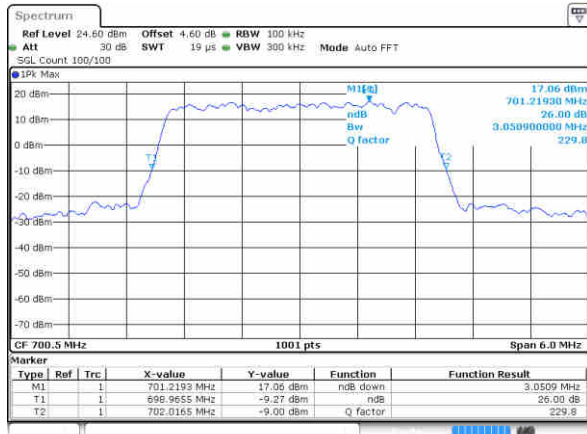


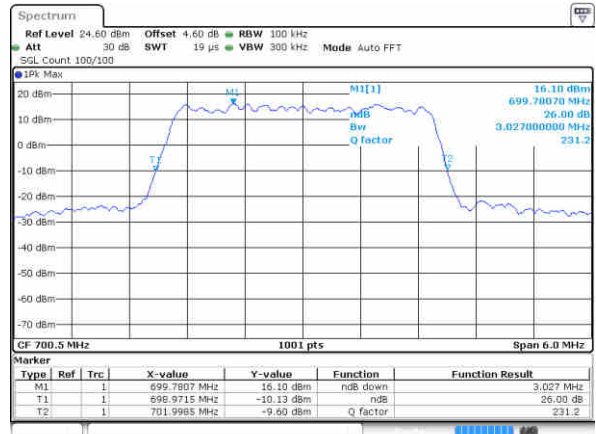


LTE Band 12

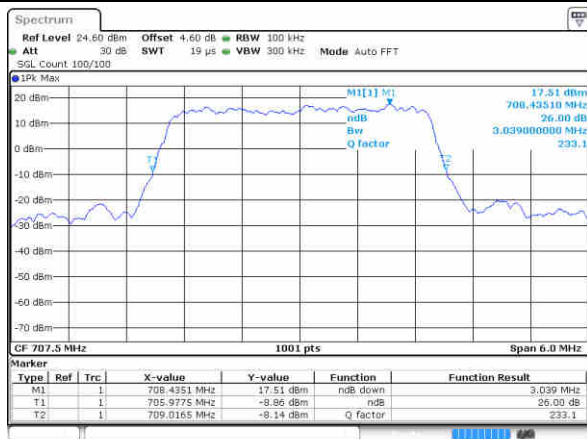
Lowest Channel / 3MHz / QPSK



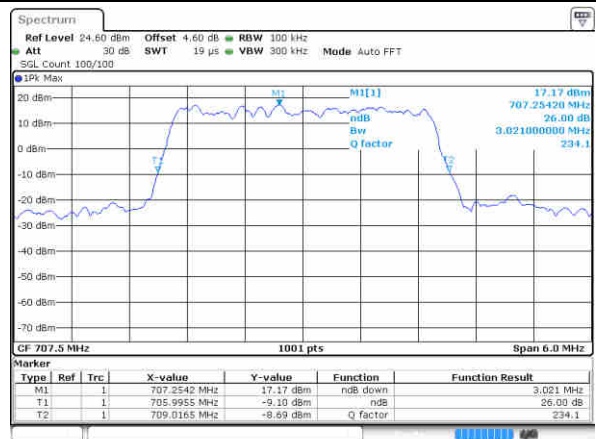
Lowest Channel / 3MHz / 16QAM



Middle Channel / 3MHz / QPSK



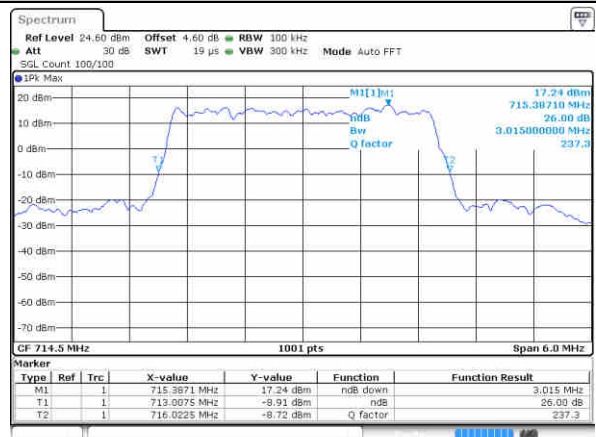
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



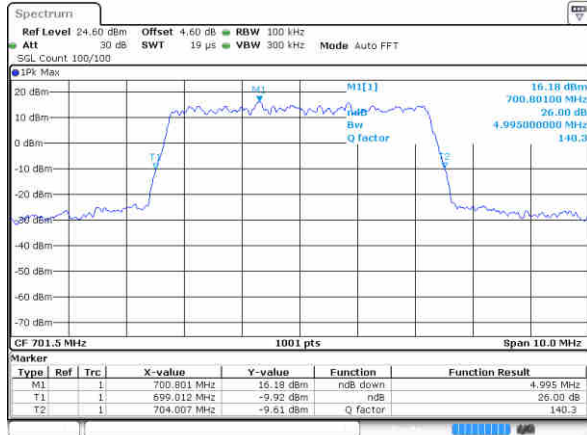
Highest Channel / 3MHz / 16QAM



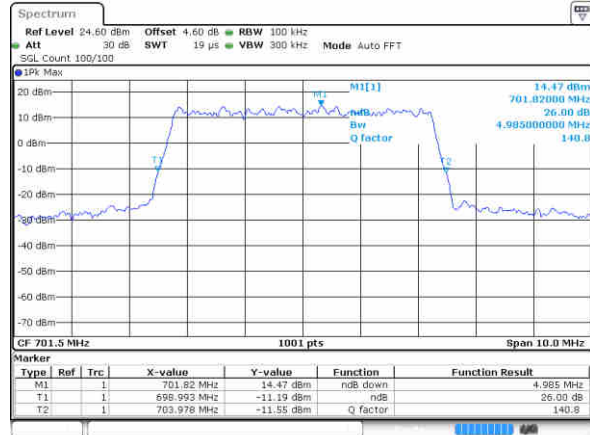


LTE Band 12

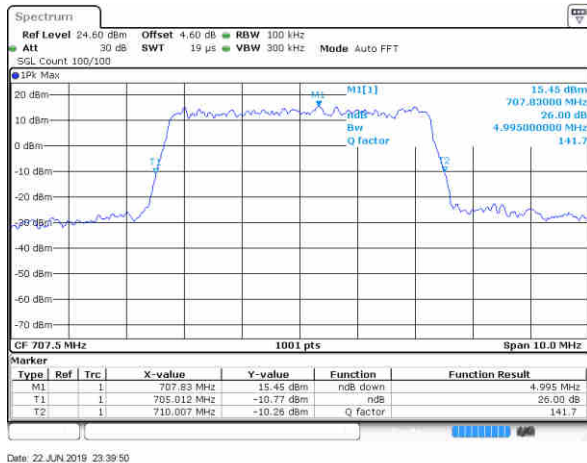
Lowest Channel / 5MHz / QPSK



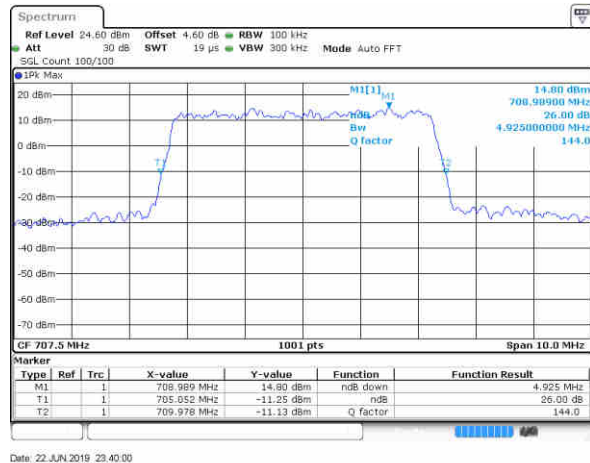
Lowest Channel / 5MHz / 16QAM



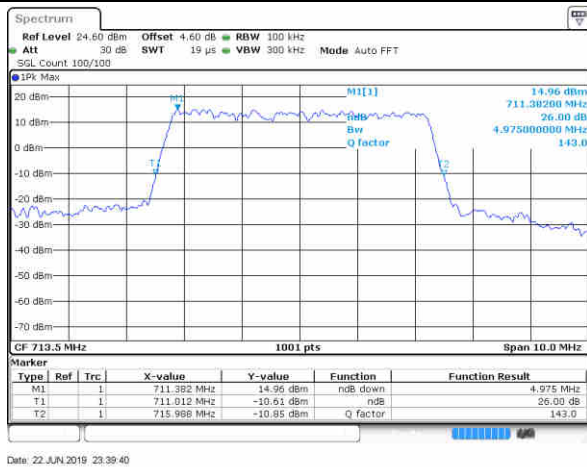
Middle Channel / 5MHz / QPSK



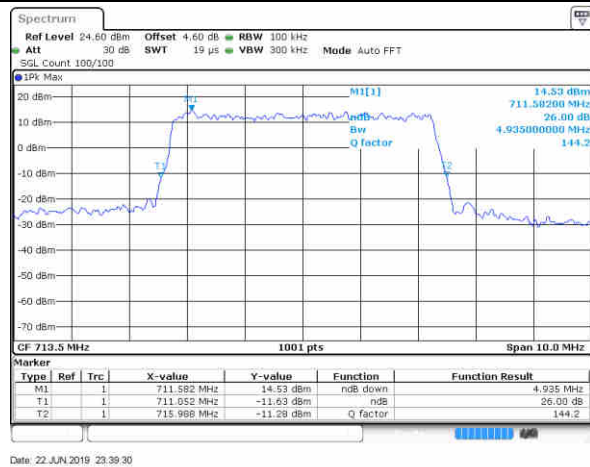
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



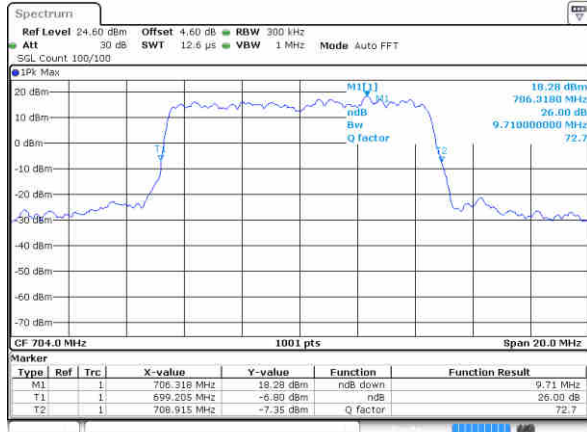
Highest Channel / 5MHz / 16QAM



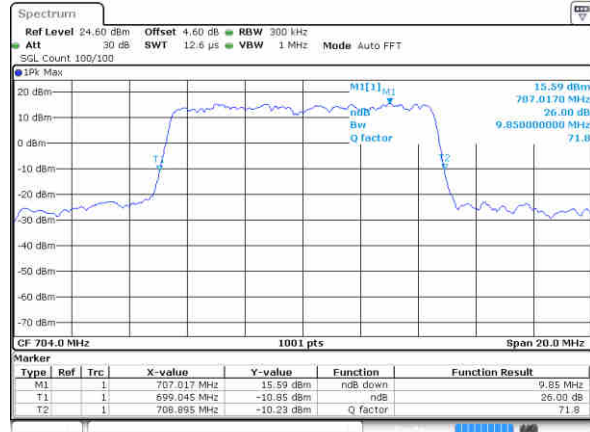


LTE Band 12

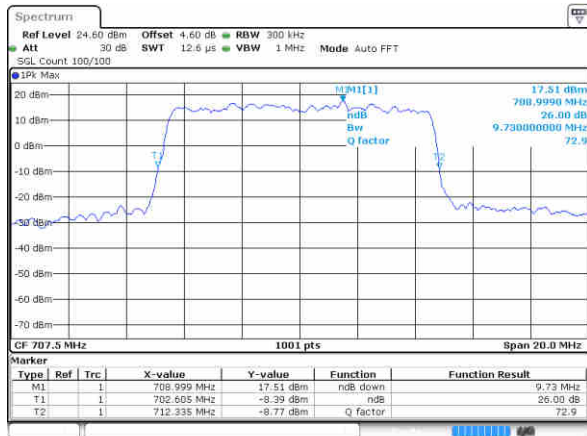
Lowest Channel / 10MHz / QPSK



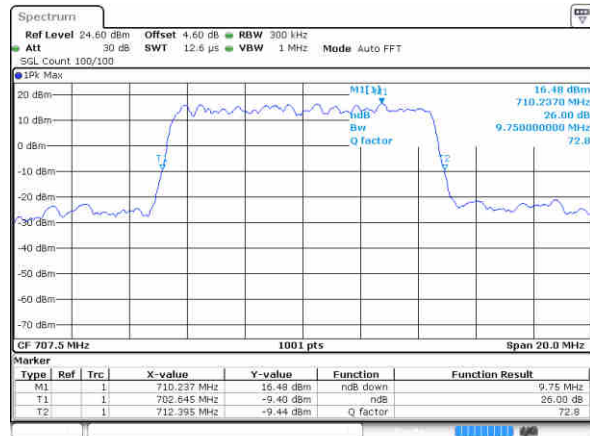
Lowest Channel / 10MHz / 16QAM



Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



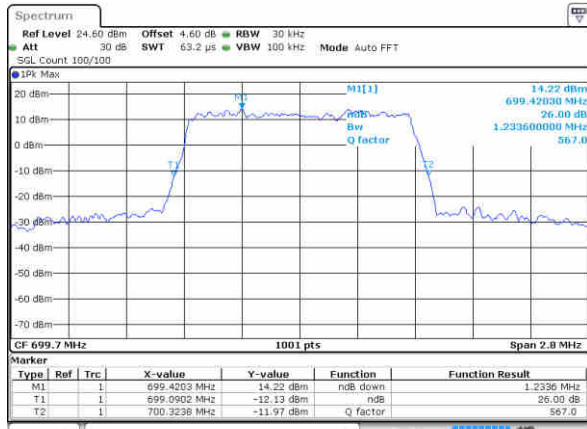
Highest Channel / 10MHz / 16QAM



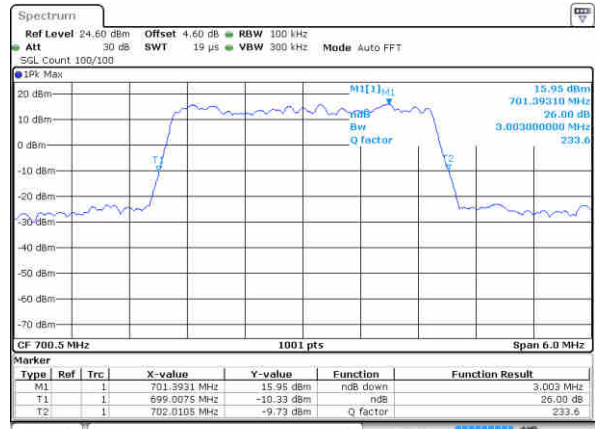


LTE Band 12

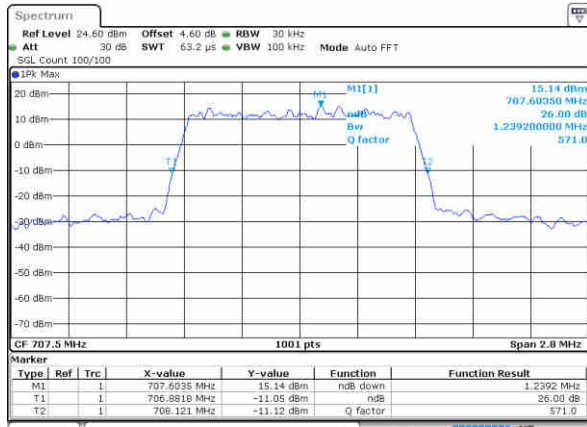
Lowest Channel / 1.4MHz / 64QAM



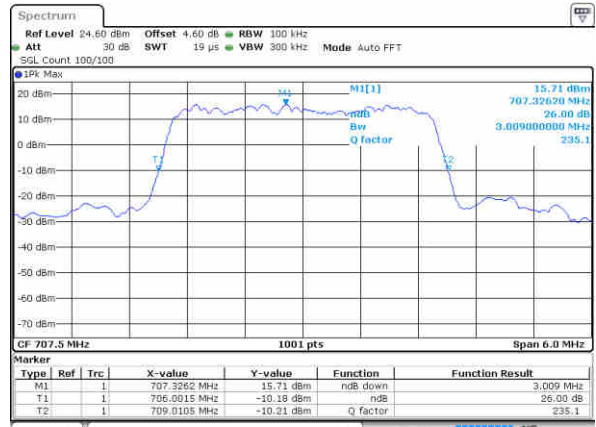
Lowest Channel / 3MHz / 64QAM



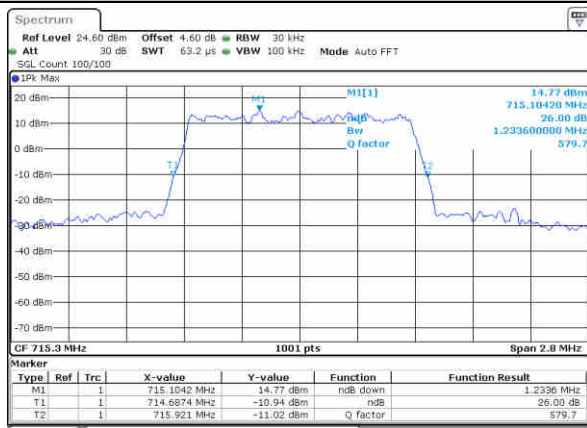
Middle Channel / 1.4MHz / 64QAM



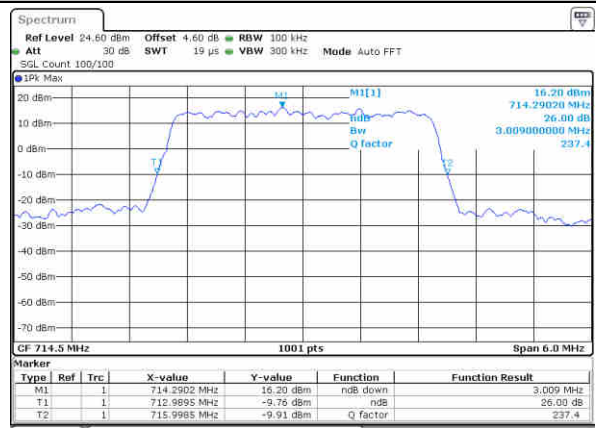
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM



