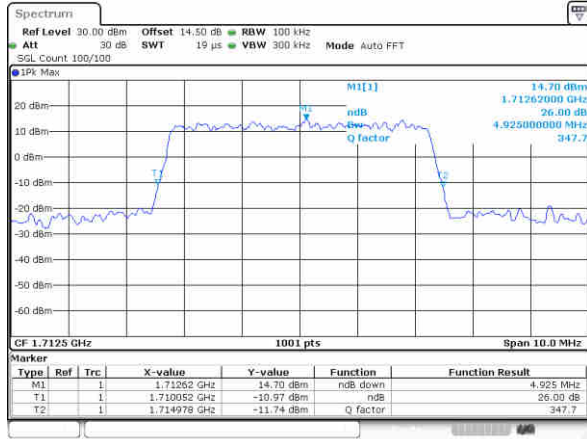


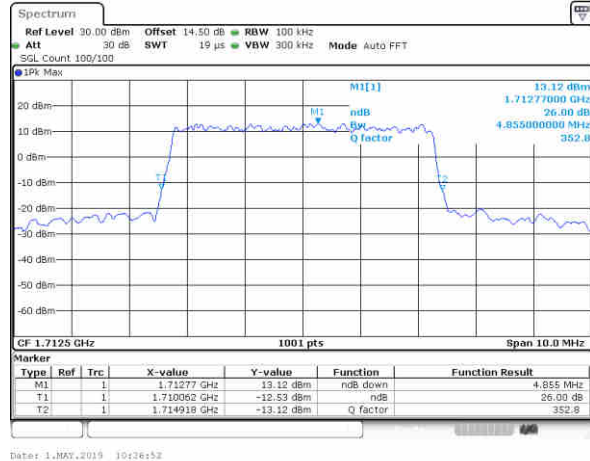


LTE Band 4

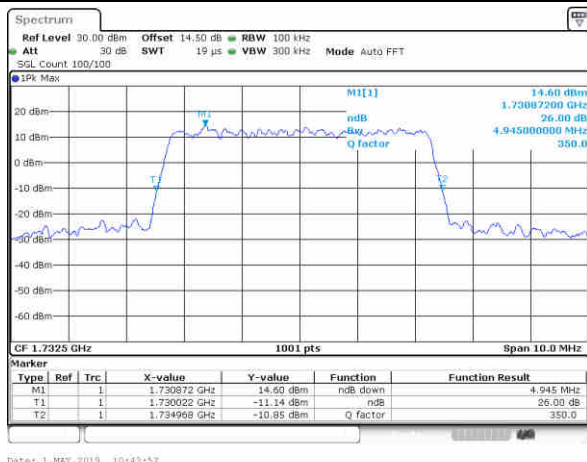
Lowest Channel / 5MHz / QPSK



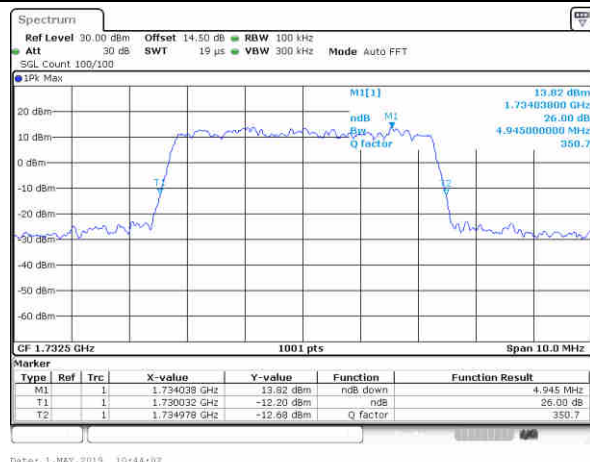
Lowest Channel / 5MHz / 16QAM



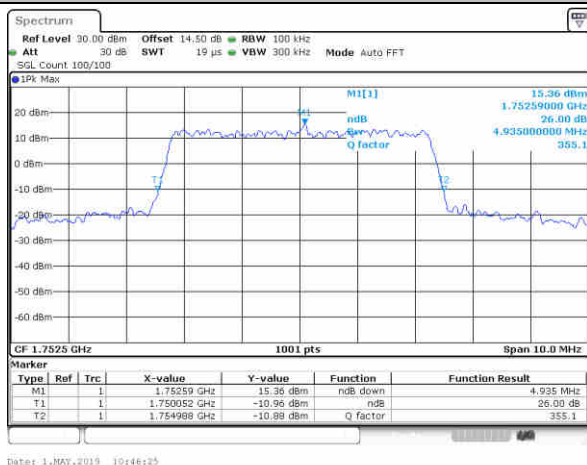
Middle Channel / 5MHz / QPSK



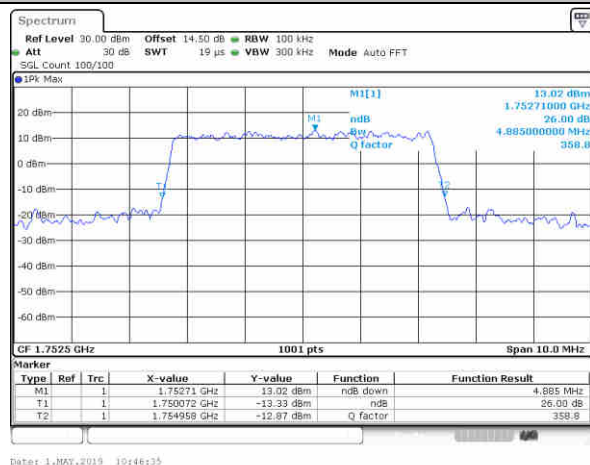
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



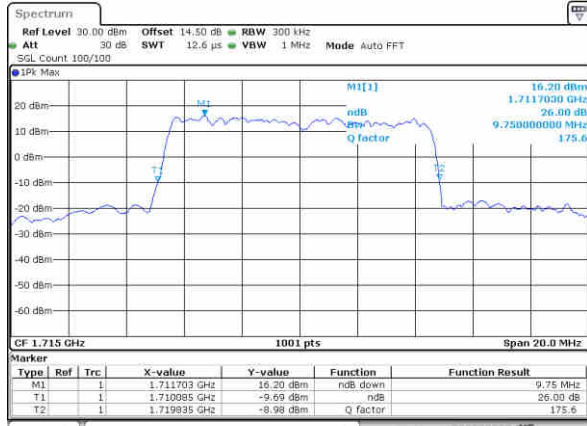
Highest Channel / 5MHz / 16QAM





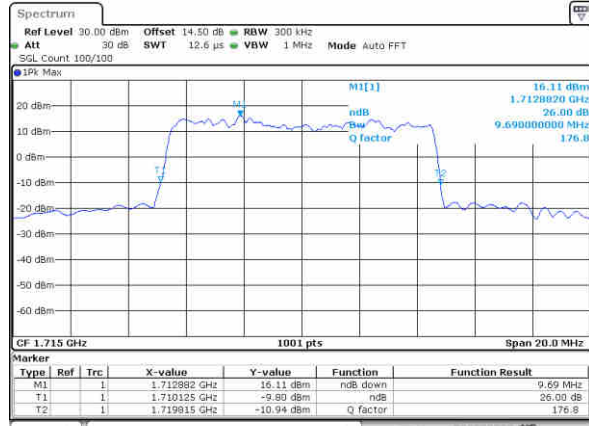
LTE Band 4

Lowest Channel / 10MHz / QPSK



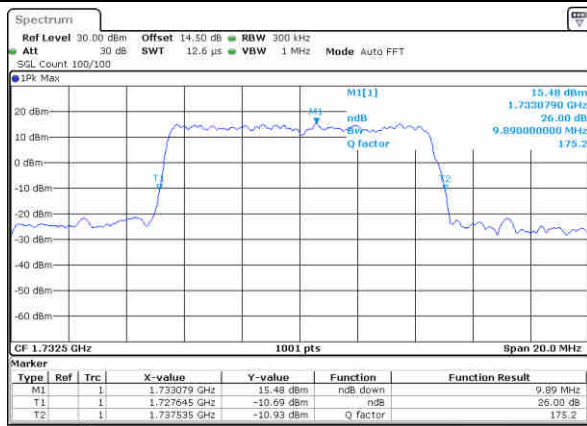
Date: 1.MAY.2019 10:54:15

Lowest Channel / 10MHz / 16QAM



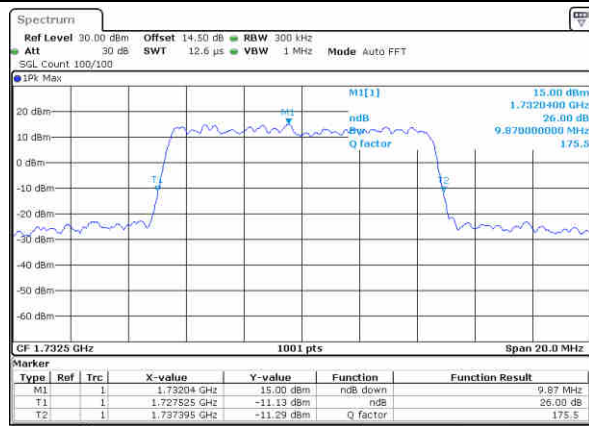
Date: 1.MAY.2019 10:54:15

Middle Channel / 10MHz / QPSK



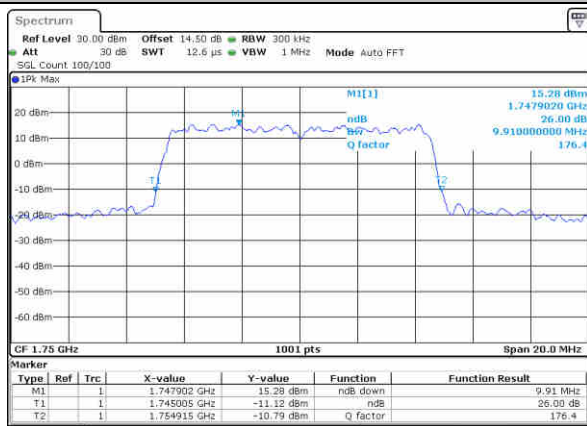
Date: 1.MAY.2019 11:07:57

Middle Channel / 10MHz / 16QAM



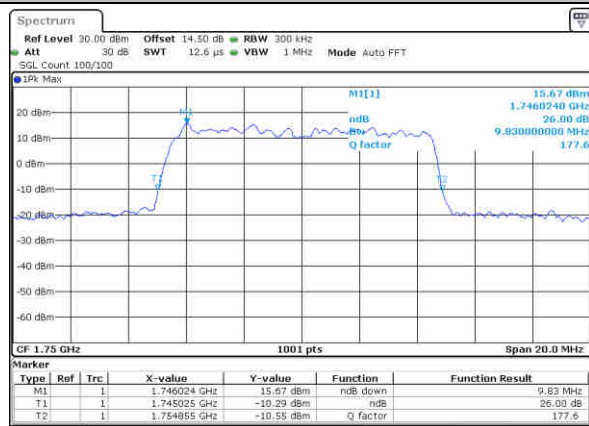
Date: 1.MAY.2019 11:08:07

Highest Channel / 10MHz / QPSK



Date: 1.MAY.2019 11:10:29

Highest Channel / 10MHz / 16QAM

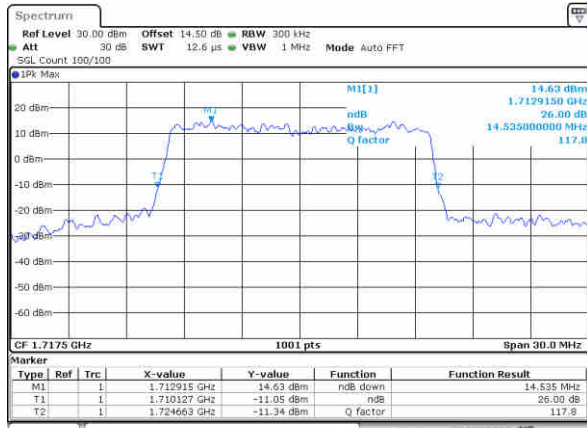


Date: 1.MAY.2019 11:10:39



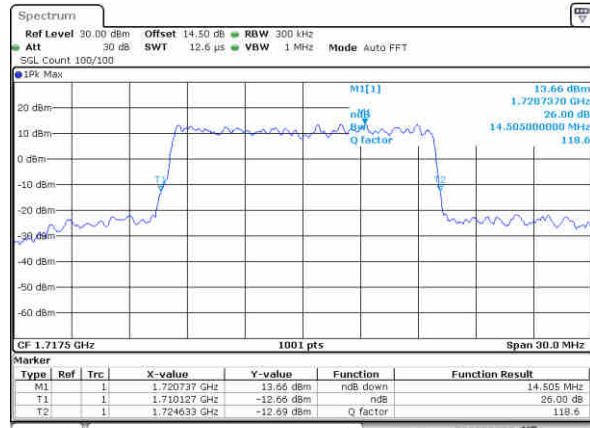
LTE Band 4

Lowest Channel / 15MHz / QPSK



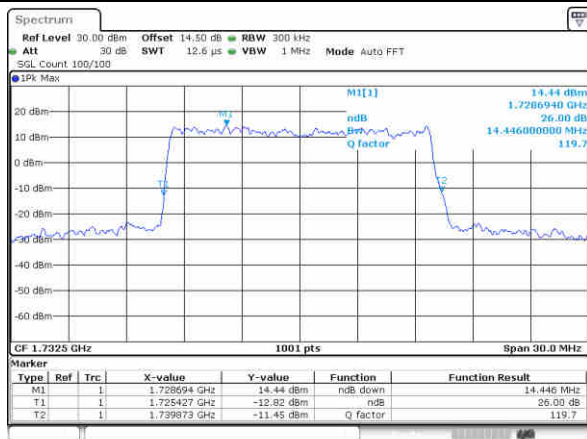
Date: 1.MAY.2019 11:23:45

Lowest Channel / 15MHz / 16QAM



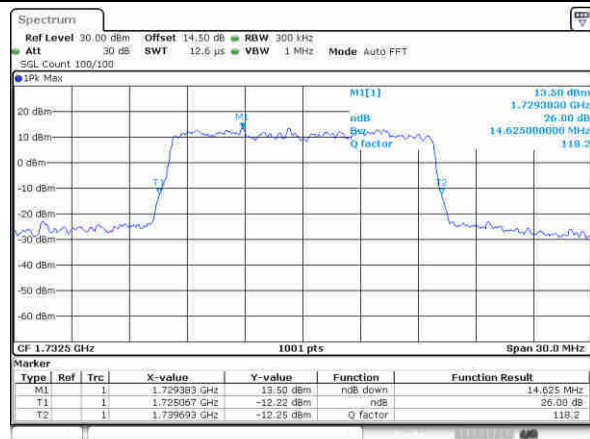
Date: 1.MAY.2019 11:23:55

Middle Channel / 15MHz / QPSK



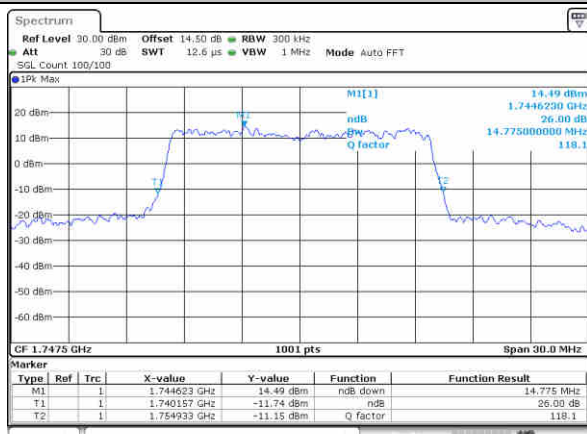
Date: 1.MAY.2019 11:30:57

Middle Channel / 15MHz / 16QAM



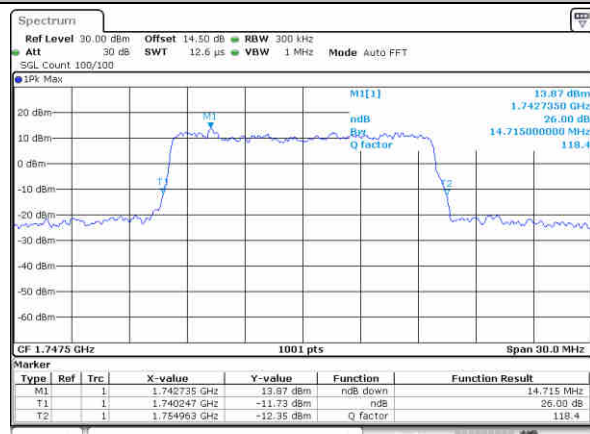
Date: 1.MAY.2019 11:31:07

Highest Channel / 15MHz / QPSK



Date: 1.MAY.2019 11:33:29

Highest Channel / 15MHz / 16QAM

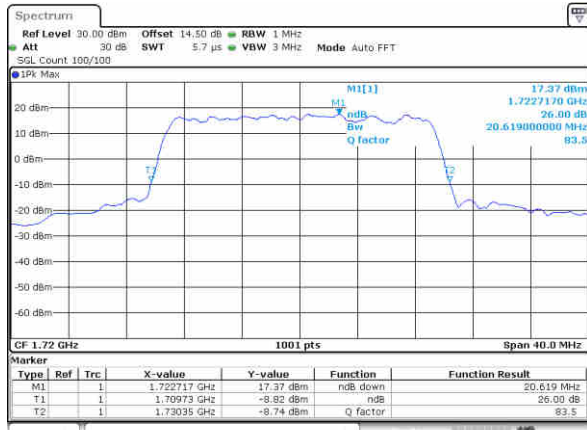


Date: 1.MAY.2019 11:33:39

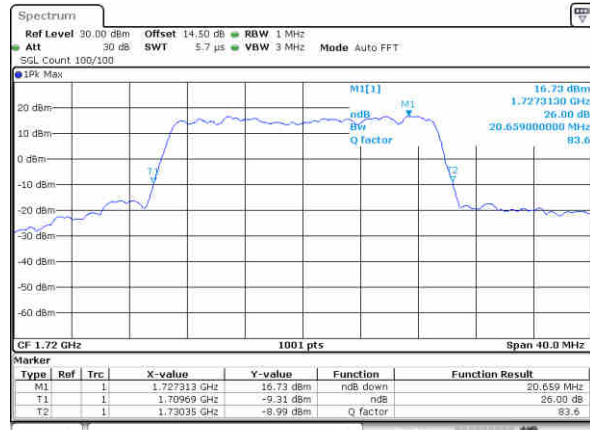


LTE Band 4

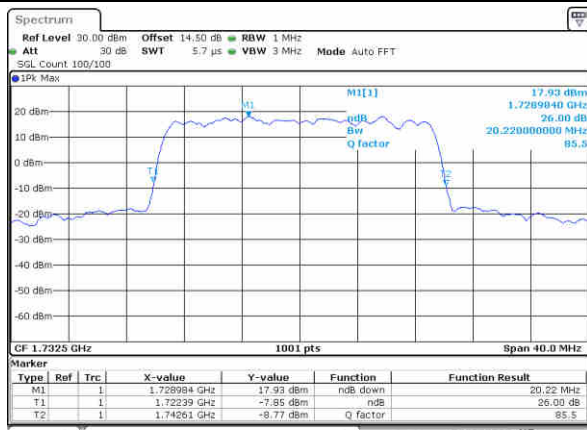
Lowest Channel / 20MHz / QPSK



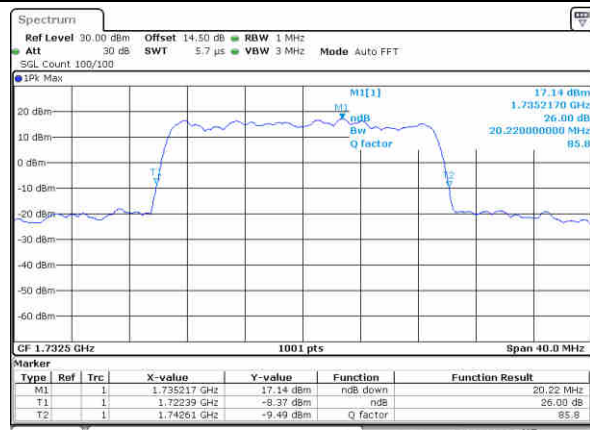
Lowest Channel / 20MHz / 16QAM



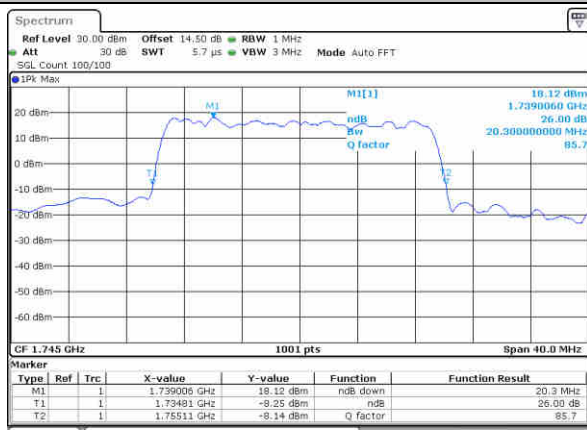
Middle Channel / 20MHz / QPSK



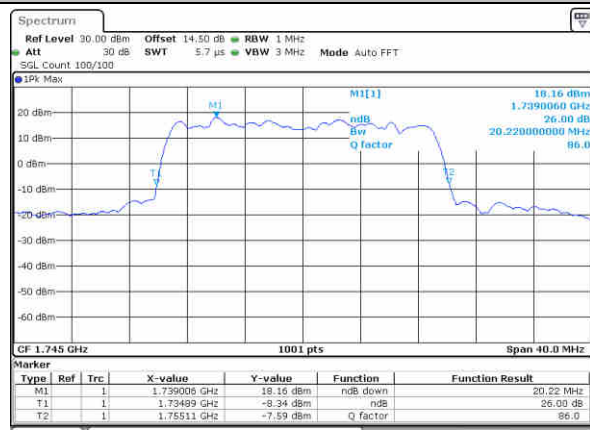
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



