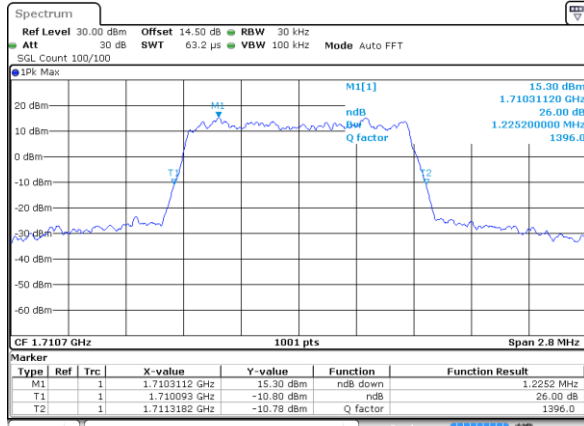




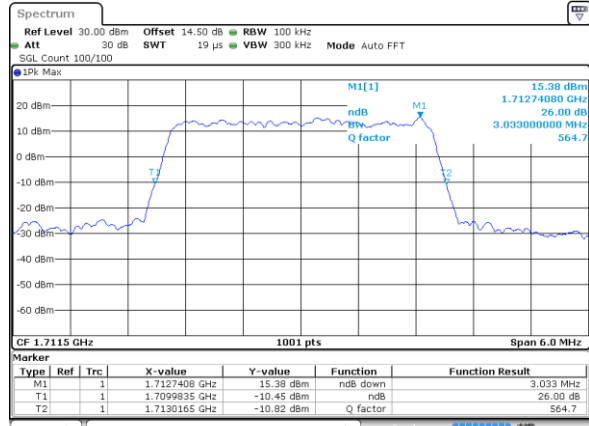
LTE Band 66

Lowest Channel / 1.4MHz / 64QAM



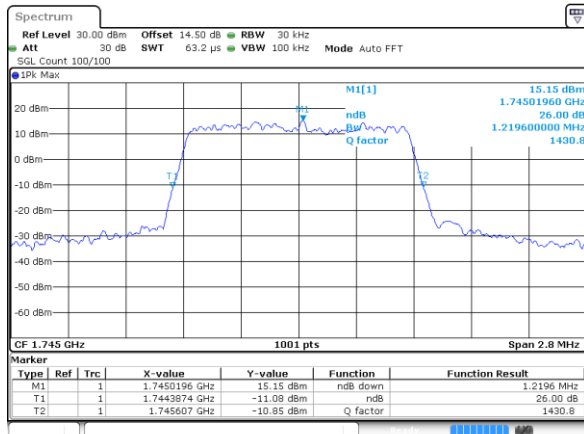
Date: 21 JUL 2019 17:03:54

Lowest Channel / 3MHz / 64QAM



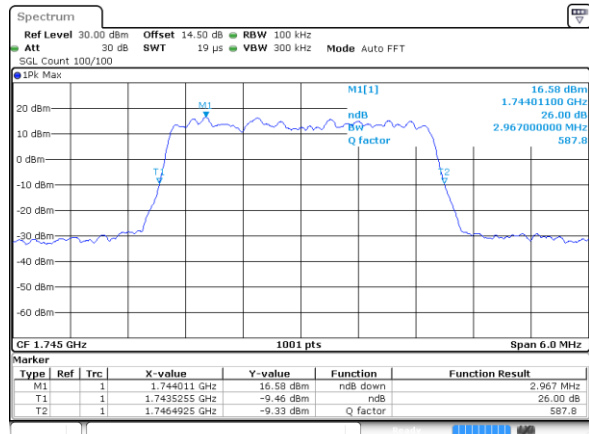
Date: 21 JUL 2019 17:48:38

Middle Channel / 20MHz / 64QAM



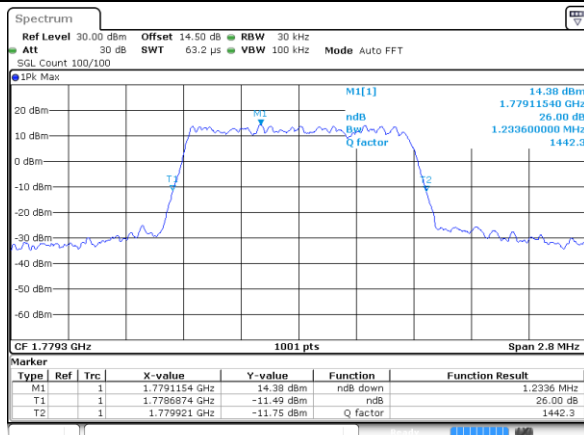
Date: 21 JUL 2019 17:16:04

Middle Channel / 3MHz / 64QAM



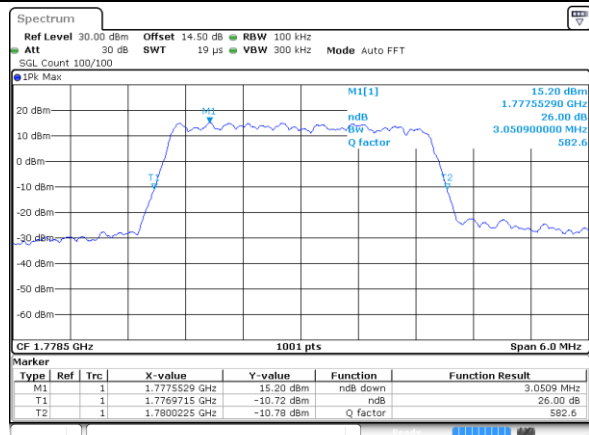
Date: 21 JUL 2019 18:40:54

Highest Channel / 20MHz / 64QAM



Date: 21 JUL 2019 17:36:35

Highest Channel / 3MHz / 64QAM

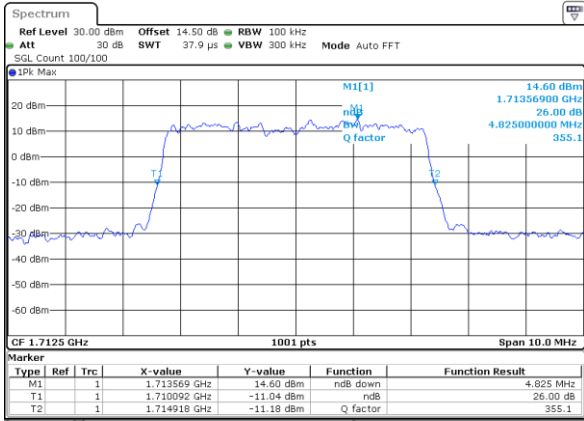


Date: 21 JUL 2019 18:31:42



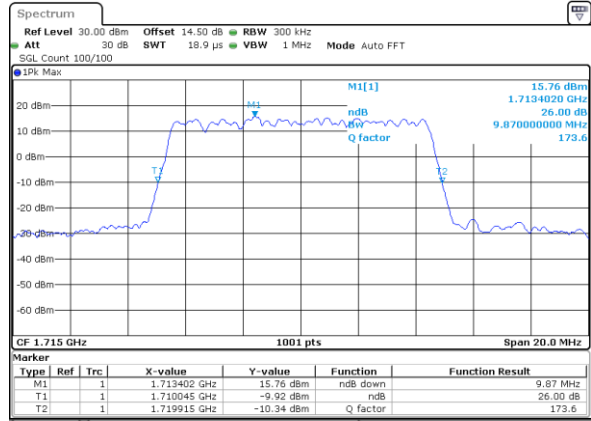
LTE Band 66

Lowest Channel / 5MHz / 64QAM



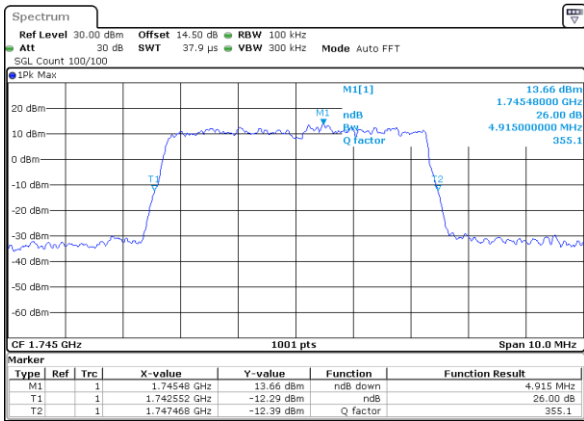
Date: 21 JUL 2019 18:57:58

Lowest Channel / 10MHz / 64QAM



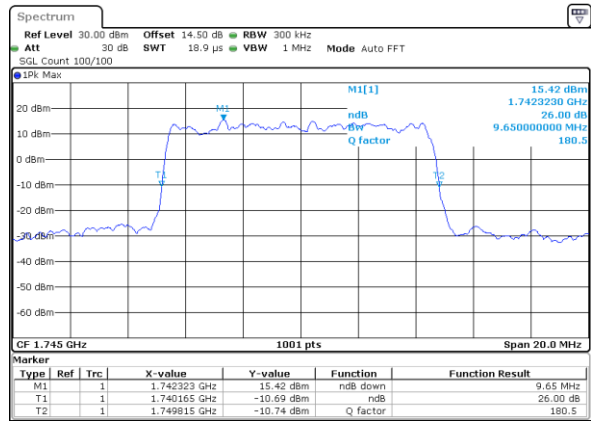
Date: 23 JUL 2019 14:48:45

Middle Channel / 5MHz / 64QAM



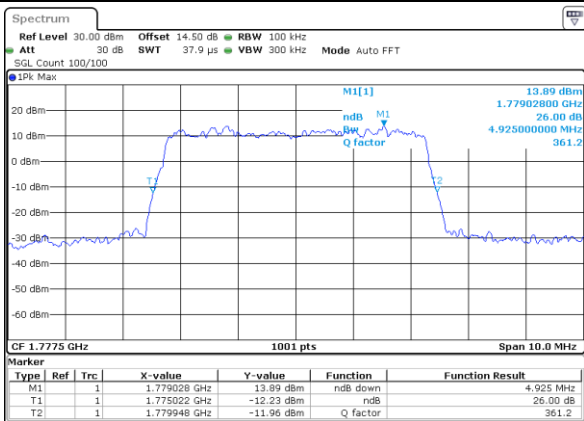
Date: 21 JUL 2019 18:44:59

Middle Channel / 10MHz / 64QAM



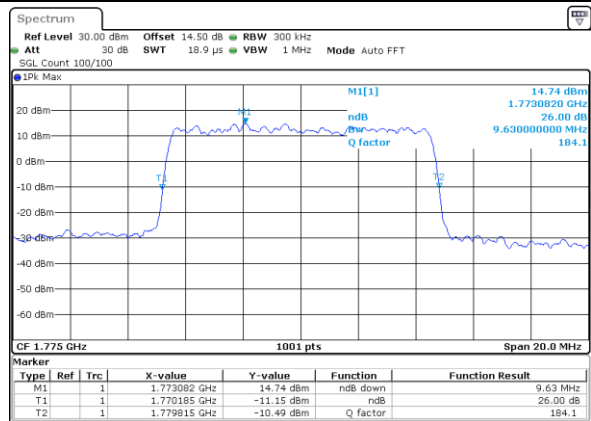
Date: 23 JUL 2019 15:28:16

Highest Channel / 5MHz / 64QAM



Date: 21 JUL 2019 19:03:07

Highest Channel / 10MHz / 64QAM

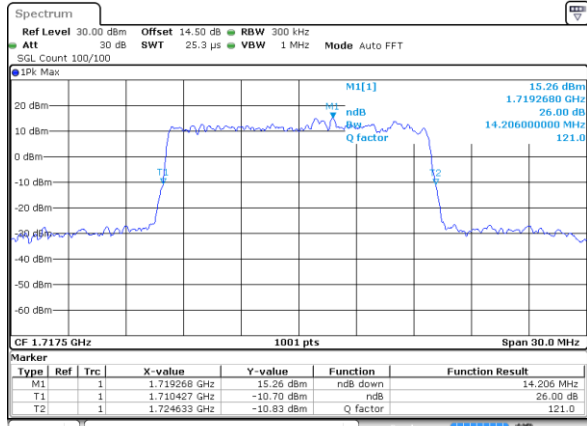


Date: 23 JUL 2019 15:38:31



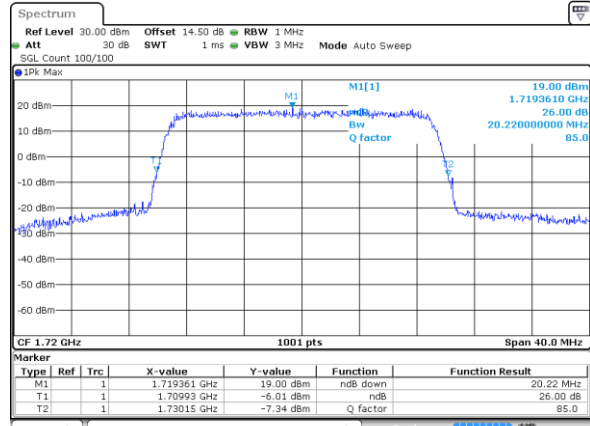
LTE Band 66

Lowest Channel / 15MHz / 64QAM



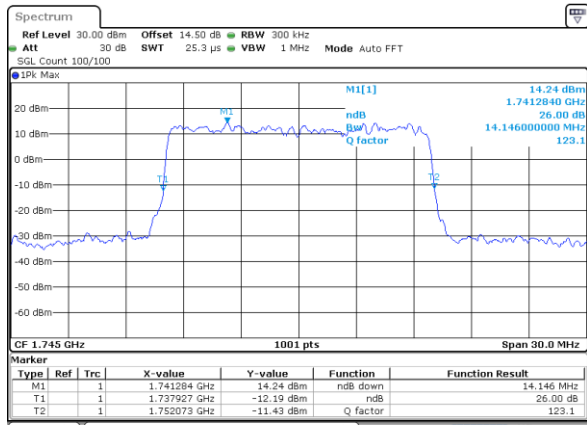
Date: 23 JUL 2019 16:03:38

Lowest Channel / 20MHz / 64QAM



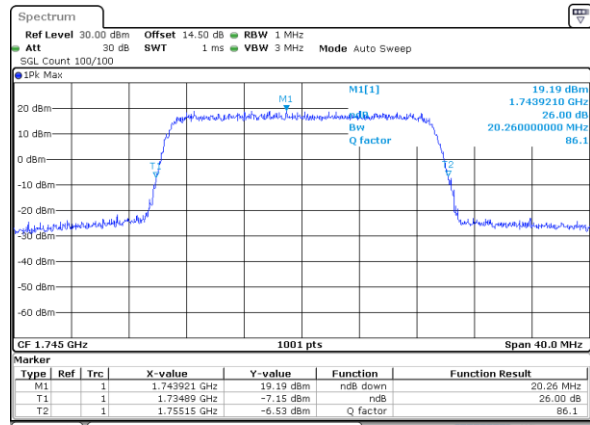
Date: 24 JUL 2019 11:04:48

Middle Channel / 15MHz / 64QAM



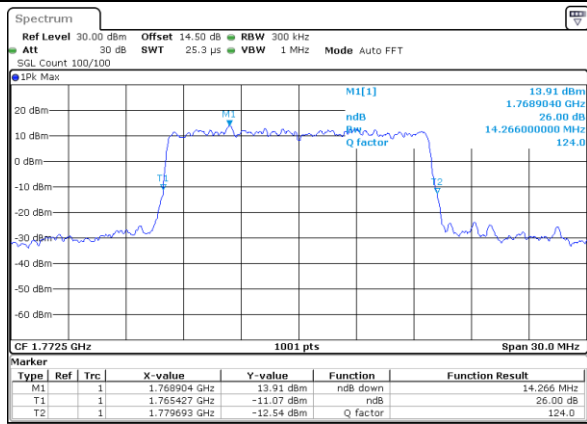