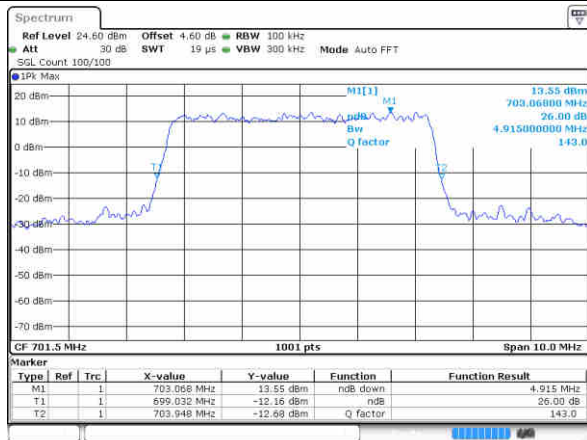
Highest Channel / 3MHz / 64QAM



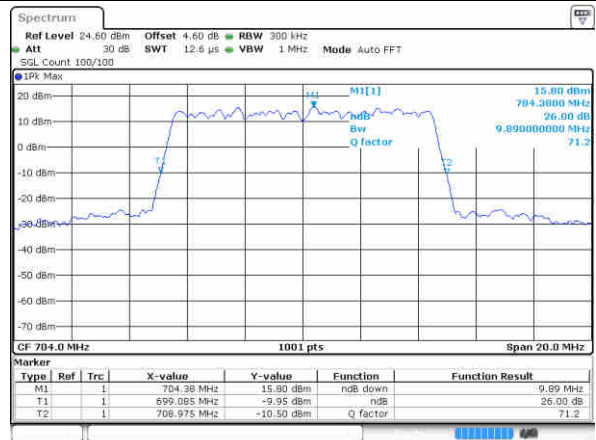


LTE Band 12

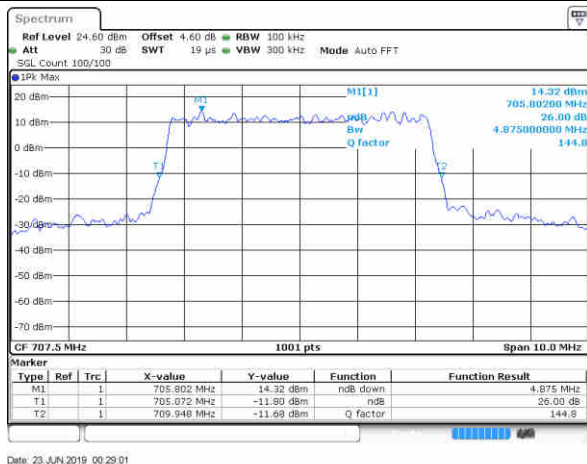
Lowest Channel / 5MHz / 64QAM



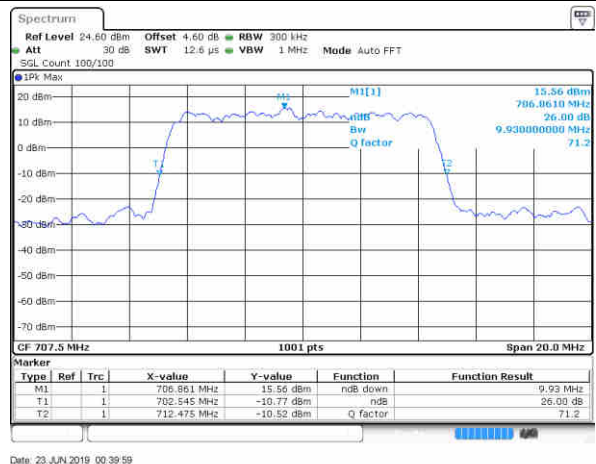
Lowest Channel / 10MHz / 64QAM



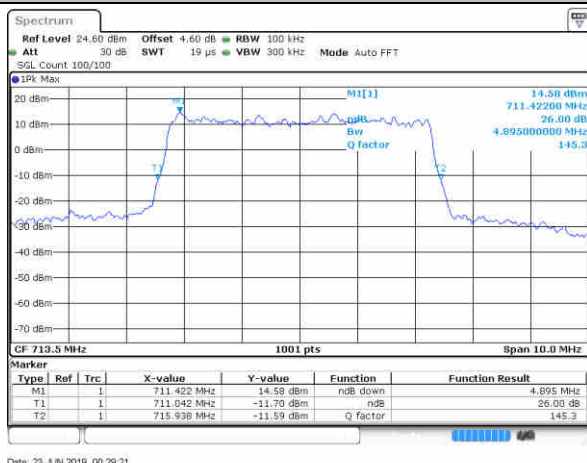
Middle Channel / 5MHz / 64QAM



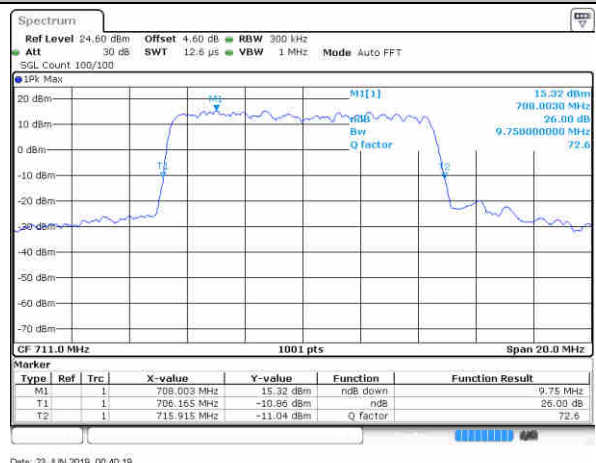
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



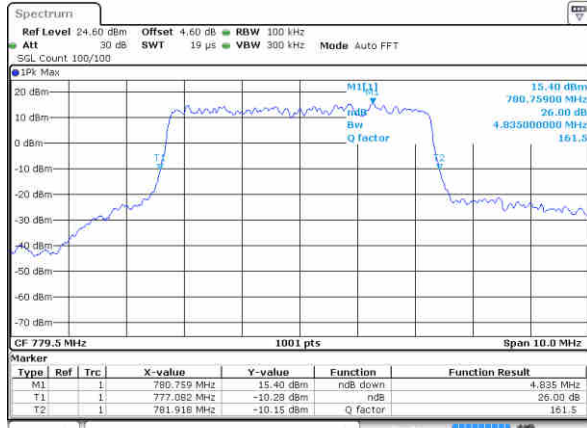
Highest Channel / 10MHz / 64QAM





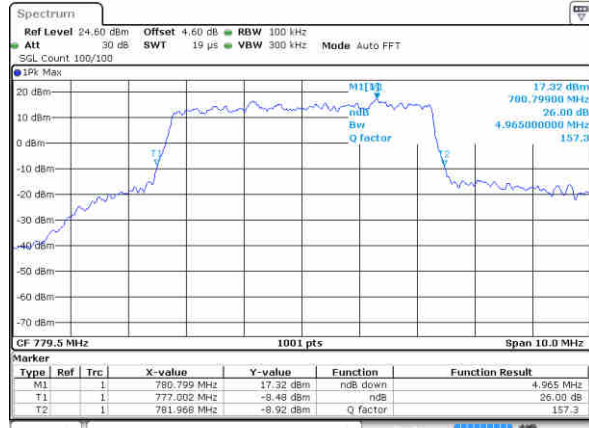
LTE Band 13

Lowest Channel / 5MHz / QPSK



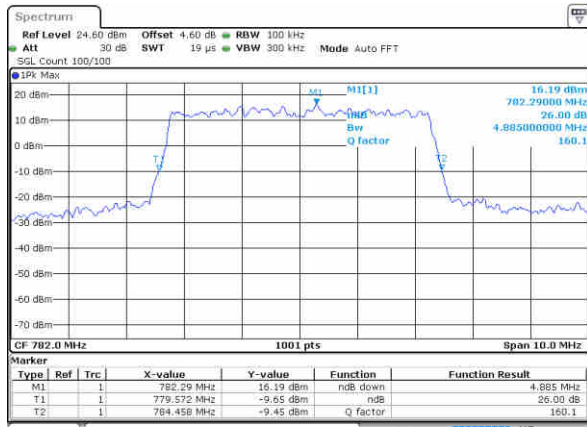
Date: 23 JUN 2019 10:57:48

Lowest Channel / 5MHz / 16QAM



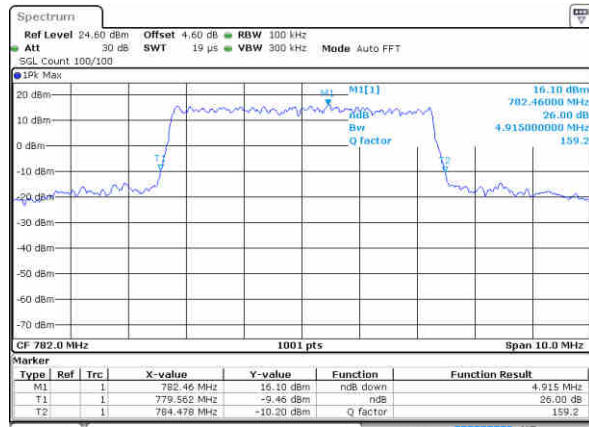
Date: 23 JUN 2019 10:57:58

Middle Channel / 5MHz / QPSK



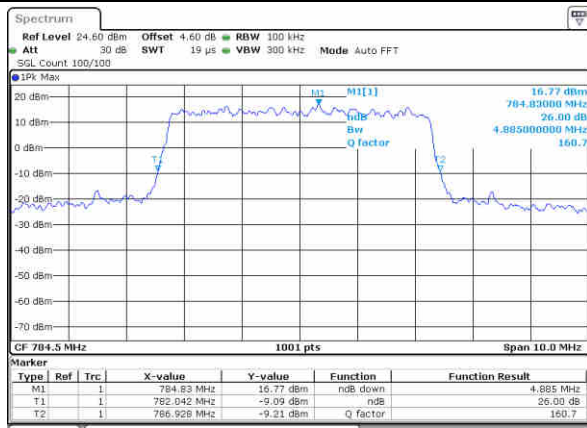
Date: 23 JUN 2019 11:06:48

Middle Channel / 5MHz / 16QAM



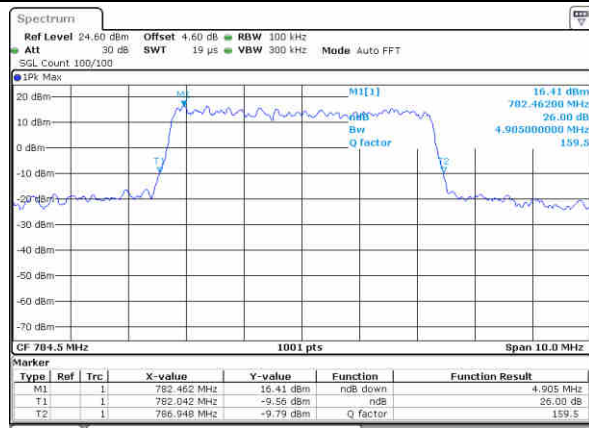
Date: 23 JUN 2019 11:06:58

Highest Channel / 5MHz / QPSK



Date: 23 JUN 2019 11:09:27

Highest Channel / 5MHz / 16QAM

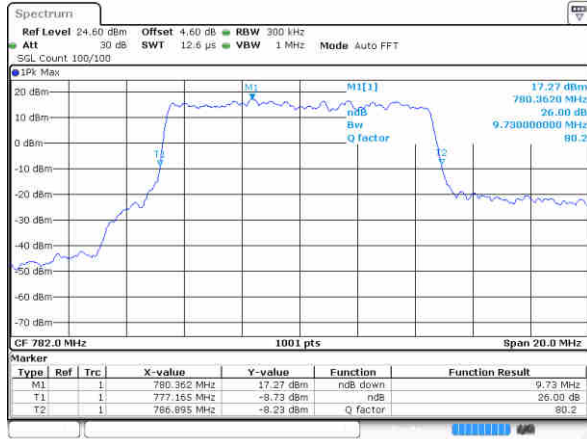


Date: 23 JUN 2019 11:09:17

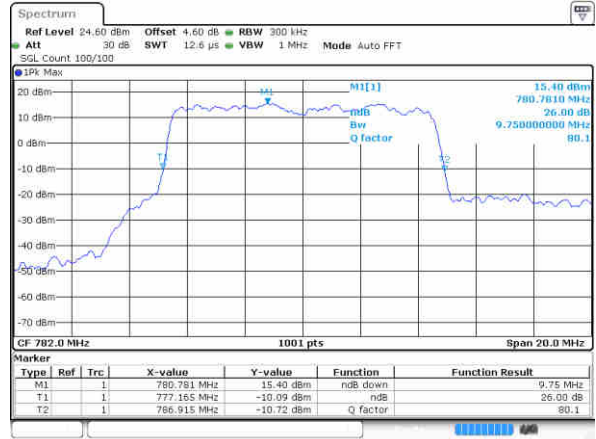


LTE Band 13

Middle Channel / 10MHz / QPSK



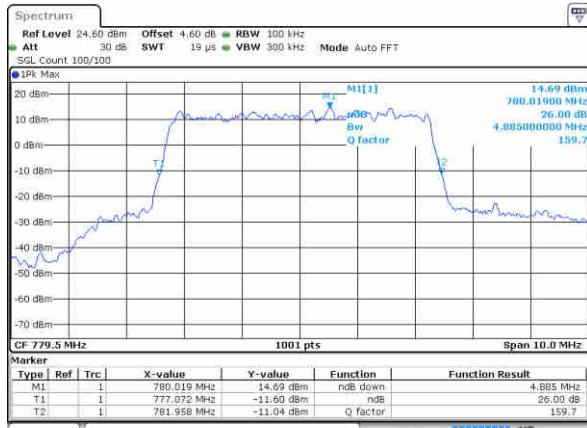
Middle Channel / 10MHz / 16QAM





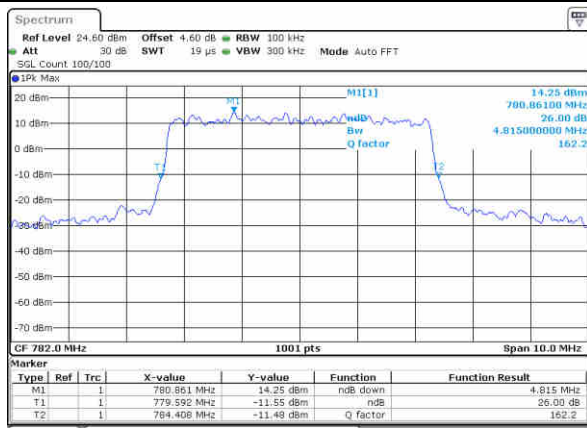
LTE Band 13

Lowest Channel / 5MHz / 64QAM



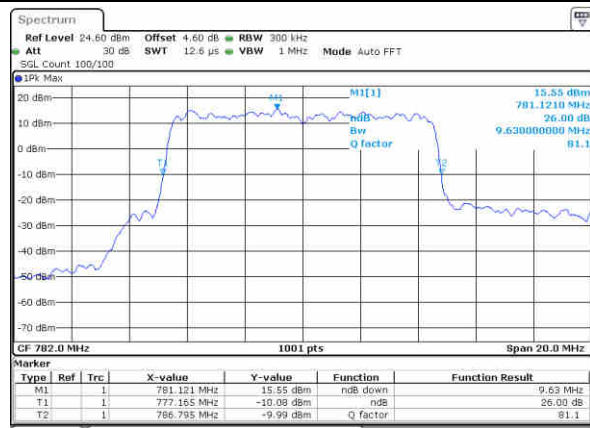
Date: 23 JUN 2019 11:31:41

Middle Channel / 5MHz / 64QAM



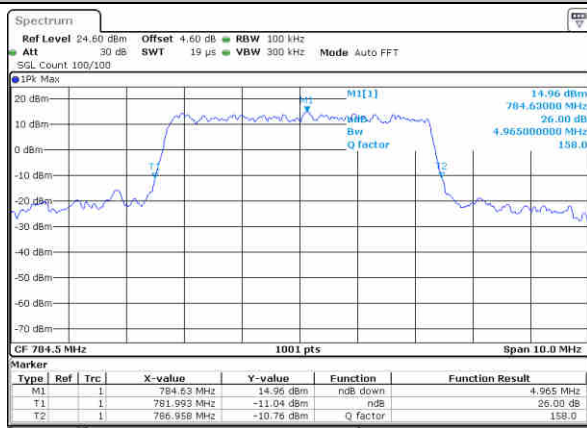
Date: 23 JUN 2019 11:31:51

Middle Channel / 10MHz / 64QAM



Date: 23 JUN 2019 11:41:35

Highest Channel / 5MHz / 64QAM

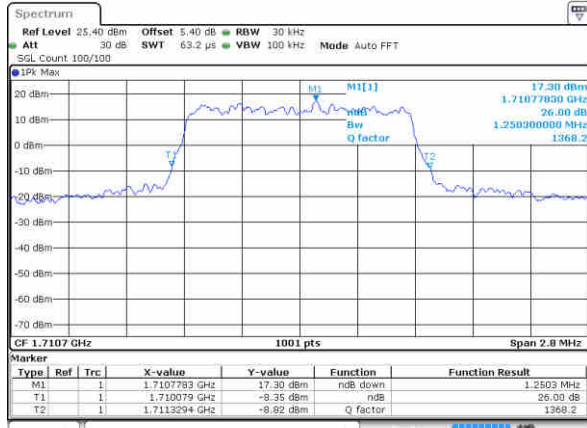


Date: 23 JUN 2019 11:32:01

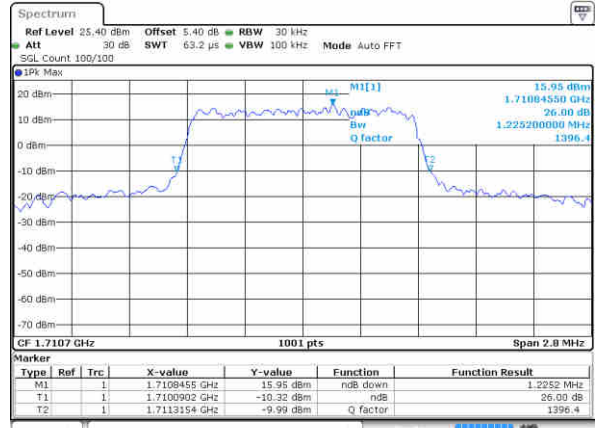


LTE Band 66

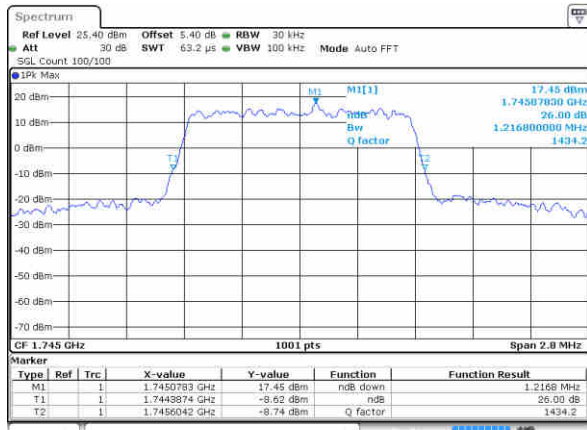
Lowest Channel / 1.4MHz / QPSK



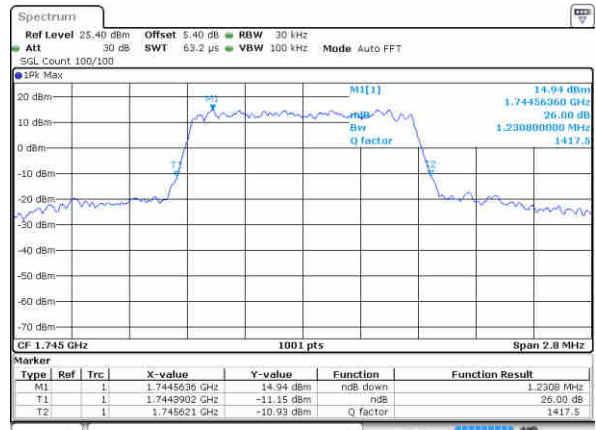
Lowest Channel / 1.4MHz / 16QAM



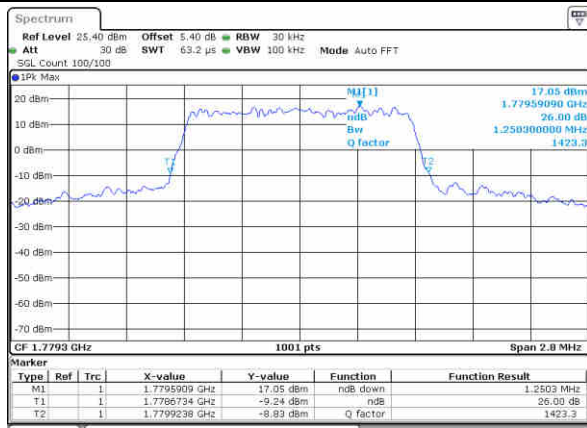
Middle Channel / 1.4MHz / QPSK



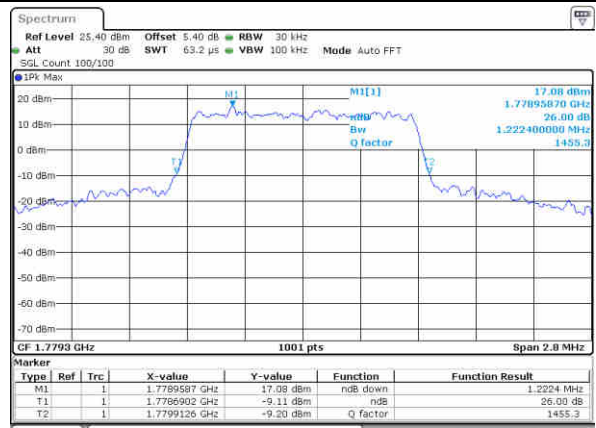
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



