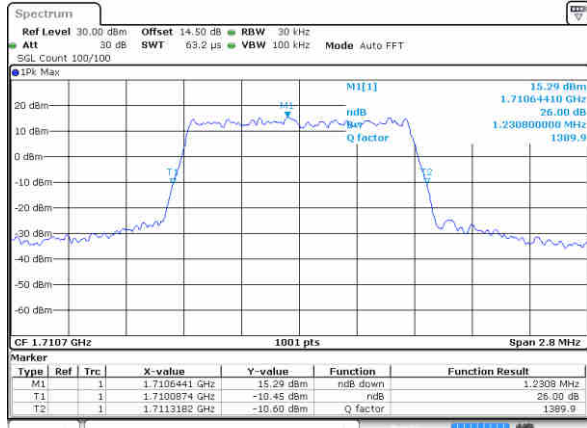




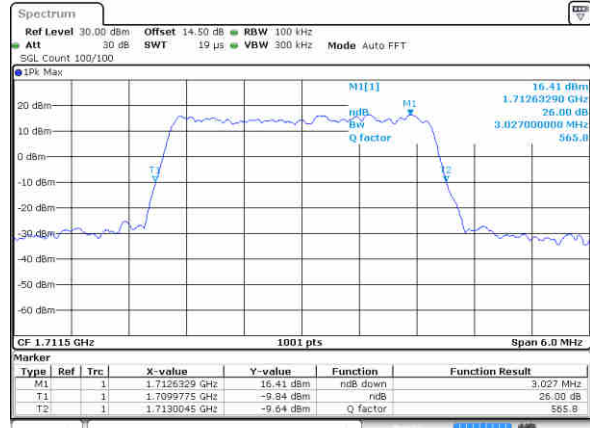
LTE Band 66

Lowest Channel / 1.4MHz / 64QAM



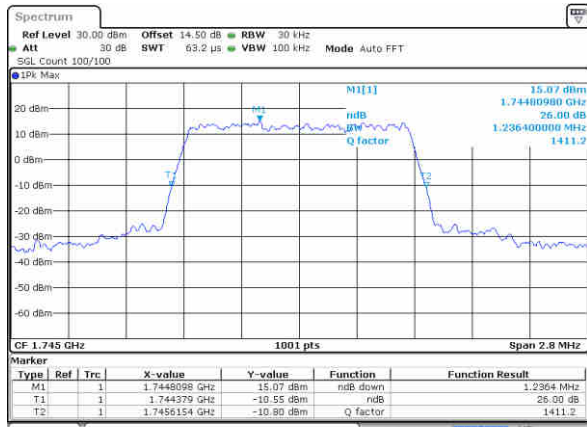
Date: 11 MAY 2019 19:30:25

Lowest Channel / 3MHz / 64QAM



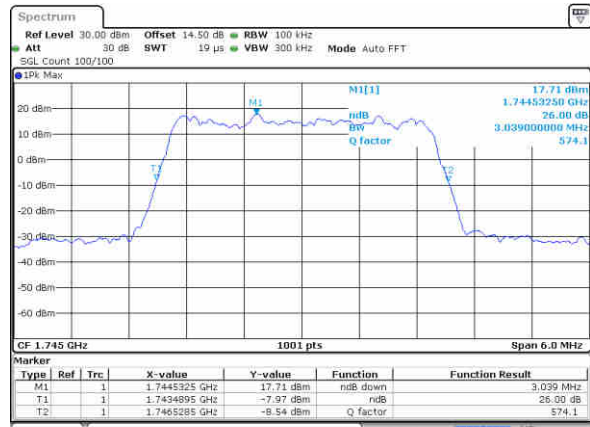
Date: 11 MAY 2019 19:59:48

Middle Channel / 1.4MHz / 64QAM



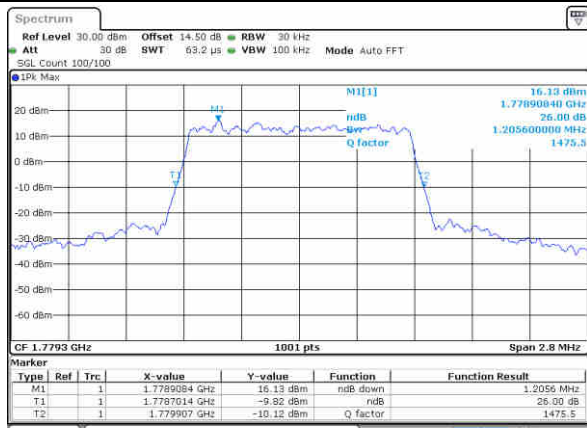
Date: 11 MAY 2019 19:25:39

Middle Channel / 3MHz / 64QAM



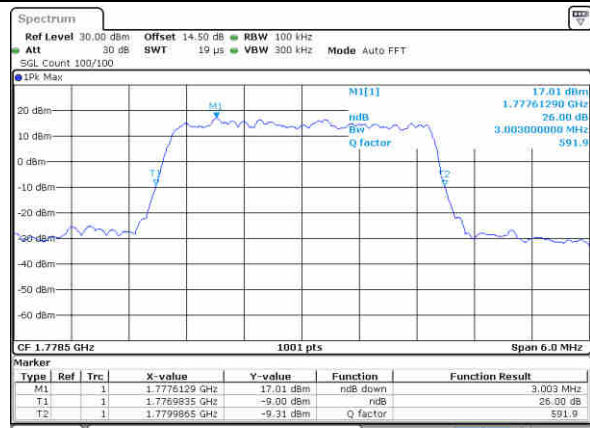
Date: 11 MAY 2019 19:56:09

Highest Channel / 1.4MHz / 64QAM



Date: 11 MAY 2019 19:24:05

Highest Channel / 3MHz / 64QAM

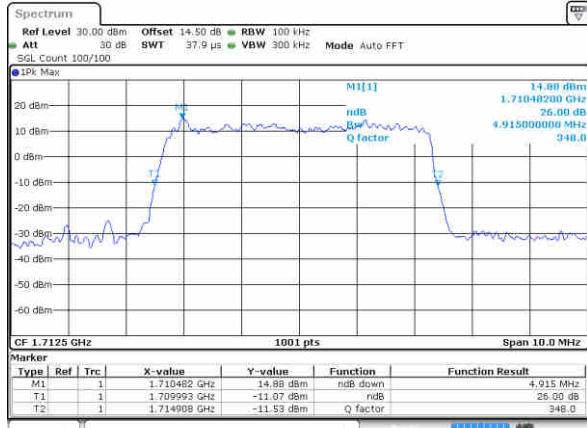


Date: 11 MAY 2019 19:55:22



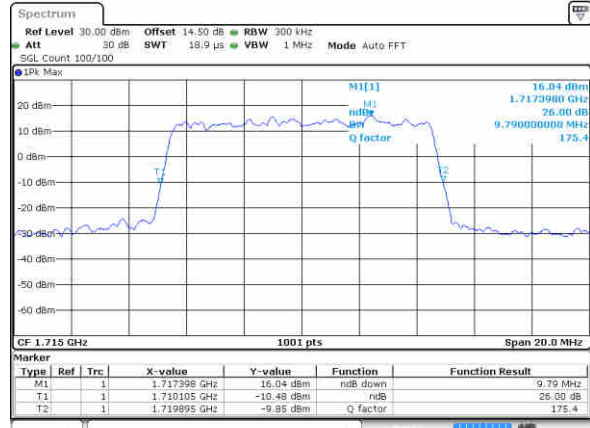
LTE Band 66

Lowest Channel / 5MHz / 64QAM



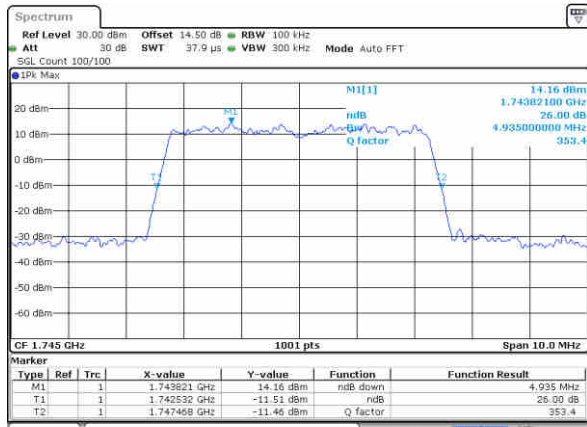
Date: 12 MAY 2019 10:50:41

Lowest Channel / 10MHz / 64QAM



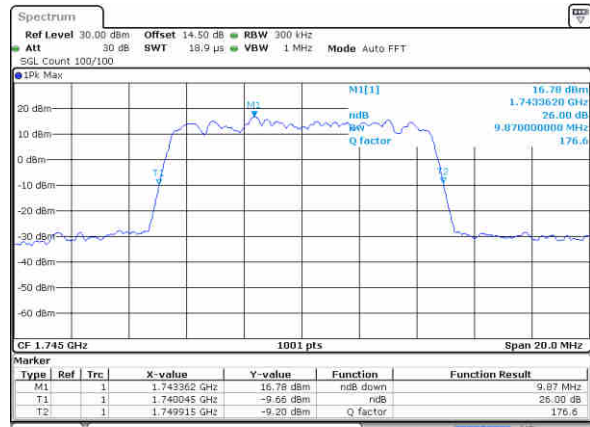
Date: 12 MAY 2019 11:29:13

Middle Channel / 5MHz / 64QAM



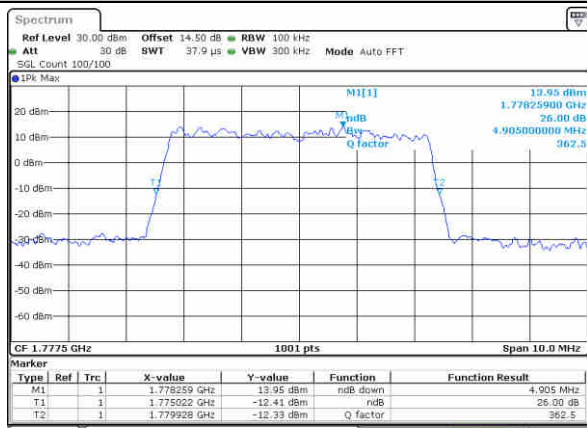
Date: 12 MAY 2019 10:43:58

Middle Channel / 10MHz / 64QAM



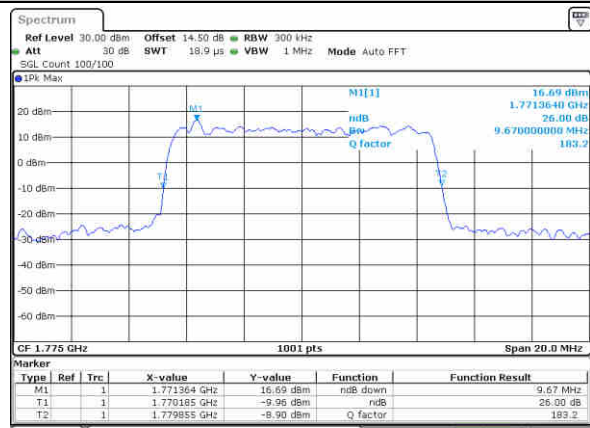
Date: 12 MAY 2019 11:31:47

Highest Channel / 5MHz / 64QAM



Date: 12 MAY 2019 10:42:11

Highest Channel / 10MHz / 64QAM

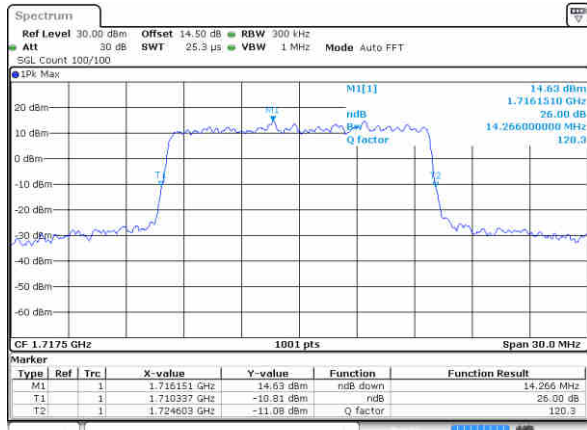


Date: 12 MAY 2019 11:32:20



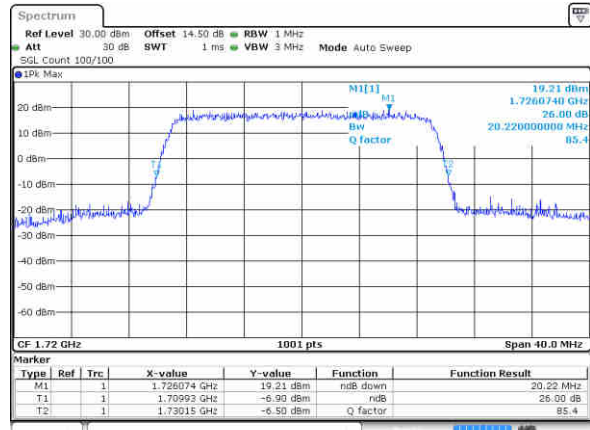
LTE Band 66

Lowest Channel / 15MHz / 64QAM



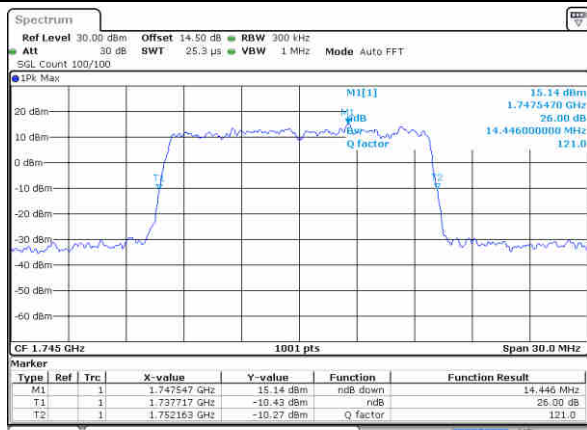
Date: 12 MAY 2019 12:40:07

Lowest Channel / 20MHz / 64QAM



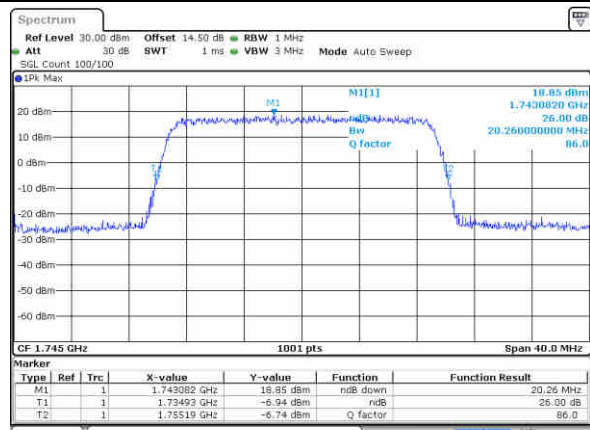
Date: 12 MAY 2019 12:47:36

Middle Channel / 15MHz / 64QAM



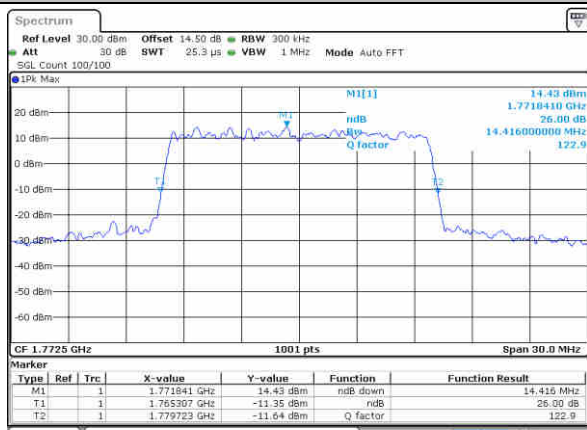
Date: 12 MAY 2019 12:39:29

Middle Channel / 20MHz / 64QAM



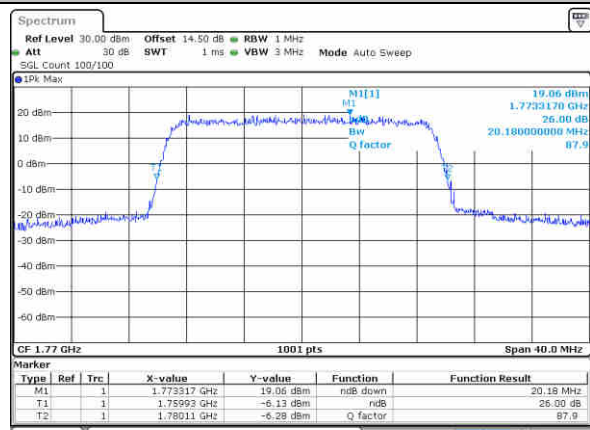
Date: 12 MAY 2019 12:56:22

Highest Channel / 15MHz / 64QAM



Date: 12 MAY 2019 12:34:39

Highest Channel / 20MHz / 64QAM

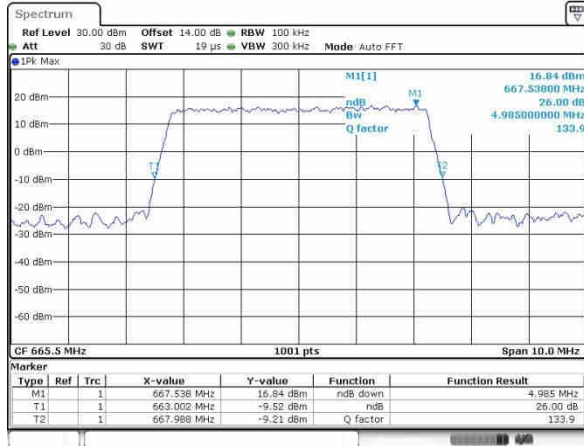


Date: 12 MAY 2019 13:03:51

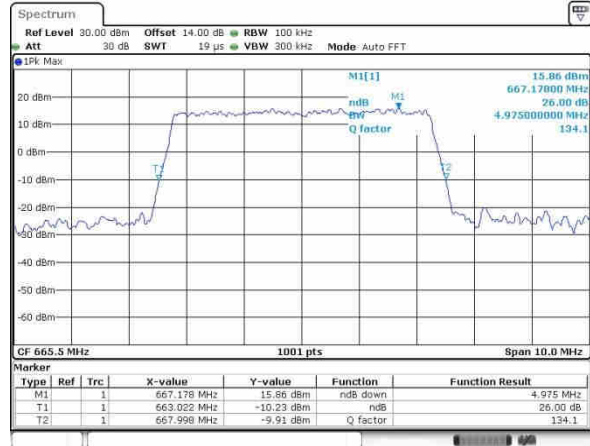


LTE Band 71

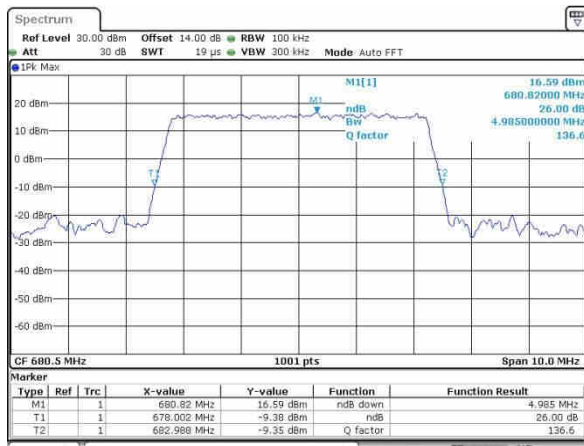
Lowest Channel / 5MHz / QPSK



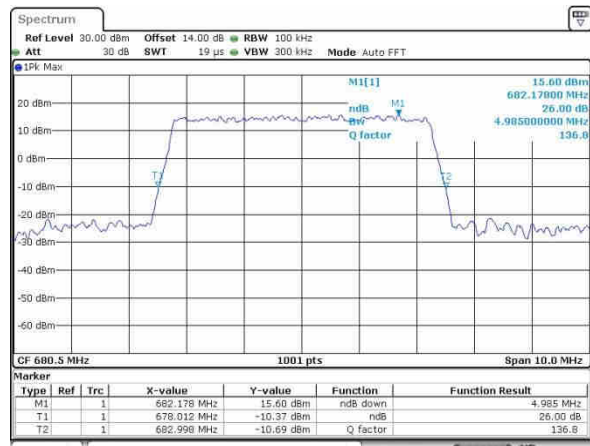
Lowest Channel / 5MHz / 16QAM



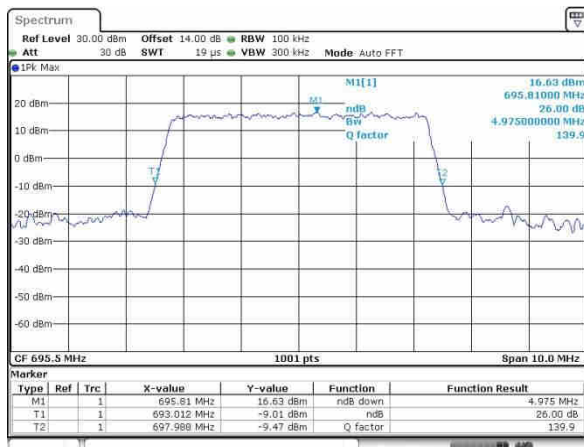
Middle Channel / 5MHz / QPSK



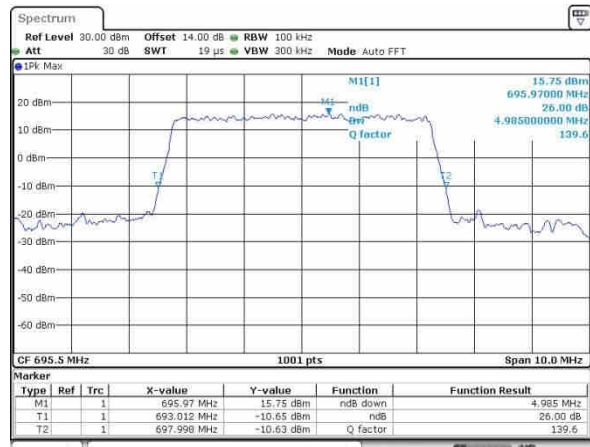
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