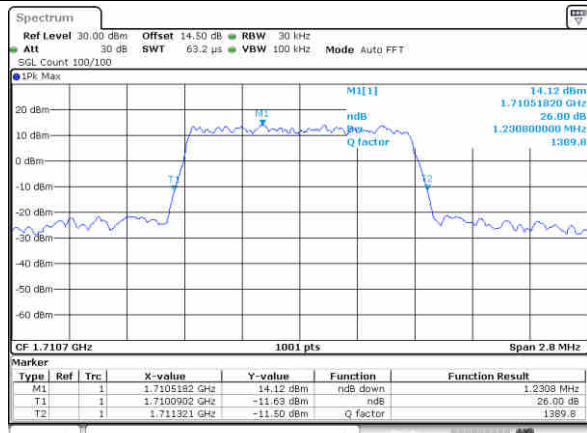
Highest Channel / 20MHz / 16QAM





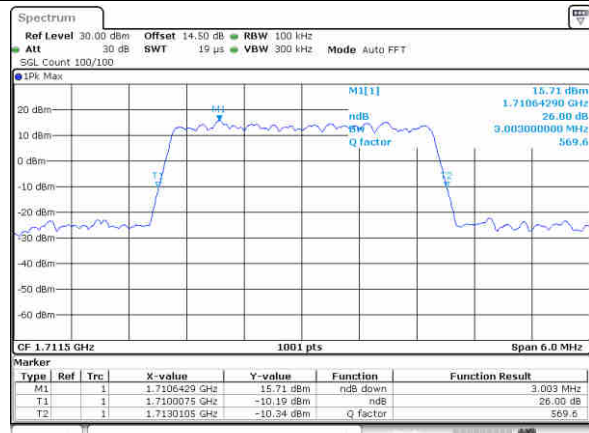
LTE Band 4

Lowest Channel / 1.4MHz / 64QAM



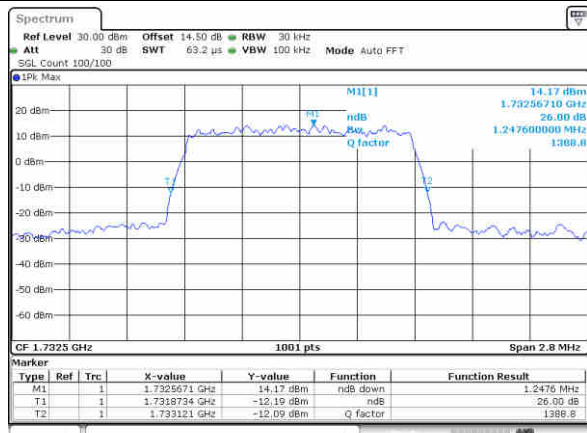
Date: 1.MAY.2019 12:04:54

Lowest Channel / 3MHz / 64QAM



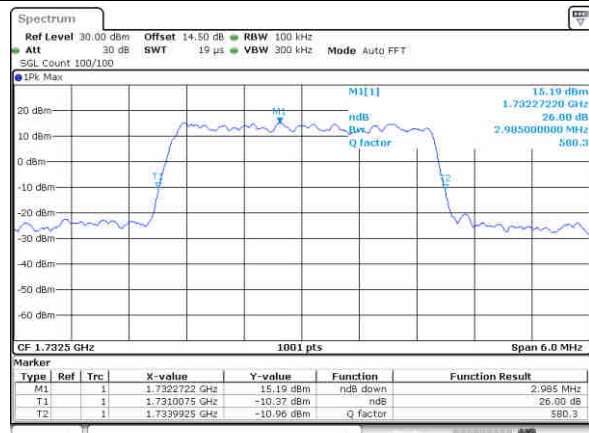
Date: 1.MAY.2019 12:13:20

Middle Channel / 1.4MHz / 64QAM



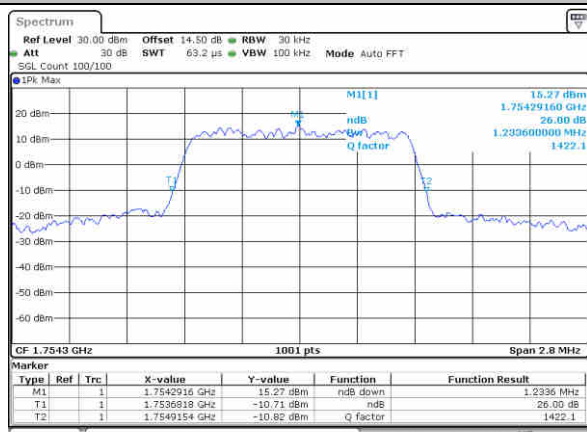
Date: 1.MAY.2019 12:08:29

Middle Channel / 3MHz / 64QAM



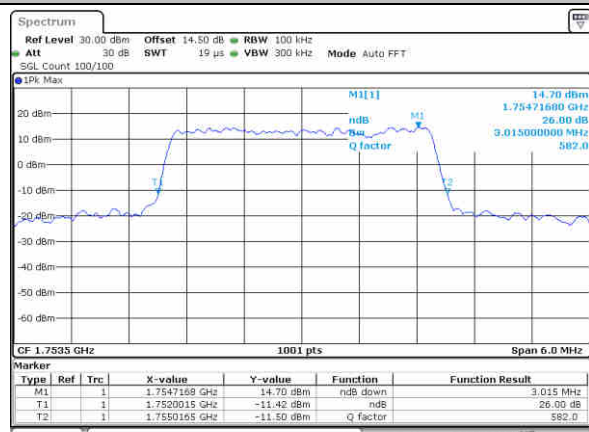
Date: 1.MAY.2019 12:16:55

Highest Channel / 1.4MHz / 64QAM



Date: 1.MAY.2019 12:09:45

Highest Channel / 3MHz / 64QAM

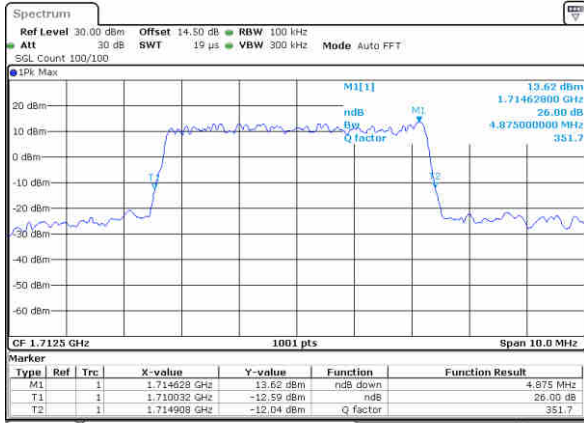


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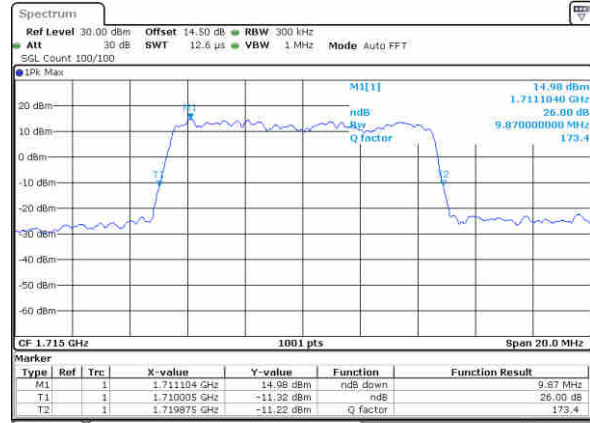


LTE Band 4

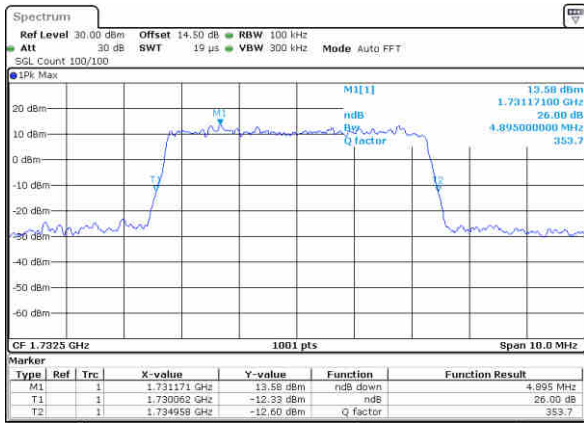
Lowest Channel / 5MHz / 64QAM



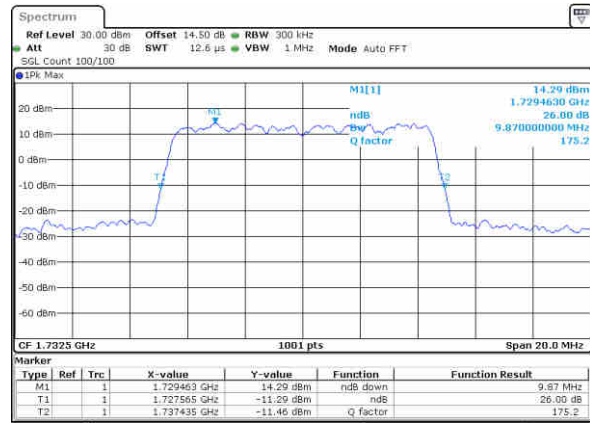
Lowest Channel / 10MHz / 64QAM



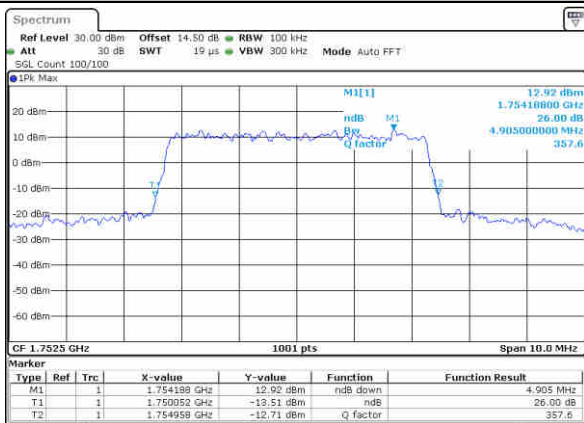
Middle Channel / 5MHz / 64QAM



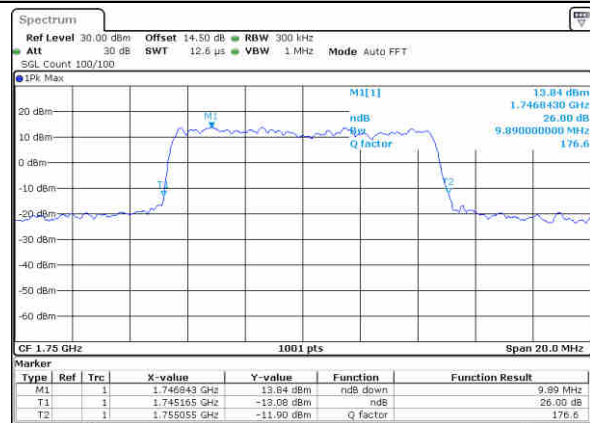
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



