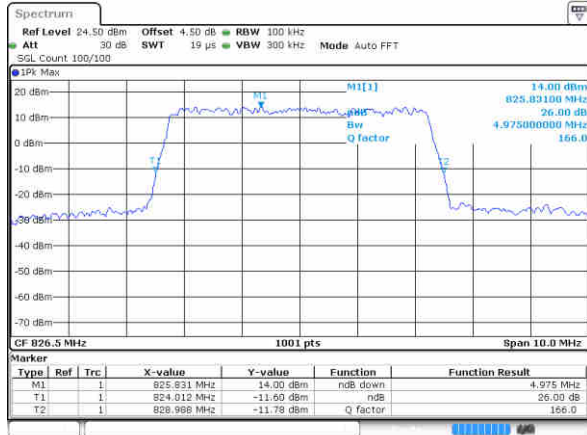




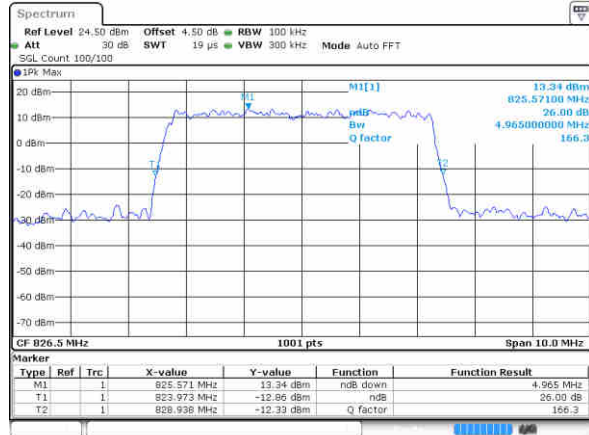
LTE Band 5

Lowest Channel / 5MHz / QPSK



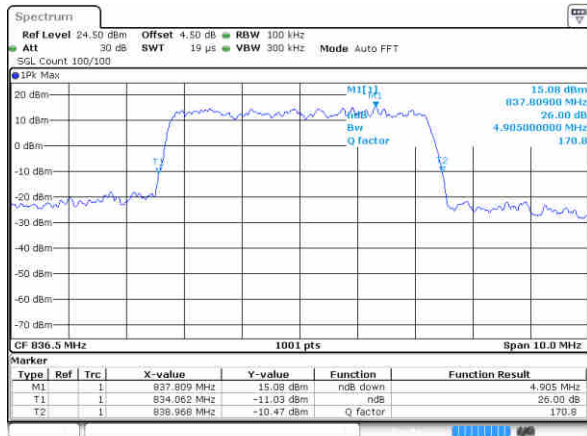
Date: 24 APR 2019 00:14:44

Lowest Channel / 5MHz / 16QAM



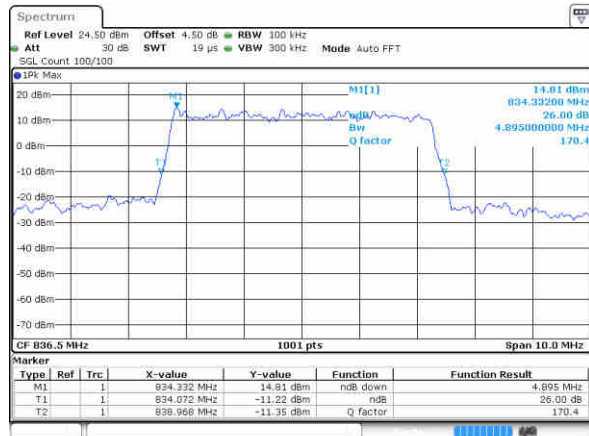
Date: 24 APR 2019 00:15:17

Middle Channel / 5MHz / QPSK



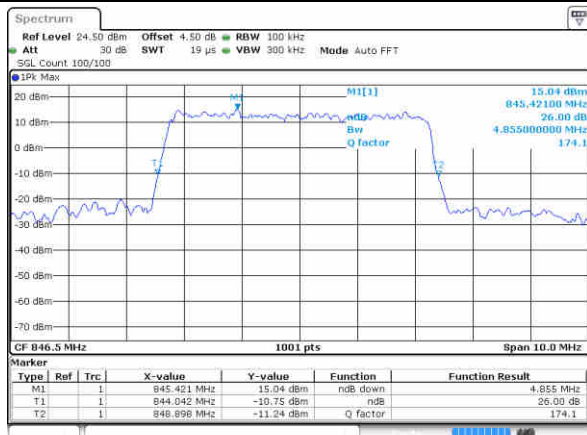
Date: 23 APR 2019 23:38:43

Middle Channel / 5MHz / 16QAM



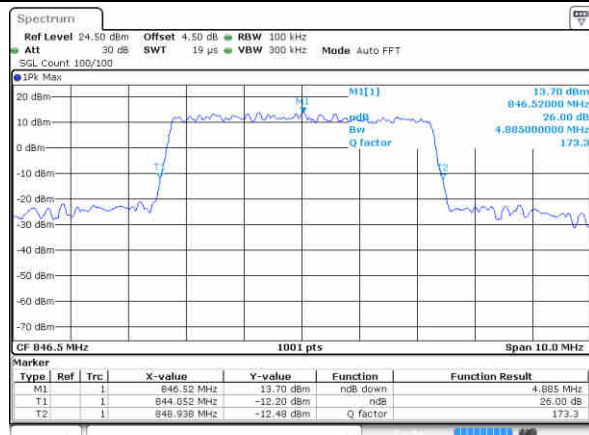
Date: 23 APR 2019 23:38:54

Highest Channel / 5MHz / QPSK



Date: 23 APR 2019 23:41:13

Highest Channel / 5MHz / 16QAM

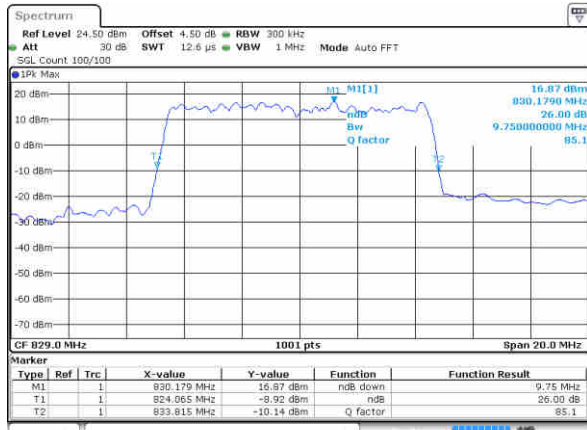


Date: 23 APR 2019 23:41:23

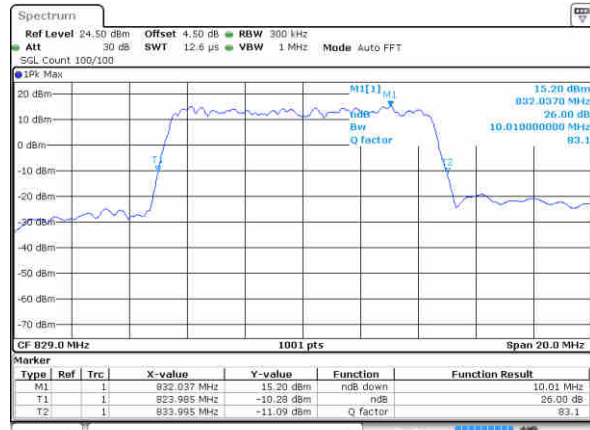


LTE Band 5

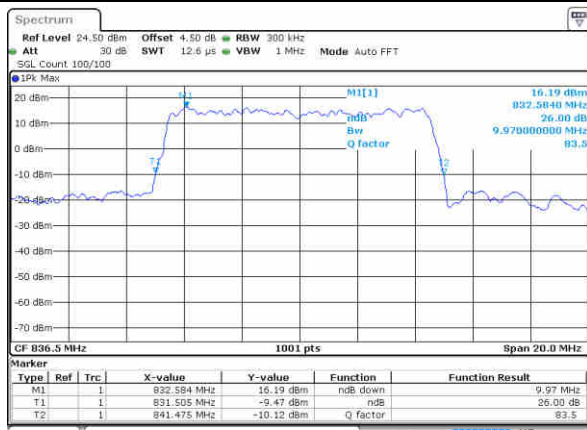
Lowest Channel / 10MHz / QPSK



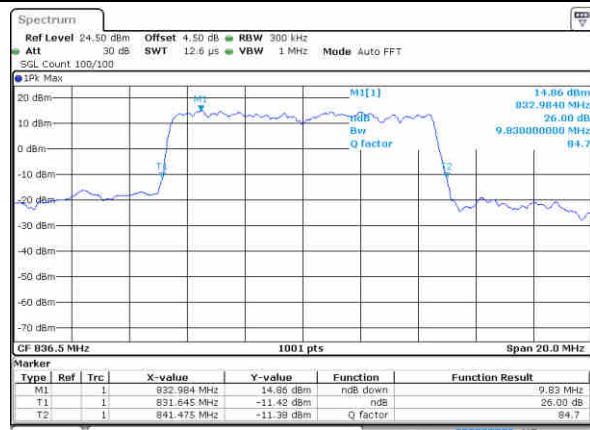
Lowest Channel / 10MHz / 16QAM



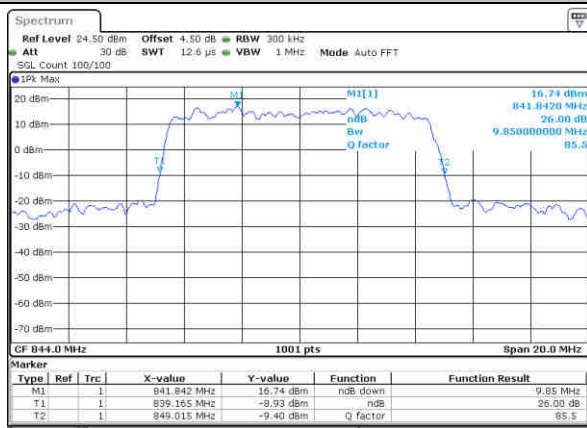
Middle Channel / 10MHz / QPSK



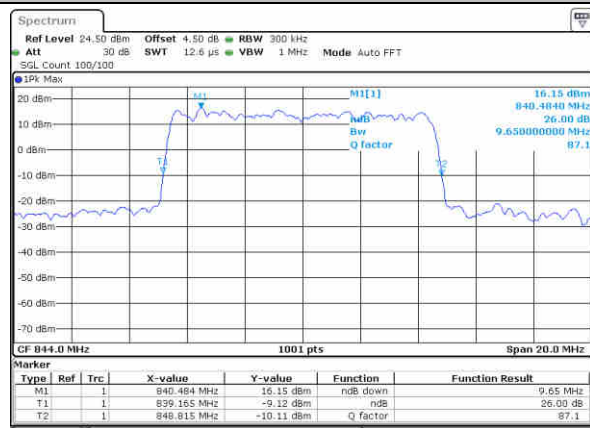
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



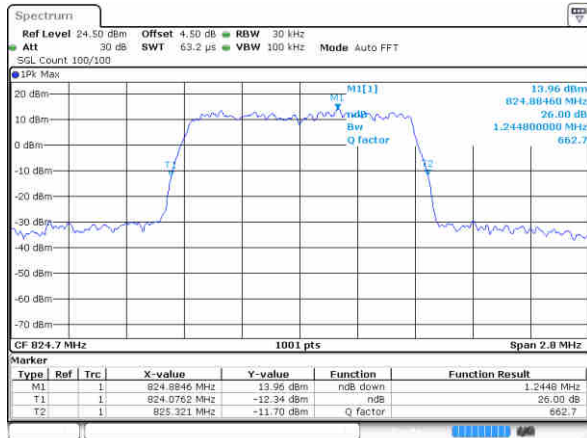
Highest Channel / 10MHz / 16QAM



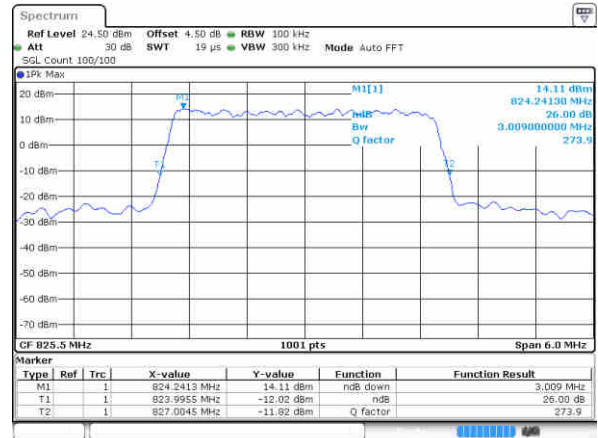


LTE Band 5

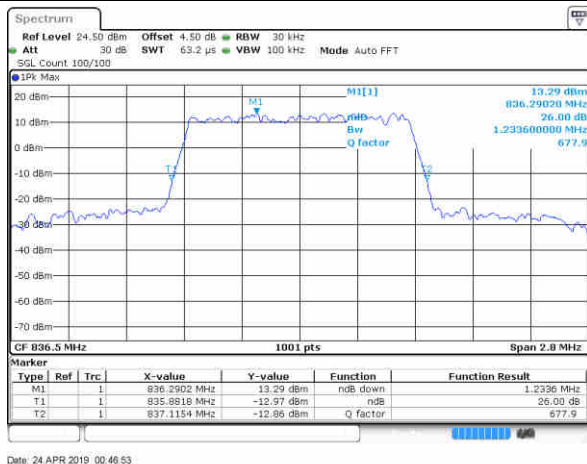
Lowest Channel / 1.4MHz / 64QAM



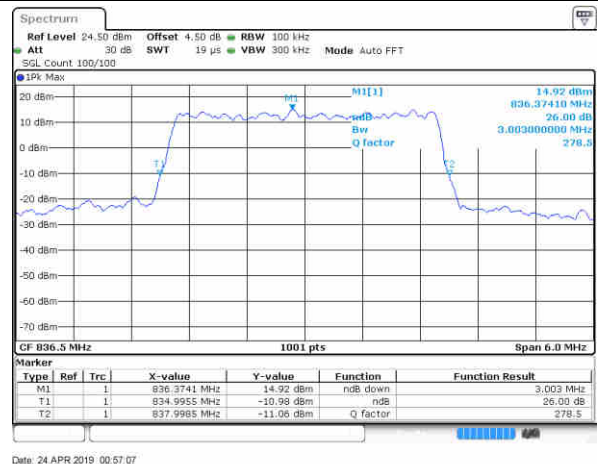
Lowest Channel / 3MHz / 64QAM



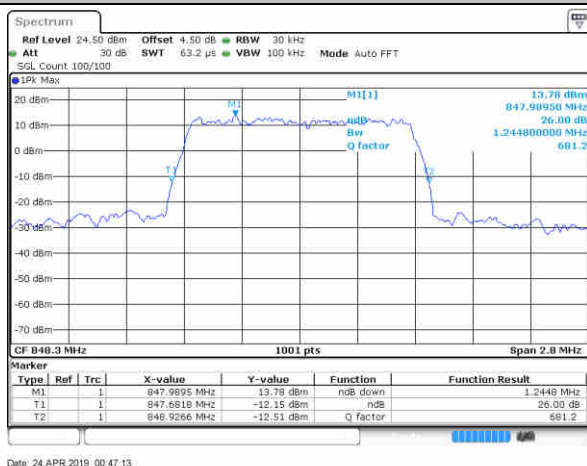
Middle Channel / 1.4MHz / 64QAM



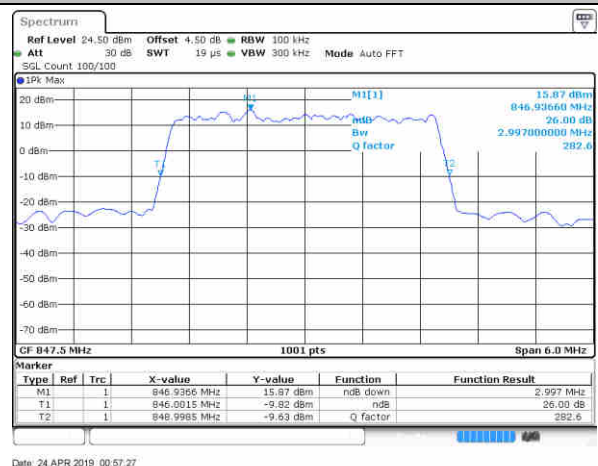
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM