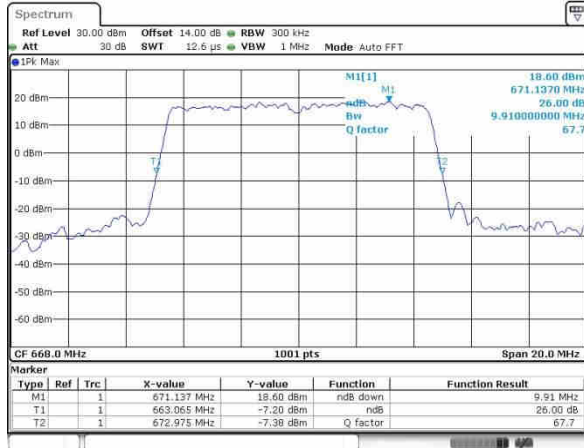
Highest Channel / 5MHz / 16QAM



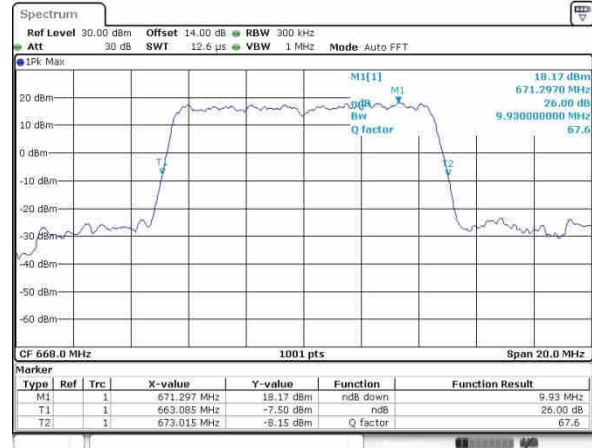


LTE Band 71

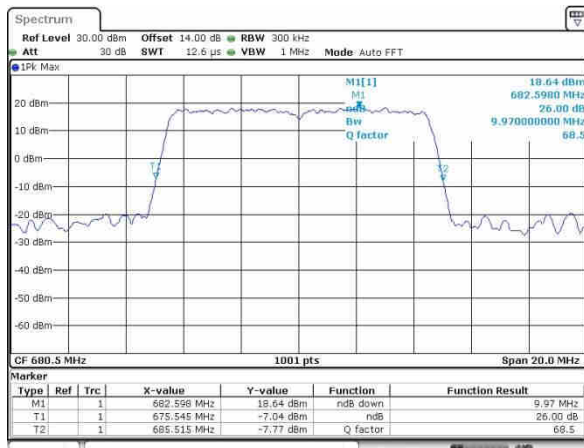
Lowest Channel / 10MHz / QPSK



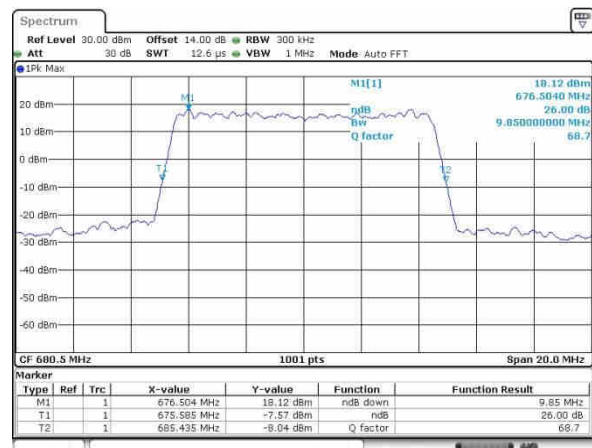
Lowest Channel / 10MHz / 16QAM



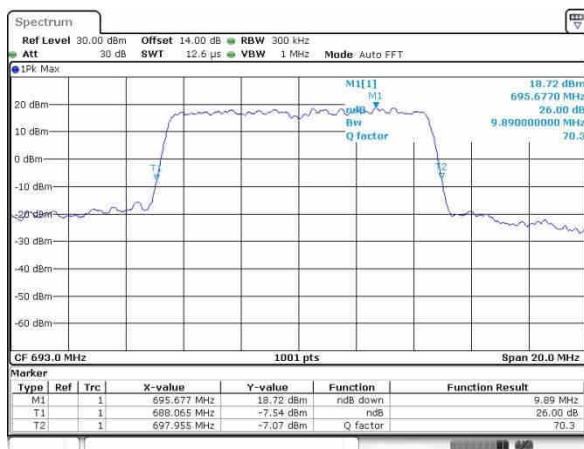
Middle Channel / 10MHz / QPSK



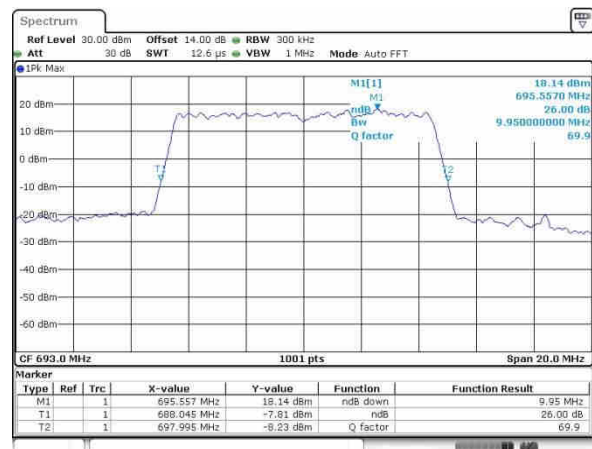
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



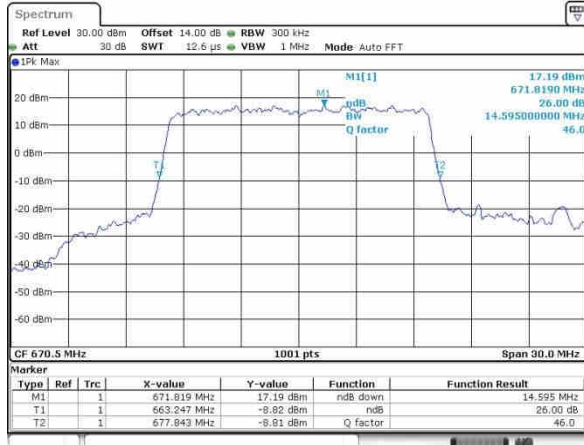
Highest Channel / 10MHz / 16QAM



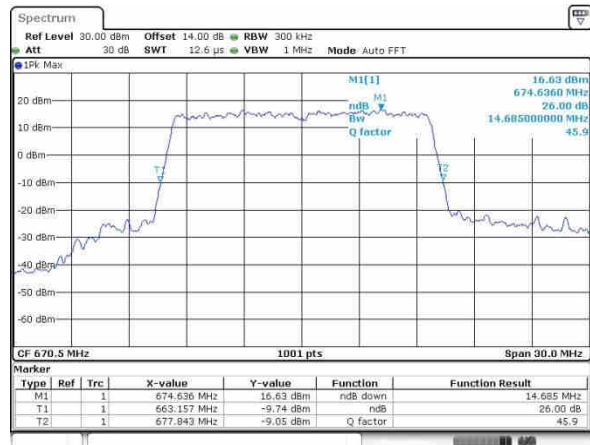


LTE Band 71

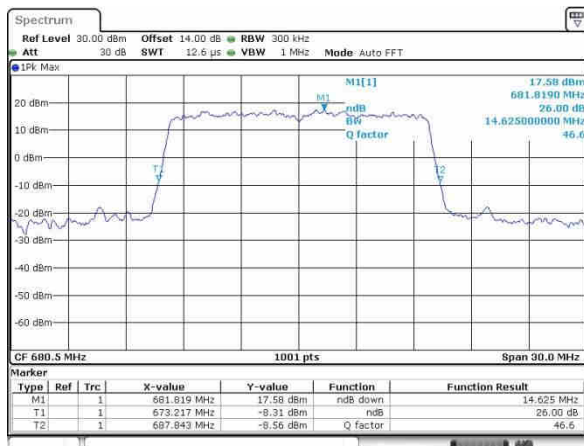
Lowest Channel / 15MHz / QPSK



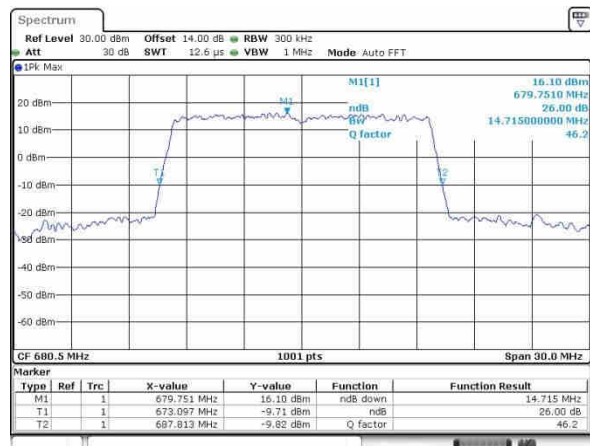
Lowest Channel / 15MHz / 16QAM



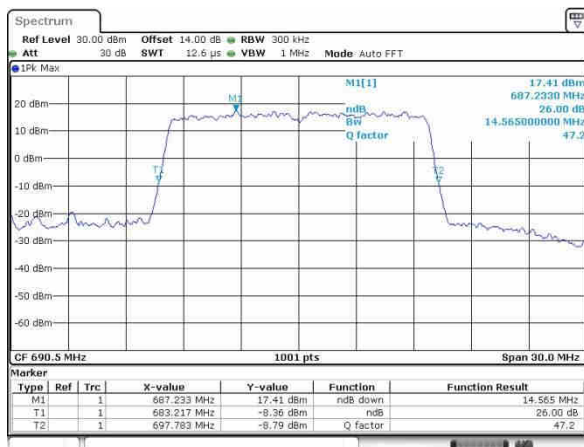
Middle Channel / 15MHz / QPSK



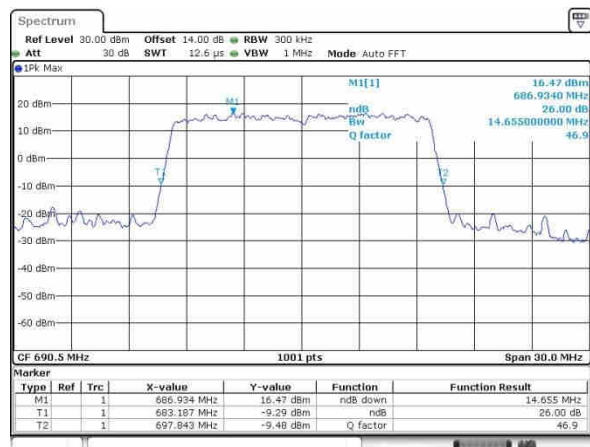
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



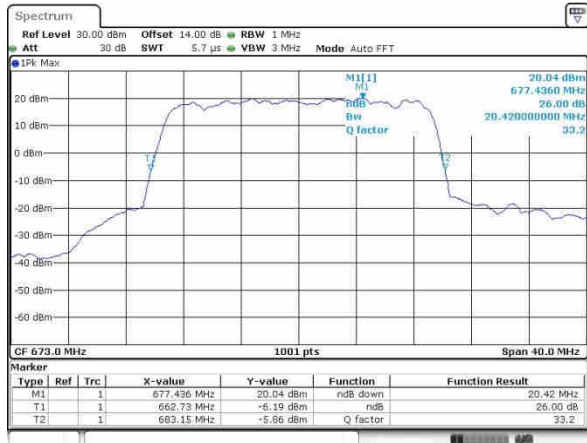
Highest Channel / 15MHz / 16QAM



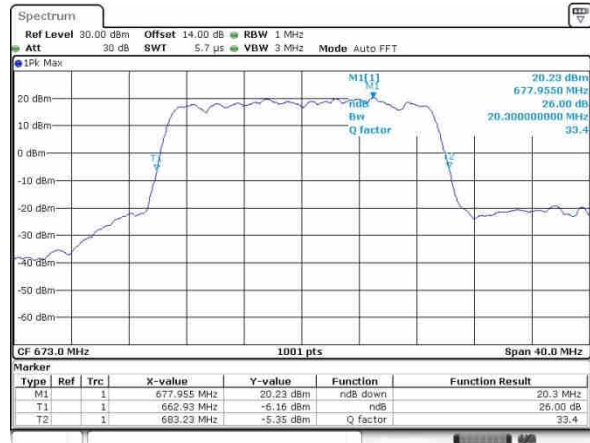


LTE Band 71

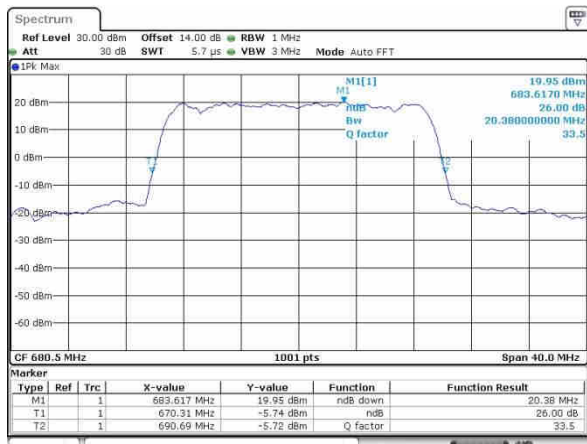
Lowest Channel / 20MHz / QPSK



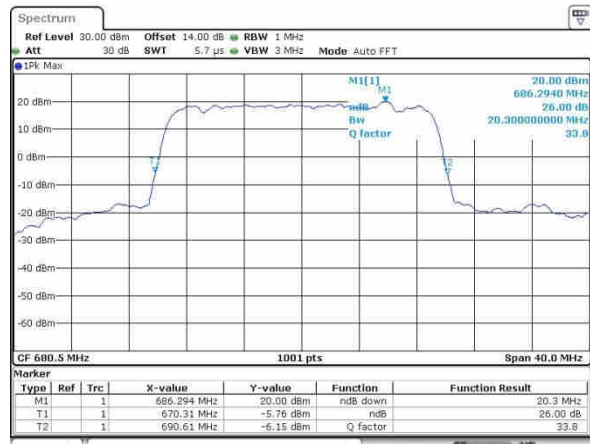
Lowest Channel / 20MHz / 16QAM



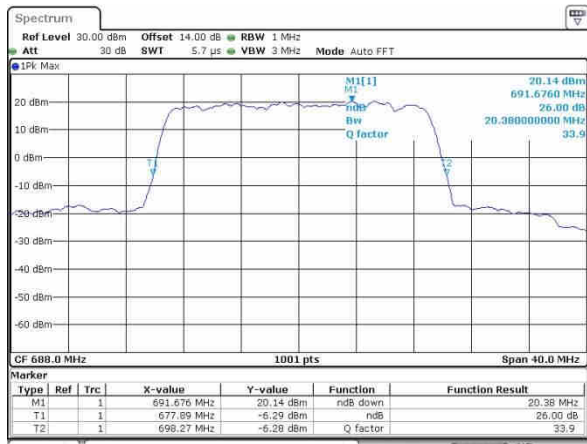
Middle Channel / 20MHz / QPSK



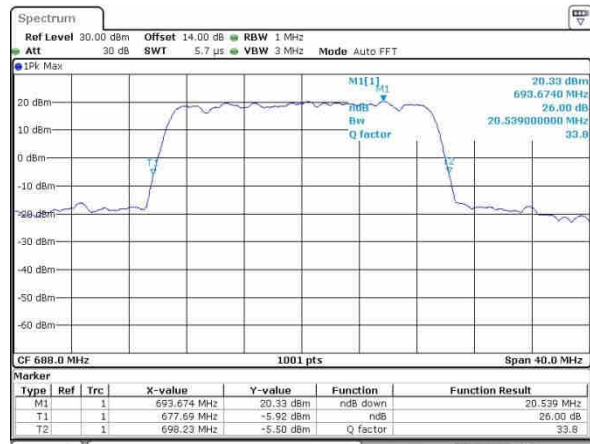
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



