channel / 3MHz / 64QAM



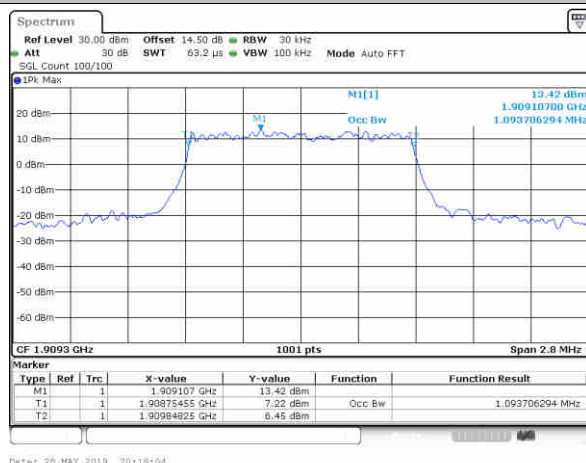
Middle Channel / 1.4MHz / 64QAM



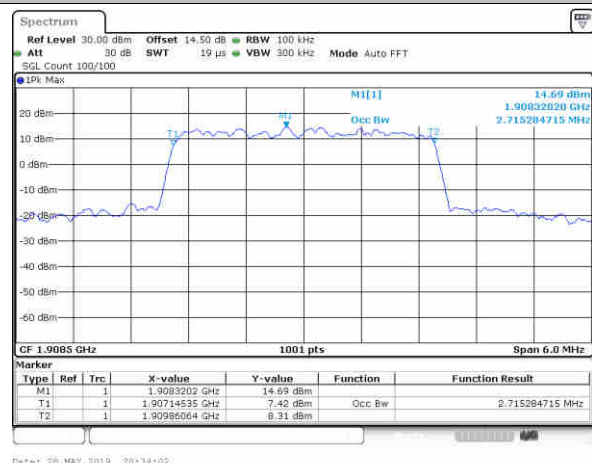
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM