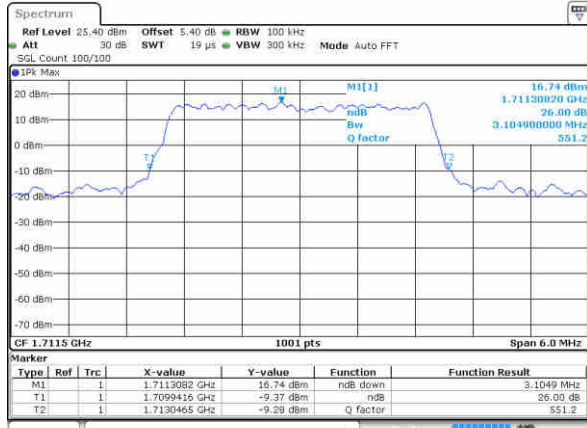
Highest Channel / 1.4MHz / 16QAM





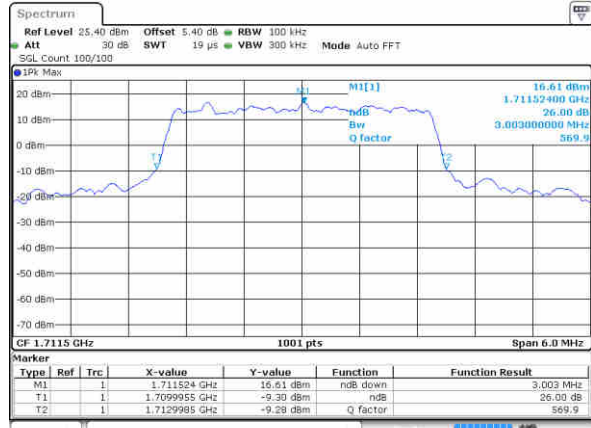
LTE Band 66

Lowest Channel / 3MHz / QPSK



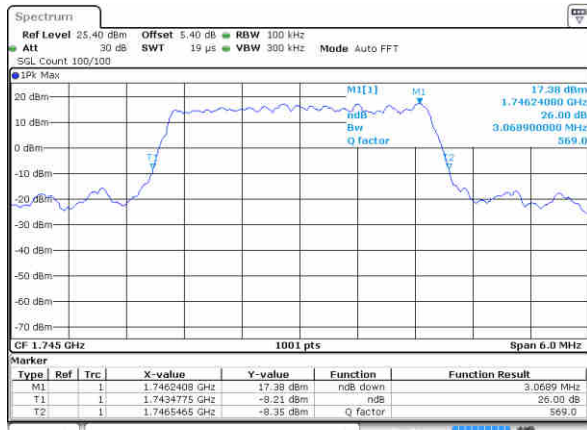
Date: 25 JUN 2019 02:21:37

Lowest Channel / 3MHz / 16QAM



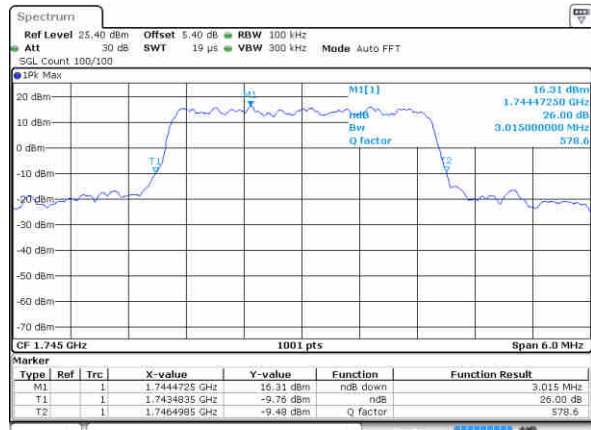
Date: 25 JUN 2019 02:22:24

Middle Channel / 3MHz / QPSK



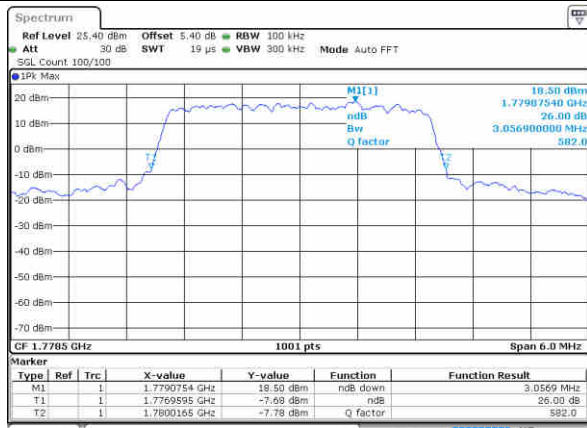
Date: 25 JUN 2019 02:30:43

Middle Channel / 3MHz / 16QAM



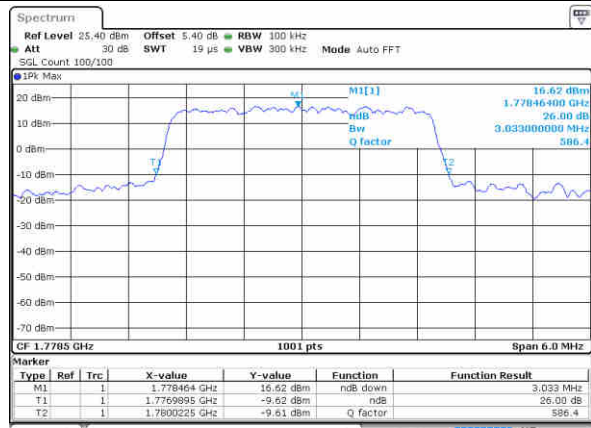
Date: 25 JUN 2019 02:30:27

Highest Channel / 3MHz / QPSK



Date: 25 JUN 2019 02:31:33

Highest Channel / 3MHz / 16QAM

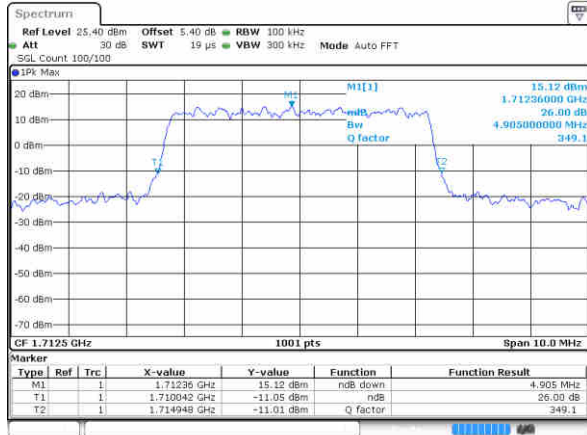


Date: 25 JUN 2019 02:34:45



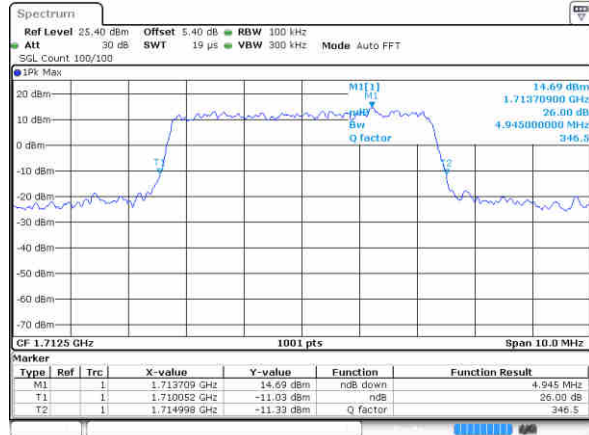
LTE Band 66

Lowest Channel / 5MHz / QPSK



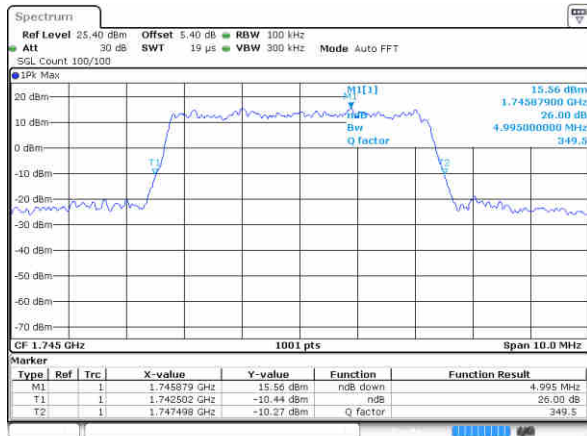
Date: 25 JUN 2019 02:41:57

Lowest Channel / 5MHz / 16QAM



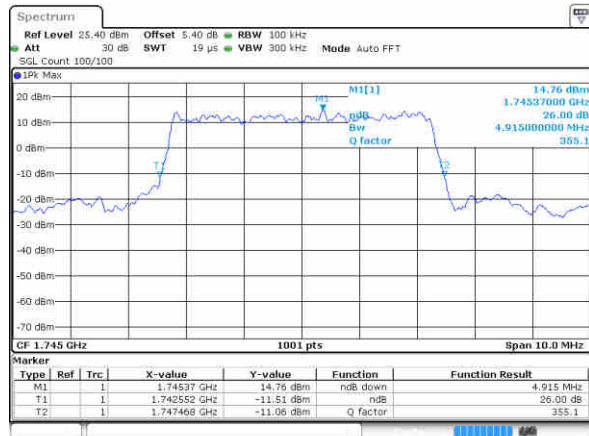
Date: 25 JUN 2019 02:42:34

Middle Channel / 5MHz / QPSK



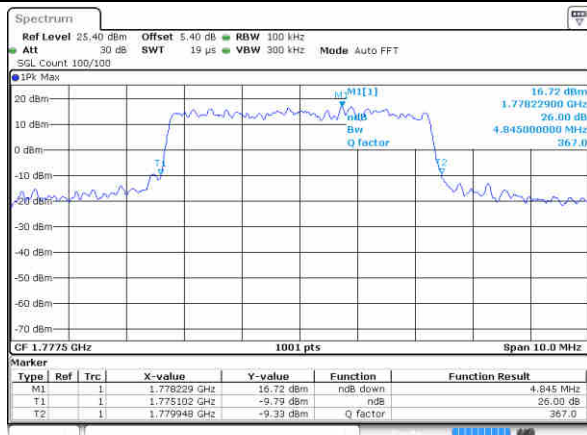
Date: 25 JUN 2019 02:49:36

Middle Channel / 5MHz / 16QAM



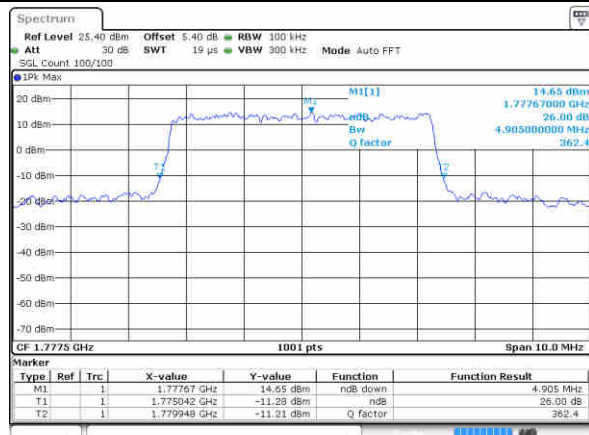
Date: 25 JUN 2019 02:49:21

Highest Channel / 5MHz / QPSK



Date: 25 JUN 2019 02:50:16

Highest Channel / 5MHz / 16QAM

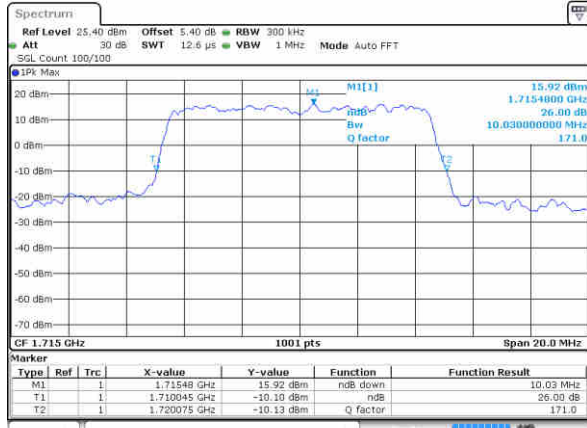


Date: 25 JUN 2019 02:50:50

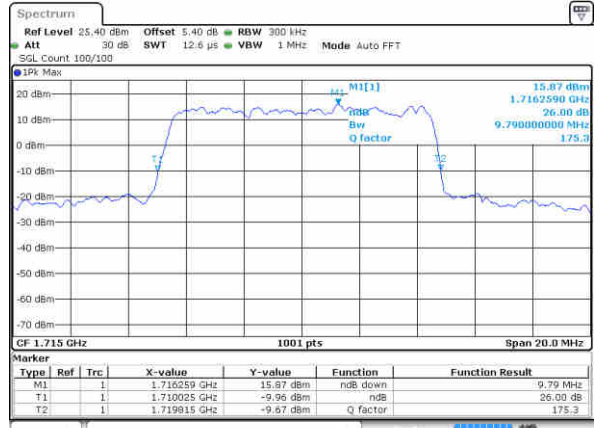


LTE Band 66

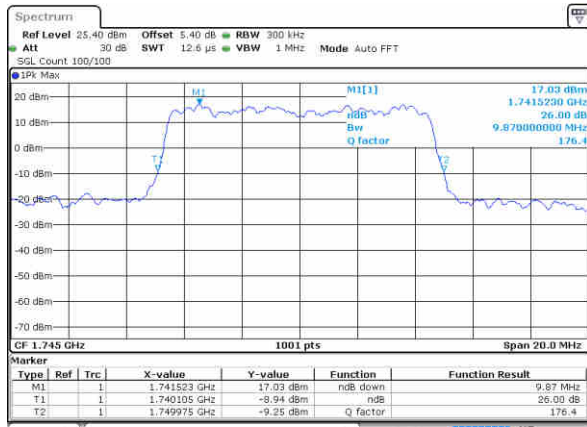
Lowest Channel / 10MHz / QPSK



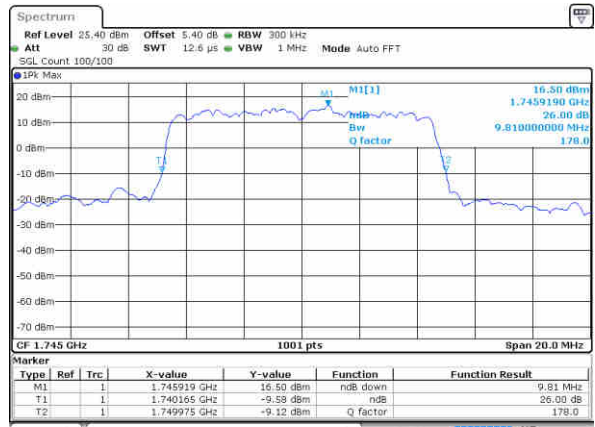
Lowest Channel / 10MHz / 16QAM



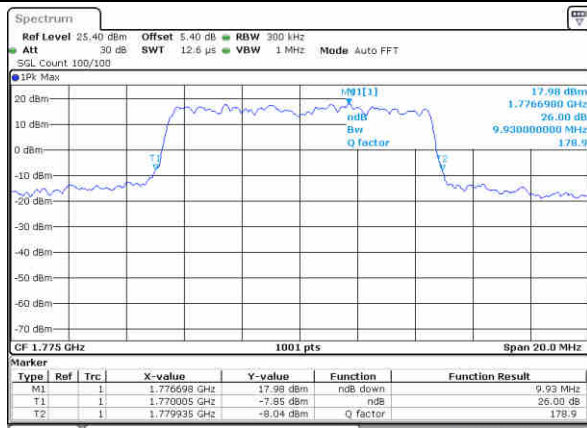
Middle Channel / 10MHz / QPSK



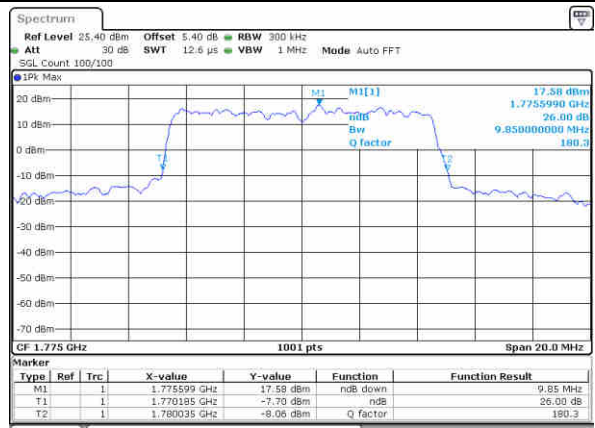
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