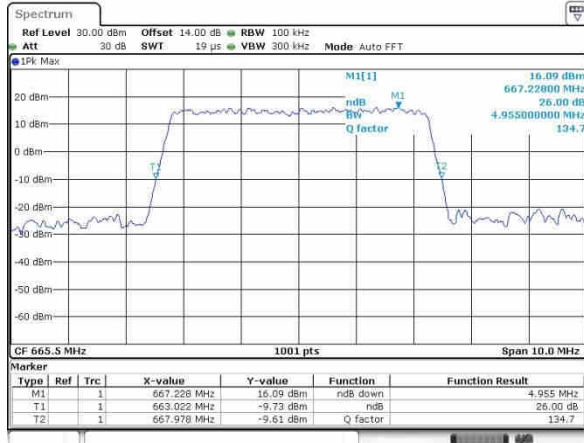
Highest Channel / 20MHz / 16QAM



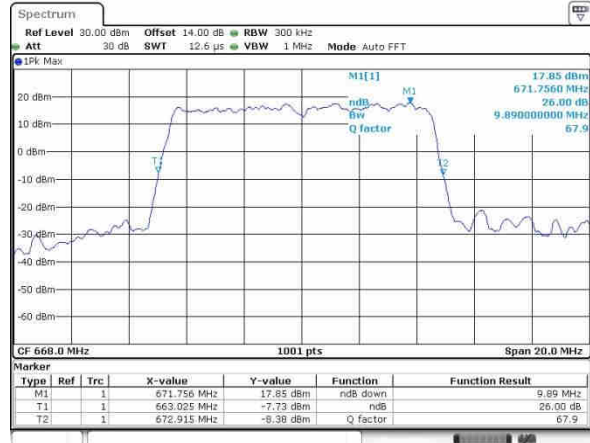


LTE Band 71

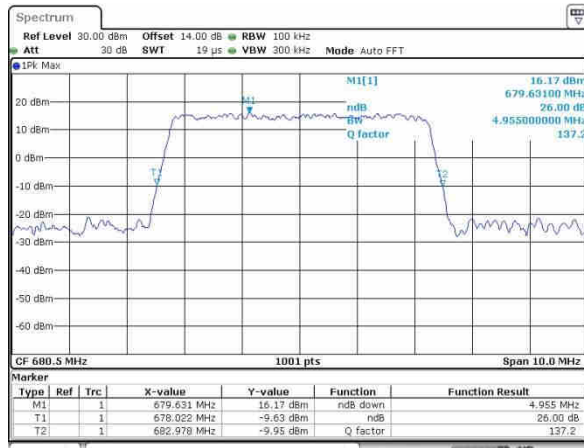
Lowest Channel / 5MHz / 64QAM



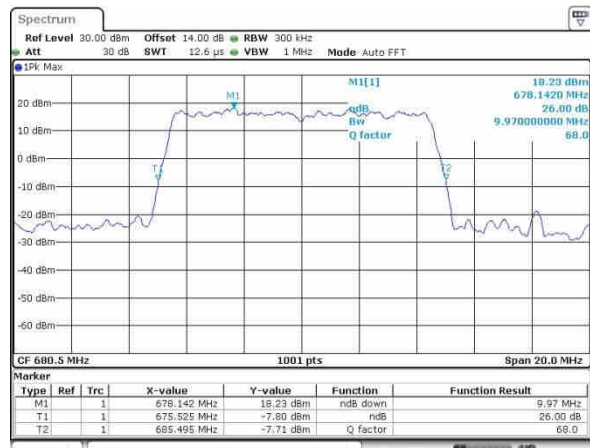
Lowest Channel / 10MHz / 64QAM



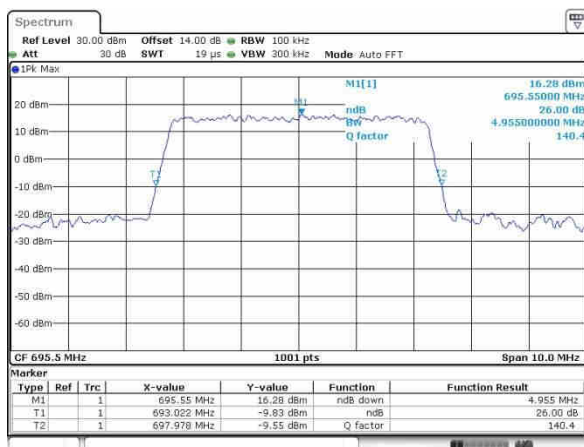
Middle Channel / 5MHz / 64QAM



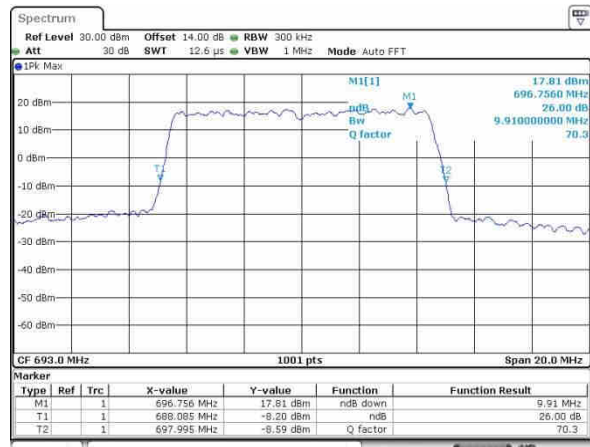
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



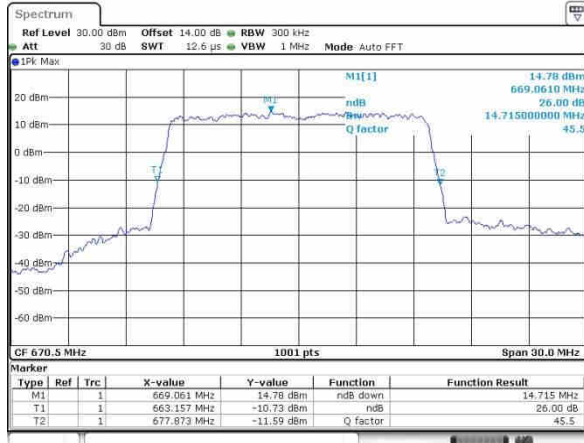
Highest Channel / 10MHz / 64QAM



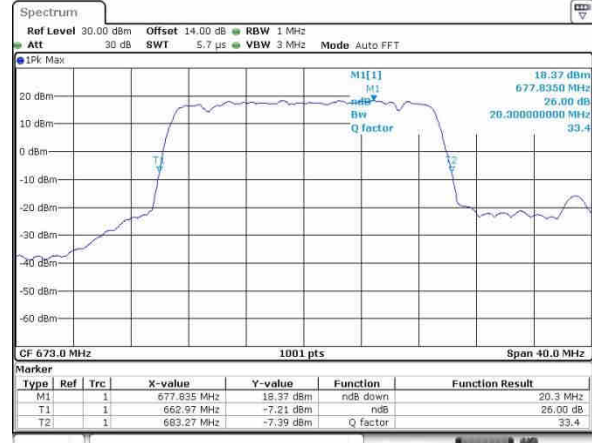


LTE Band 71

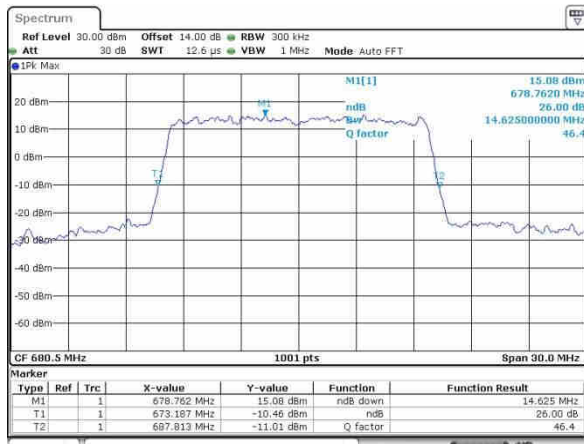
Lowest Channel / 15MHz / 64QAM



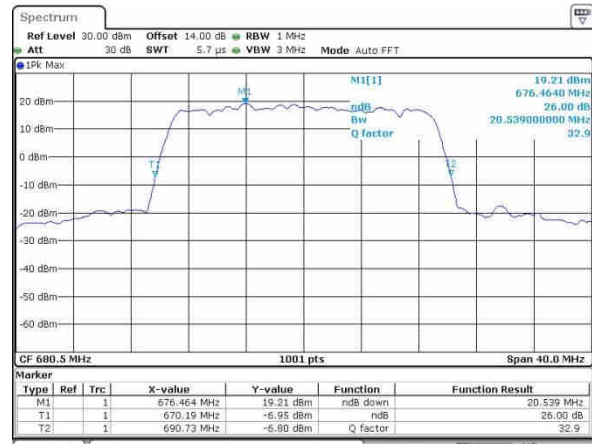
Lowest Channel / 20MHz / 64QAM



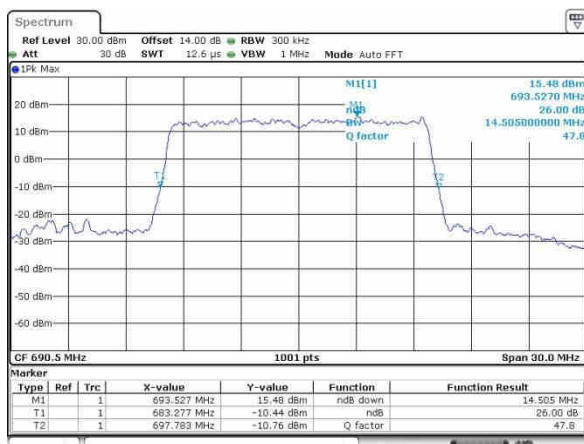
Middle Channel / 15MHz / 64QAM



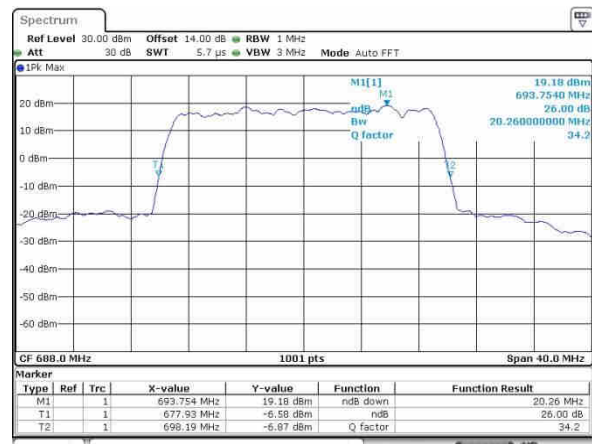
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



Highest Channel / 20MHz / 64QAM



**Occupied Bandwidth**

Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.72	2.7	4.47	4.51	9.01	9.03	13.49	13.46	18.22	18.3
Middle CH	1.09	1.09	2.72	2.74	4.48	4.49	8.99	9.05	13.4	13.43	18.34	18.42
Highest CH	1.09	1.09	2.71	2.71	4.5	4.51	9.03	8.99	13.43	13.43	18.46	18.34
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		9.05		13.49		18.34	
Middle CH	1.09		2.73		4.47		8.99		13.49		18.3	
Highest CH	1.09		2.72		4.49		9.05		13.4		18.5	

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	-	-	-	-	4.48	4.5	9.07	8.99	13.43	13.46	18.34	18.42
Middle CH	-	-	-	-	4.48	4.49	9.01	9.01	13.43	13.46	18.22	18.46
Highest CH	-	-	-	-	4.51	4.46	9.01	8.99	13.43	13.43	18.22	18.3
Mode	LTE Band 7 : 99%OBW(MHz)											
BW	5MHz		10MHz		15MHz		20MHz					
Mod.	64QAM	-	64QAM	-	64QAM	-	64QAM	-				
Lowest CH	4.49		9.05		13.43		18.34	-				
Middle CH	4.49		9.03		13.52		18.38	-				
Highest CH	4.47		9.03		13.43		18.34	-				

Mode	LTE Band 38 : 99%OBW(MHz)											
BW	5MHz		10MHz		15MHz		20MHz		5MHz	10MHz	15MHz	20MHz
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM	64QAM	64QAM
Lowest CH	4.54	4.51	8.99	8.97	13.52	13.52	18.34	18.38	4.45	9.01	13.43	18.34
Middle CH	4.48	4.5	9.03	8.95	13.46	13.34	18.46	18.18	4.49	9.05	13.43	18.30
Highest CH	4.5	4.44	9.07	8.97	13.37	13.46	18.34	18.34	4.50	9.09	13.49	18.38



Mode	LTE Band 41 : 99%OBW(MHz)											
BW	5MHz		10MHz		15MHz		20MHz		5MHz	10MHz	15MHz	20MHz
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM	64QAM	64QAM
Lowest CH	4.48	4.47	9.01	8.95	13.4	13.37	18.14	18.46	4.47	9.05	13.46	18.22
Middle CH	4.47	4.48	8.91	9.01	13.43	13.49	18.5	18.34	4.49	9.07	13.43	18.18
Highest CH	4.49	4.48	9.05	9.03	13.49	13.46	18.42	18.42	4.48	9.07	13.46	18.18

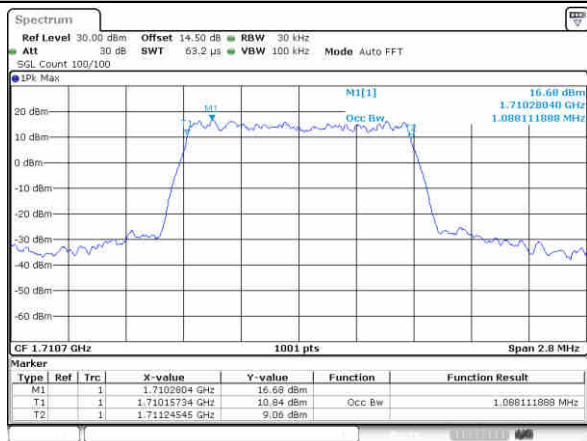
Mode	LTE Band 66 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.08	2.70	2.72	4.49	4.50	9.07	9.01	13.43	13.40	18.34	18.34
Middle CH	1.09	1.08	2.71	2.73	4.50	4.47	9.09	8.99	13.40	13.37	18.38	18.30
Highest CH	1.09	1.09	2.70	2.72	4.52	4.48	9.01	9.03	13.52	13.40	18.42	18.34
BW	1.4MHz	3MHz	5MHz	10MHz	15MHz	20MHz						
Mod.	64QAM	64QAM	64QAM	64QAM	64QAM	64QAM						
Lowest CH	1.09	2.72	4.54	9.03	13.43	18.38						
Middle CH	1.09	2.73	4.50	9.01	13.46	18.38						
Highest CH	1.09	2.73	4.49	9.05	13.46	18.34						

Mode	LTE Band 71 : 99%OBW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	4.5	4.49	9.05	9.01	13.43	13.4	18.42	18.38
Middle CH	4.49	4.49	9.01	9.03	13.43	13.43	18.26	18.42
Highest CH	4.5	4.49	9.05	9.03	13.46	13.43	18.38	18.38
Mode	LTE Band 7 : 99%OBW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM	
Lowest CH	4.49		9.03		13.4		18.34	
Middle CH	4.49		9.03		13.4		18.34	
Highest CH	4.49		9.05		13.43		18.38	

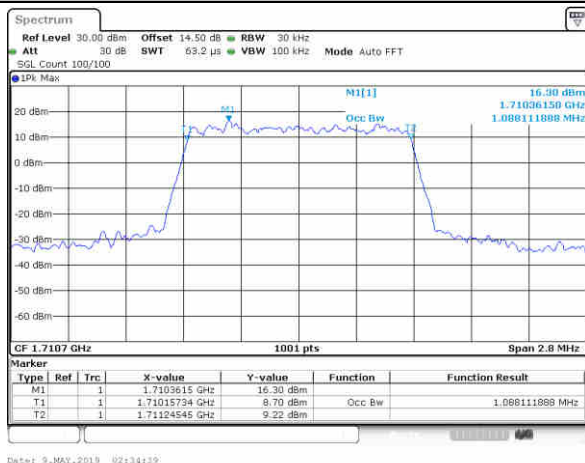


LTE Band 4

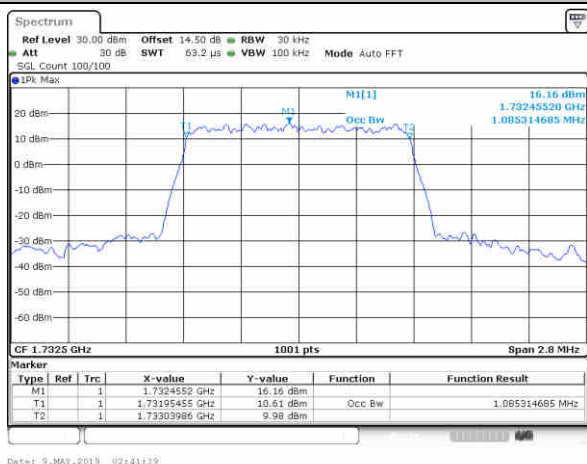
Lowest Channel / 1.4MHz / QPSK



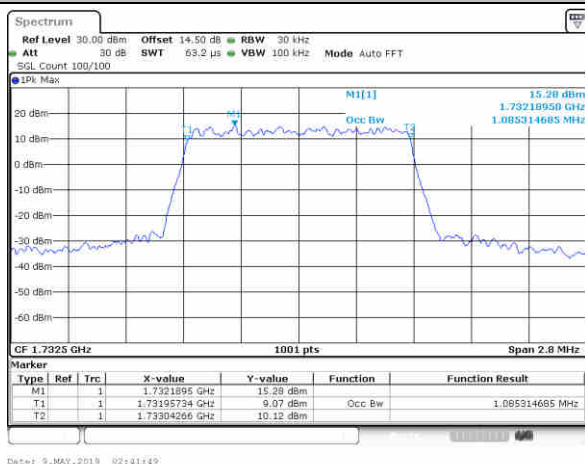
Lowest Channel / 1.4MHz / 16QAM



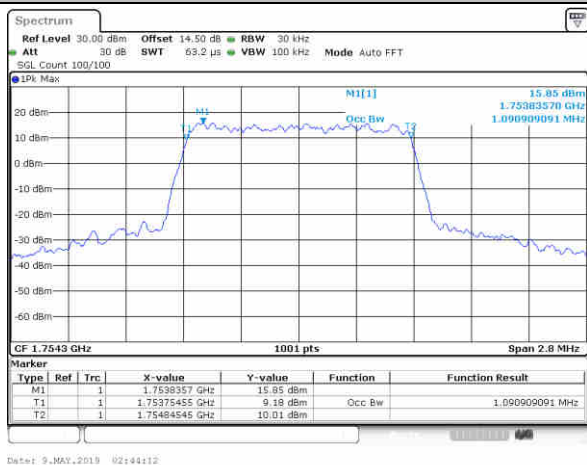
Middle Channel / 1.4MHz / QPSK



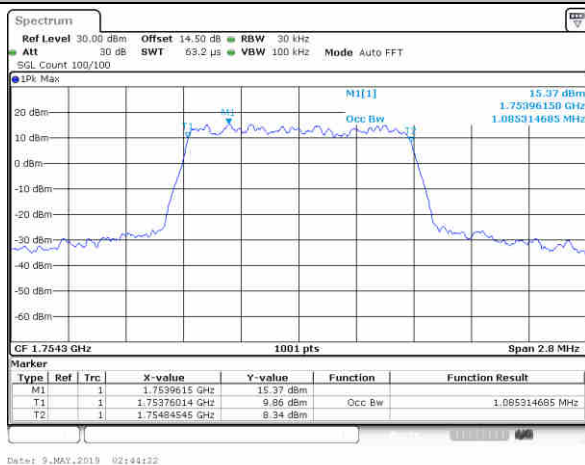
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