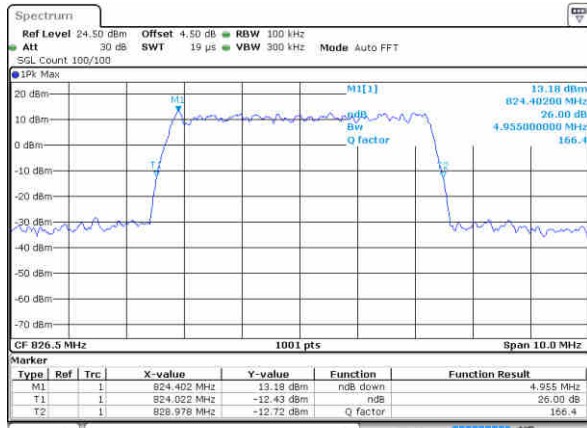
Highest Channel / 3MHz / 64QAM





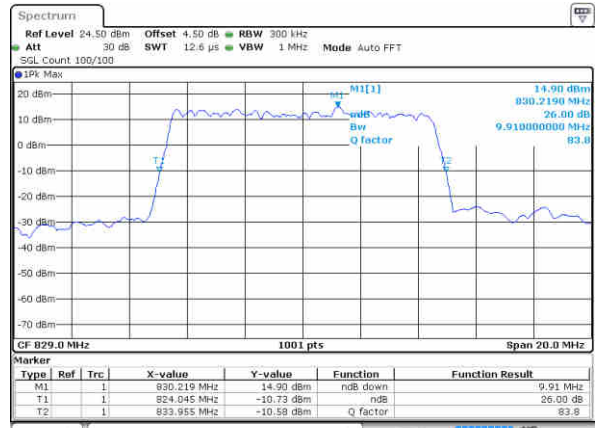
LTE Band 5

Lowest Channel / 5MHz / 64QAM



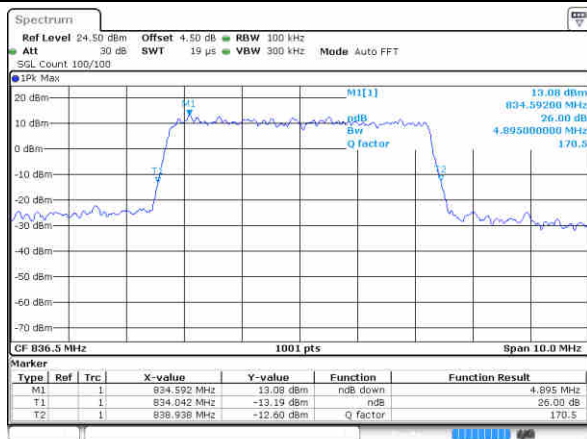
Date: 24 APR 2019 01:01:56

Lowest Channel / 10MHz / 64QAM



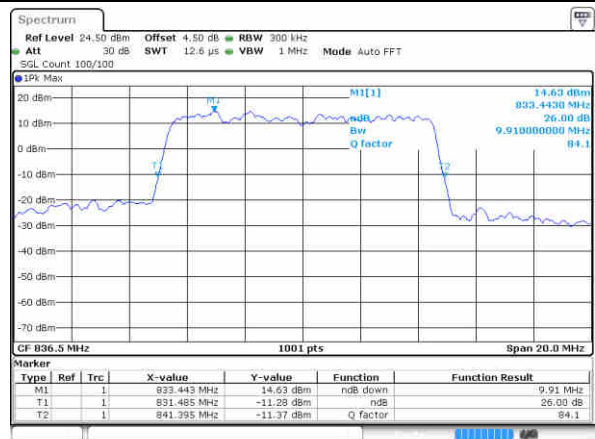
Date: 24 APR 2019 01:12:10

Middle Channel / 5MHz / 64QAM



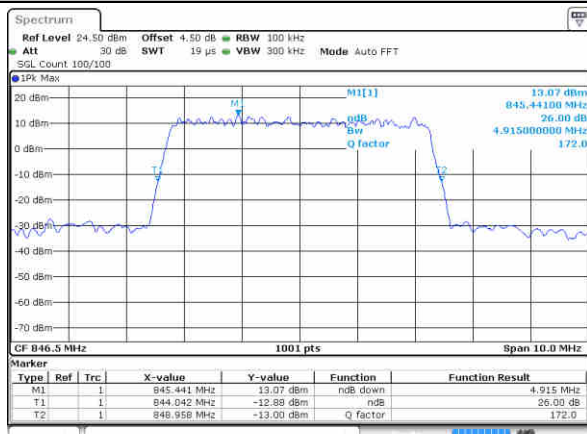
Date: 24 APR 2019 01:07:20

Middle Channel / 10MHz / 64QAM



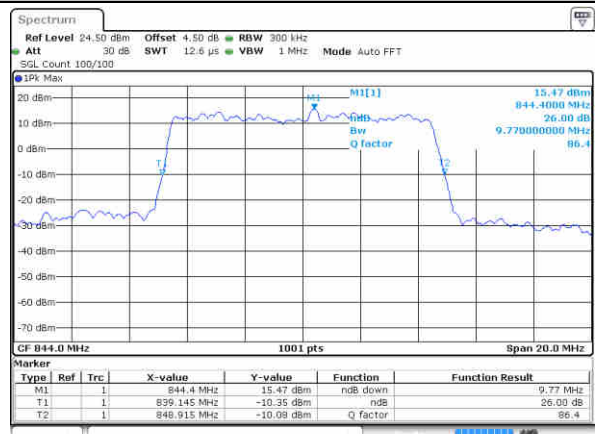
Date: 24 APR 2019 01:17:34

Highest Channel / 5MHz / 64QAM



Date: 24 APR 2019 01:07:40

Highest Channel / 10MHz / 64QAM

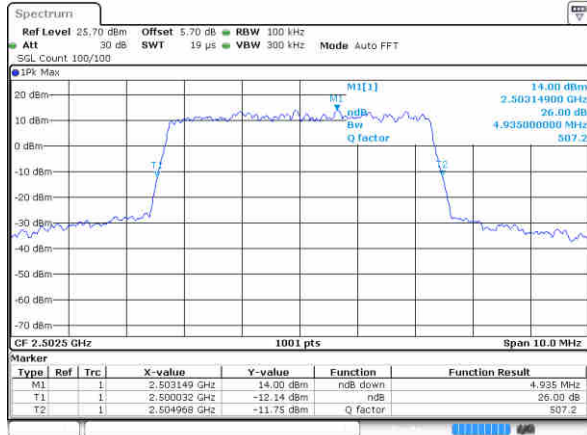


Date: 24 APR 2019 01:17:54



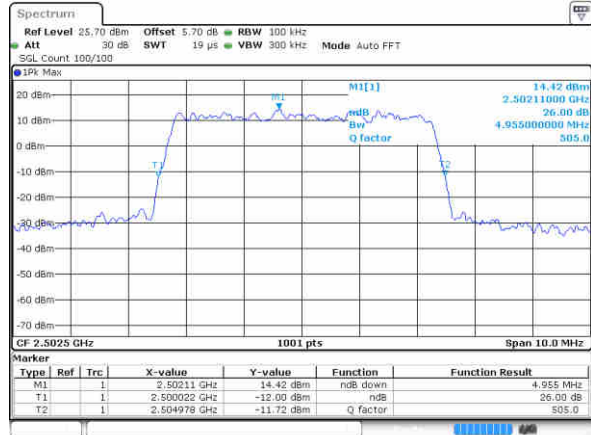
LTE Band 7

Lowest Channel / 5MHz / QPSK



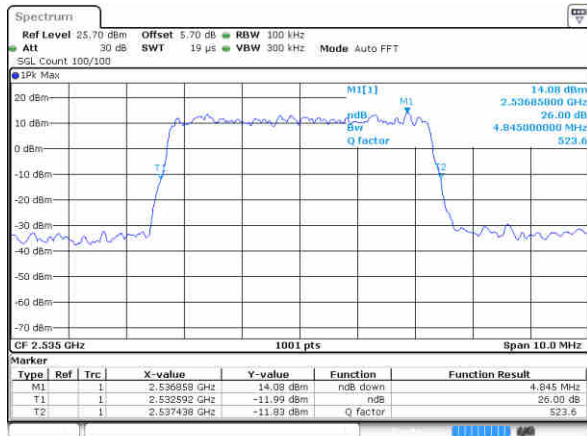
Date: 22 APR 2019 21:26:06

Lowest Channel / 5MHz / 16QAM



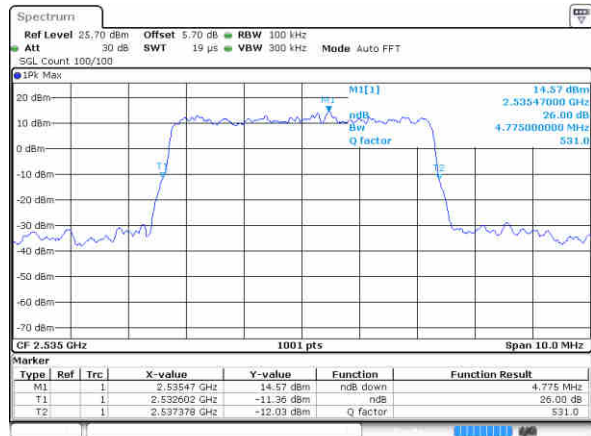
Date: 22 APR 2019 21:26:27

Middle Channel / 5MHz / QPSK



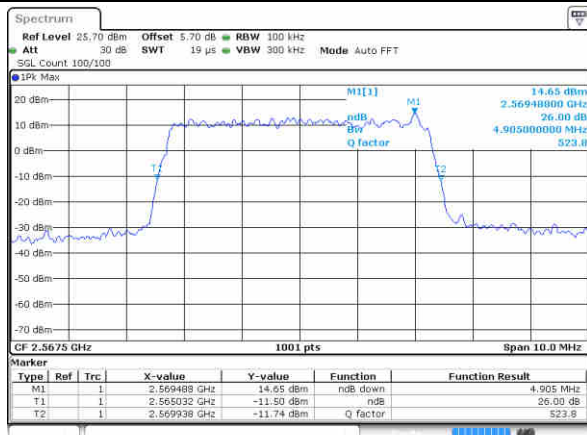
Date: 22 APR 2019 21:27:07

Middle Channel / 5MHz / 16QAM



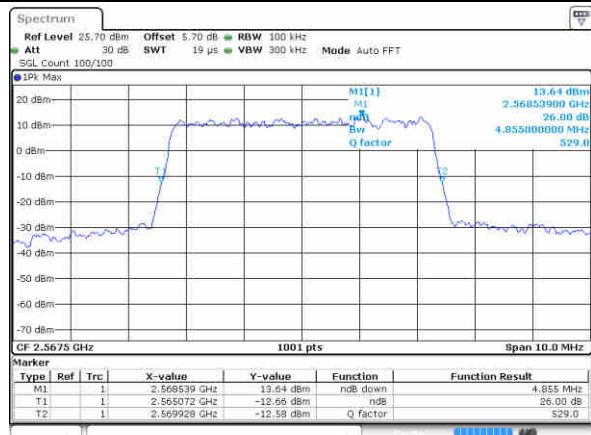
Date: 22 APR 2019 21:26:47

Highest Channel / 5MHz / QPSK



Date: 22 APR 2019 21:27:28

Highest Channel / 5MHz / 16QAM

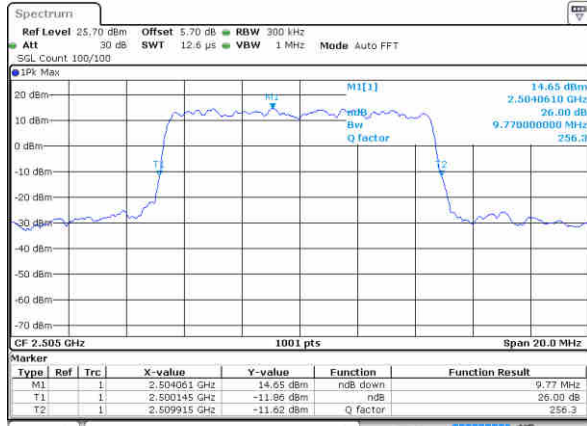


Date: 22 APR 2019 21:27:48



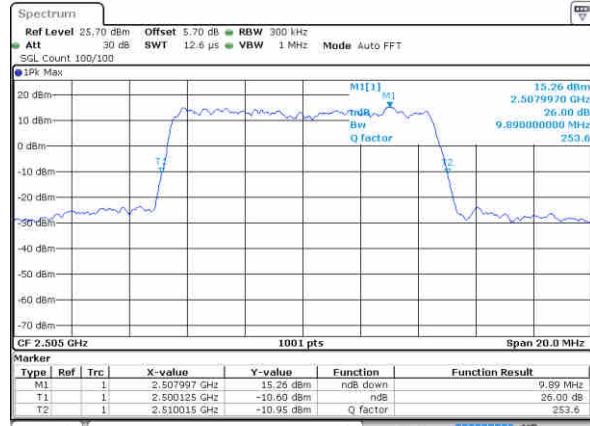
LTE Band 7

Lowest Channel / 10MHz / QPSK



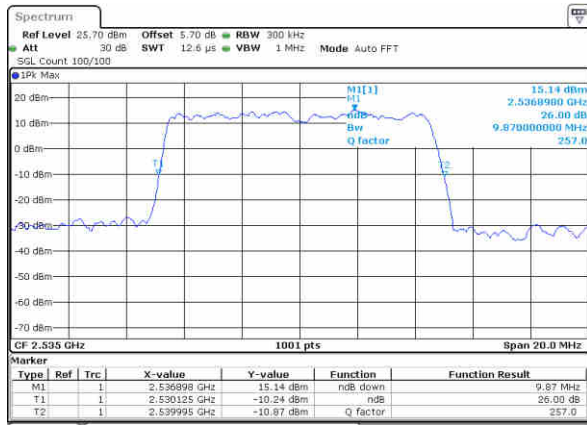
Date: 22 APR 2019 21:47:10

Lowest Channel / 10MHz / 16QAM



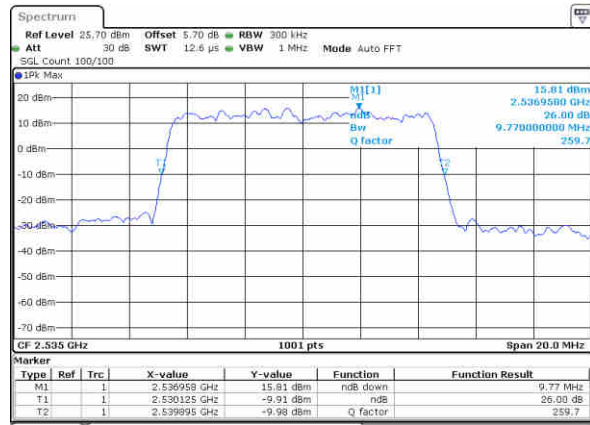
Date: 22 APR 2019 21:47:30

Middle Channel / 10MHz / QPSK



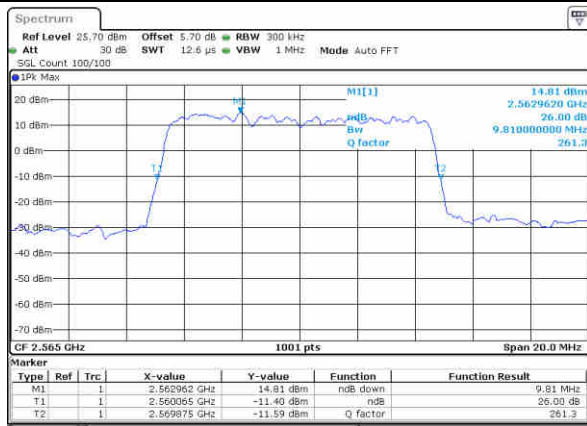
Date: 22 APR 2019 21:48:11

Middle Channel / 10MHz / 16QAM



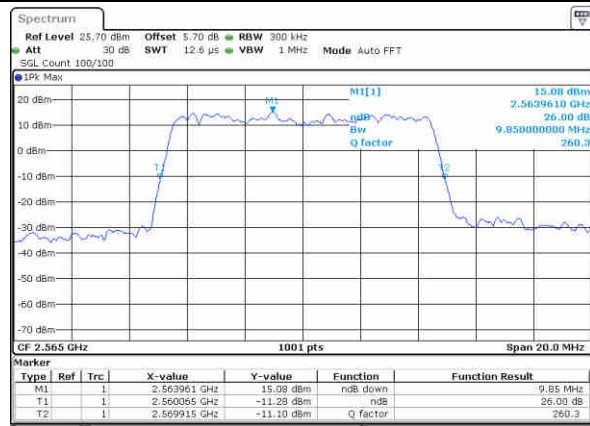
Date: 22 APR 2019 21:47:50

Highest Channel / 10MHz / QPSK



Date: 22 APR 2019 21:48:31

Highest Channel / 10MHz / 16QAM

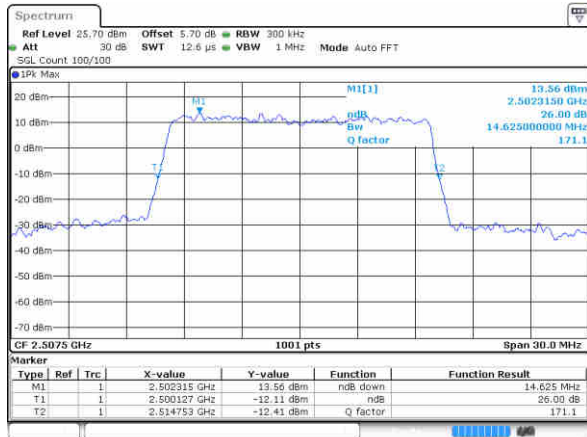


