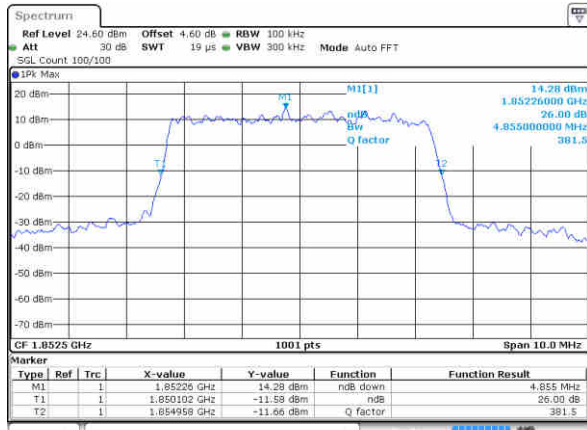


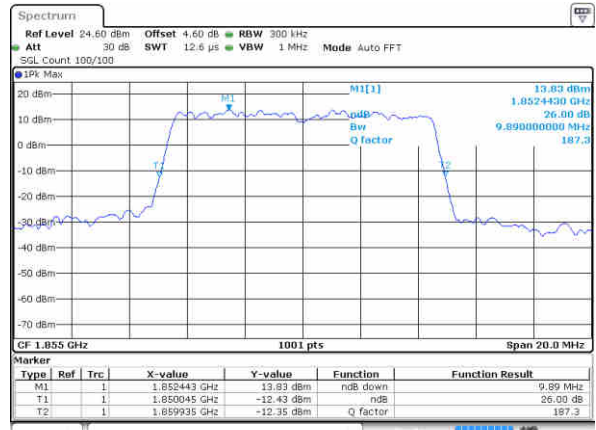


LTE Band 2

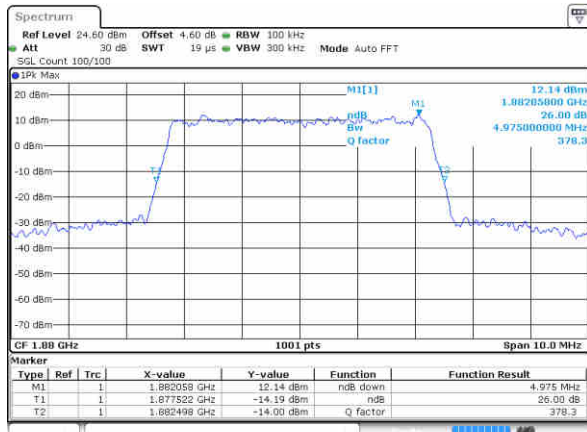
Lowest Channel / 5MHz / 64QAM



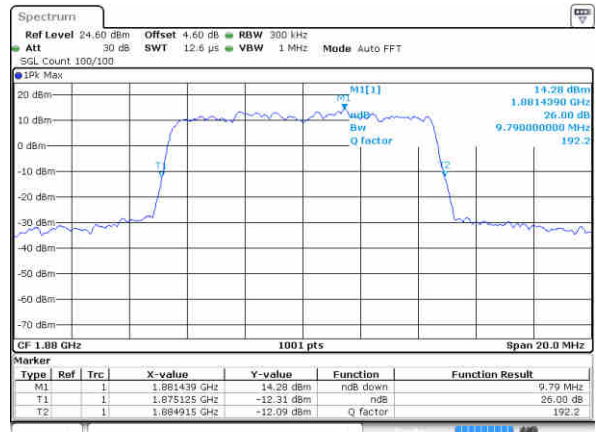
Lowest Channel / 10MHz / 64QAM



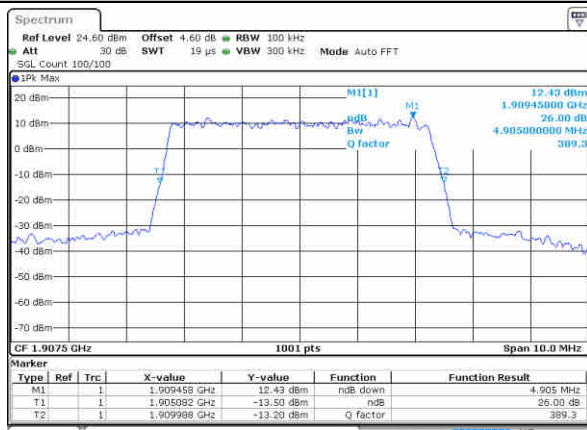
Middle Channel / 5MHz / 64QAM



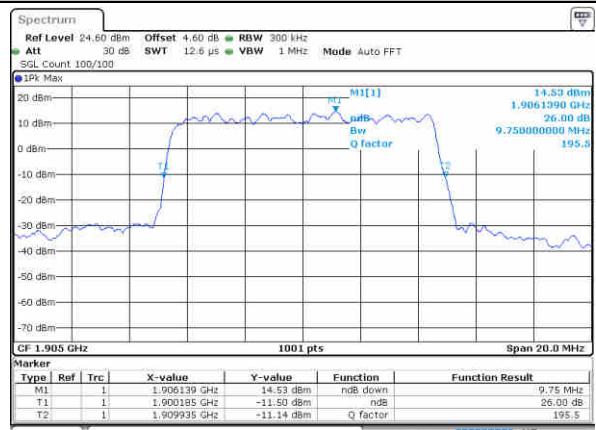
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



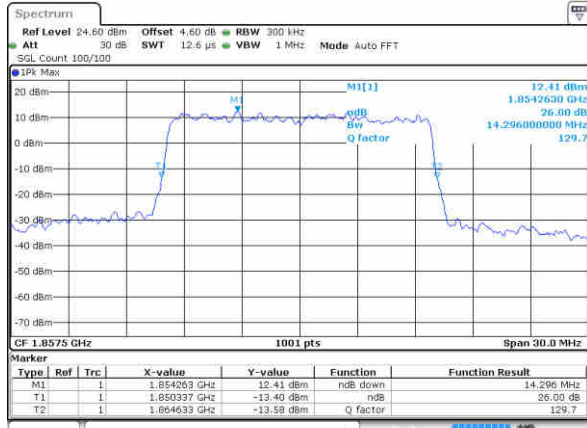
Highest Channel / 10MHz / 64QAM



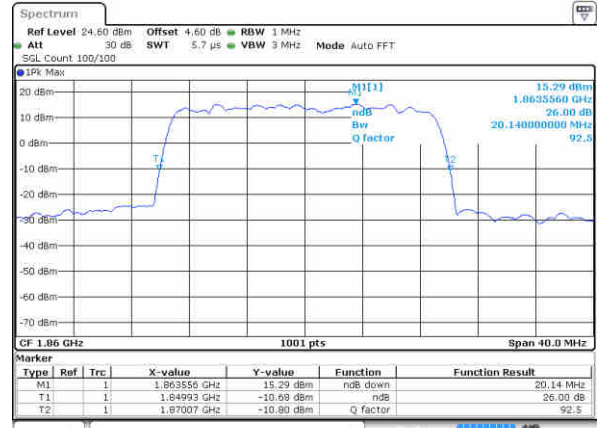


LTE Band 2

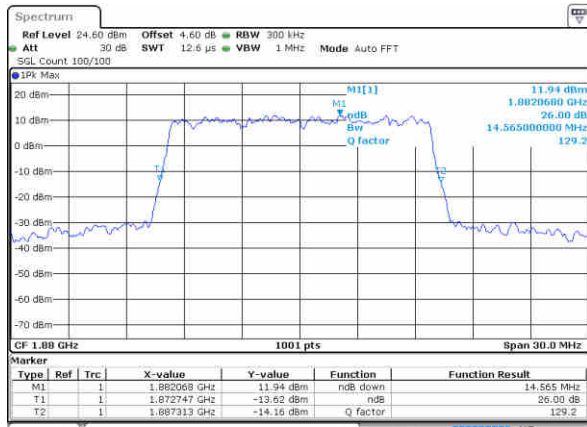
Lowest Channel / 15MHz / 64QAM



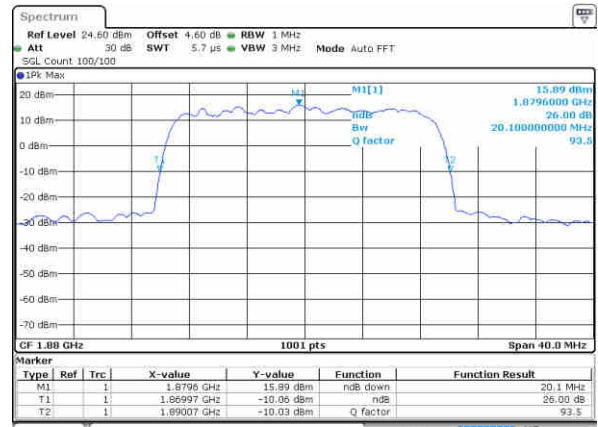
Lowest Channel / 20MHz / 64QAM



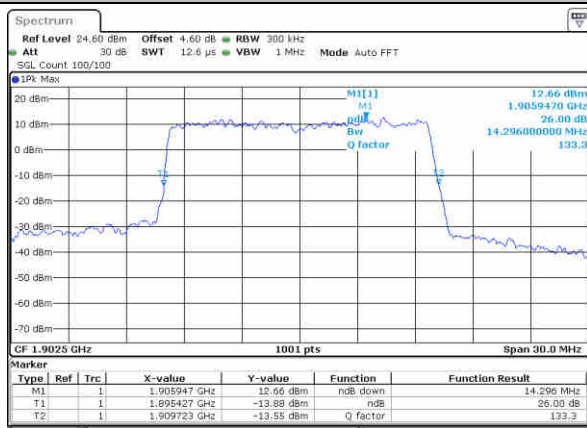
Middle Channel / 15MHz / 64QAM



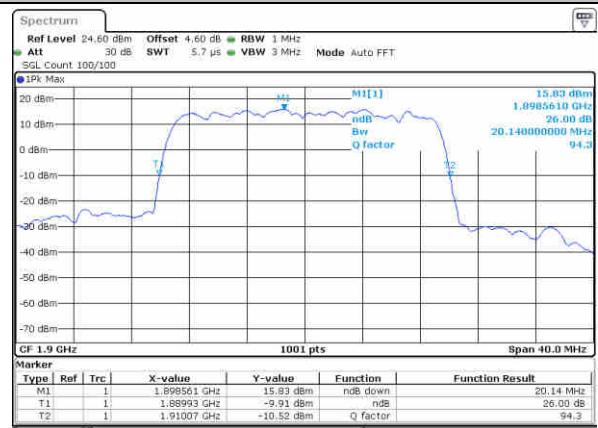
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



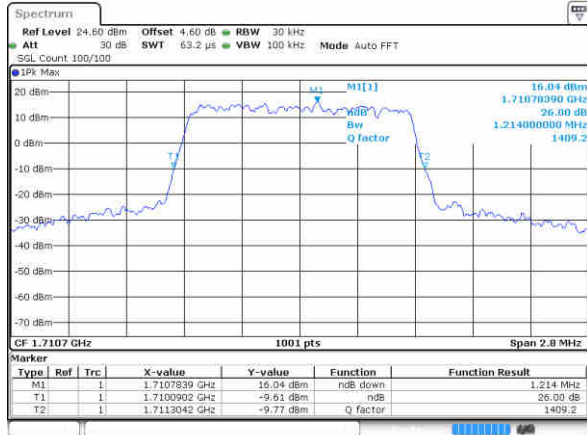
Highest Channel / 20MHz / 64QAM



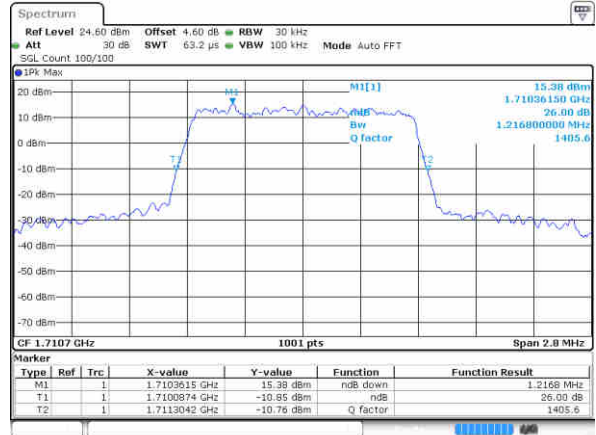


LTE Band 4

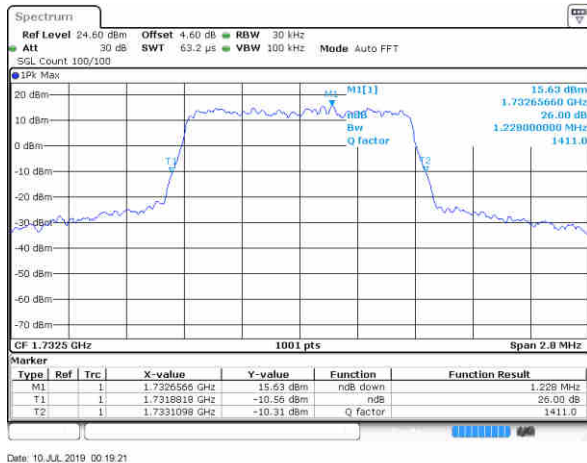
Lowest Channel / 1.4MHz / QPSK



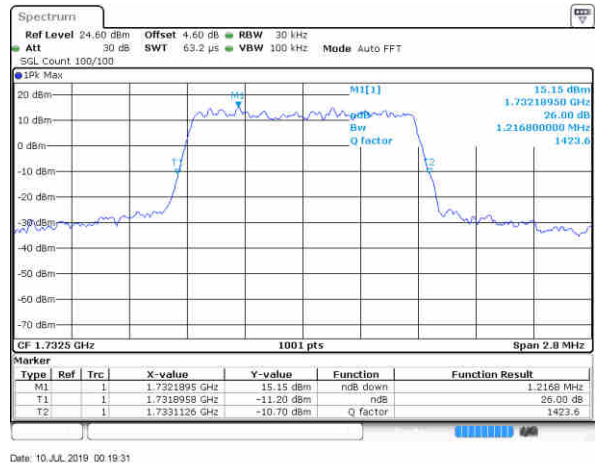
Lowest Channel / 1.4MHz / 16QAM



Middle Channel / 1.4MHz / QPSK



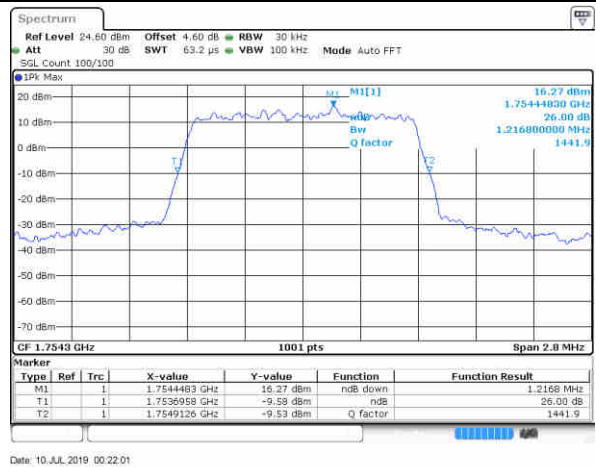
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