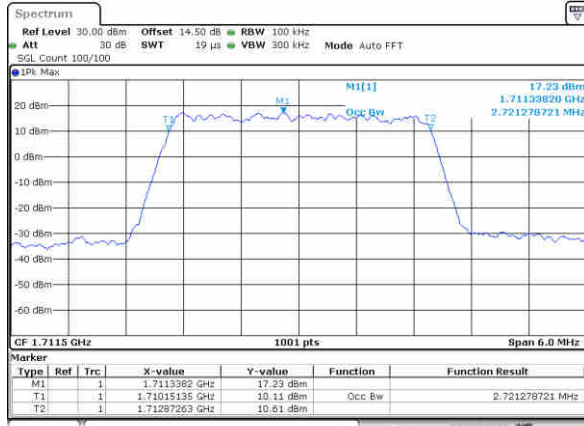
Highest Channel / 1.4MHz / 16QAM





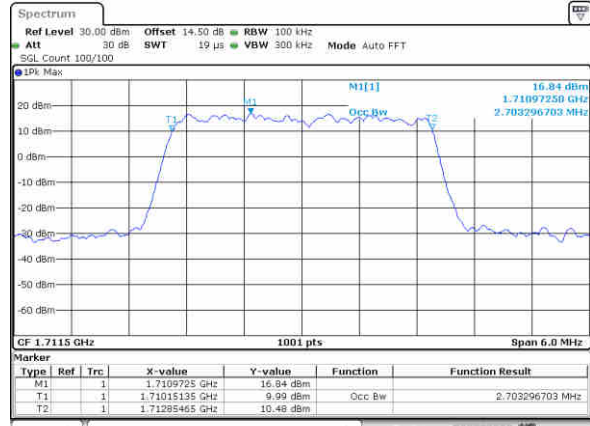
LTE Band 4

Lowest Channel / 3MHz / QPSK



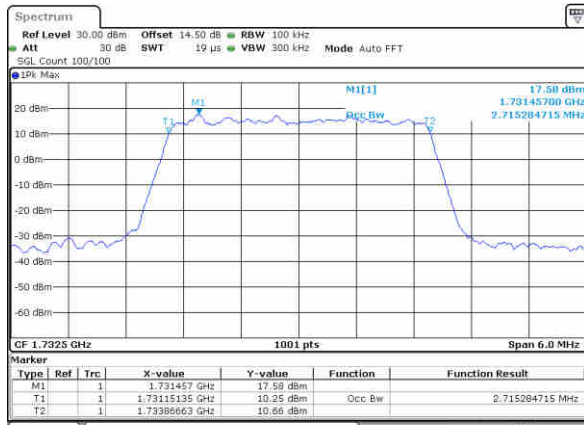
Date: 9_May_2019 02:53:28

Lowest Channel / 3MHz / 16QAM



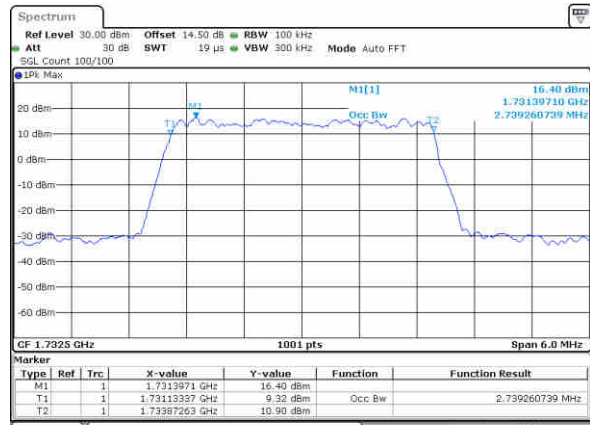
Date: 9_May_2019 02:53:48

Middle Channel / 3MHz / QPSK



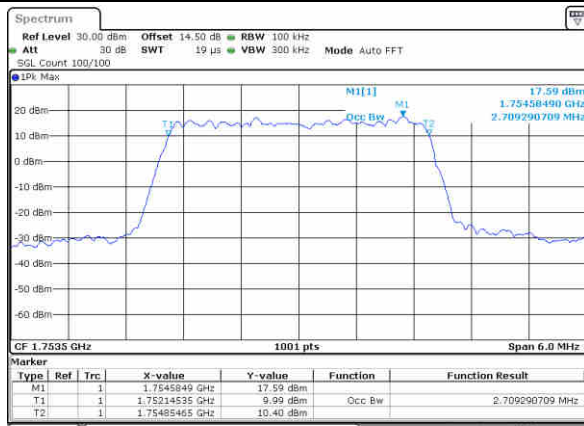
Date: 9_May_2019 03:00:58

Middle Channel / 3MHz / 16QAM



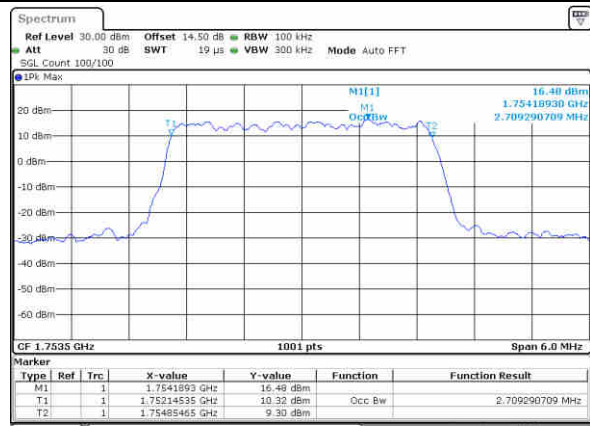
Date: 9_May_2019 03:01:08

Highest Channel / 3MHz / QPSK



Date: 9_May_2019 03:03:22

Highest Channel / 3MHz / 16QAM

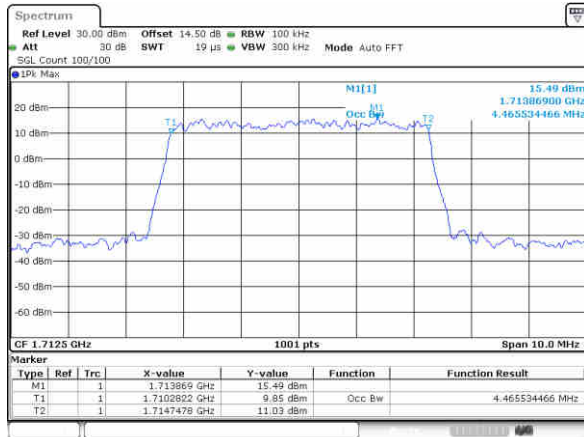


Date: 9_May_2019 03:03:42

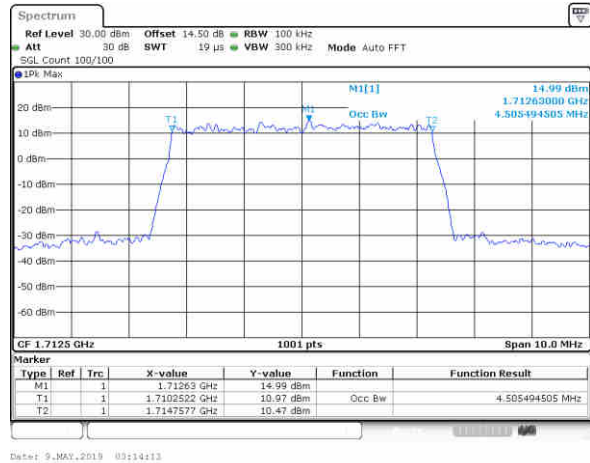


LTE Band 4

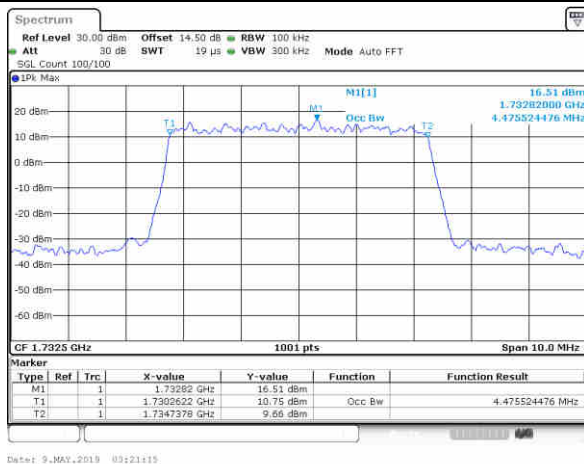
Lowest Channel / 5MHz / QPSK



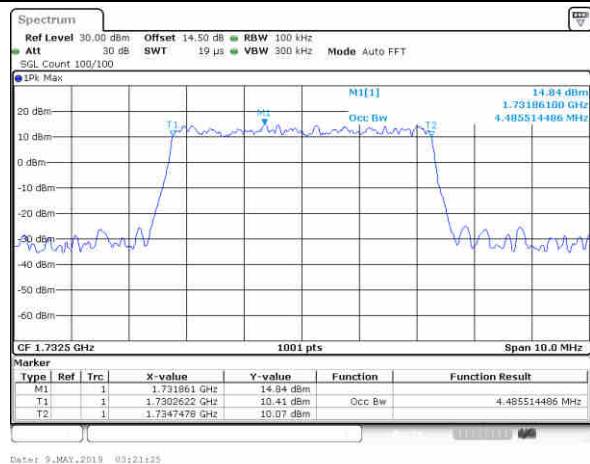
Lowest Channel / 5MHz / 16QAM



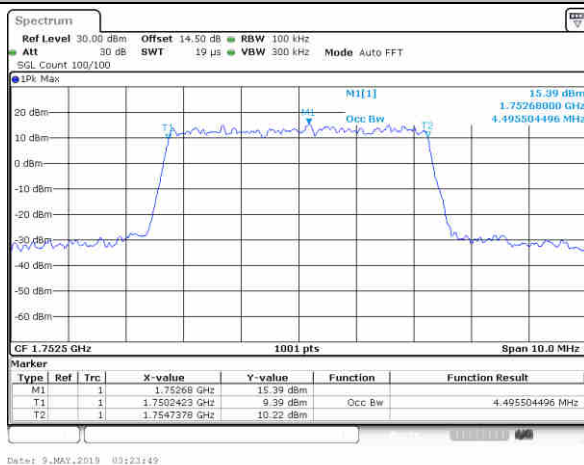
Middle Channel / 5MHz / QPSK



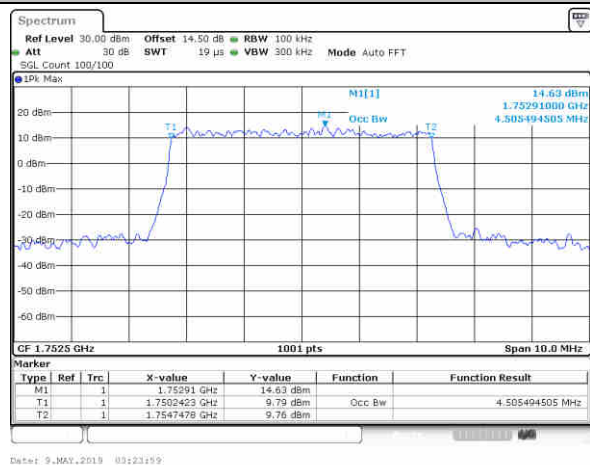
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



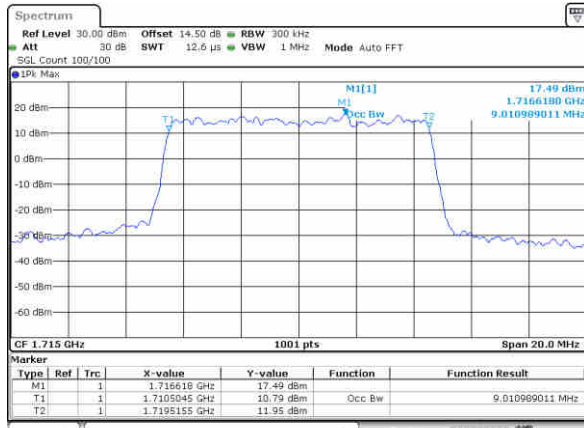
Highest Channel / 5MHz / 16QAM





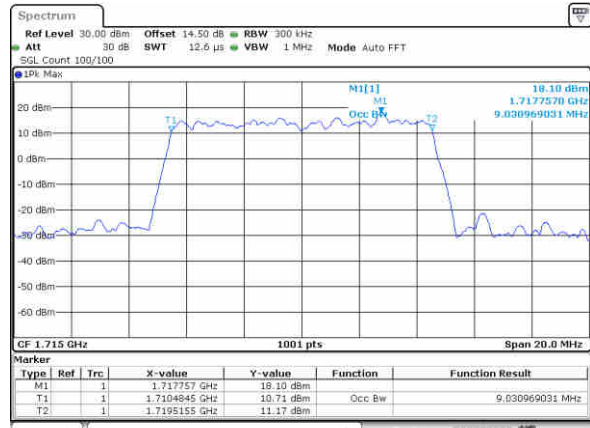
LTE Band 4

Lowest Channel / 10MHz / QPSK



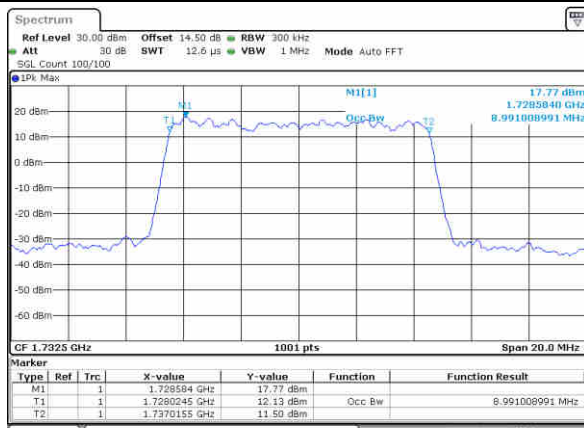
Date: 9_May.2019 03:27:22

Lowest Channel / 10MHz / 16QAM



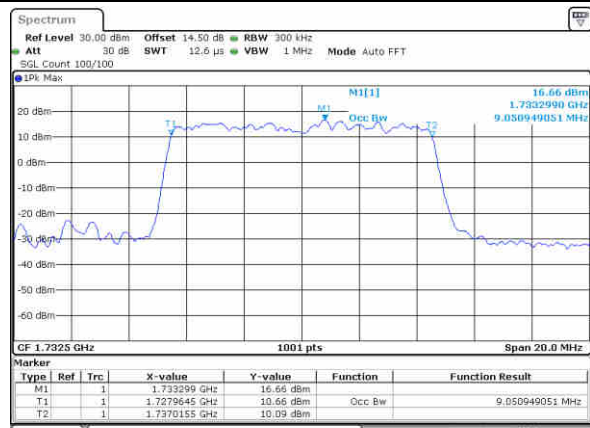
Date: 9_May.2019 03:27:42

Middle Channel / 10MHz / QPSK



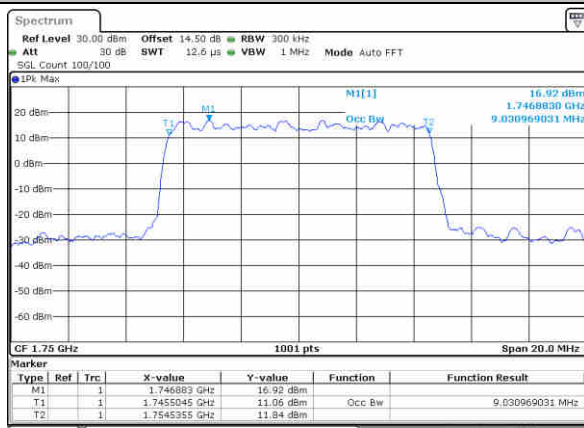
Date: 9_May.2019 03:44:44

Middle Channel / 10MHz / 16QAM



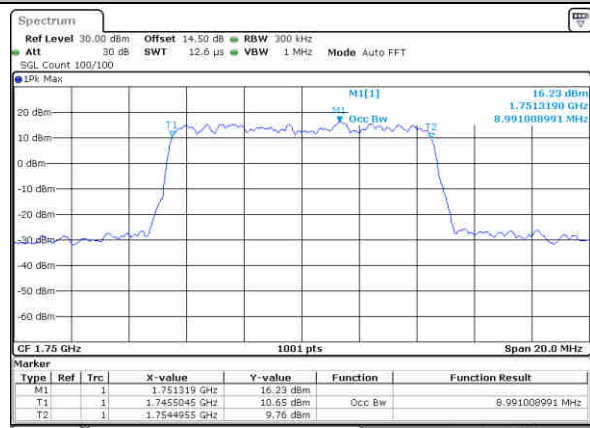
Date: 9_May.2019 03:44:54

Highest Channel / 10MHz / QPSK



Date: 9_May.2019 03:47:17

Highest Channel / 10MHz / 16QAM

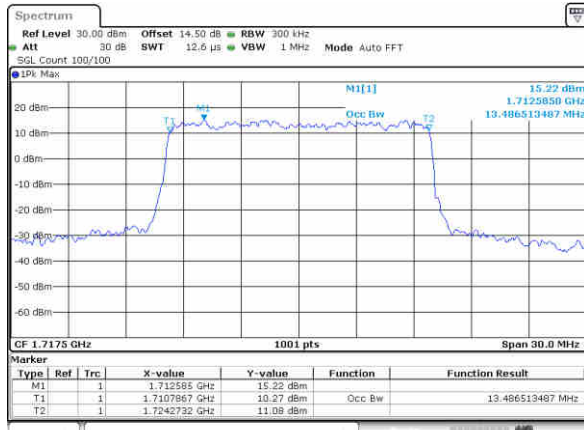


Date: 9_May.2019 03:47:28

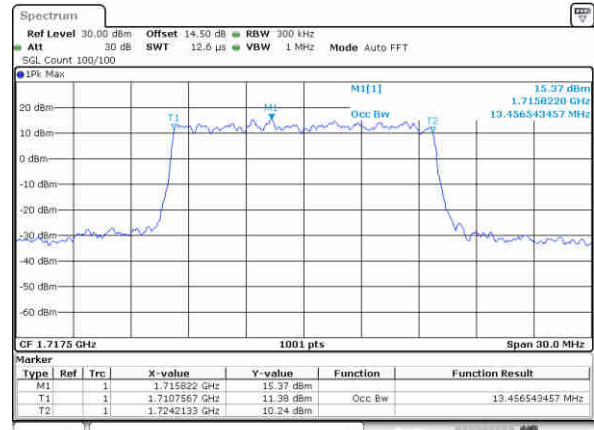


LTE Band 4

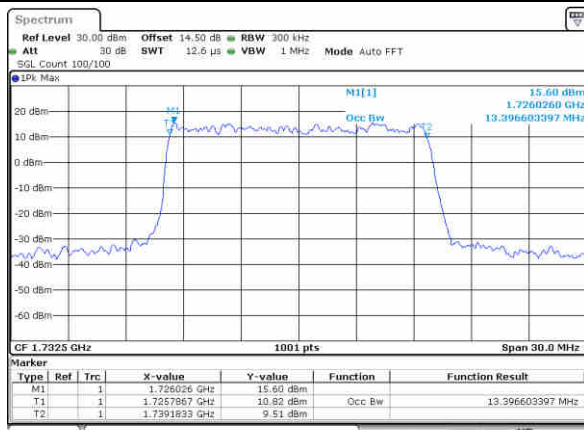
Lowest Channel / 15MHz / QPSK



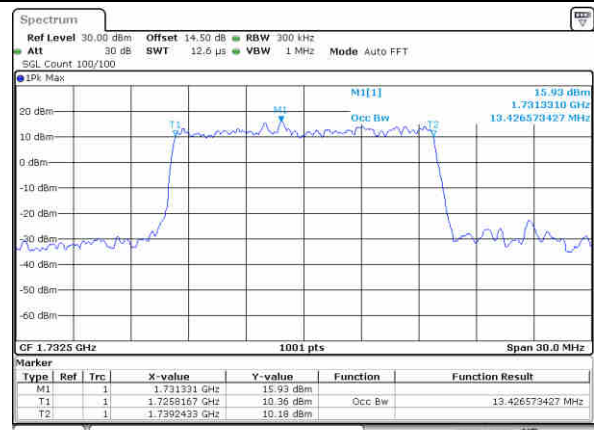
Lowest Channel / 15MHz / 16QAM



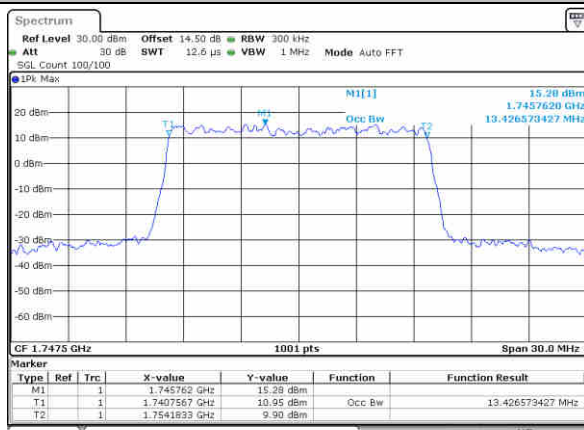
Middle Channel / 15MHz / QPSK



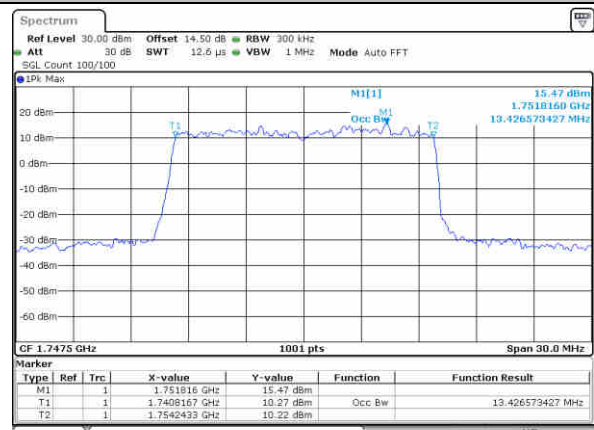
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