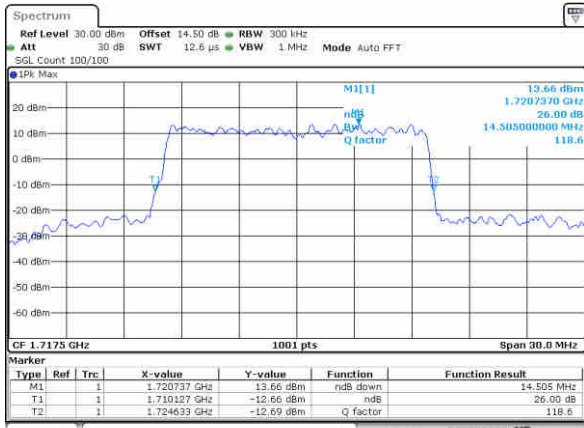
Highest Channel / 10MHz / 64QAM





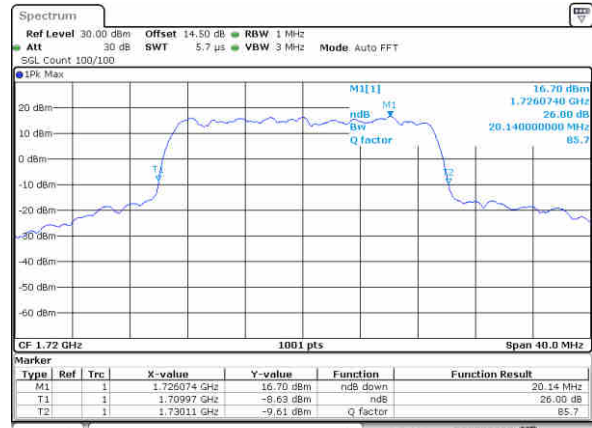
LTE Band 4

Lowest Channel / 15MHz / 64QAM



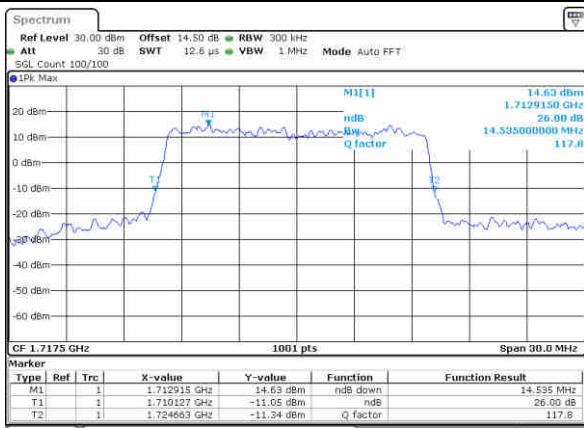
Date: 1.MAY.2019 11:23:55

Lowest Channel / 20MHz / 64QAM



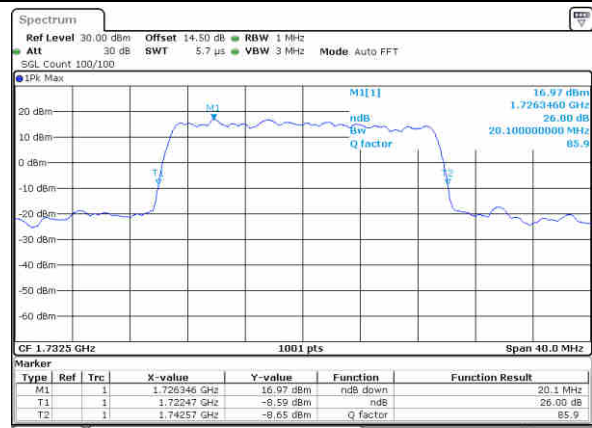
Date: 1.MAY.2019 12:47:01

Middle Channel / 15MHz / 64QAM



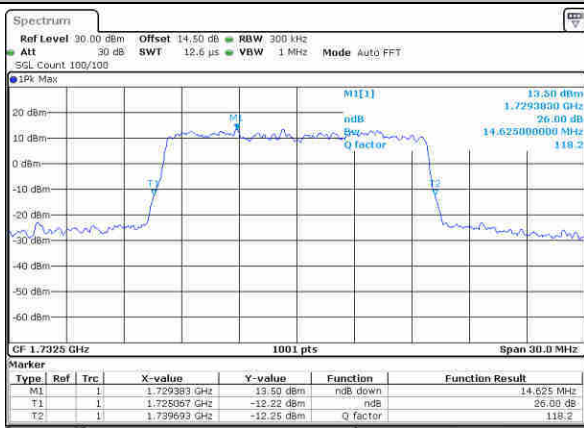
Date: 1.MAY.2019 11:23:45

Middle Channel / 20MHz / 64QAM



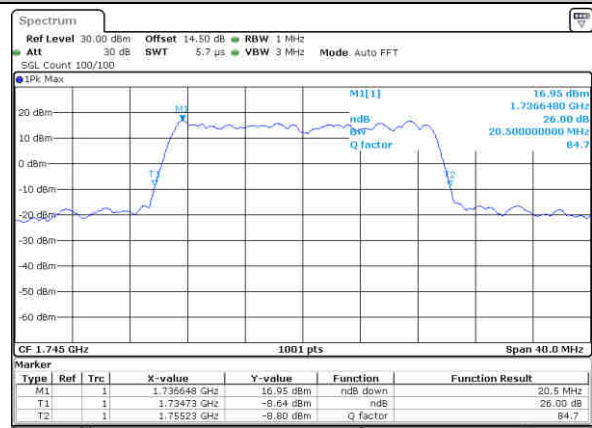
Date: 1.MAY.2019 12:50:36

Highest Channel / 15MHz / 64QAM



Date: 1.MAY.2019 11:31:07

Highest Channel / 20MHz / 64QAM

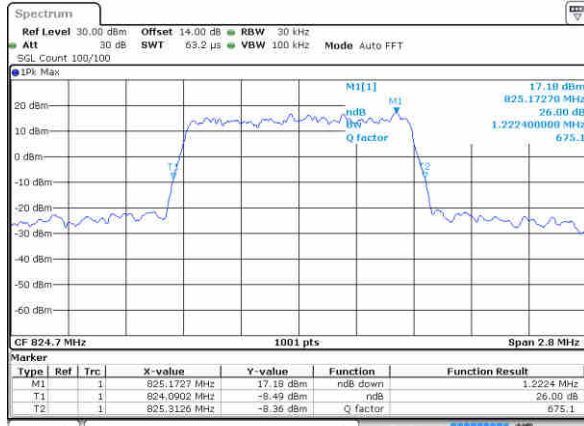


Date: 1.MAY.2019 12:51:53



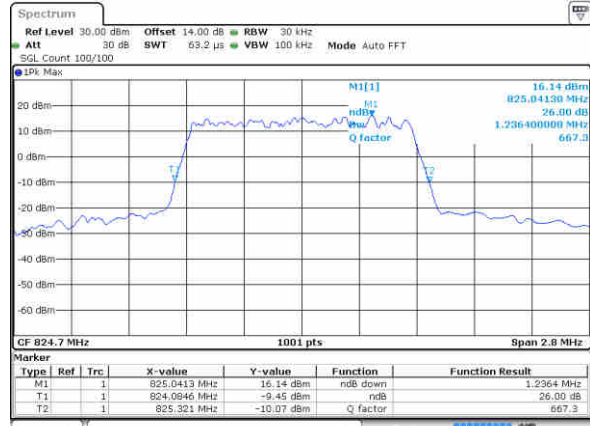
LTE Band 5

Lowest Channel / 1.4MHz / QPSK



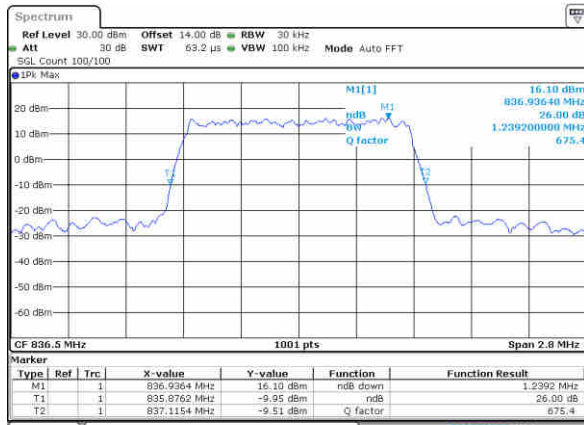
Date: 1 MAY 2019 00:46:12

Lowest Channel / 1.4MHz / 16QAM



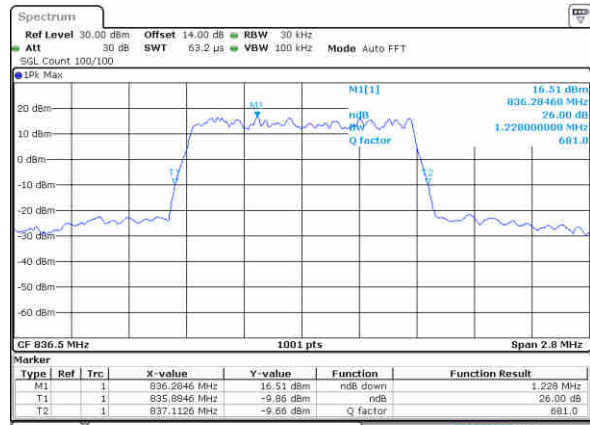
Date: 1 MAY 2019 00:46:02

Middle Channel / 1.4MHz / QPSK



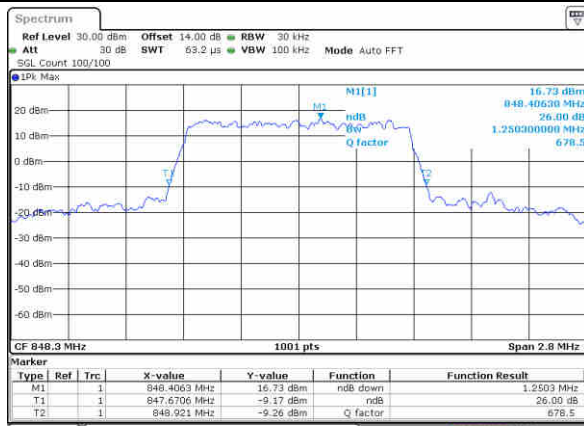
Date: 1 MAY 2019 00:55:05

Middle Channel / 1.4MHz / 16QAM



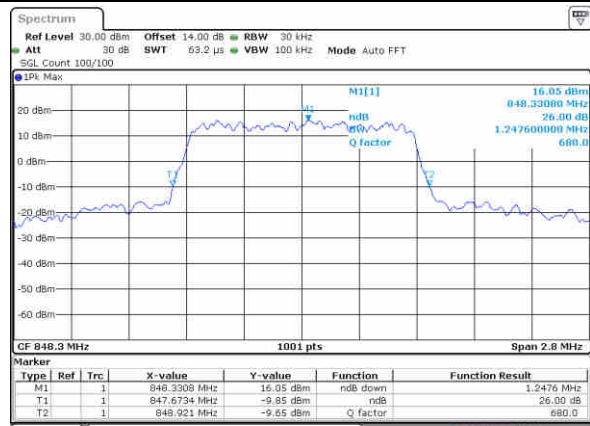
Date: 1 MAY 2019 00:55:15

Highest Channel / 1.4MHz / QPSK



Date: 1 MAY 2019 00:57:34

Highest Channel / 1.4MHz / 16QAM

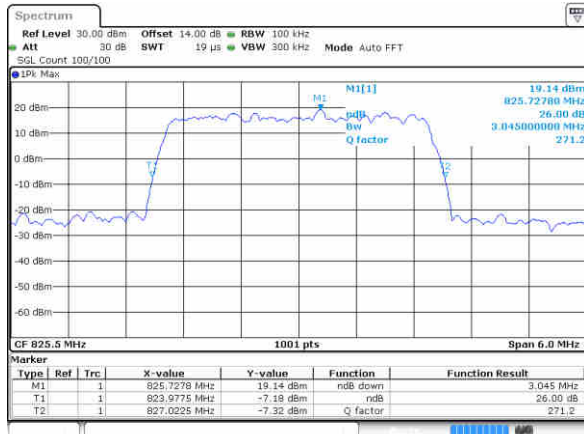


Date: 1 MAY 2019 00:57:44

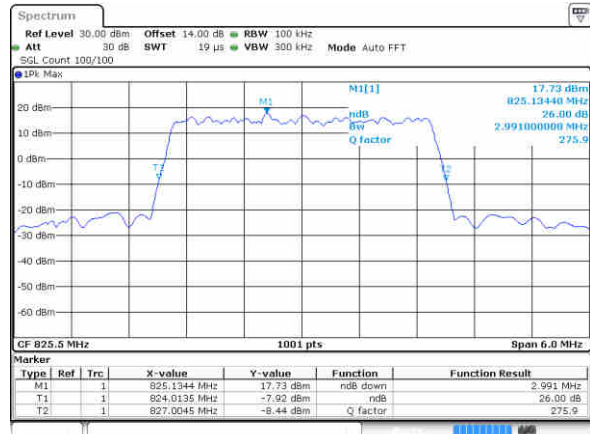


LTE Band 5

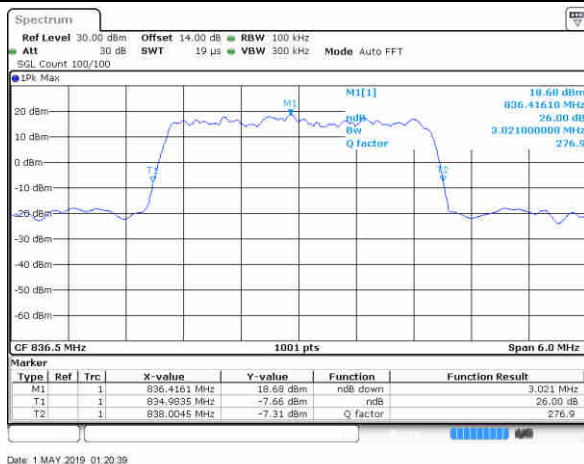
Lowest Channel / 3MHz / QPSK



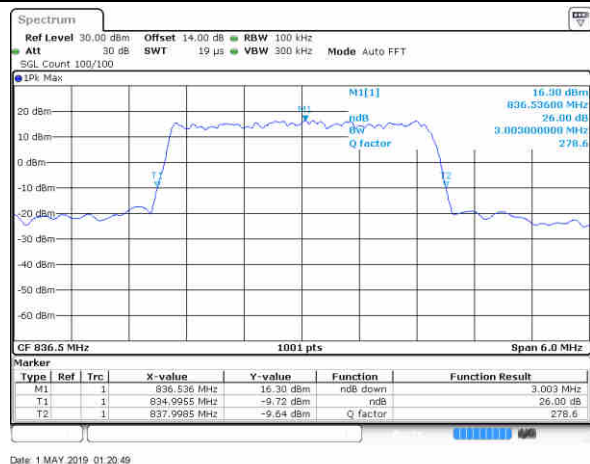
Lowest Channel / 3MHz / 16QAM



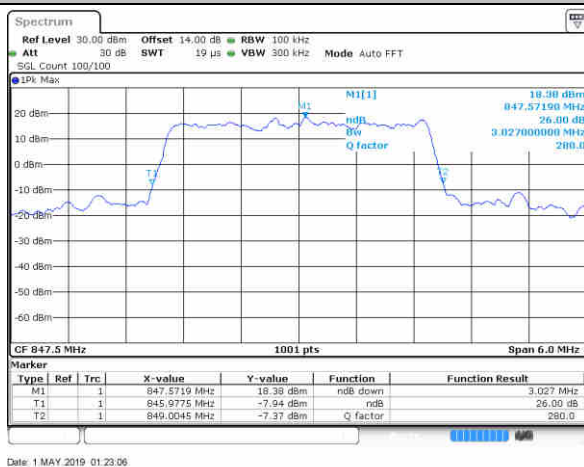
Middle Channel / 3MHz / QPSK



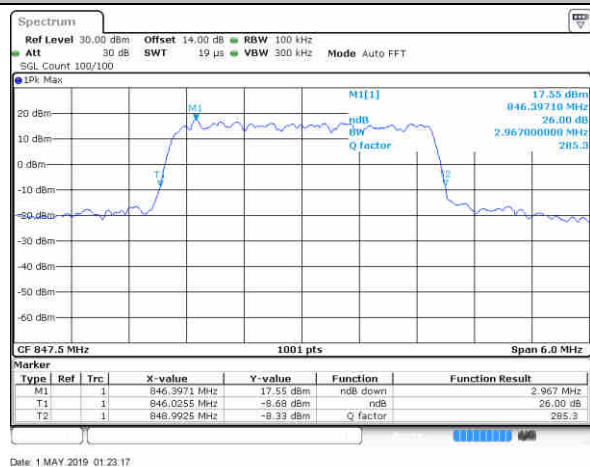
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



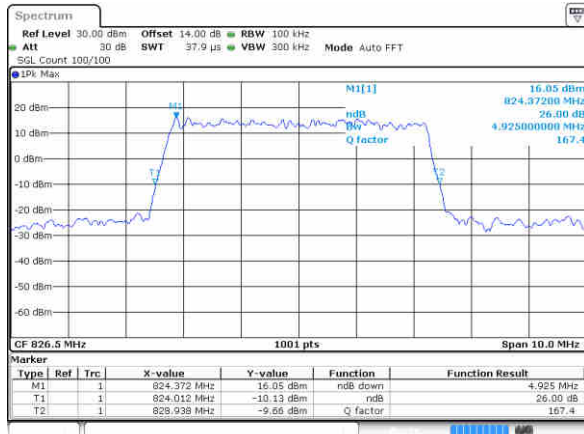
Highest Channel / 3MHz / 16QAM



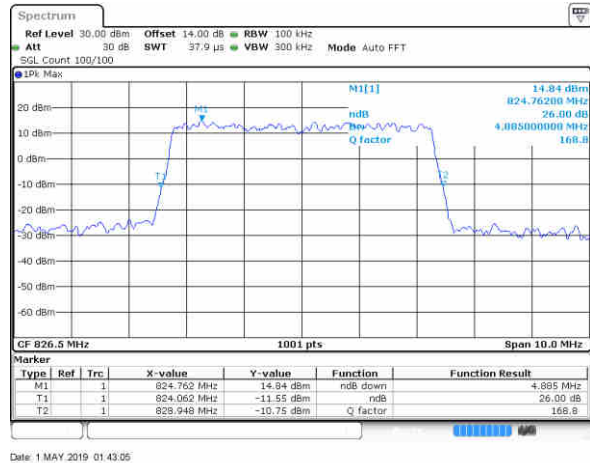


LTE Band 5

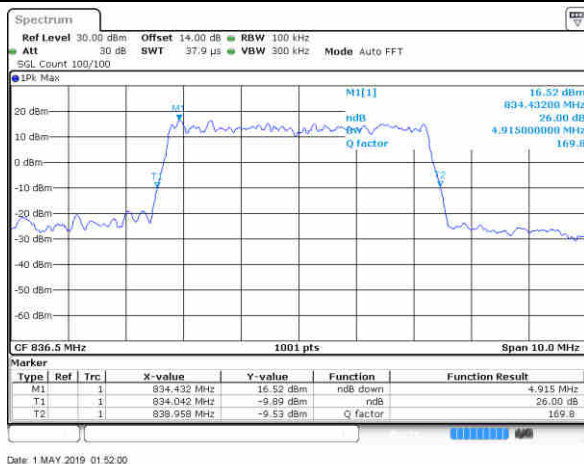
Lowest Channel / 5MHz / QPSK



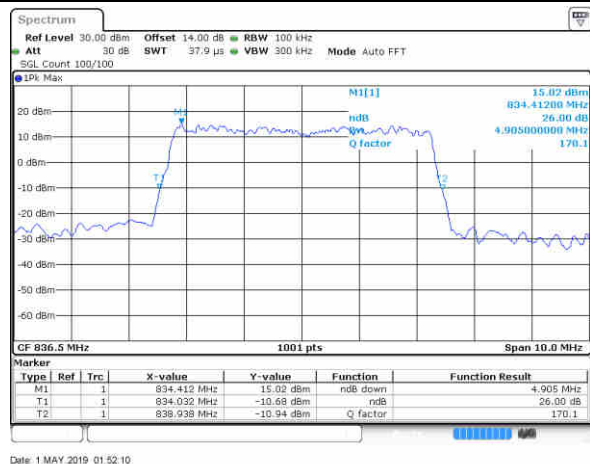
Lowest Channel / 5MHz / 16QAM



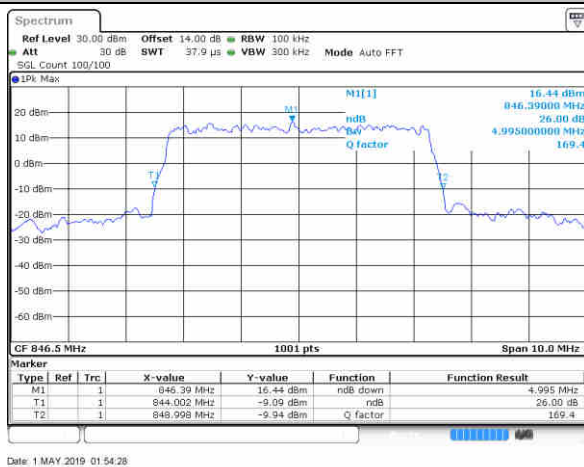
Middle Channel / 5MHz / QPSK



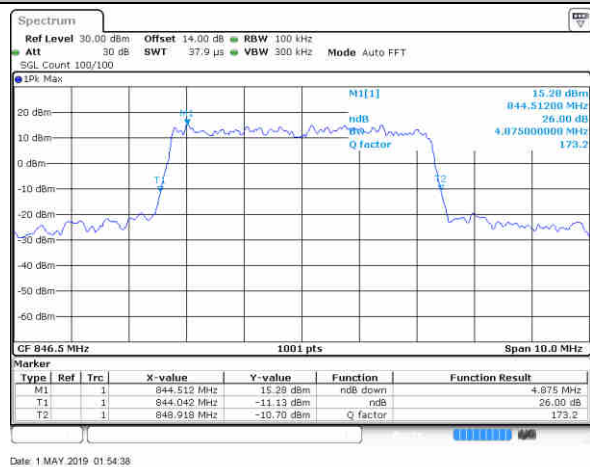
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



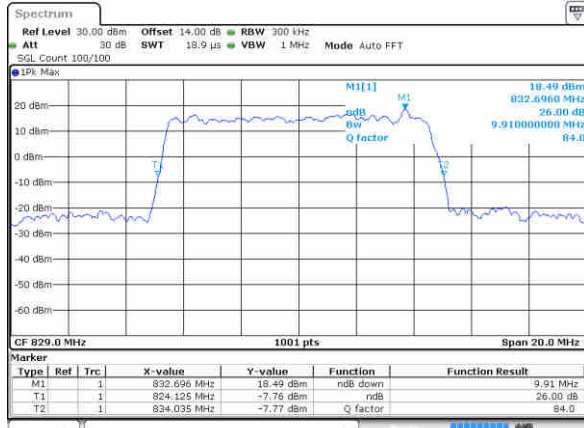
Highest Channel / 5MHz / 16QAM



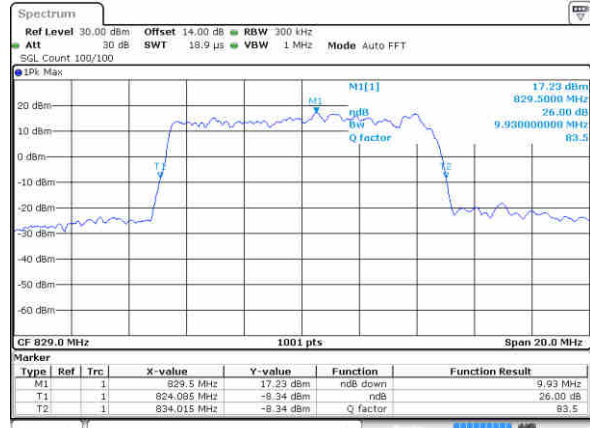


LTE Band 5

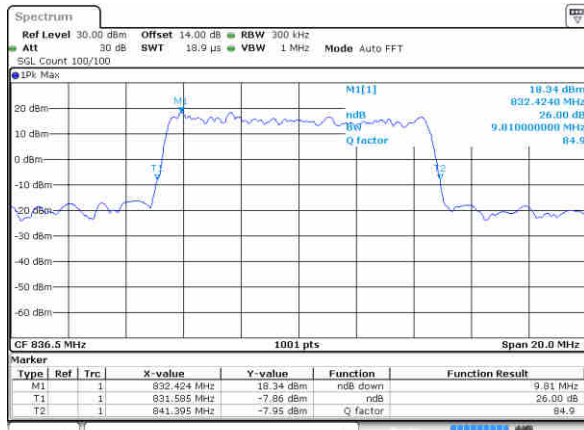
Lowest Channel / 10MHz / QPSK



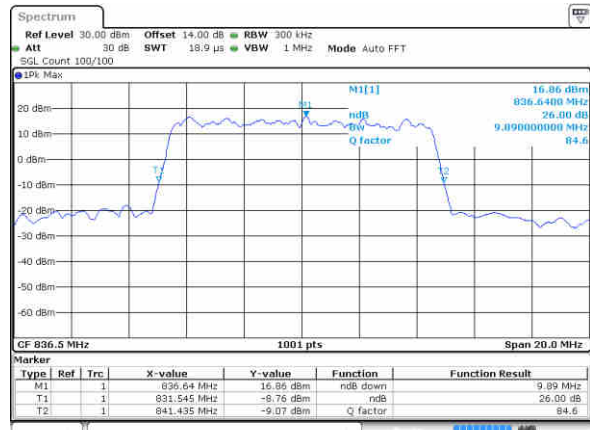
Lowest Channel / 10MHz / 16QAM



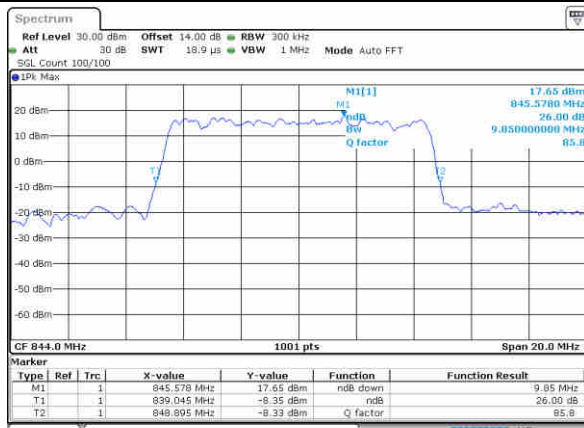
Middle Channel / 10MHz / QPSK



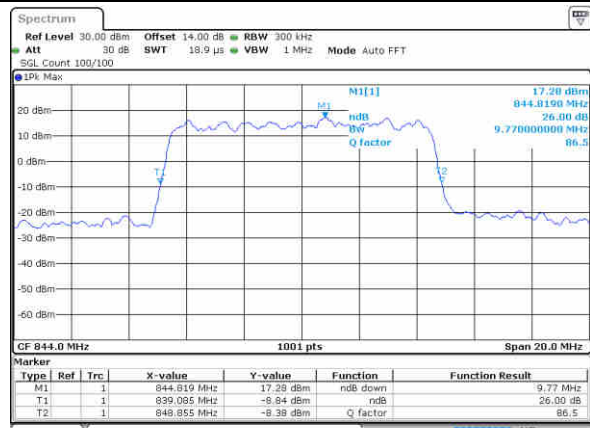
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