Date: 23 JUL 2019 16:16:26

Middle Channel / 20MHz / 64QAM



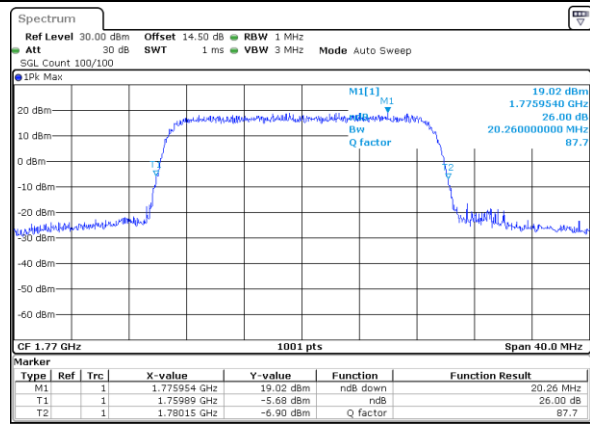
Date: 24 JUL 2019 11:17:47

Highest Channel / 15MHz / 64QAM



Date: 23 JUL 2019 16:42:24

Highest Channel / 20MHz / 64QAM



Date: 24 JUL 2019 11:23:09

**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	1.08	1.09	2.71	2.71	4.50	4.48	9.03	8.99	13.43	13.43	18.42	18.38
Middle CH	1.09	1.09	2.72	2.71	4.49	4.51	9.07	9.01	13.43	13.46	18.34	18.34
Highest CH	1.09	1.10	2.71	2.71	4.50	4.51	9.03	9.05	13.43	13.46	18.30	18.26
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		2.72		4.46		8.99		13.46		18.46	
Middle CH	1.08		2.72		4.49		9.05		13.46		18.46	
Highest CH	1.09		2.72		4.52		8.99		13.43		18.50	

Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		1.4MHz	3MHz	5MHz	10MHz
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM	64QAM	64QAM
Lowest CH	1.09	1.09	2.71	2.71	4.49	4.50	9.05	9.01	1.09	2.72	4.50	9.03
Middle CH	1.09	1.09	2.72	2.75	4.48	4.48	9.05	8.99	1.09	2.73	4.48	9.01
Highest CH	1.09	1.09	2.71	2.72	4.49	4.48	8.99	9.03	1.08	2.72	4.49	9.07

Mode	LTE Band 13 : 99%OBW(MHz)											
BW	5MHz		10MHz		5MHz		10MHz					
Mod.	QPSK	16QAM	QPSK	16QAM	64QAM		64QAM					
Lowest CH	4.50	4.48	-	-	4.50		-					
Middle CH	4.50	4.49	9.01	8.97	4.51		9.03					
Highest CH	4.49	4.50	-	-	4.48		-					



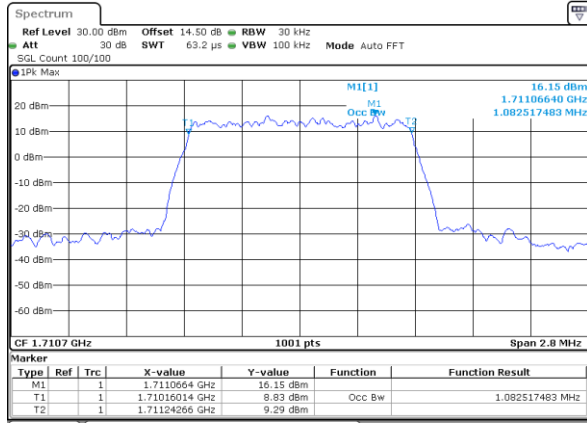
Mode	LTE Band 17 : 99%OBW(MHz)											
BW	5MHz		10MHz		5MHz		10MHz					
Mod.	QPSK	16QAM	QPSK	16QAM	64QAM		64QAM					
Lowest CH	4.48	4.47	9.01	9.05	4.47		9.01					
Middle CH	4.49	4.49	9.05	8.97	4.49		9.05					
Highest CH	4.52	4.50	9.03	9.01	4.50		9.09					