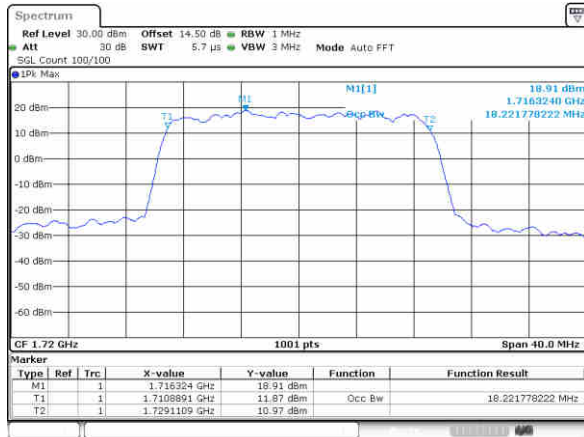
Highest Channel / 15MHz / 16QAM



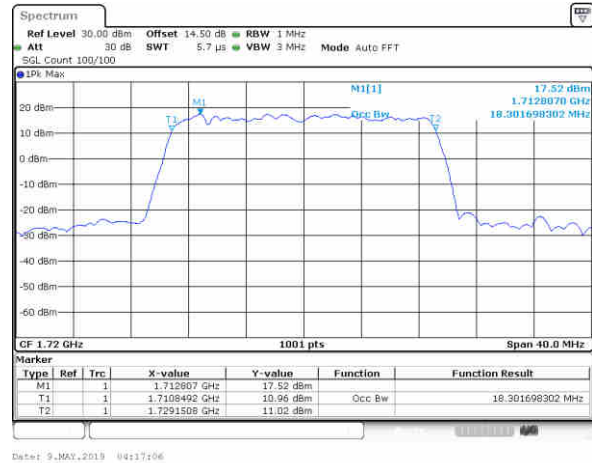


LTE Band 4

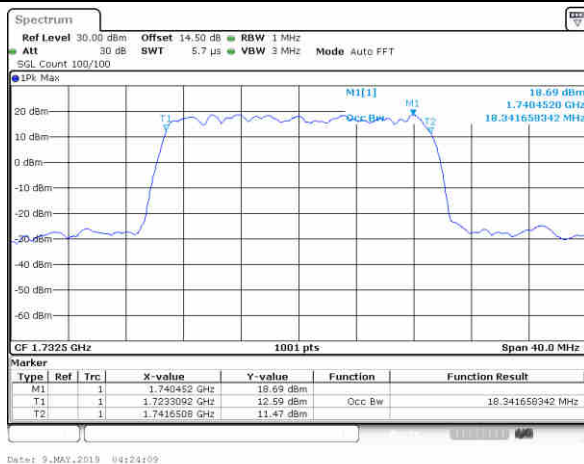
Lowest Channel / 20MHz / QPSK



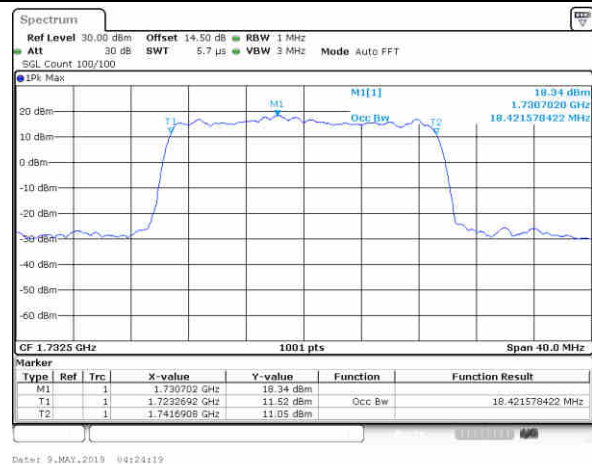
Lowest Channel / 20MHz / 16QAM



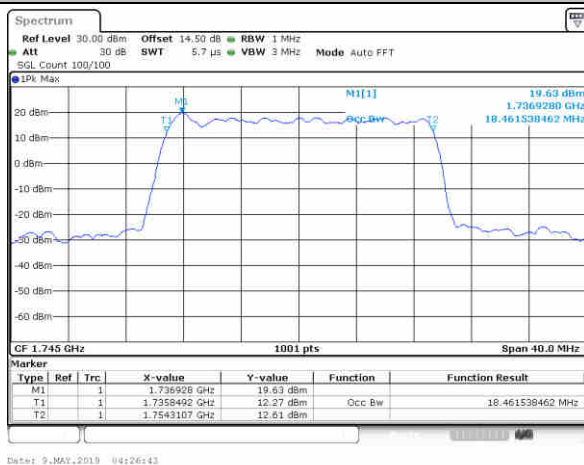
Middle Channel / 20MHz / QPSK



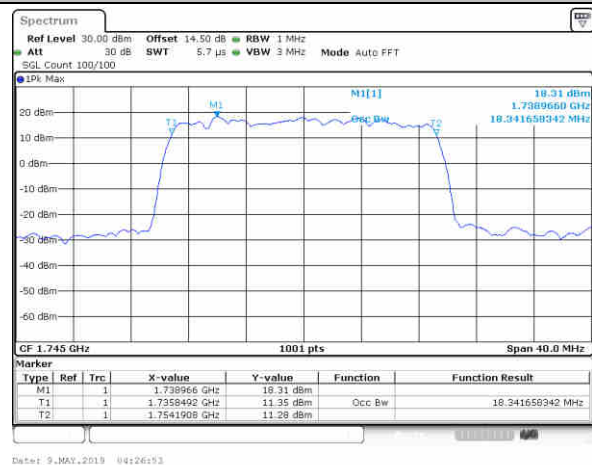
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



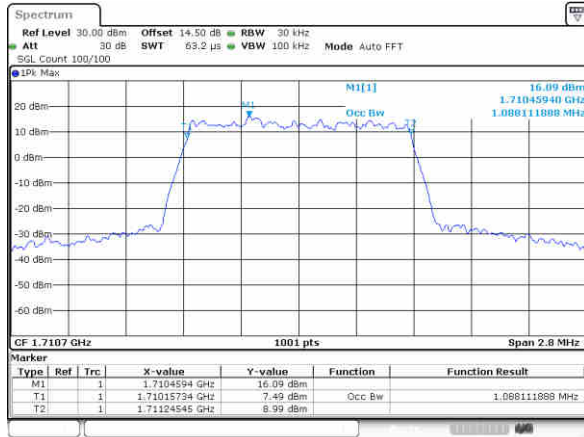
Highest Channel / 20MHz / 16QAM



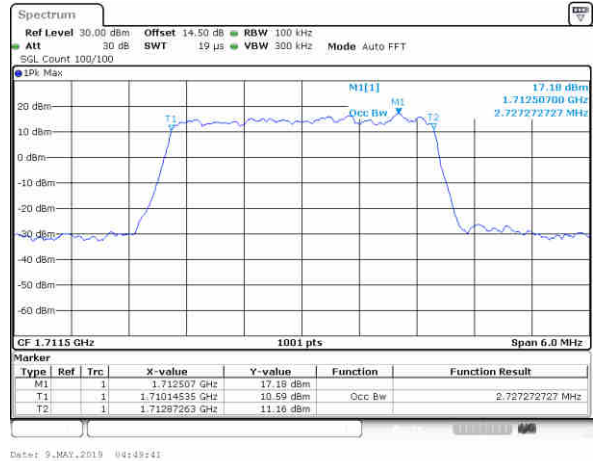


LTE Band 4

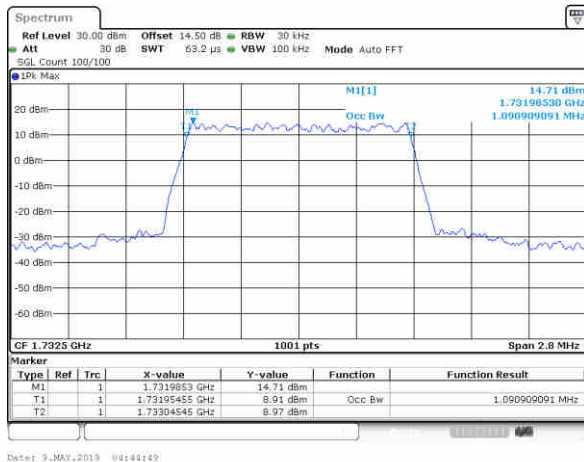
Lowest Channel / 1.4MHz / 64QAM



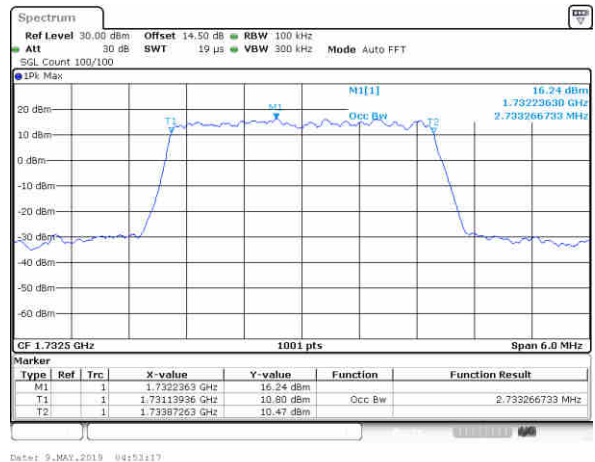
Lowest Channel / 3MHz / 64QAM



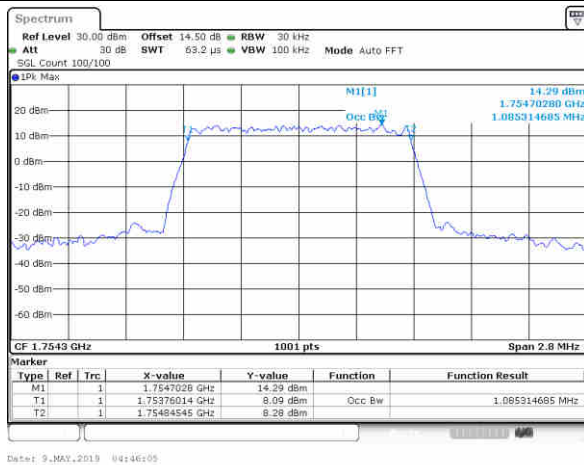
Middle Channel / 1.4MHz / 64QAM



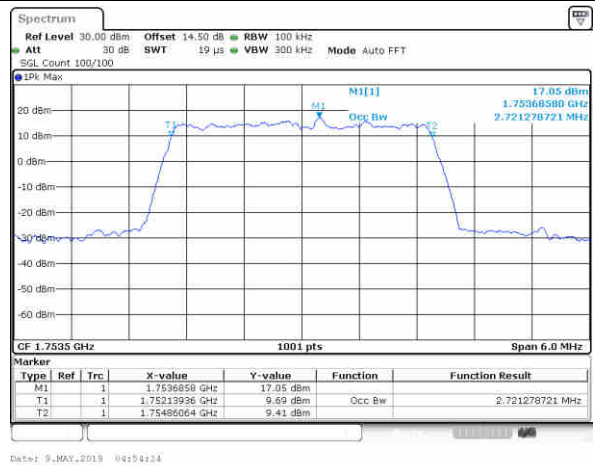
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM



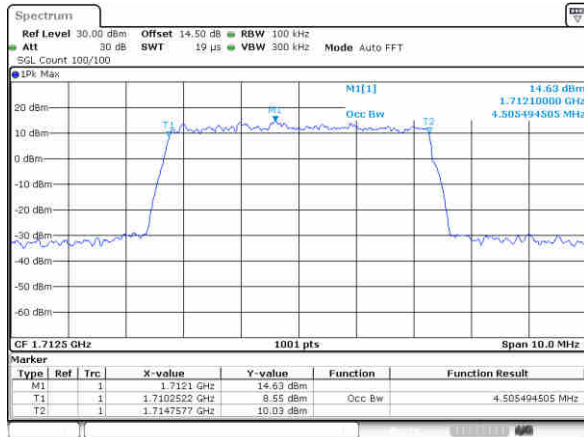
Highest Channel / 3MHz / 64QAM



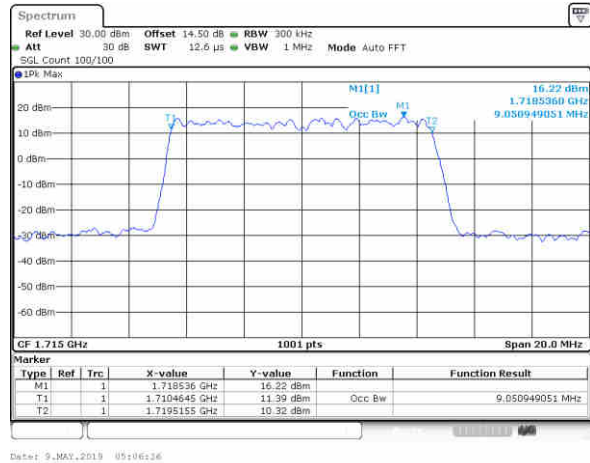


LTE Band 4

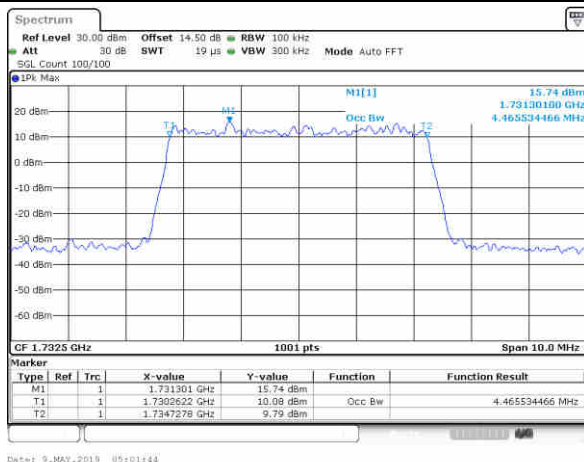
Lowest Channel / 5MHz / 64QAM



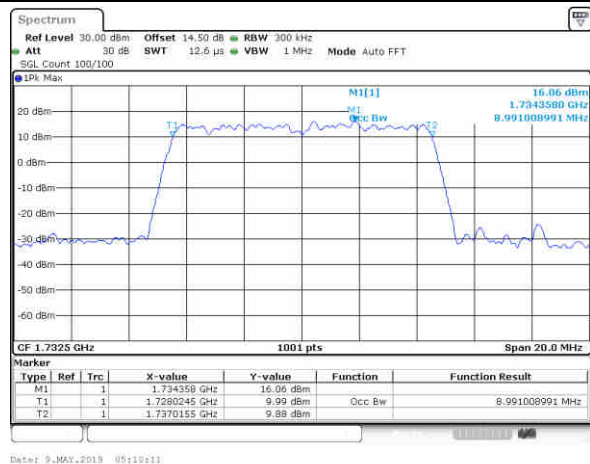
Lowest Channel / 10MHz / 64QAM



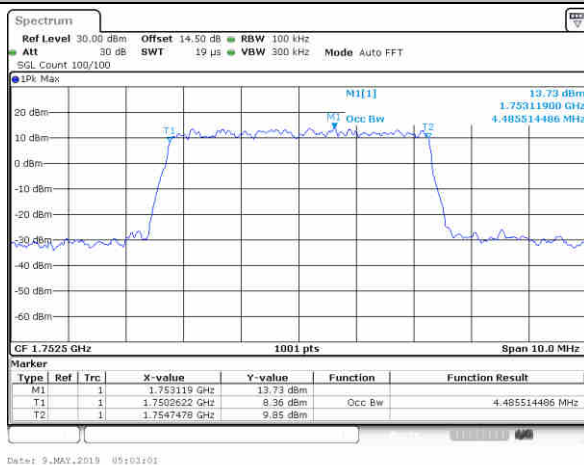
Middle Channel / 5MHz / 64QAM



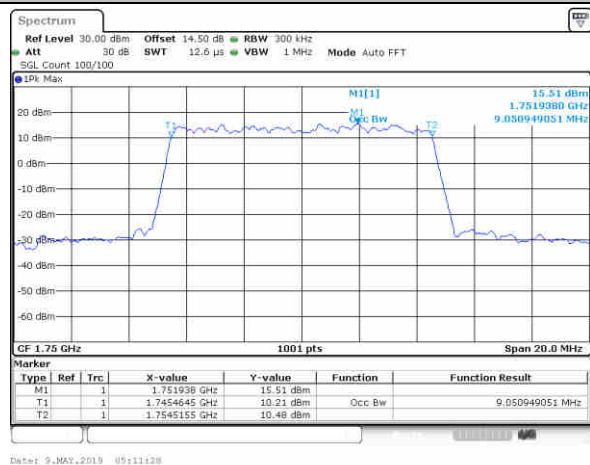
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



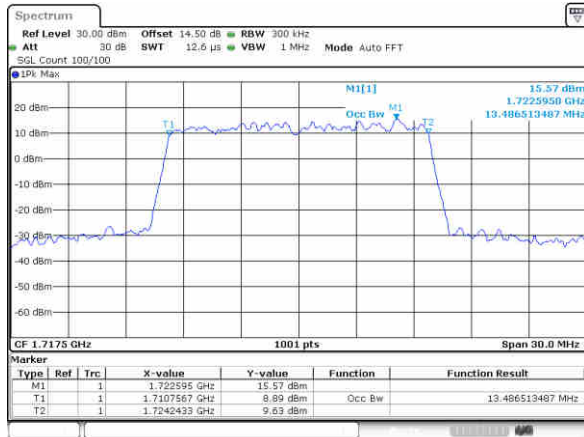
Highest Channel / 10MHz / 64QAM



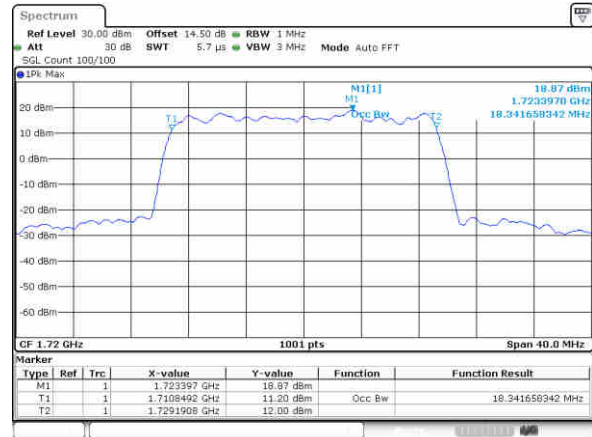


LTE Band 4

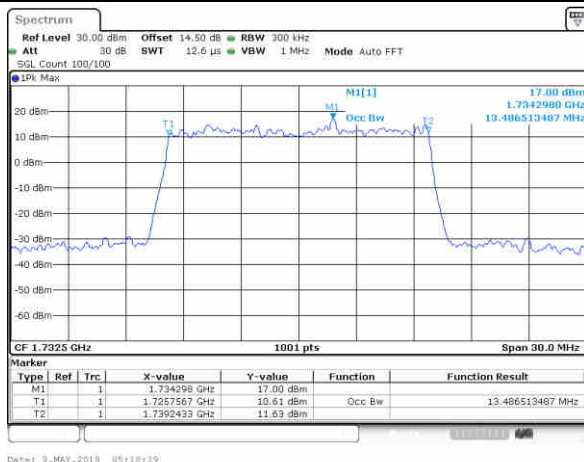
Lowest Channel / 15MHz / 64QAM



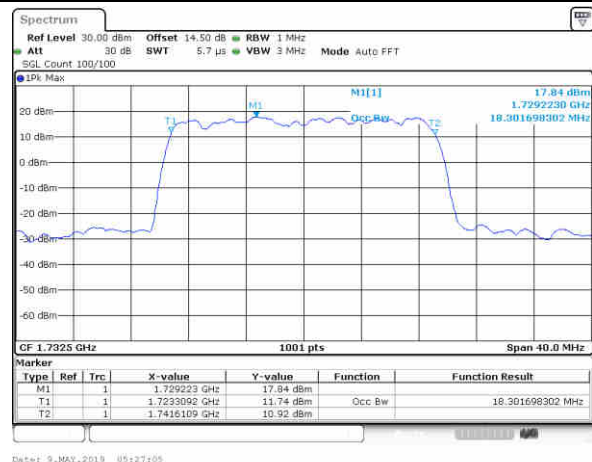
Lowest Channel / 20MHz / 64QAM



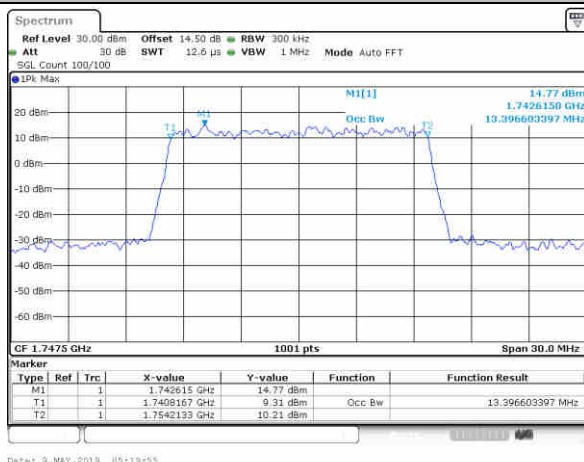
Middle Channel / 15MHz / 64QAM



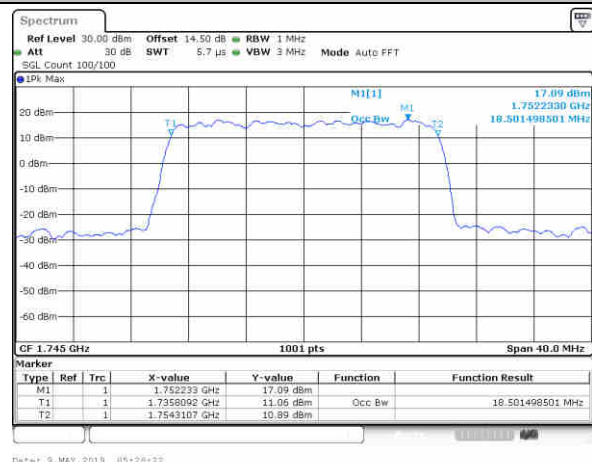
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