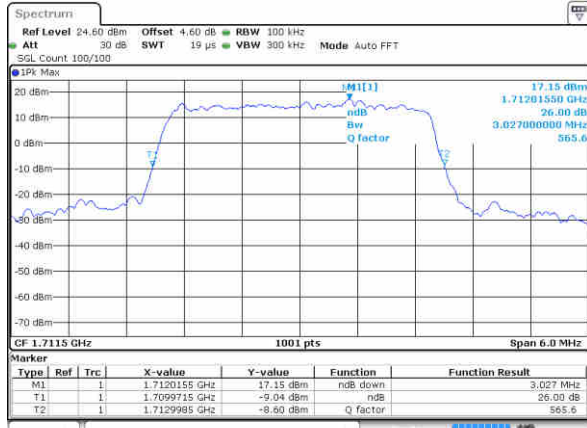
Highest Channel / 1.4MHz / 16QAM





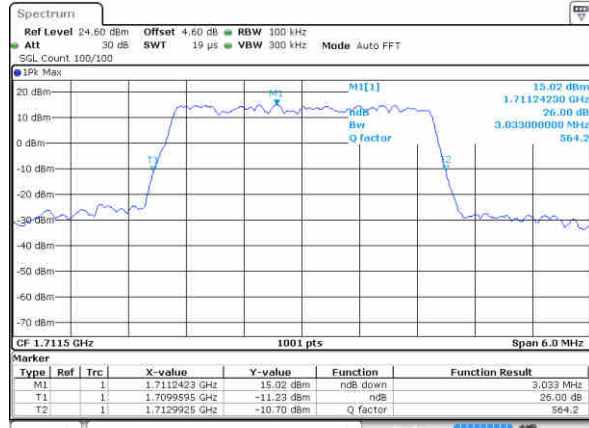
LTE Band 4

Lowest Channel / 3MHz / QPSK



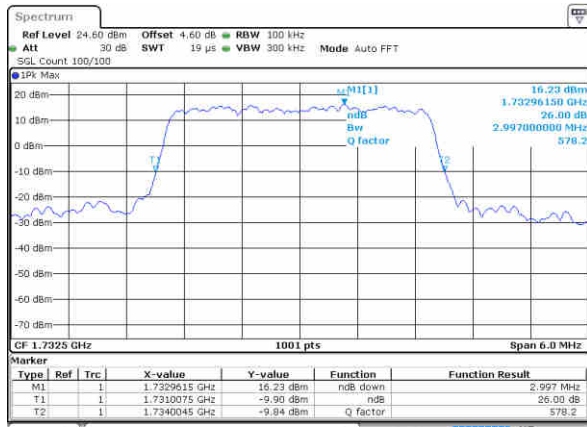
Date: 9 JUL 2019 22:39:11

Lowest Channel / 3MHz / 16QAM



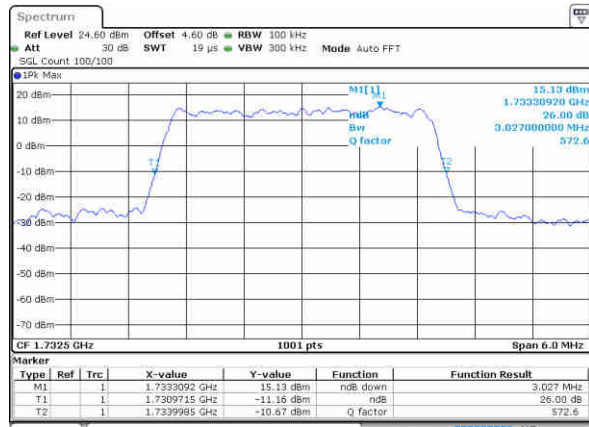
Date: 9 JUL 2019 22:39:21

Middle Channel / 3MHz / QPSK



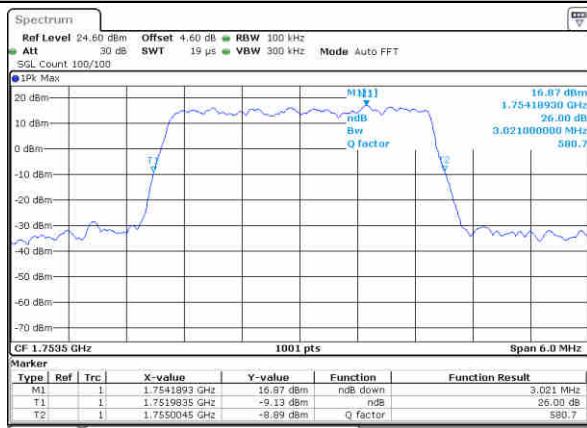
Date: 9 JUL 2019 22:46:11

Middle Channel / 3MHz / 16QAM



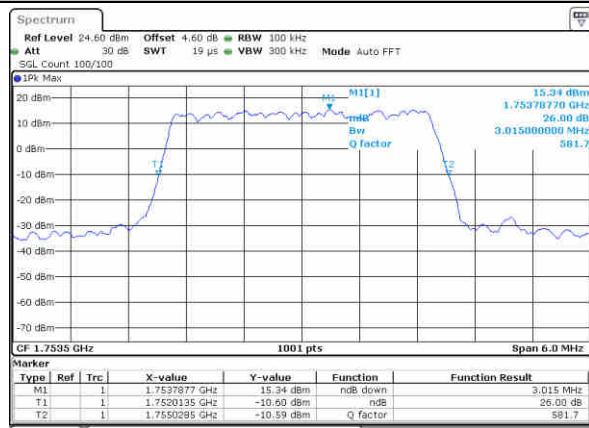
Date: 9 JUL 2019 22:46:21

Highest Channel / 3MHz / QPSK



Date: 9 JUL 2019 22:48:41

Highest Channel / 3MHz / 16QAM

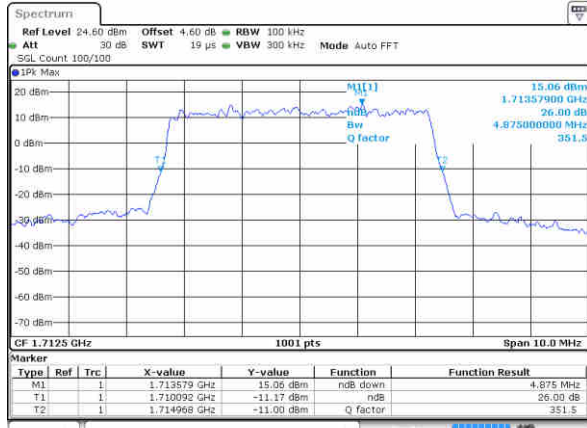


Date: 9 JUL 2019 22:48:51

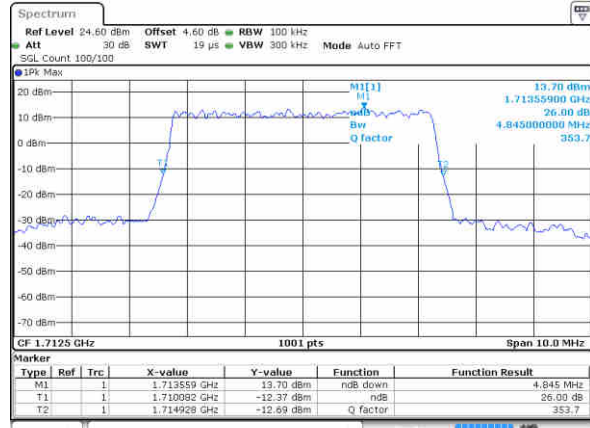


LTE Band 4

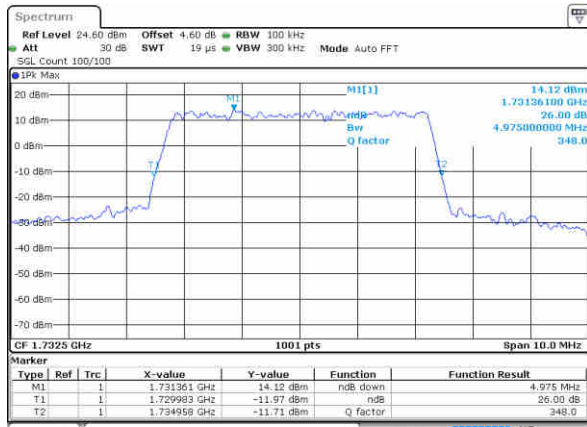
Lowest Channel / 5MHz / QPSK



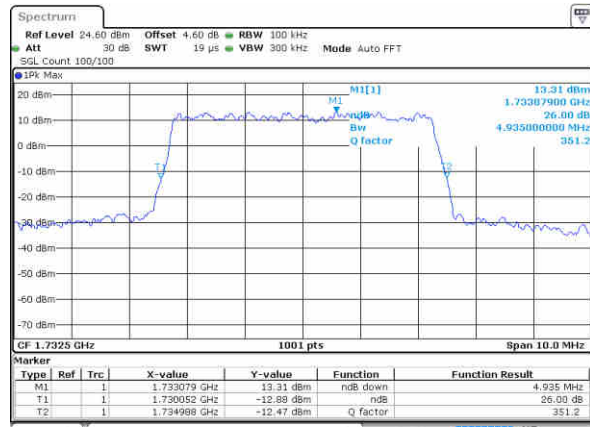
Lowest Channel / 5MHz / 16QAM



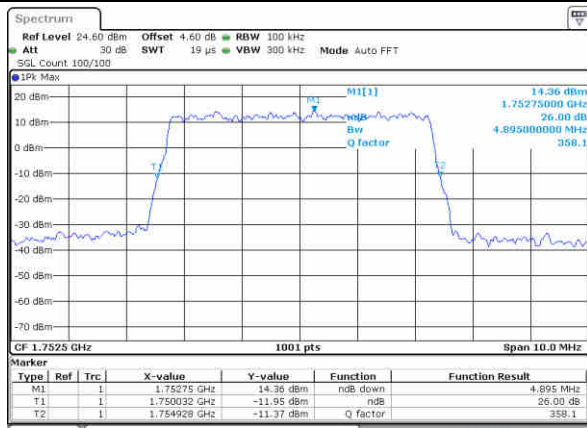
Middle Channel / 5MHz / QPSK



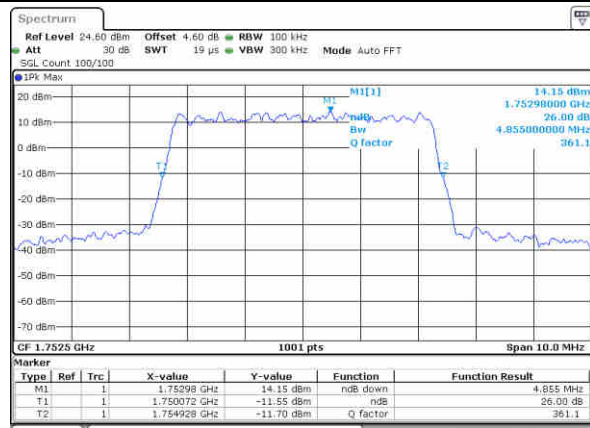
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