Mode	LTE Band 66 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.73	2.70	4.50	4.47	9.07	9.03	13.49	13.43	18.38	18.26
Middle CH	1.09	1.09	2.73	2.72	4.49	4.49	8.99	9.05	13.43	13.43	18.38	18.38
Highest CH	1.09	1.09	2.73	2.73	4.50	4.49	9.01	8.99	13.40	13.43	18.30	18.34
Mode	LTE Band 66 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.09		2.72		4.49		9.01		13.40		18.38	
Middle CH	1.09		2.74		4.49		9.03		13.43		18.42	
Highest CH	1.08		2.72		4.49		8.97		13.40		18.38	



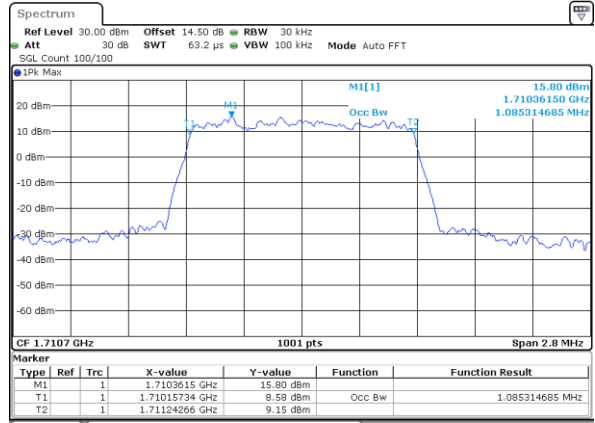
LTE Band 4

Lowest Channel / 1.4MHz / QPSK



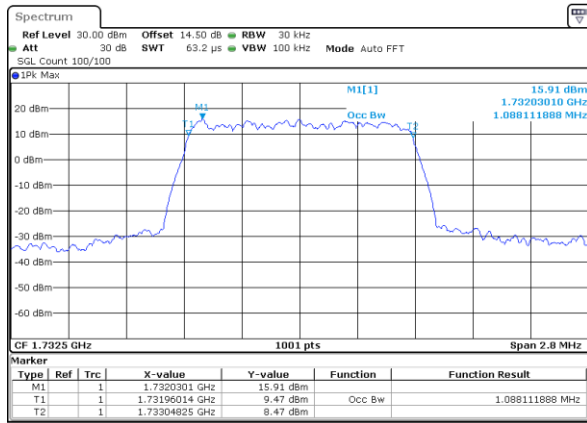
Date: 16.JUL.2019 22:31:31

Lowest Channel / 1.4MHz / 16QAM



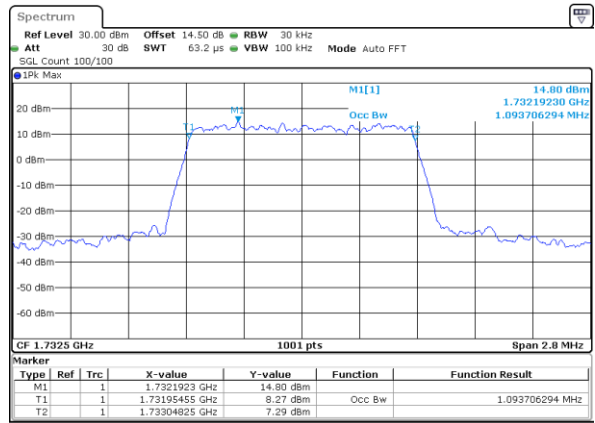
Date: 16.JUL.2019 22:31:42

Middle Channel / 1.4MHz / QPSK



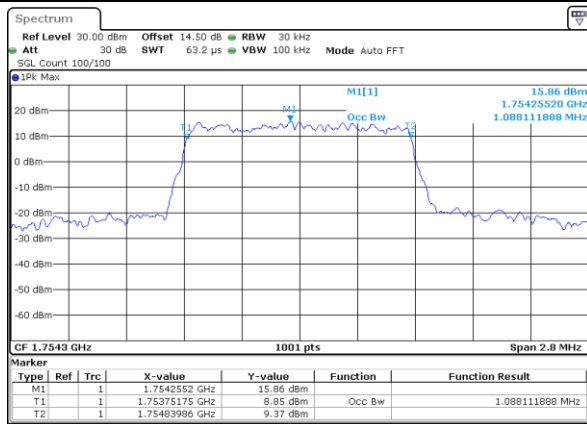
Date: 16.JUL.2019 22:38:37

Middle Channel / 1.4MHz / 16QAM



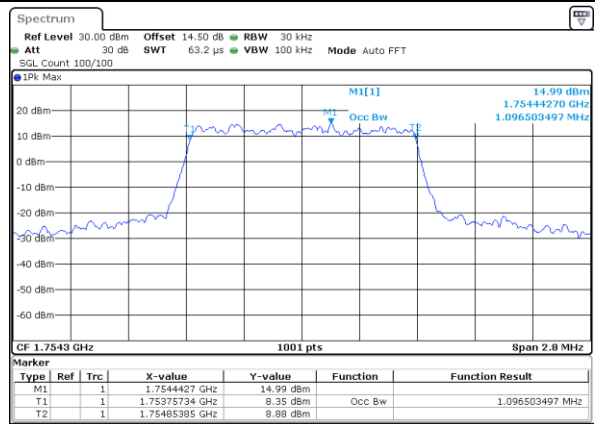
Date: 16.JUL.2019 22:38:47

Highest Channel / 1.4MHz / QPSK



Date: 16.JUL.2019 22:41:06

Highest Channel / 1.4MHz / 16QAM

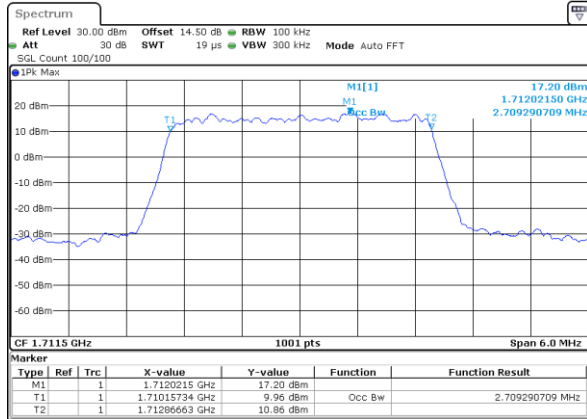


Date: 16.JUL.2019 22:41:17

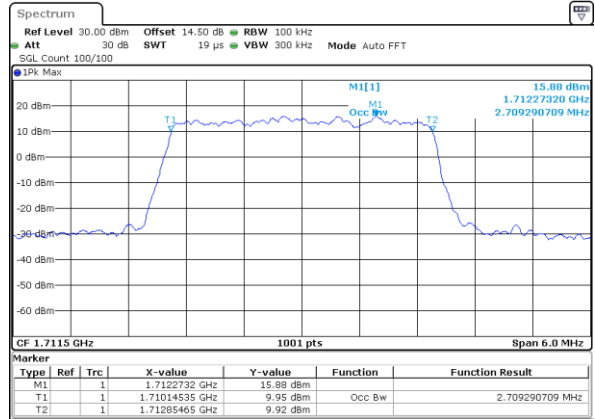


LTE Band 4

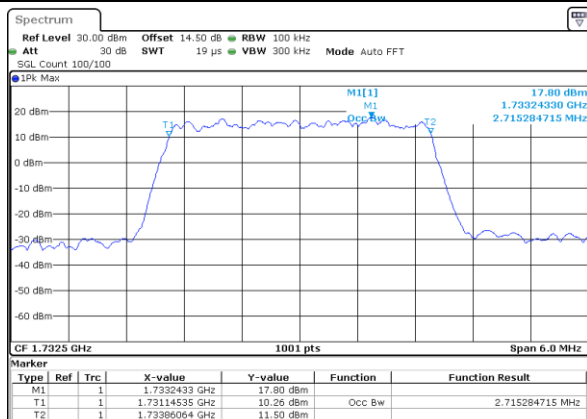
Lowest Channel / 3MHz / QPSK



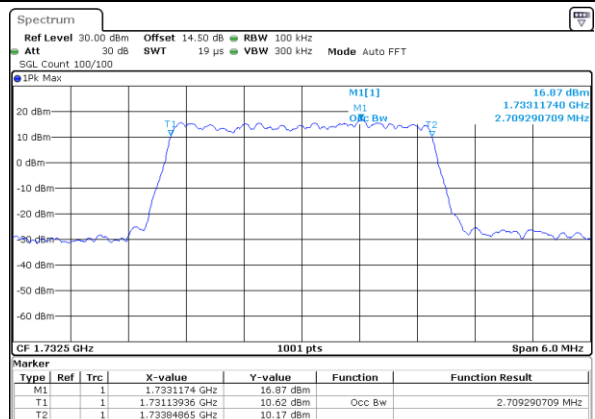
Lowest Channel / 3MHz / 16QAM



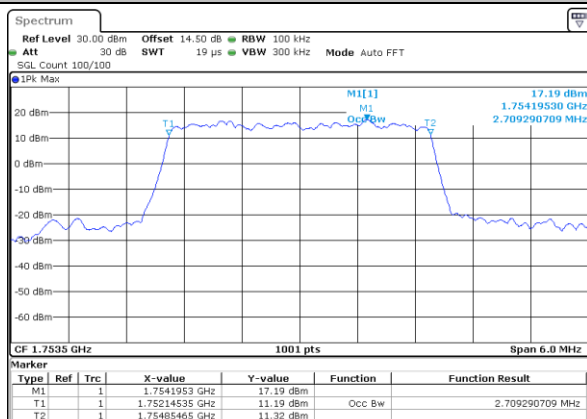
Middle Channel / 3MHz / QPSK



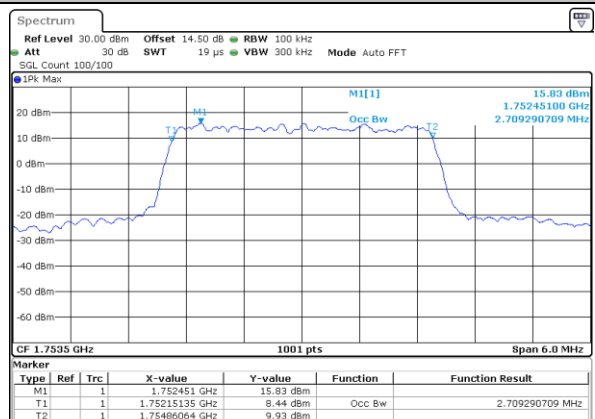
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