Date: 22 APR 2019 21:48:51



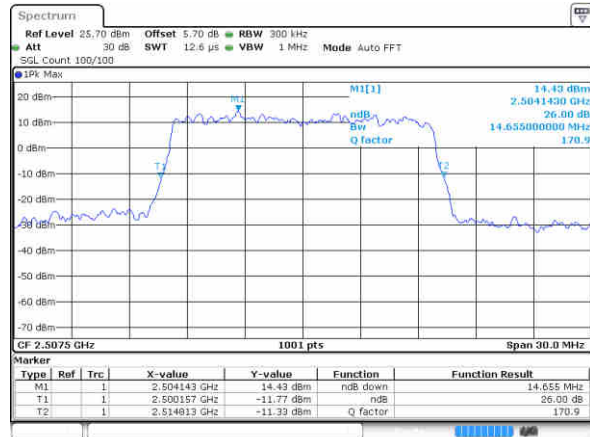
LTE Band 7

Lowest Channel / 15MHz / QPSK



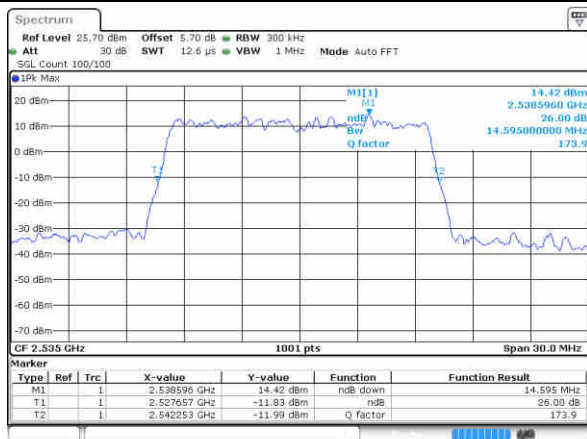
Date: 22 APR 2019 21:58:39

Lowest Channel / 15MHz / 16QAM



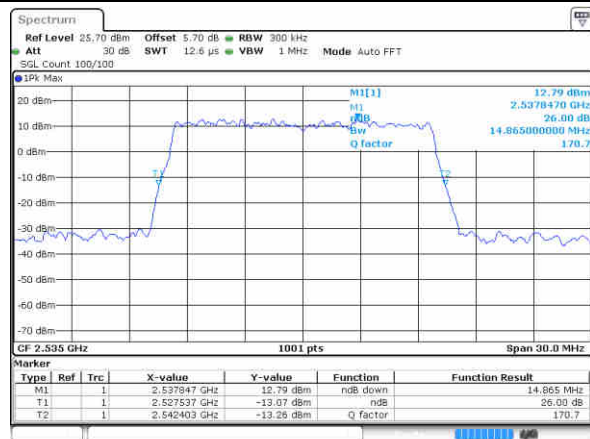
Date: 22 APR 2019 21:58:18

Middle Channel / 15MHz / QPSK



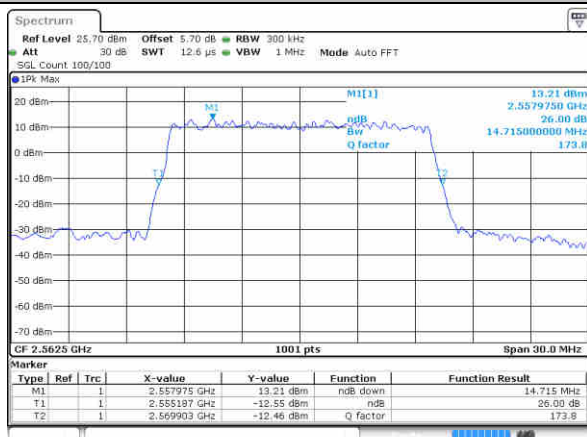
Date: 22 APR 2019 21:58:59

Middle Channel / 15MHz / 16QAM



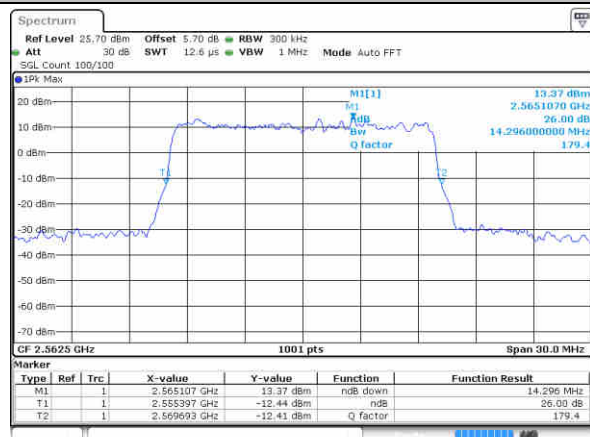
Date: 22 APR 2019 21:58:19

Highest Channel / 15MHz / QPSK



Date: 22 APR 2019 22:00:00

Highest Channel / 15MHz / 16QAM

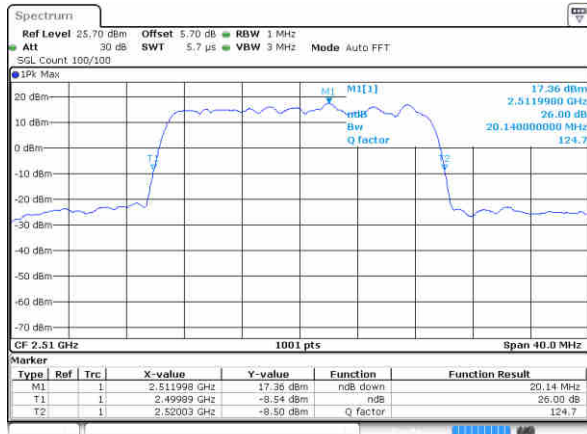


Date: 22 APR 2019 21:58:40

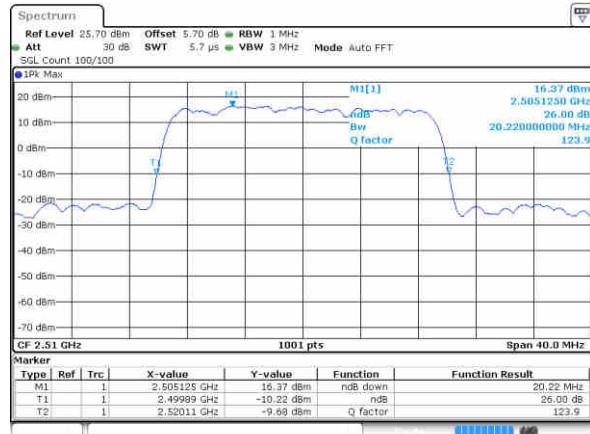


LTE Band 7

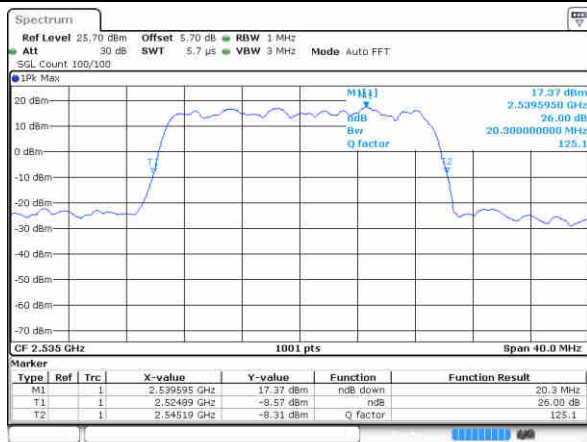
Lowest Channel / 20MHz / QPSK



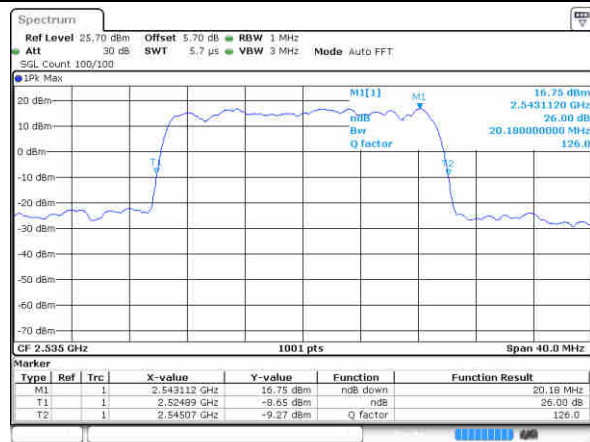
Lowest Channel / 20MHz / 16QAM



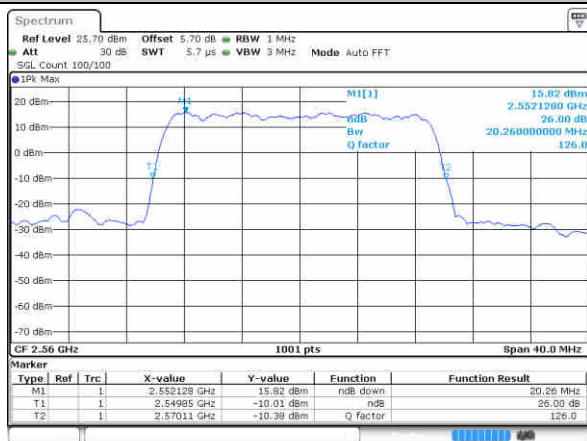
Middle Channel / 20MHz / QPSK



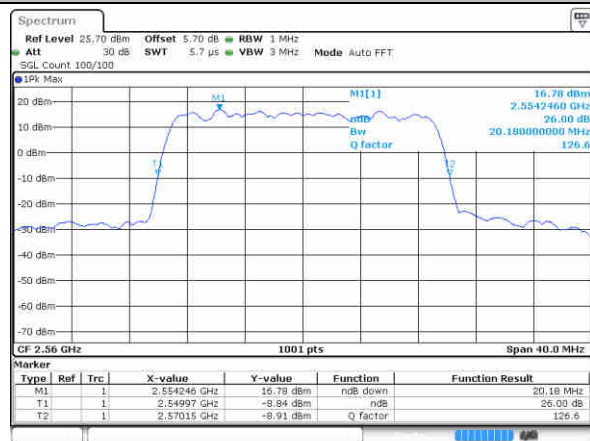
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



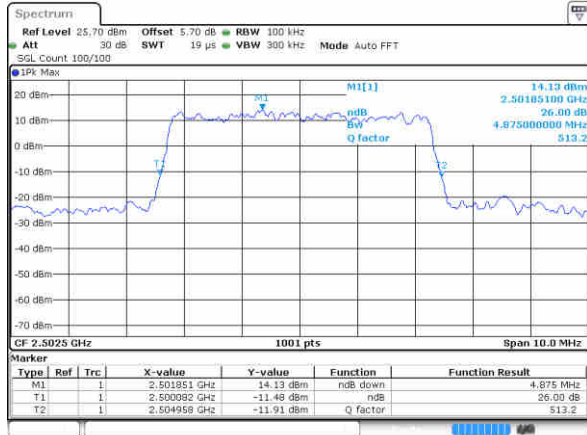
Highest Channel / 20MHz / 16QAM



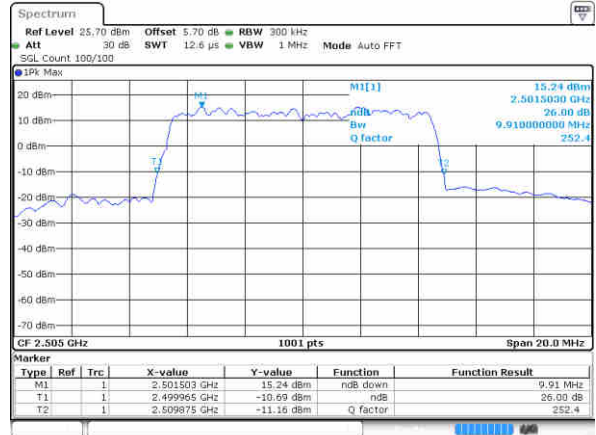


LTE Band 7

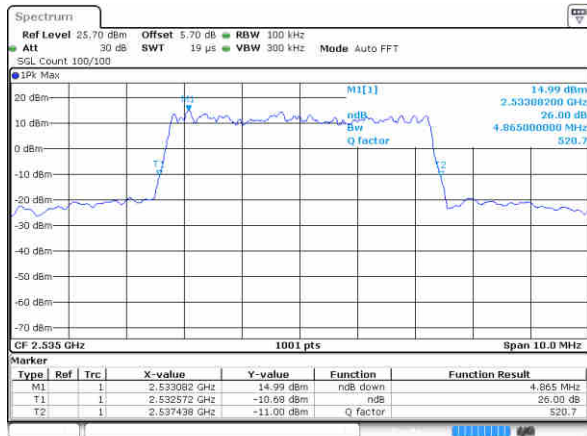
Lowest Channel / 5MHz / 64QAM



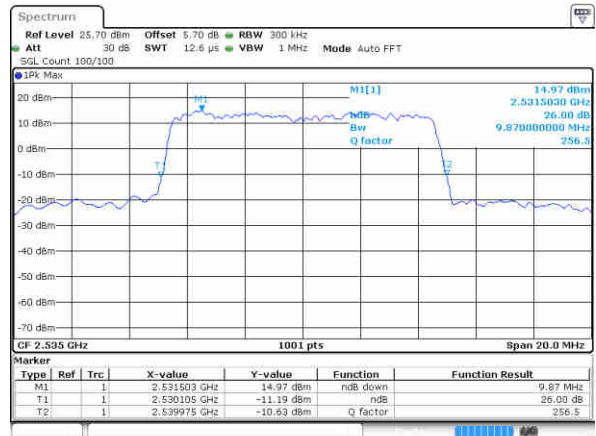
Lowest Channel / 10MHz / 64QAM



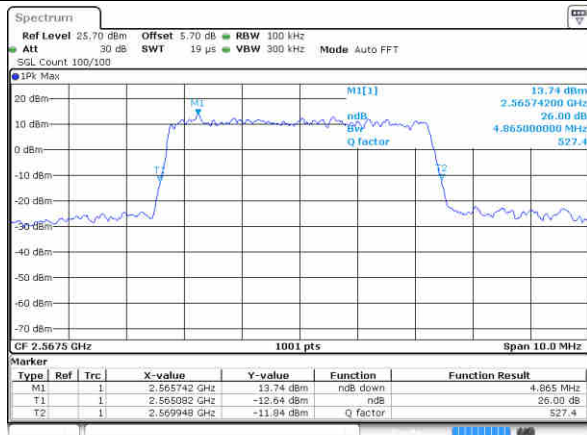
Middle Channel / 5MHz / 64QAM



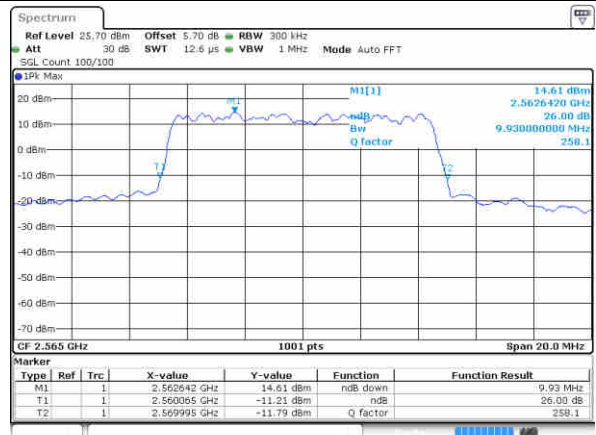
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



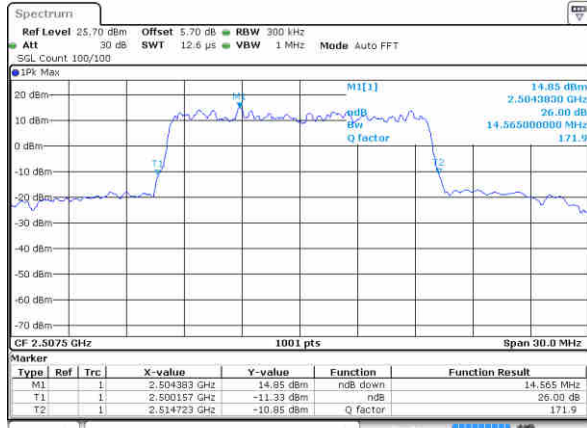
Highest Channel / 10MHz / 64QAM



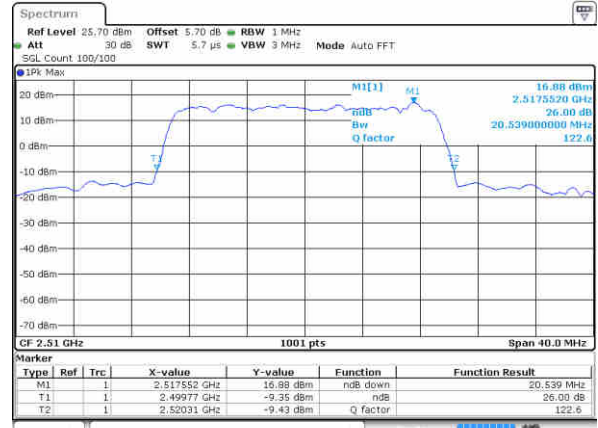


LTE Band 7

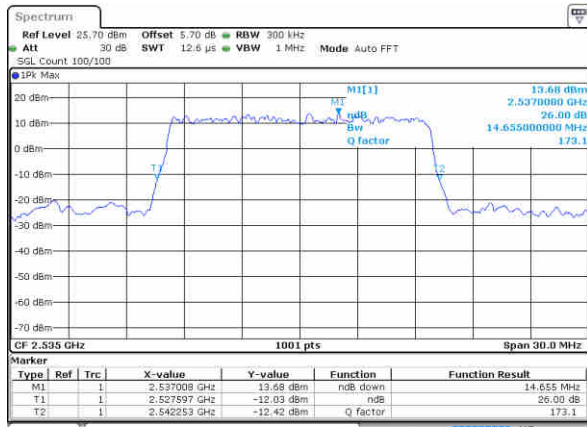
Lowest Channel / 15MHz / 64QAM



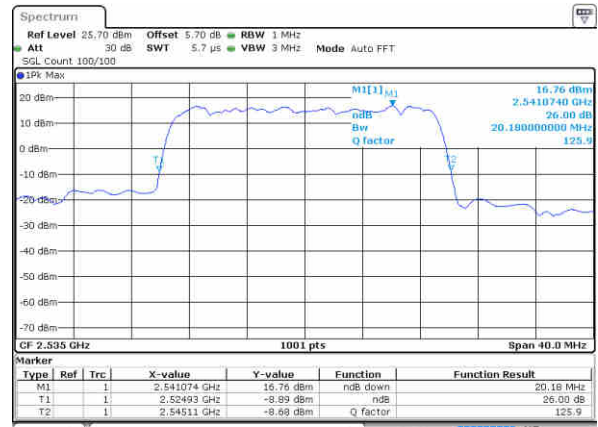
Lowest Channel / 20MHz / 64QAM



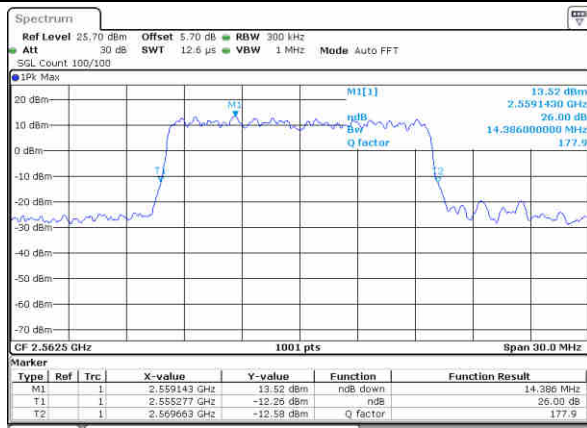
Middle Channel / 15MHz / 64QAM



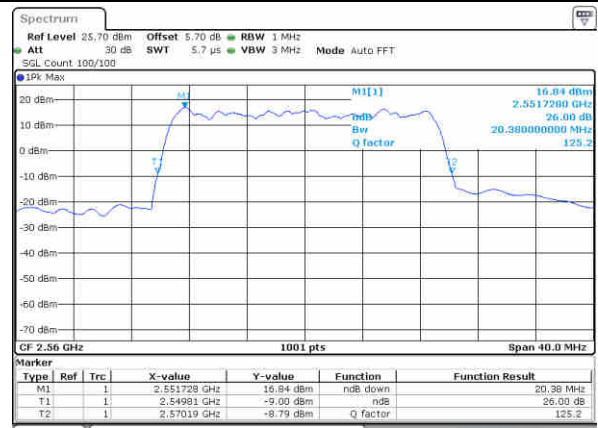
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