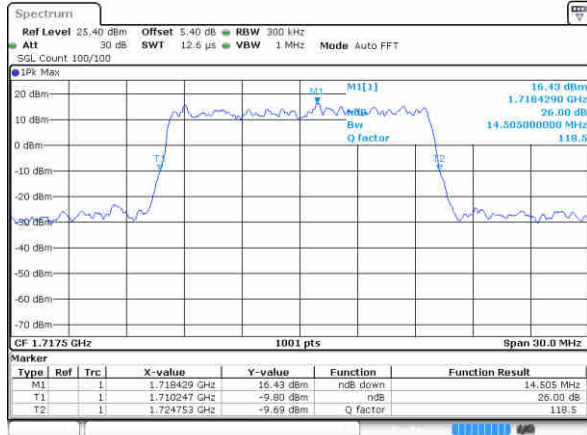
Highest Channel / 10MHz / 16QAM





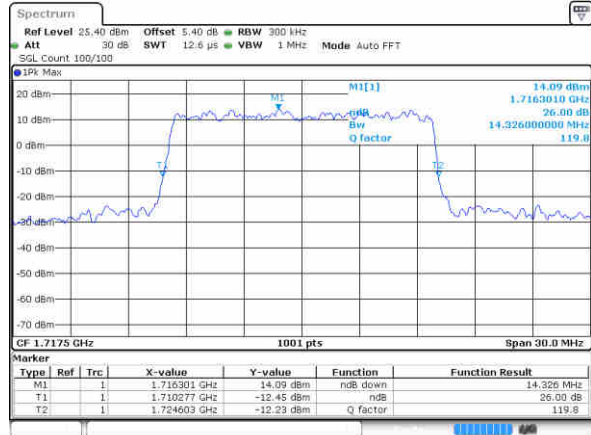
LTE Band 66

Lowest Channel / 15MHz / QPSK



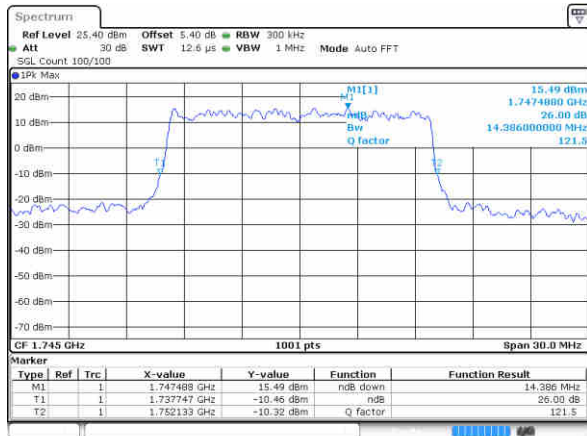
Date: 25 JUN 2019 03:13:59

Lowest Channel / 15MHz / 16QAM



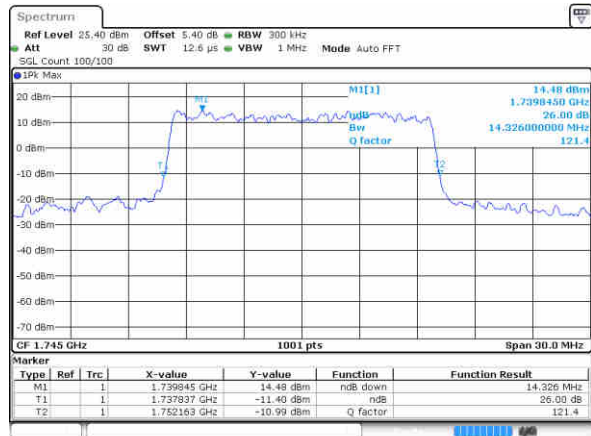
Date: 25 JUN 2019 03:14:23

Middle Channel / 15MHz / QPSK



Date: 25 JUN 2019 03:21:54

Middle Channel / 15MHz / 16QAM



Date: 25 JUN 2019 03:21:42

Highest Channel / 15MHz / QPSK



Date: 25 JUN 2019 03:22:25

Highest Channel / 15MHz / 16QAM

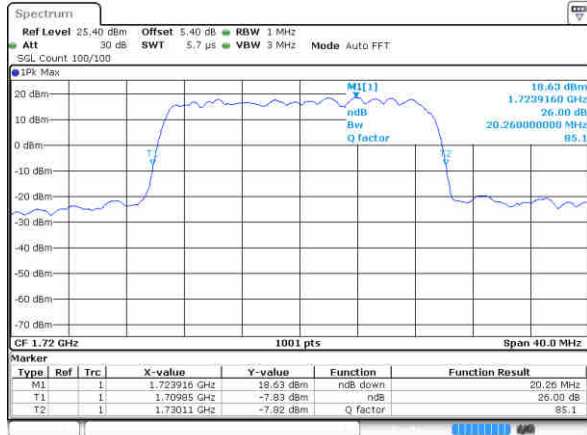


Date: 25 JUN 2019 03:22:50

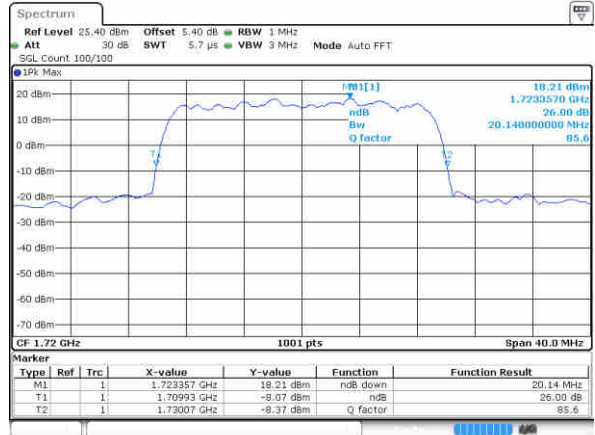


LTE Band 66

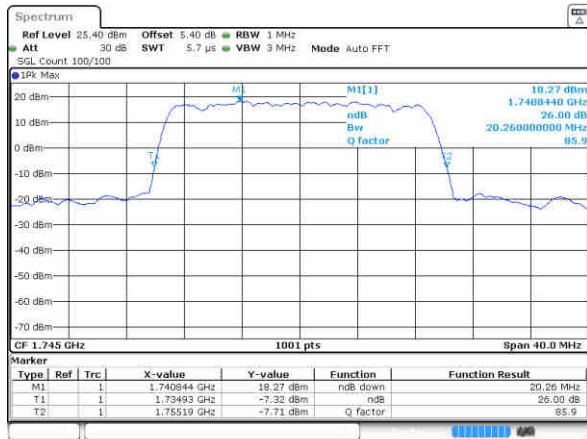
Lowest Channel / 20MHz / QPSK



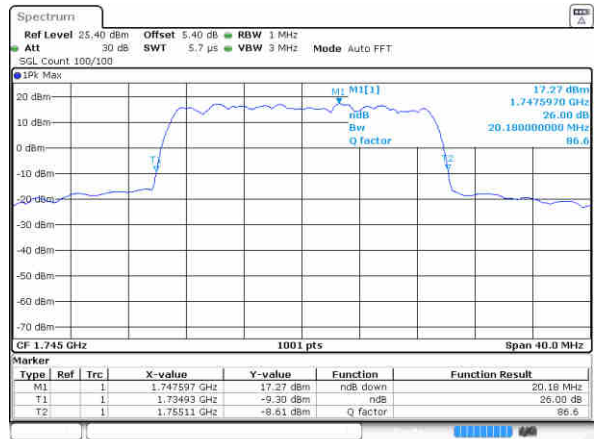
Lowest Channel / 20MHz / 16QAM



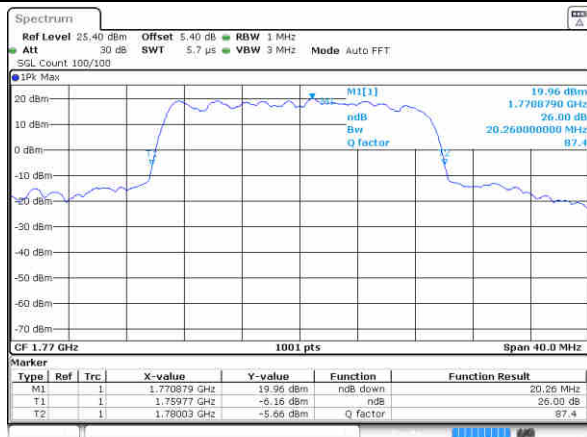
Middle Channel / 20MHz / QPSK



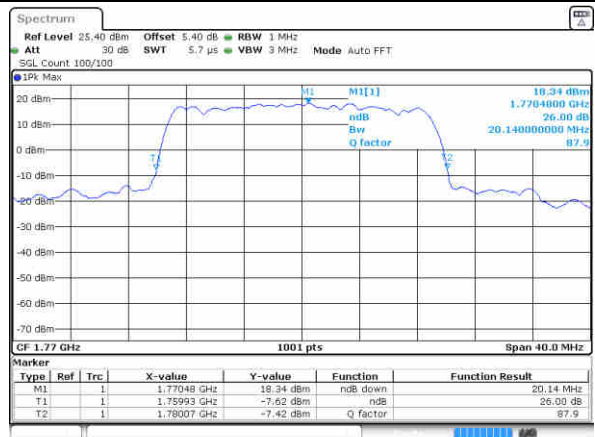
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