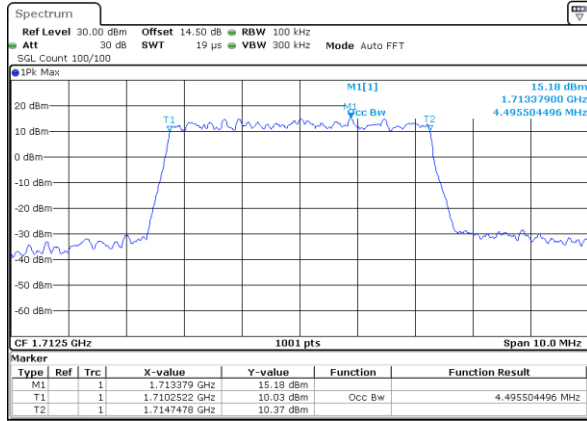
Highest Channel / 3MHz / 16QAM





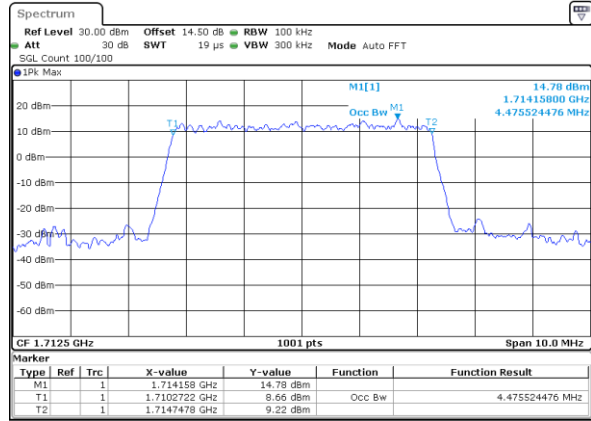
LTE Band 4

Lowest Channel / 5MHz / QPSK



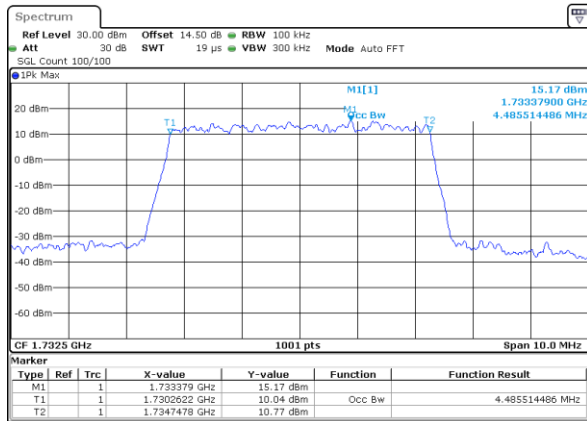
Date: 16.JUL.2019 23:11:33

Lowest Channel / 5MHz / 16QAM



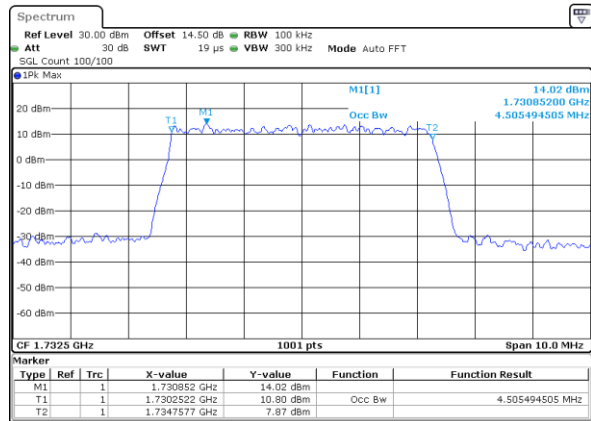
Date: 16.JUL.2019 23:11:43

Middle Channel / 5MHz / QPSK



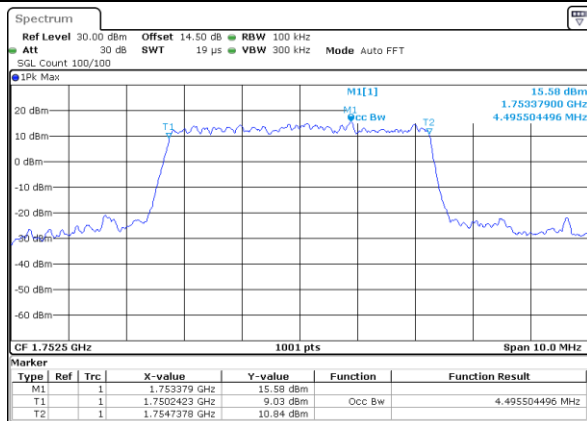
Date: 16.JUL.2019 23:18:38

Middle Channel / 5MHz / 16QAM



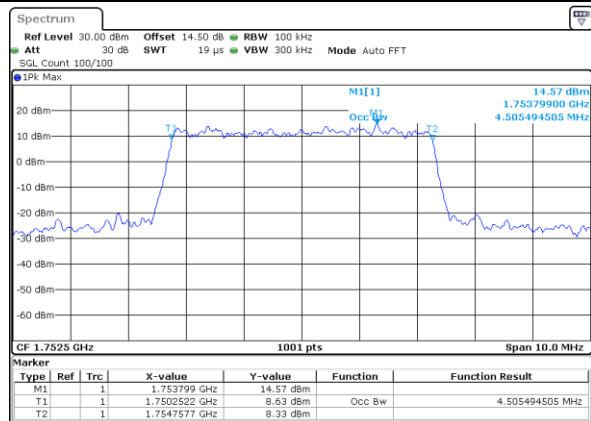
Date: 16.JUL.2019 23:18:48

Highest Channel / 5MHz / QPSK



Date: 16.JUL.2019 23:21:07

Highest Channel / 5MHz / 16QAM

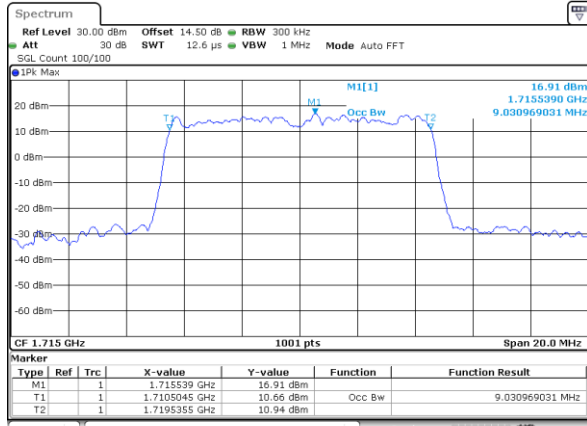


Date: 16.JUL.2019 23:21:17



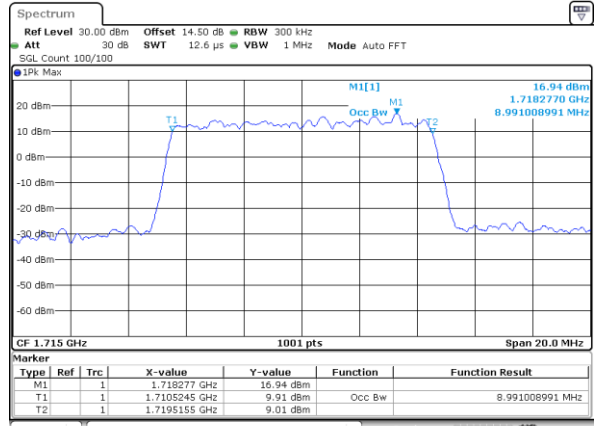
LTE Band 4

Lowest Channel / 10MHz / QPSK



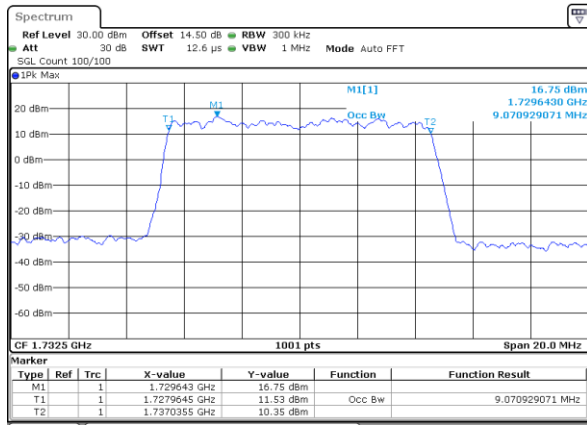
Date: 16.JUL.2019 23:34:59

Lowest Channel / 10MHz / 16QAM



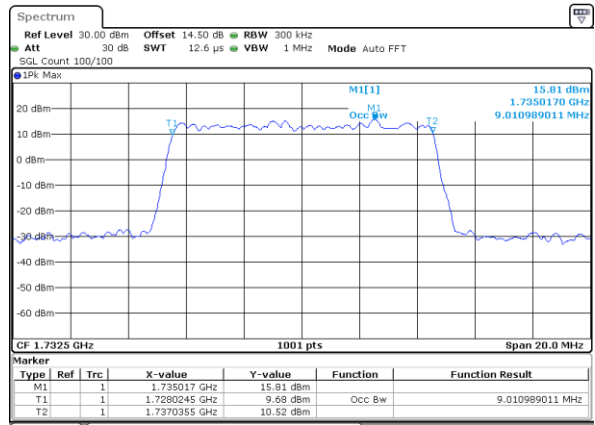
Date: 16.JUL.2019 23:35:09

Middle Channel / 10MHz / QPSK



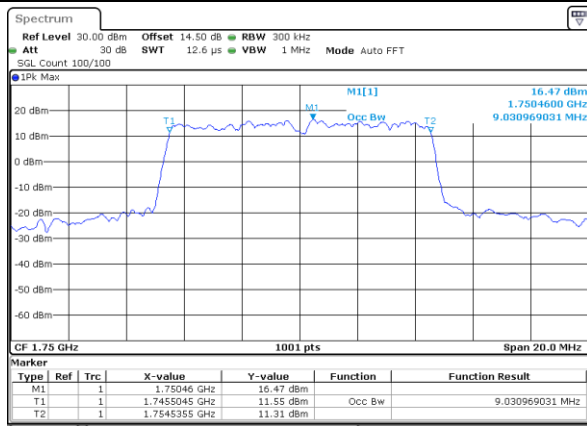