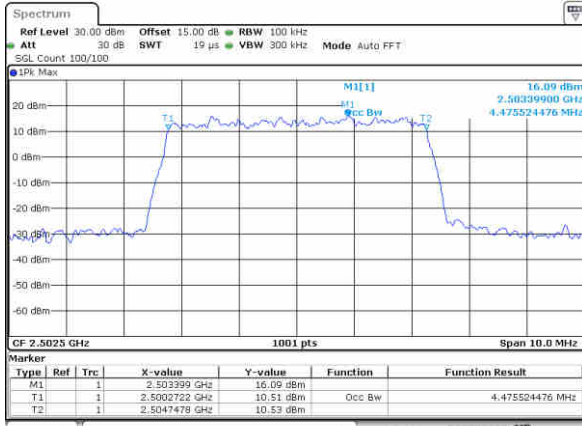
Highest Channel / 20MHz / 64QAM





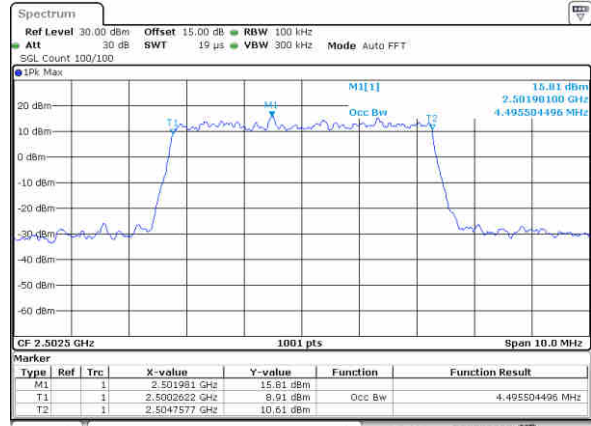
LTE Band 7

Lowest Channel / 5MHz / QPSK



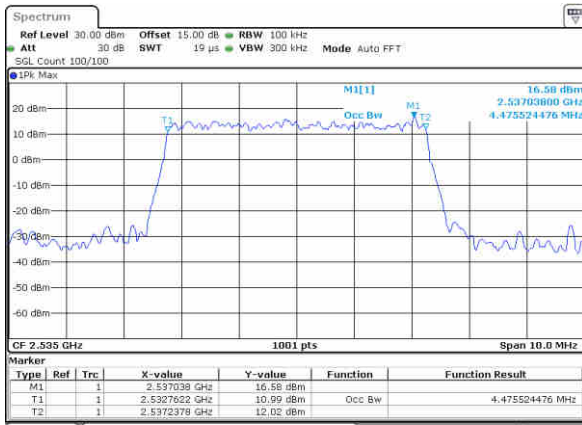
Date: 10.MAY.2019 07:01:23

Lowest Channel / 5MHz / 16QAM



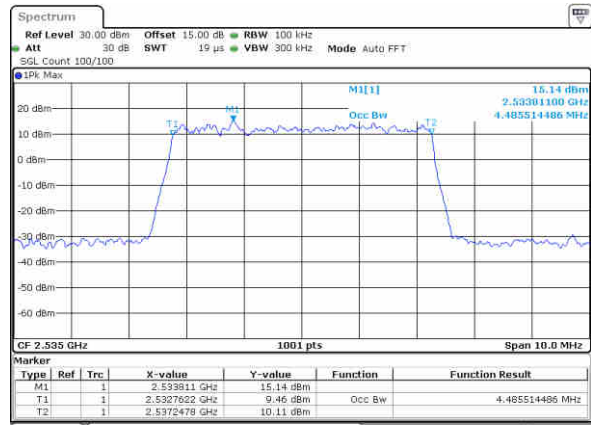
Date: 10.MAY.2019 07:05:04

Middle Channel / 5MHz / QPSK



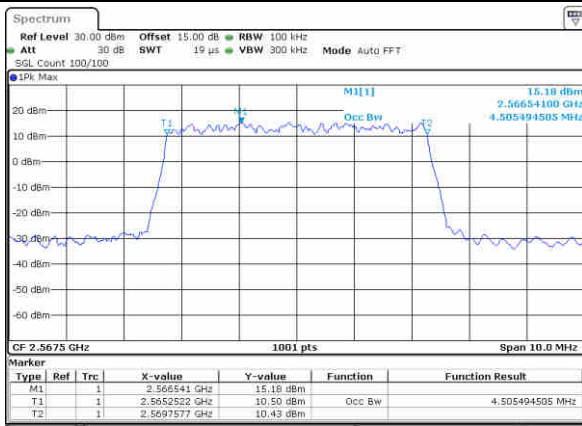
Date: 10.MAY.2019 07:01:33

Middle Channel / 5MHz / 16QAM



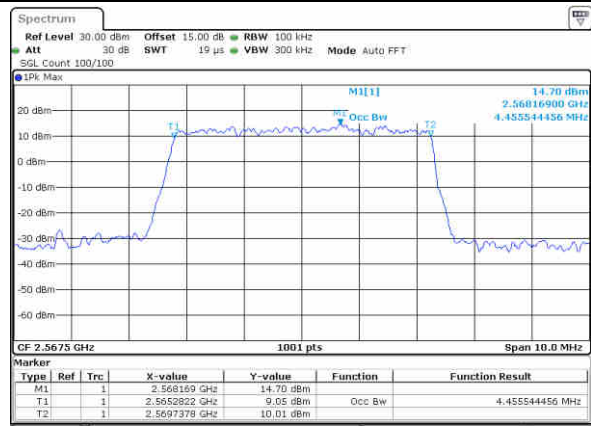
Date: 10.MAY.2019 07:05:14

Highest Channel / 5MHz / QPSK



Date: 10.MAY.2019 07:01:42

Highest Channel / 5MHz / 16QAM

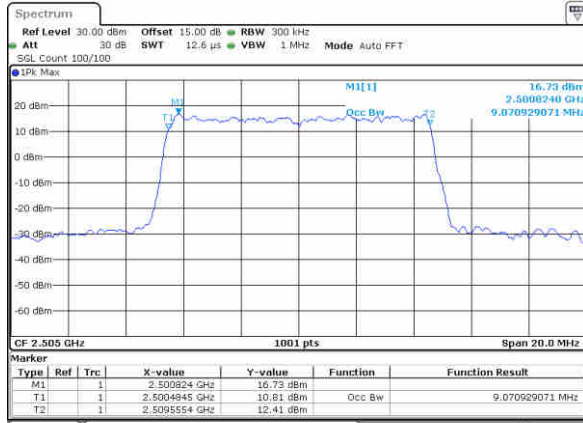


Date: 10.MAY.2019 07:05:25



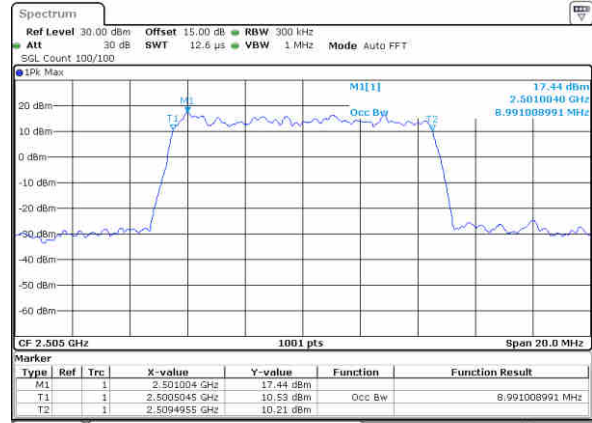
LTE Band 7

Lowest Channel / 10MHz / QPSK



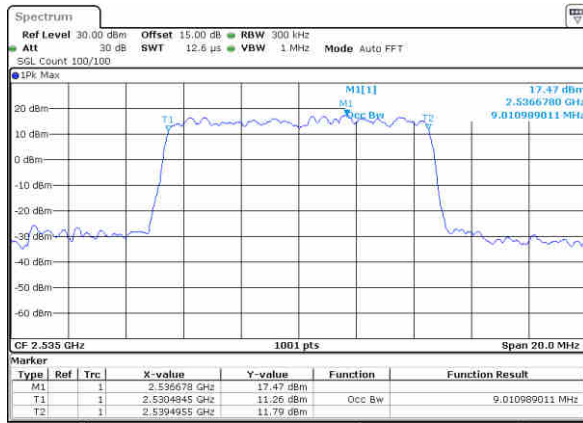
Date: 10.MAY.2019 07:09:32

Lowest Channel / 10MHz / 16QAM



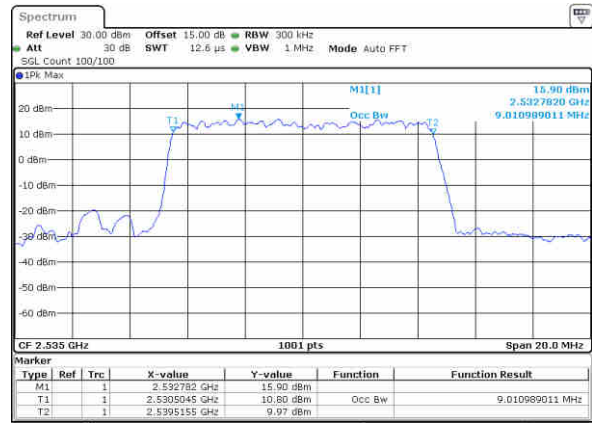
Date: 10.MAY.2019 07:10:03

Middle Channel / 10MHz / QPSK



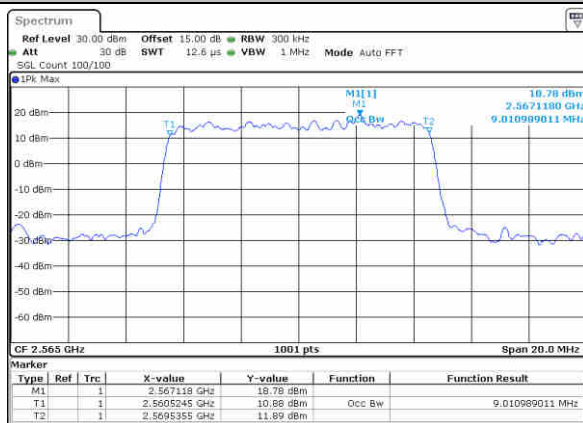
Date: 10.MAY.2019 07:09:42

Middle Channel / 10MHz / 16QAM



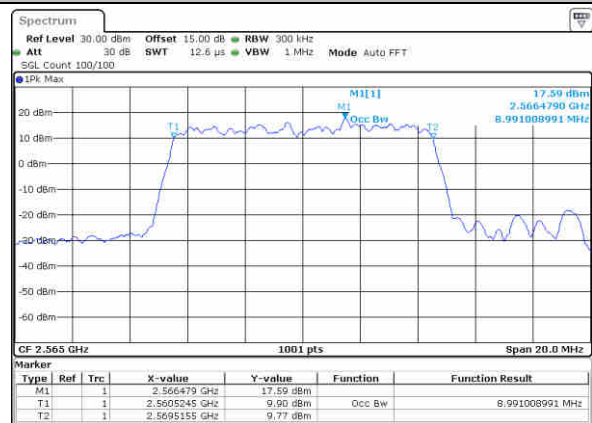
Date: 10.MAY.2019 07:10:13

Highest Channel / 10MHz / QPSK



Date: 10.MAY.2019 07:09:53

Highest Channel / 10MHz / 16QAM

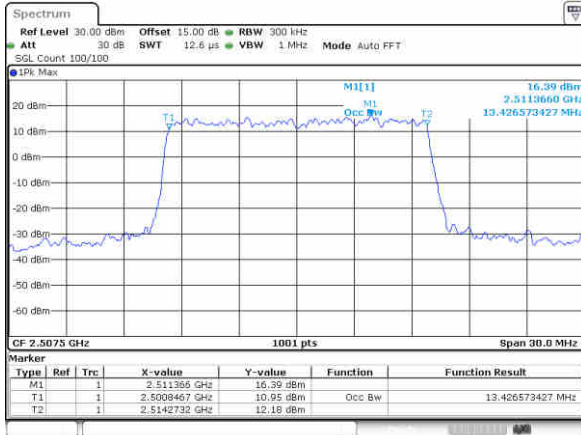


Date: 10.MAY.2019 07:10:24

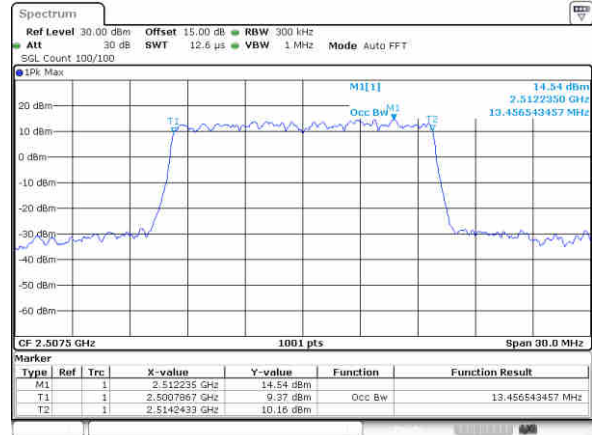


LTE Band 7

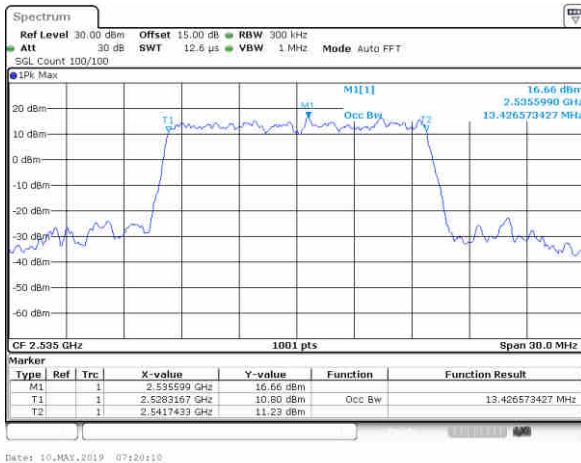
Lowest Channel / 15MHz / QPSK



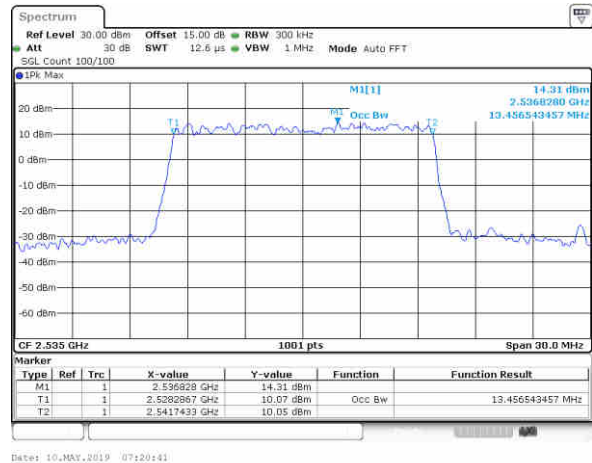
Lowest Channel / 15MHz / 16QAM



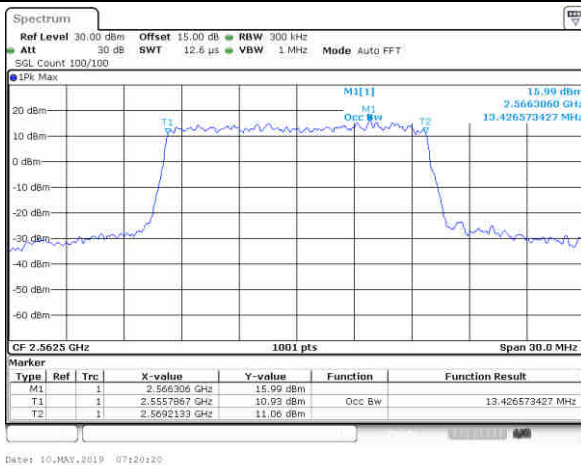
Middle Channel / 15MHz / QPSK



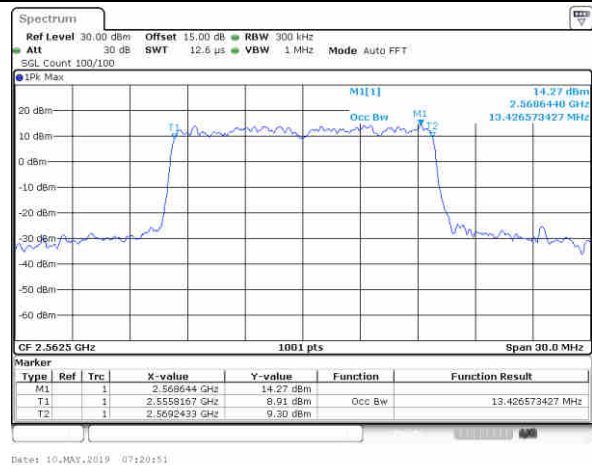
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