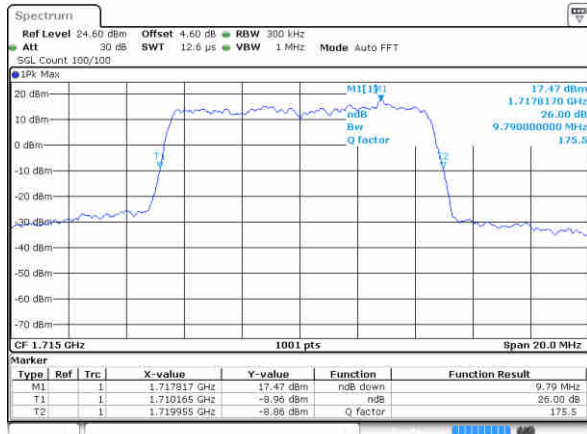
Highest Channel / 5MHz / 16QAM





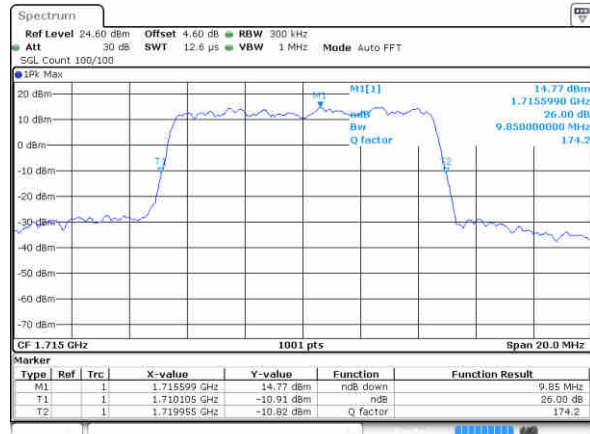
LTE Band 4

Lowest Channel / 10MHz / QPSK



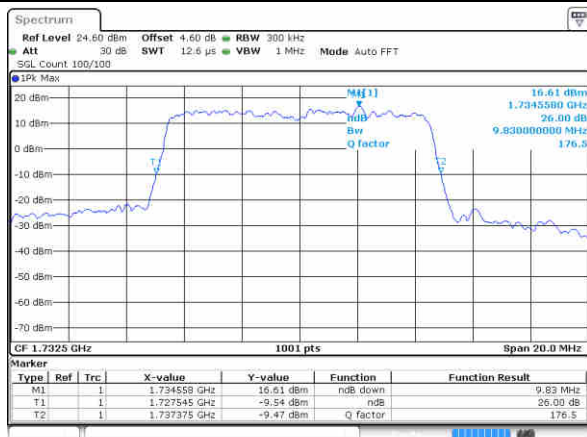
Date: 9 JUL 2019 23:12:11

Lowest Channel / 10MHz / 16QAM



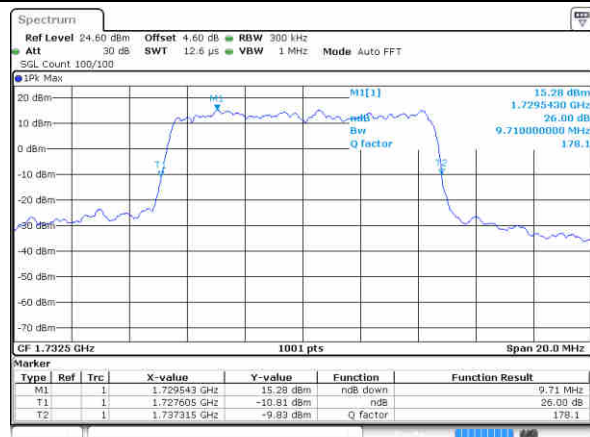
Date: 9 JUL 2019 23:12:21

Middle Channel / 10MHz / QPSK



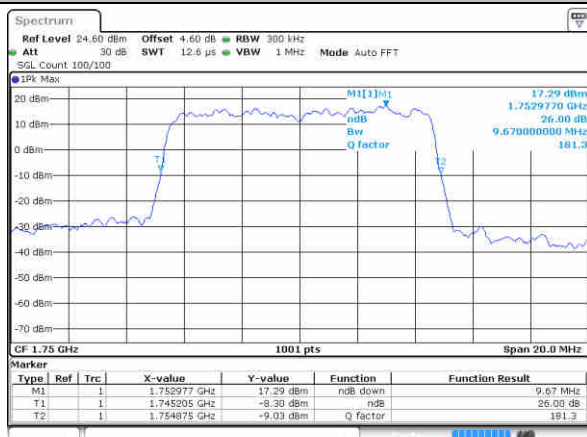
Date: 9 JUL 2019 23:19:11

Middle Channel / 10MHz / 16QAM



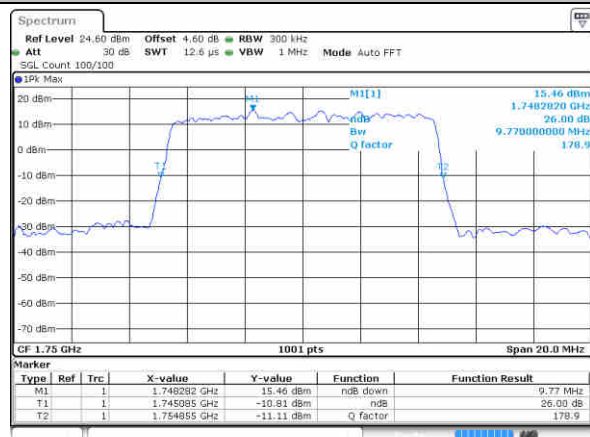
Date: 9 JUL 2019 23:19:21

Highest Channel / 10MHz / QPSK



Date: 9 JUL 2019 23:21:41

Highest Channel / 10MHz / 16QAM

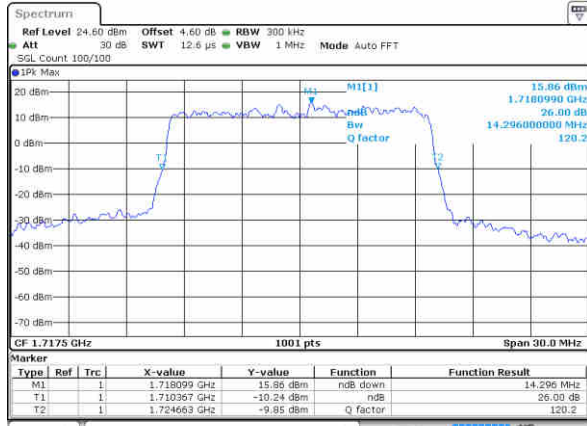


Date: 9 JUL 2019 23:21:51



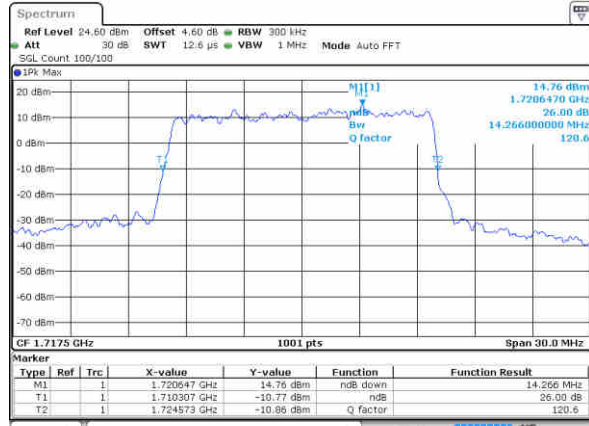
LTE Band 4

Lowest Channel / 15MHz / QPSK



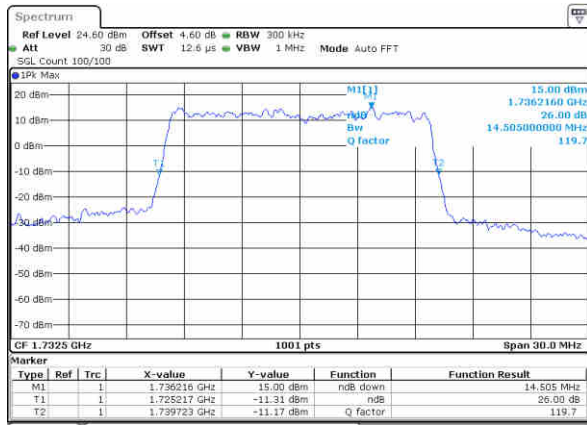
Date: 9 JUL 2019 23:28:41

Lowest Channel / 15MHz / 16QAM



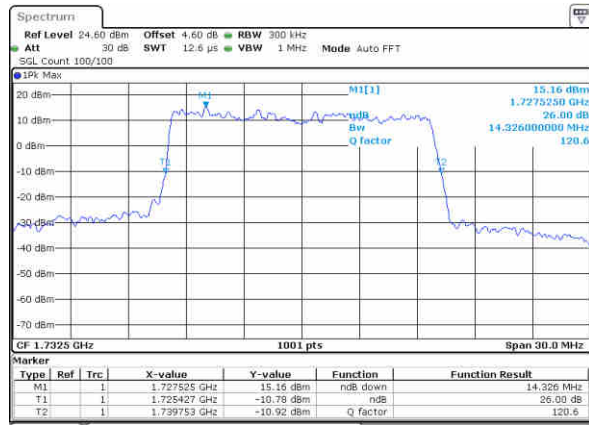
Date: 9 JUL 2019 23:28:51

Middle Channel / 15MHz / QPSK



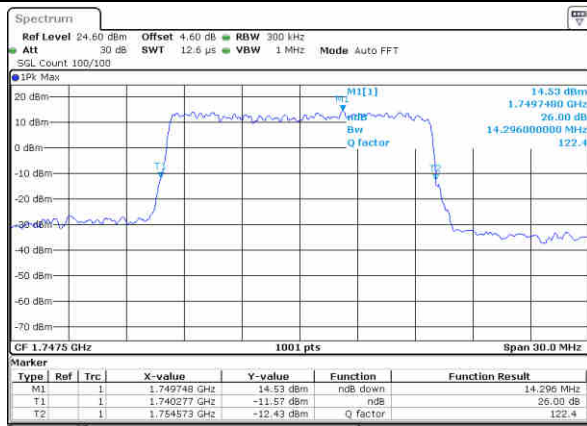
Date: 9 JUL 2019 23:35:41

Middle Channel / 15MHz / 16QAM



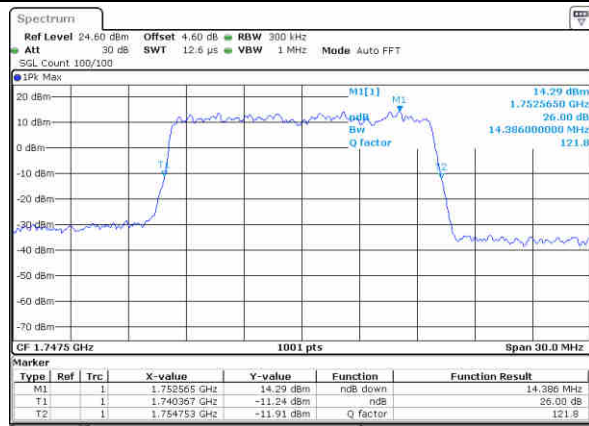
Date: 9 JUL 2019 23:35:51

Highest Channel / 15MHz / QPSK



Date: 9 JUL 2019 23:38:11

Highest Channel / 15MHz / 16QAM

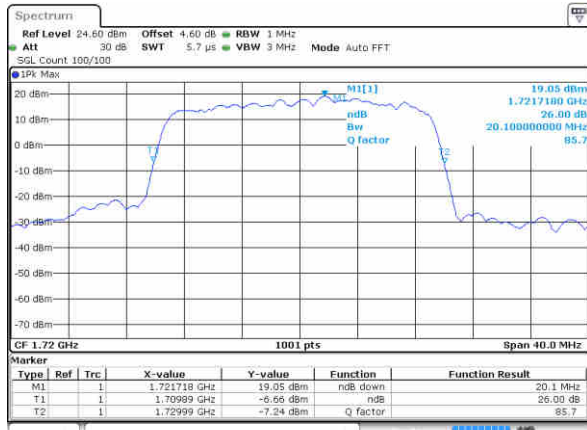


Date: 9 JUL 2019 23:38:21

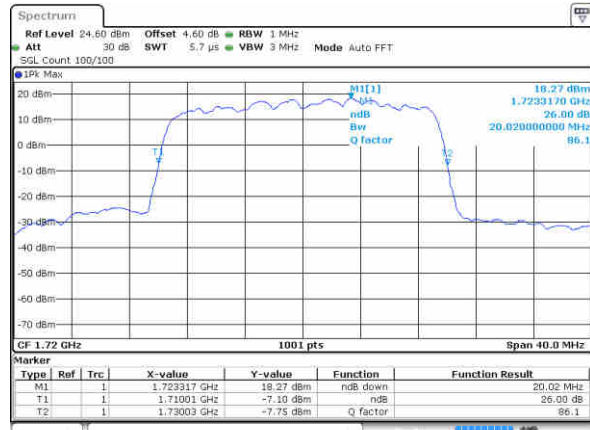


LTE Band 4

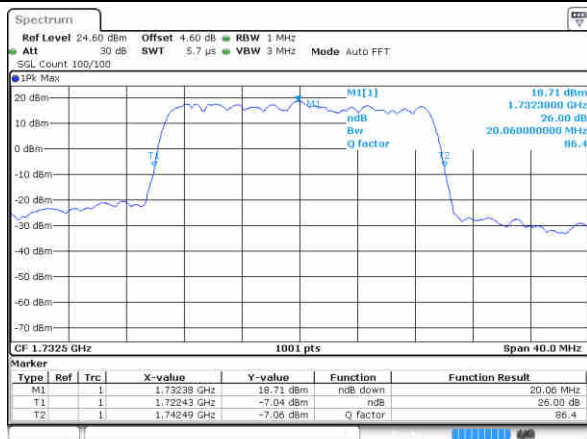
Lowest Channel / 20MHz / QPSK



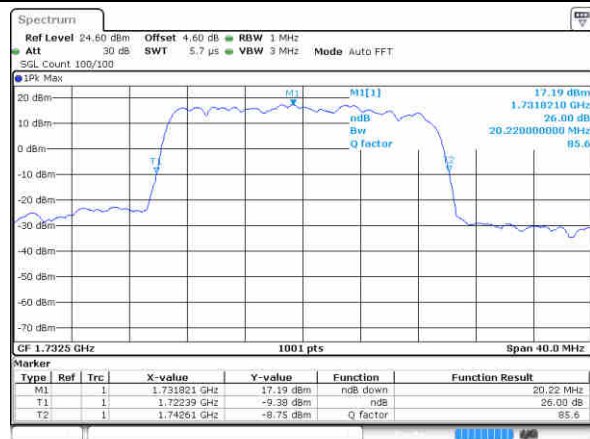
Lowest Channel / 20MHz / 16QAM



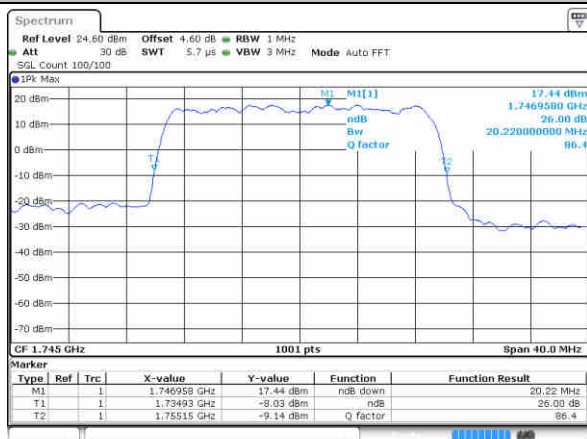
Middle Channel / 20MHz / QPSK



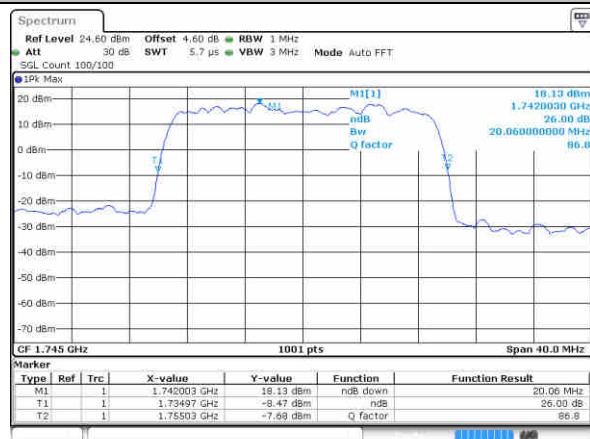
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



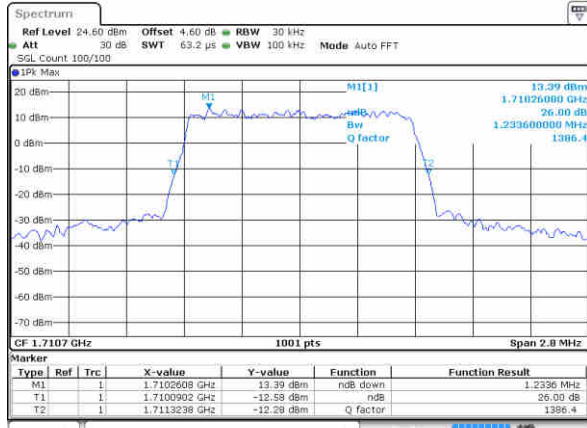
Highest Channel / 20MHz / 16QAM





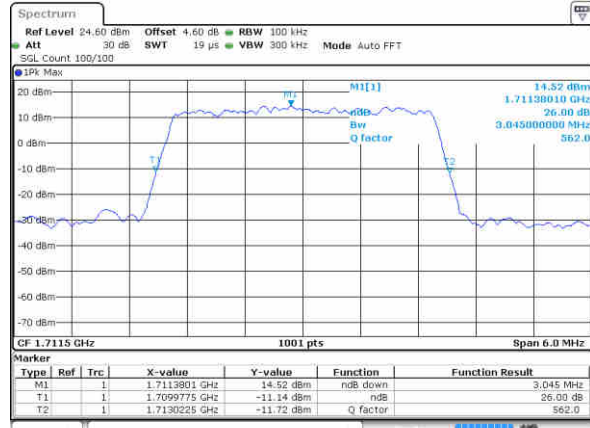
LTE Band 4

Lowest Channel / 1.4MHz / 64QAM



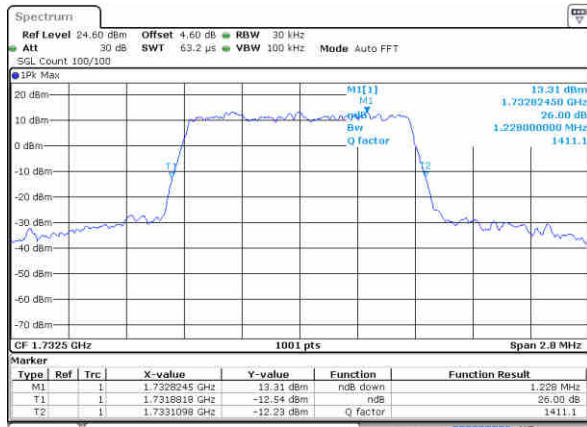
Date: 10 JUL 2019 00:28:58

Lowest Channel / 3MHz / 64QAM



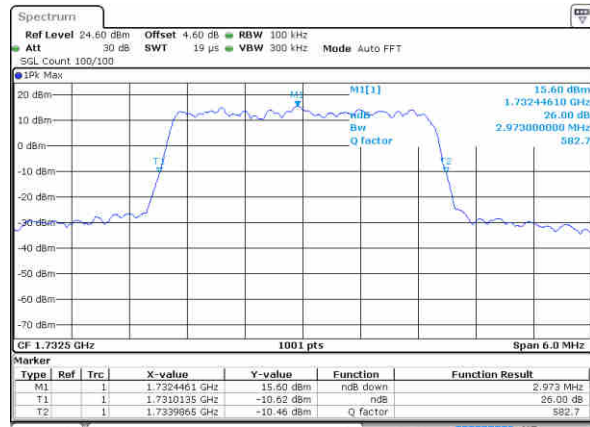
Date: 10 JUL 2019 00:37:13

Middle Channel / 1.4MHz / 64QAM



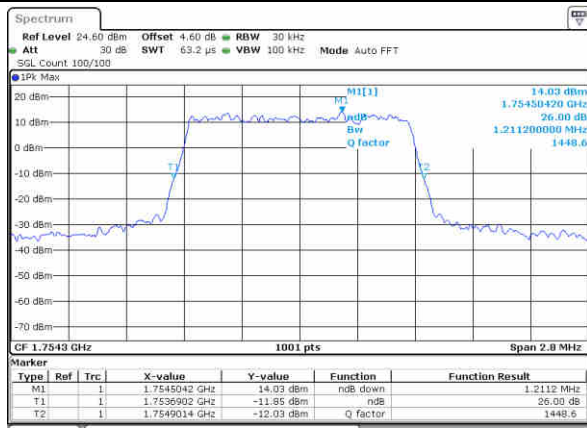
Date: 10 JUL 2019 00:32:28

Middle Channel / 3MHz / 64QAM



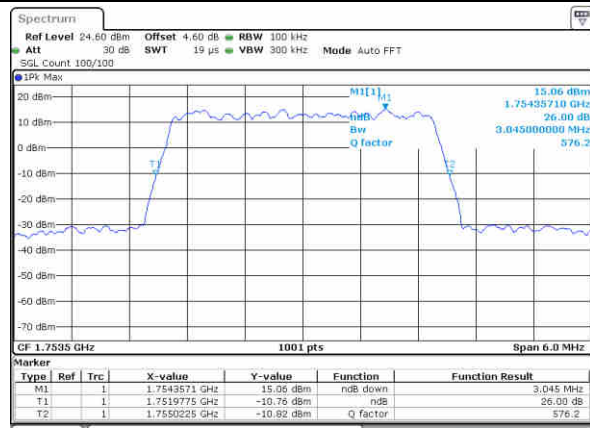
Date: 10 JUL 2019 00:40:43

Highest Channel / 1.4MHz / 64QAM



Date: 10 JUL 2019 00:33:43

Highest Channel / 3MHz / 64QAM

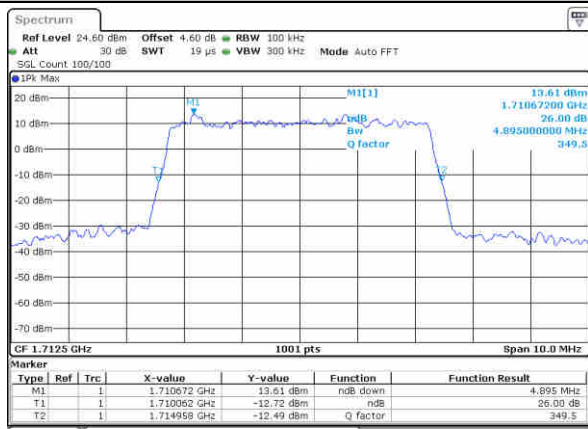


Date: 10 JUL 2019 00:41:58

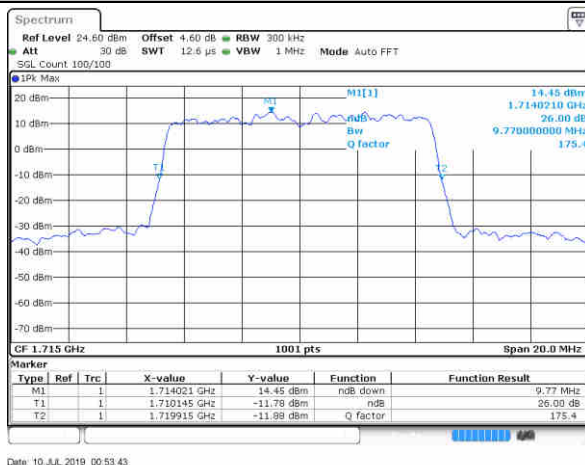


LTE Band 4

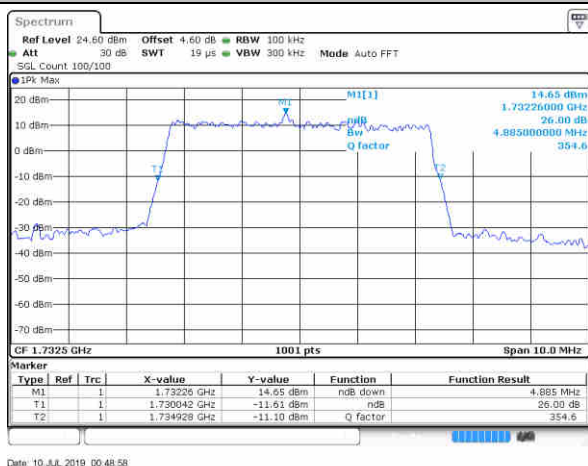
Lowest Channel / 5MHz / 64QAM



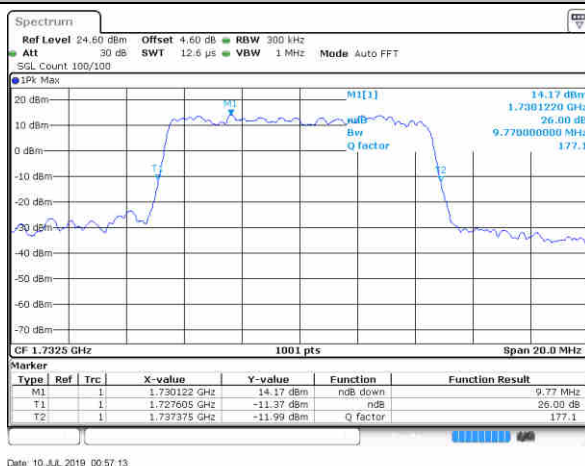
Lowest Channel / 10MHz / 64QAM



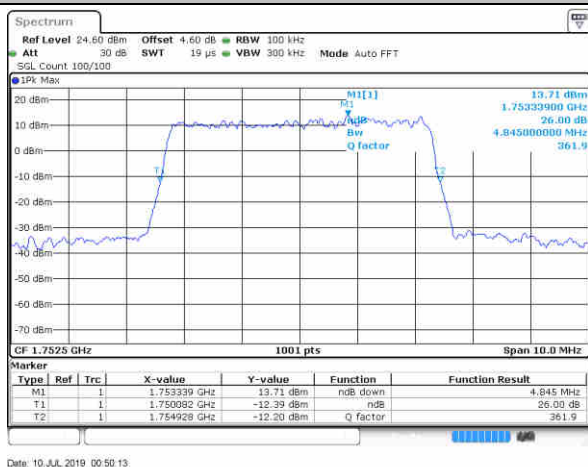
Middle Channel / 5MHz / 64QAM



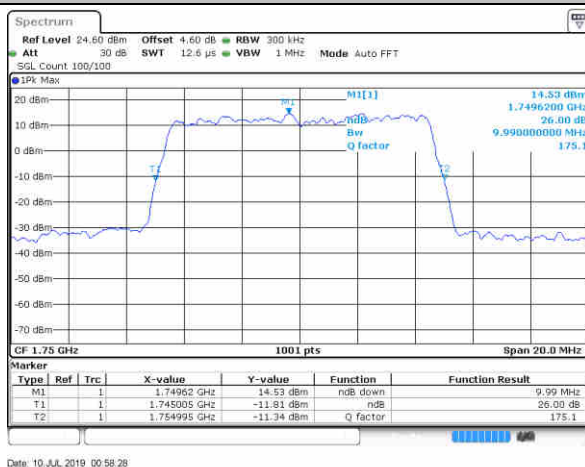
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



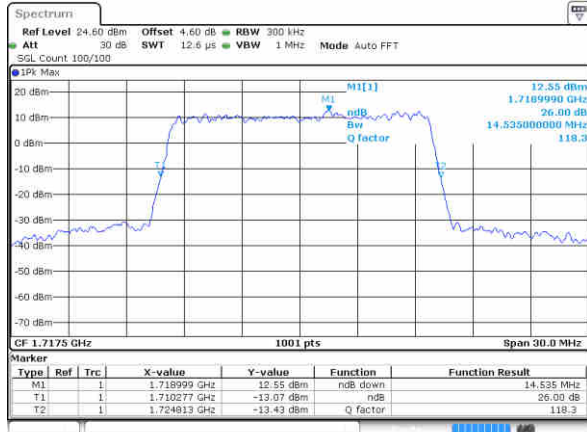
Highest Channel / 10MHz / 64QAM



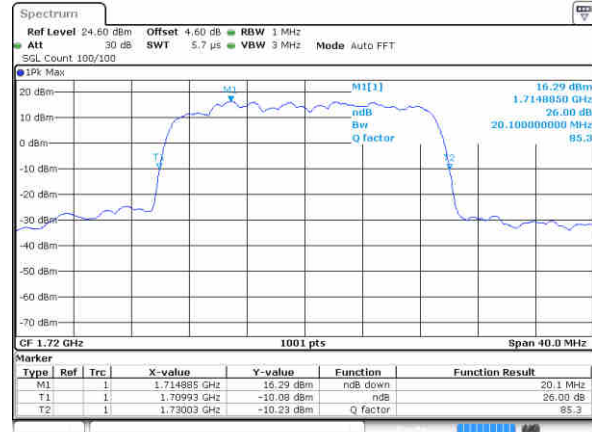


LTE Band 4

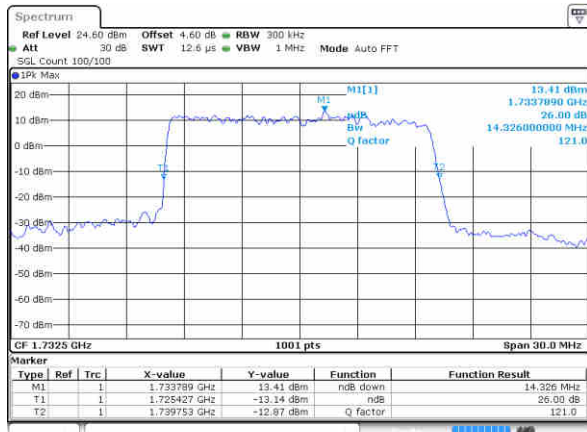
Lowest Channel / 15MHz / 64QAM



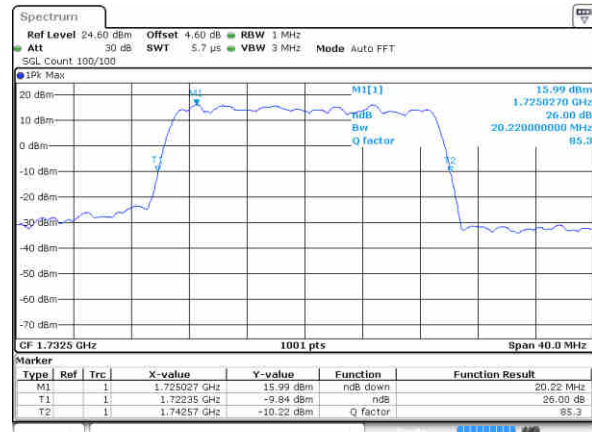
Lowest Channel / 20MHz / 64QAM



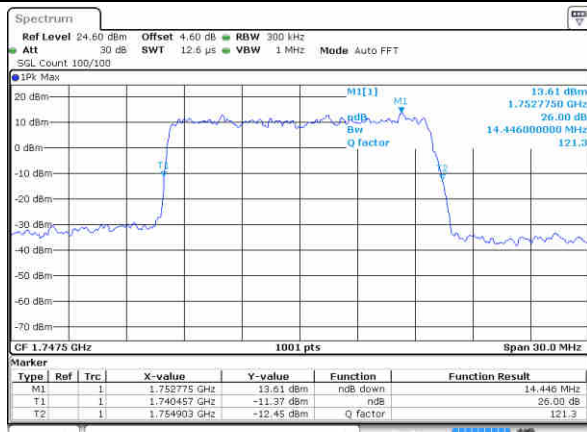
Middle Channel / 15MHz / 64QAM



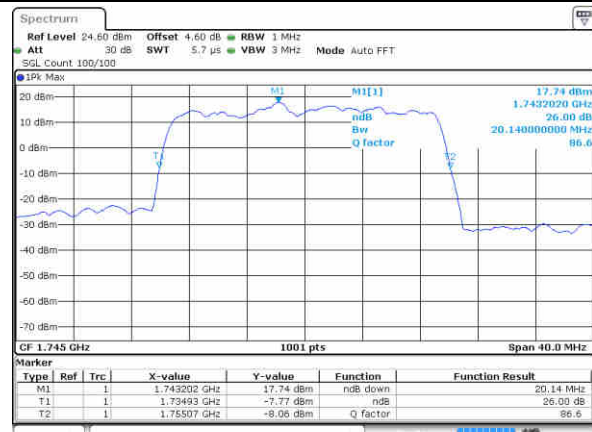
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