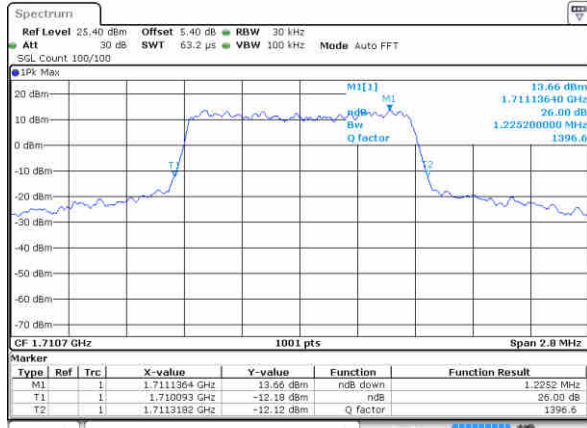
Highest Channel / 20MHz / 16QAM



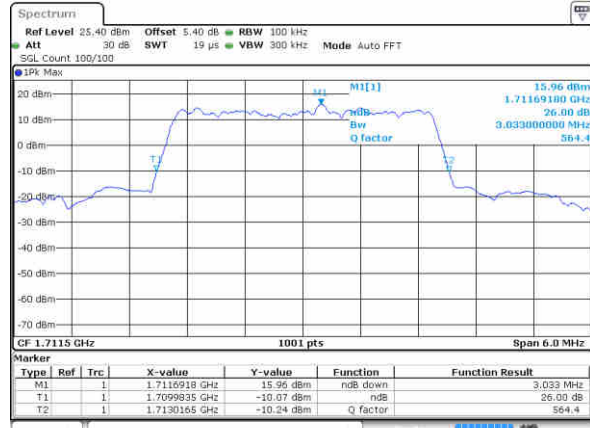


LTE Band 66

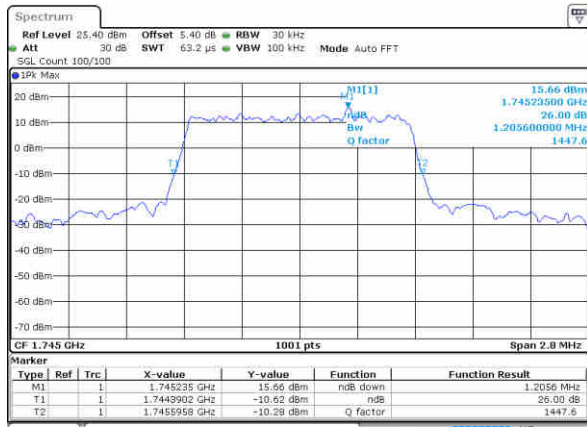
Lowest Channel / 1.4MHz / 64QAM



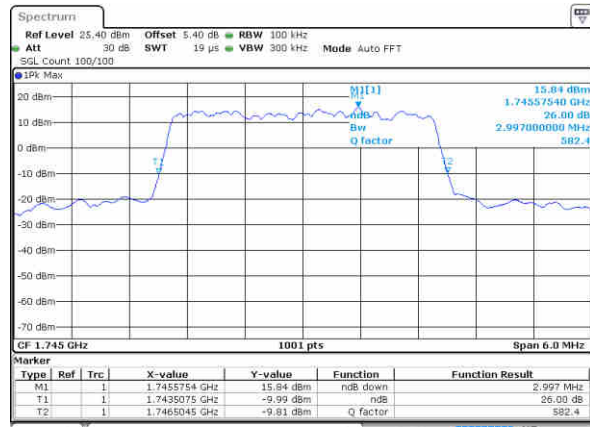
Lowest Channel / 3MHz / 64QAM



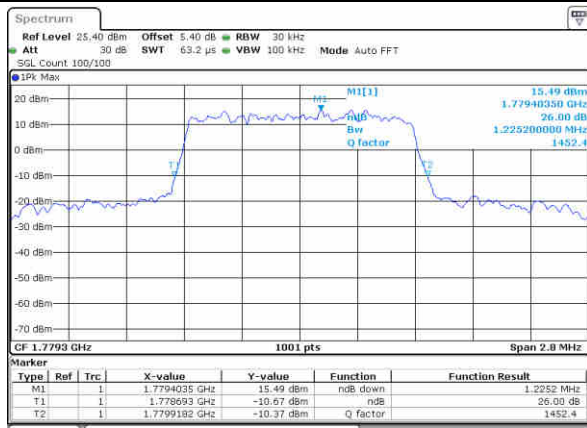
Middle Channel / 20MHz / 64QAM



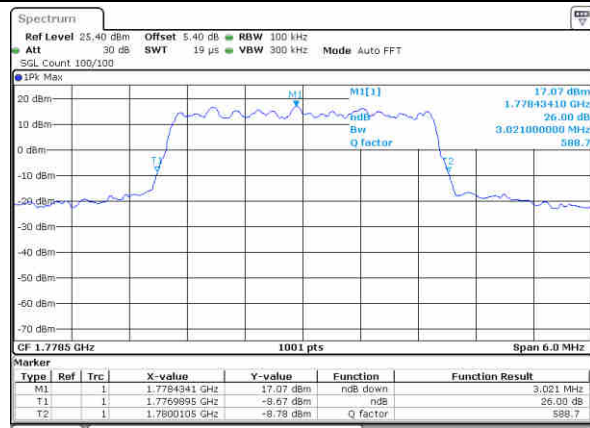
Middle Channel / 3MHz / 64QAM



Highest Channel / 20MHz / 64QAM



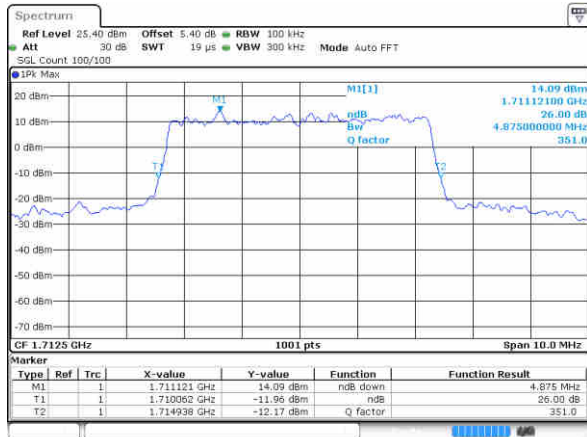
Highest Channel / 3MHz / 64QAM





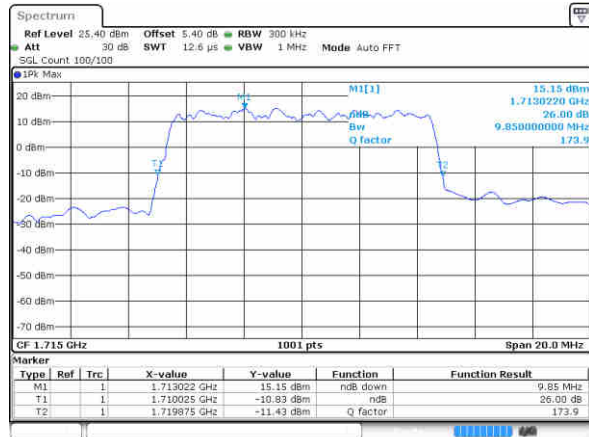
LTE Band 66

Lowest Channel / 5MHz / 64QAM



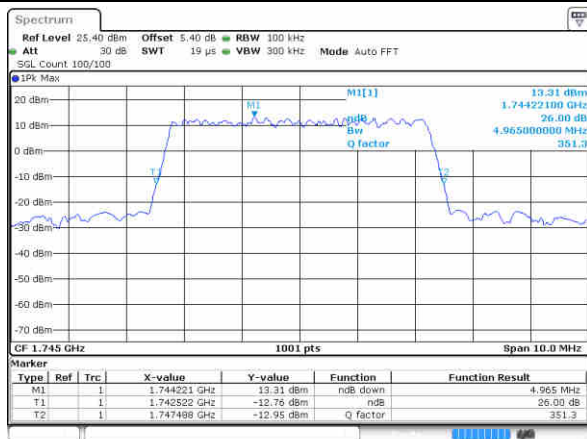
Date: 25 JUN 2019 02:43:11

Lowest Channel / 10MHz / 64QAM



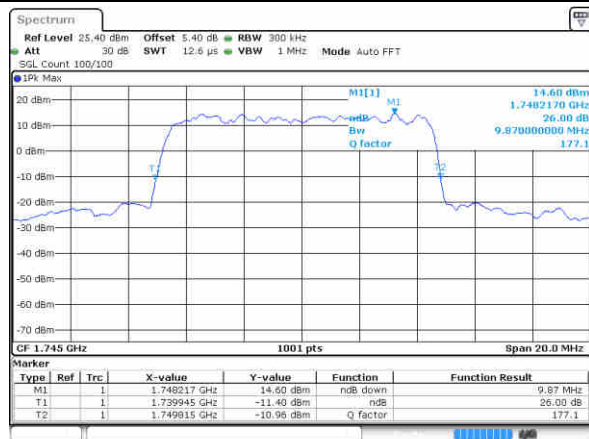
Date: 25 JUN 2019 02:59:36

Middle Channel / 5MHz / 64QAM



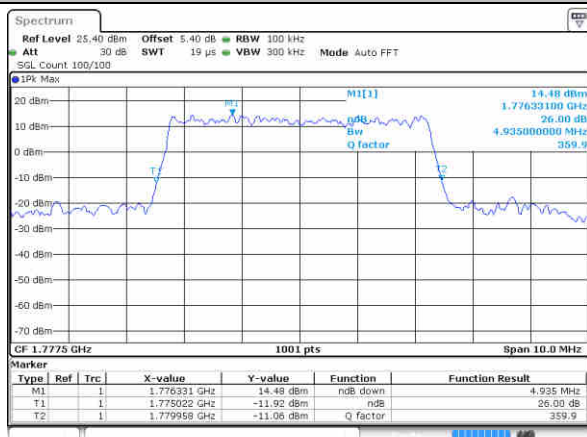
Date: 25 JUN 2019 02:49:04

Middle Channel / 10MHz / 64QAM



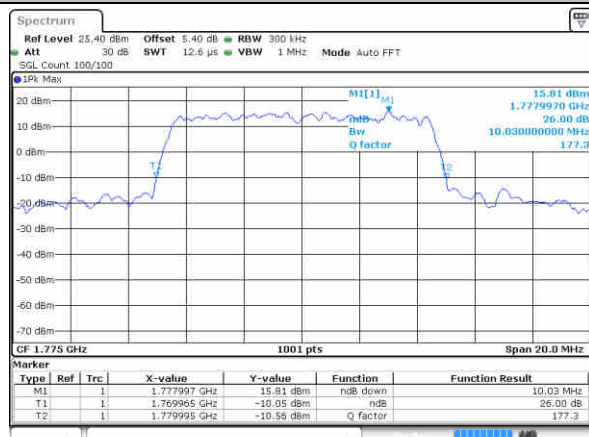
Date: 25 JUN 2019 03:06:21

Highest Channel / 5MHz / 64QAM



Date: 25 JUN 2019 02:51:25

Highest Channel / 10MHz / 64QAM

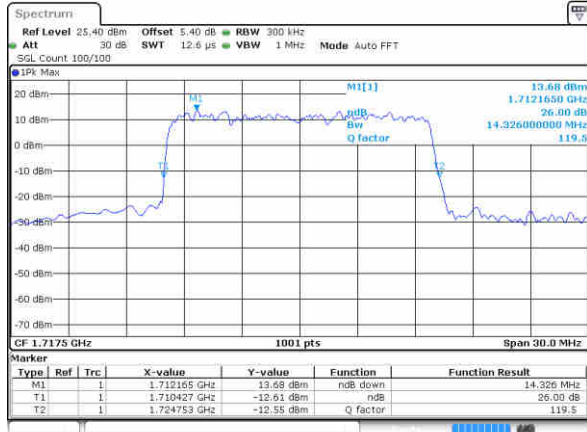


Date: 25 JUN 2019 03:06:25



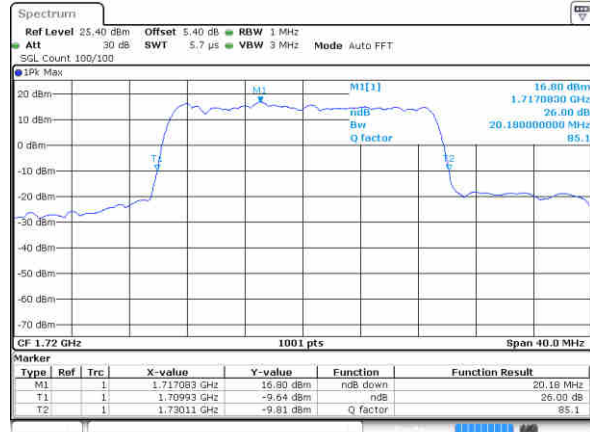
LTE Band 66

Lowest Channel / 15MHz / 64QAM



Date: 25 JUN 2019 03:14:44

Lowest Channel / 20MHz / 64QAM



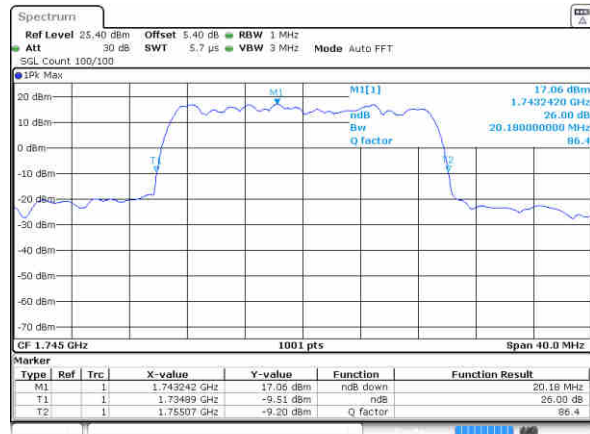
Date: 25 JUN 2019 03:30:02

Middle Channel / 15MHz / 64QAM



Date: 25 JUN 2019 03:21:26

Middle Channel / 20MHz / 64QAM



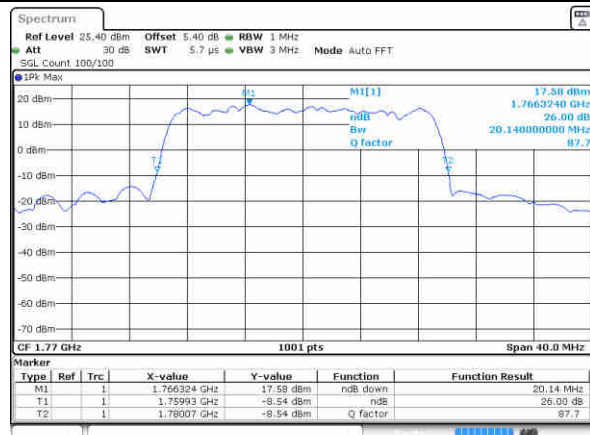
Date: 25 JUN 2019 03:38:38

Highest Channel / 15MHz / 64QAM



Date: 25 JUN 2019 03:23:14

Highest Channel / 20MHz / 64QAM



Date: 25 JUN 2019 03:41:38

**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	2.74	4.51	4.48	9.07	9.07	13.46	13.43	18.38	18.26
Middle CH	1.09	1.09	2.72	2.72	4.49	4.48	9.07	8.99	13.40	13.43	18.26	18.38
Highest CH	1.09	1.09	2.73	2.73	4.50	4.50	8.97	9.01	13.37	13.49	18.26	18.34
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		2.73		4.49		9.05		13.43		18.46	
Middle CH	1.09		2.73		4.49		9.09		13.40		18.54	
Highest CH	1.09		2.72		4.48		9.01		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	1.10	2.71	2.71	4.51	4.50	9.03	9.03	13.43	13.46	18.18	18.46
Middle CH	1.09	1.09	2.71	2.72	4.49	4.48	9.05	8.99	13.40	13.37	18.42	18.30
Highest CH	1.09	1.09	2.70	2.72	4.51	4.49	9.01	9.09	13.43	13.43	18.30	18.38
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		2.75		4.49		9.03		13.46		18.38	
Middle CH	1.09		2.70		4.50		9.03		13.43		18.38	
Highest CH	1.09		2.72		4.47		9.03		13.46		18.42	



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	1.09	1.08	2.71	2.72	4.50	4.50	9.07	9.01				
Middle CH	1.09	1.09	2.72	2.70	4.50	4.49	9.03	8.99				
Highest CH	1.09	1.09	2.72	2.73	4.50	4.50	9.01	9.07				
Mode	LTE Band 5 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz					
Mod.	64QAM		64QAM		64QAM		64QAM					
Lowest CH	1.09		2.73		4.51		9.07		-	-	-	-
Middle CH	1.09		2.73		4.49		8.99		-	-	-	-
Highest CH	1.09		2.73		4.49		8.99		-	-	-	-

Mode	LTE Band 7 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.49	4.51	9.11	9.05	13.49	13.52	18.30	18.38
Middle CH	-	-	-	-	4.49	4.47	9.05	8.99	13.40	13.43	18.18	18.26
Highest CH	-	-	-	-	4.49	4.50	9.01	9.07	13.43	13.34	18.22	18.30
Mode	LTE Band 7 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.50		9.11		13.46		18.50	
Middle CH	-	-	-	-	4.50		9.09		13.43		18.26	
Highest CH	-	-	-	-	4.50		9.05		13.43		18.26	

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	2.73	2.73	4.49	4.54	9.03	8.99	1.09	2.73	4.50	9.05
Middle CH	1.09	1.10	2.74	2.72	4.51	4.48	9.03	8.99	1.09	2.72	4.50	8.99
Highest CH	1.09	1.09	2.72	2.72	4.51	4.53	9.05	9.01	1.09	2.73	4.48	8.99



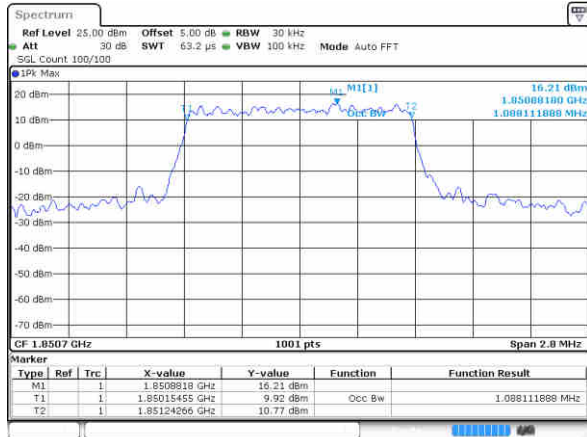
Mode	LTE Band 13 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH					4.47	4.50						
Middle CH					4.50	4.51	8.97	8.99				
Highest CH					4.49	4.50						
Mode	LTE Band 13 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH					4.48							
Middle CH					4.49		9.01					
Highest CH					4.51							

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	1.10	2.72	2.72	4.49	4.51	9.01	9.03	13.37	13.46	18.38	18.18
Middle CH	1.09	1.09	2.74	2.71	4.52	4.47	9.11	9.05	13.46	13.46	18.46	18.38
Highest CH	1.10	1.10	2.71	2.73	4.49	4.50	9.07	9.05	13.46	13.49	18.18	18.34
Mode	LTE Band 66 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.09		2.72		4.51		8.99		13.43		18.42	
Middle CH	1.09		2.72		4.50		9.07		13.40		18.26	
Highest CH	1.09		2.72		4.53		9.03		13.40		18.38	

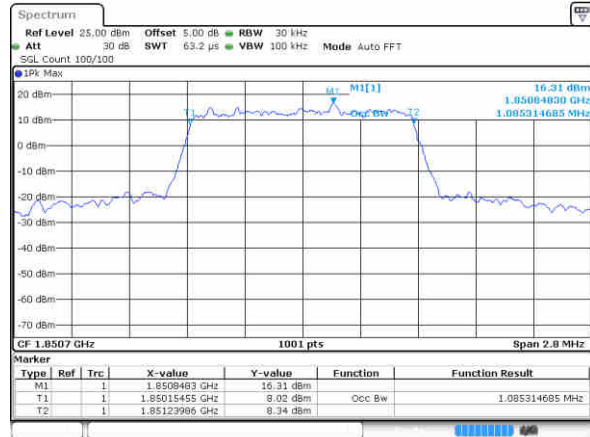


LTE Band 2

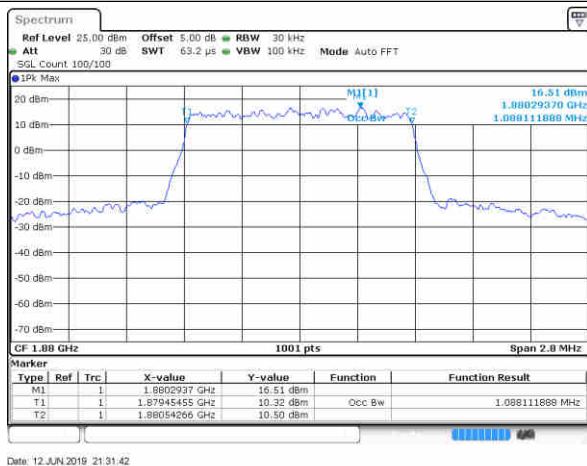
Lowest Channel / 1.4MHz / QPSK



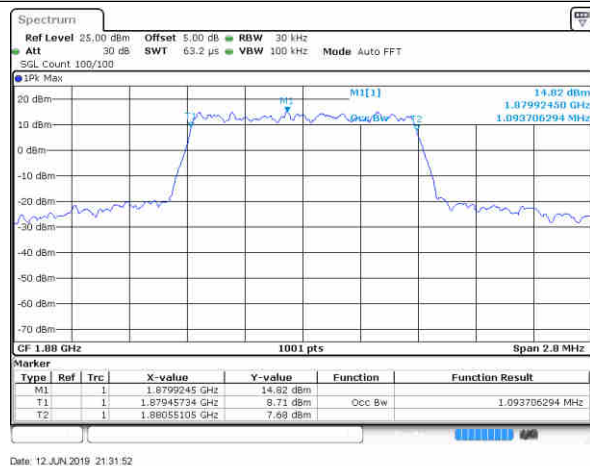
Lowest Channel / 1.4MHz / 16QAM



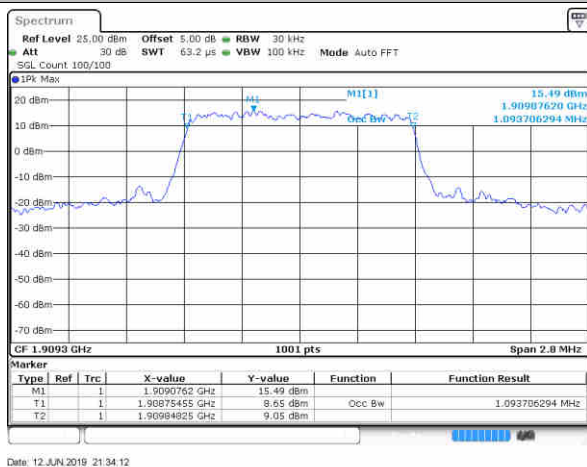
Middle Channel / 1.4MHz / QPSK



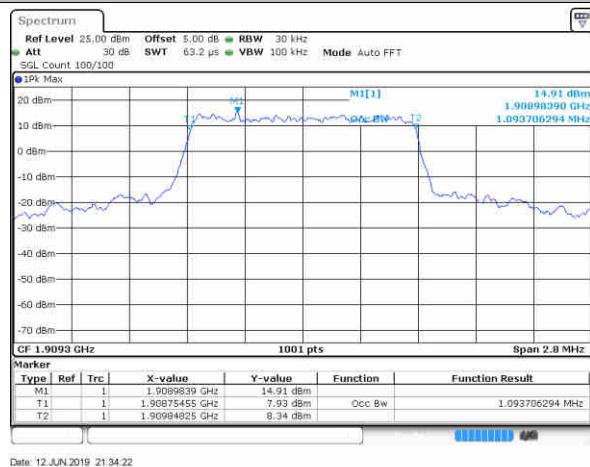
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



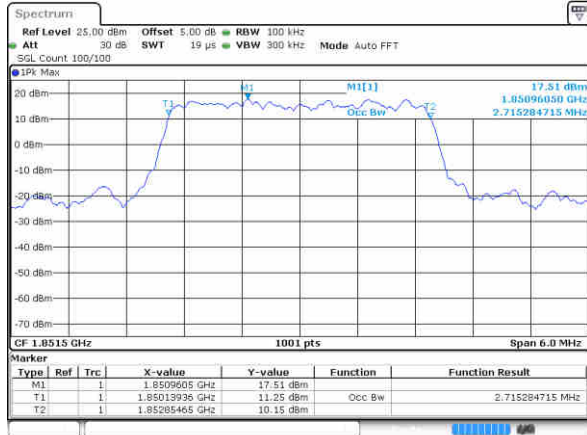
Highest Channel / 1.4MHz / 16QAM



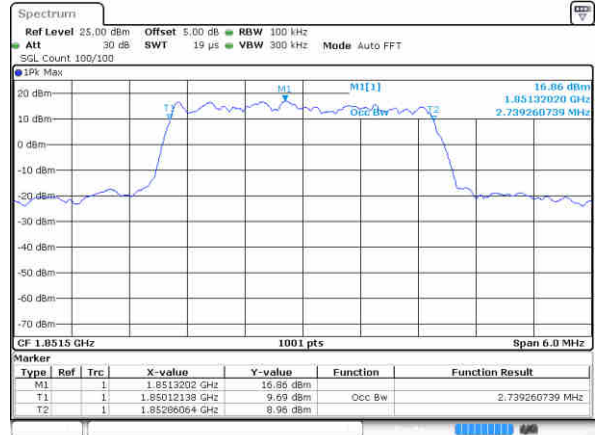


LTE Band 2

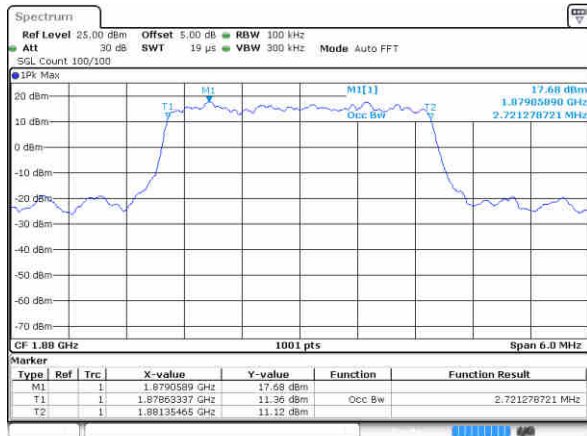
Lowest Channel / 3MHz / QPSK



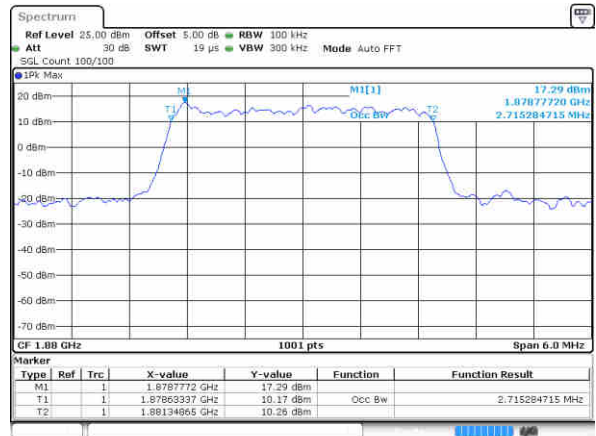
Lowest Channel / 3MHz / 16QAM



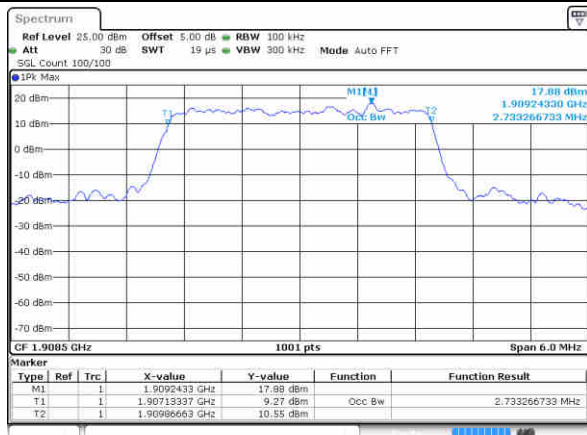
Middle Channel / 3MHz / QPSK



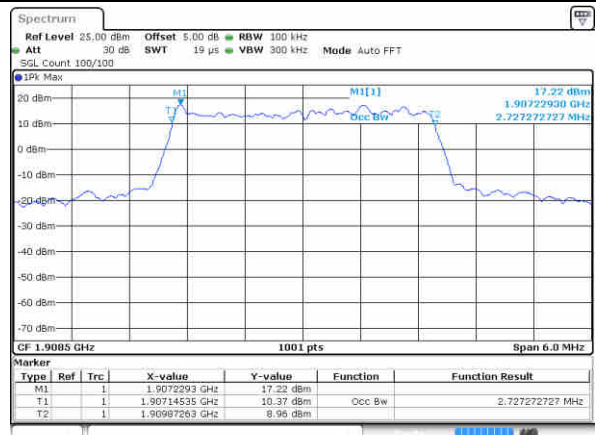
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