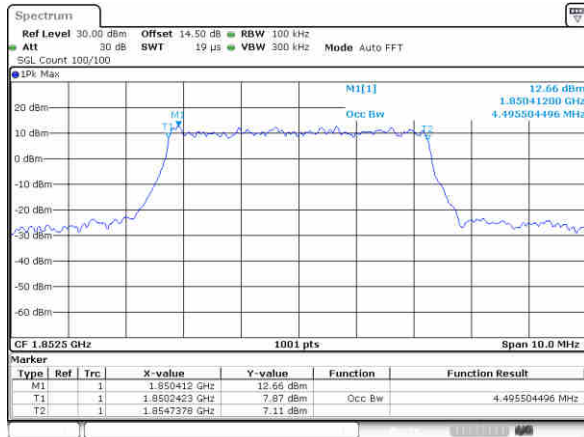
Highest Channel / 3MHz / 64QAM



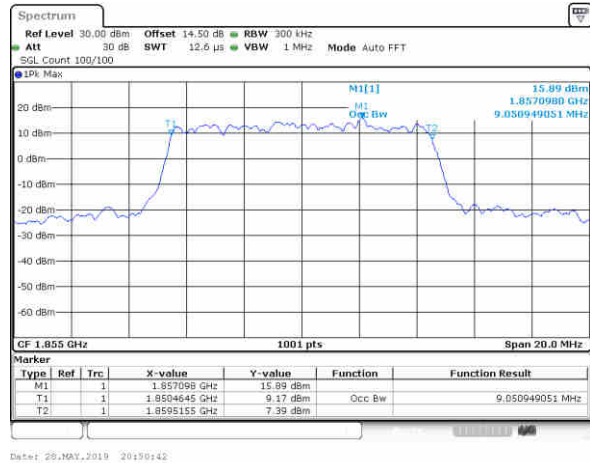


LTE Band 2

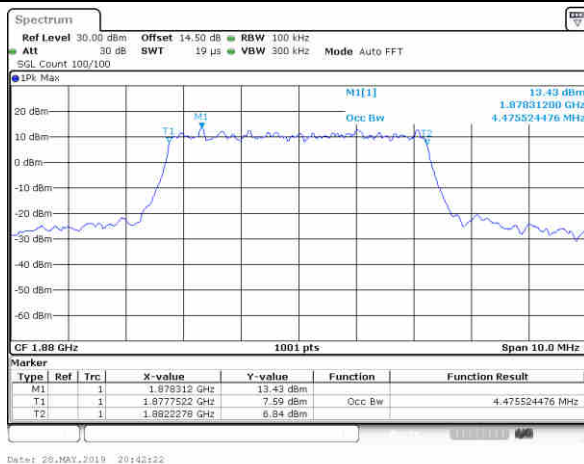
Lowest Channel / 5MHz / 64QAM



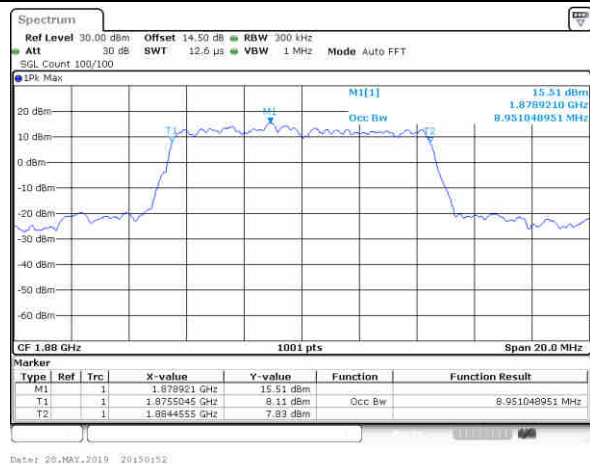
Lowest Channel / 10MHz / 64QAM



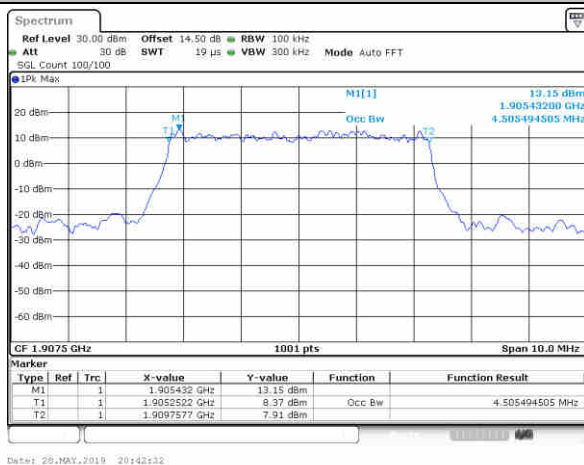
Middle Channel / 5MHz / 64QAM



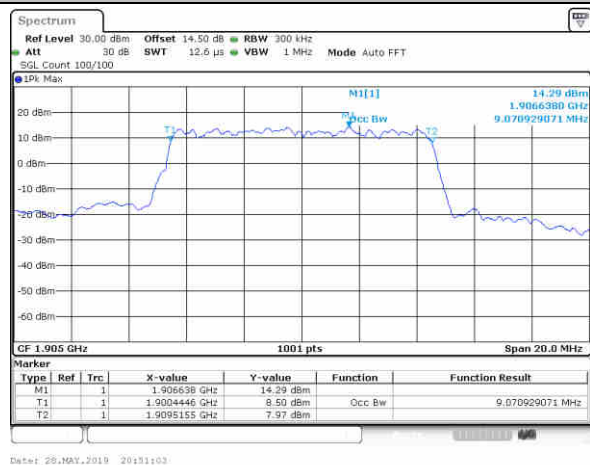
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