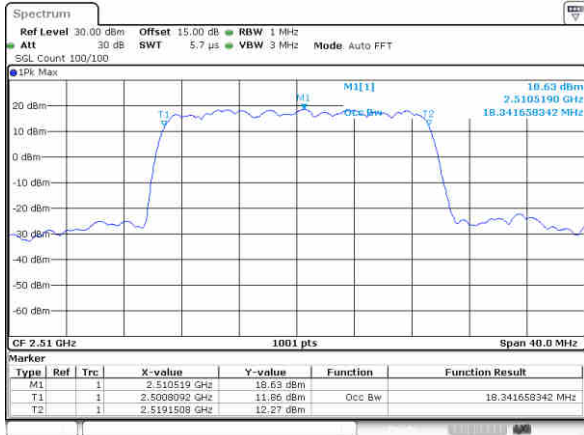
Highest Channel / 15MHz / 16QAM





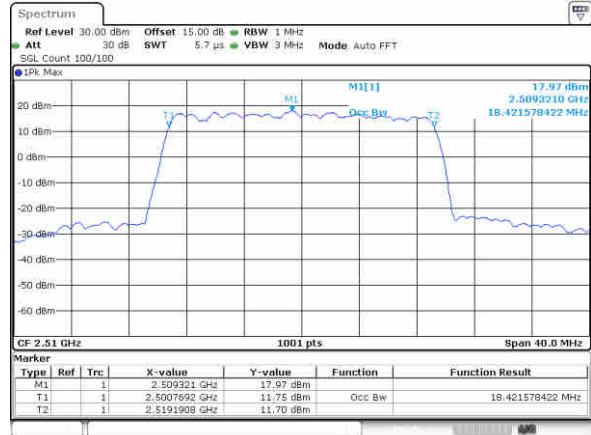
LTE Band 7

Lowest Channel / 20MHz / QPSK



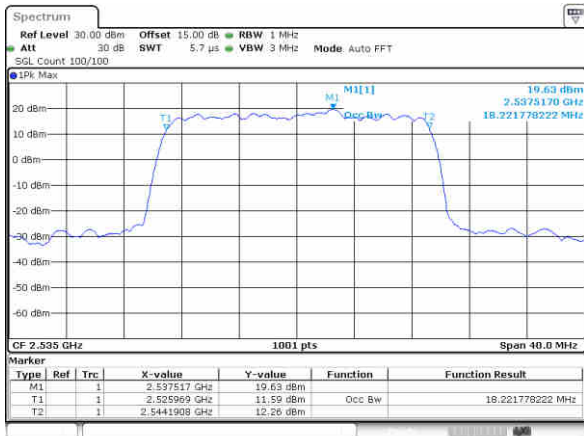
Date: 10.MAY.2019 07:27:26

Lowest Channel / 20MHz / 16QAM



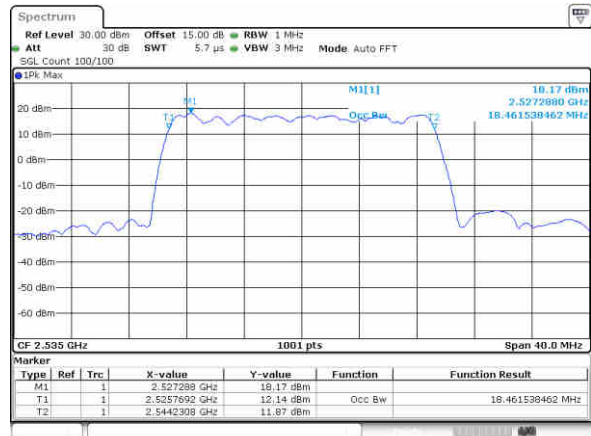
Date: 10.MAY.2019 07:27:56

Middle Channel / 20MHz / QPSK



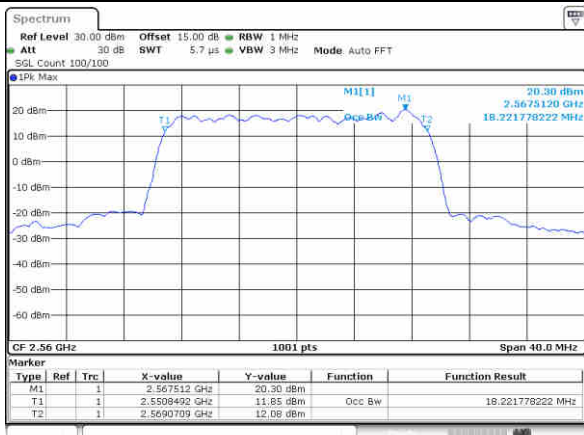
Date: 10.MAY.2019 07:27:36

Middle Channel / 20MHz / 16QAM



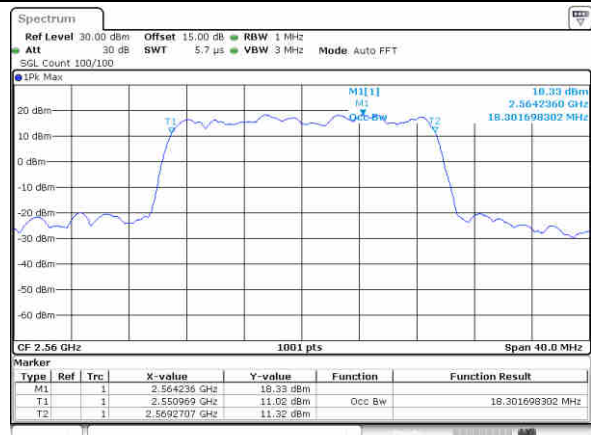
Date: 10.MAY.2019 07:28:07

Highest Channel / 20MHz / QPSK



Date: 10.MAY.2019 07:27:46

Highest Channel / 20MHz / 16QAM

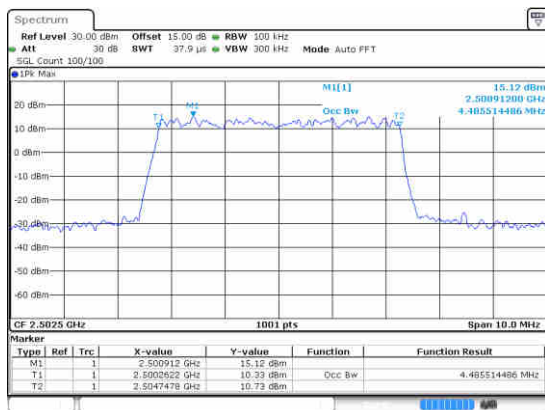


Date: 10.MAY.2019 07:28:17

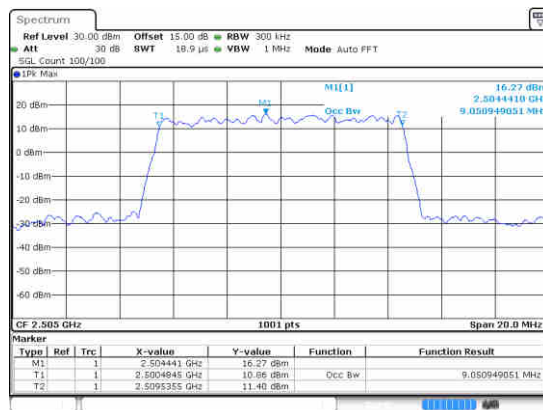


LTE Band 7

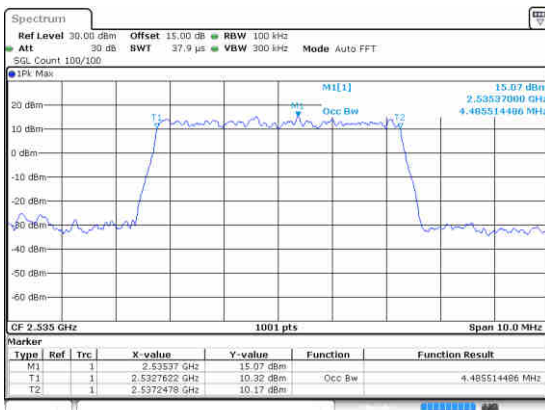
Lowest Channel / 5MHz / 64QAM



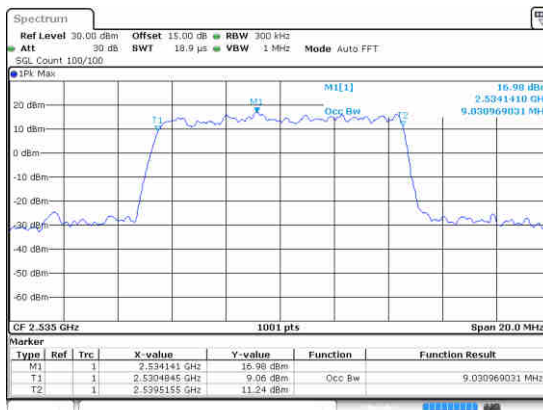
Lowest Channel / 10MHz / 64QAM



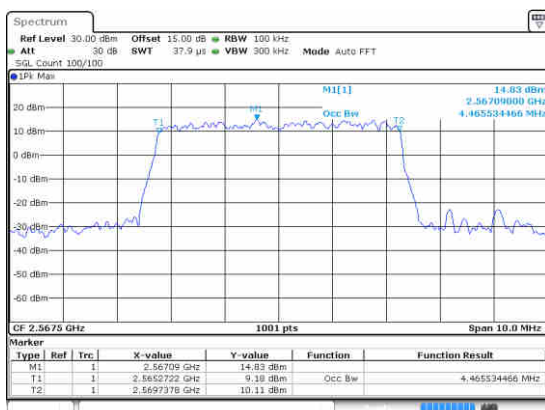
Middle Channel / 5MHz / 64QAM



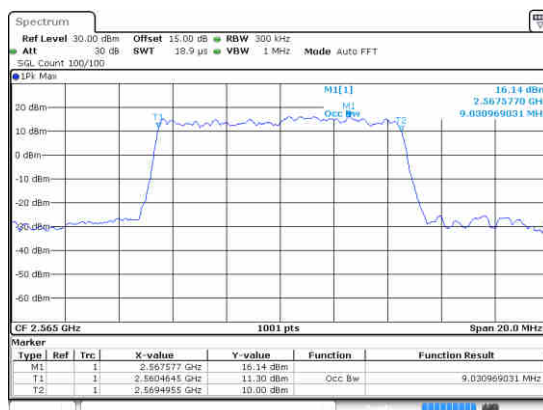
Middle Channel /10MHz / 64QAM



Highest Channel /5MHz / 64QAM



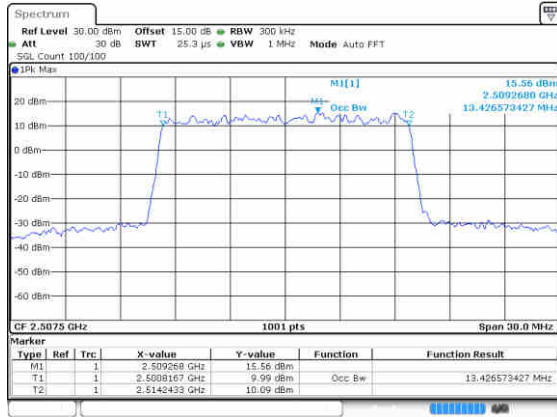
Highest Channel /10MHz / 64QAM



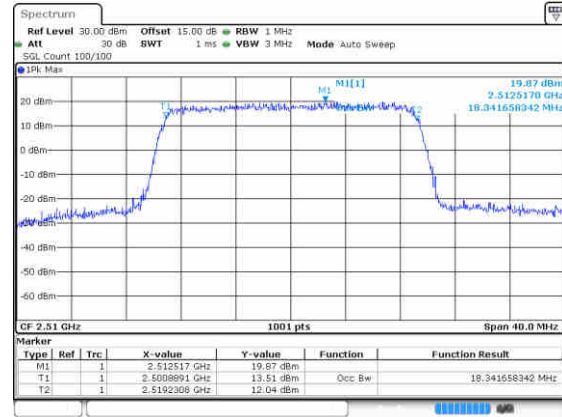


LTE Band 7

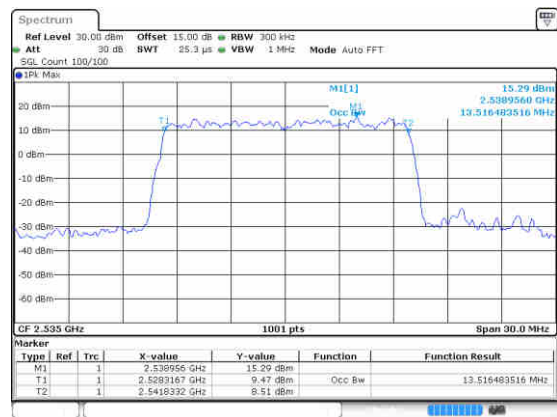
Lowest Channel / 15MHz / 64QAM



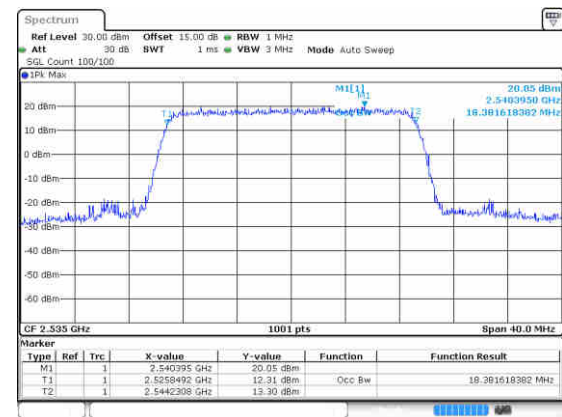
Lowest Channel / 20MHz / 64QAM



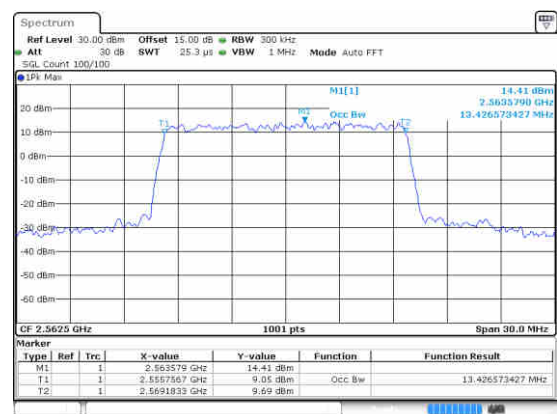
Middle Channel / 15MHz / 64QAM



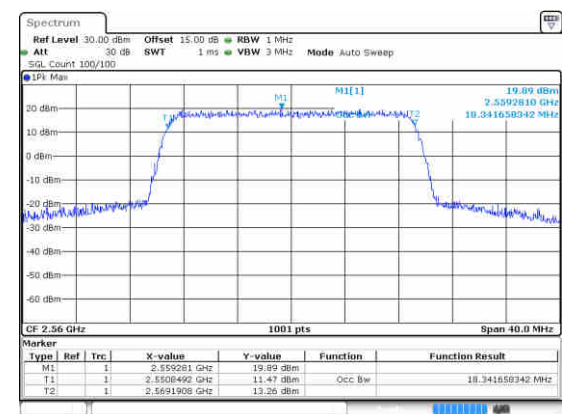
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