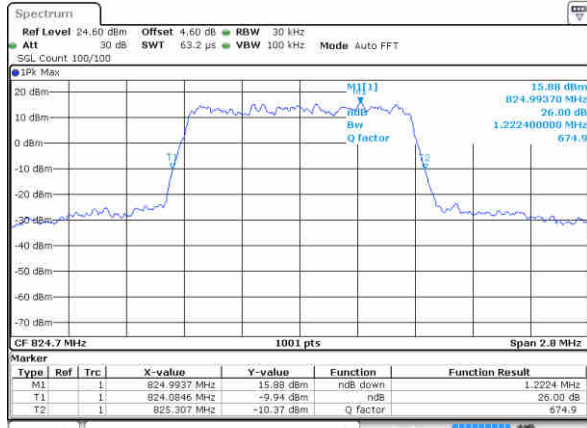
Highest Channel / 20MHz / 64QAM





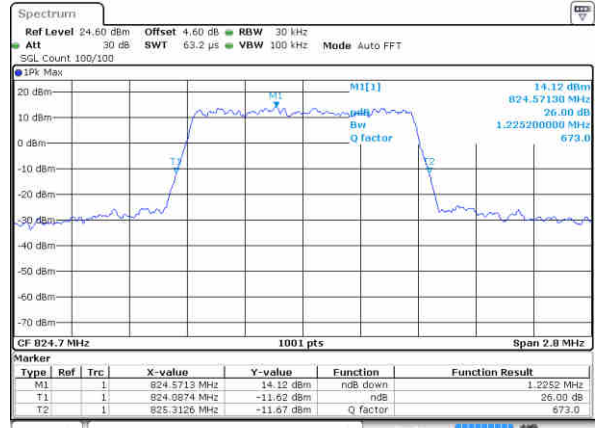
LTE Band 5

Lowest Channel / 1.4MHz / QPSK



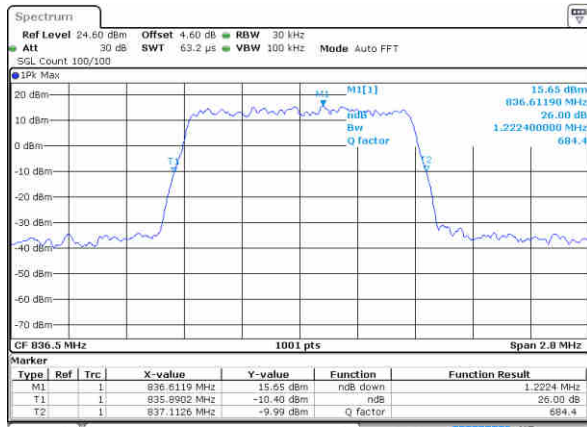
Date: 10 JUL 2019 01:36:48

Lowest Channel / 1.4MHz / 16QAM



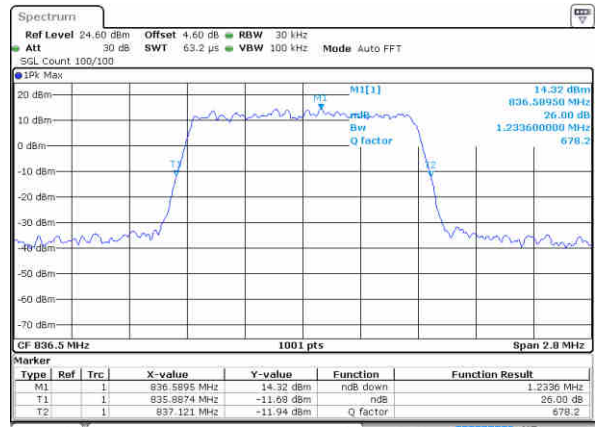
Date: 10 JUL 2019 01:36:38

Middle Channel / 1.4MHz / QPSK



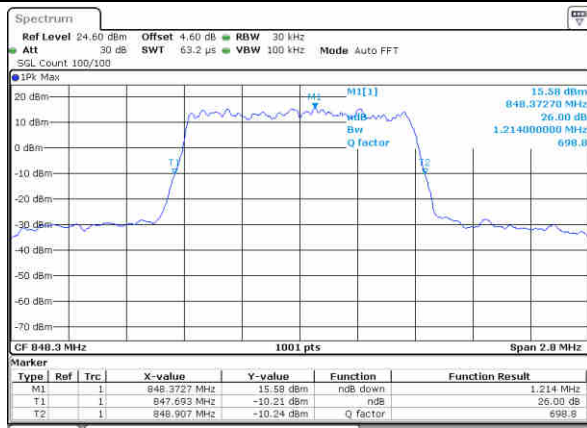
Date: 10 JUL 2019 01:45:37

Middle Channel / 1.4MHz / 16QAM



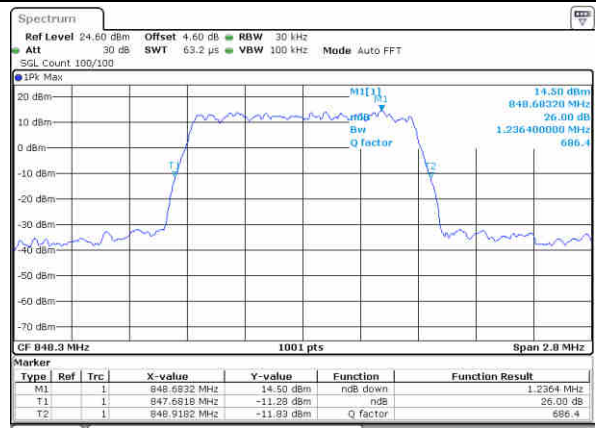
Date: 10 JUL 2019 01:45:47

Highest Channel / 1.4MHz / QPSK



Date: 10 JUL 2019 01:48:07

Highest Channel / 1.4MHz / 16QAM

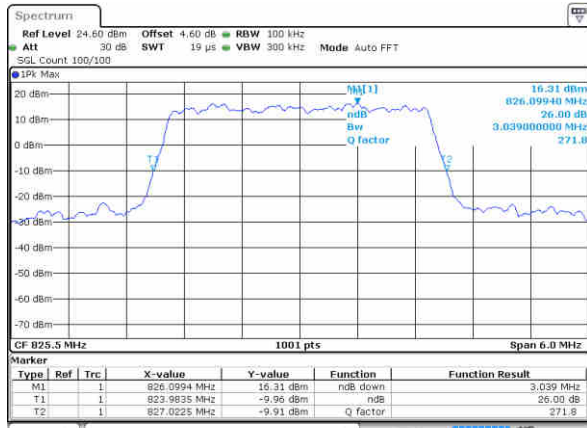


Date: 10 JUL 2019 01:48:17



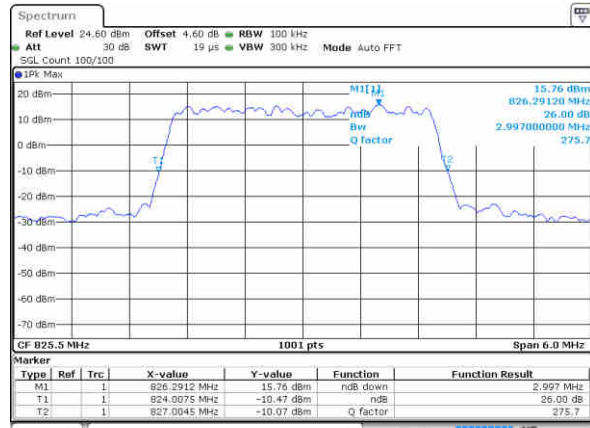
LTE Band 5

Lowest Channel / 3MHz / QPSK



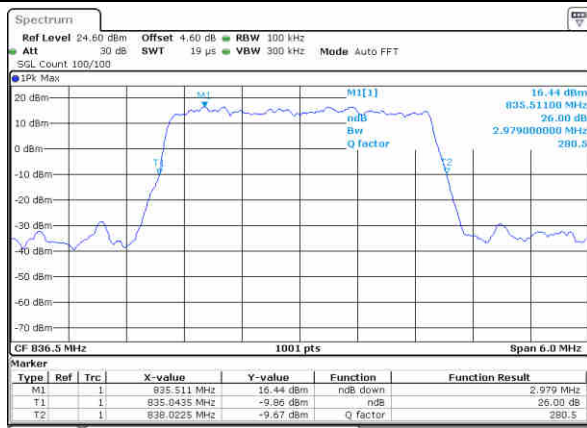
Date: 10 JUL 2019 01:57:06

Lowest Channel / 3MHz / 16QAM



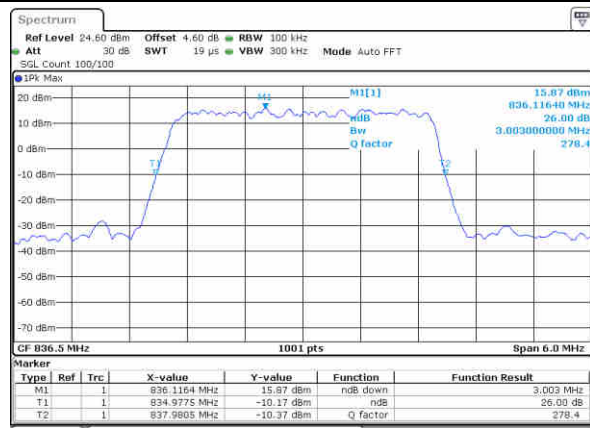
Date: 10 JUL 2019 01:57:16

Middle Channel / 3MHz / QPSK



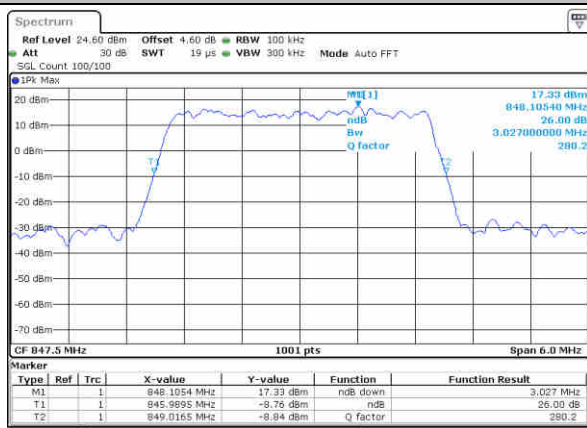
Date: 10 JUL 2019 02:06:06

Middle Channel / 3MHz / 16QAM



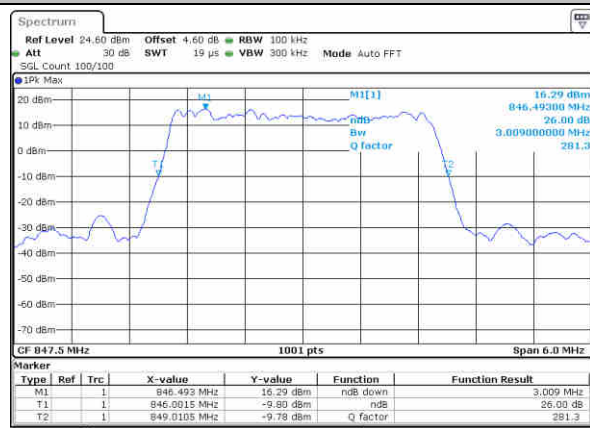
Date: 10 JUL 2019 02:06:16

Highest Channel / 3MHz / QPSK



Date: 10 JUL 2019 02:08:36

Highest Channel / 3MHz / 16QAM

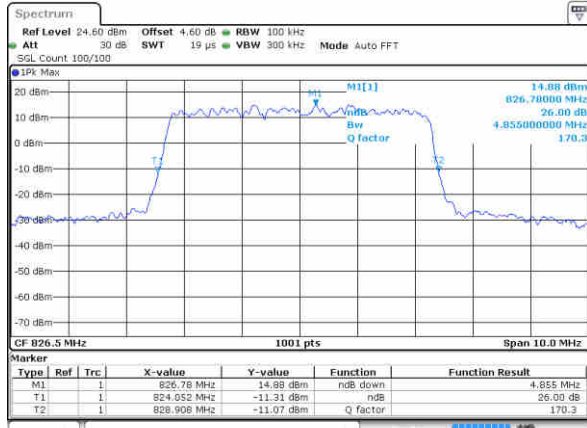


Date: 10 JUL 2019 02:08:46



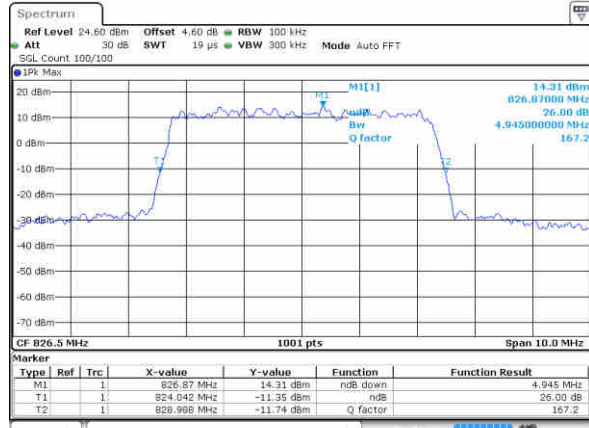
LTE Band 5

Lowest Channel / 5MHz / QPSK



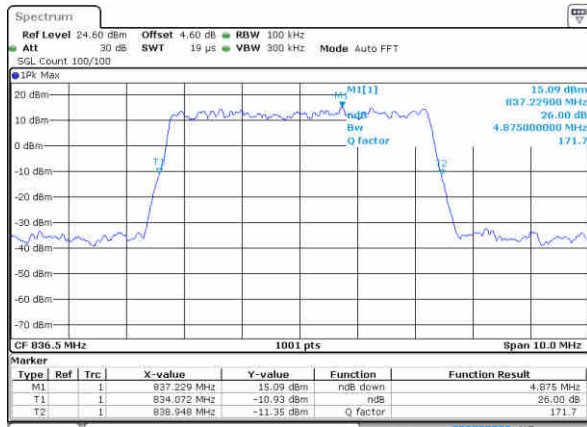
Date: 10 JUL 2019 02:17:36

Lowest Channel / 5MHz / 16QAM



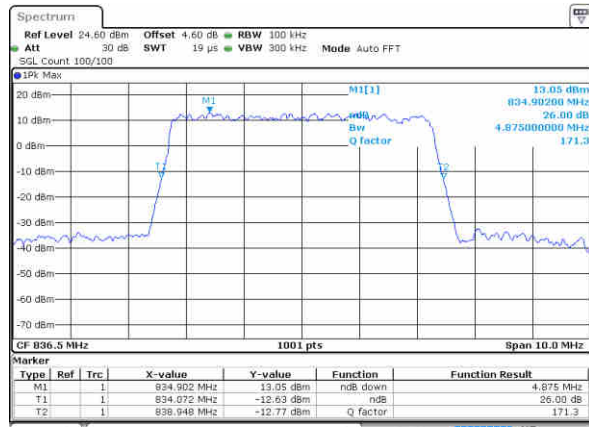
Date: 10 JUL 2019 02:17:46

Middle Channel / 5MHz / QPSK



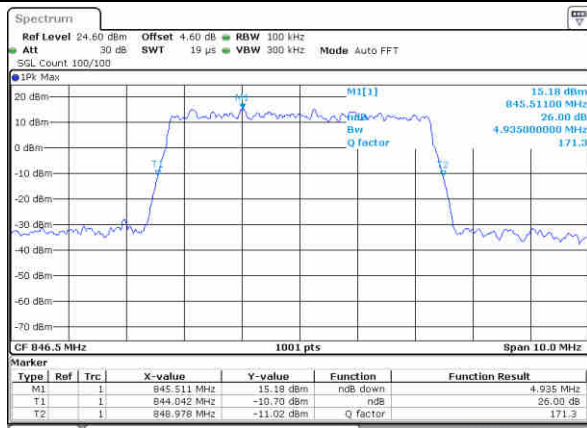
Date: 10 JUL 2019 02:26:36

Middle Channel / 5MHz / 16QAM



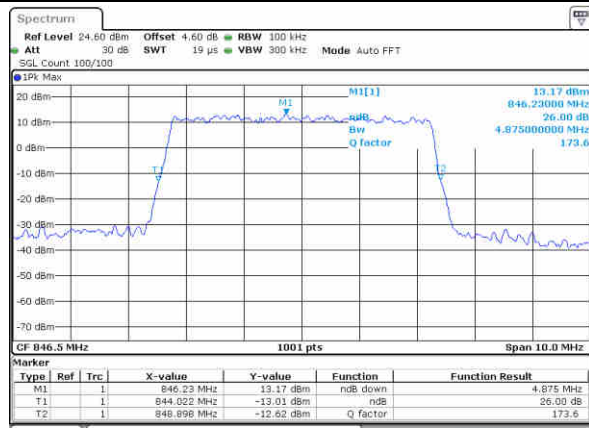
Date: 10 JUL 2019 02:26:46

Highest Channel / 5MHz / QPSK



Date: 10 JUL 2019 02:29:05

Highest Channel / 5MHz / 16QAM

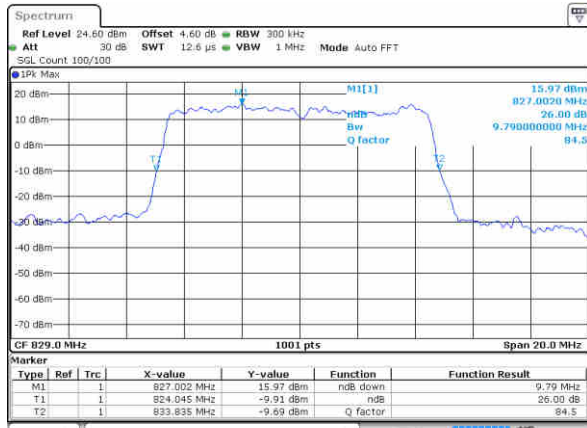


Date: 10 JUL 2019 02:29:15

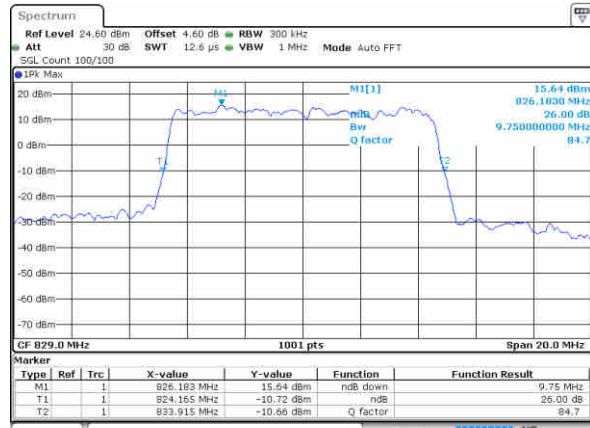


LTE Band 5

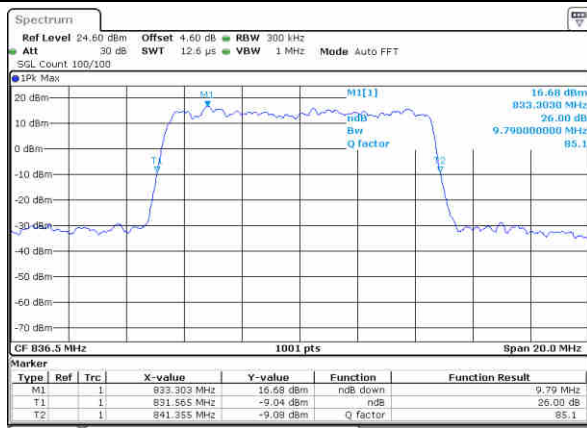
Lowest Channel / 10MHz / QPSK



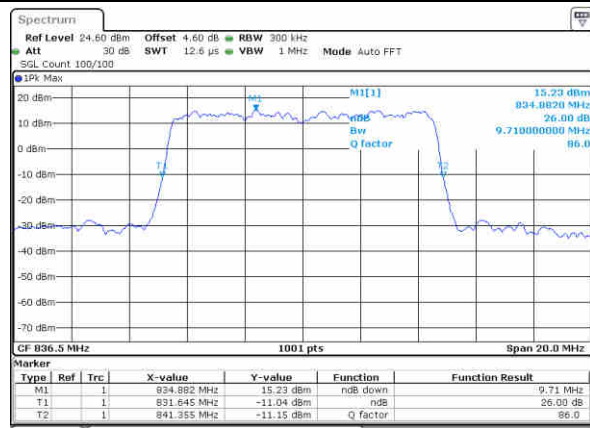
Lowest Channel / 10MHz / 16QAM



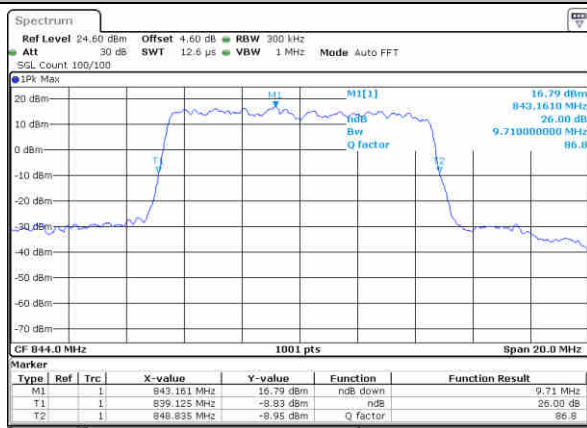
Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