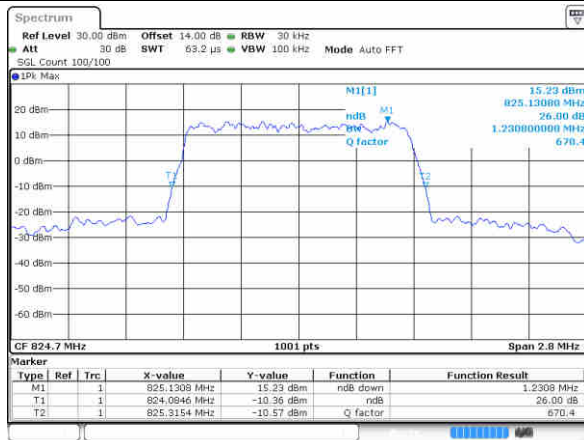
Highest Channel / 10MHz / 16QAM



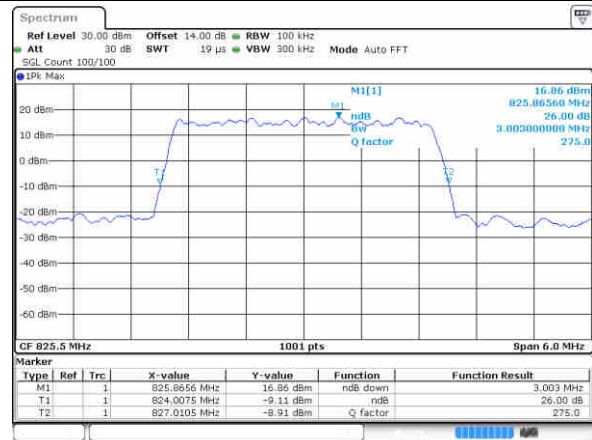


LTE Band 5

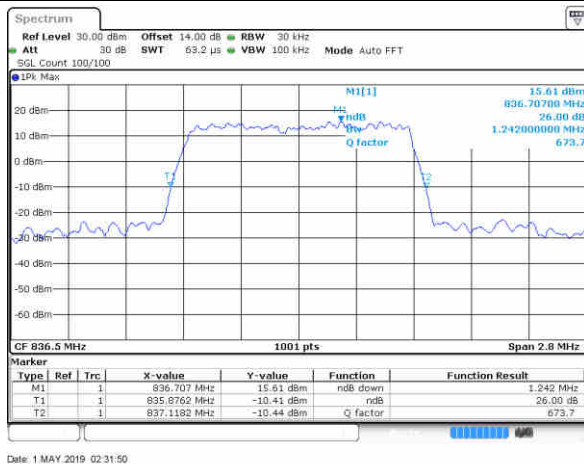
Lowest Channel / 1.4MHz / 64QAM



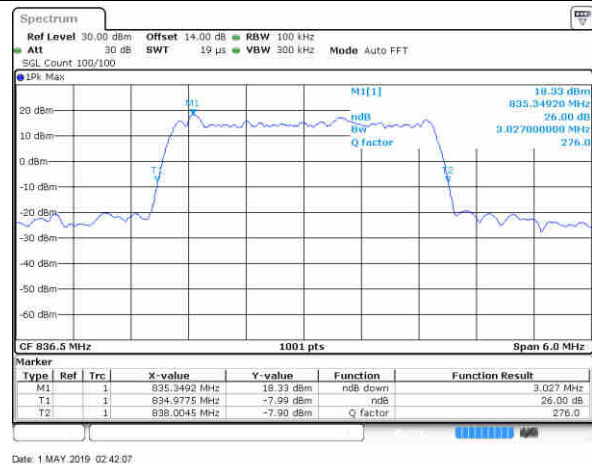
Lowest Channel / 3MHz / 64QAM



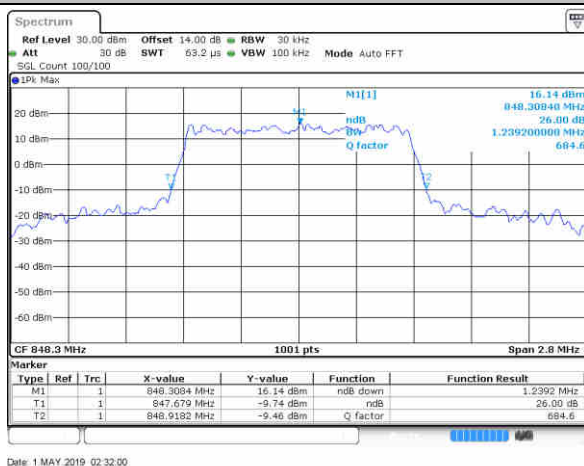
Middle Channel / 1.4MHz / 64QAM



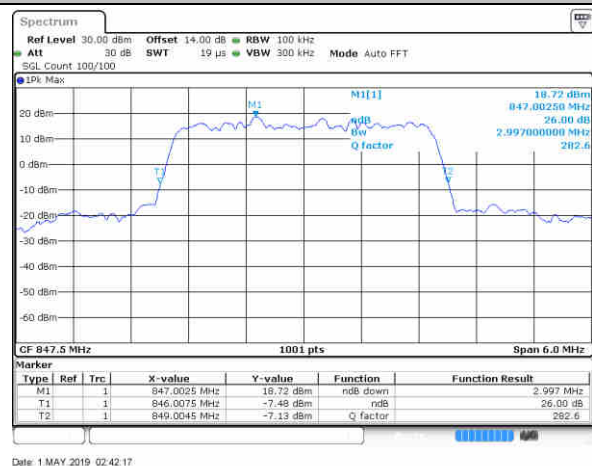
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM