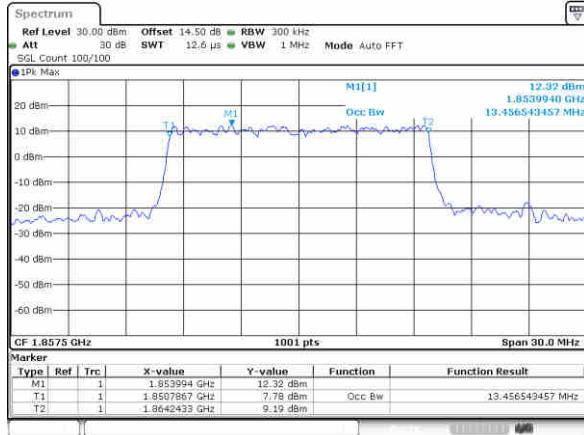
Highest Channel / 10MHz / 64QAM



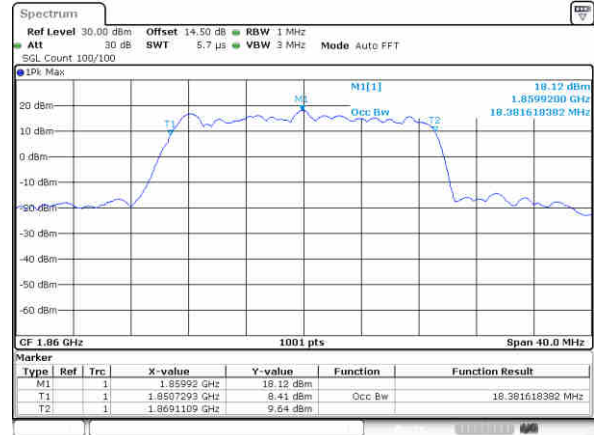


LTE Band 2

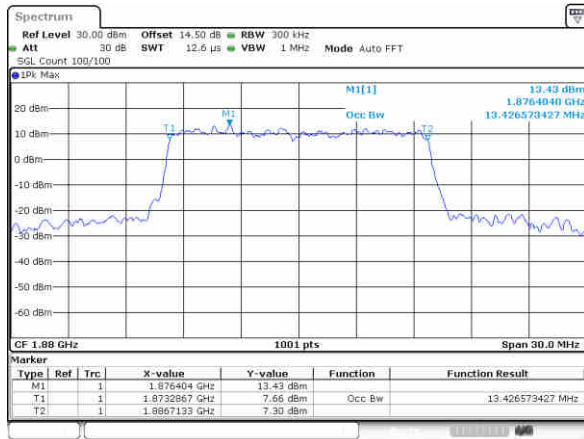
Lowest Channel / 15MHz / 64QAM



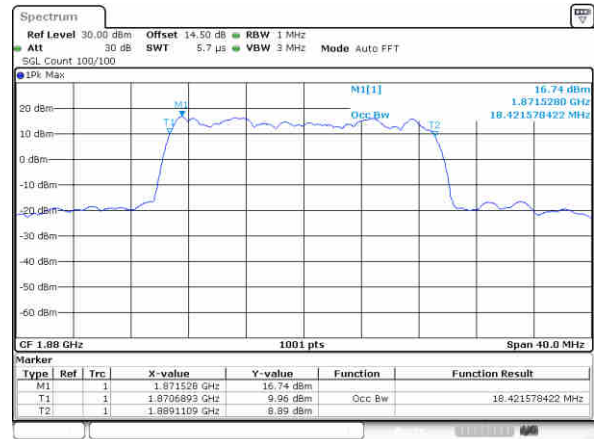
Lowest Channel / 20MHz / 64QAM



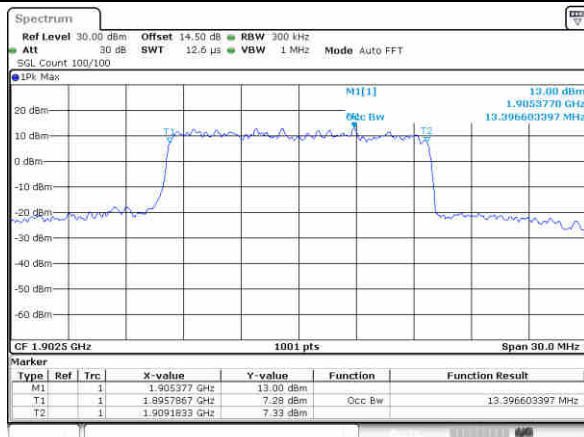
Middle Channel / 15MHz / 64QAM



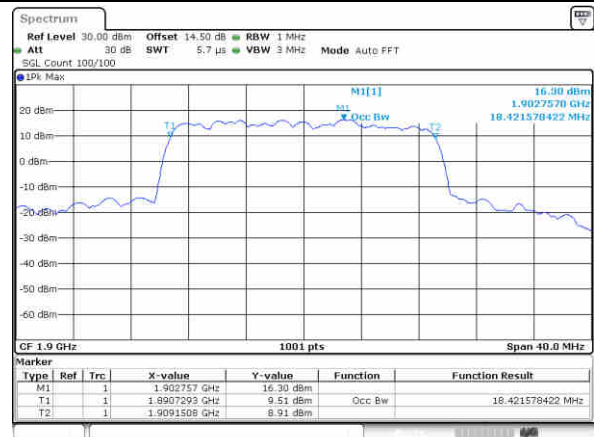
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