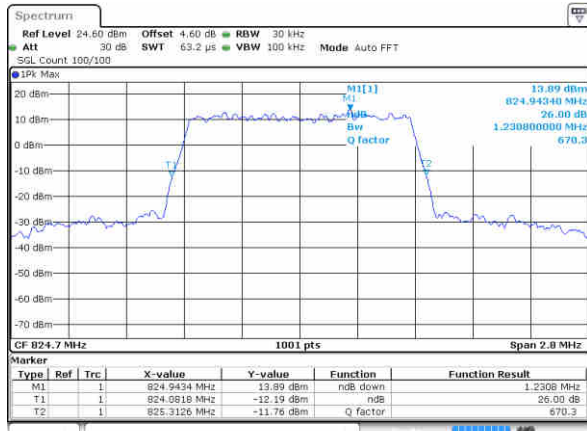
Highest Channel / 10MHz / 16QAM





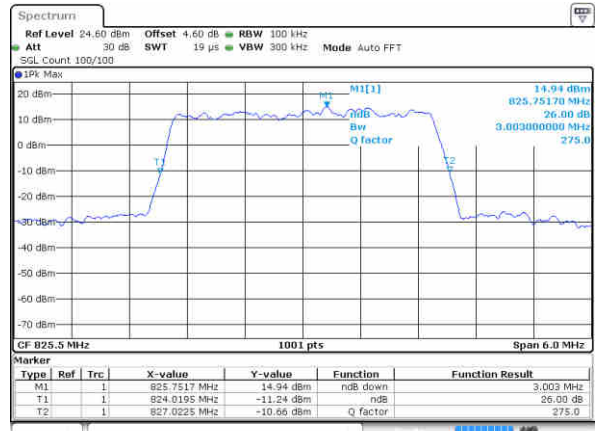
LTE Band 5

Lowest Channel / 1.4MHz / 64QAM



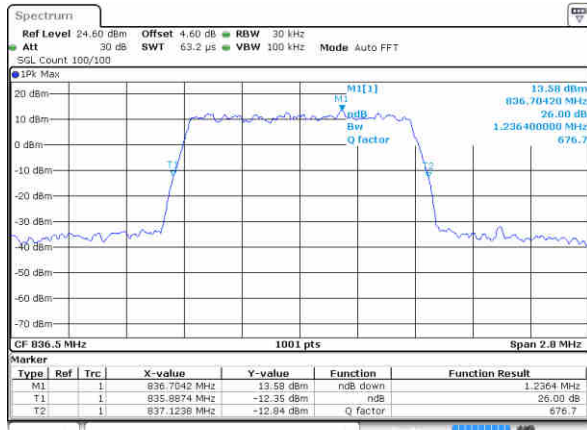
Date: 10 JUL 2019 04:34:51

Lowest Channel / 3MHz / 64QAM



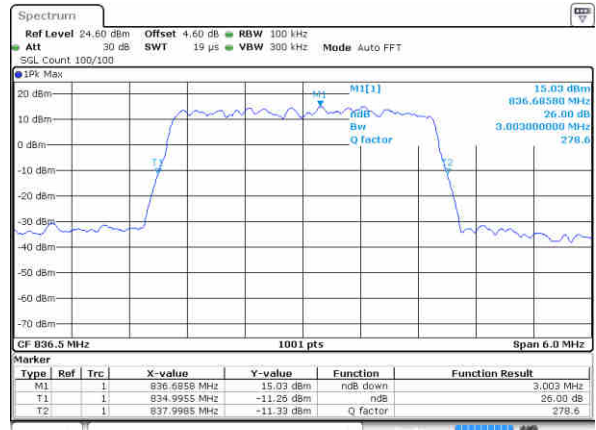
Date: 10 JUL 2019 04:45:06

Middle Channel / 1.4MHz / 64QAM



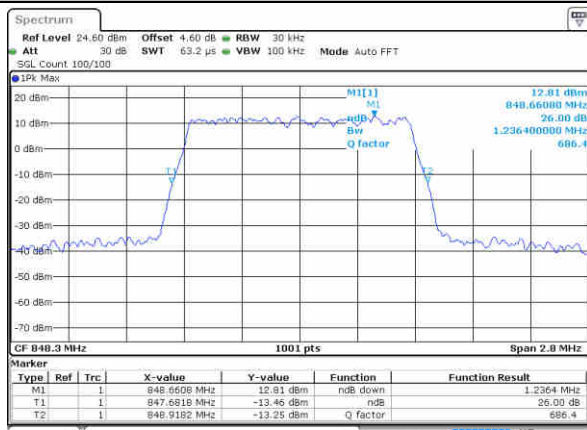
Date: 10 JUL 2019 04:40:15

Middle Channel / 3MHz / 64QAM



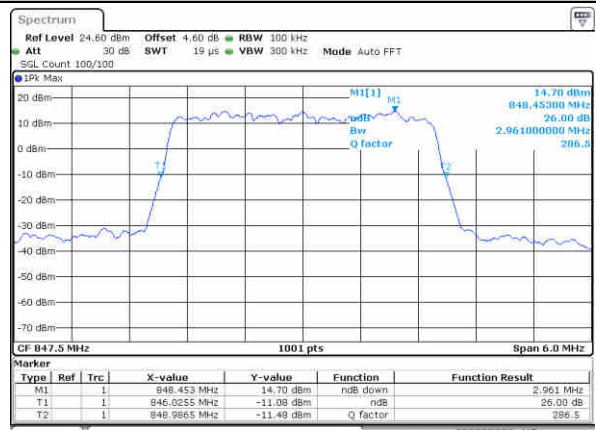
Date: 10 JUL 2019 04:50:30

Highest Channel / 1.4MHz / 64QAM



Date: 10 JUL 2019 04:40:36

Highest Channel / 3MHz / 64QAM

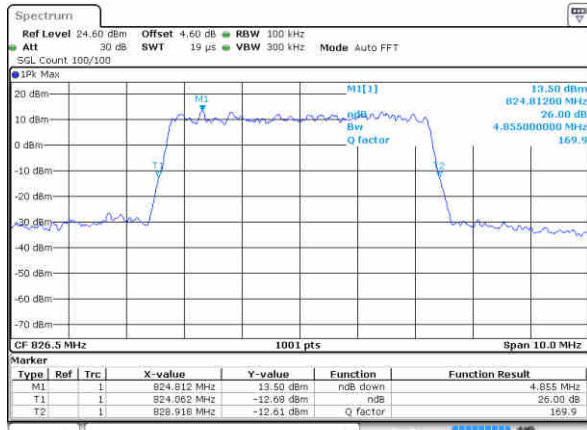


Date: 10 JUL 2019 04:50:50

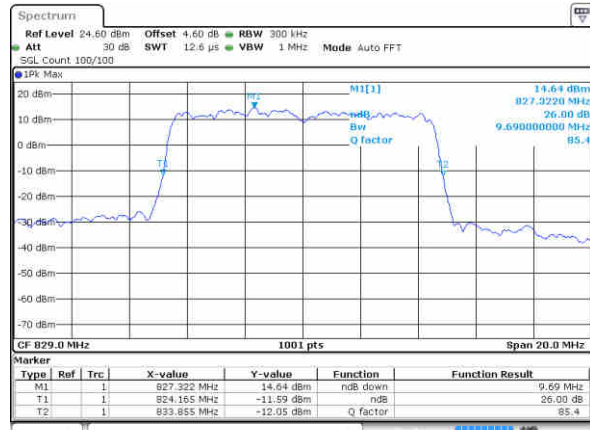


LTE Band 5

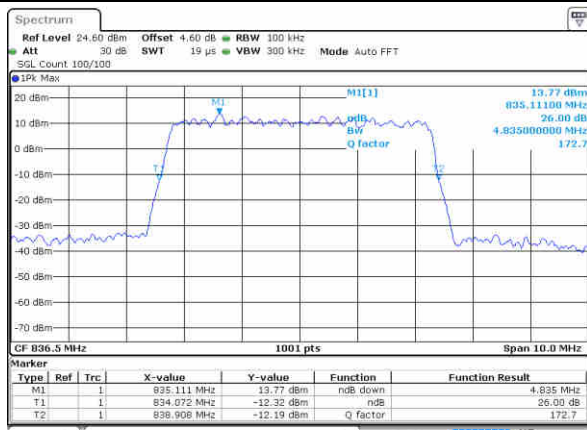
Lowest Channel / 5MHz / 64QAM



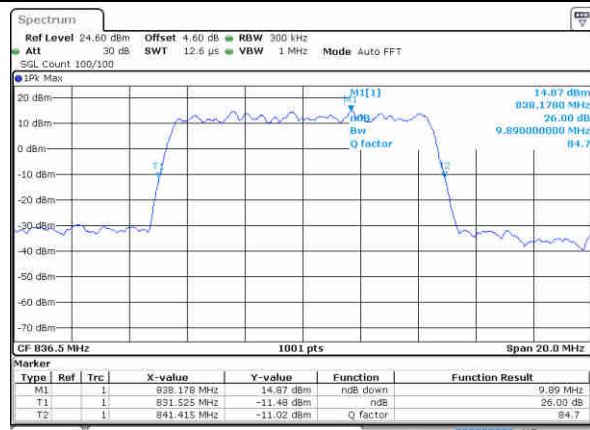
Lowest Channel / 10MHz / 64QAM



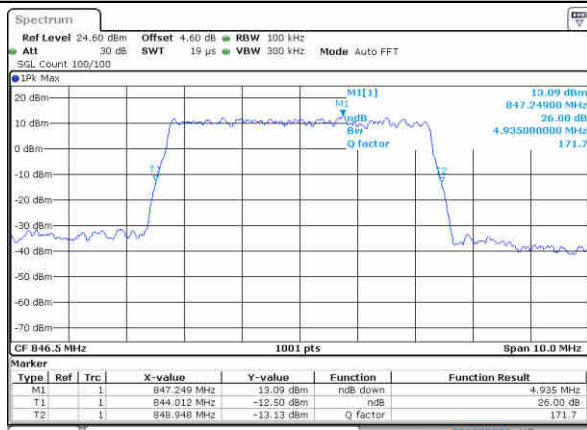
Middle Channel / 5MHz / 64QAM



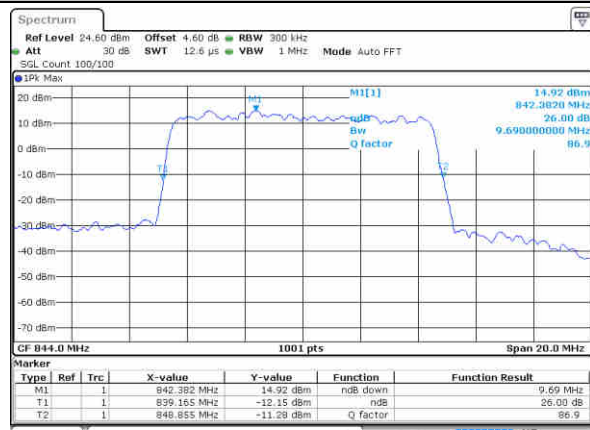
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



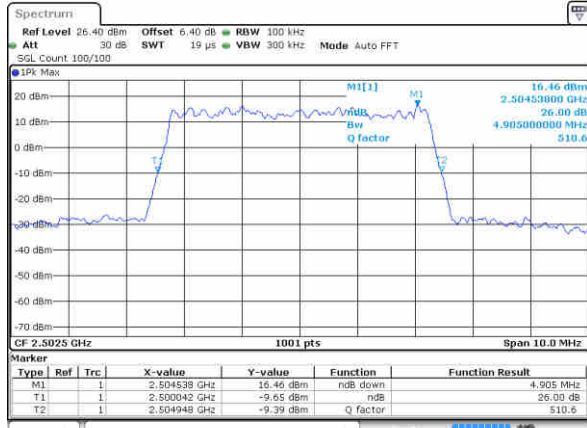
Highest Channel / 10MHz / 64QAM



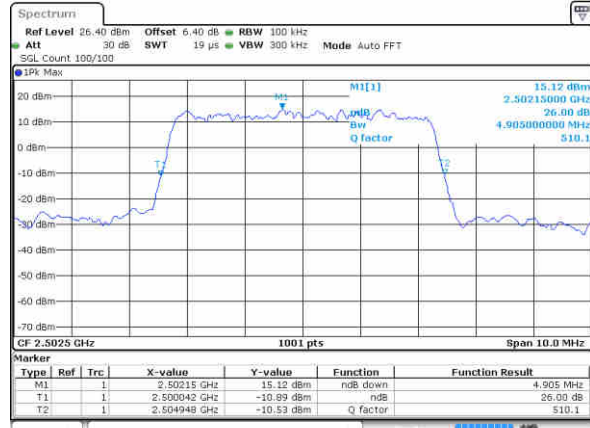


LTE Band 7

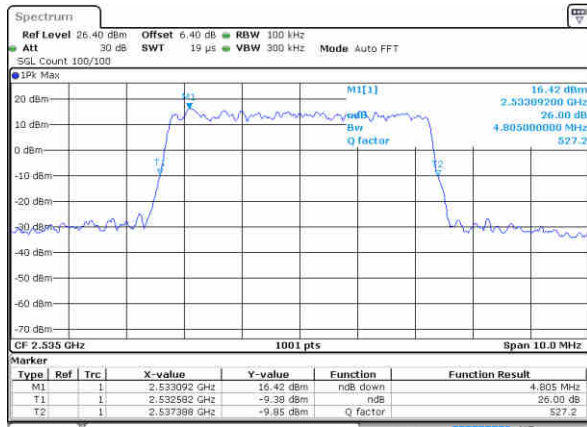
Lowest Channel / 5MHz / QPSK



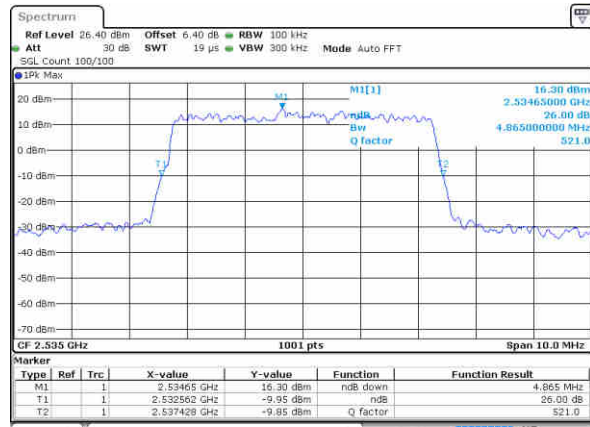
Lowest Channel / 5MHz / 16QAM



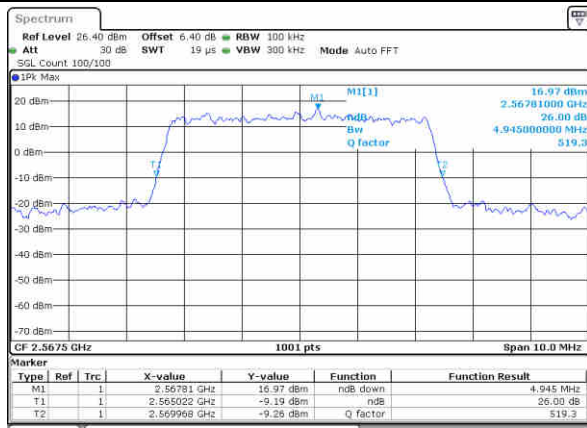
Middle Channel / 5MHz / QPSK



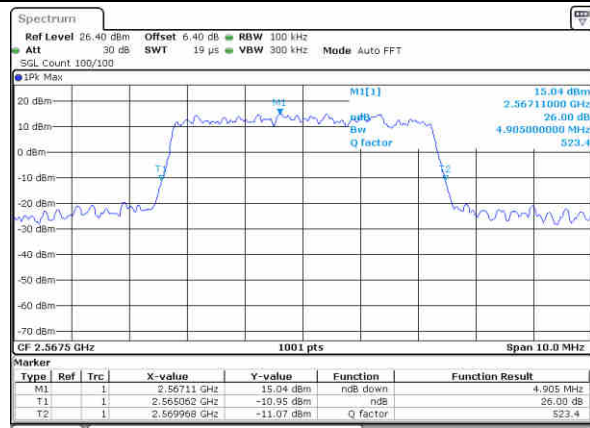
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