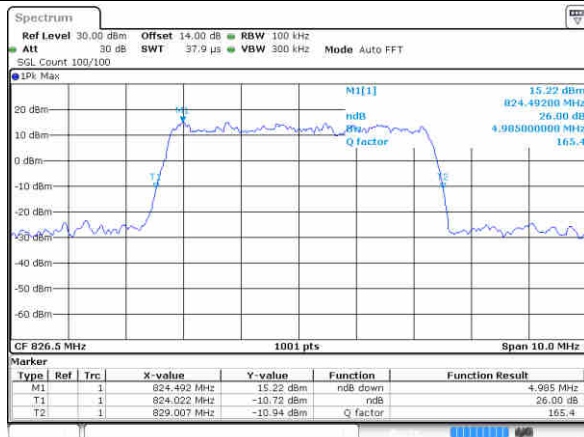
Highest Channel / 3MHz / 64QAM





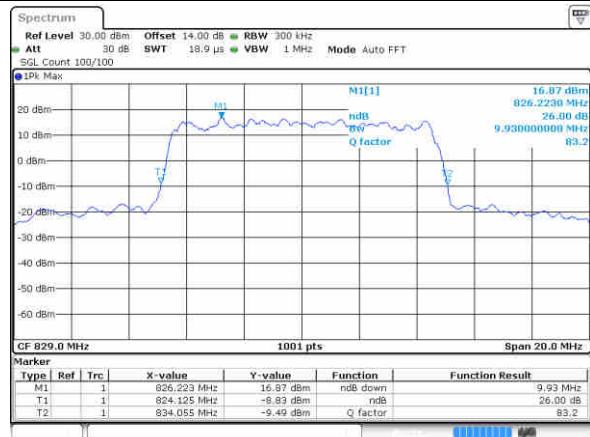
LTE Band 5

Lowest Channel / 5MHz / 64QAM



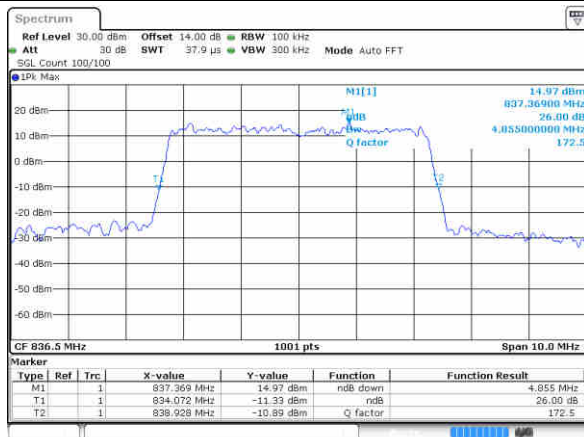
Date: 1 MAY 2019 02:52:15

Lowest Channel / 10MHz / 64QAM



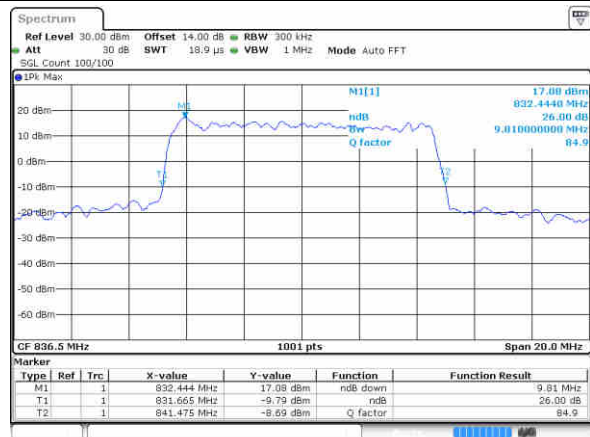
Date: 1 MAY 2019 03:02:33

Middle Channel / 5MHz / 64QAM



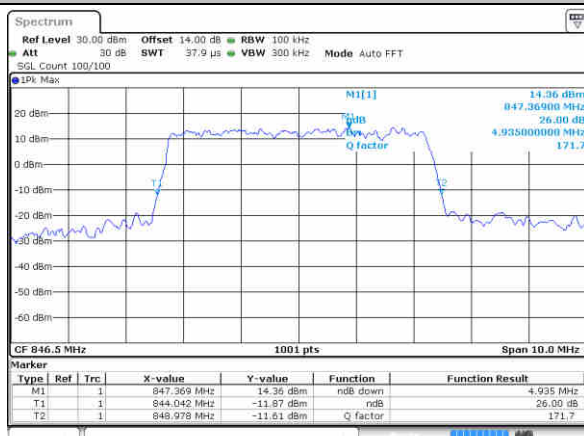
Date: 1 MAY 2019 02:52:25

Middle Channel / 10MHz / 64QAM



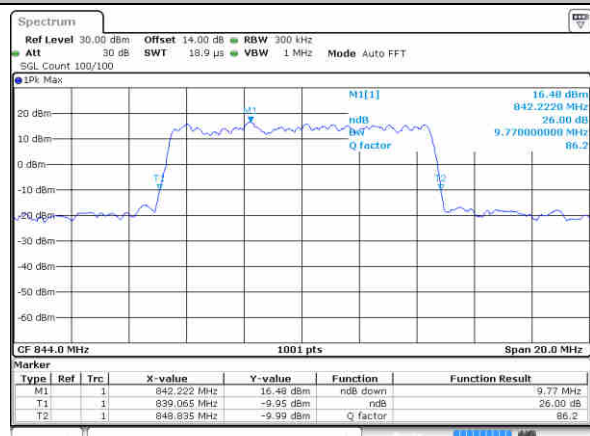
Date: 1 MAY 2019 03:02:43

Highest Channel / 5MHz / 64QAM



Date: 1 MAY 2019 02:52:35

Highest Channel / 10MHz / 64QAM

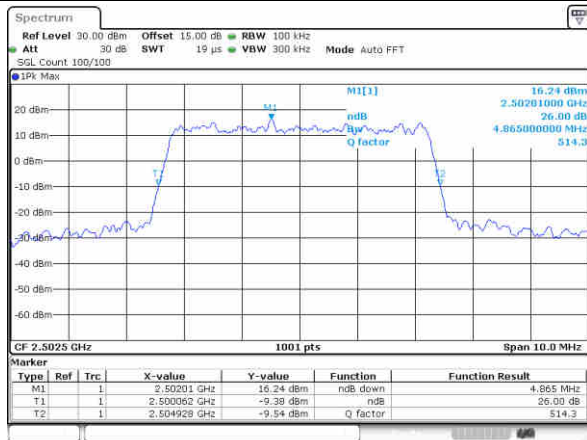


Date: 1 MAY 2019 03:02:53



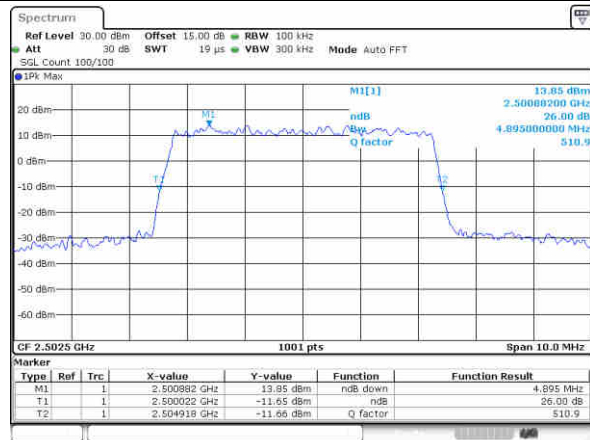
LTE Band 7

Lowest Channel / 5MHz / QPSK



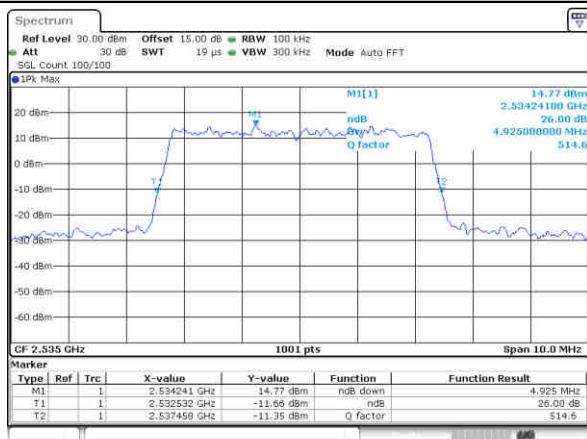
Date: 1.MAY.2019 15:05:48

Lowest Channel / 5MHz / 16QAM



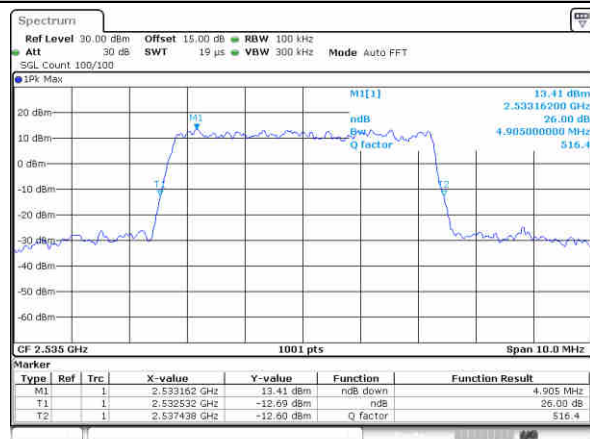
Date: 1.MAY.2019 15:09:31

Middle Channel / 5MHz / QPSK



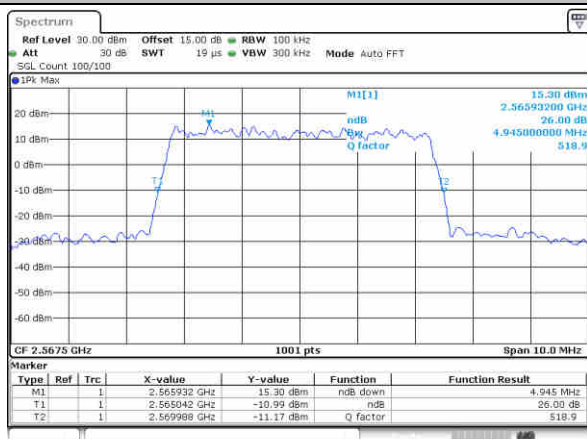
Date: 1.MAY.2019 15:05:48

Middle Channel / 5MHz / 16QAM



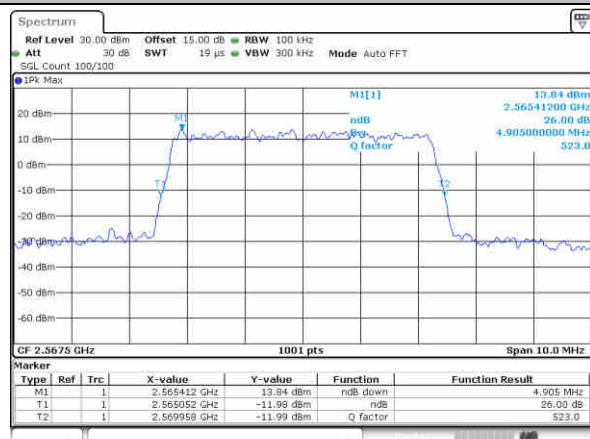
Date: 1.MAY.2019 15:09:41

Highest Channel / 5MHz / QPSK



Date: 1.MAY.2019 15:06:08

Highest Channel / 5MHz / 16QAM

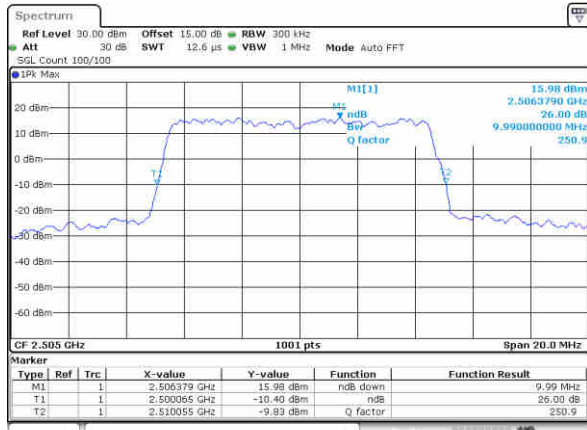


Date: 1.MAY.2019 15:09:51

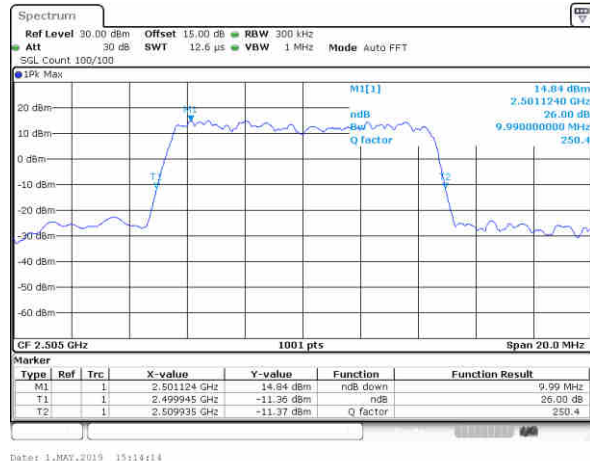


LTE Band 7

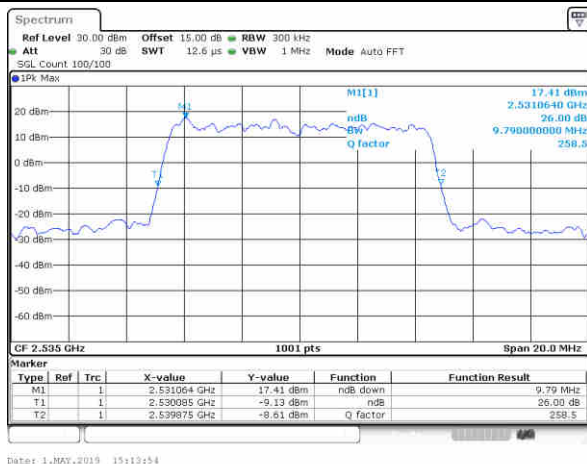
Lowest Channel / 10MHz / QPSK



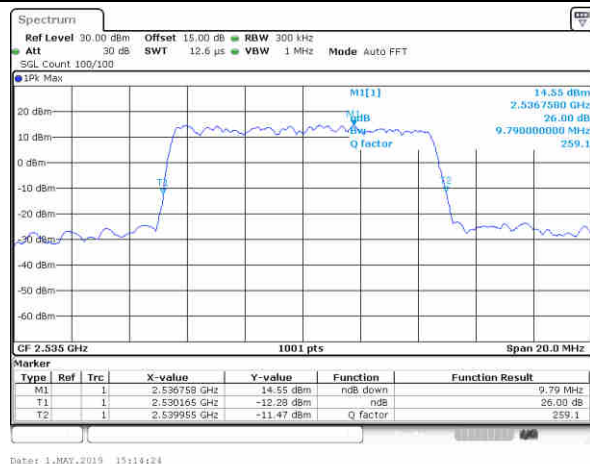
Lowest Channel / 10MHz / 16QAM



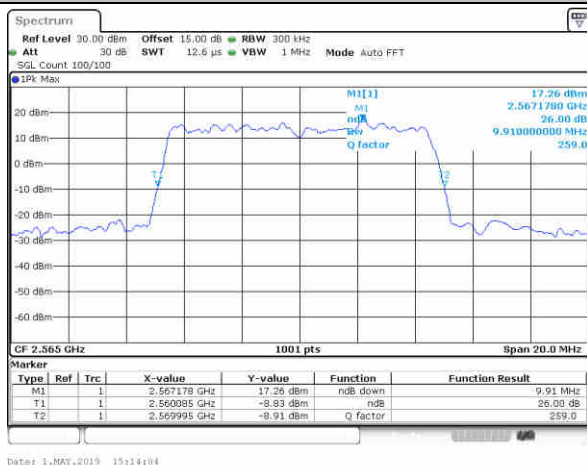
Middle Channel / 10MHz / QPSK



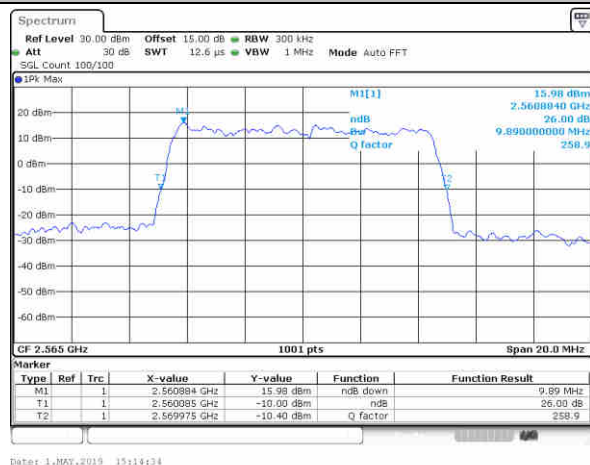
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



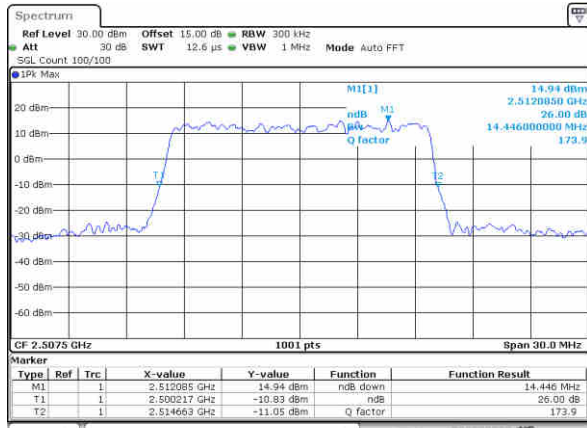
Highest Channel / 10MHz / 16QAM



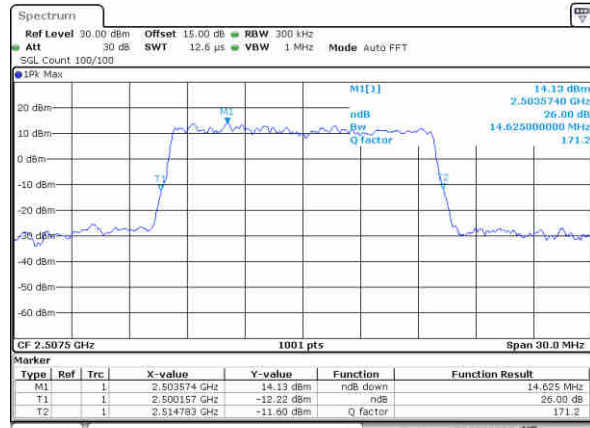


LTE Band 7

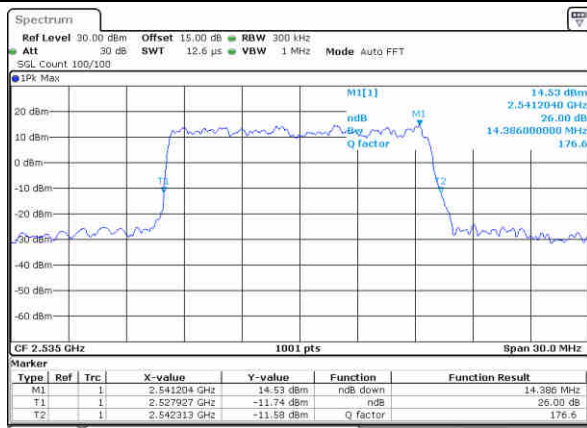
Lowest Channel / 15MHz / QPSK



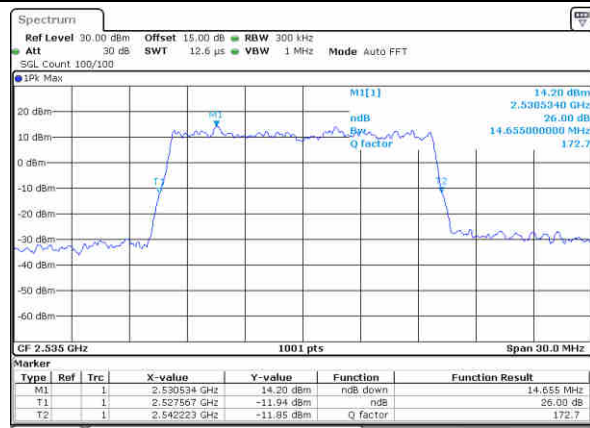
Lowest Channel / 15MHz / 16QAM



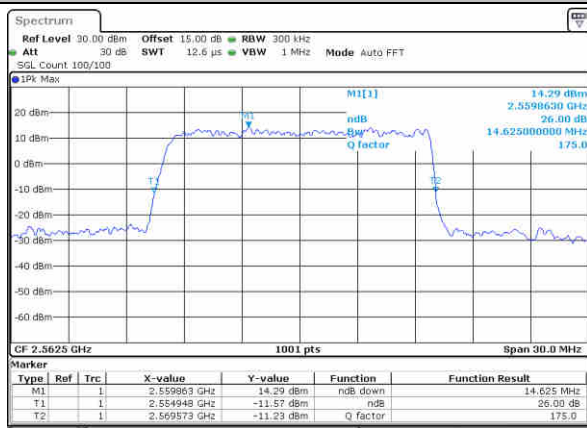
Middle Channel / 15MHz / QPSK



Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



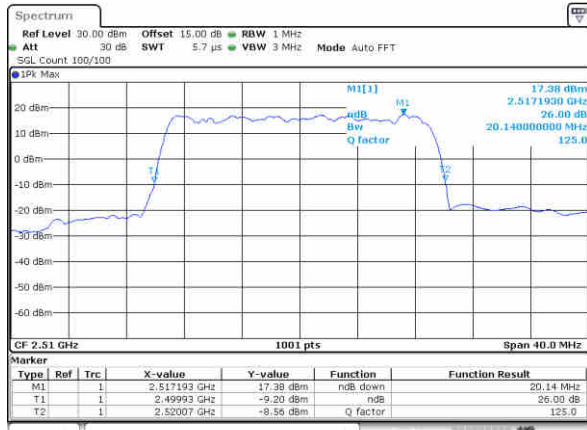
Highest Channel / 15MHz / 16QAM



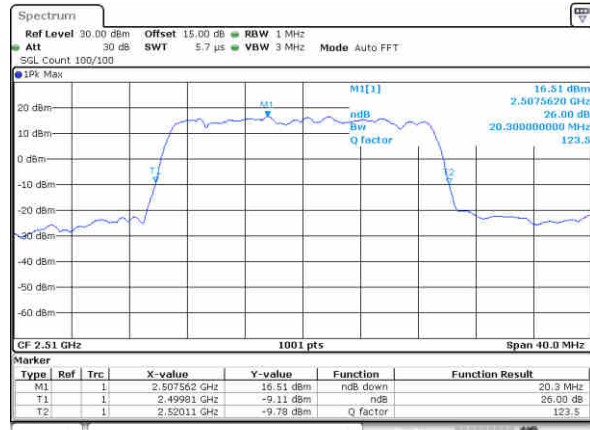


LTE Band 7

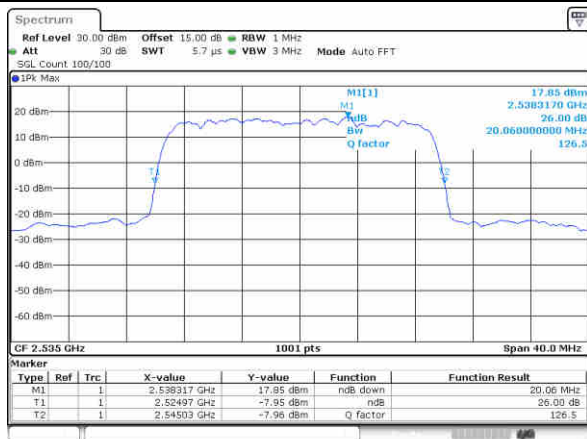
Lowest Channel / 20MHz / QPSK



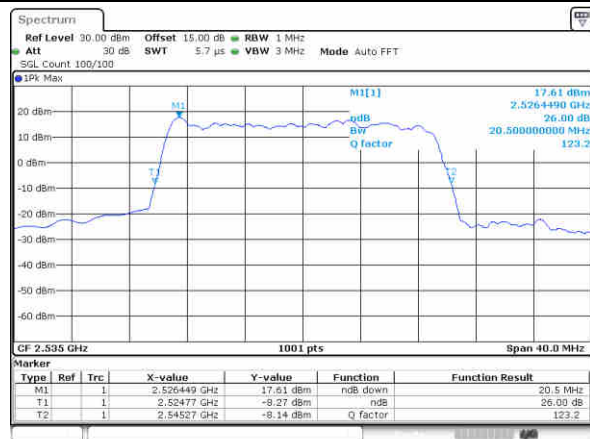
Lowest Channel / 20MHz / 16QAM



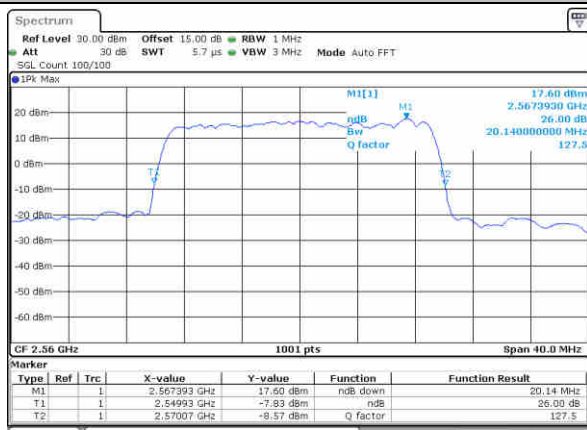
Middle Channel / 20MHz / QPSK



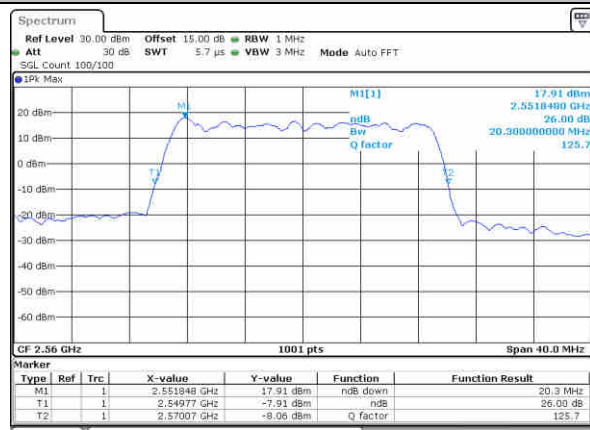
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



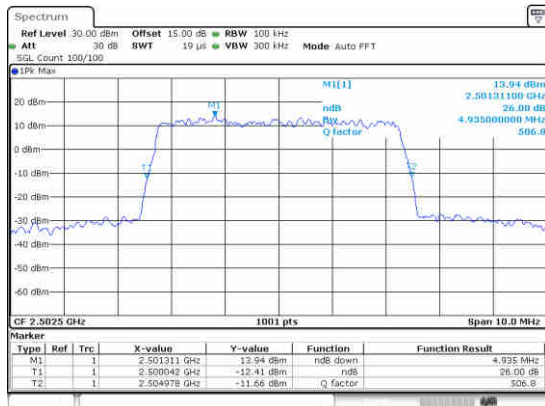
Highest Channel / 20MHz / 16QAM



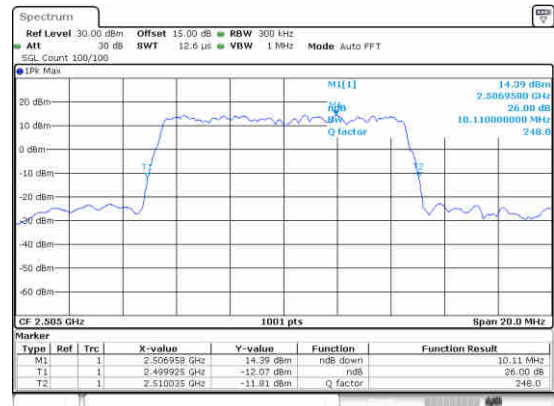


LTE Band 7

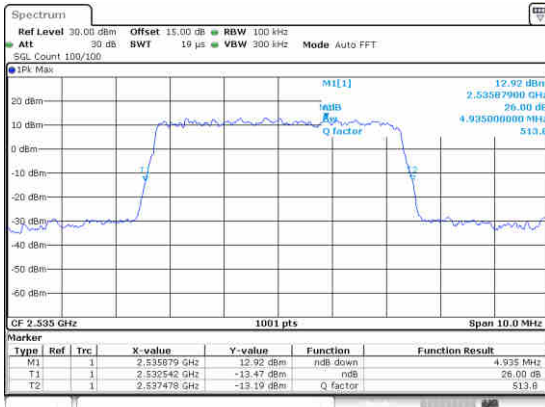
Lowest Channel / 5MHz / 64QAM



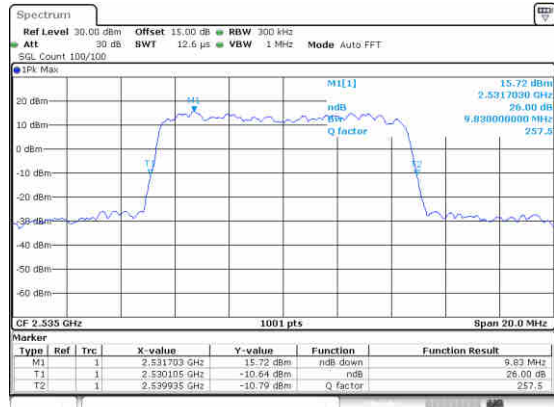
Lowest Channel / 10MHz / 64QAM



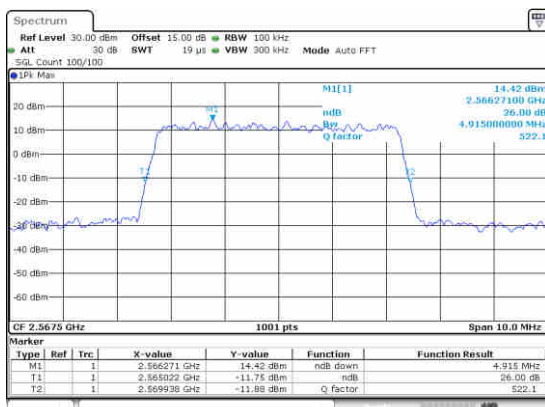
Middle Channel / 5MHz / 64QAM



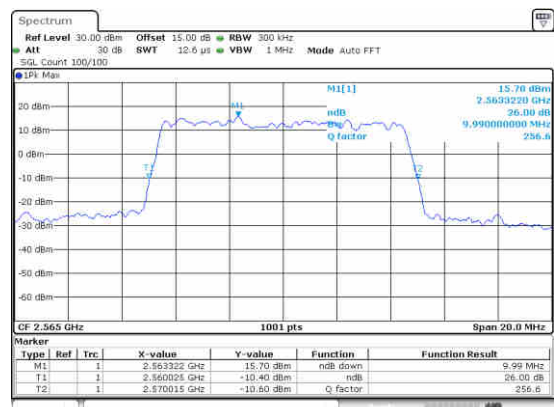
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