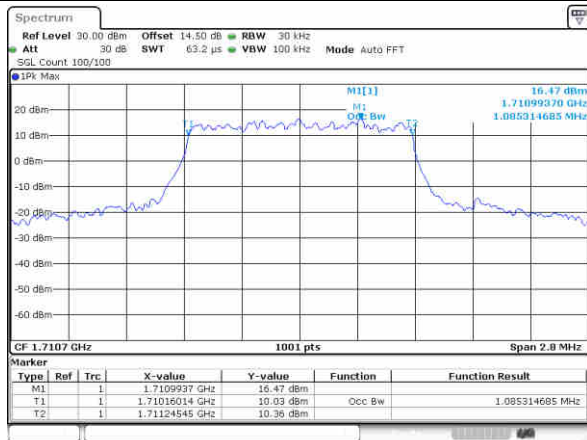
Highest Channel / 20MHz / 64QAM





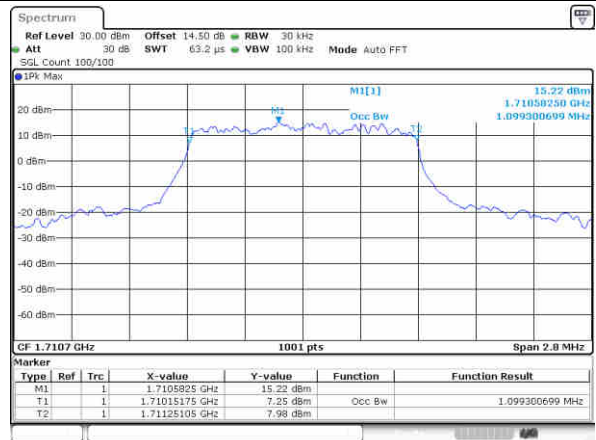
LTE Band 4

Lowest Channel / 1.4MHz / QPSK



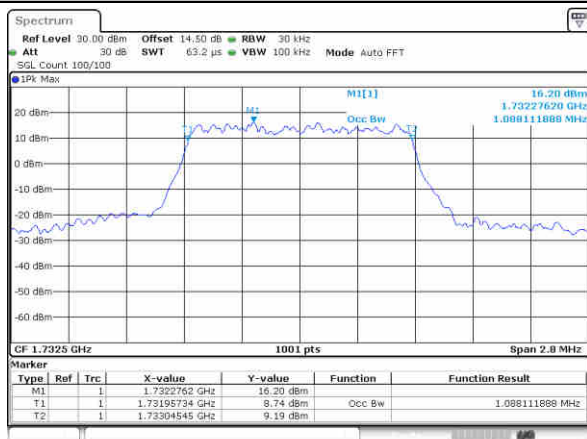
Date: 2, MAY, 2019 10:29:33

Lowest Channel / 1.4MHz / 16QAM



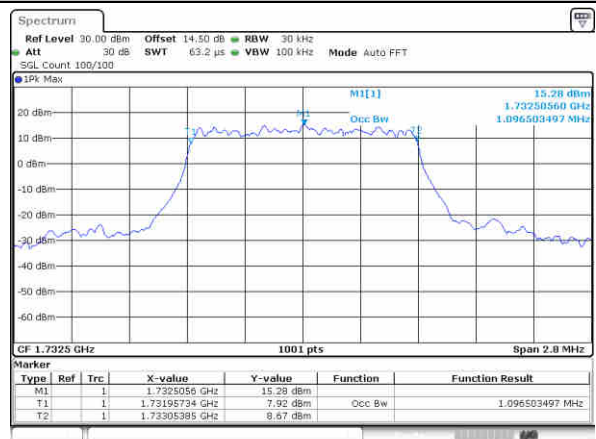
Date: 2, MAY, 2019 10:31:10

Middle Channel / 1.4MHz / QPSK



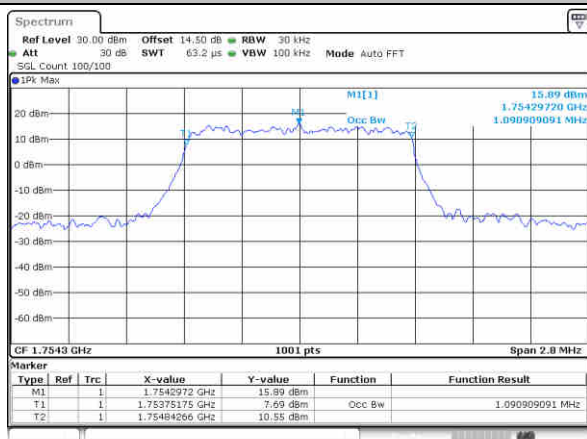
Date: 2, MAY, 2019 10:32:24