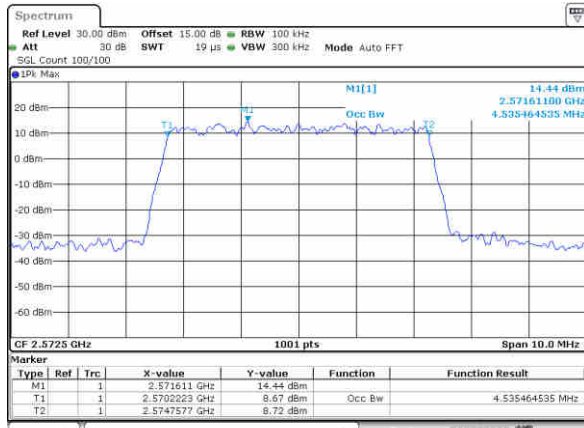
Highest Channel / 20MHz / 64QAM





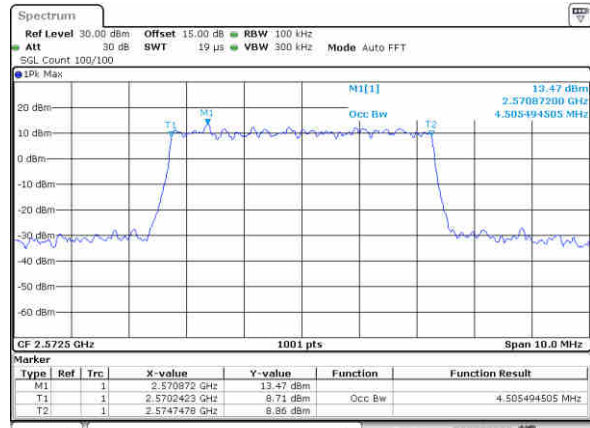
LTE Band 38

Lowest Channel / 5MHz / QPSK



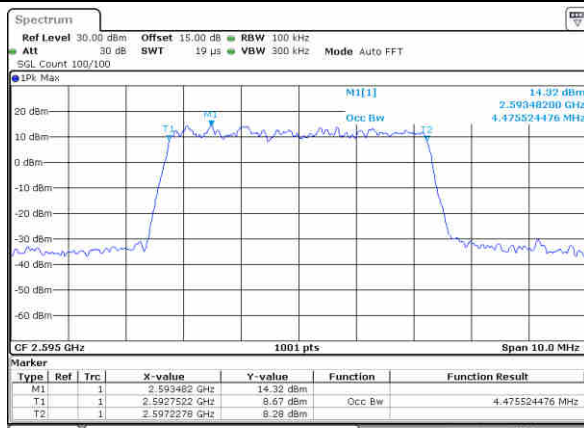
Date: 6, MAY, 2019 19:01:26

Lowest Channel / 5MHz / 16QAM



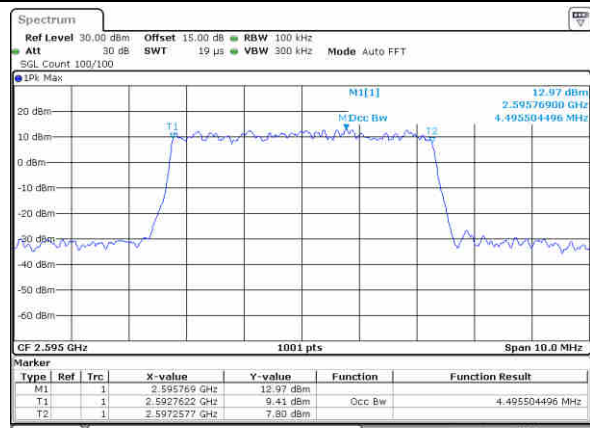
Date: 6, MAY, 2019 19:24:29

Middle Channel / 5MHz / QPSK



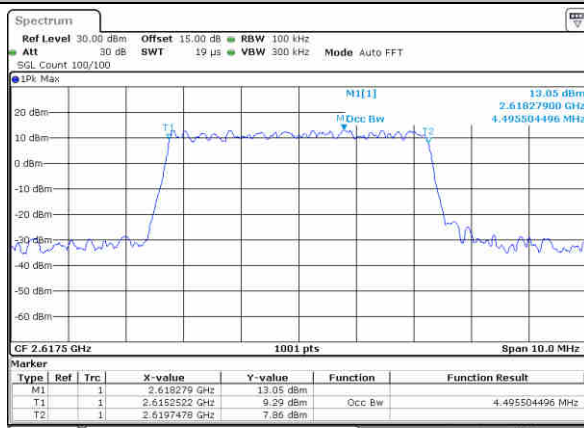
Date: 6, MAY, 2019 19:11:28

Middle Channel / 5MHz / 16QAM



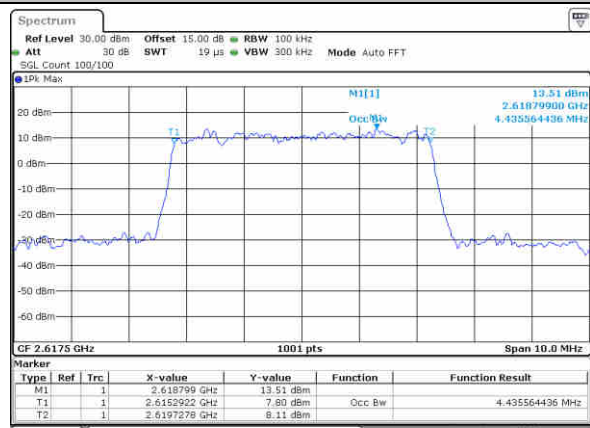
Date: 6, MAY, 2019 19:21:28

Highest Channel / 5MHz / QPSK



Date: 6, MAY, 2019 19:34:00

Highest Channel / 5MHz / 16QAM

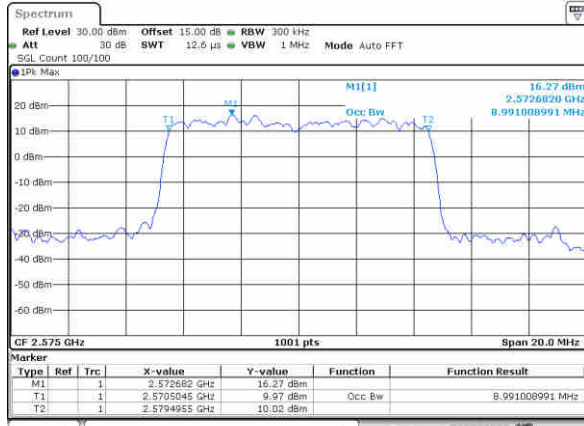


Date: 6, MAY, 2019 19:34:10

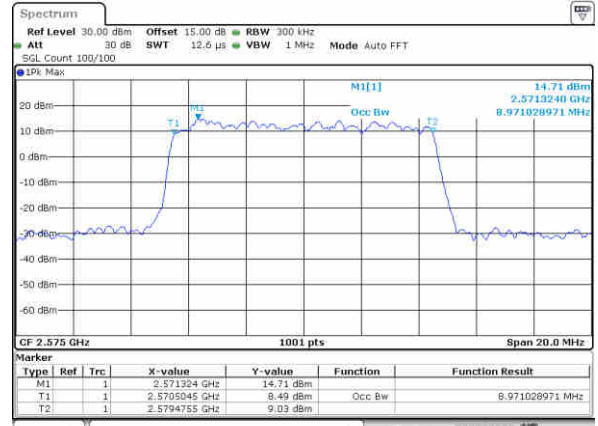


LTE Band 38

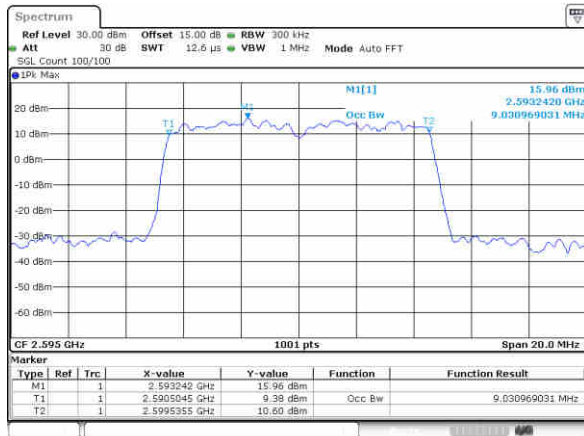
Lowest Channel / 10MHz / QPSK



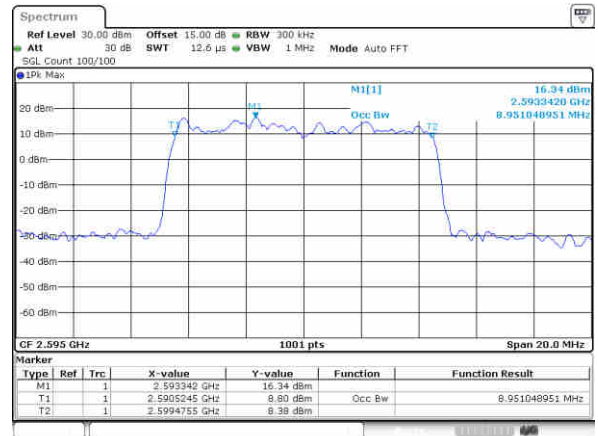
Lowest Channel / 10MHz / 16QAM



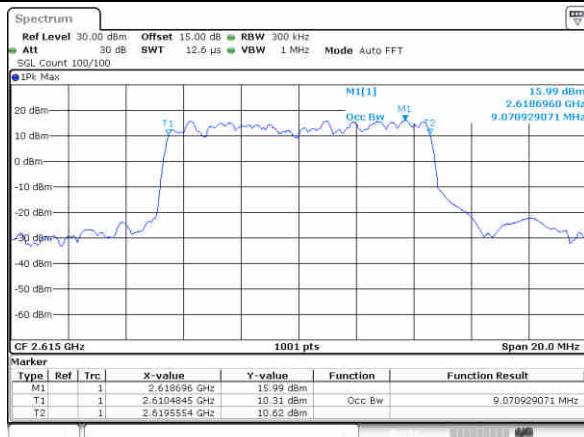
Middle Channel / 10MHz / QPSK



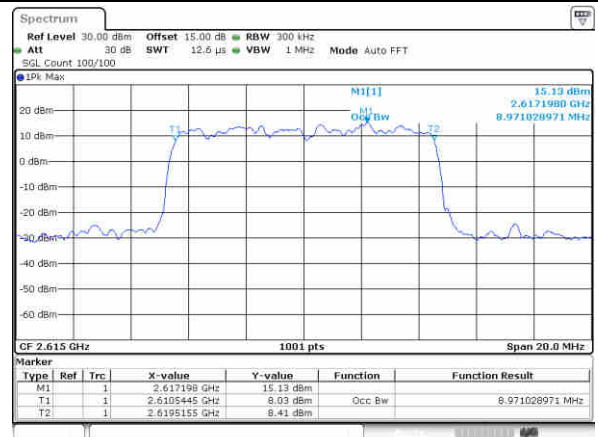
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



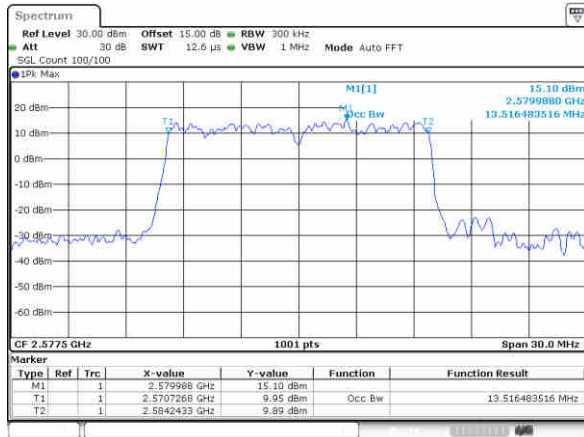
Highest Channel / 10MHz / 16QAM



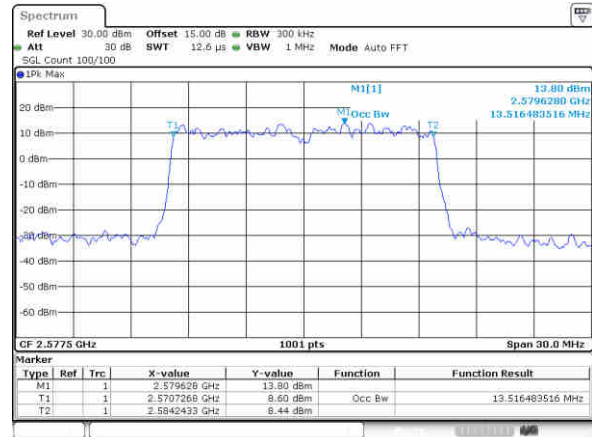


LTE Band 38

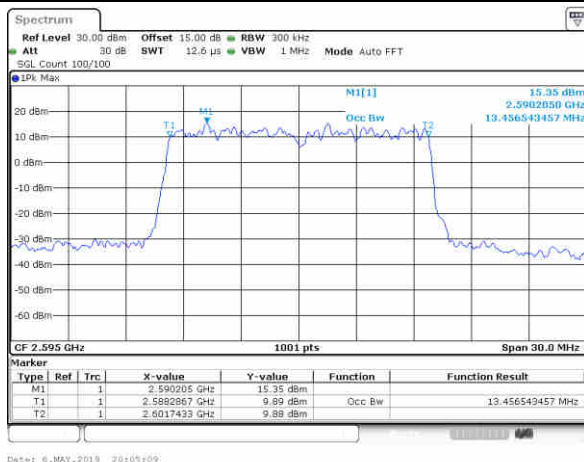
Lowest Channel / 15MHz / QPSK



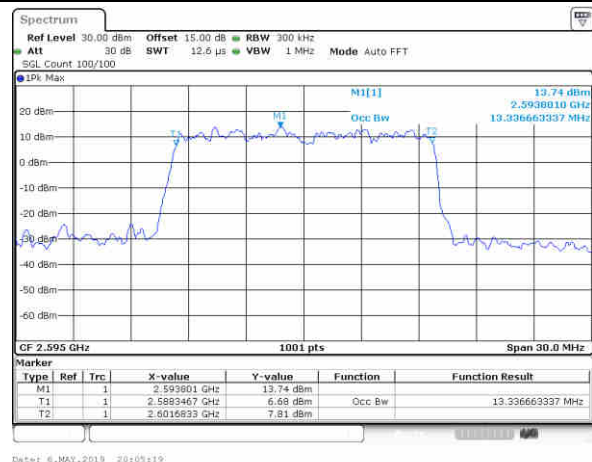
Lowest Channel / 15MHz / 16QAM



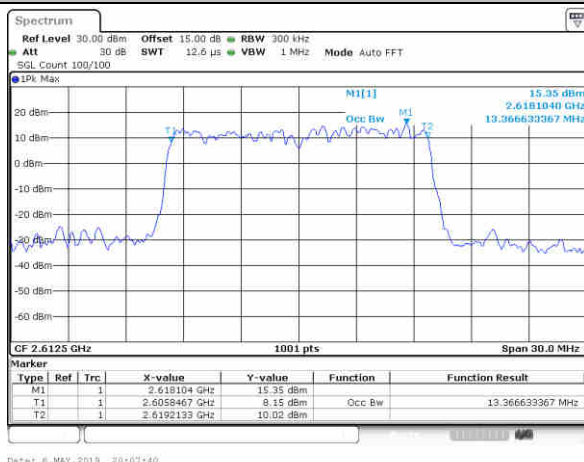
Middle Channel / 15MHz / QPSK



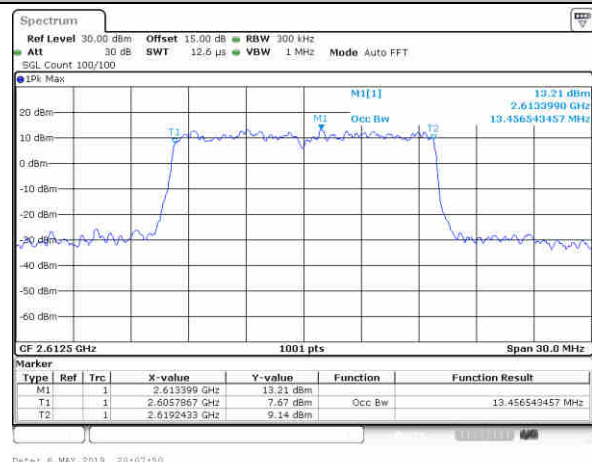
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



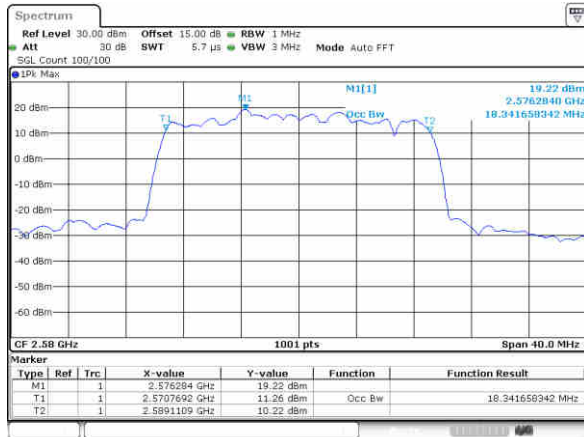
Highest Channel / 15MHz / 16QAM



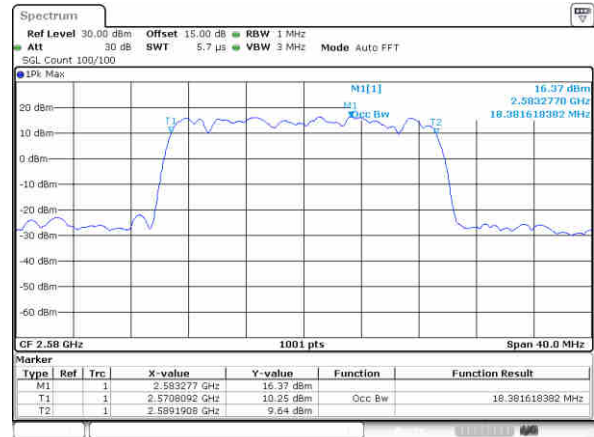


LTE Band 38

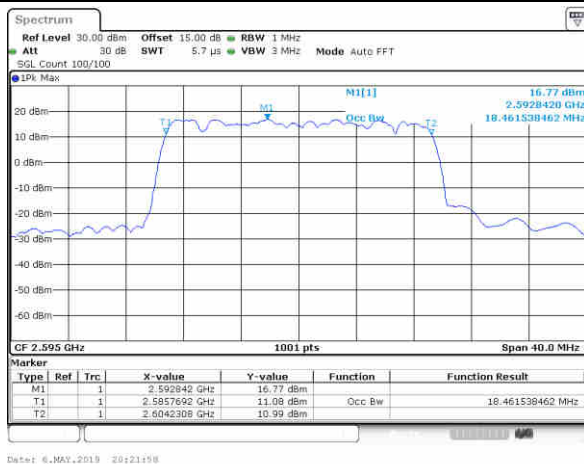
Lowest Channel / 20MHz / QPSK



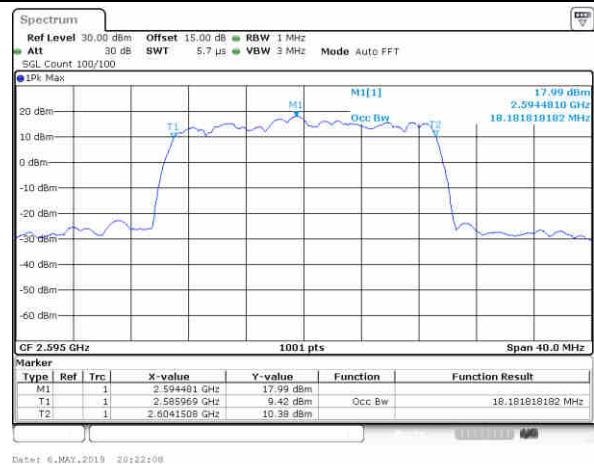
Lowest Channel / 20MHz / 16QAM



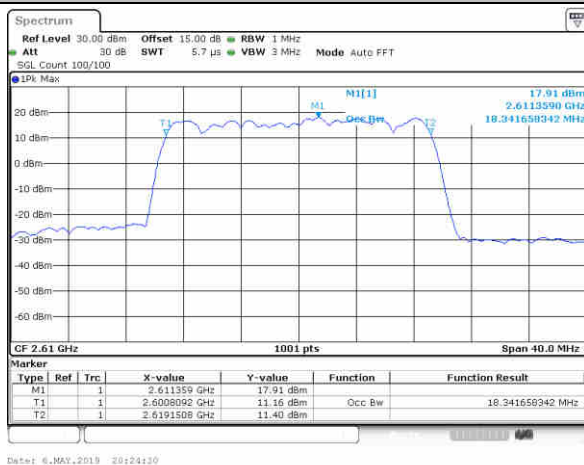
Middle Channel / 20MHz / QPSK



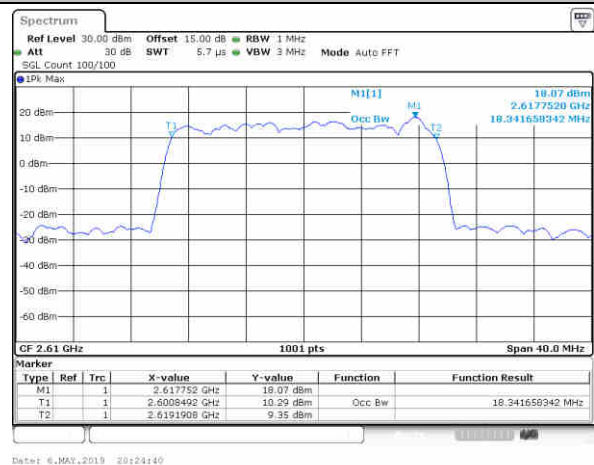
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



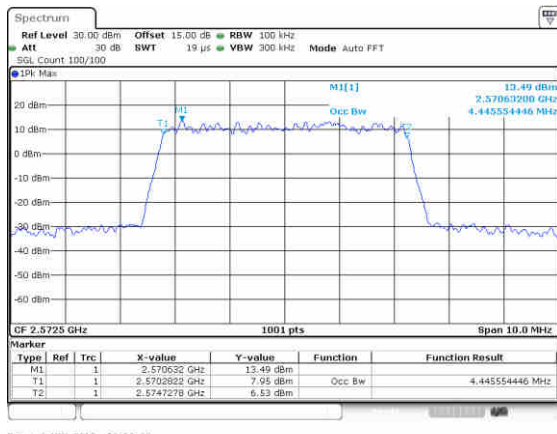
Highest Channel / 20MHz / 16QAM



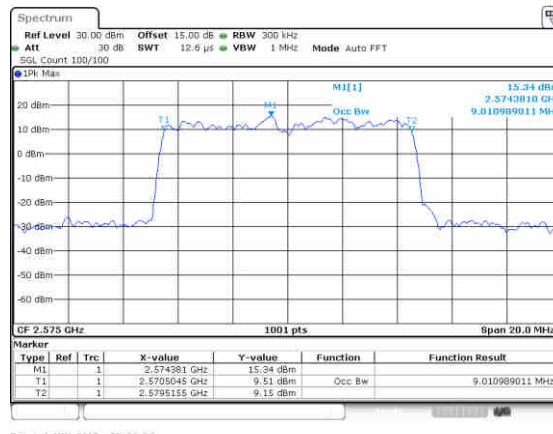


LTE Band 38

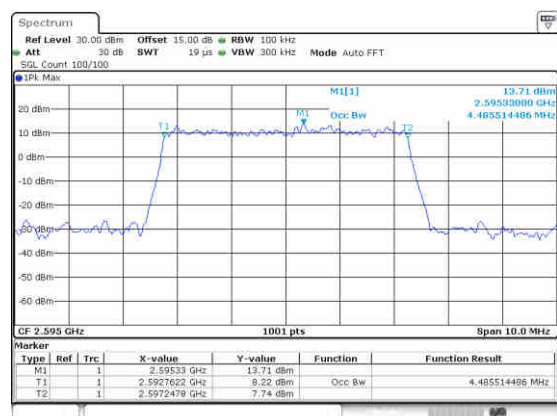
Lowest Channel / 5MHz / 64QAM



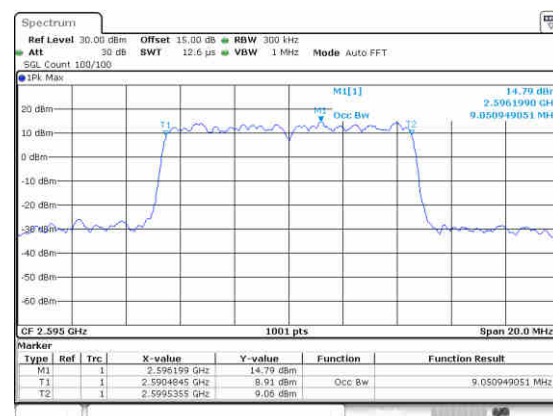
Lowest Channel / 10MHz / 64QAM



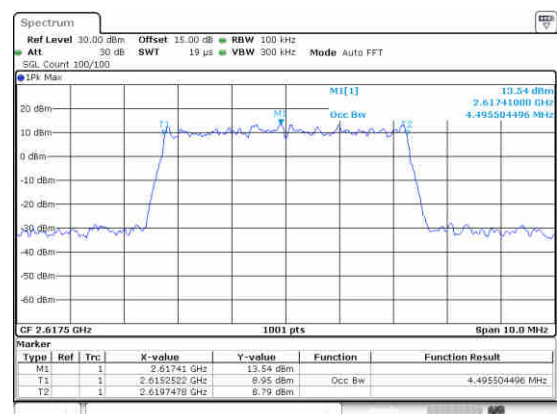
Middle Channel / 5MHz / 64QAM



Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



Highest Channel / 10MHz / 64QAM