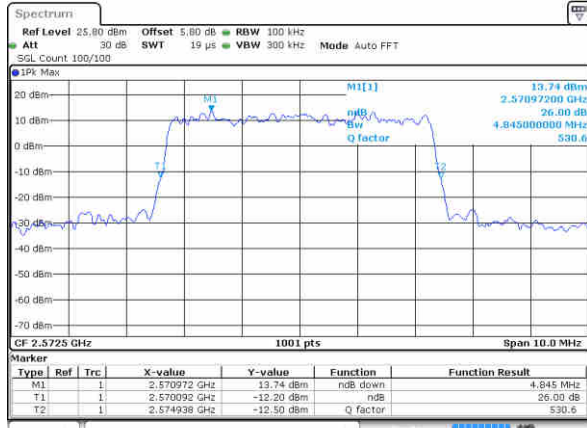
Highest Channel / 20MHz / 64QAM





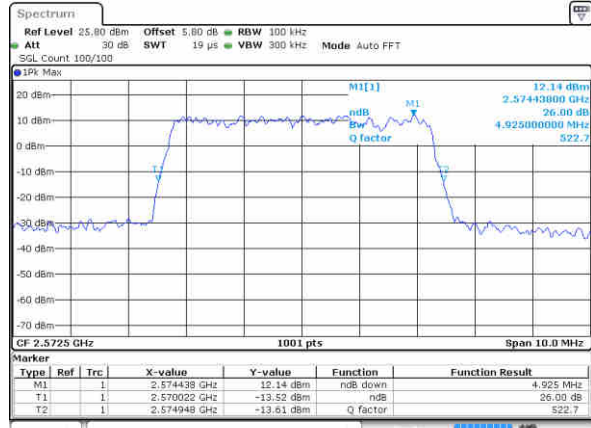
LTE Band 38

Lowest Channel / 5MHz / QPSK



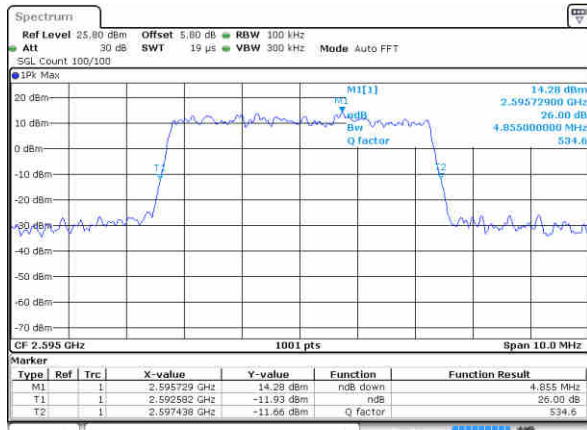
Date: 26 APR 2019 19:58:46

Lowest Channel / 5MHz / 16QAM



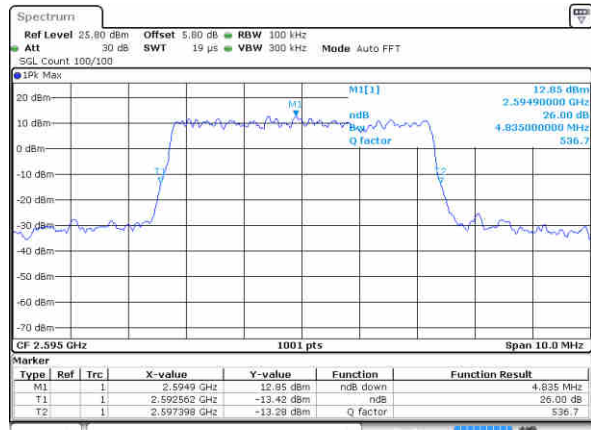
Date: 26 APR 2019 19:58:56

Middle Channel / 5MHz / QPSK



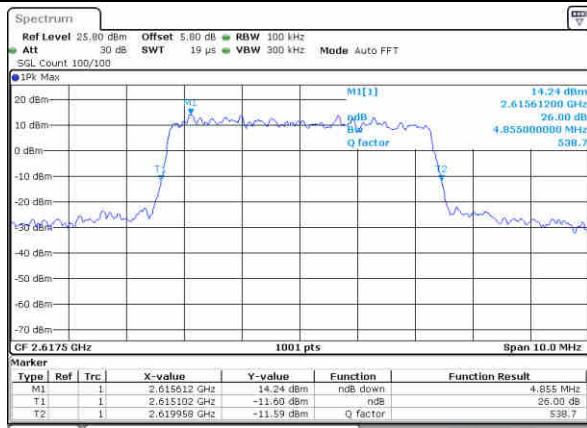
Date: 26 APR 2019 19:59:26

Middle Channel / 5MHz / 16QAM



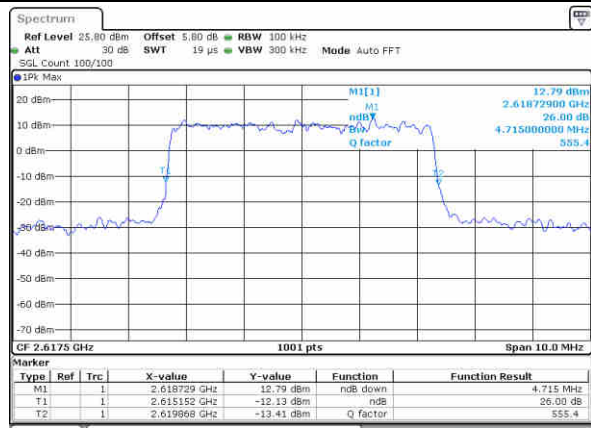
Date: 26 APR 2019 19:59:36

Highest Channel / 5MHz / QPSK



Date: 26 APR 2019 20:00:06

Highest Channel / 5MHz / 16QAM

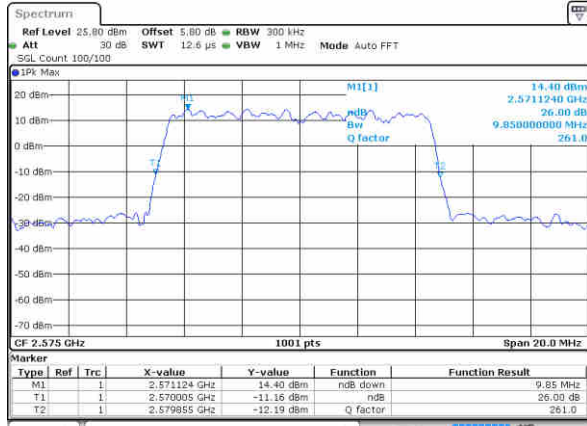


Date: 26 APR 2019 20:00:16



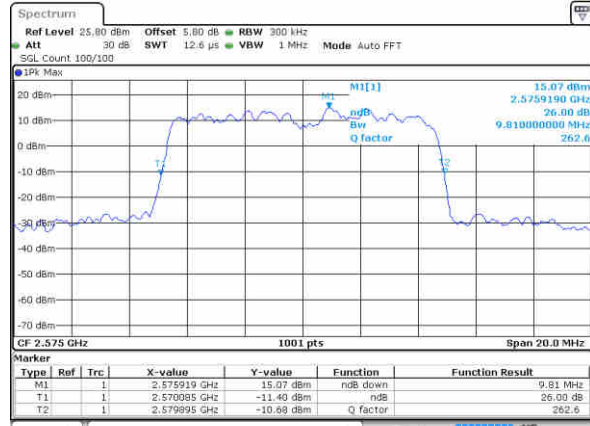
LTE Band 38

Lowest Channel / 10MHz / QPSK



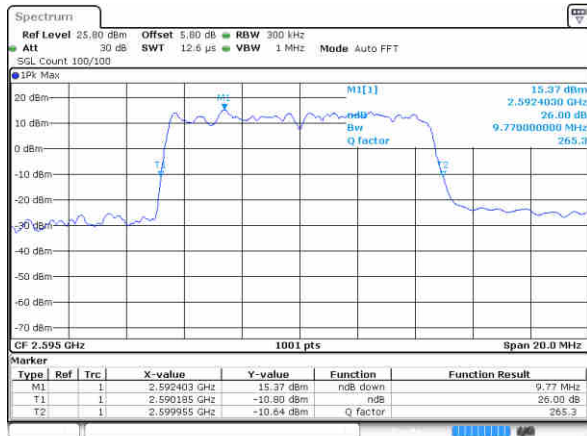
Date: 26 APR 2019 20:00:46

Lowest Channel / 10MHz / 16QAM



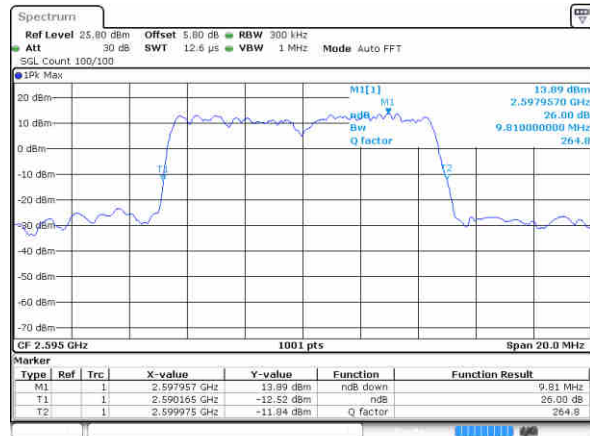
Date: 26 APR 2019 20:00:55

Middle Channel / 10MHz / QPSK



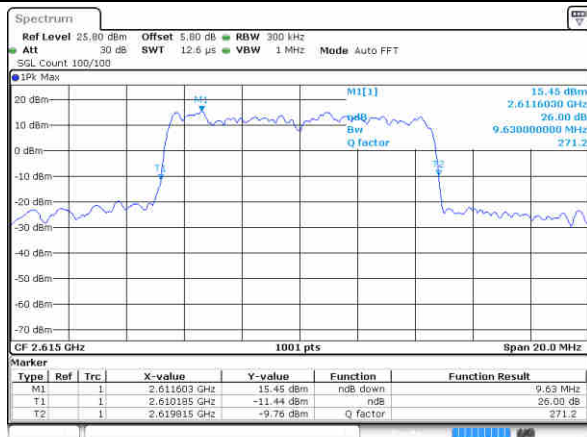
Date: 26 APR 2019 20:01:25

Middle Channel / 10MHz / 16QAM



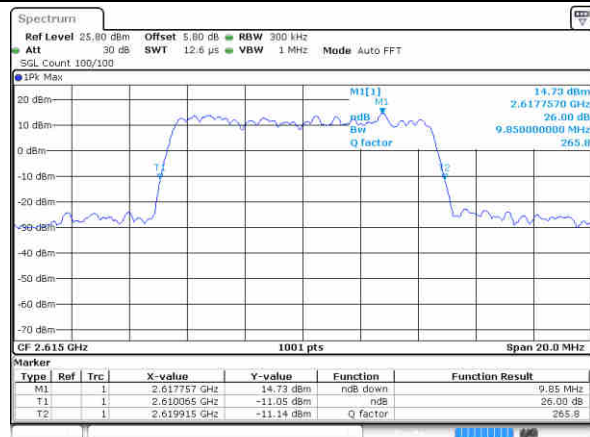
Date: 26 APR 2019 20:01:35

Highest Channel / 10MHz / QPSK



Date: 26 APR 2019 20:02:05

Highest Channel / 10MHz / 16QAM

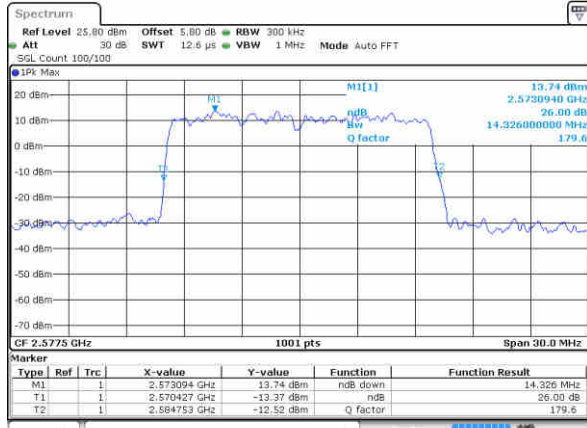


Date: 26 APR 2019 20:02:15



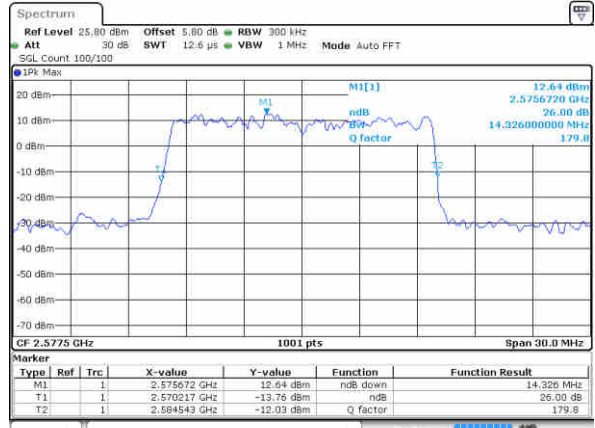
LTE Band 38

Lowest Channel / 15MHz / QPSK



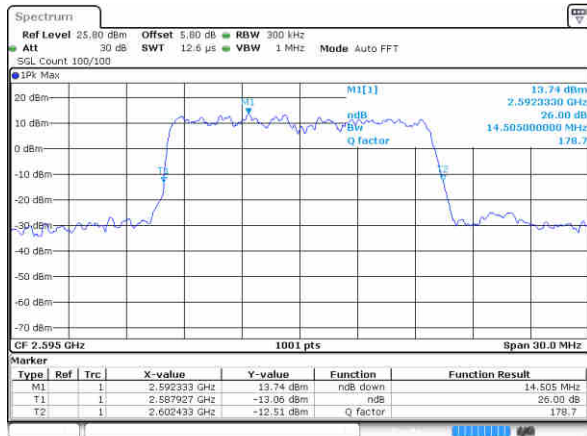
Date: 26 APR 2019 20:02:45

Lowest Channel / 15MHz / 16QAM



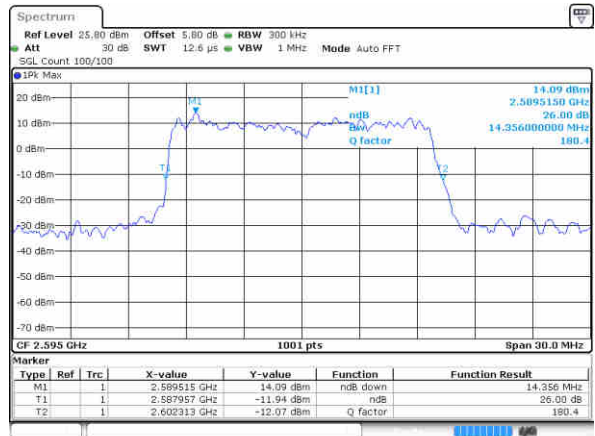
Date: 26 APR 2019 20:02:55

Middle Channel / 15MHz / QPSK



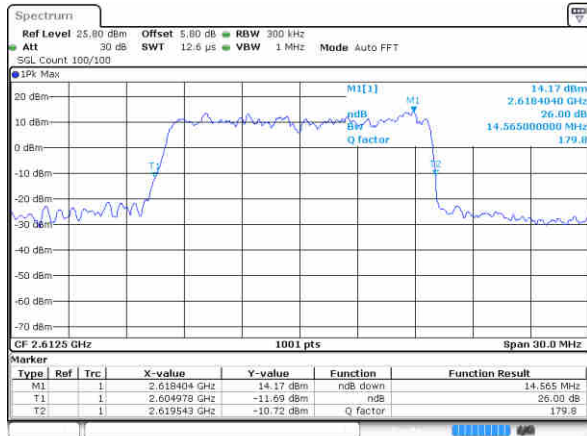
Date: 26 APR 2019 20:03:24

Middle Channel / 15MHz / 16QAM



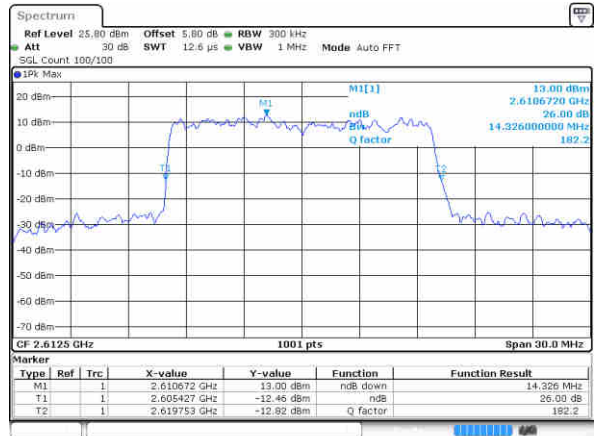
Date: 26 APR 2019 20:03:34

Highest Channel / 15MHz / QPSK



Date: 26 APR 2019 20:04:04

Highest Channel / 15MHz / 16QAM

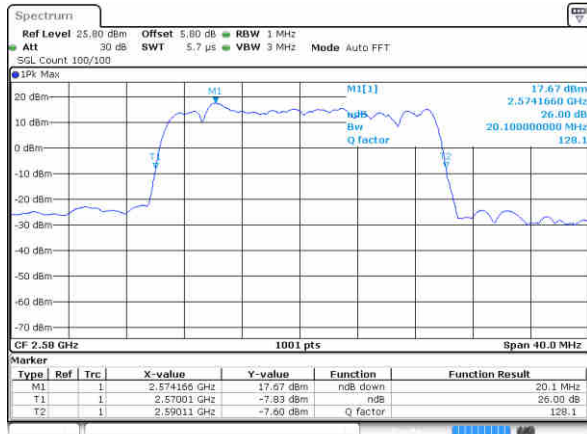


Date: 26 APR 2019 20:04:14



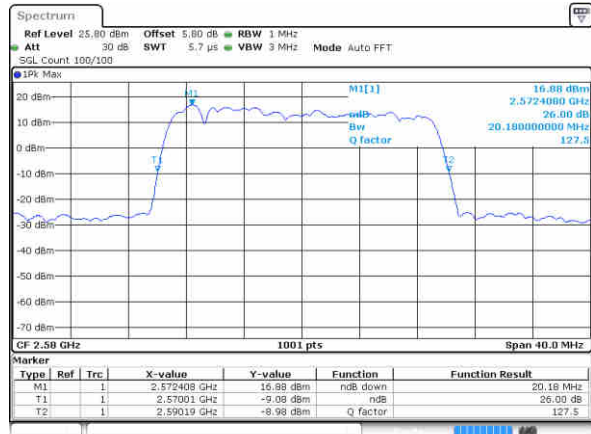
LTE Band 38

Lowest Channel / 20MHz / QPSK



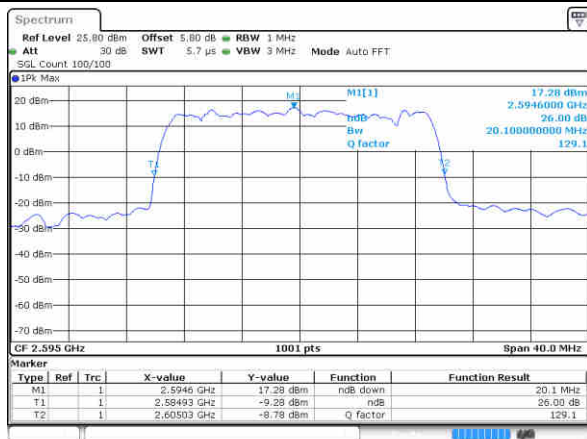
Date: 26 APR 2019 20:04:44

Lowest Channel / 20MHz / 16QAM



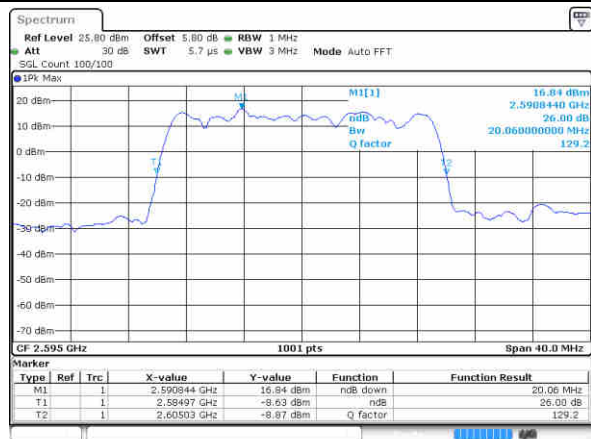
Date: 26 APR 2019 20:04:54

Middle Channel / 20MHz / QPSK



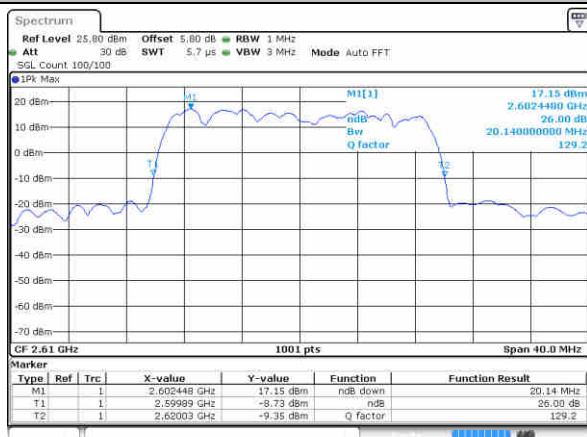
Date: 26 APR 2019 20:05:24

Middle Channel / 20MHz / 16QAM



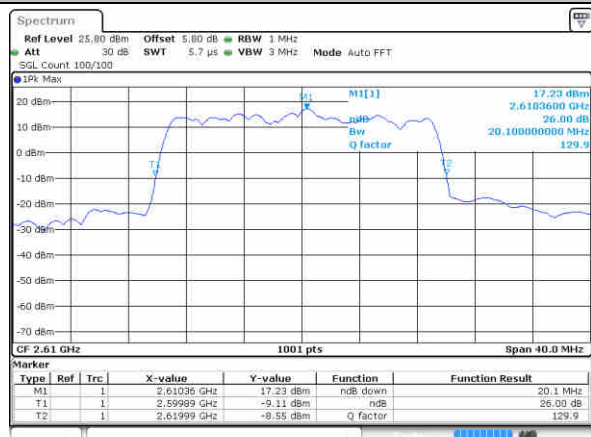
Date: 26 APR 2019 20:05:33

Highest Channel / 20MHz / QPSK



Date: 26 APR 2019 20:06:03

Highest Channel / 20MHz / 16QAM

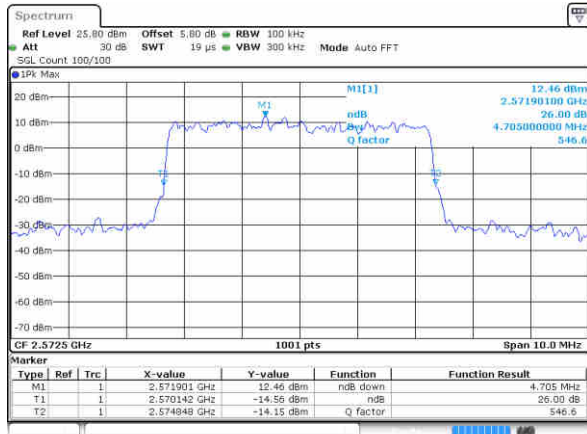


Date: 26 APR 2019 20:06:13

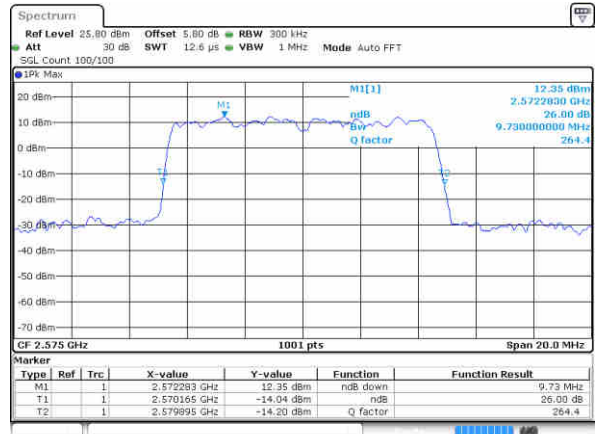


LTE Band 38

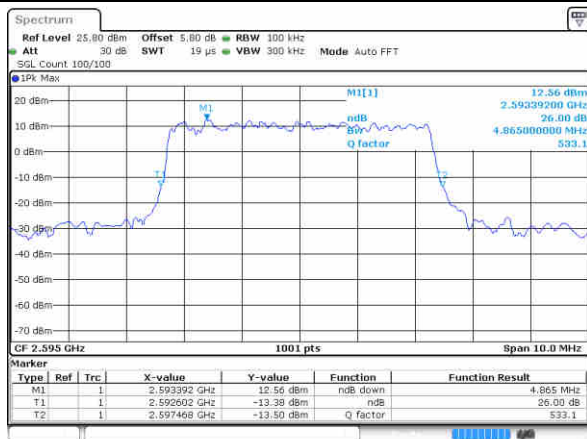
Lowest Channel / 5MHz / 64QAM



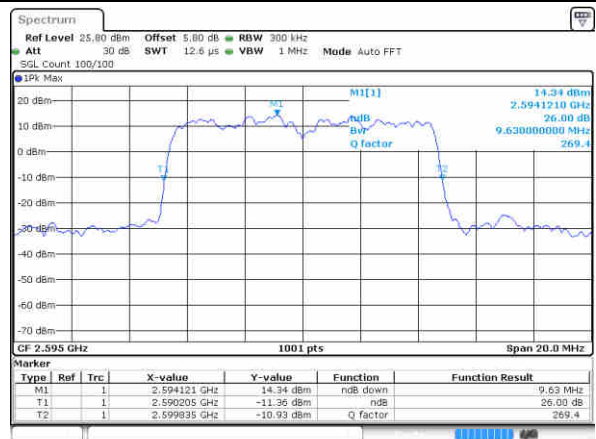
Lowest Channel / 10MHz / 64QAM



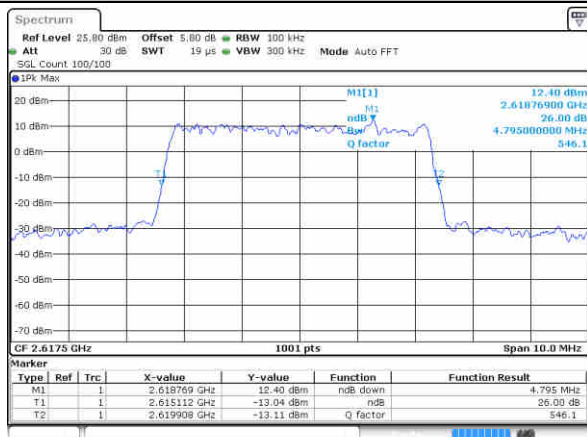
Middle Channel / 5MHz / 64QAM



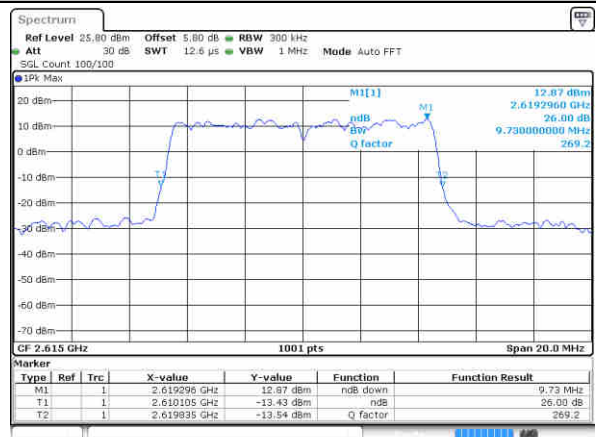
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



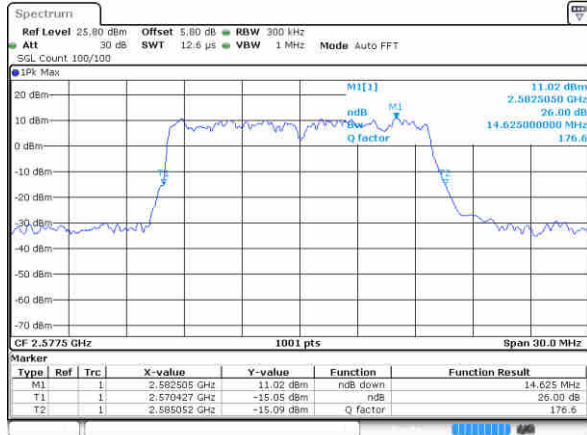
Highest Channel / 10MHz / 64QAM