Middle Channel / 1.4MHz / 16QAM



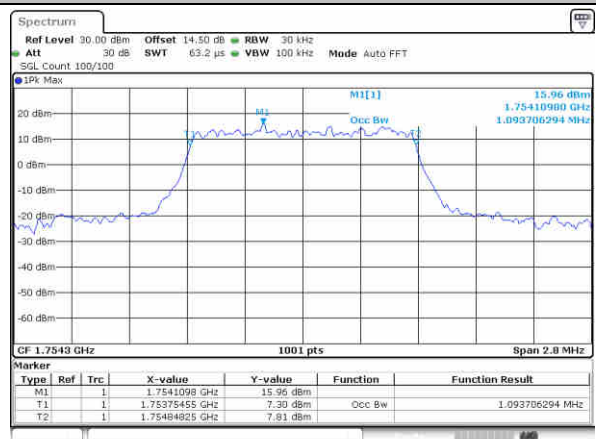
Date: 2, MAY, 2019 10:32:52

Highest Channel / 1.4MHz / QPSK



Date: 2, MAY, 2019 10:33:36

Highest Channel / 1.4MHz / 16QAM

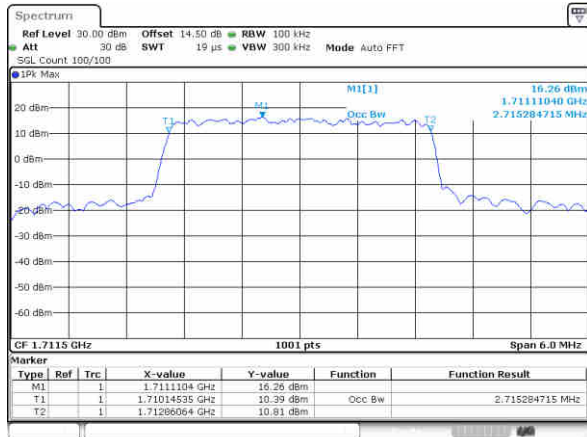


Date: 2, MAY, 2019 10:34:55



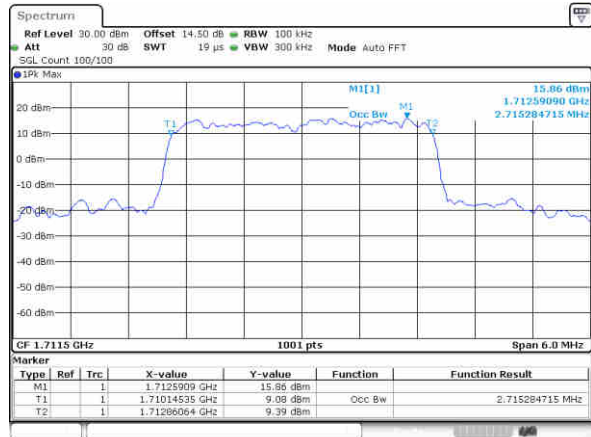
LTE Band 4

Lowest Channel / 3MHz / QPSK



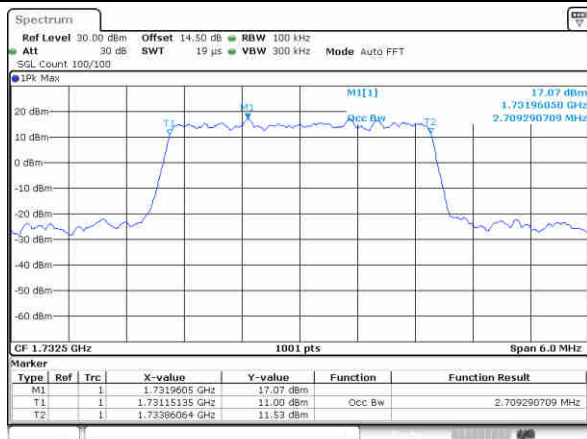
Date: 2, MAY, 2019 11:27:33