Date: 16.JUL.2019 23:42:04

Middle Channel / 10MHz / 16QAM



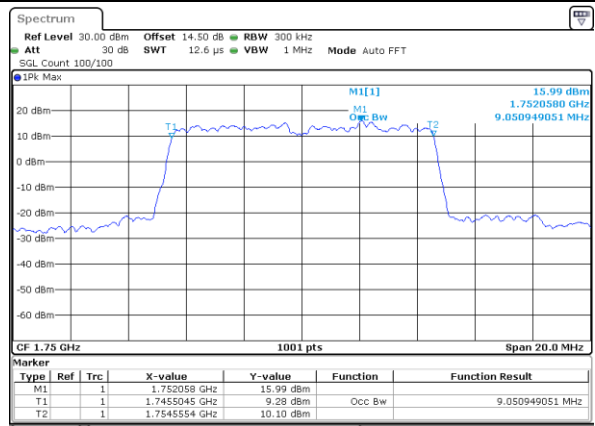
Date: 16.JUL.2019 23:42:14

Highest Channel / 10MHz / QPSK



Date: 16.JUL.2019 23:44:33

Highest Channel / 10MHz / 16QAM

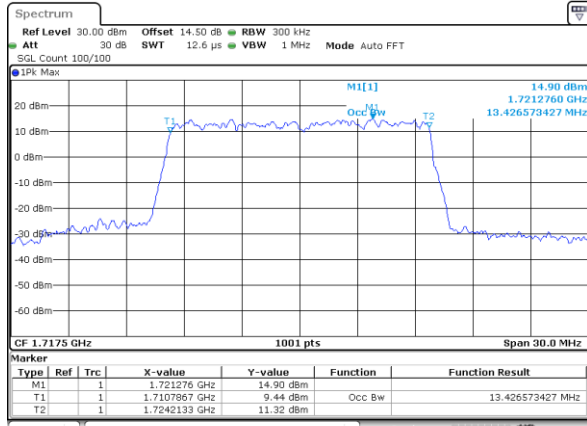


Date: 16.JUL.2019 23:44:43



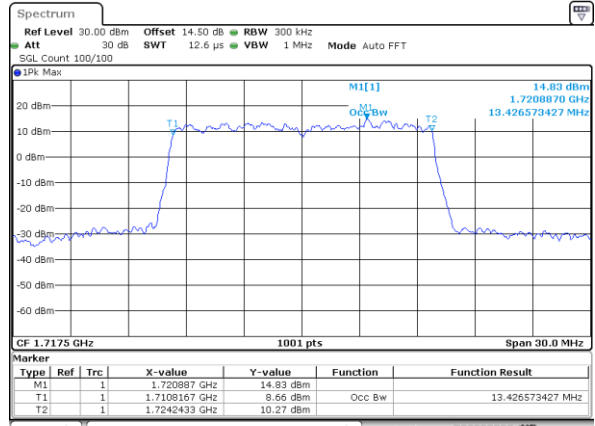
LTE Band 4

Lowest Channel / 15MHz / QPSK



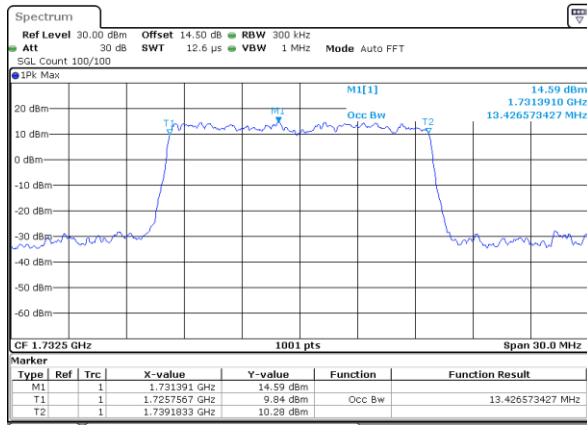
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Lowest Channel / 15MHz / 16QAM



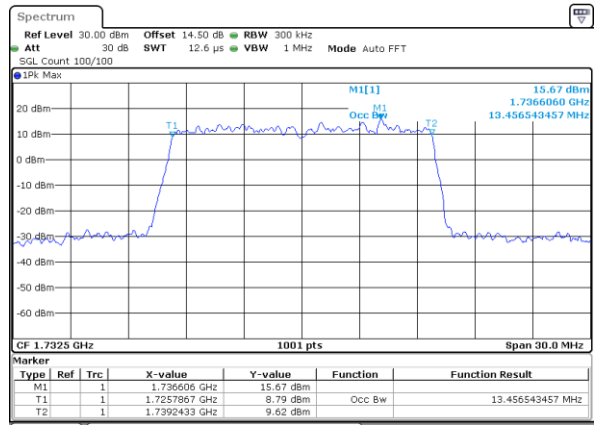
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Middle Channel / 15MHz / QPSK



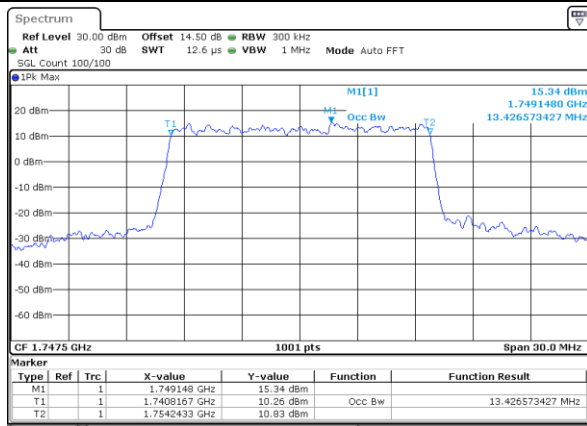
Date: 17.JUL.2019 00:02:33

Middle Channel / 15MHz / 16QAM



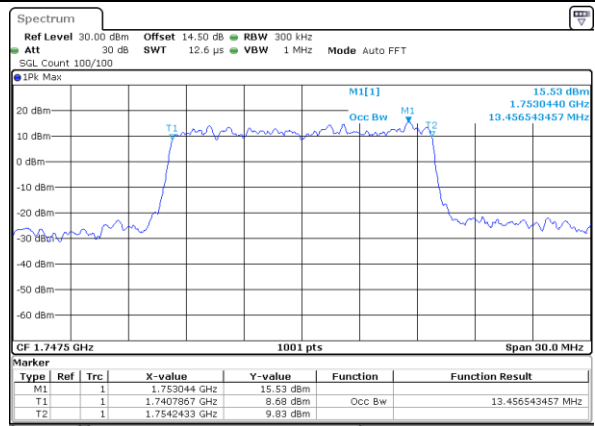
Date: 17.JUL.2019 00:02:43

Highest Channel / 15MHz / QPSK



Date: 17.JUL.2019 00:05:02

Highest Channel / 15MHz / 16QAM

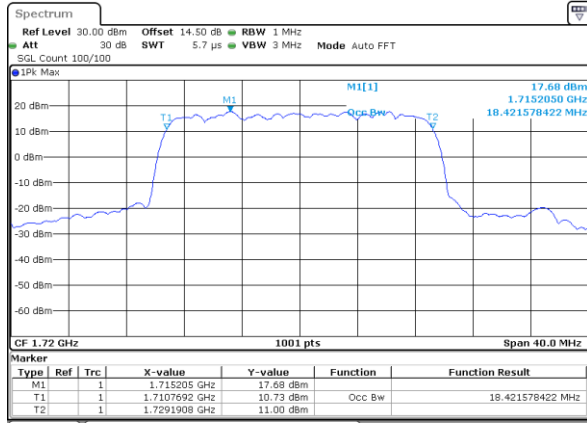


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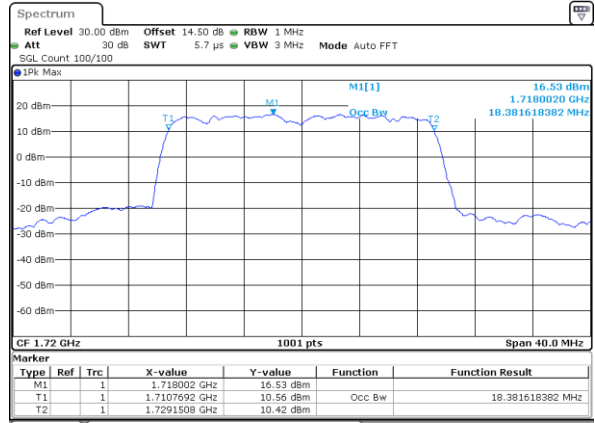