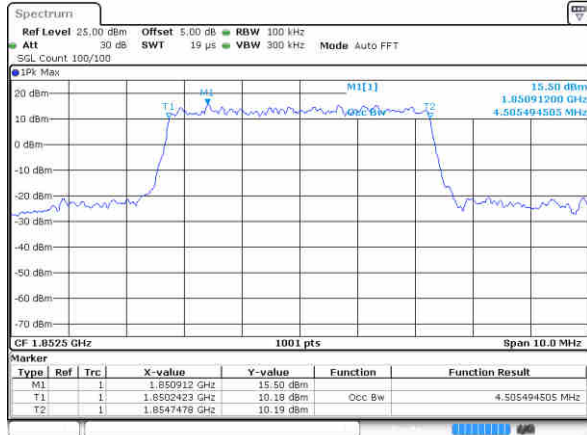
Highest Channel / 3MHz / 16QAM





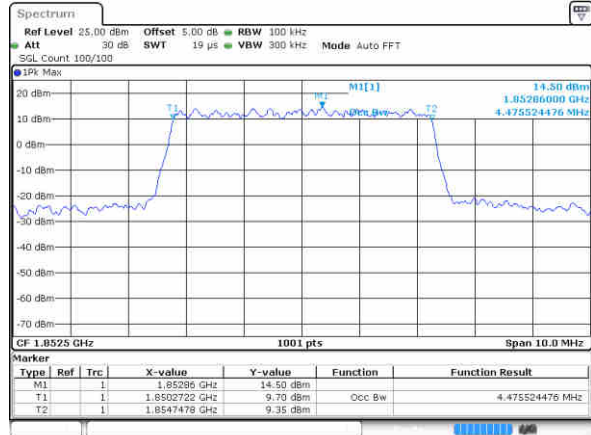
LTE Band 2

Lowest Channel / 5MHz / QPSK



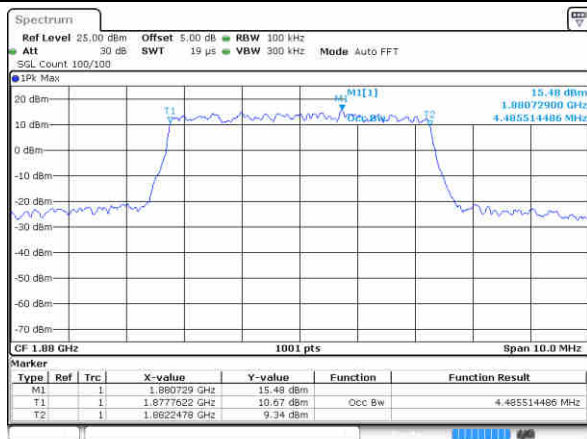
Date: 12 JUN 2019 21:57:42

Lowest Channel / 5MHz / 16QAM



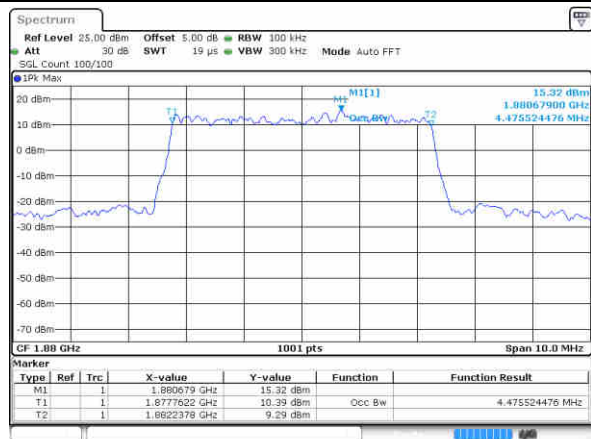
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Middle Channel / 5MHz / QPSK



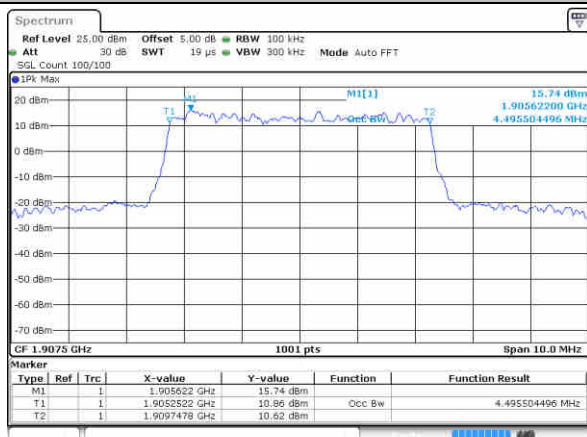
Date: 12 JUN 2019 22:04:42

Middle Channel / 5MHz / 16QAM



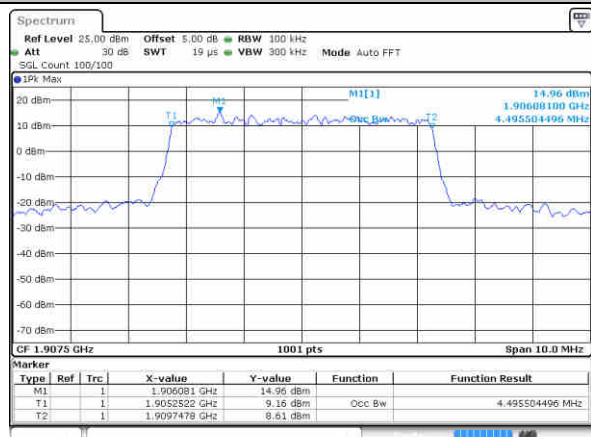
Date: 12 JUN 2019 22:04:52

Highest Channel / 5MHz / QPSK



Date: 12 JUN 2019 22:07:12

Highest Channel / 5MHz / 16QAM

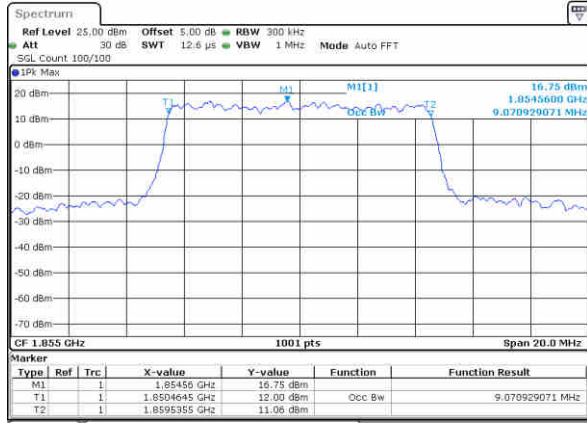


Date: 12 JUN 2019 22:07:22

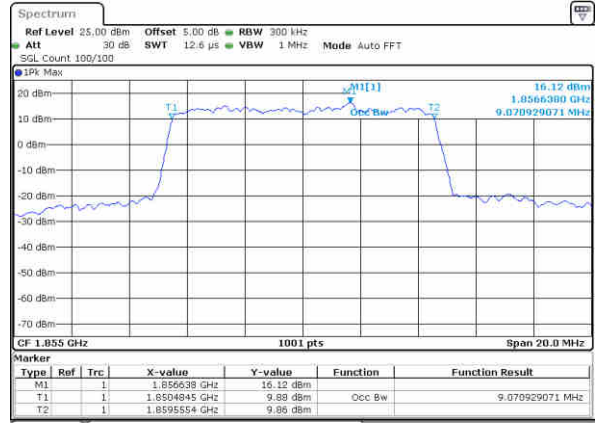


LTE Band 2

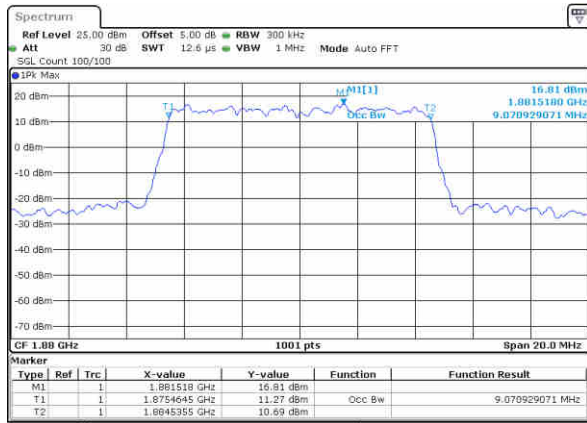
Lowest Channel / 10MHz / QPSK



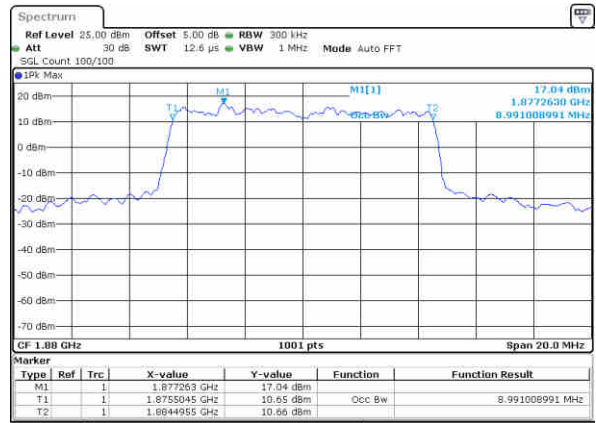
Lowest Channel / 10MHz / 16QAM



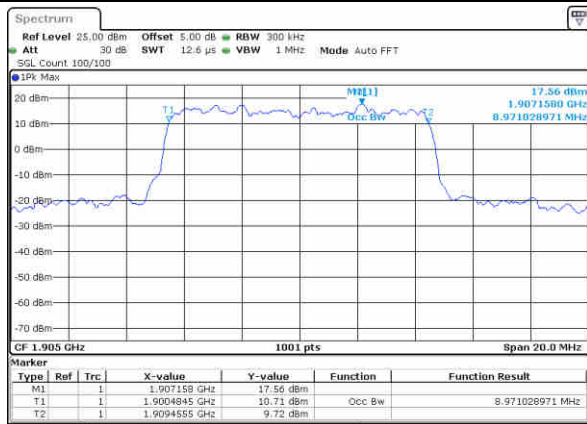
Middle Channel / 10MHz / QPSK



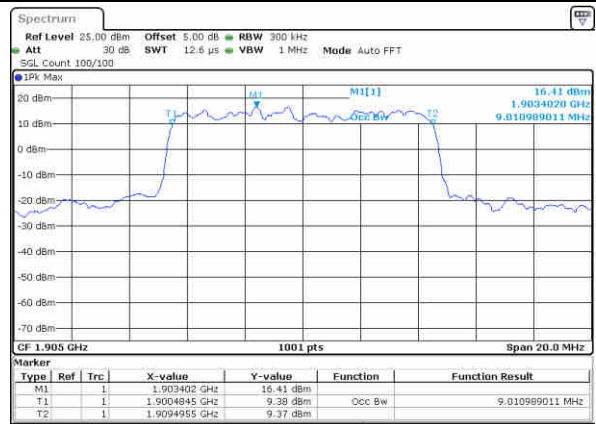
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



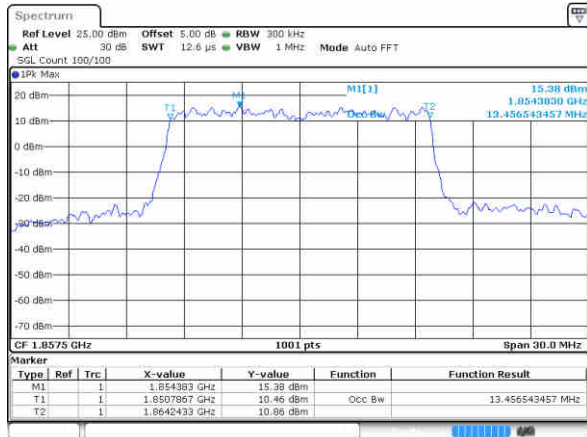
Highest Channel / 10MHz / 16QAM



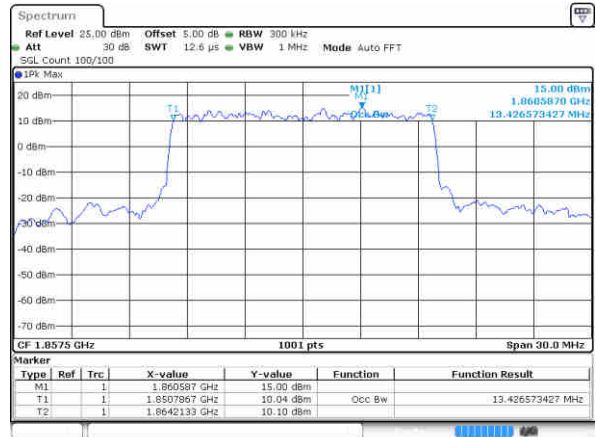


LTE Band 2

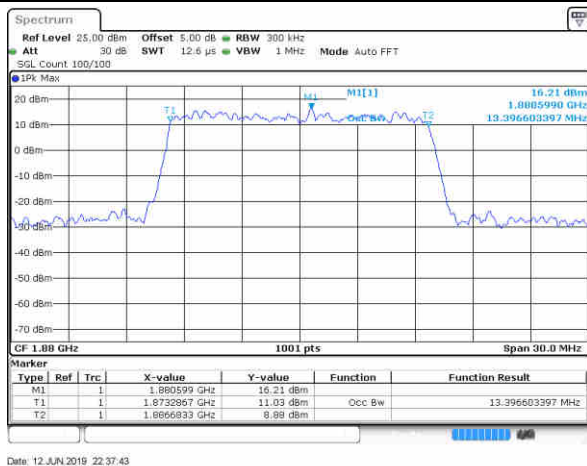
Lowest Channel / 15MHz / QPSK



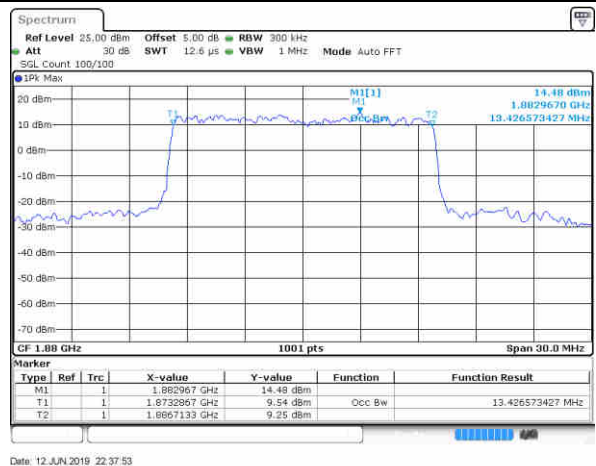
Lowest Channel / 15MHz / 16QAM



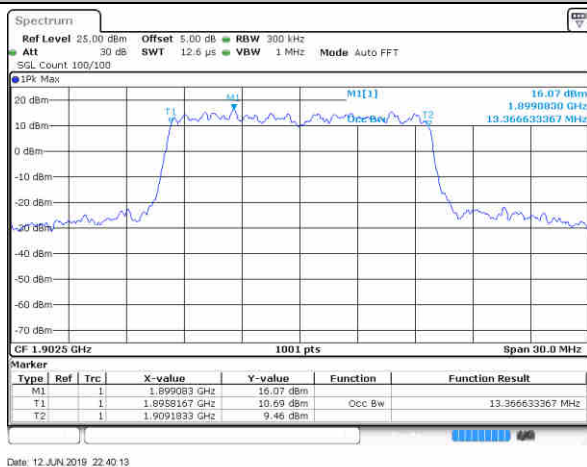
Middle Channel / 15MHz / QPSK



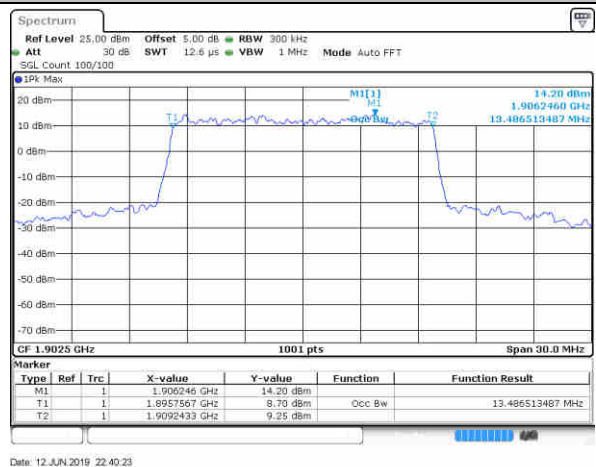
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