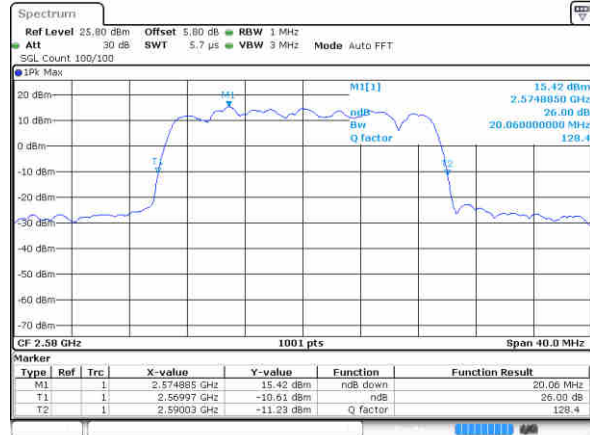


LTE Band 38

Lowest Channel / 15MHz / 64QAM



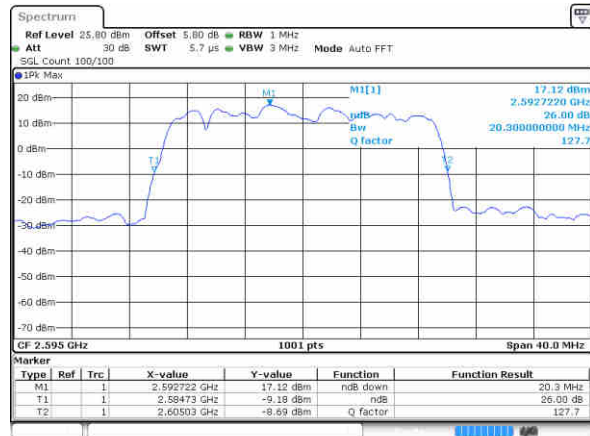
Lowest Channel / 20MHz / 64QAM



Middle Channel / 15MHz / 64QAM



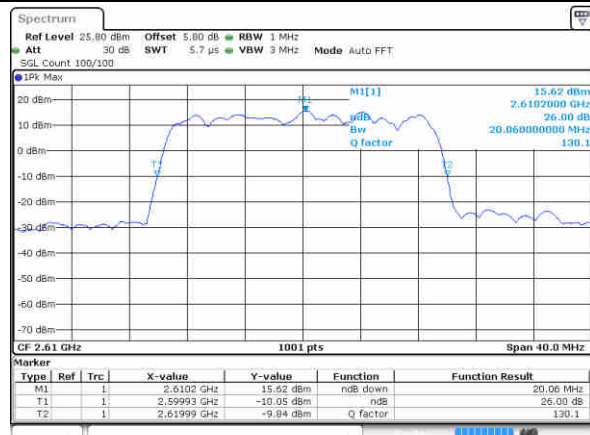
Middle Channel / 20MHz / 64QAM



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	2.70	2.74	4.49	4.50	9.09	9.01	13.46	13.55	18.50	18.22
Middle CH	1.09	1.09	2.73	2.74	4.50	4.48	9.05	9.03	13.40	13.46	18.42	18.50
Highest CH	1.10	1.09	2.72	2.72	4.49	4.48	9.15	9.07	13.43	13.46	18.62	18.42
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		2.71		4.47		9.11		13.43		18.34	
Middle CH	1.09		2.72		4.48		9.07		13.40		18.50	
Highest CH	1.09		2.73		4.48		9.03		13.46		18.46	

Mode	LTE Band 5 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz					
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM				
Lowest CH	1.09	1.10	2.73	2.72	4.52	4.47	9.03	9.11				
9.03	1.10	1.11	2.73	2.73	4.53	4.49	9.11	9.09				
Highest CH	1.09	1.10	2.73	2.71	4.49	4.49	9.03	8.97				
Mode	LTE Band 5 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz					
Mod.	64QAM		64QAM		64QAM		64QAM					
Lowest CH	1.10		2.73		4.50		9.01					
Middle CH	1.11		2.76		4.51		9.03					
Highest CH	1.09		2.73		4.52		8.99					



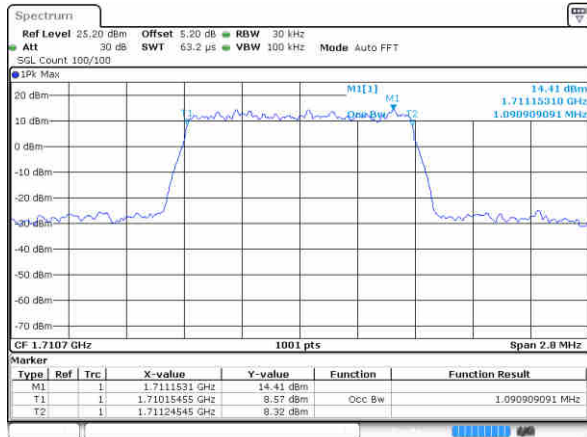
Mode	LTE Band 7 : 99%OBW(MHz)											
BW					5MHz		10MHz		15MHz		20MHz	
Mod.					QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH					4.51	4.50	9.03	9.01	13.46	13.43	18.38	18.46
Middle CH					4.49	4.50	9.03	9.03	13.46	13.43	18.38	18.34
Highest CH					4.49	4.49	9.05	9.09	13.46	13.43	18.42	18.30
Mode	LTE Band 7 : 99%OBW(MHz)											
BW					5MHz		10MHz		15MHz		20MHz	
Mod.					64QAM		64QAM		64QAM		64QAM	
Lowest CH					4.48		8.99		13.46		18.46	
Middle CH					4.53		9.13		13.46		18.38	
Highest CH					4.51		9.05		13.40		18.38	

Mode	LTE Band 38 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH					4.51	4.48	9.01	8.99	13.46	13.52	18.50	18.30
Middle CH					4.52	4.48	9.01	9.09	13.40	13.43	18.42	18.46
Highest CH					4.49	4.48	9.03	9.05	13.40	13.46	18.26	18.46
Mode	LTE Band 38 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH					4.51		8.97		13.37		18.34	
Middle CH					4.50		9.11		13.43		18.30	
Highest CH					4.51		9.05		13.40		18.46	

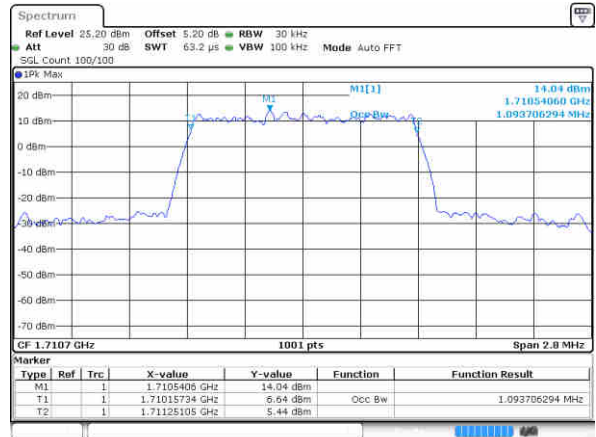


LTE Band 4

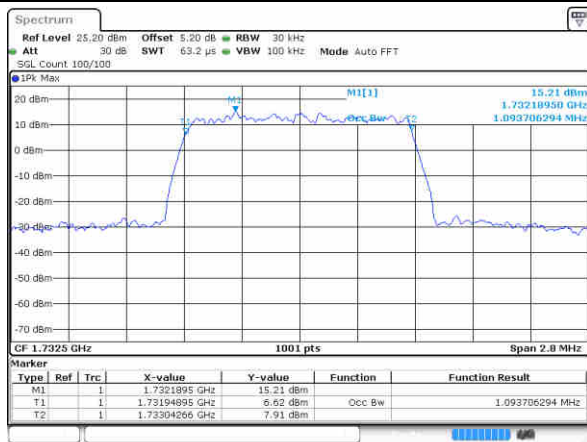
Lowest Channel / 1.4MHz / QPSK



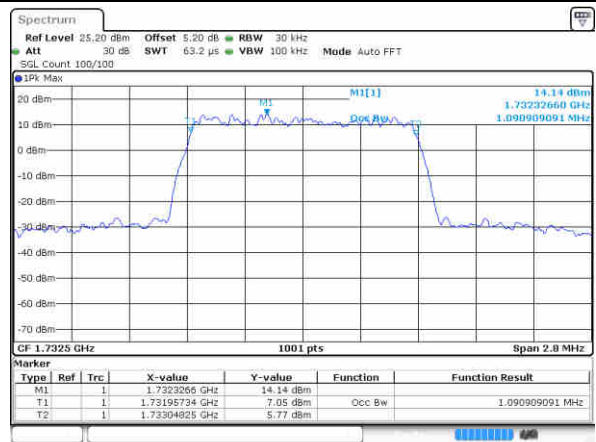
Lowest Channel / 1.4MHz / 16QAM



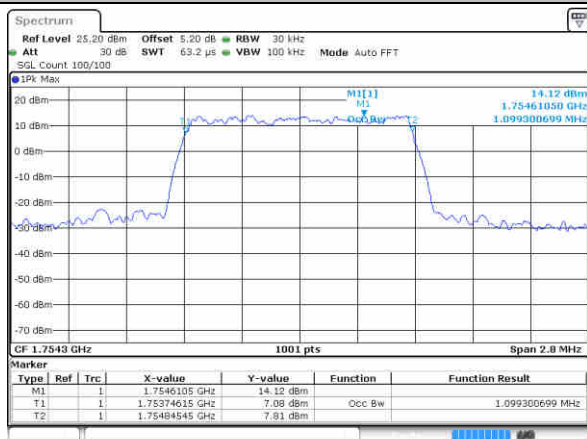
Middle Channel / 1.4MHz / QPSK



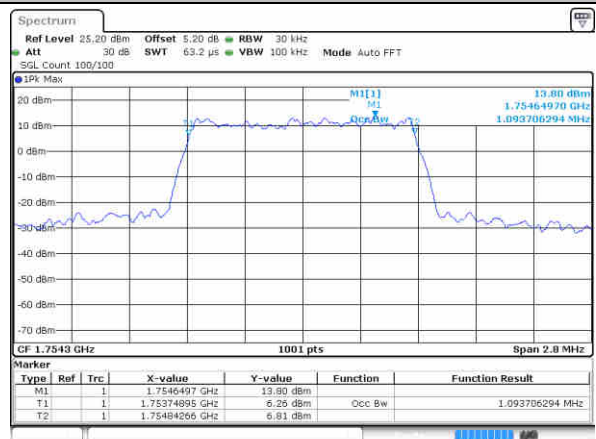
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



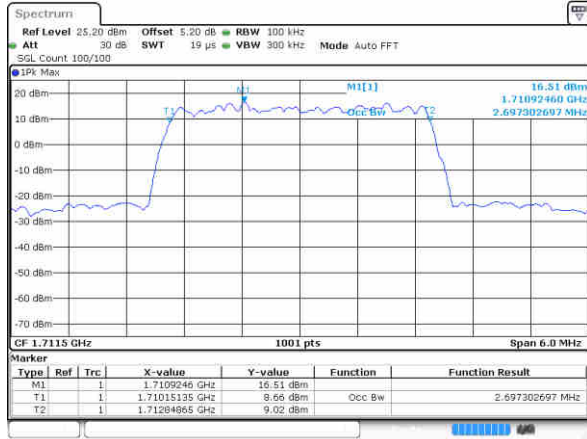
Highest Channel / 1.4MHz / 16QAM



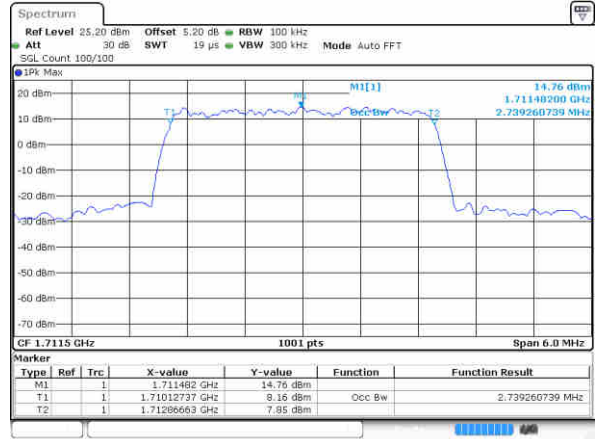


LTE Band 4

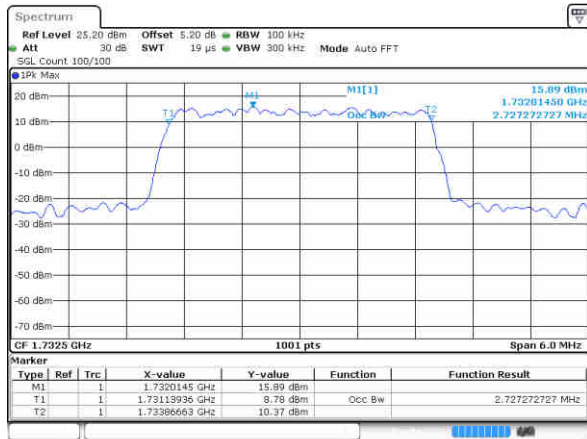
Lowest Channel / 3MHz / QPSK



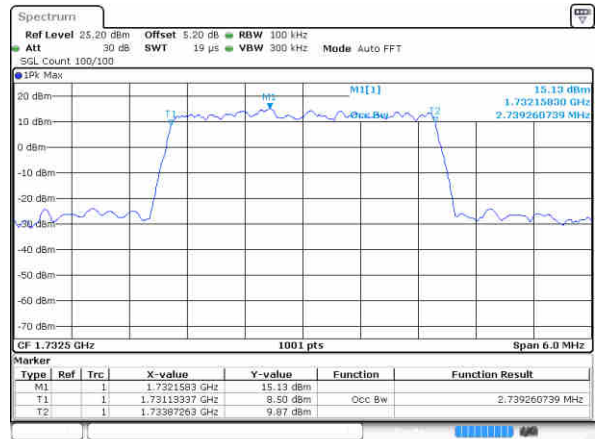
Lowest Channel / 3MHz / 16QAM



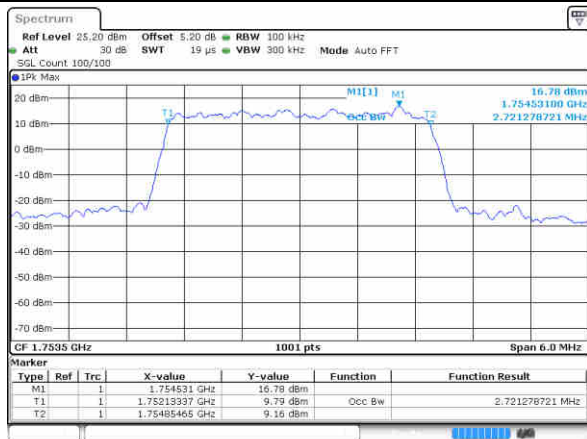
Middle Channel / 3MHz / QPSK



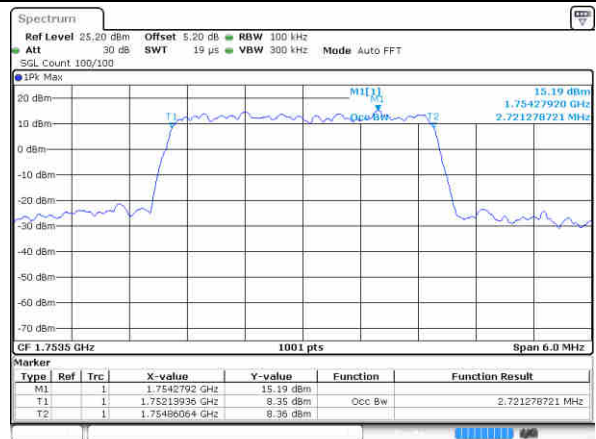
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