LTE Band 4

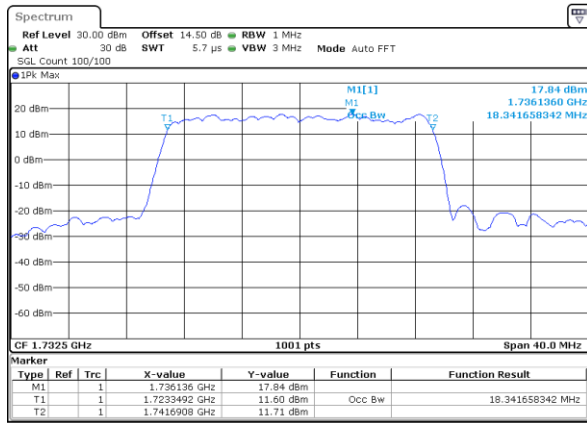
Lowest Channel / 20MHz / QPSK



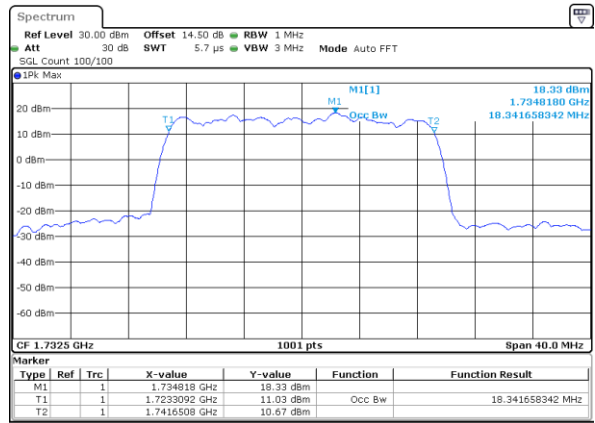
Lowest Channel / 20MHz / 16QAM



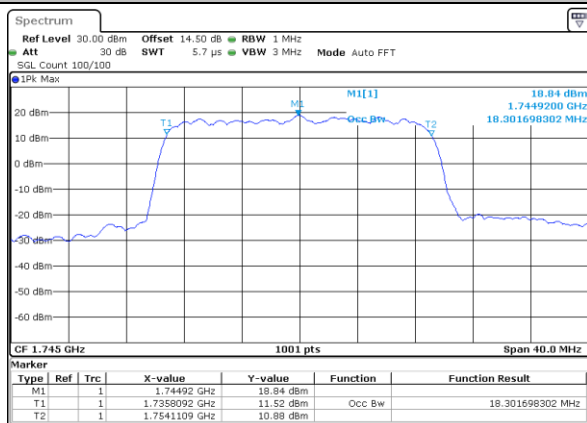
Middle Channel / 20MHz / QPSK



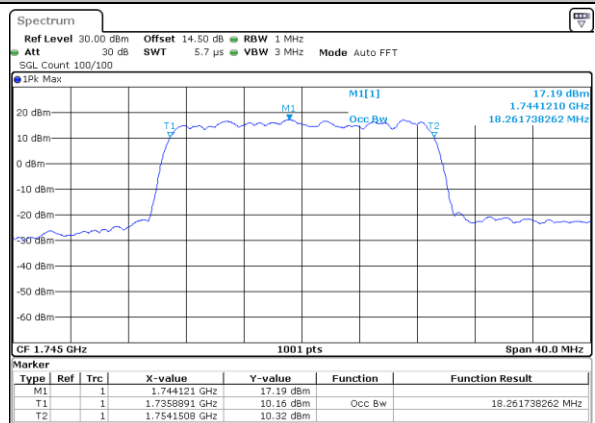
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



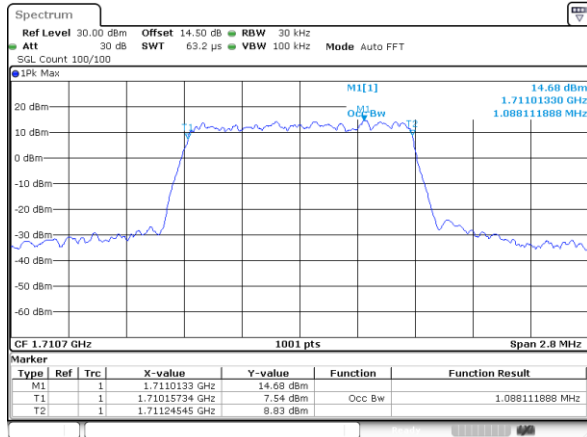
Highest Channel / 20MHz / 16QAM



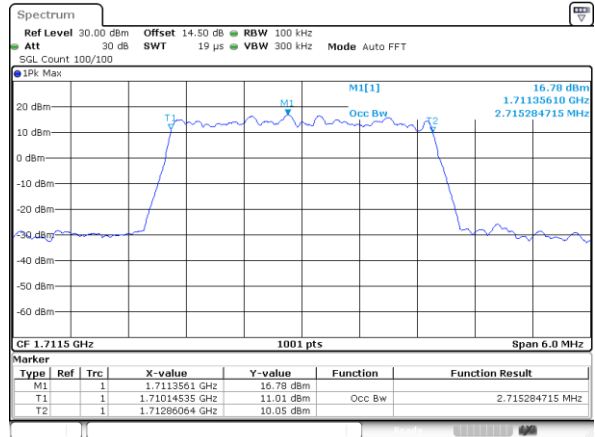


LTE Band 4

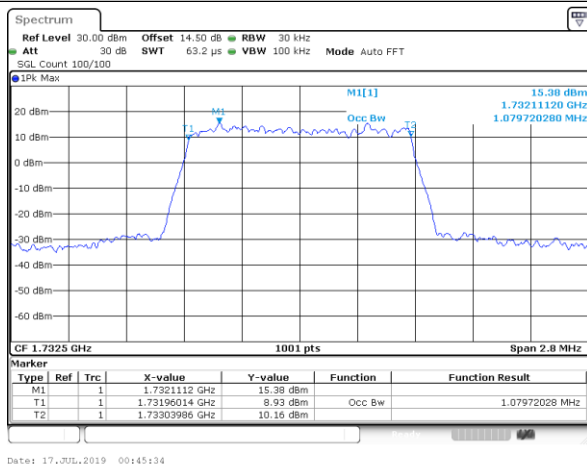
Lowest Channel / 1.4MHz / 64QAM



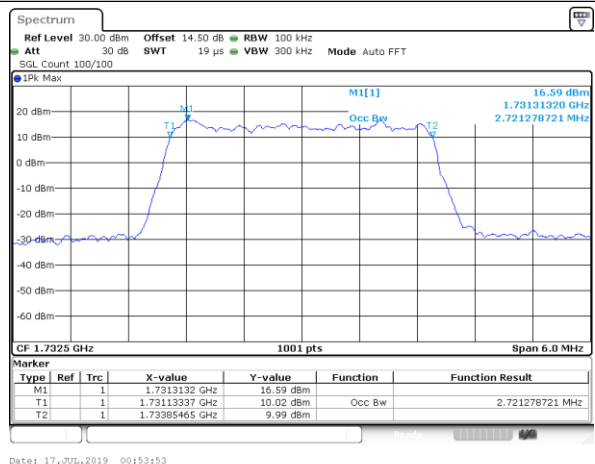
Lowest Channel / 3MHz / 64QAM



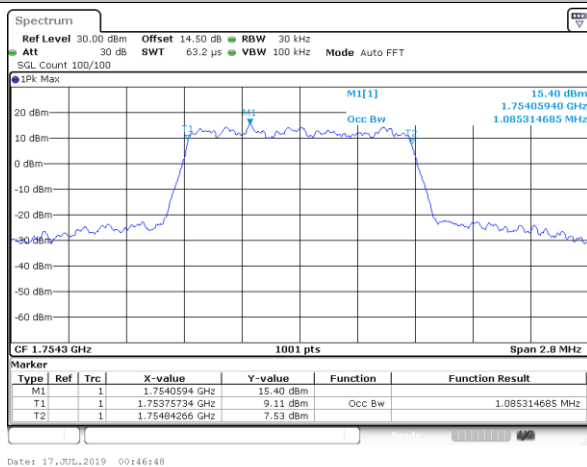
Middle Channel / 1.4MHz / 64QAM



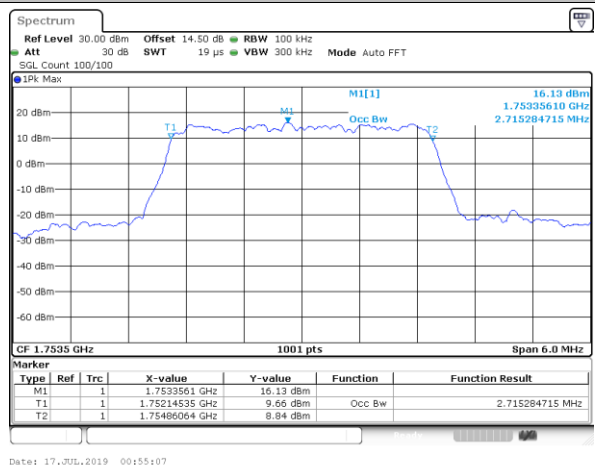
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM