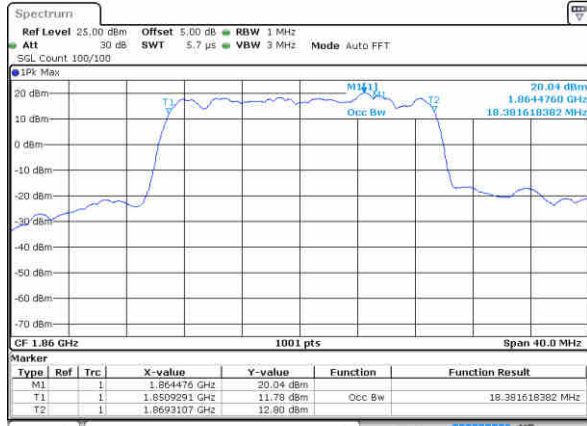
Highest Channel / 15MHz / 16QAM





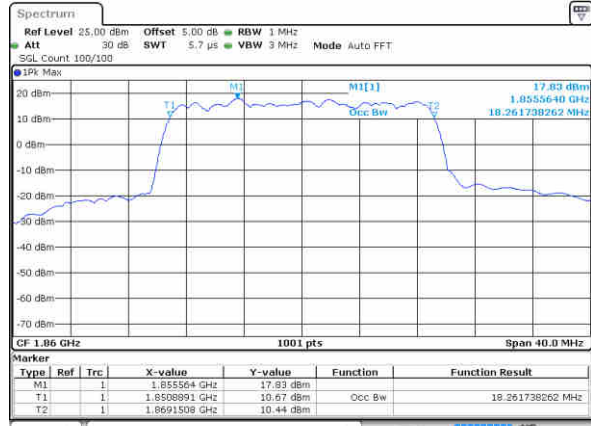
LTE Band 2

Lowest Channel / 20MHz / QPSK



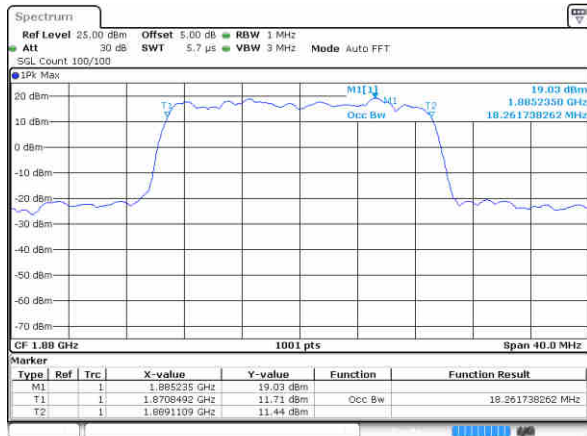
Date: 12 JUN 2019 22:47:13

Lowest Channel / 20MHz / 16QAM



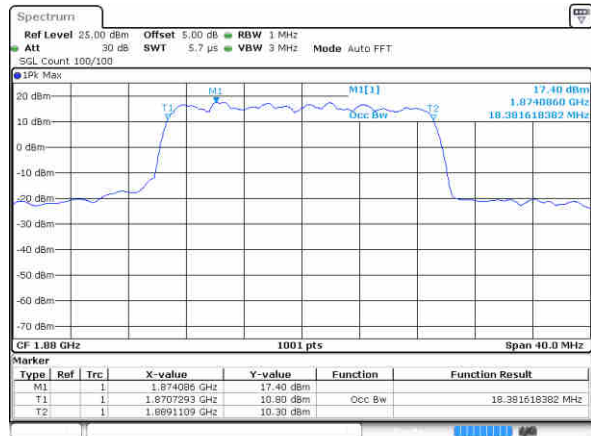
Date: 12 JUN 2019 22:47:23

Middle Channel / 20MHz / QPSK



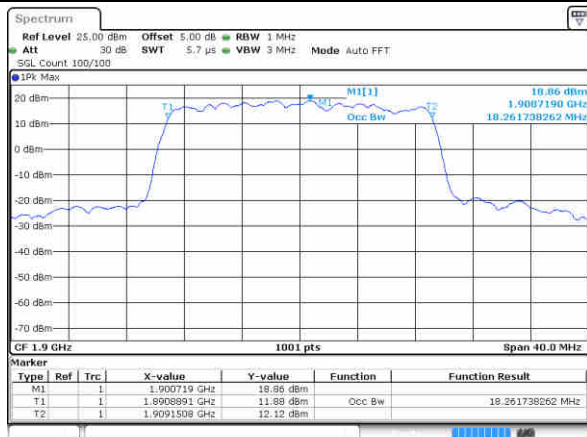
Date: 12 JUN 2019 22:54:13

Middle Channel / 20MHz / 16QAM



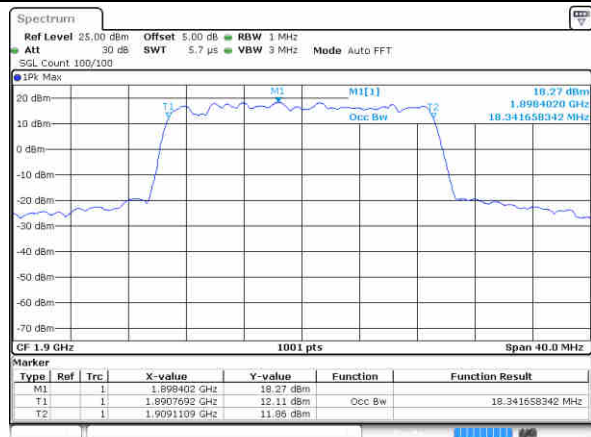
Date: 12 JUN 2019 22:54:23

Highest Channel / 20MHz / QPSK



Date: 12 JUN 2019 22:56:43

Highest Channel / 20MHz / 16QAM

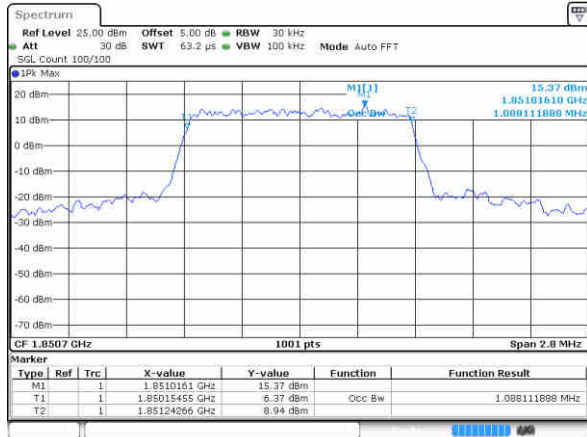


Date: 12 JUN 2019 22:56:53

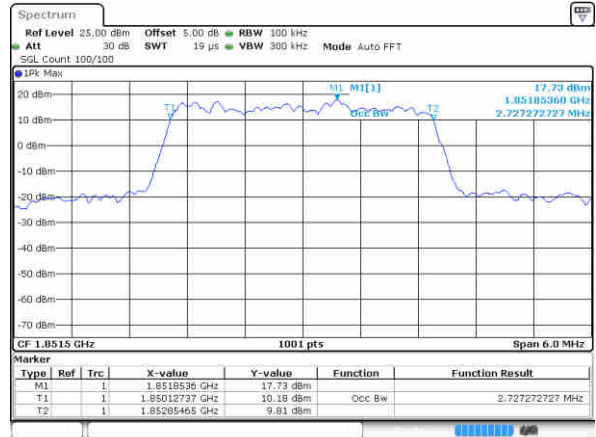


LTE Band 2

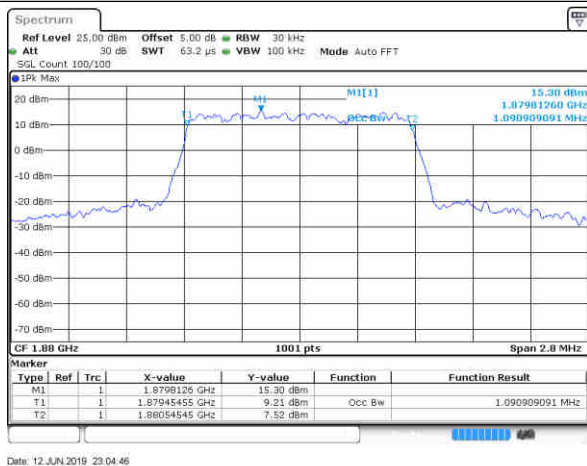
Lowest Channel / 1.4MHz / 64QAM



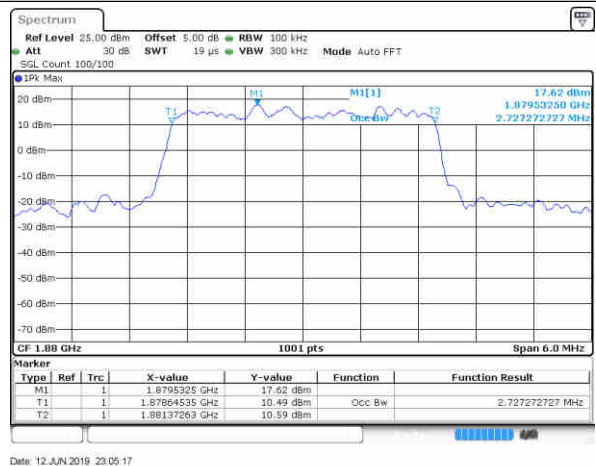
Lowest Channel / 3MHz / 64QAM



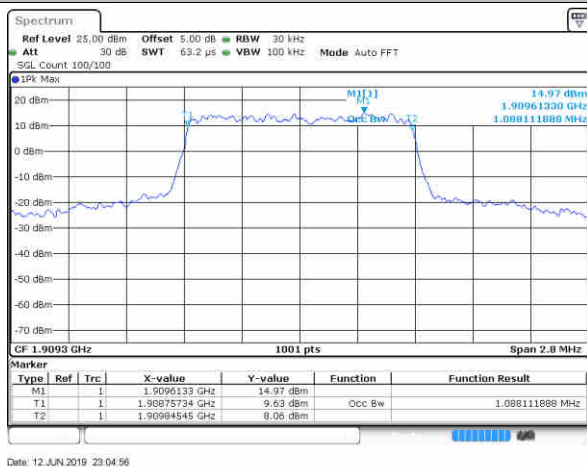
Middle Channel / 1.4MHz / 64QAM



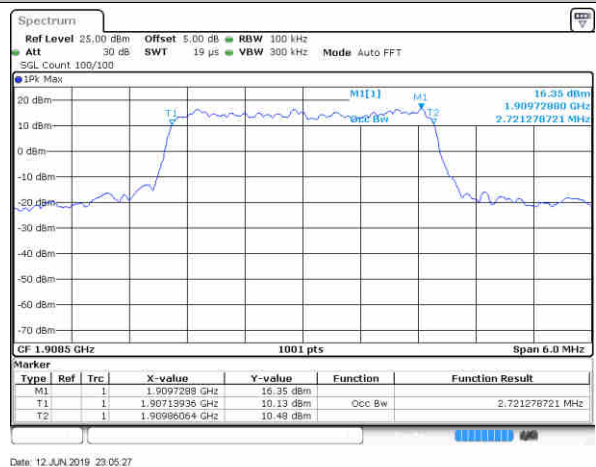
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM



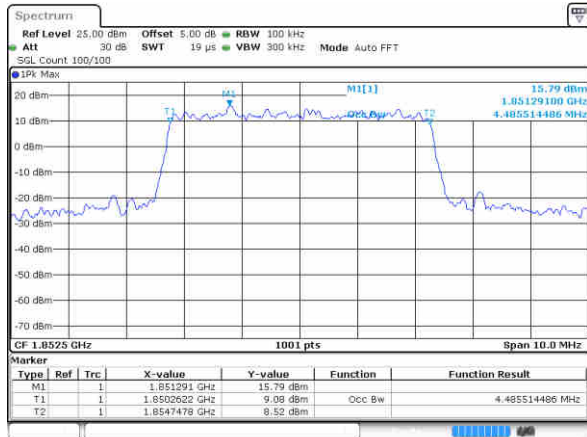
Highest Channel / 3MHz / 64QAM



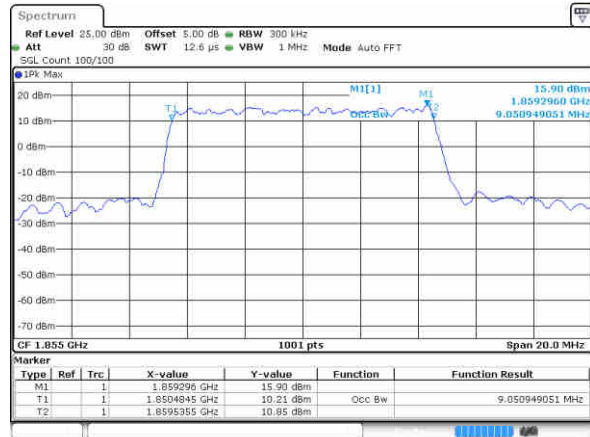


LTE Band 2

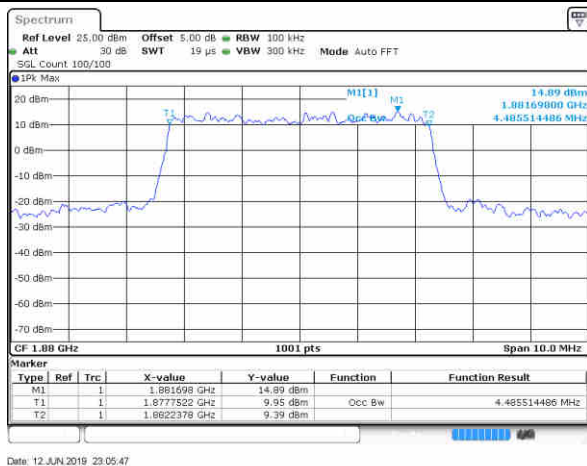
Lowest Channel / 5MHz / 64QAM



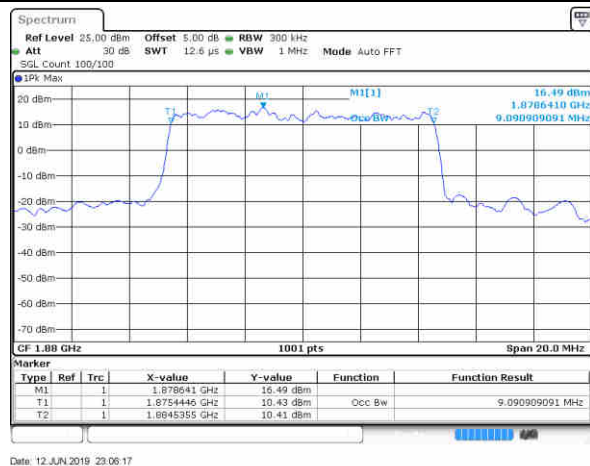
Lowest Channel / 10MHz / 64QAM



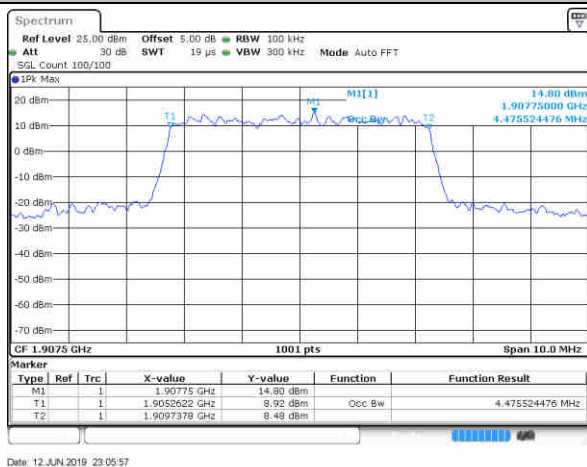
Middle Channel / 5MHz / 64QAM



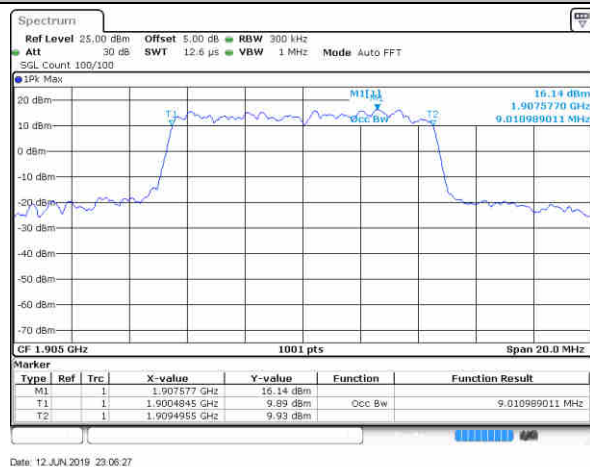
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



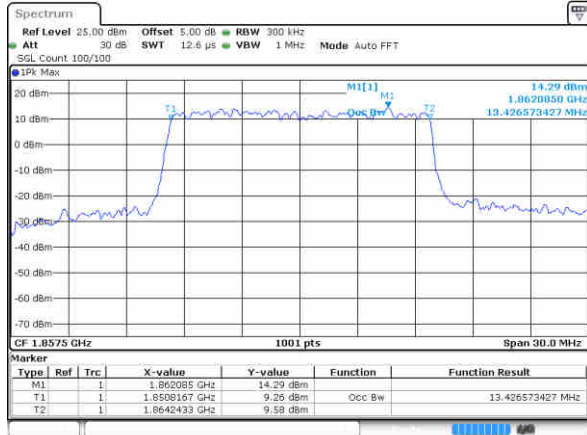
Highest Channel / 10MHz / 64QAM



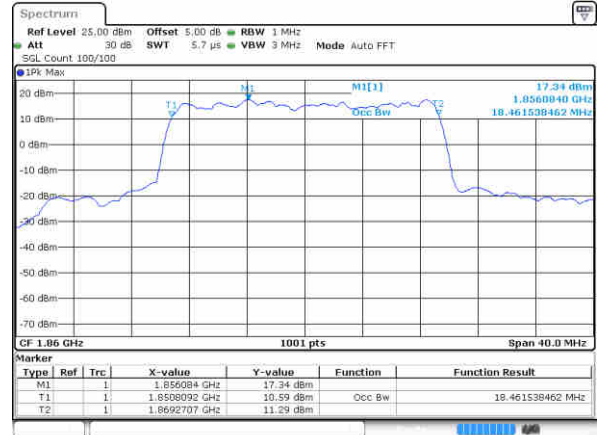


LTE Band 2

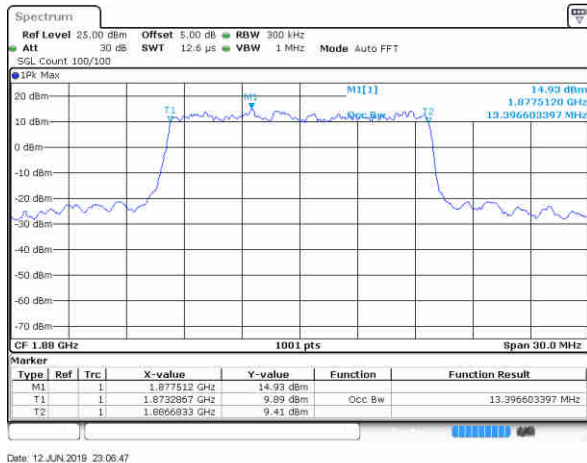
Lowest Channel / 15MHz / 64QAM



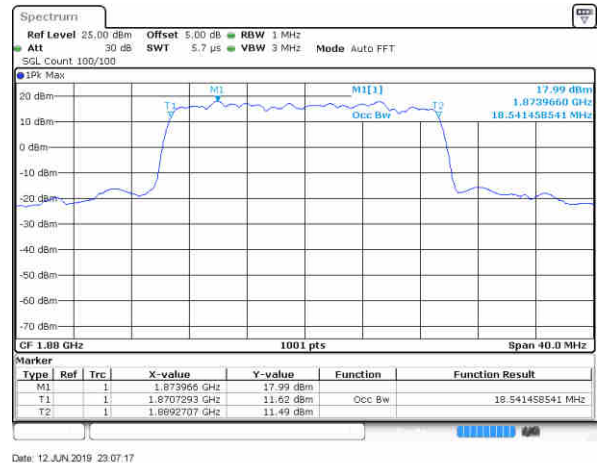
Lowest Channel / 20MHz / 64QAM



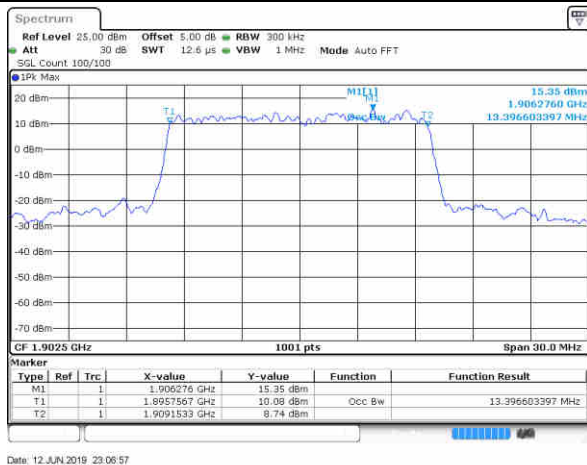
Middle Channel / 15MHz / 64QAM



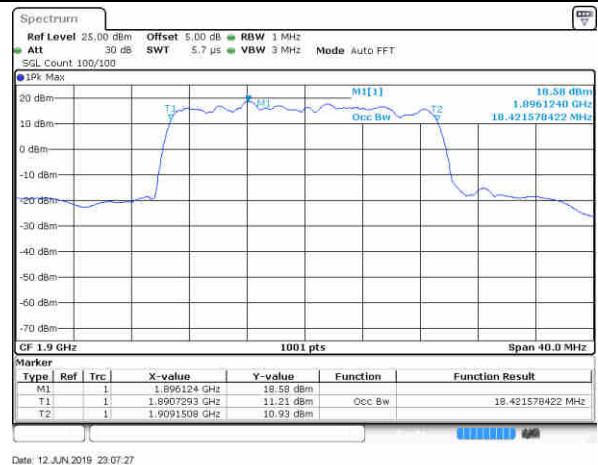
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