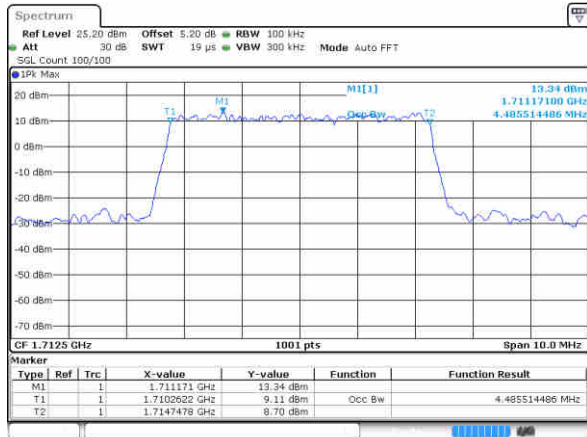
Highest Channel / 3MHz / 16QAM





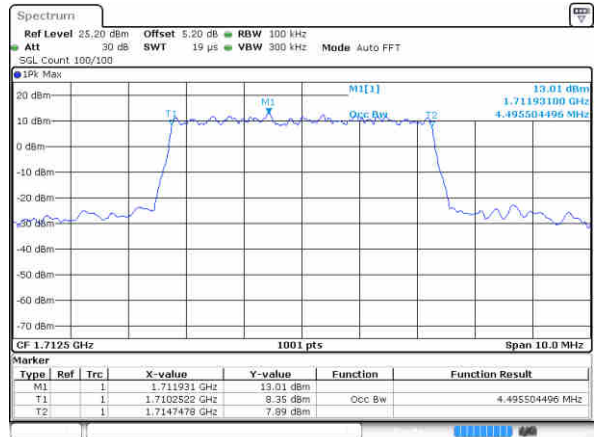
LTE Band 4

Lowest Channel / 5MHz / QPSK



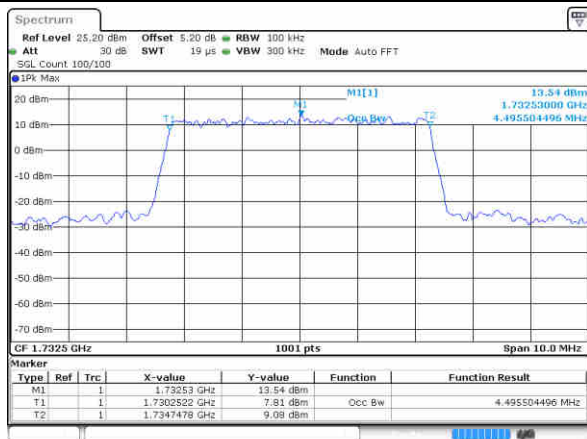
Date: 23 APR 2019 21:06:12

Lowest Channel / 5MHz / 16QAM



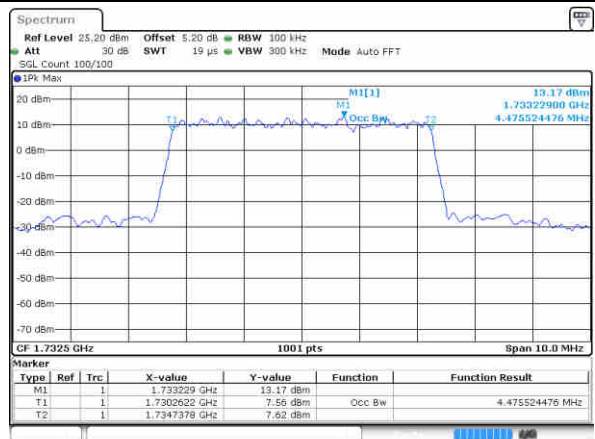
Date: 23 APR 2019 21:06:22

Middle Channel / 5MHz / QPSK



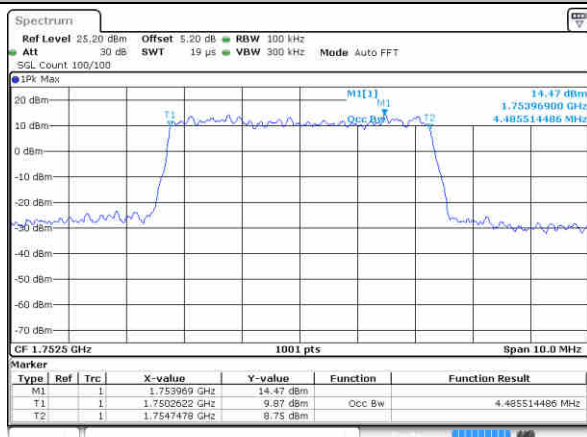
Date: 23 APR 2019 21:13:12

Middle Channel / 5MHz / 16QAM



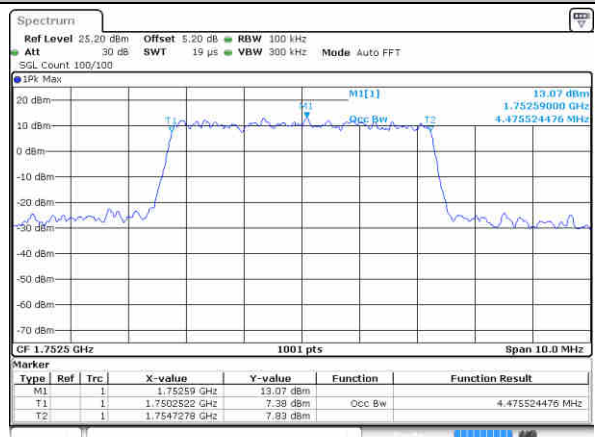
Date: 23 APR 2019 21:13:22

Highest Channel / 5MHz / QPSK



Date: 23 APR 2019 21:15:41

Highest Channel / 5MHz / 16QAM

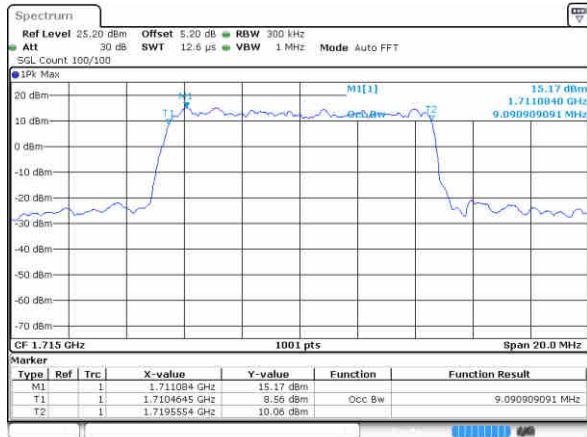


Date: 23 APR 2019 21:15:51

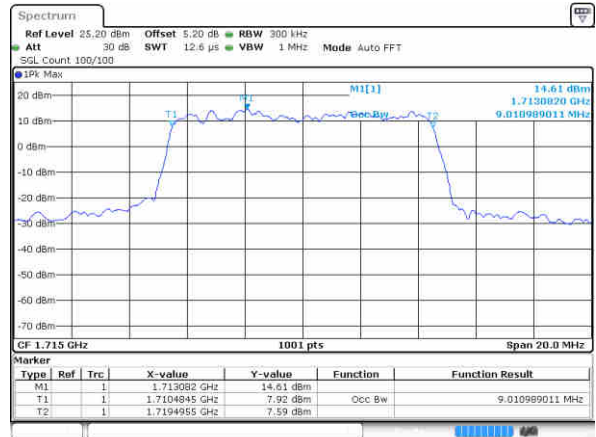


LTE Band 4

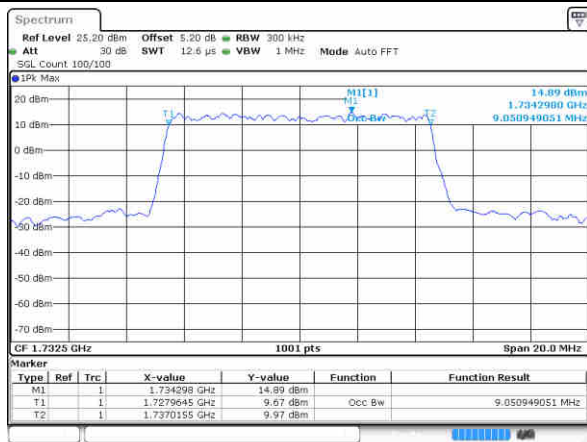
Lowest Channel / 10MHz / QPSK



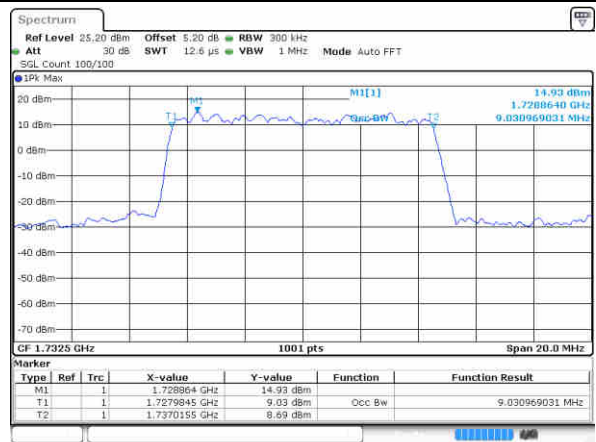
Lowest Channel / 10MHz / 16QAM



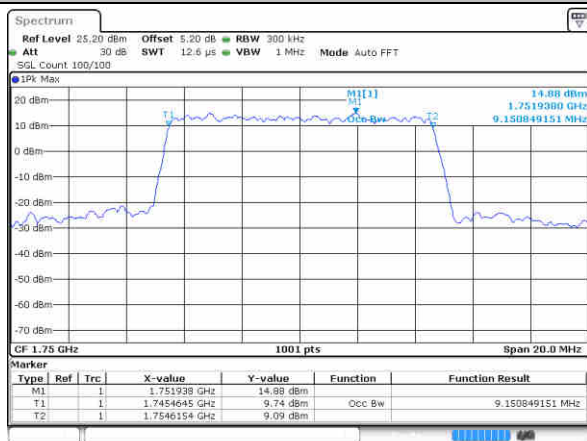
Middle Channel / 10MHz / QPSK



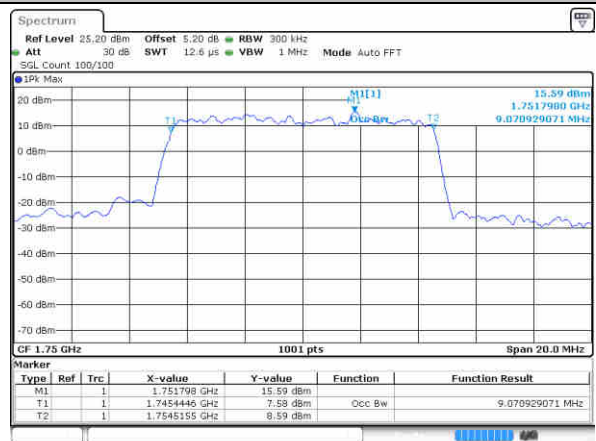
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



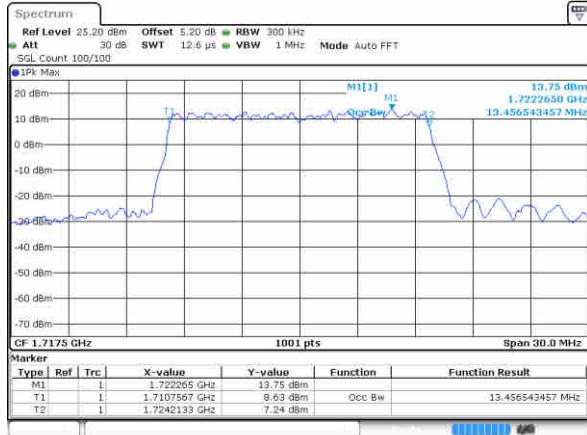
Highest Channel / 10MHz / 16QAM



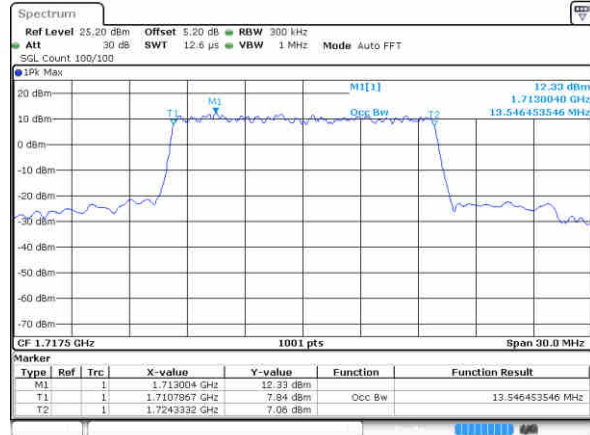


LTE Band 4

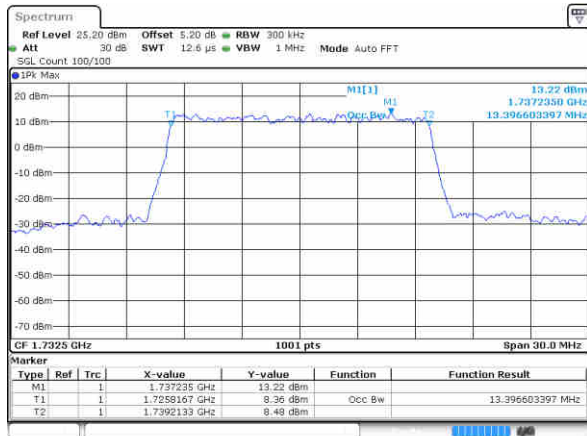
Lowest Channel / 15MHz / QPSK



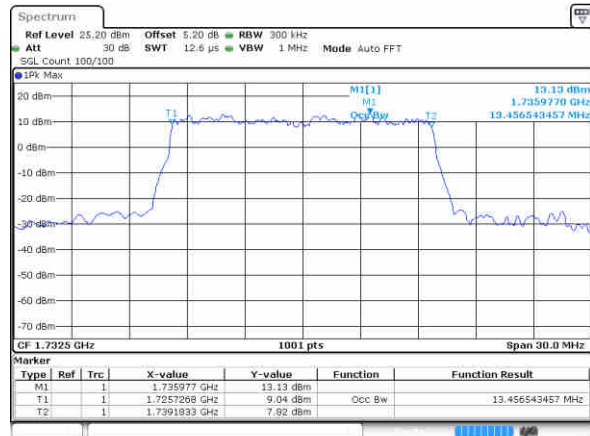
Lowest Channel / 15MHz / 16QAM



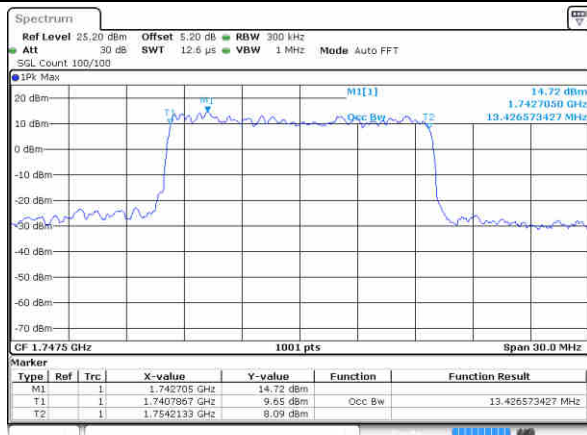
Middle Channel / 15MHz / QPSK



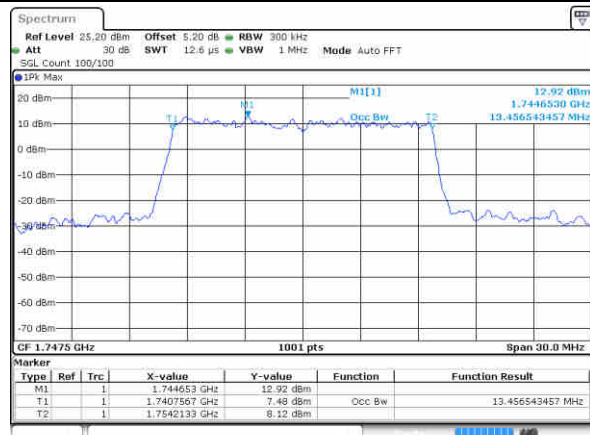
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