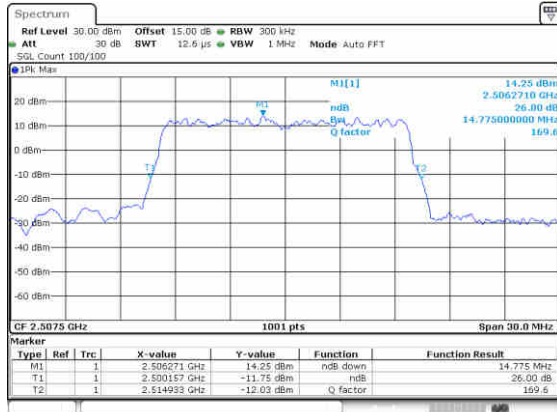
Highest Channel / 10MHz / 64QAM



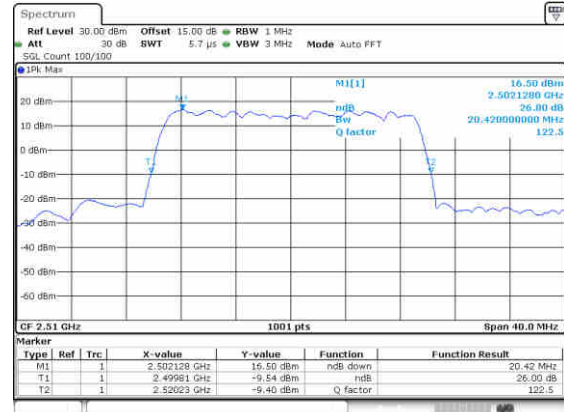


LTE Band 7

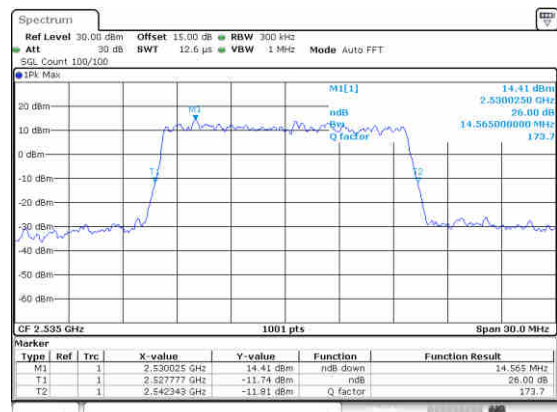
Lowest Channel / 15MHz / 64QAM



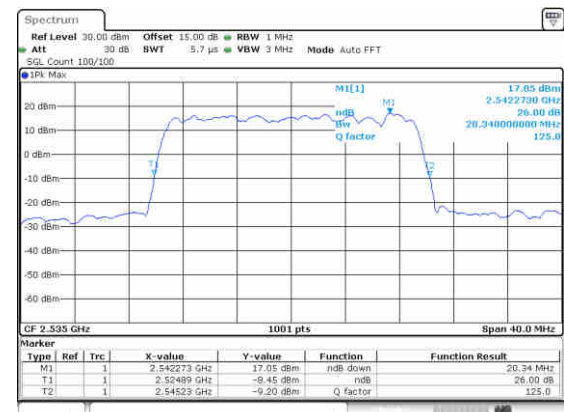
Lowest Channel / 20MHz / 64QAM



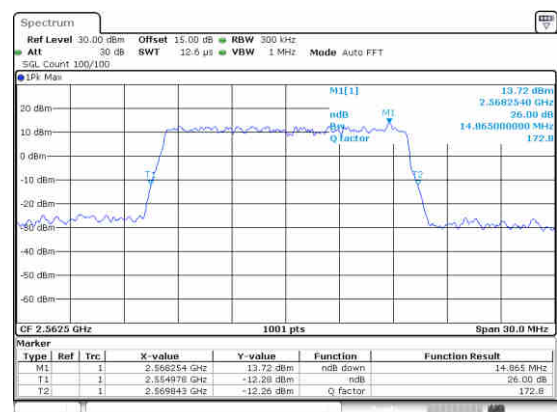
Middle Channel / 15MHz / 64QAM



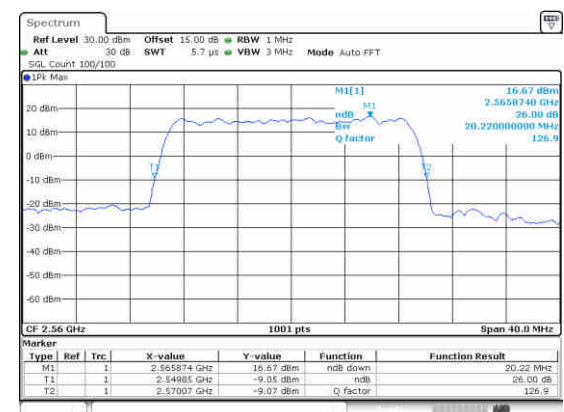
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



Highest Channel / 20MHz / 64QAM



**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	1.08	1.09	2.73	2.75	4.49	4.49	9.05	8.99	13.49	13.52	18.34	18.34
Middle CH	1.09	1.09	2.75	2.72	4.51	4.53	9.05	9.07	13.55	13.4	18.5	18.26
Highest CH	1.09	1.09	2.74	2.72	4.48	4.49	9.05	9.07	13.55	13.4	18.42	18.5
Mode	LTE Band 2 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.1		2.72		4.52		9.07		13.37		18.5	
Middle CH	1.09		2.72		4.5		9.05		13.52		18.42	
Highest CH	1.1		2.72		4.51		9.03		13.43		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	1.1	1.08	2.73	2.72	4.51	4.5	9.05	9.05	13.46	13.49	18.58	18.38
Middle CH	1.1	1.11	2.75	2.73	4.51	4.49	9.05	9.07	13.4	13.43	18.42	18.3
Highest CH	1.09	1.1	2.72	2.72	4.5	4.52	9.01	9.01	13.52	13.4	18.42	18.54
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		2.7		4.49		9.07		13.43		18.42	
Middle CH	1.09		2.7		4.50		9.07		13.43		18.58	
Highest CH	1.09		2.73		4.51		9.09		13.43		18.50	



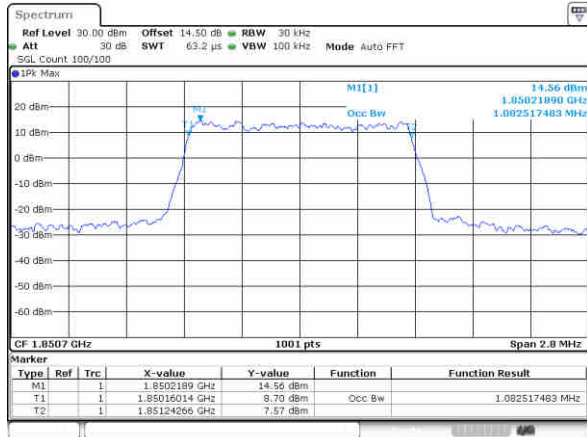
Mode	LTE Band 5 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		1.4MHz	3MHz	5MHz	10MHz
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM	64QAM	64QAM
Lowest CH	1.09	1.09	2.71	2.72	4.54	4.53	8.99	9.05	1.09	2.75	4.51	8.97
Middle CH	1.10	1.09	2.73	2.76	4.5	4.51	9.09	9.05	1.09	2.73	4.49	9.07
Highest CH	1.09	1.10	2.72	2.74	4.52	4.5	9.09	9.07	1.09	2.74	4.50	9.03

Mode	LTE Band 7 : 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	4.5	4.49	9.07	9.09	13.43	13.43	18.46	18.5	4.5	9.01	13.61	18.34
Middle CH	4.49	4.5	9.03	9.01	13.46	13.46	18.54	18.46	4.49	9.09	13.46	18.46
Highest CH	4.5	4.51	9.03	8.99	13.4	13.58	18.46	18.46	4.53	9.01	13.49	18.50

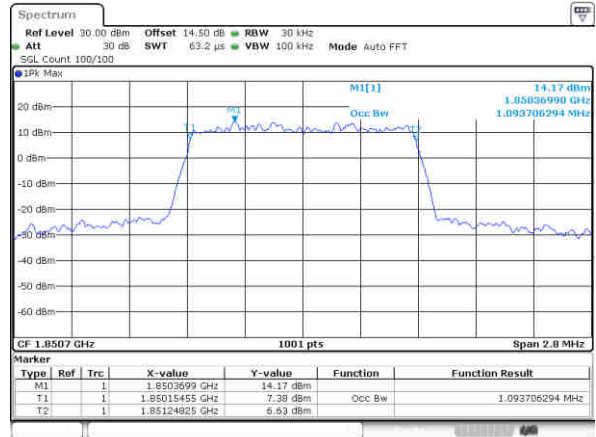


LTE Band 2

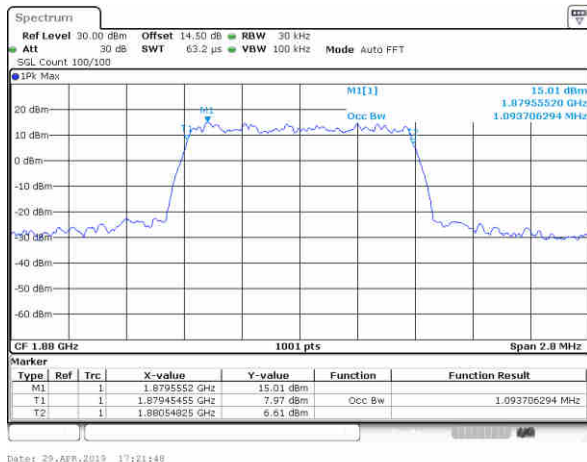
Lowest Channel / 1.4MHz / QPSK



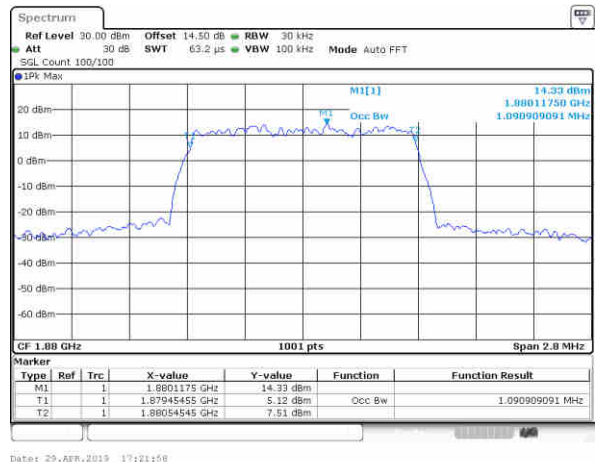
Lowest Channel / 1.4MHz / 16QAM



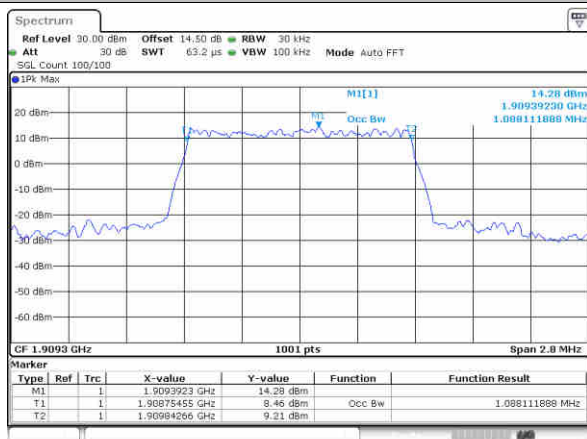
Middle Channel / 1.4MHz / QPSK



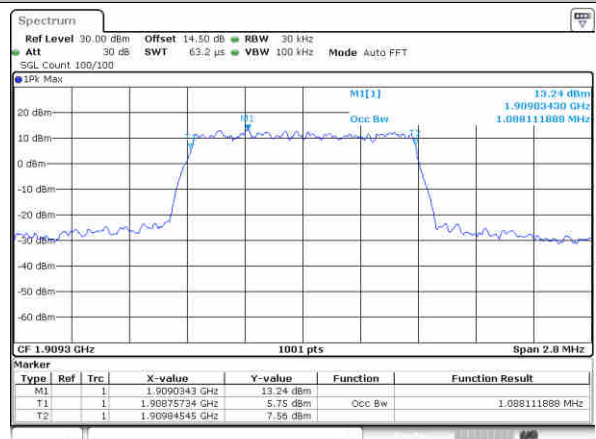
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