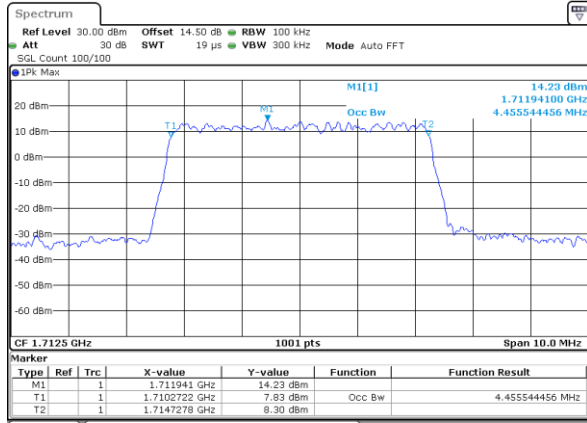
Highest Channel / 3MHz / 64QAM





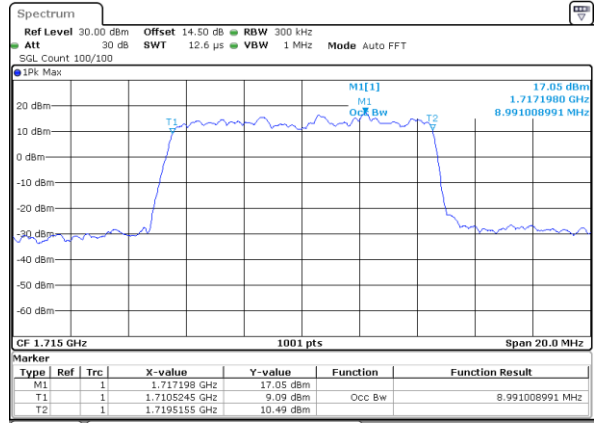
LTE Band 4

Lowest Channel / 5MHz / 64QAM



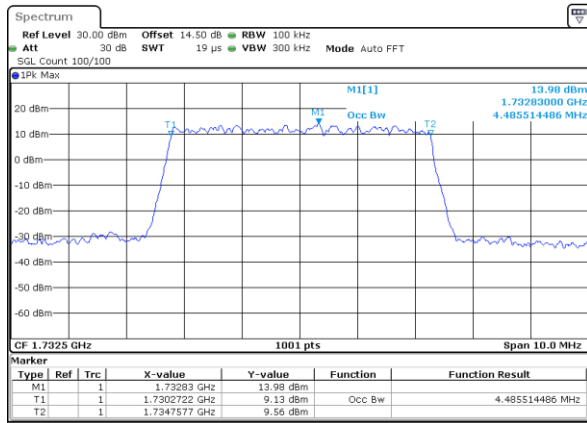
Date: 17.JUL.2019 00:58:40

Lowest Channel / 10MHz / 64QAM



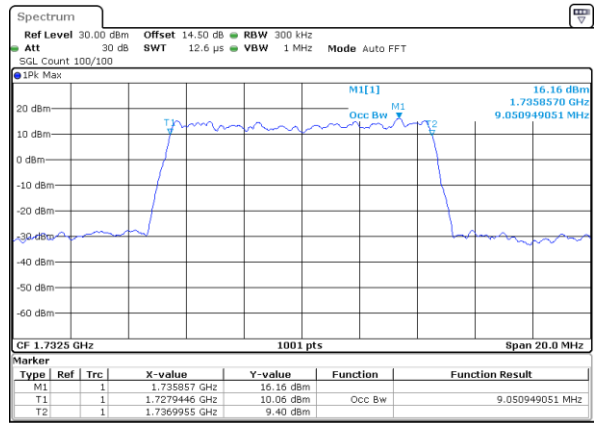
Date: 17.JUL.2019 01:06:58

Middle Channel / 5MHz / 64QAM



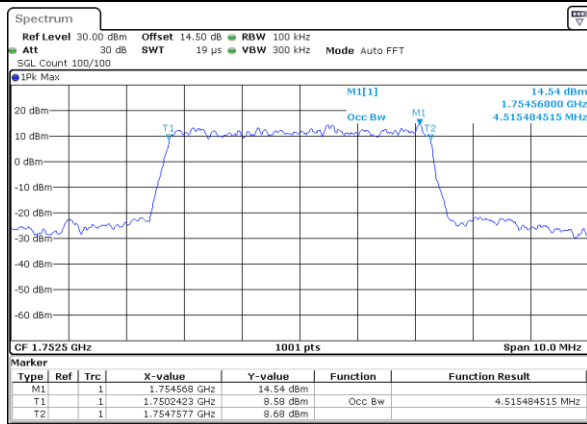
Date: 17.JUL.2019 01:02:12

Middle Channel / 10MHz / 64QAM



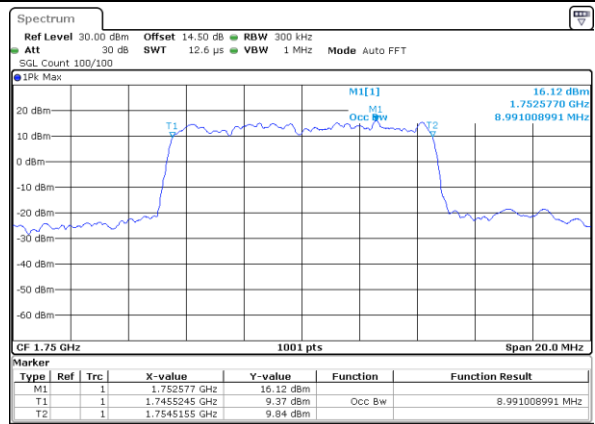
Date: 17.JUL.2019 01:10:30

Highest Channel / 5MHz / 64QAM



Date: 17.JUL.2019 01:03:26

Highest Channel / 10MHz / 64QAM

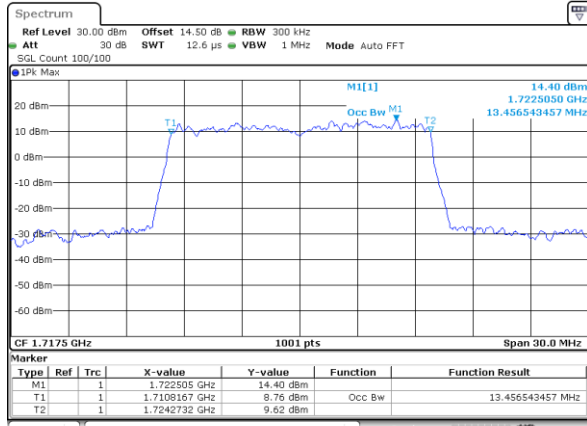


Date: 17.JUL.2019 01:11:45



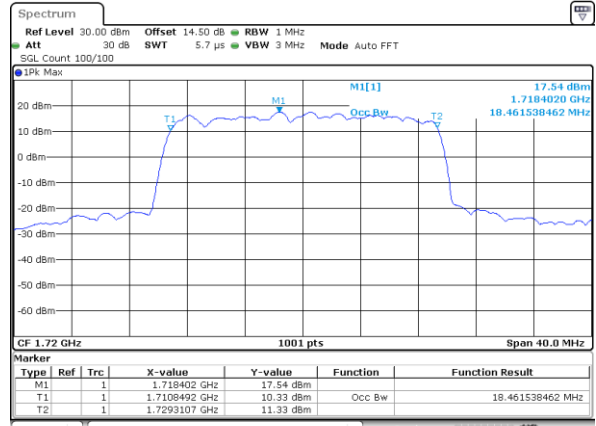
LTE Band 4

Lowest Channel / 15MHz / 64QAM



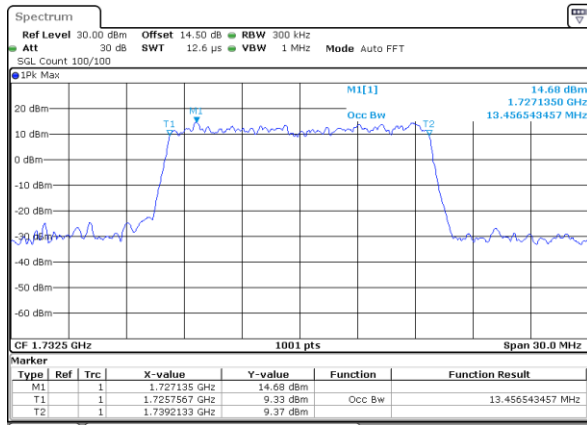
Date: 17.JUL.2019 01:15:17

Lowest Channel / 20MHz / 64QAM



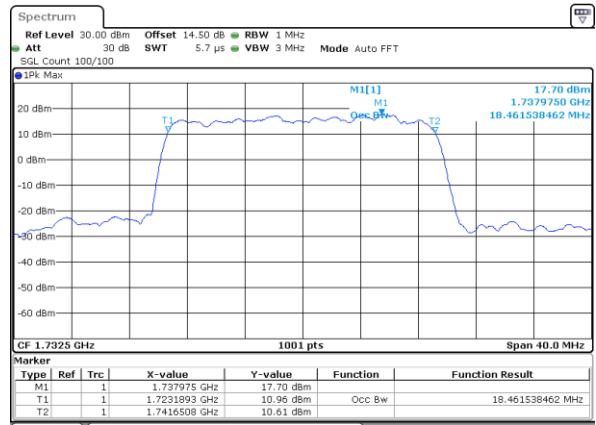
Date: 17.JUL.2019 01:23:35