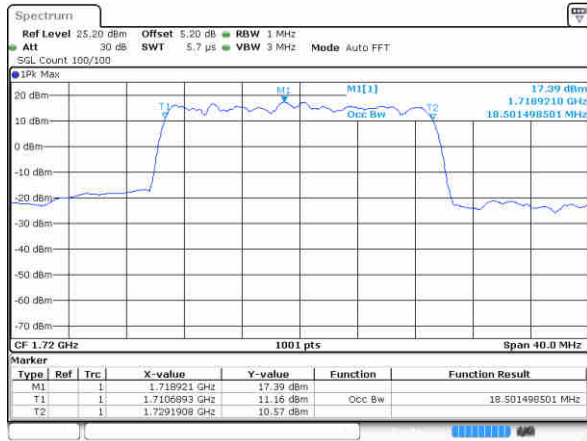
Highest Channel / 15MHz / 16QAM



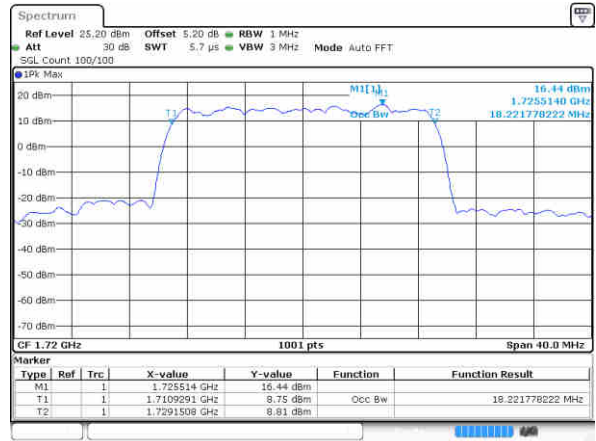


LTE Band 4

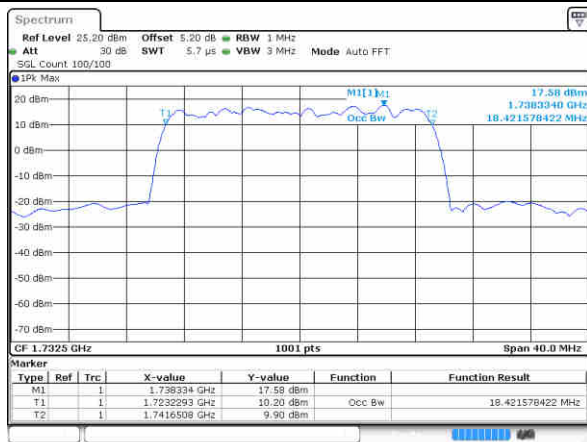
Lowest Channel / 20MHz / QPSK



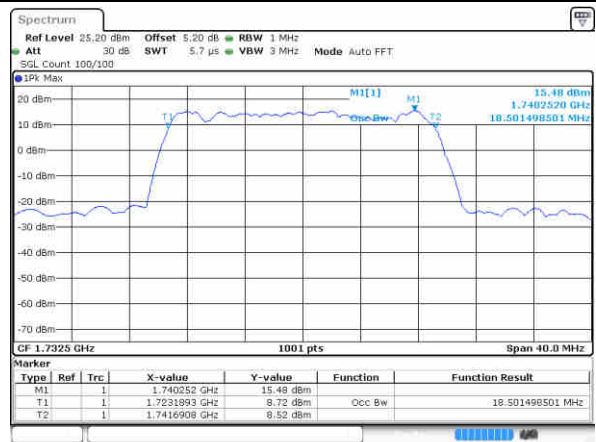
Lowest Channel / 20MHz / 16QAM



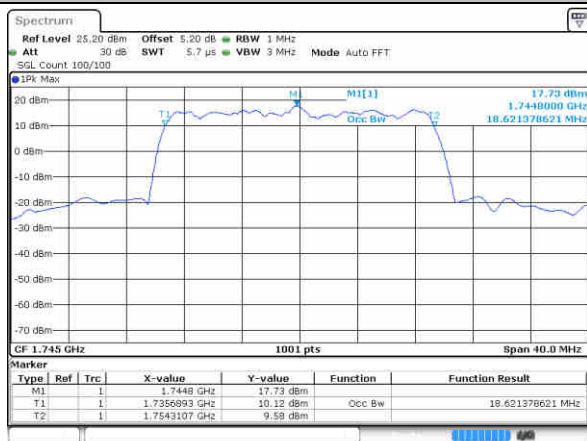
Middle Channel / 20MHz / QPSK



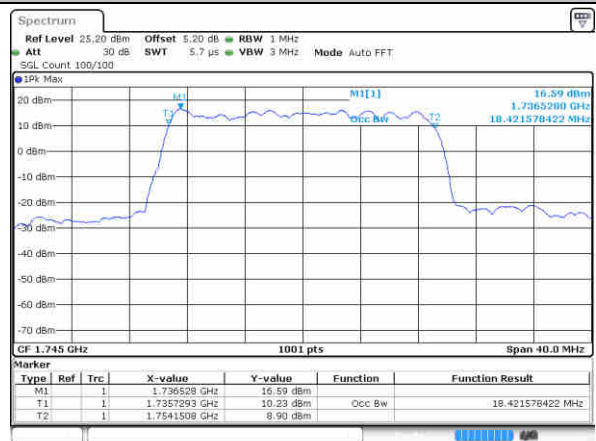
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



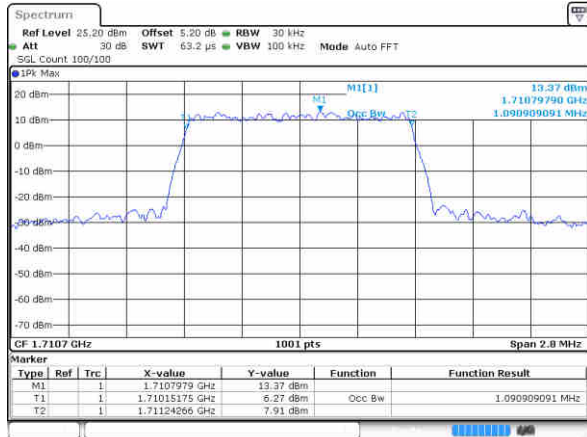
Highest Channel / 20MHz / 16QAM



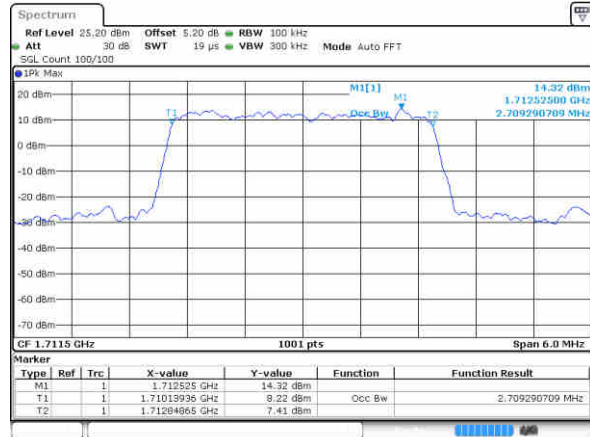


LTE Band 4

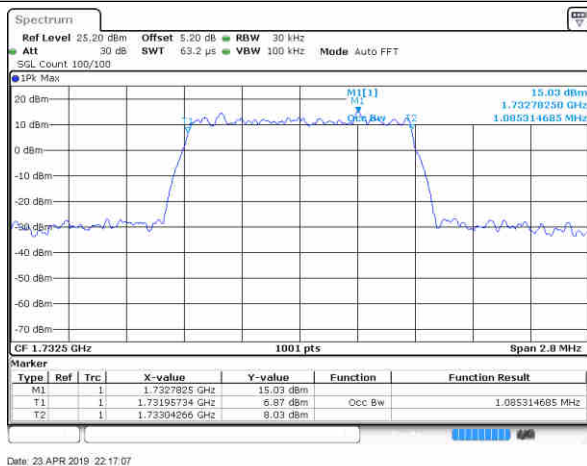
Lowest Channel / 1.4MHz / 64QAM



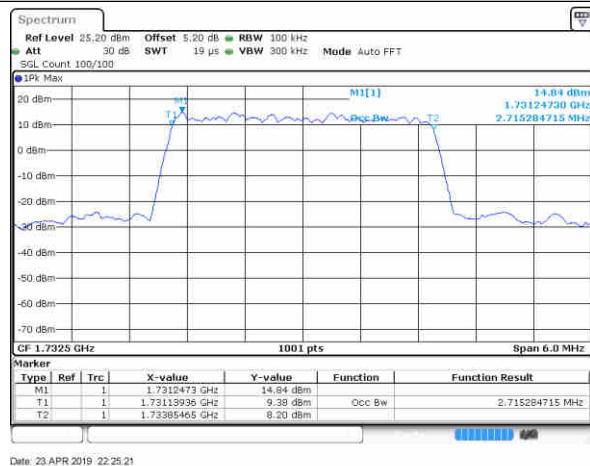
Lowest Channel / 3MHz / 64QAM



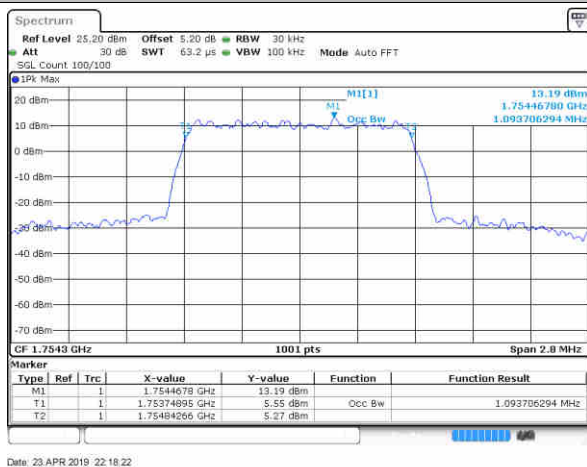
Middle Channel / 1.4MHz / 64QAM



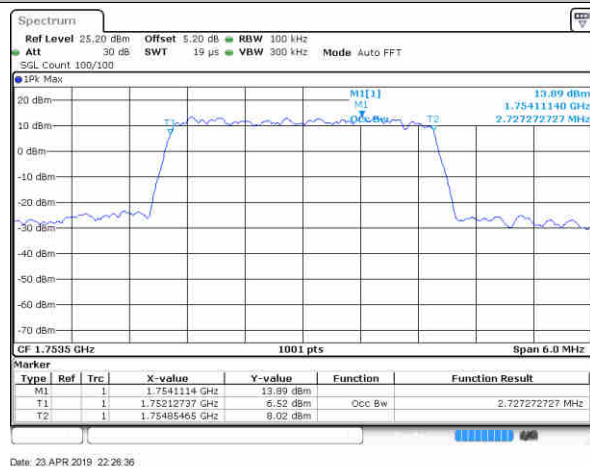
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM



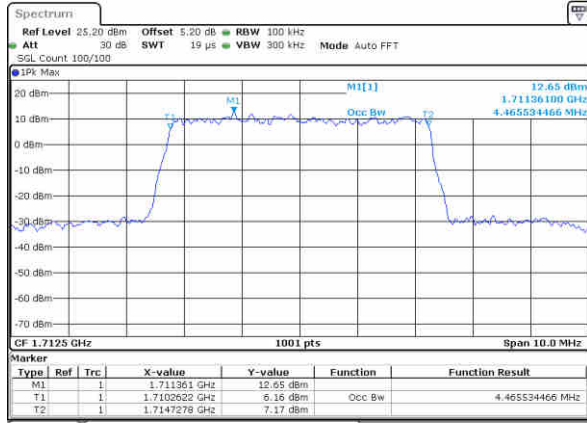
Highest Channel / 3MHz / 64QAM



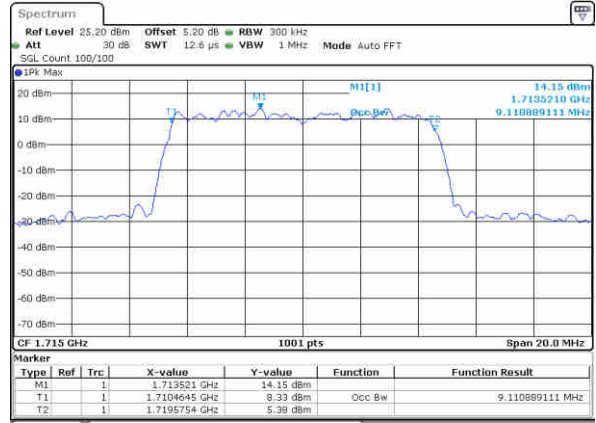


LTE Band 4

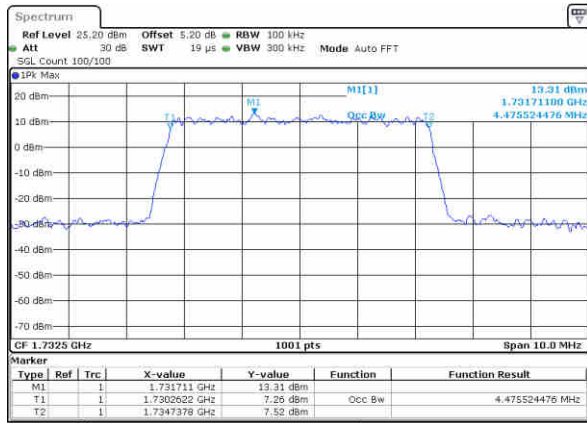
Lowest Channel / 5MHz / 64QAM



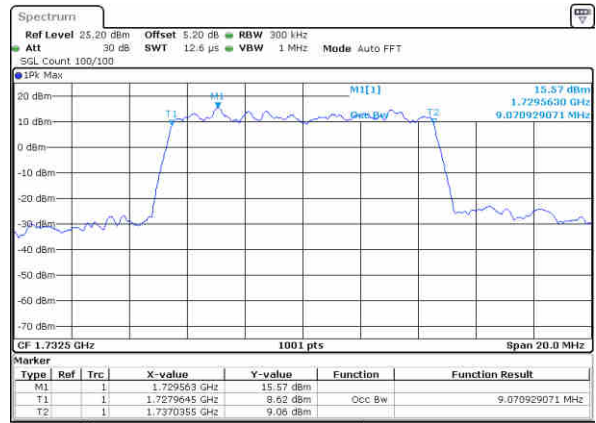
Lowest Channel / 10MHz / 64QAM



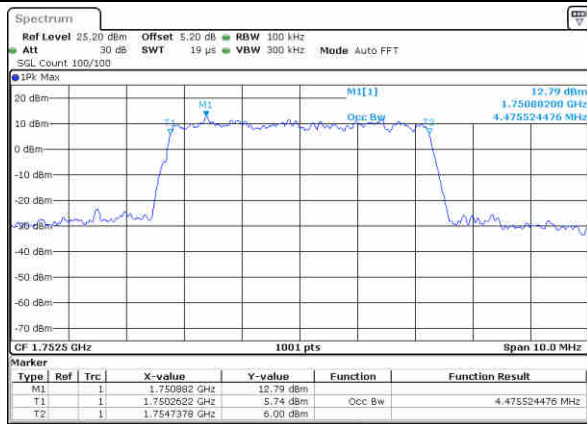
Middle Channel / 5MHz / 64QAM



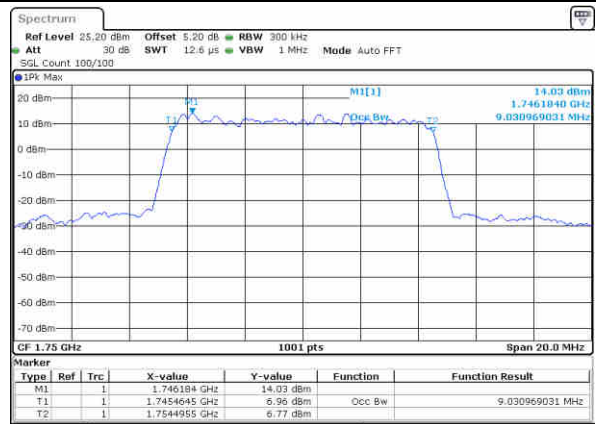
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



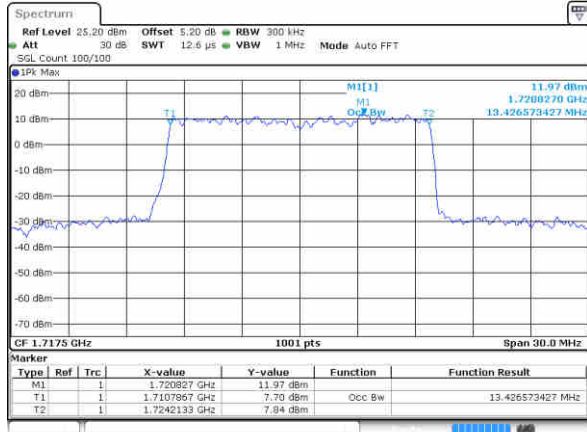
Highest Channel / 10MHz / 64QAM



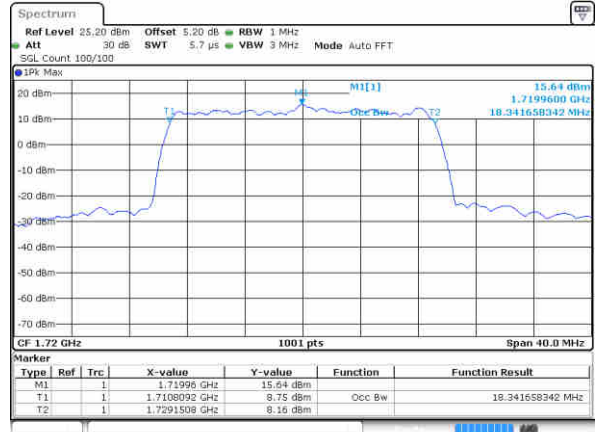


LTE Band 4

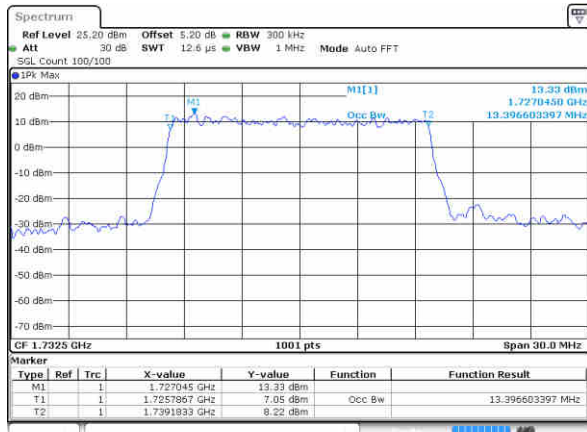
Lowest Channel / 15MHz / 64QAM



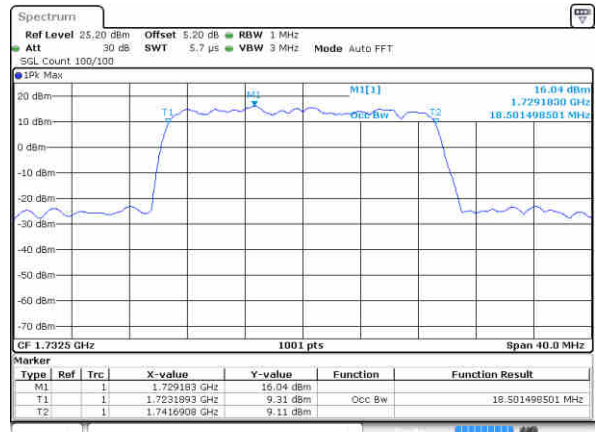
Lowest Channel / 20MHz / 64QAM



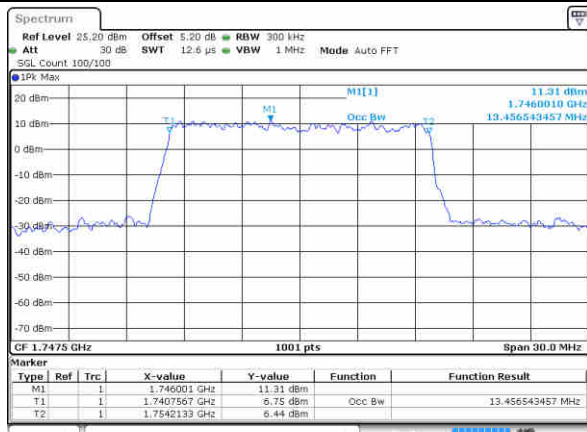
Middle Channel / 15MHz / 64QAM



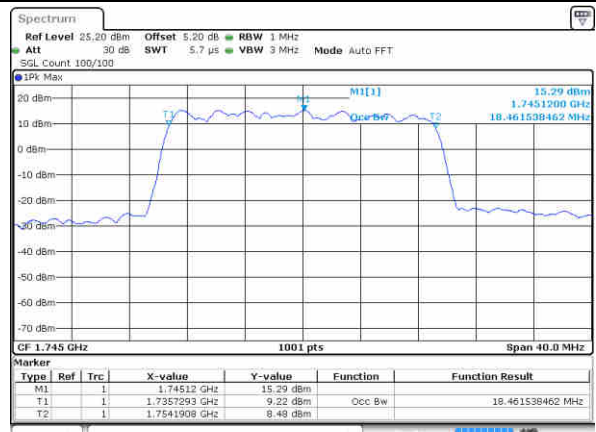
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