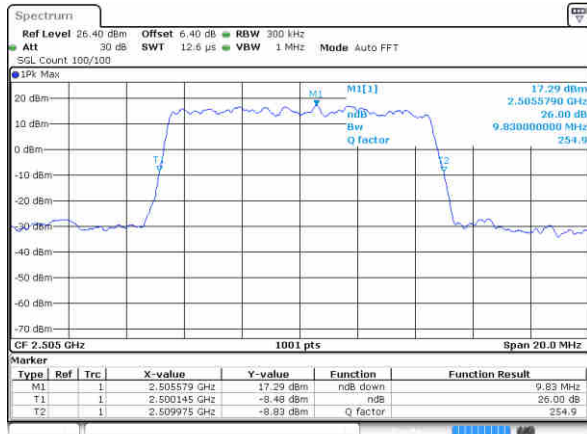
Highest Channel / 5MHz / 16QAM





LTE Band 7

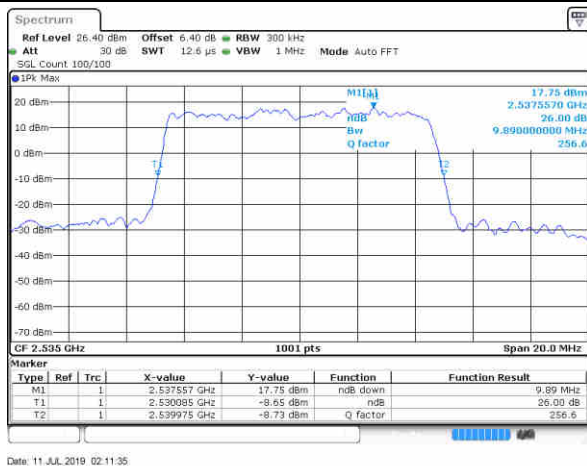
Lowest Channel / 10MHz / QPSK



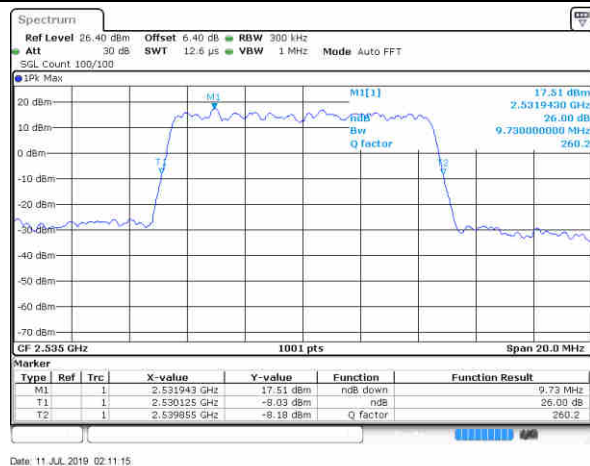
Lowest Channel / 10MHz / 16QAM



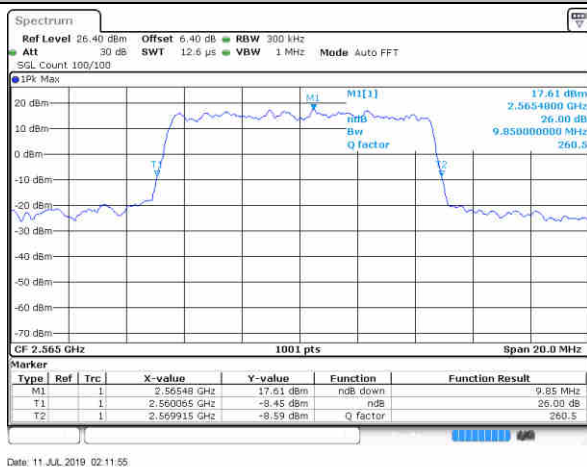
Middle Channel / 10MHz / QPSK



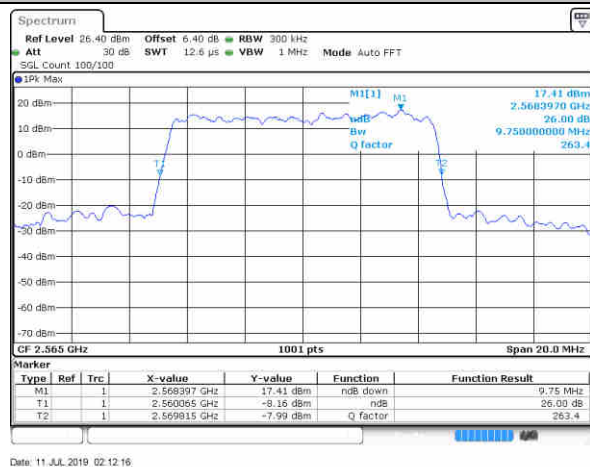
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



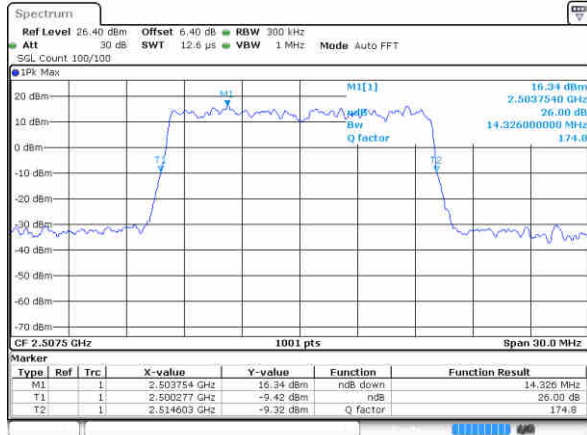
Highest Channel / 10MHz / 16QAM





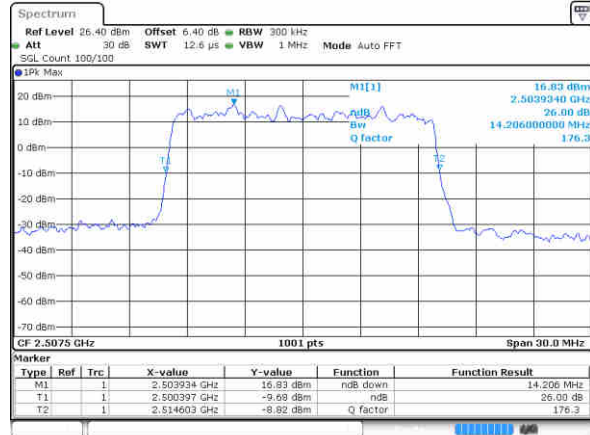
LTE Band 7

Lowest Channel / 15MHz / QPSK



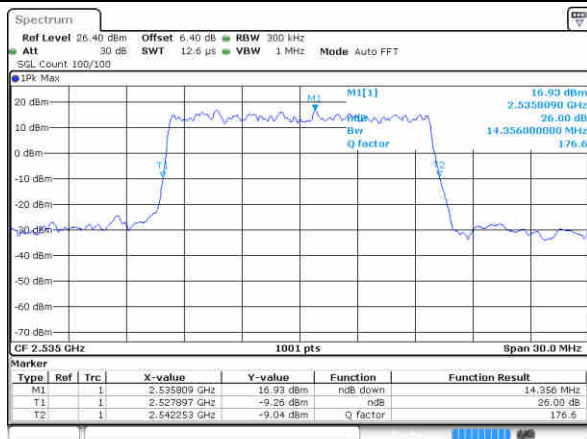
Date: 11 JUL 2019 02:27:25

Lowest Channel / 15MHz / 16QAM



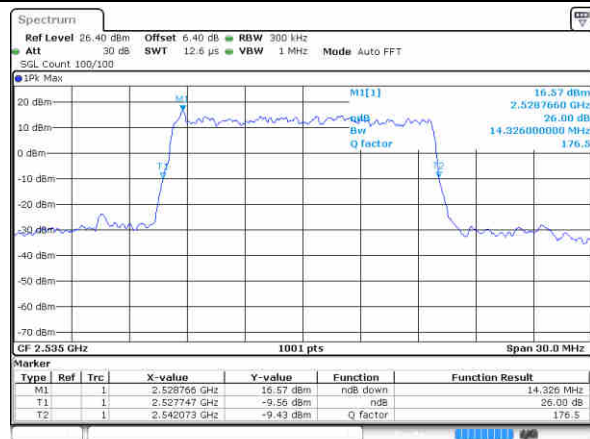
Date: 11 JUL 2019 02:27:05

Middle Channel / 15MHz / QPSK



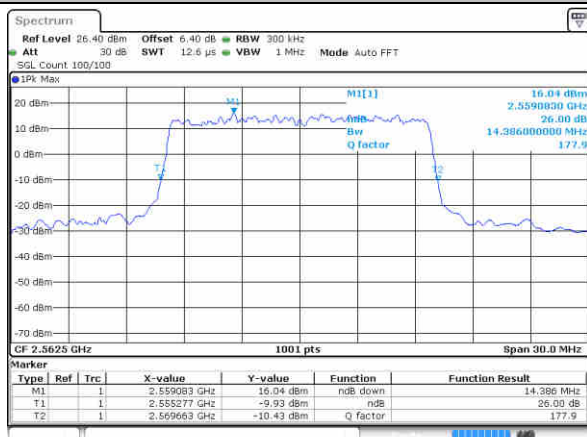
Date: 11 JUL 2019 02:27:45

Middle Channel / 15MHz / 16QAM



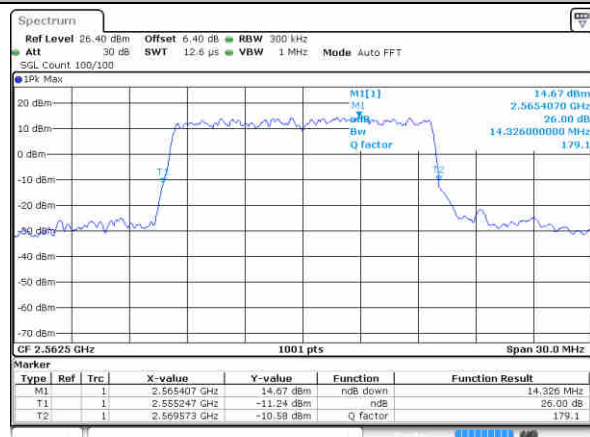
Date: 11 JUL 2019 02:28:05

Highest Channel / 15MHz / QPSK



Date: 11 JUL 2019 02:28:45

Highest Channel / 15MHz / 16QAM

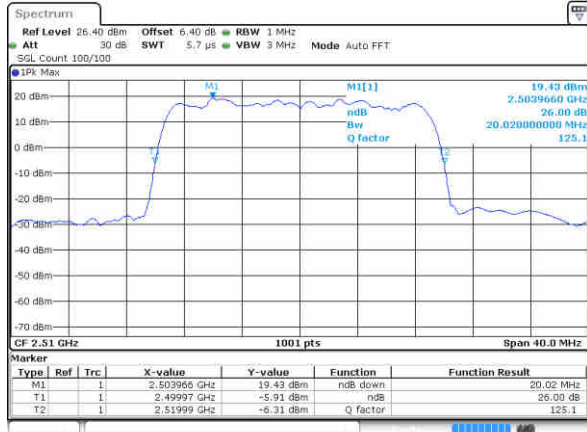


Date: 11 JUL 2019 02:28:25

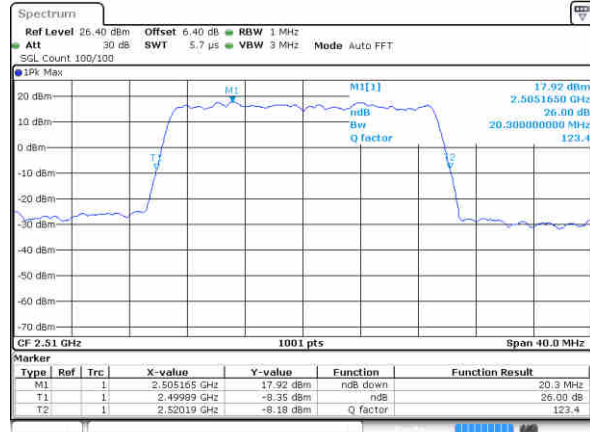


LTE Band 7

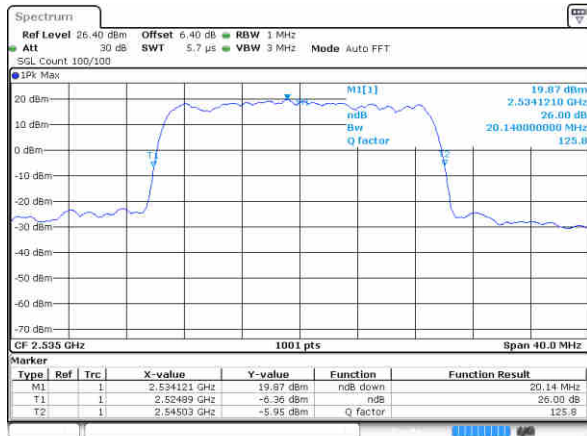
Lowest Channel / 20MHz / QPSK



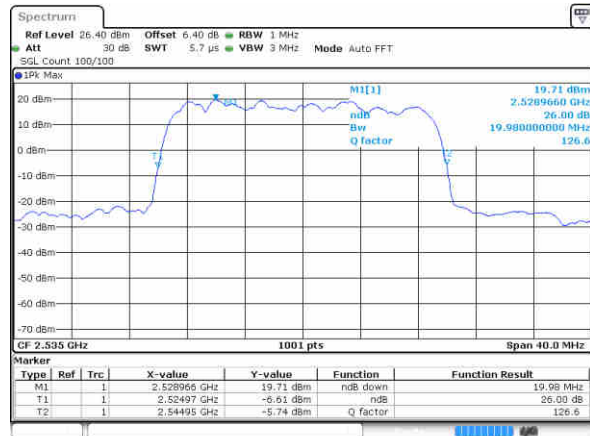
Lowest Channel / 20MHz / 16QAM



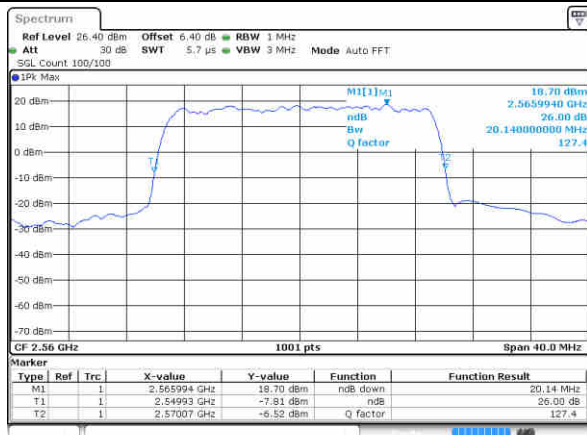
Middle Channel / 20MHz / QPSK



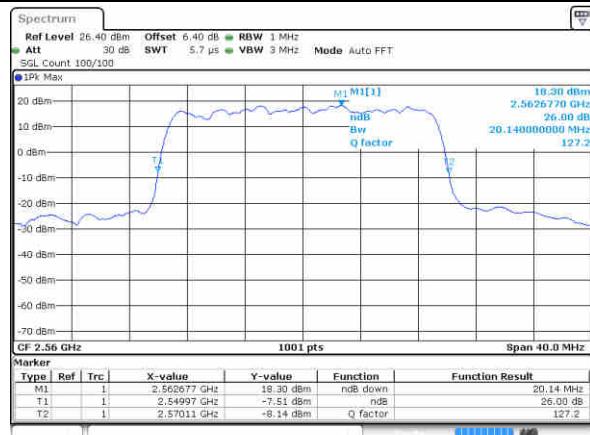
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