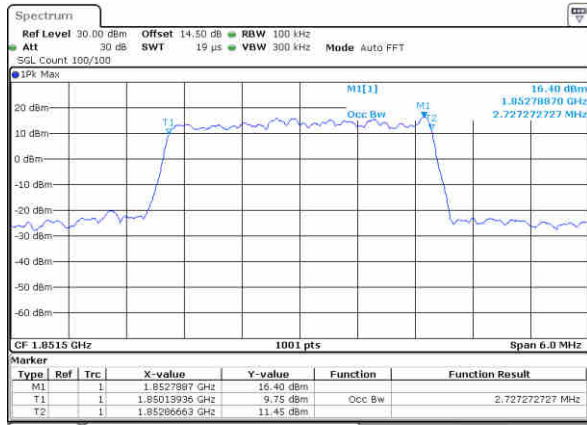
Highest Channel / 1.4MHz / 16QAM





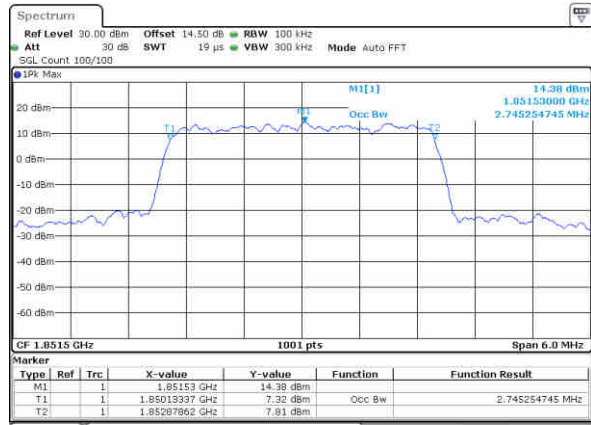
LTE Band 2

Lowest Channel / 3MHz / QPSK



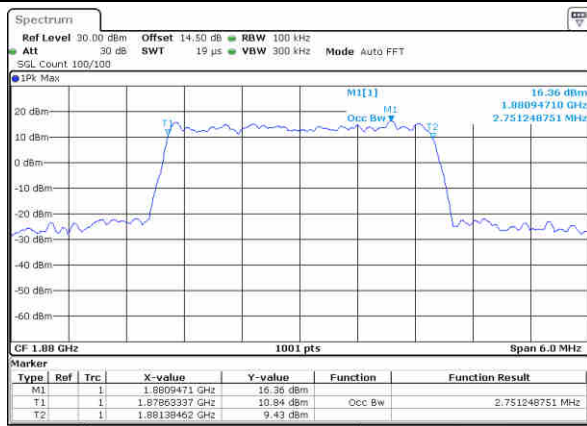
Date: 29.APR.2019 17:34:13

Lowest Channel / 3MHz / 16QAM



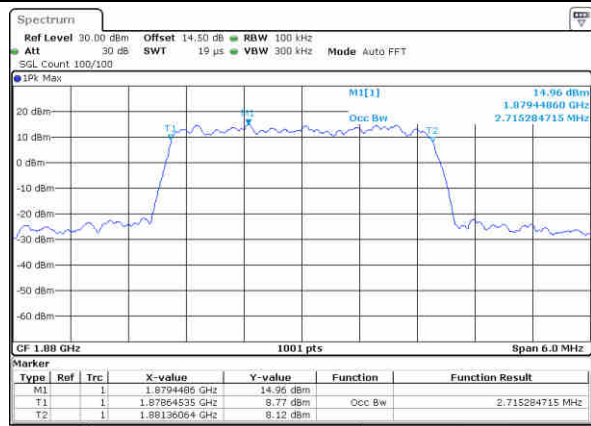
Date: 29.APR.2019 17:34:13

Middle Channel / 3MHz / QPSK



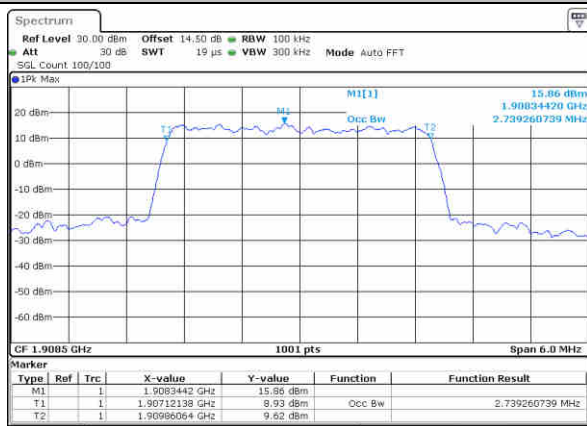
Date: 29.APR.2019 17:41:33

Middle Channel / 3MHz / 16QAM



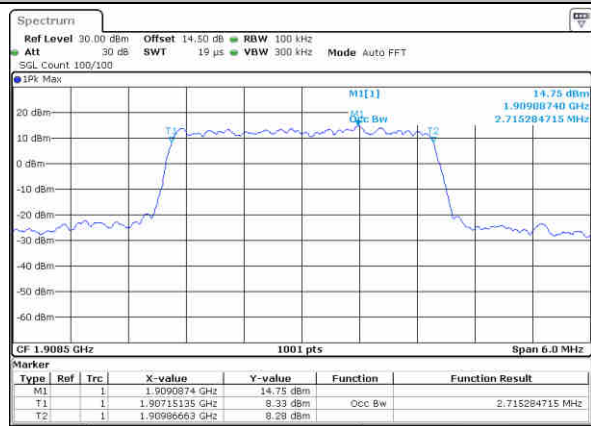
Date: 29.APR.2019 17:41:41

Highest Channel / 3MHz / QPSK



Date: 29.APR.2019 17:44:04

Highest Channel / 3MHz / 16QAM

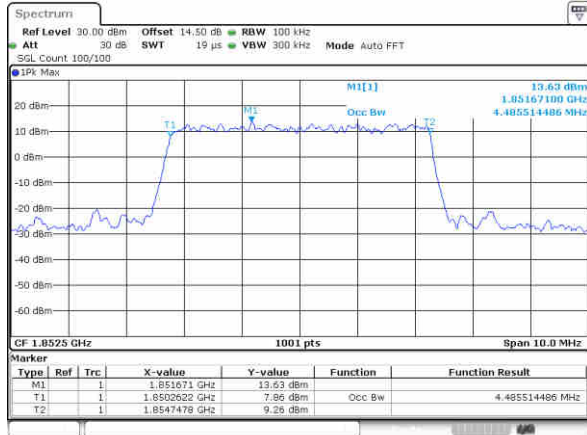


Date: 29.APR.2019 17:44:14



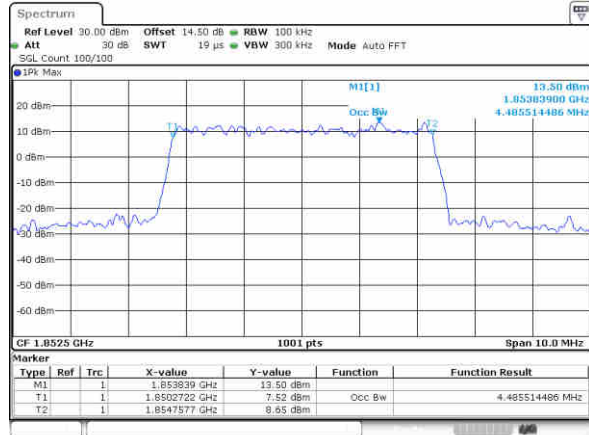
LTE Band 2

Lowest Channel / 5MHz / QPSK



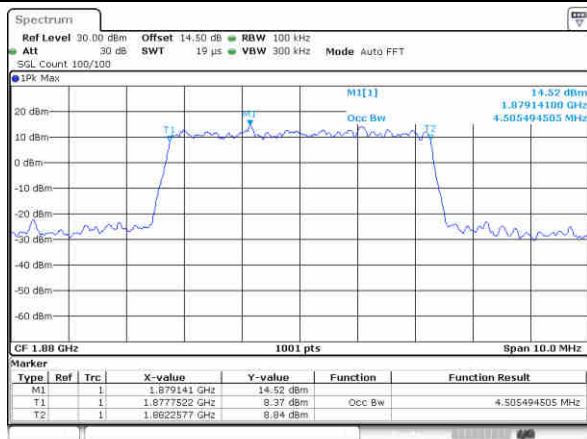
Date: 29.APR.2019 17:51:39

Lowest Channel / 5MHz / 16QAM



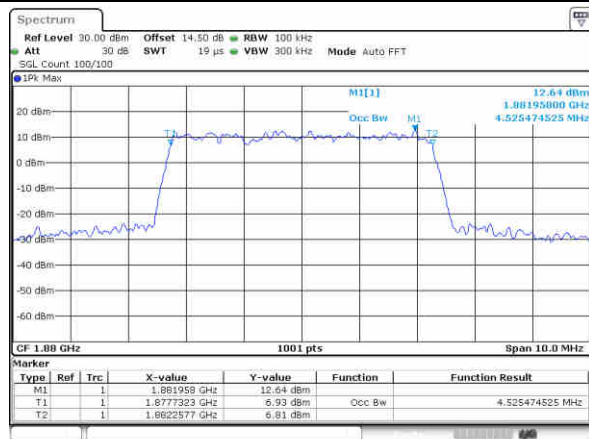
Date: 29.APR.2019 17:51:50

Middle Channel / 5MHz / QPSK



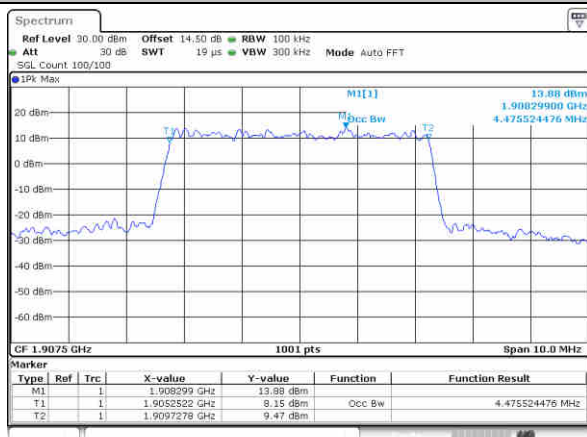
Date: 29.APR.2019 17:58:48

Middle Channel / 5MHz / 16QAM



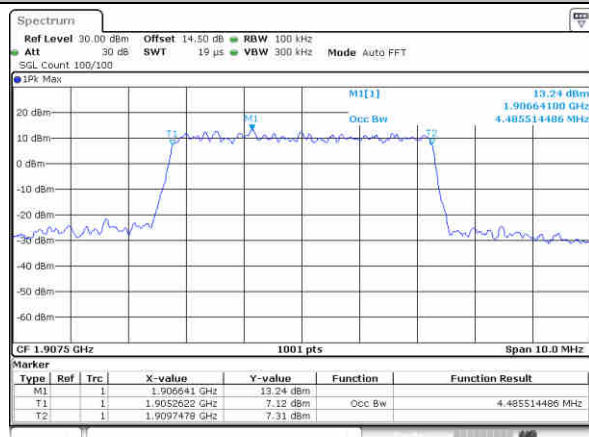
Date: 29.APR.2019 17:59:56

Highest Channel / 5MHz / QPSK



Date: 29.APR.2019 18:01:20

Highest Channel / 5MHz / 16QAM

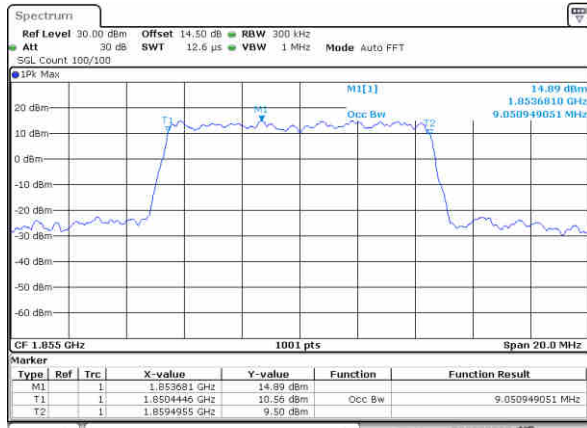


Date: 29.APR.2019 18:01:30



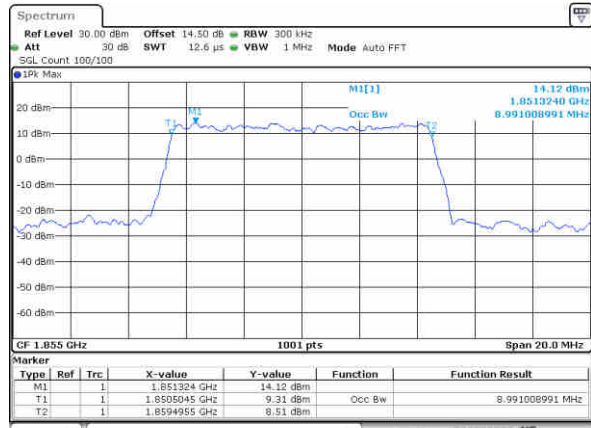
LTE Band 2

Lowest Channel / 10MHz / QPSK



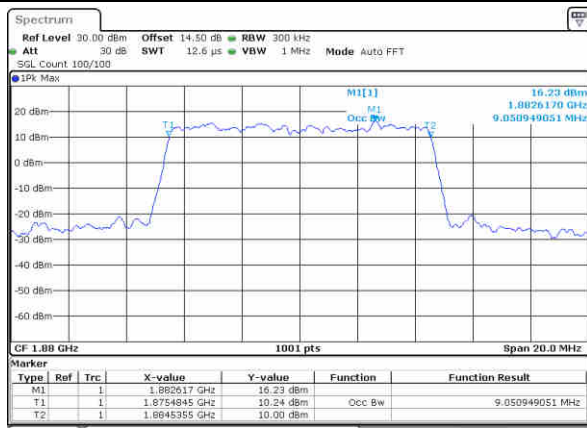
Date: 30.APR.2019 09:58:19

Lowest Channel / 10MHz / 16QAM



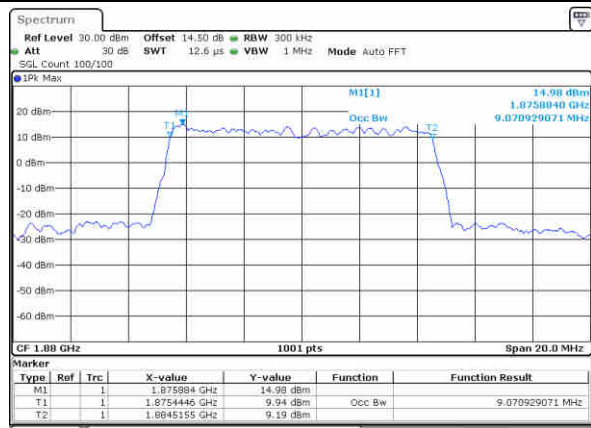
Date: 30.APR.2019 09:58:29

Middle Channel / 10MHz / QPSK



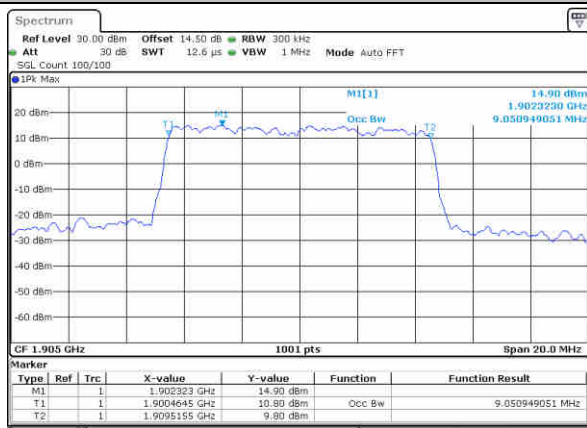
Date: 30.APR.2019 09:05:32

Middle Channel / 10MHz / 16QAM



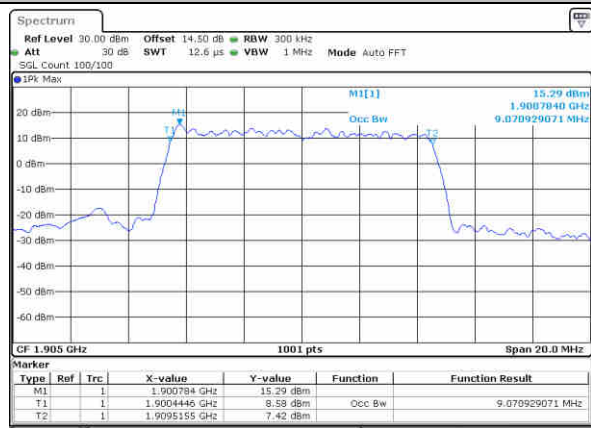
Date: 30.APR.2019 09:05:42

Highest Channel / 10MHz / QPSK



Date: 30.APR.2019 09:08:05

Highest Channel / 10MHz / 16QAM

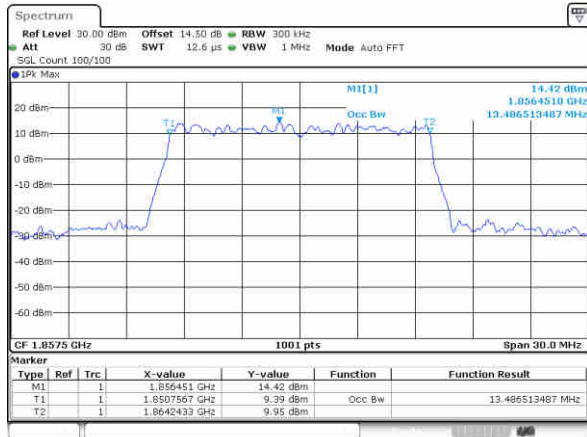


Date: 30.APR.2019 09:08:15

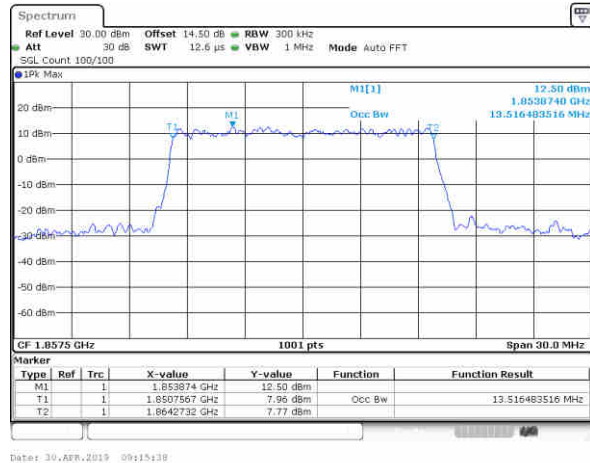


LTE Band 2

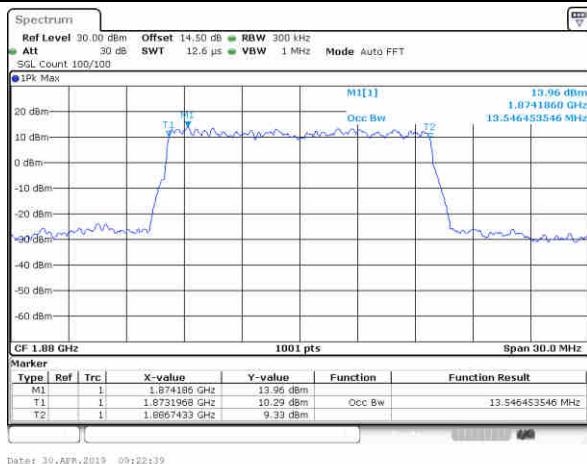
Lowest Channel / 15MHz / QPSK



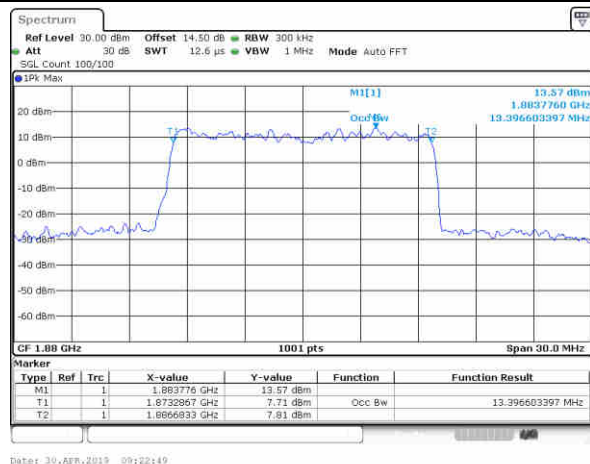
Lowest Channel / 15MHz / 16QAM



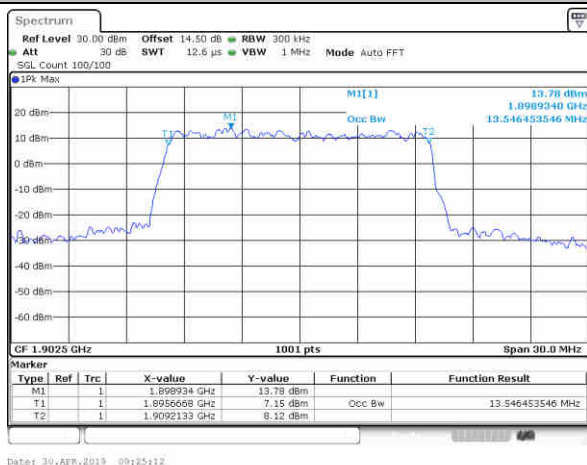
Middle Channel / 15MHz / QPSK



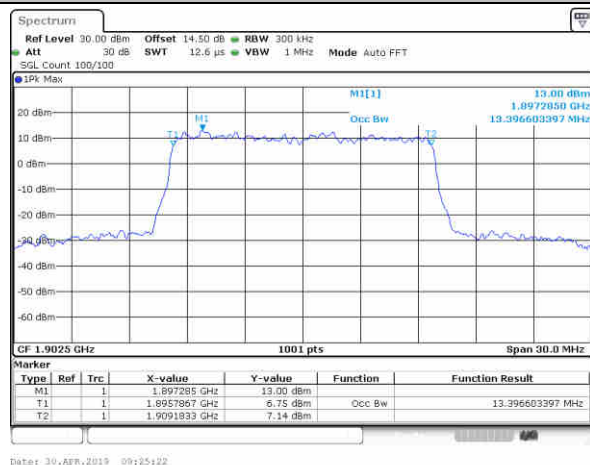
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



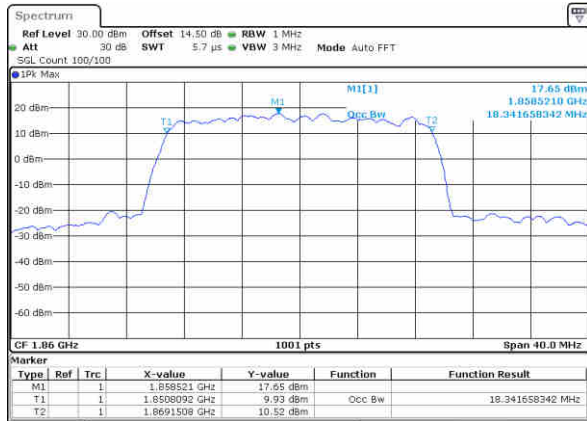
Highest Channel / 15MHz / 16QAM



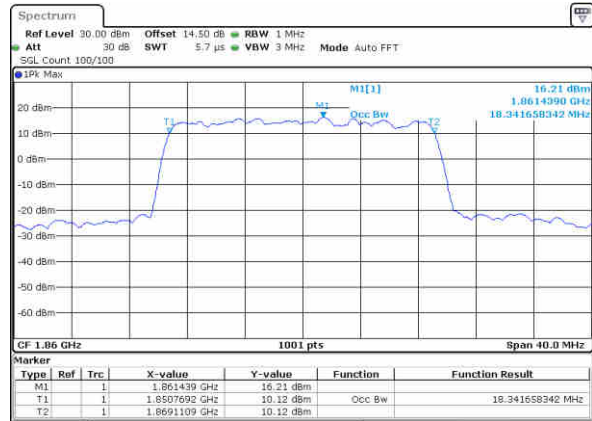


LTE Band 2

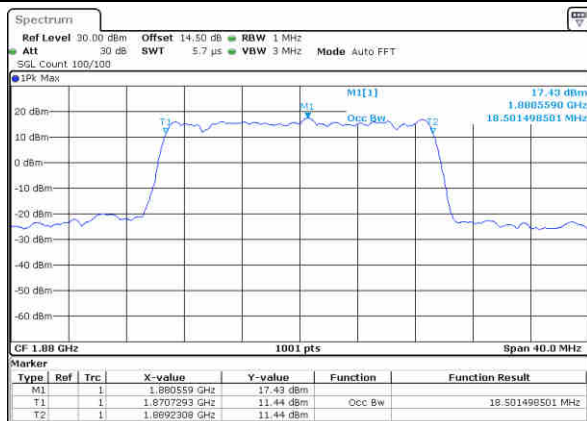
Lowest Channel / 20MHz / QPSK



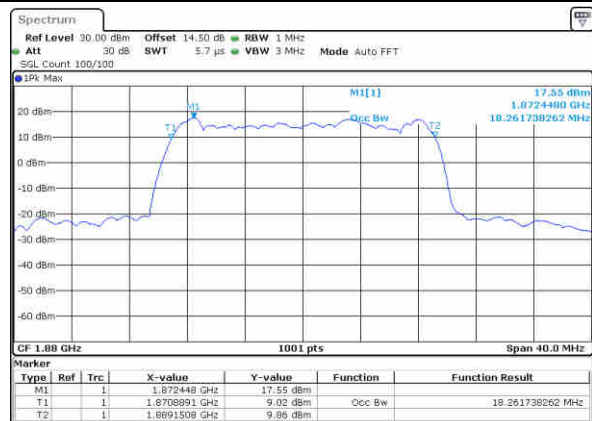
Lowest Channel / 20MHz / 16QAM



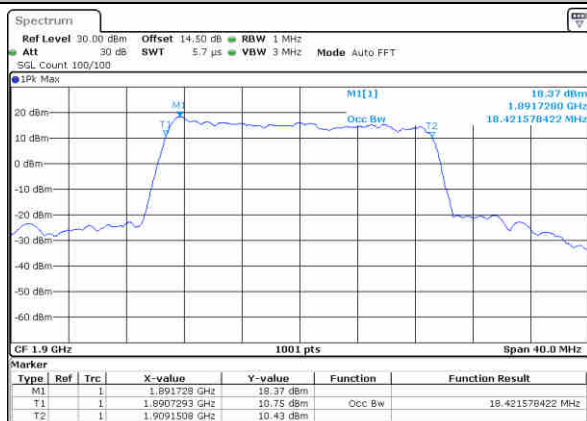
Middle Channel / 20MHz / QPSK



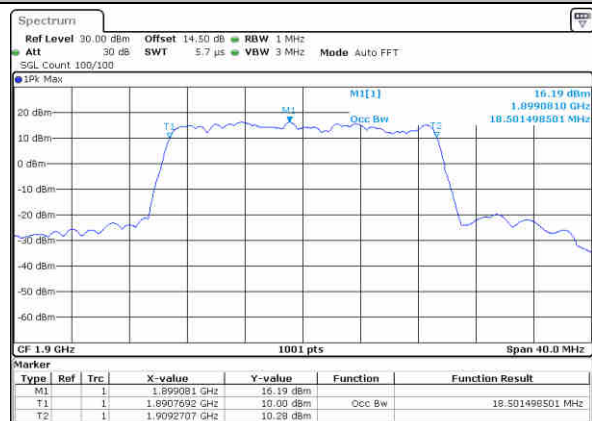
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