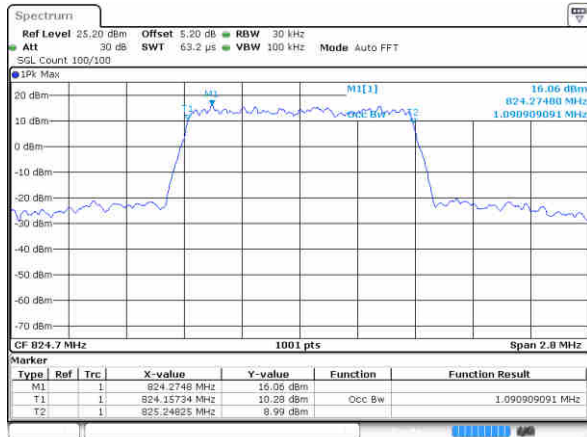
Highest Channel / 20MHz / 64QAM



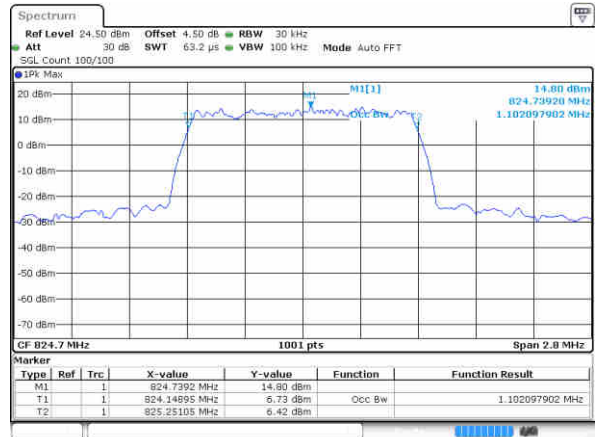


LTE Band 5

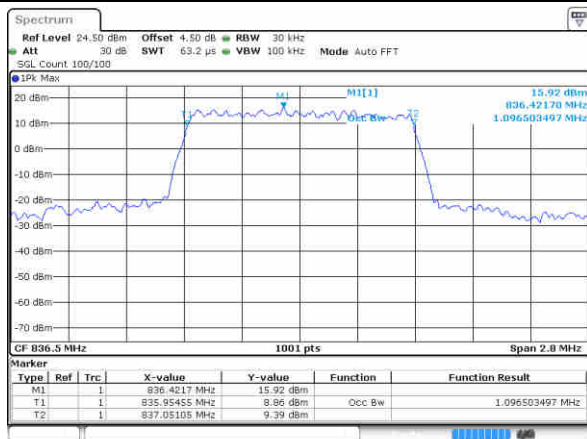
Lowest Channel / 1.4MHz / QPSK



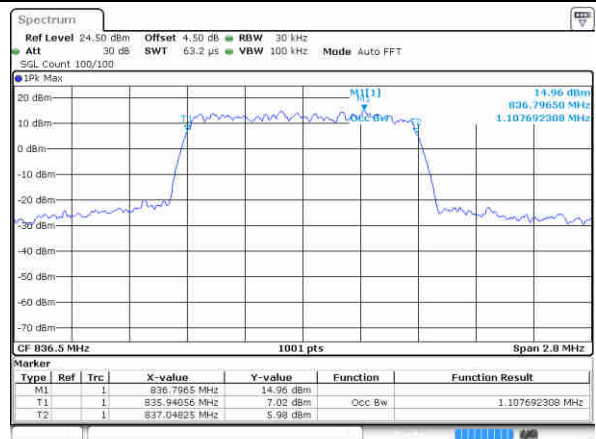
Lowest Channel / 1.4MHz / 16QAM



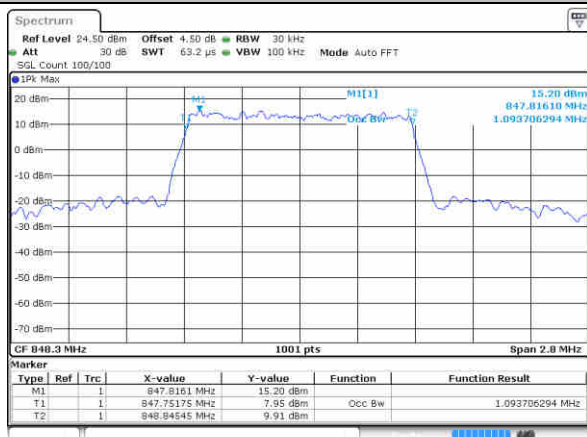
Middle Channel / 1.4MHz / QPSK



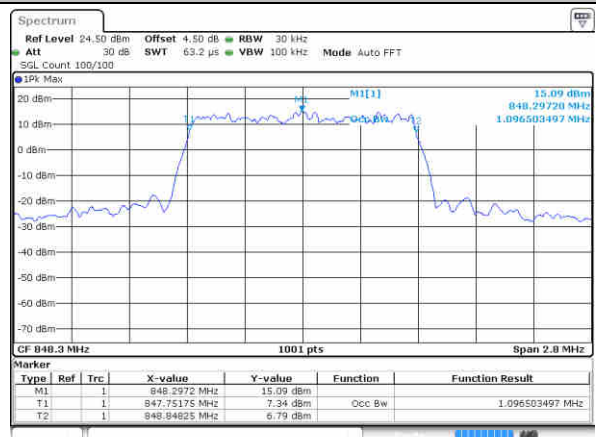
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



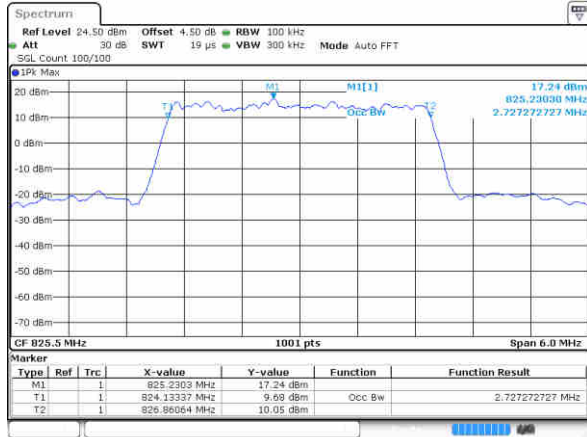
Highest Channel / 1.4MHz / 16QAM



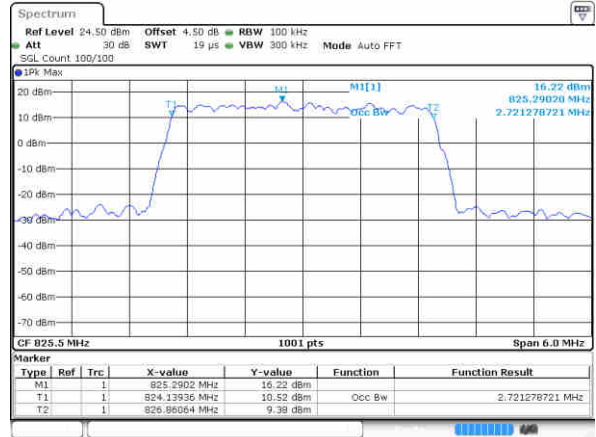


LTE Band 5

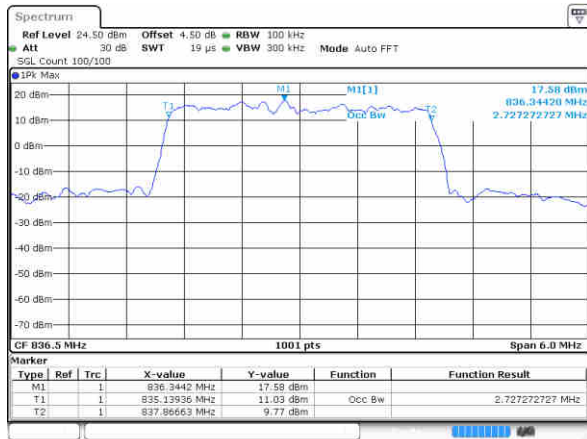
Lowest Channel / 3MHz / QPSK



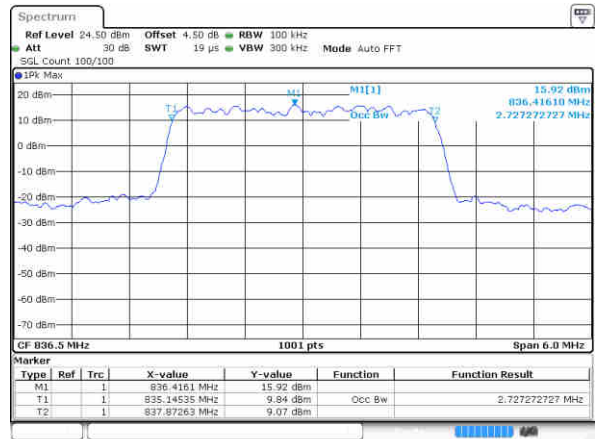
Lowest Channel / 3MHz / 16QAM



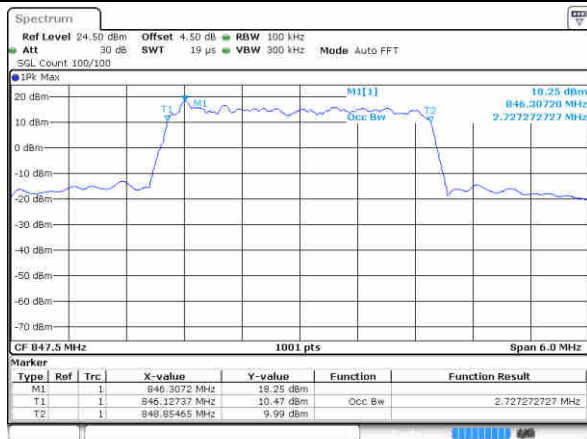
Middle Channel / 3MHz / QPSK



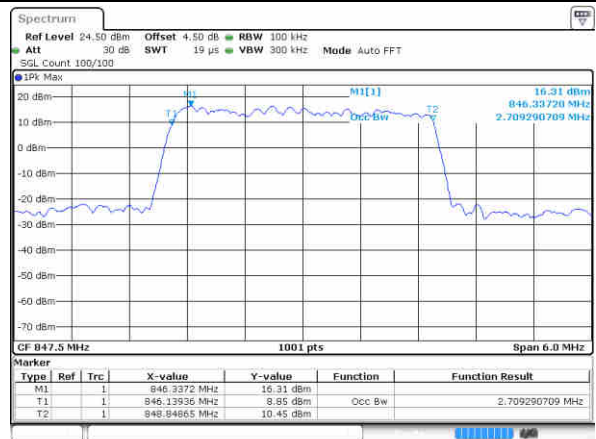
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



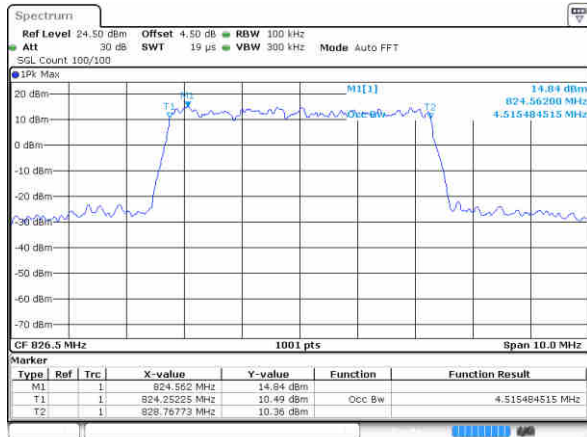
Highest Channel / 3MHz / 16QAM



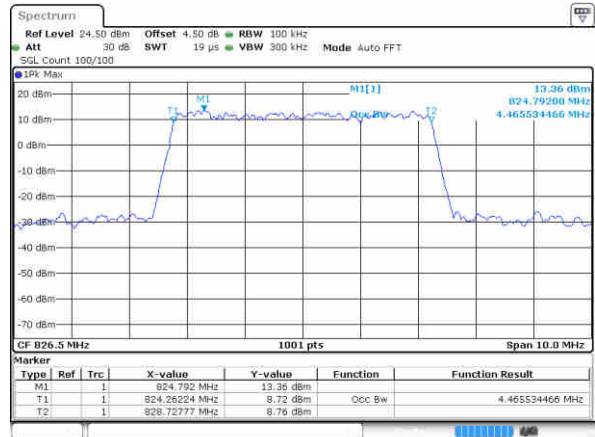


LTE Band 5

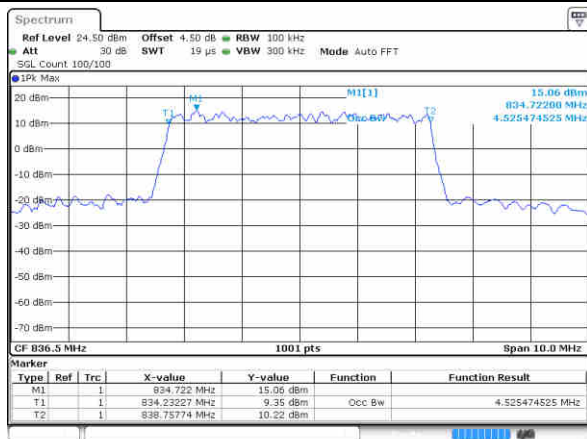
Lowest Channel / 5MHz / QPSK



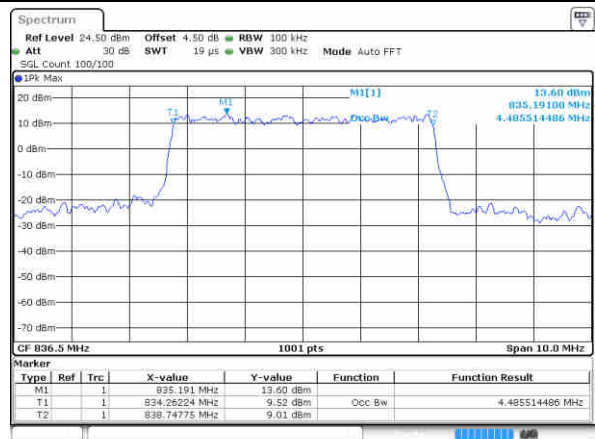
Lowest Channel / 5MHz / 16QAM



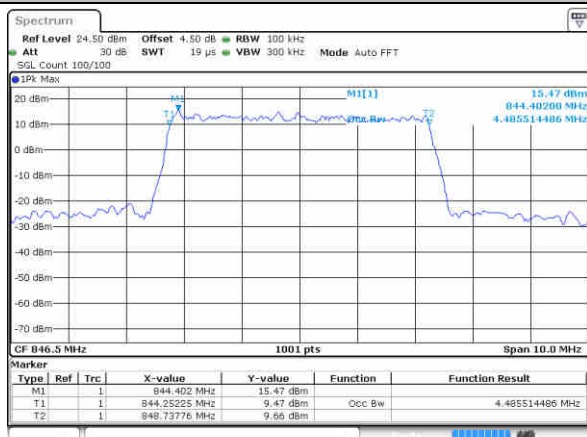
Middle Channel / 5MHz / QPSK



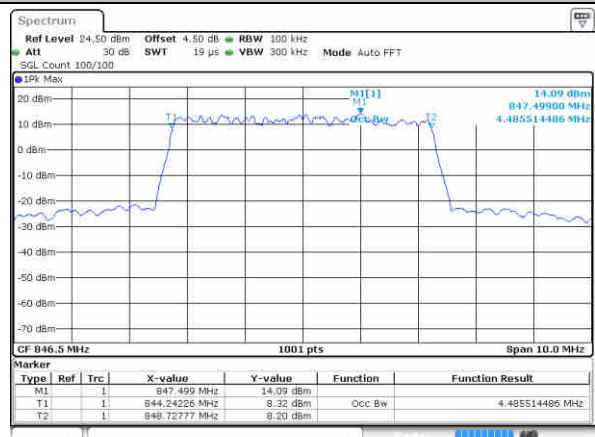
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



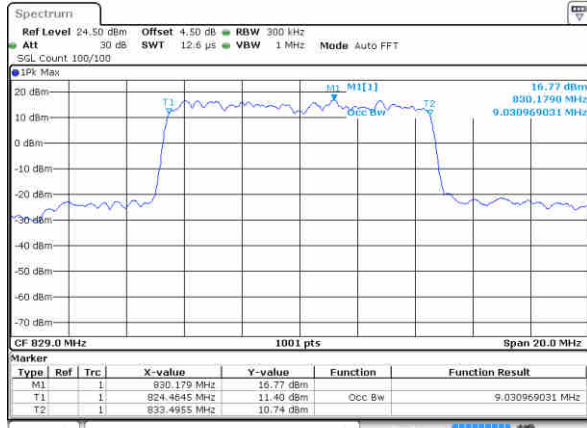
Highest Channel / 5MHz / 16QAM



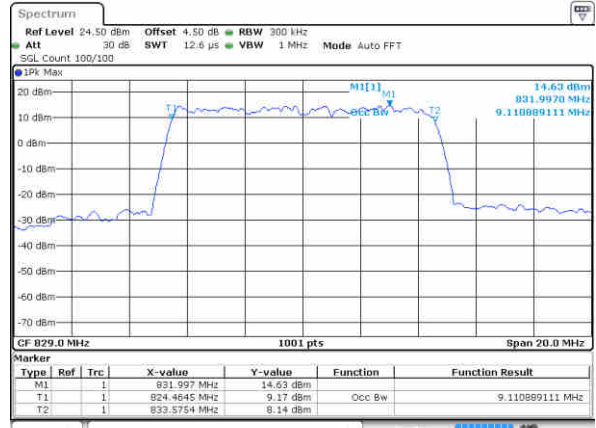


LTE Band 5

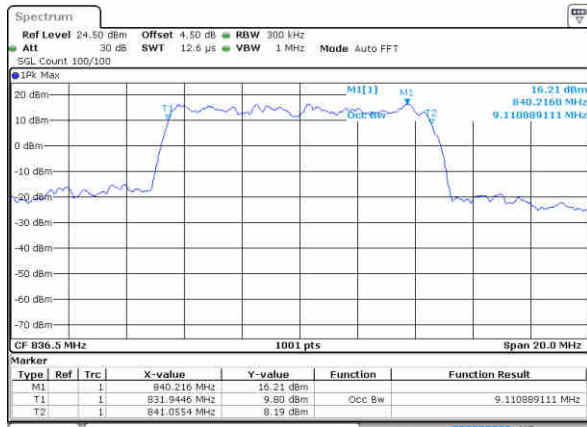
Lowest Channel / 10MHz / QPSK



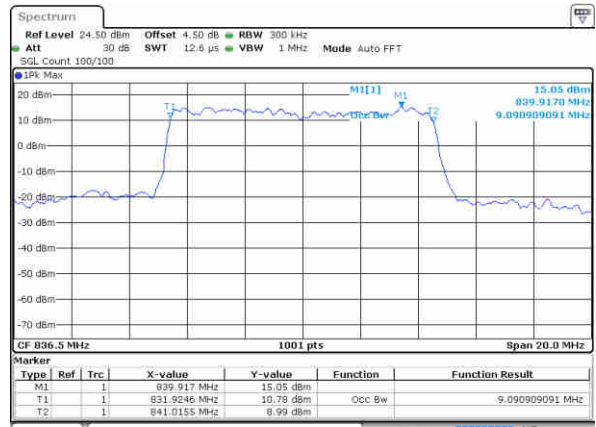
Lowest Channel / 10MHz / 16QAM



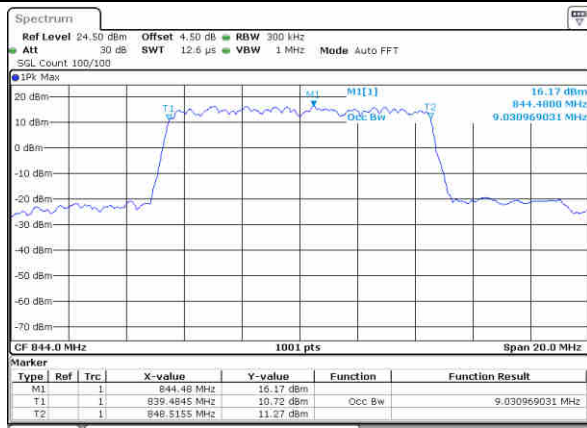
Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



Highest Channel / 10MHz / 16QAM