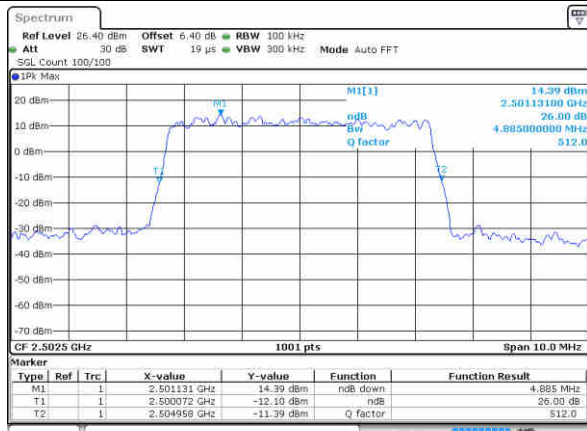
Highest Channel / 20MHz / 16QAM





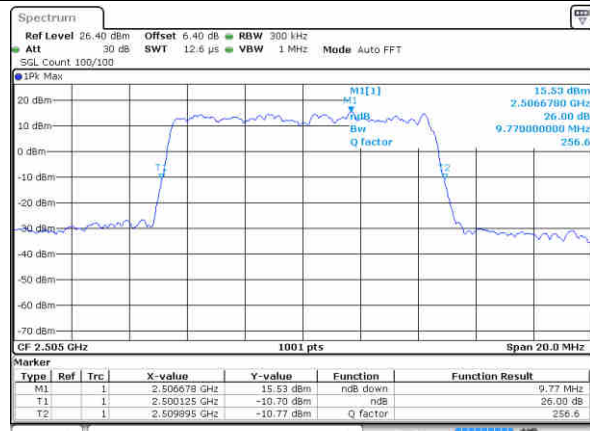
LTE Band 7

Lowest Channel / 5MHz / 64QAM



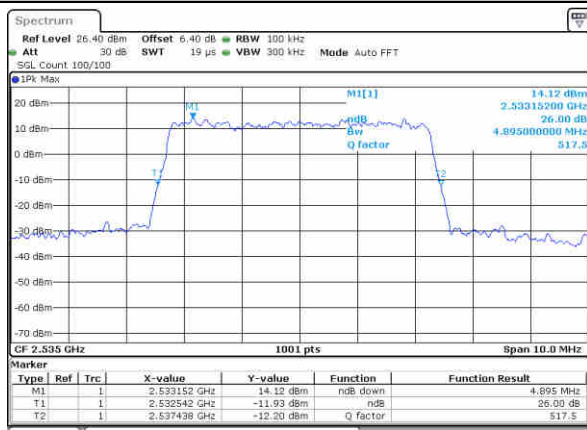
Date: 11 JUL 2019 03:00:28

Lowest Channel / 10MHz / 64QAM



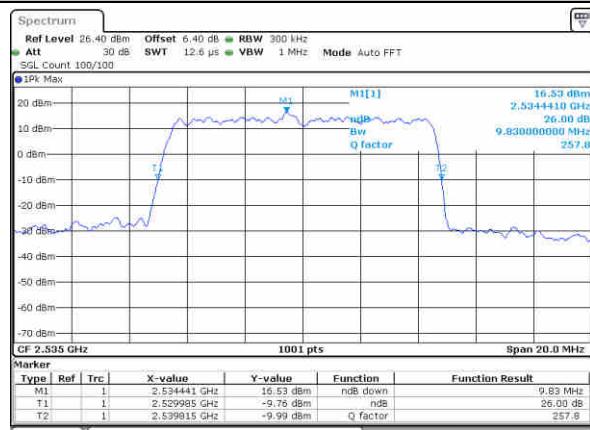
Date: 11 JUL 2019 03:08:43

Middle Channel / 5MHz / 64QAM



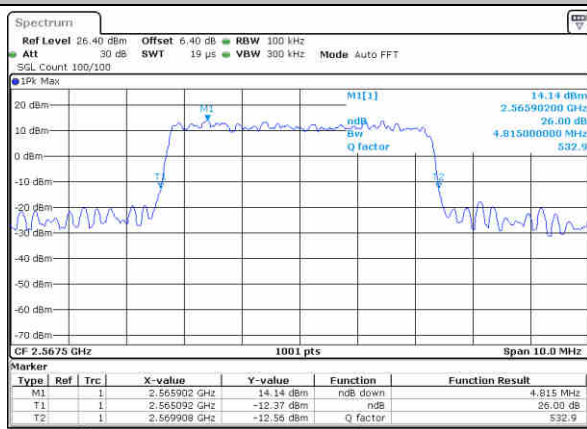
Date: 11 JUL 2019 03:00:38

Middle Channel / 10MHz / 64QAM



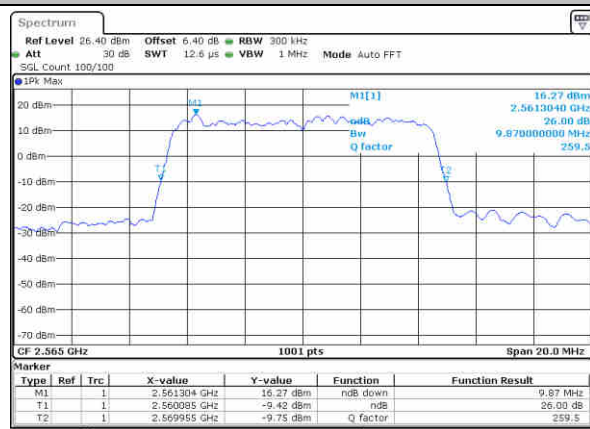
Date: 11 JUL 2019 03:08:54

Highest Channel / 5MHz / 64QAM



Date: 11 JUL 2019 03:00:48

Highest Channel / 10MHz / 64QAM

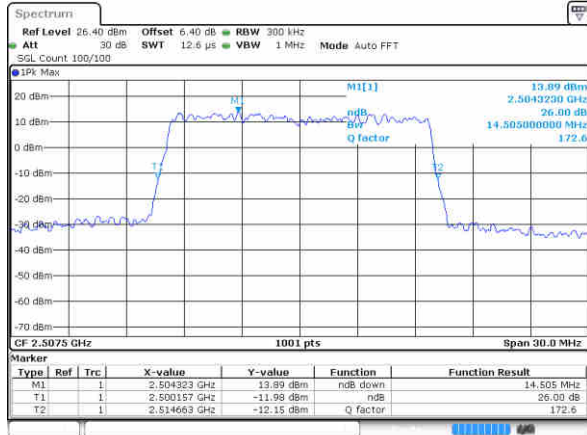


Date: 11 JUL 2019 03:09:04



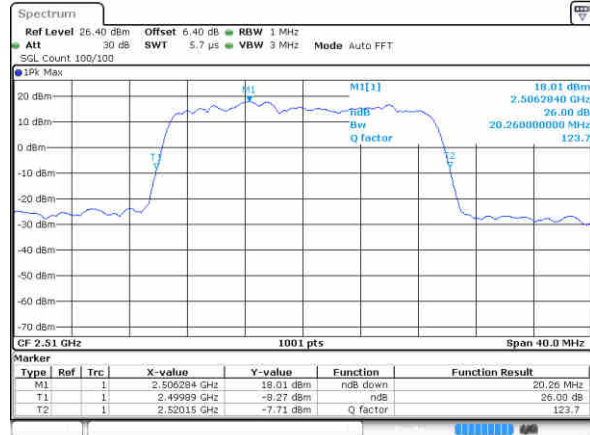
LTE Band 7

Lowest Channel / 15MHz / 64QAM



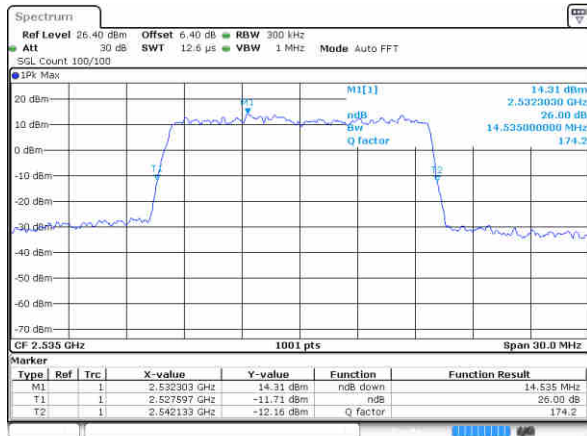
Date: 11 JUL 2019 03:16:58

Lowest Channel / 20MHz / 64QAM



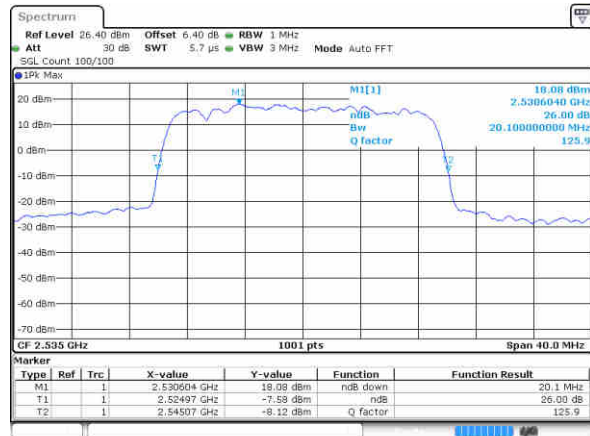
Date: 11 JUL 2019 03:25:14

Middle Channel / 15MHz / 64QAM



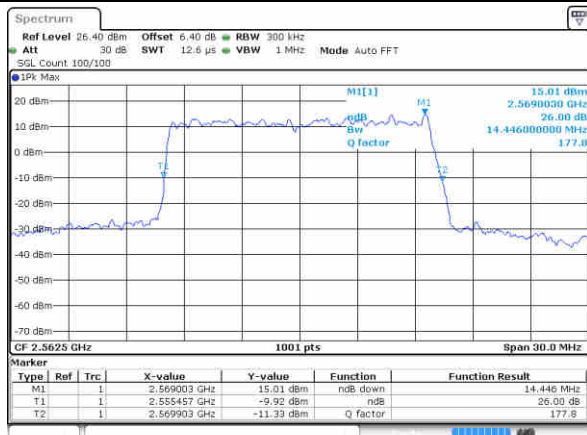
Date: 11 JUL 2019 03:17:08

Middle Channel / 20MHz / 64QAM



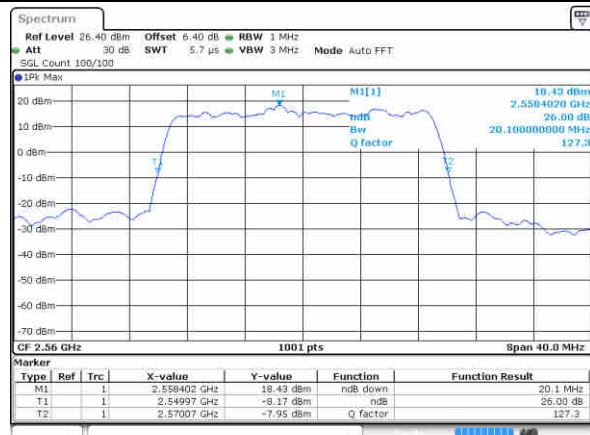
Date: 11 JUL 2019 03:25:25

Highest Channel / 15MHz / 64QAM



Date: 11 JUL 2019 03:17:18

Highest Channel / 20MHz / 64QAM

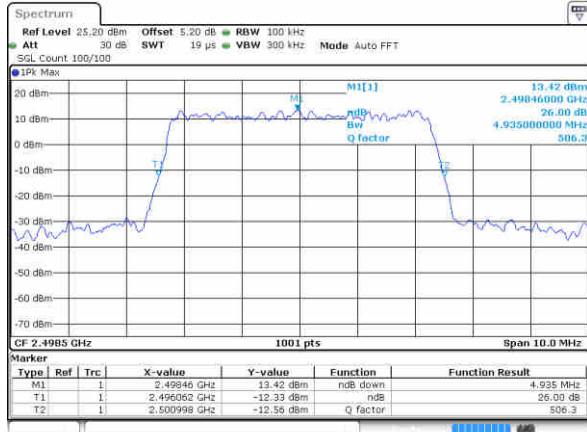


Date: 11 JUL 2019 03:25:35

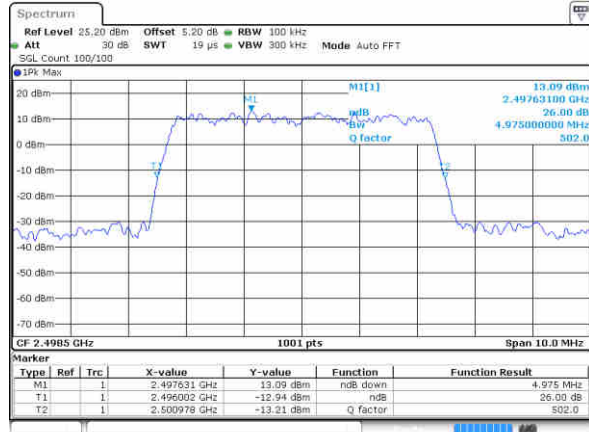


LTE Band 41

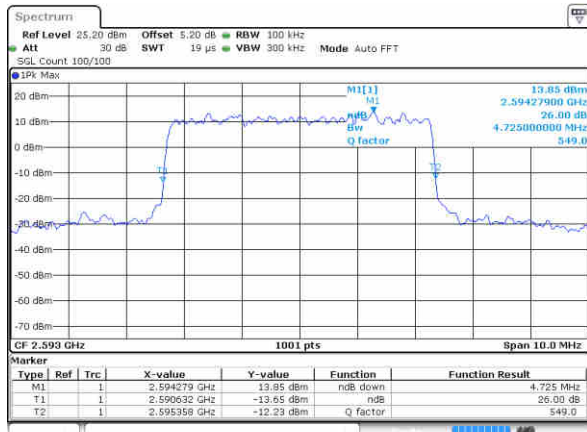
Lowest Channel / 5MHz / QPSK



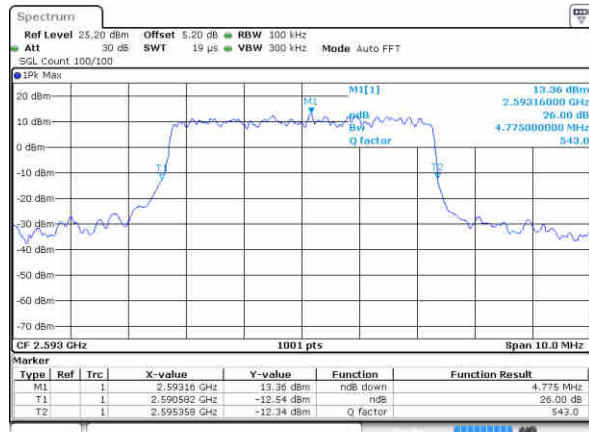
Lowest Channel / 5MHz / 16QAM



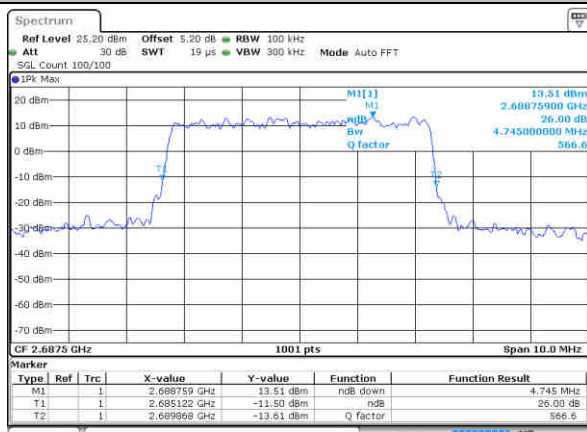
Middle Channel / 5MHz / QPSK



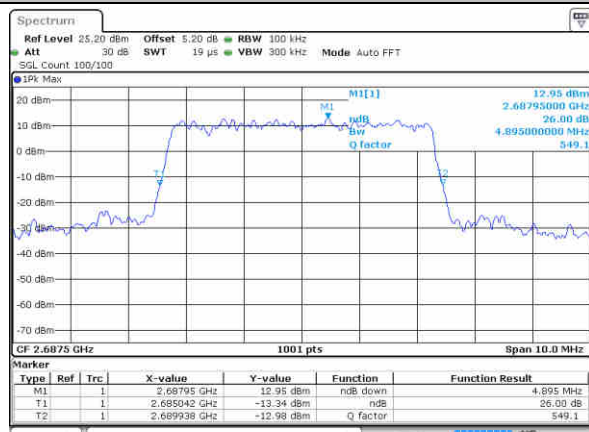
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



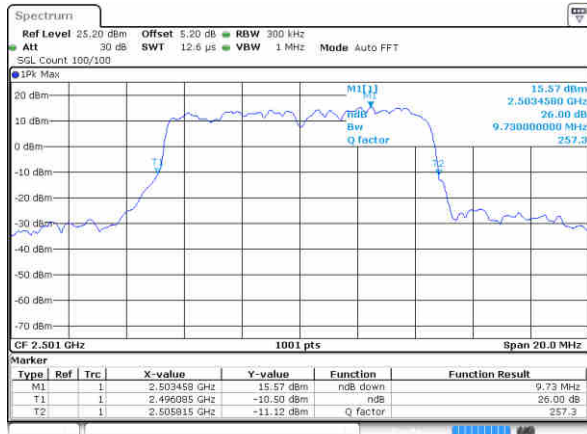
Highest Channel / 5MHz / 16QAM



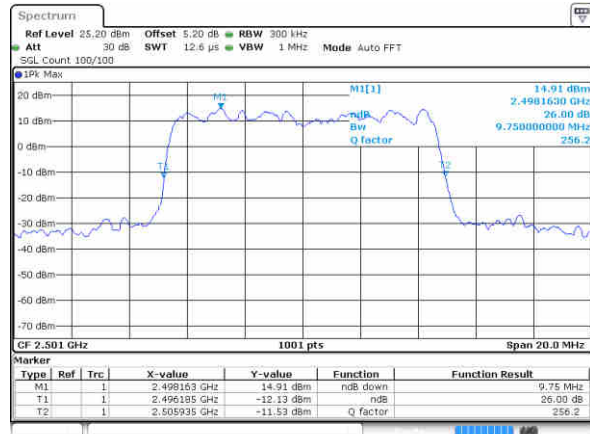


LTE Band 41

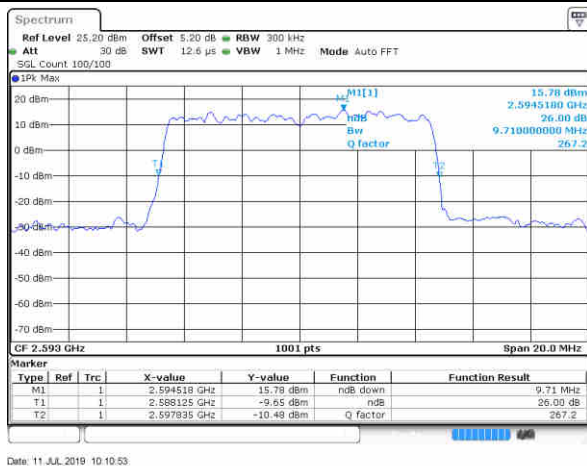
Lowest Channel / 10MHz / QPSK



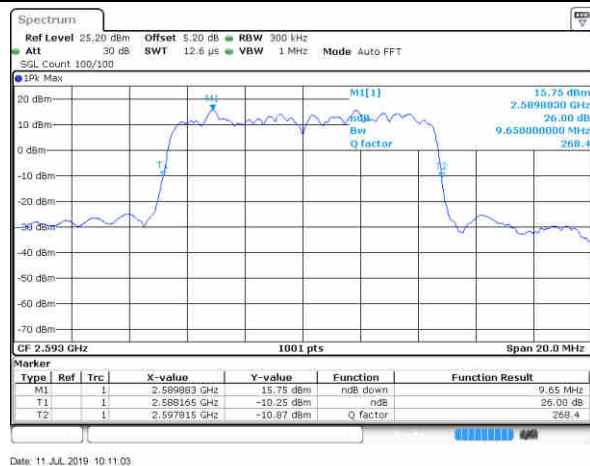
Lowest Channel / 10MHz / 16QAM



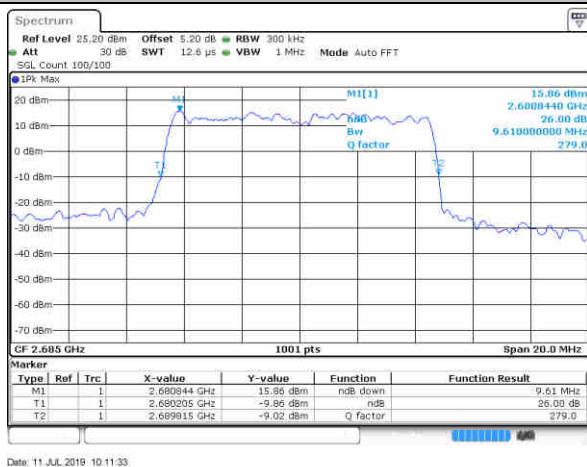
Middle Channel / 10MHz / QPSK



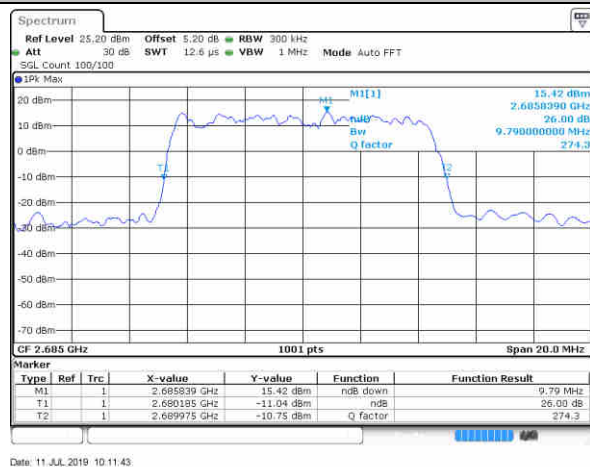
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