Lowest Channel / 3MHz / 16QAM



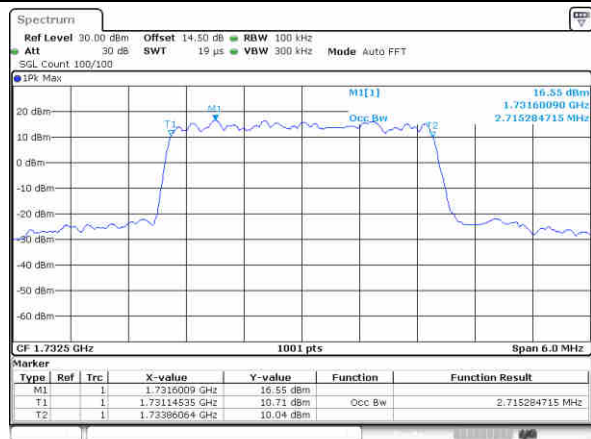
Date: 2, MAY, 2019 11:28:07

Middle Channel / 3MHz / QPSK



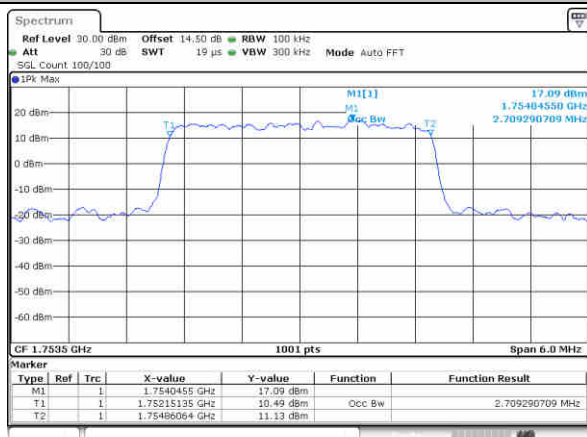
Date: 2, MAY, 2019 11:28:37

Middle Channel / 3MHz / 16QAM



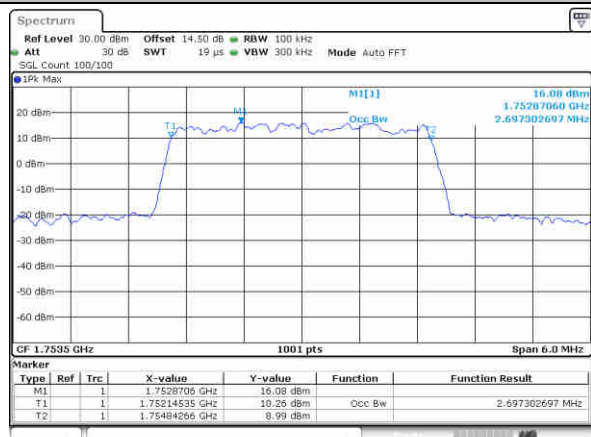
Date: 2, MAY, 2019 11:29:09

Highest Channel / 3MHz / QPSK



Date: 2, MAY, 2019 11:29:37

Highest Channel / 3MHz / 16QAM



Date: 2, MAY, 2019 11:30:01