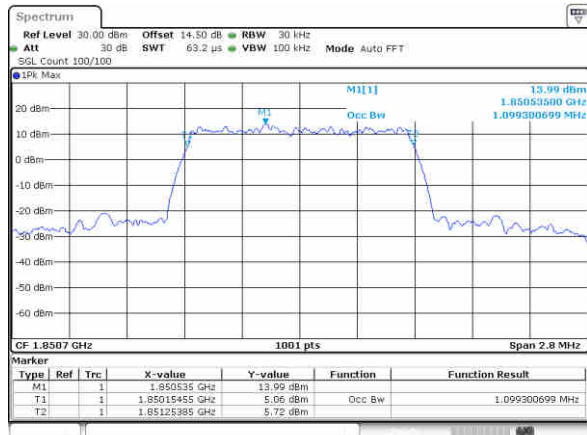
Highest Channel / 20MHz / 16QAM





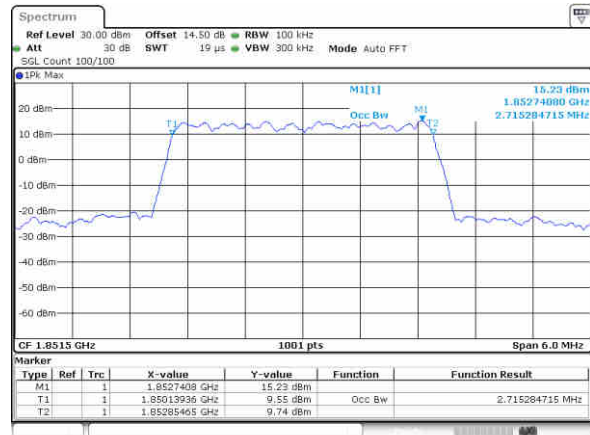
LTE Band 2

Lowest Channel / 1.4MHz / 64QAM



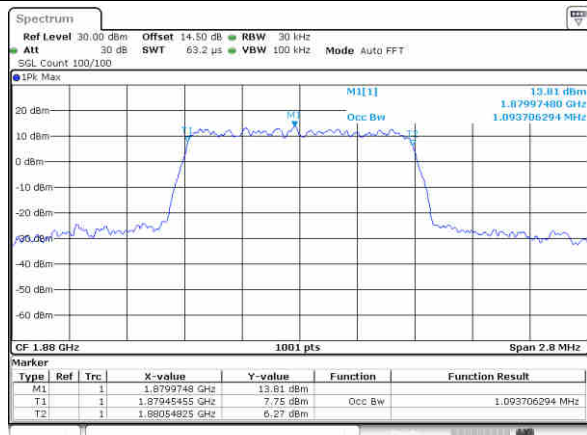
Date: 29.APR.2019 16:10:08

Lowest Channel / 3MHz / 64QAM



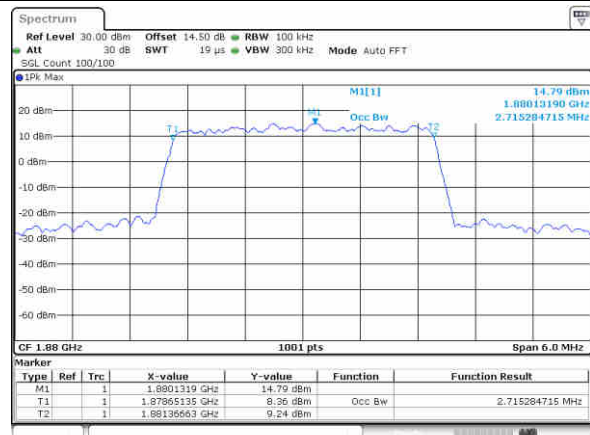
Date: 29.APR.2019 16:20:45

Middle Channel / 1.4MHz / 64QAM



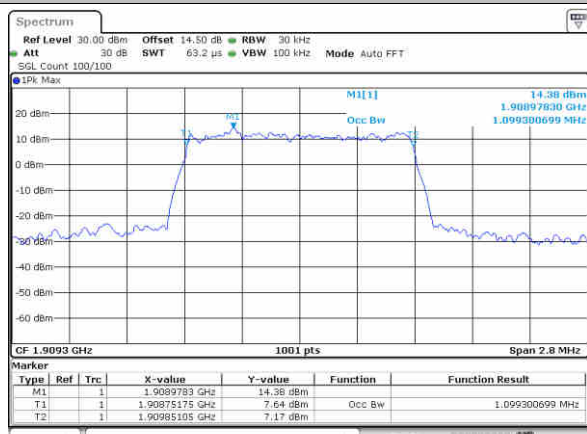
Date: 29.APR.2019 16:10:10

Middle Channel / 3MHz / 64QAM



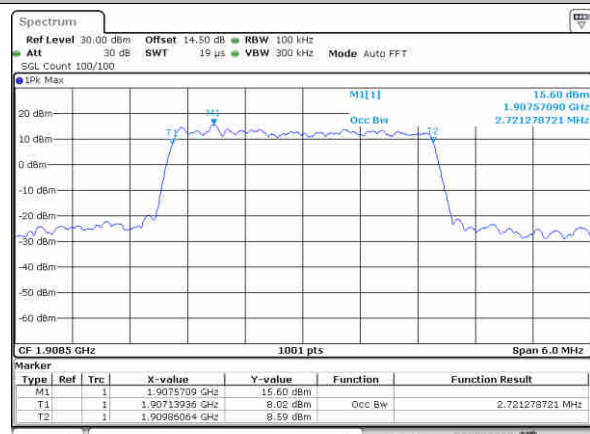
Date: 29.APR.2019 16:20:55

Highest Channel / 1.4MHz / 64QAM



Date: 29.APR.2019 16:10:20

Highest Channel / 3MHz / 64QAM

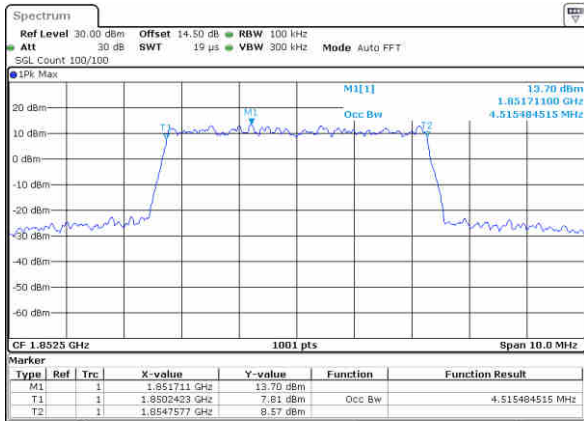


Date: 29.APR.2019 16:20:05

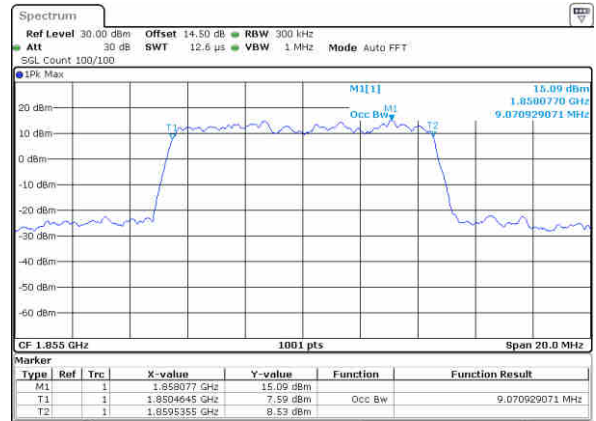


LTE Band 2

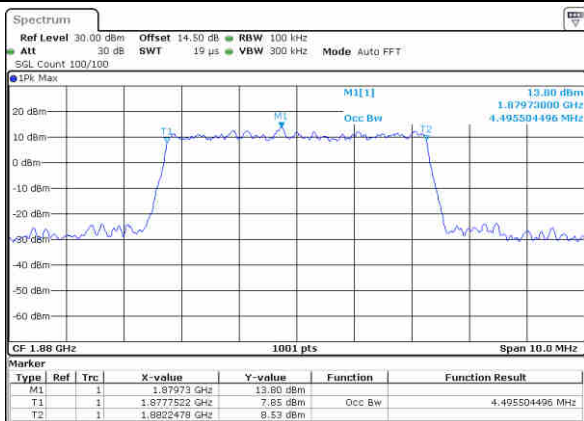
Lowest Channel / 5MHz / 64QAM



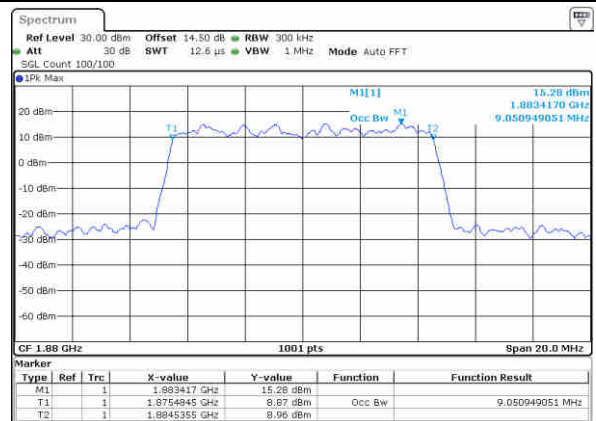
Lowest Channel / 10MHz / 64QAM



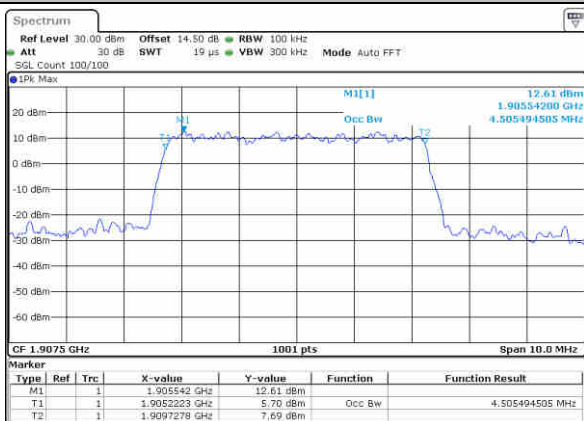
Middle Channel / 5MHz / 64QAM



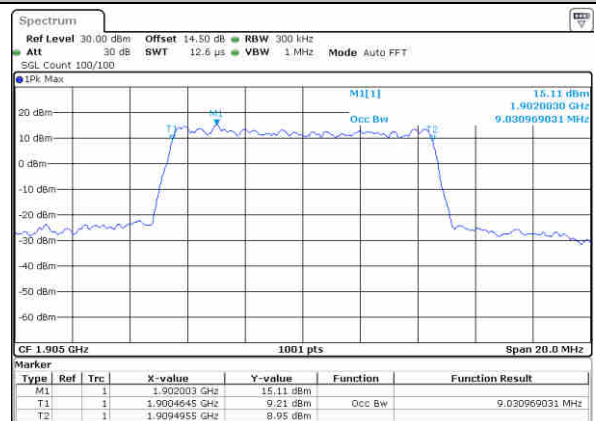
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



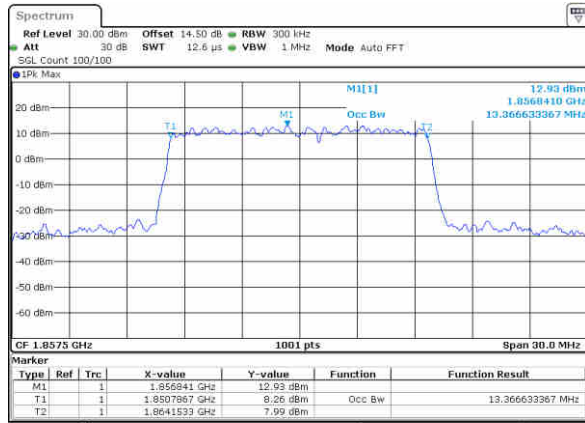
Highest Channel / 10MHz / 64QAM





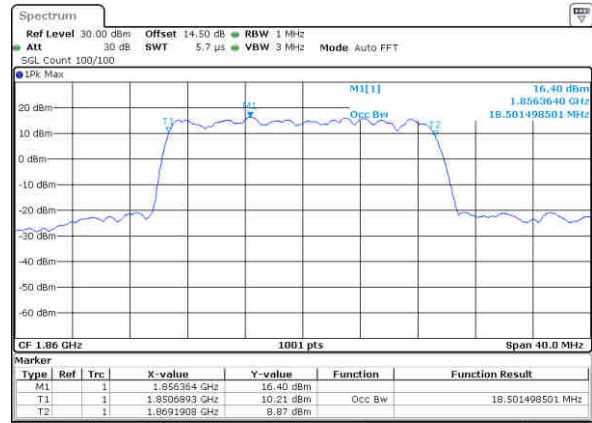
LTE Band 2

Lowest Channel / 15MHz / 64QAM



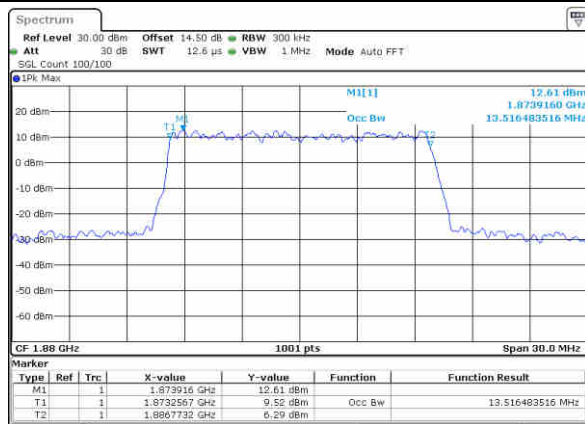
Date: 29.APR.2019 16:54:00

Lowest Channel / 20MHz / 64QAM



Date: 29.APR.2019 17:02:24

Middle Channel / 15MHz / 64QAM



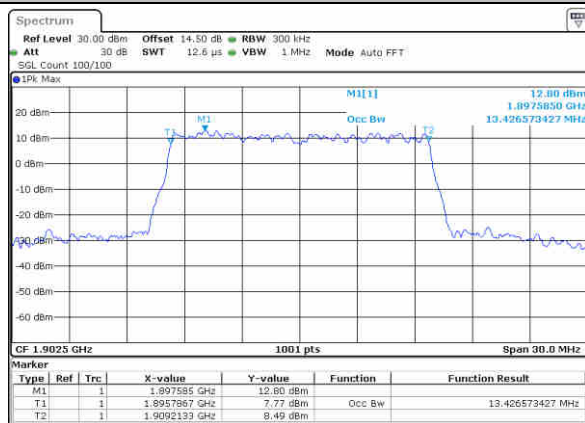
Date: 29.APR.2019 16:54:10

Middle Channel / 20MHz / 64QAM



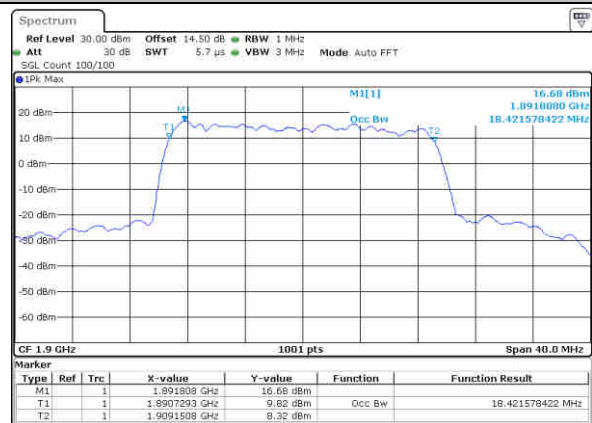
Date: 29.APR.2019 17:02:35

Highest Channel / 15MHz / 64QAM



Date: 29.APR.2019 16:54:20

Highest Channel / 20MHz / 64QAM

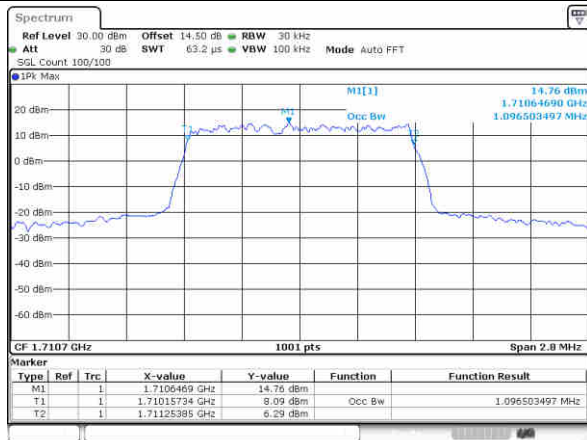


Date: 29.APR.2019 17:02:45

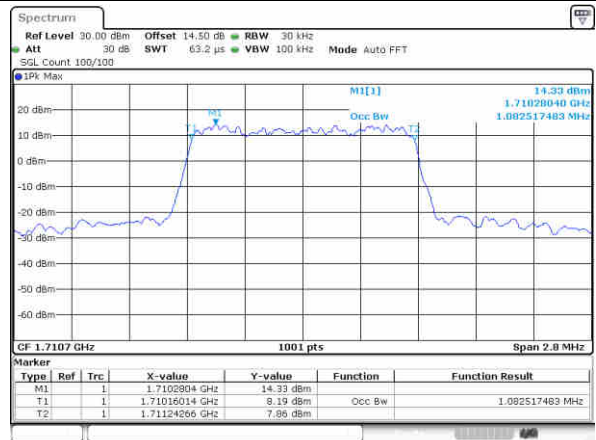


LTE Band 4

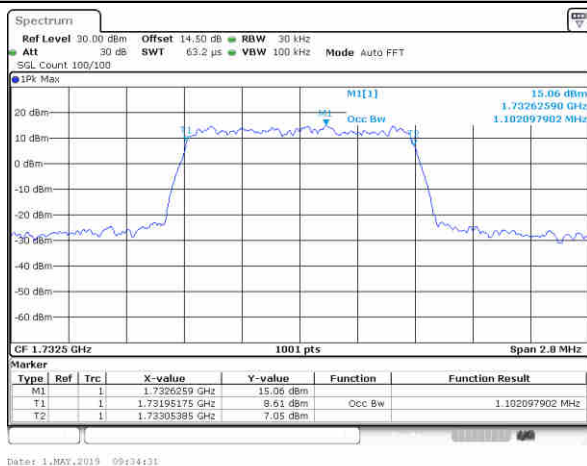
Lowest Channel / 1.4MHz / QPSK



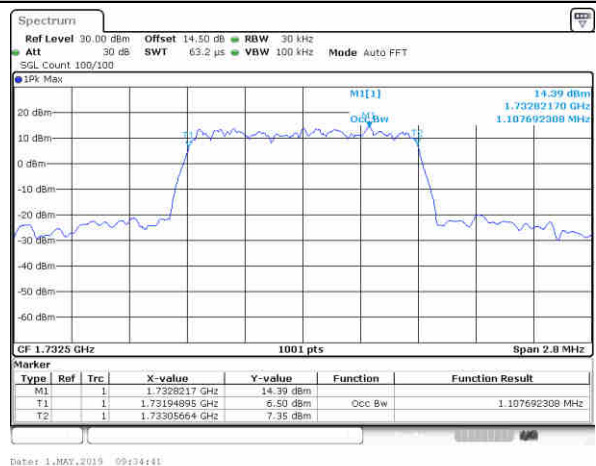
Lowest Channel / 1.4MHz / 16QAM



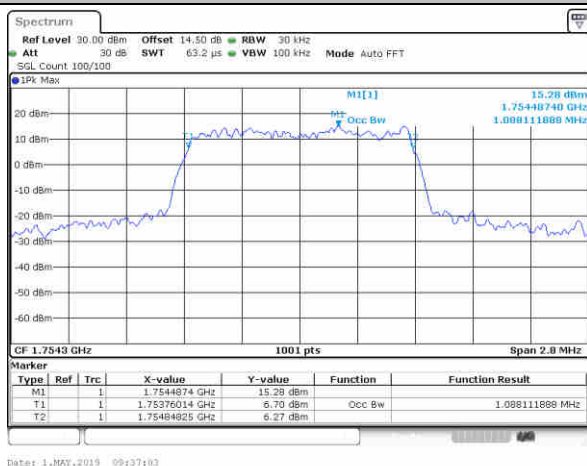
Middle Channel / 1.4MHz / QPSK



Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



Highest Channel / 1.4MHz / 16QAM