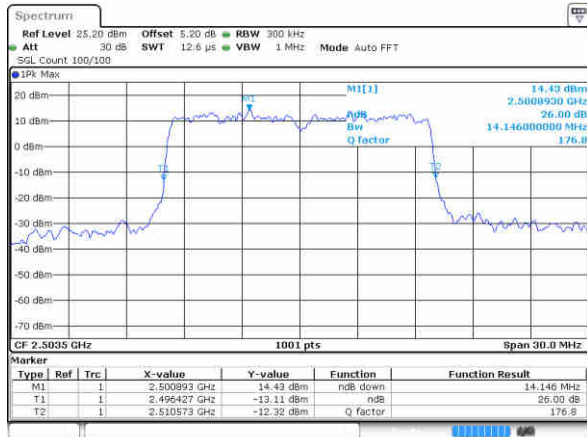
Highest Channel / 10MHz / 16QAM





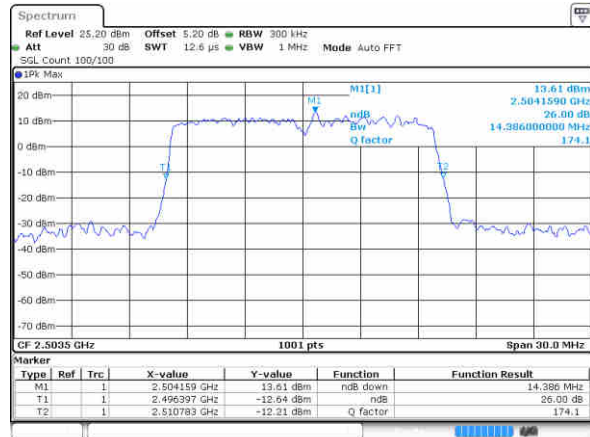
LTE Band 41

Lowest Channel / 15MHz / QPSK



Date: 11 JUL 2019 10:12:14

Lowest Channel / 15MHz / 16QAM



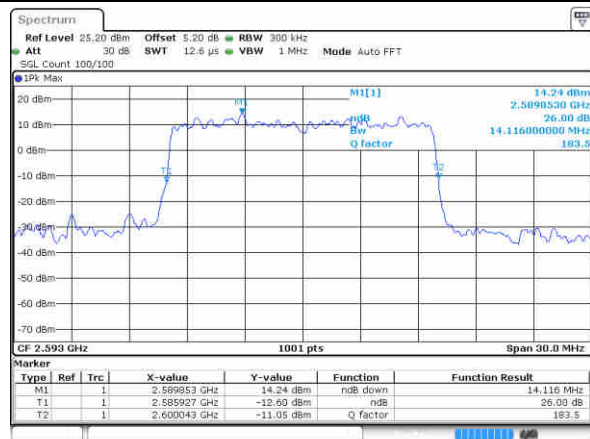
Date: 11 JUL 2019 10:12:24

Middle Channel / 15MHz / QPSK



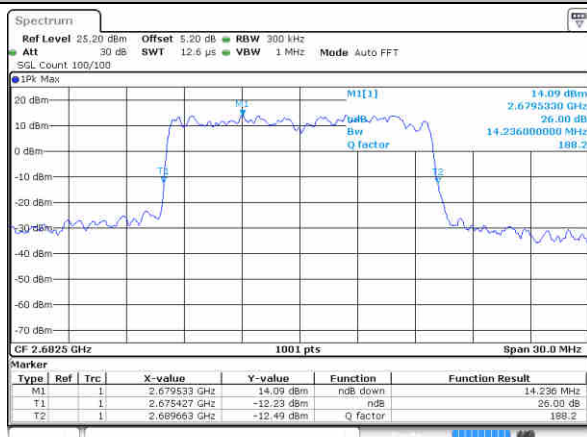
Date: 11 JUL 2019 10:12:54

Middle Channel / 15MHz / 16QAM



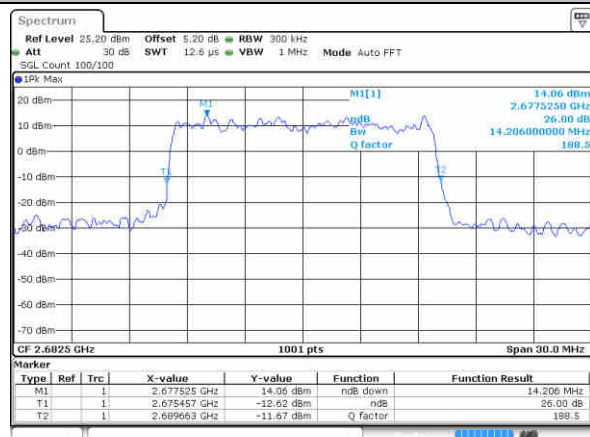
Date: 11 JUL 2019 10:13:04

Highest Channel / 15MHz / QPSK



Date: 11 JUL 2019 10:13:35

Highest Channel / 15MHz / 16QAM

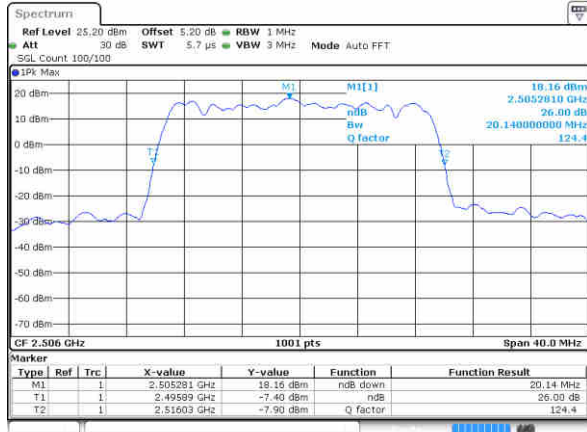


Date: 11 JUL 2019 10:13:45

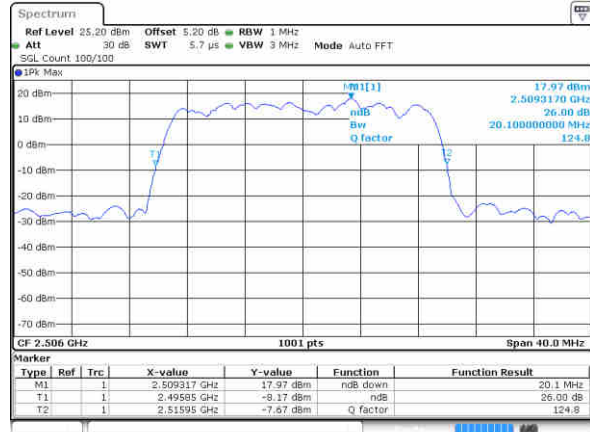


LTE Band 41

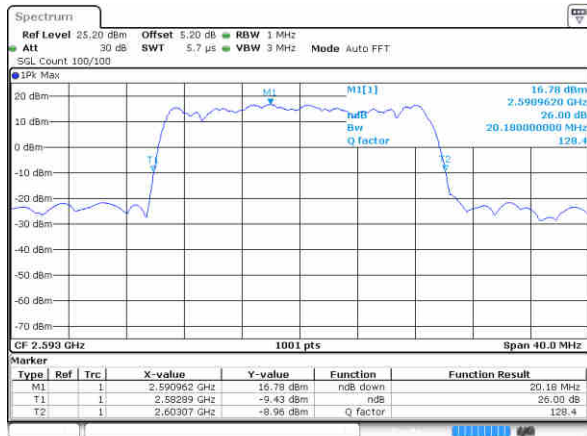
Lowest Channel / 20MHz / QPSK



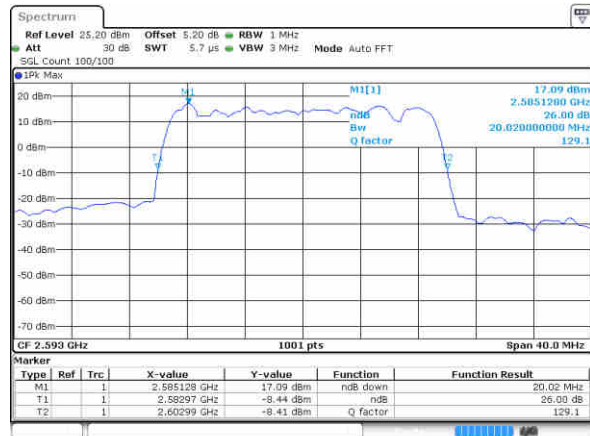
Lowest Channel / 20MHz / 16QAM



Middle Channel / 20MHz / QPSK



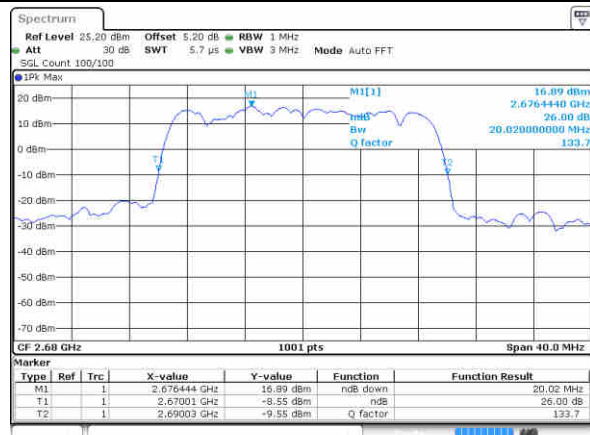
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



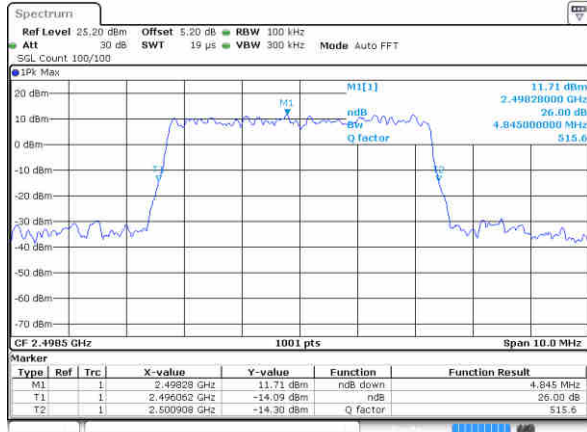
Highest Channel / 20MHz / 16QAM





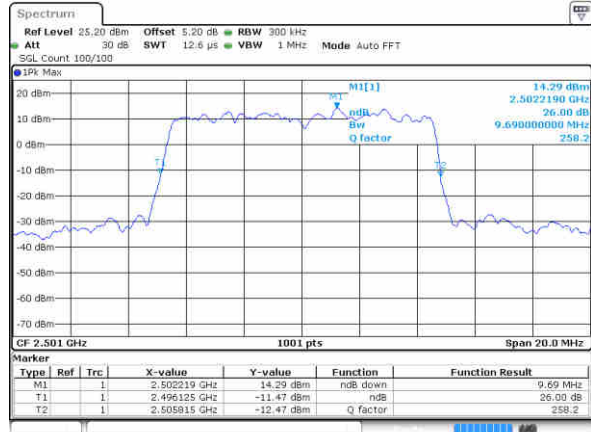
LTE Band 41

Lowest Channel / 5MHz / QPSK



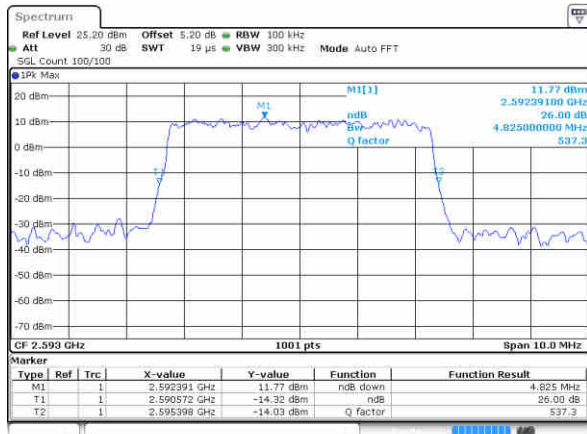
Date: 11 JUL 2019 10:22:38

Lowest Channel / 10MHz / 16QAM



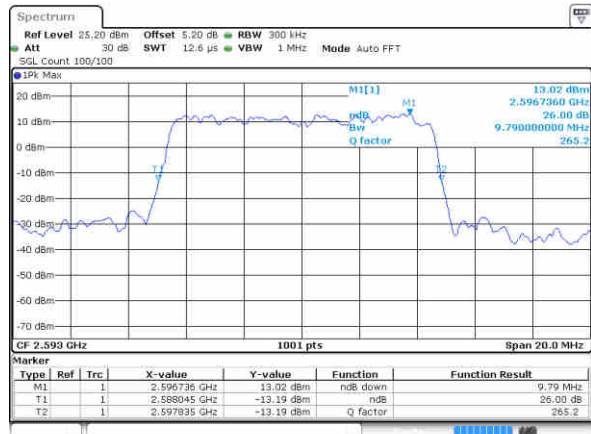
Date: 11 JUL 2019 10:23:38

Middle Channel / 5MHz / QPSK



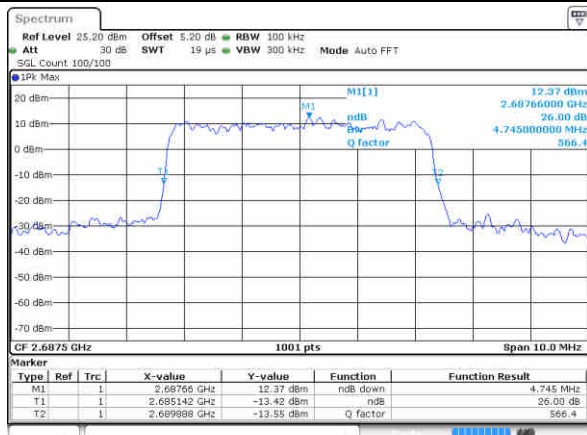
Date: 11 JUL 2019 10:22:58

Middle Channel / 10MHz / 16QAM



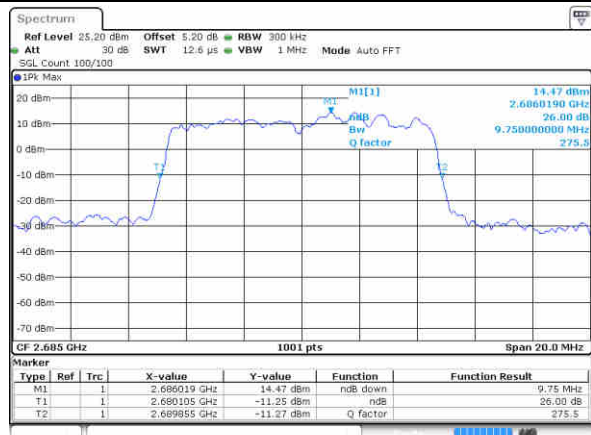
Date: 11 JUL 2019 10:23:59

Highest Channel / 5MHz / QPSK



Date: 11 JUL 2019 10:23:18

Highest Channel / 10MHz / 16QAM

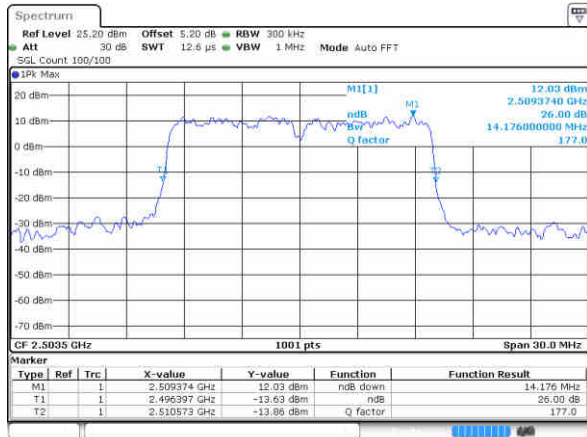


Date: 11 JUL 2019 10:24:19

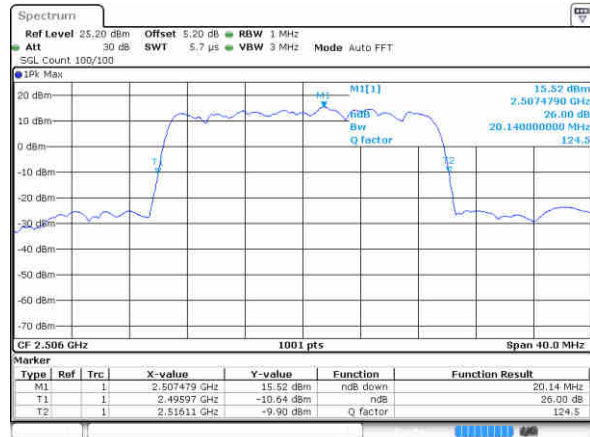


LTE Band 41

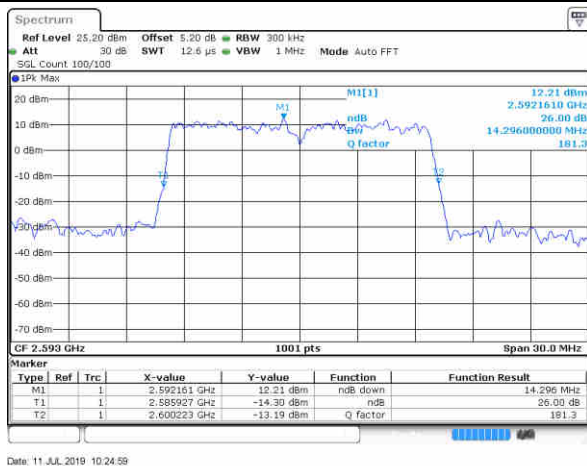
Lowest Channel / 15MHz / QPSK



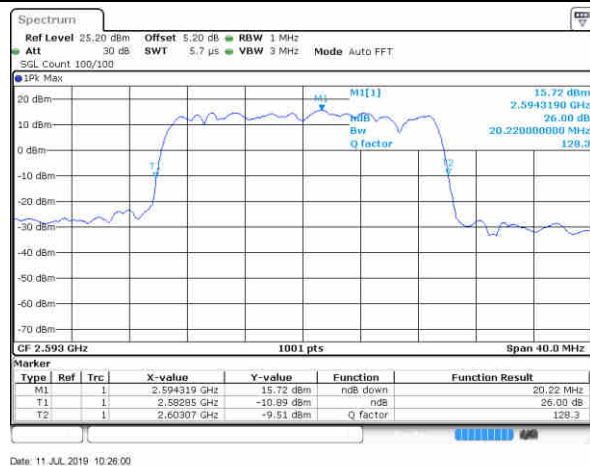
Lowest Channel / 20MHz / 16QAM



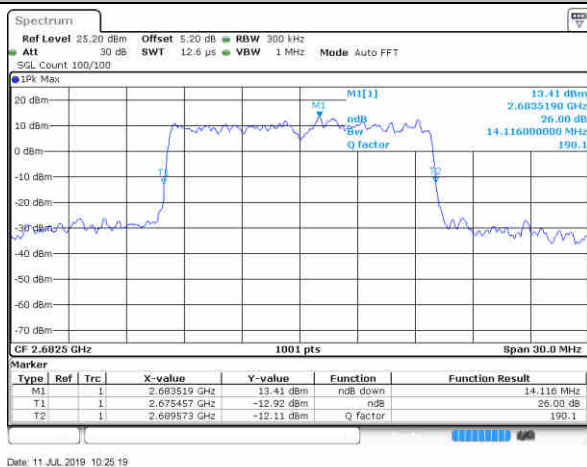
Middle Channel / 15MHz / QPSK



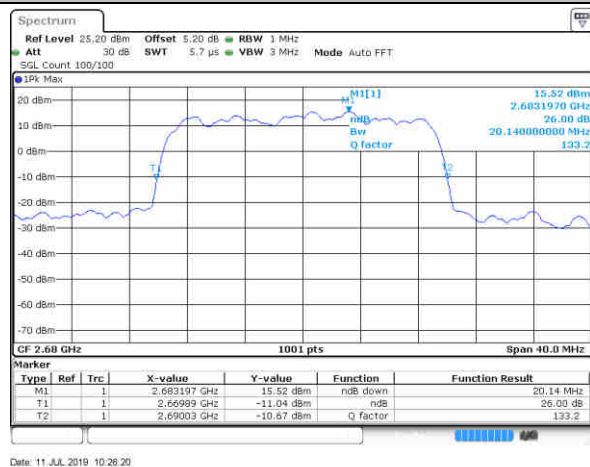
Middle Channel / 20MHz / 16QAM



Highest Channel / 15MHz / QPSK



Highest Channel / 20MHz / 16QAM





Occupied Bandwidth

Mode	LTE Band 2 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.72	2.70	4.48	4.49	9.01	9.01	13.43	13.40	18.26	18.42
Middle CH	1.09	1.09	2.72	2.73	4.49	4.47	8.97	8.99	13.46	13.46	18.30	18.38
Highest CH	1.09	1.09	2.71	2.73	4.50	4.48	9.03	9.03	13.46	13.43	18.46	18.30
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.08		2.72		4.52		9.01		13.40		18.34	
Middle CH	1.09		2.72		4.49		9.03		13.40		18.42	
Highest CH	1.09		2.72		4.48		8.99		13.37		18.34	

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	2.70	4.47	4.50	9.01	8.97	13.40	13.40	18.38	18.06
Middle CH	1.08	1.09	2.72	2.72	4.48	4.51	9.03	9.01	13.43	13.43	18.42	18.38
Highest CH	1.09	1.09	2.72	2.73	4.49	4.49	8.97	9.03	13.46	13.43	18.34	18.50
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.09		2.71		4.50		9.05		13.43		18.22	
Middle CH	1.09		2.73		4.49		9.01		13.46		18.34	
Highest CH	1.09		2.70		4.49		9.01		13.46		18.34	

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	1.08	2.73	2.72	4.48	4.50	9.01	9.01				
Middle CH	1.09	1.09	2.70	2.72	4.48	4.48	8.97	9.05				
Highest CH	1.09	1.09	2.71	2.73	4.49	4.49	9.03	8.99				
BW	1.4MHz		3MHz		5MHz		10MHz					
Mod.	64QAM		64QAM		64QAM		64QAM					
Lowest CH	1.09		2.72		4.51		8.95					
Middle CH	1.09		2.72		4.48		9.03					
Highest CH	1.09		2.74		4.53		8.95					



Mode	LTE Band 7 : 99%OBW(MHz)											
BW					5MHz		10MHz		15MHz		20MHz	
Mod.					QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH					4.49	4.49	9.05	9.01	13.46	13.46	18.50	18.34
Middle CH					4.50	4.50	9.09	8.99	13.37	13.46	18.38	18.42
Highest CH					4.49	4.49	9.01	9.01	13.49	13.49	18.46	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		13.40		18.50	
Middle CH					4.51		9.01		13.49		18.30	
Highest CH					4.50		9.01		13.46		18.34	

Mode	LTE Band 41 : 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	-	-	-	-	4.50	4.50	8.97	8.99	13.46	13.43	18.26	18.26
Middle CH	-	-	-	-	4.52	4.48	8.99	9.01	13.46	13.46	18.38	18.30
Highest CH	-	-	-	-	4.49	4.49	9.01	9.03	13.40	13.46	18.30	18.26
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.					64QAM		64QAM		64QAM		64QAM	
Lowest CH					4.48		8.97		13.43		18.30	
Middle CH					4.50		9.03		13.40		18.22	
Highest CH					4.52		8.95		13.40		18.34	