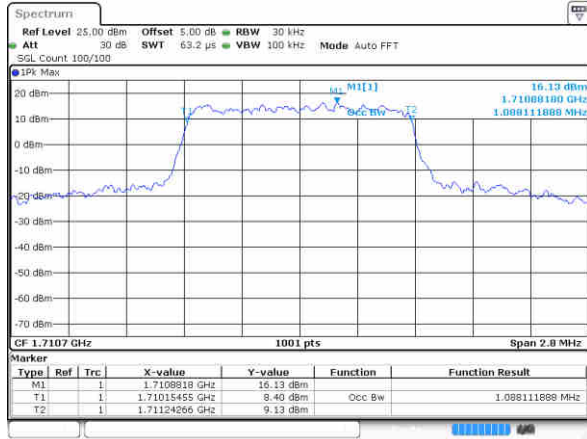
Highest Channel / 20MHz / 64QAM



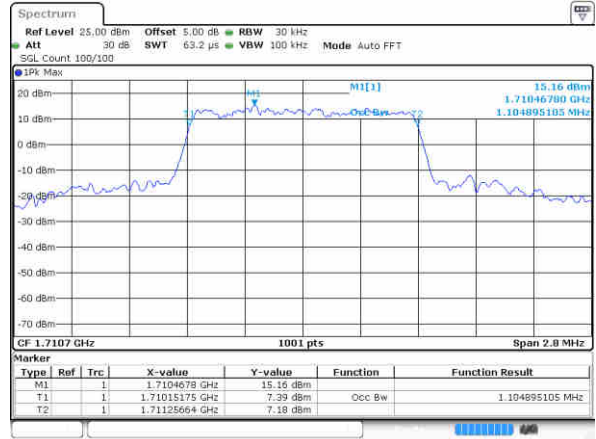


LTE Band 4

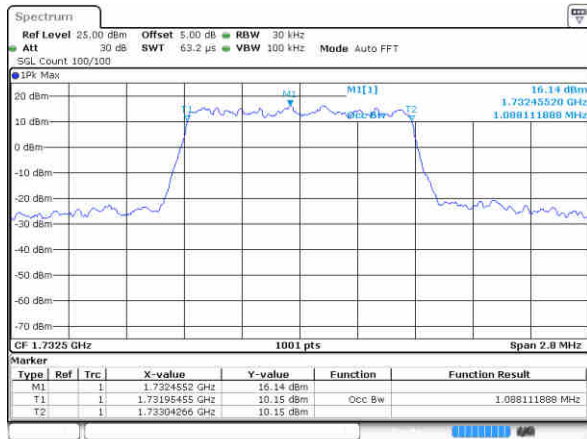
Lowest Channel / 1.4MHz / QPSK



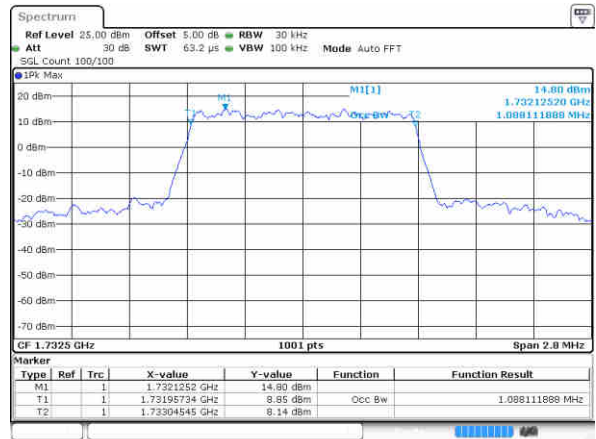
Lowest Channel / 1.4MHz / 16QAM



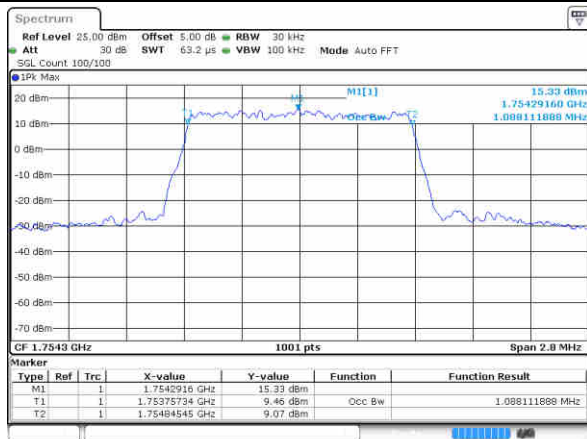
Middle Channel / 1.4MHz / QPSK



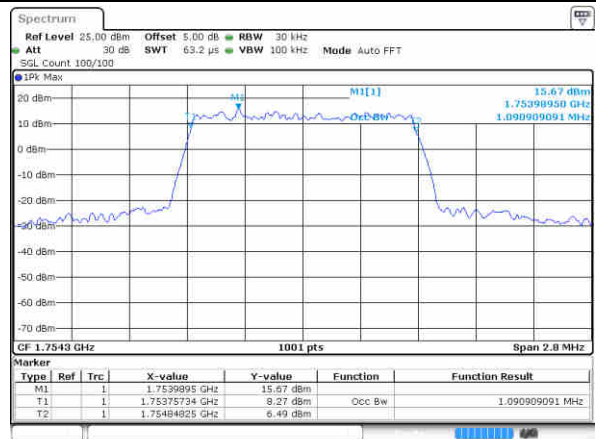
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



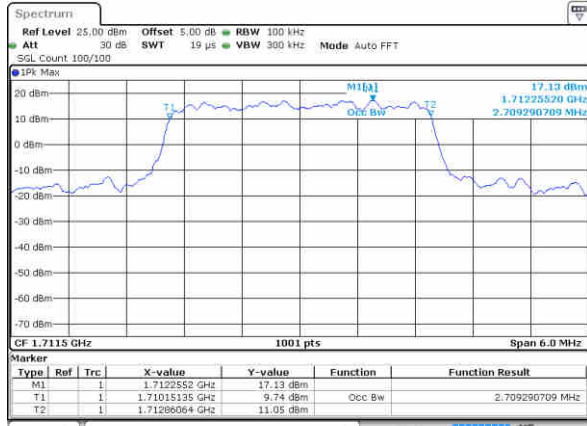
Highest Channel / 1.4MHz / 16QAM



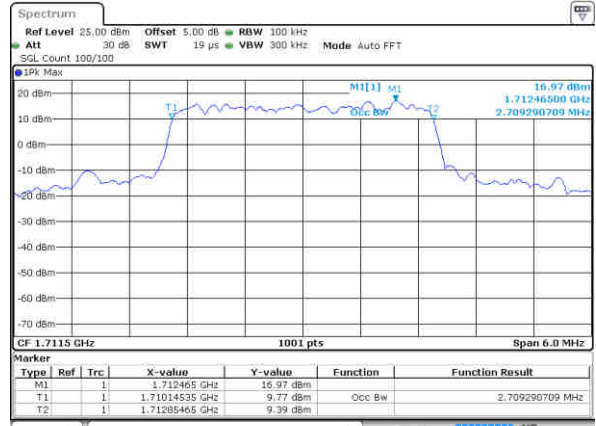


LTE Band 4

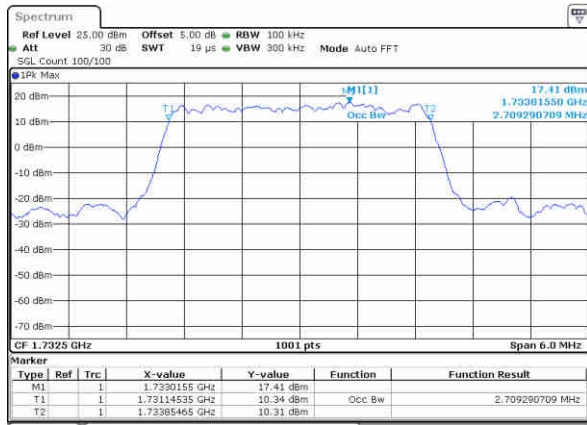
Lowest Channel / 3MHz / QPSK



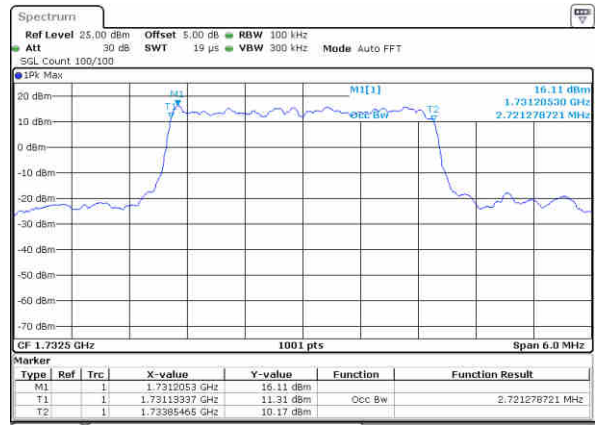
Lowest Channel / 3MHz / 16QAM



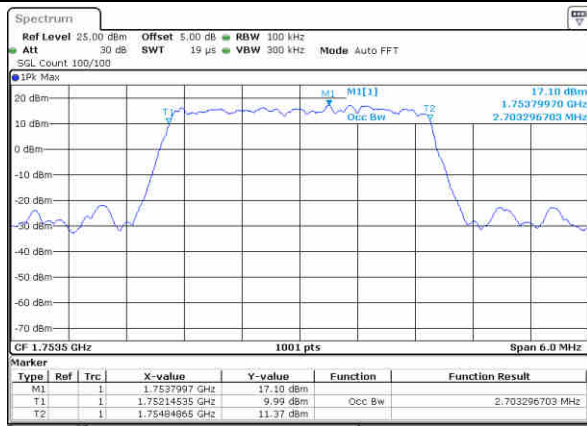
Middle Channel / 3MHz / QPSK



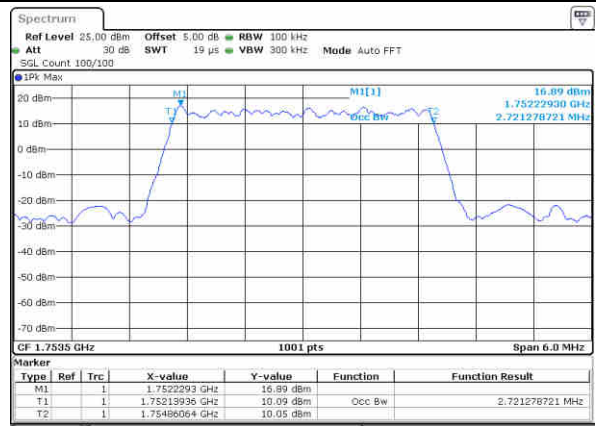
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



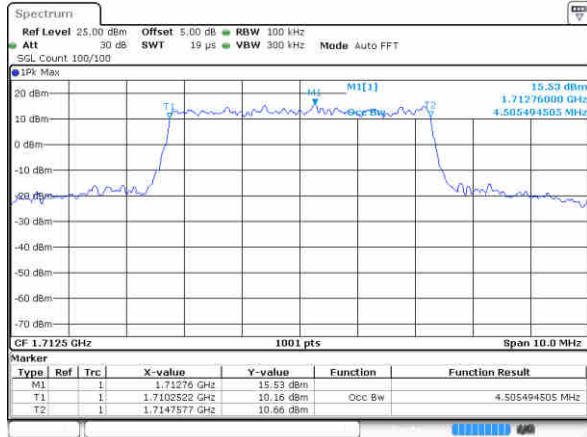
Highest Channel / 3MHz / 16QAM



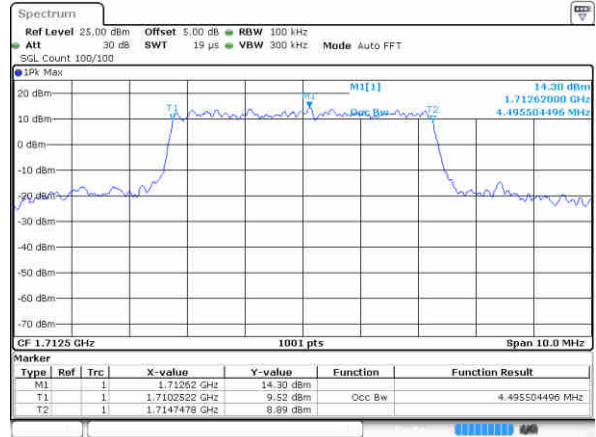


LTE Band 4

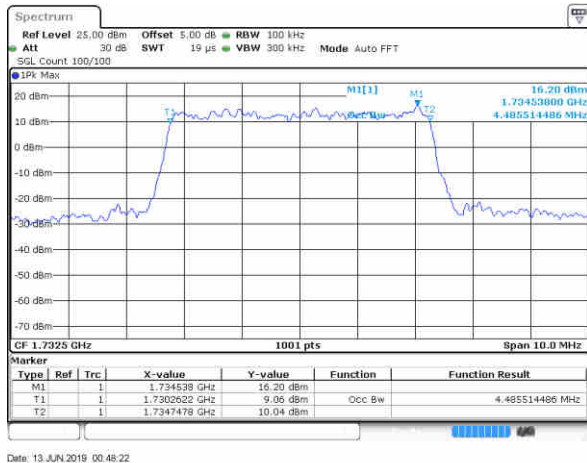
Lowest Channel / 5MHz / QPSK



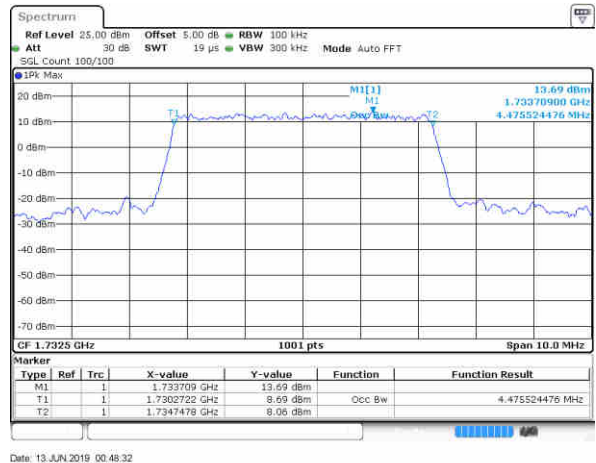
Lowest Channel / 5MHz / 16QAM



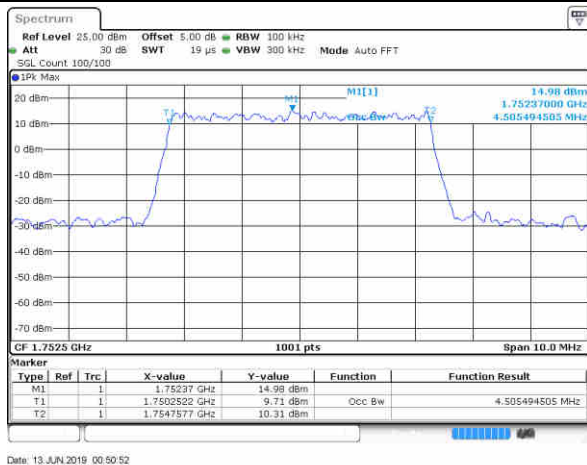
Middle Channel / 5MHz / QPSK



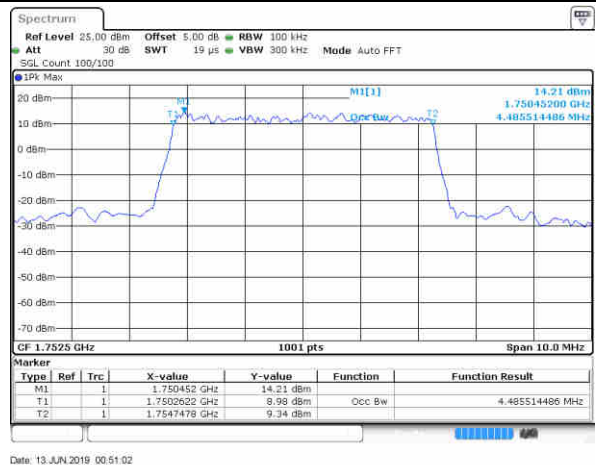
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



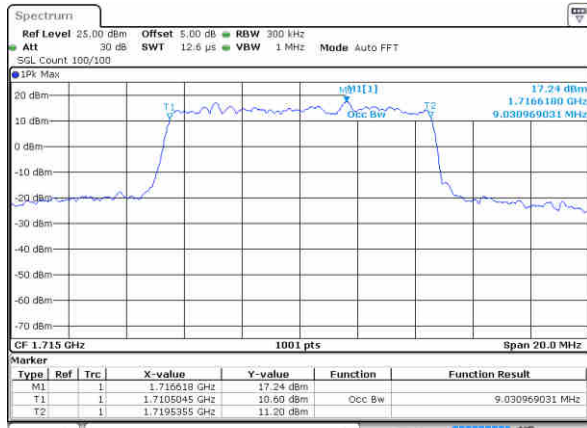
Highest Channel / 5MHz / 16QAM



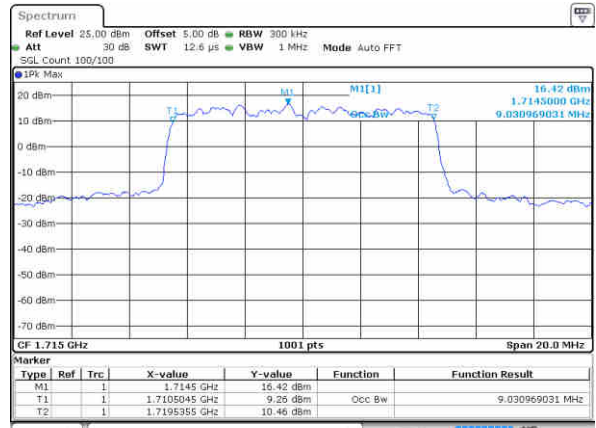


LTE Band 4

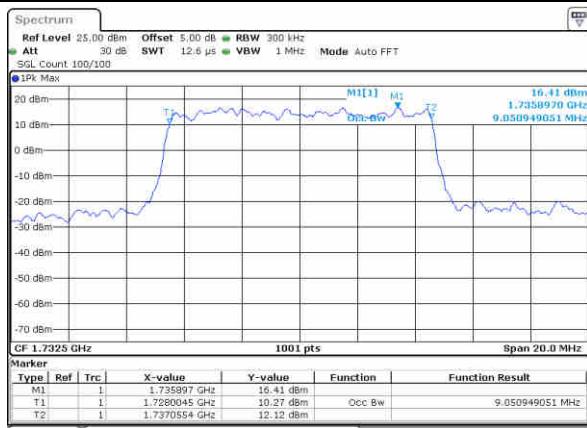
Lowest Channel / 10MHz / QPSK



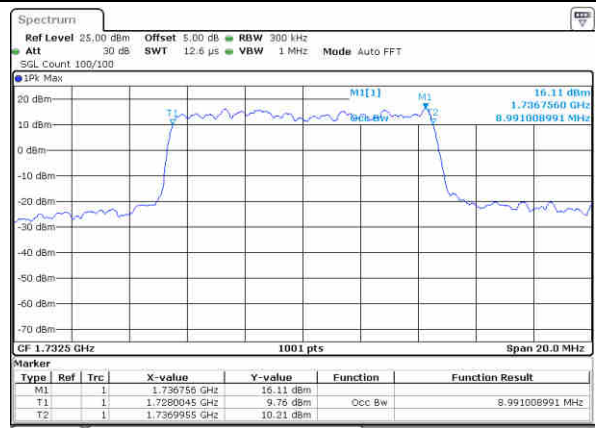
Lowest Channel / 10MHz / 16QAM



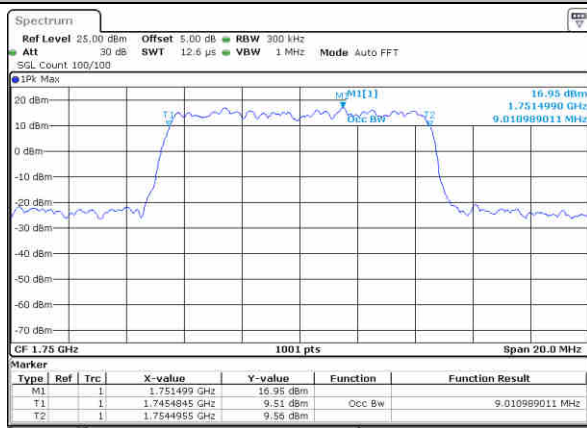
Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



Highest Channel / 10MHz / 16QAM