Middle Channel / 15MHz / 64QAM



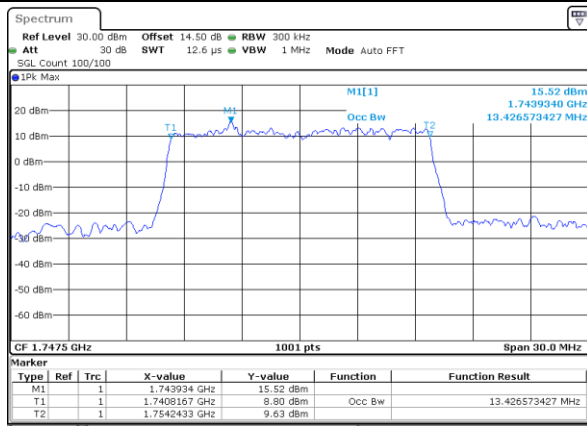
Date: 17.JUL.2019 01:18:49

Middle Channel / 20MHz / 64QAM



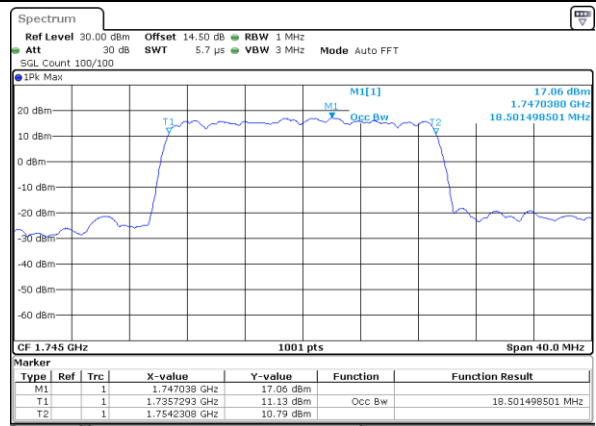
Date: 17.JUL.2019 01:27:08

Highest Channel / 15MHz / 64QAM



Date: 17.JUL.2019 01:20:03

Highest Channel / 20MHz / 64QAM

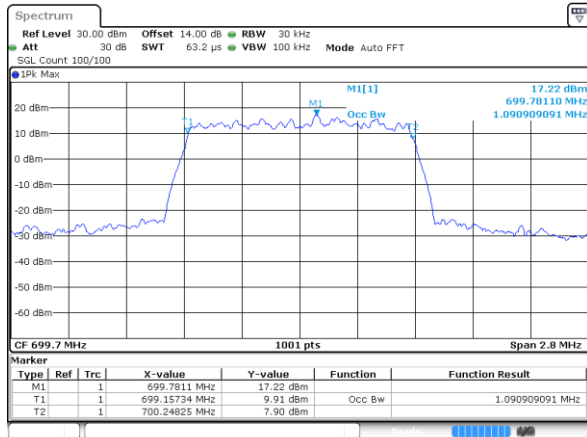


Date: 17.JUL.2019 01:28:22

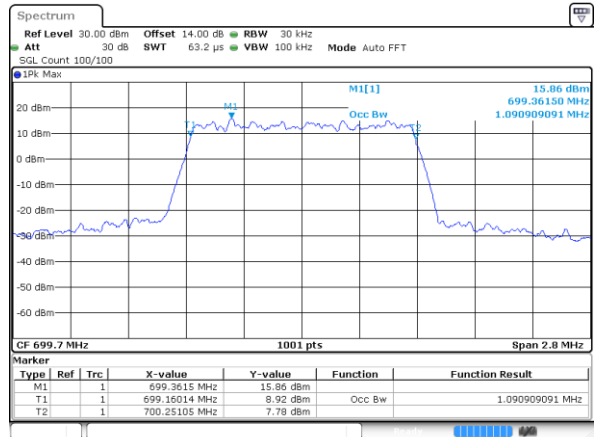


LTE Band 12

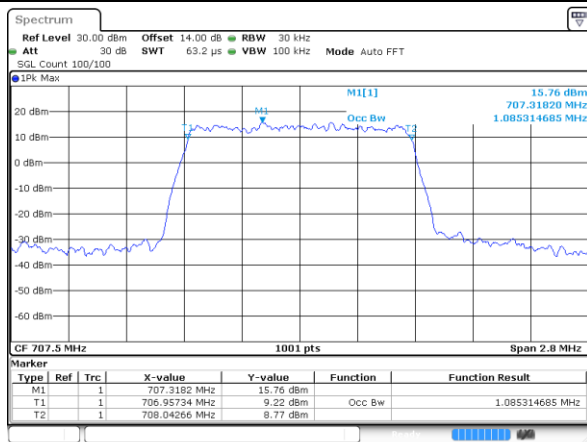
Lowest Channel / 1.4MHz / QPSK



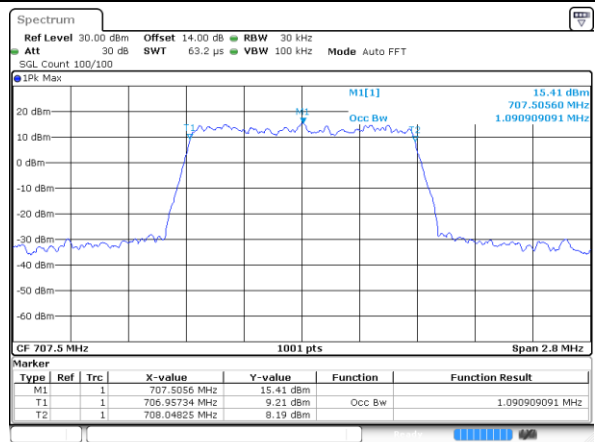
Lowest Channel / 1.4MHz / 16QAM



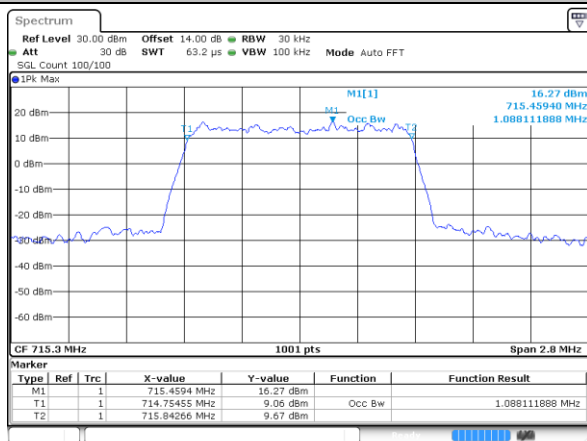
Middle Channel / 1.4MHz / QPSK



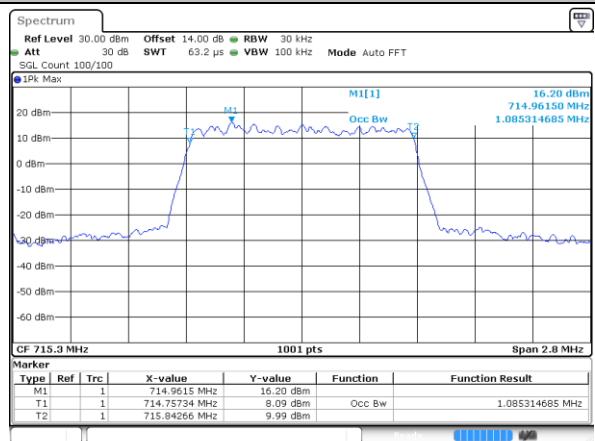
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



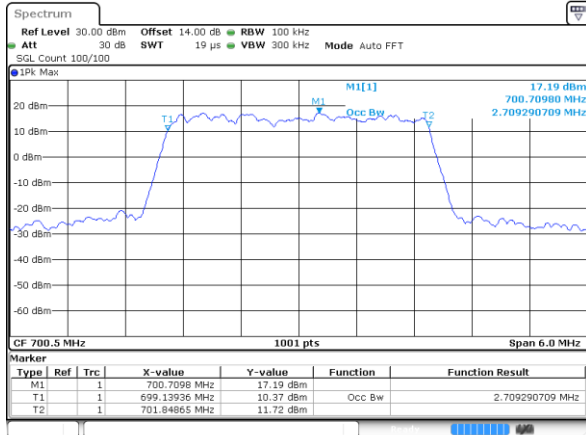
Highest Channel / 1.4MHz / 16QAM



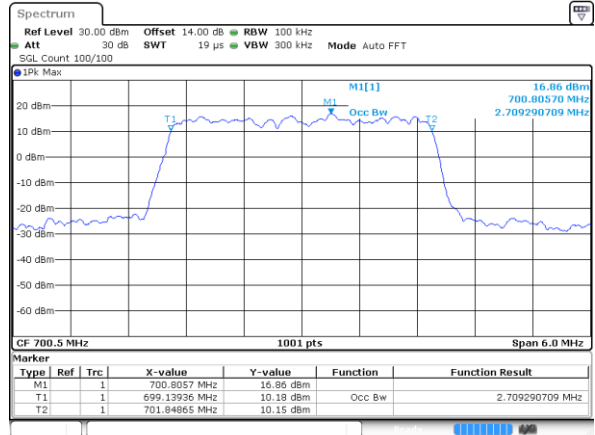


LTE Band 12

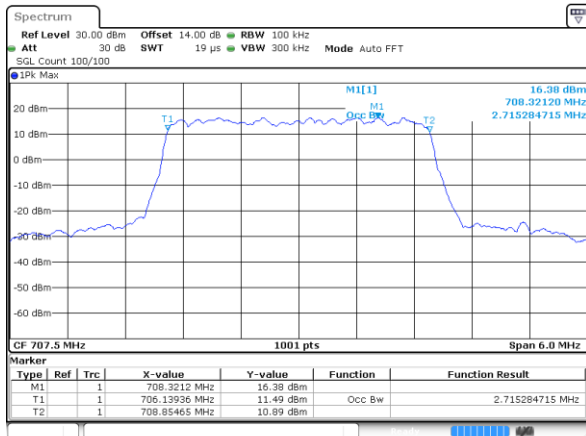
Lowest Channel / 3MHz / QPSK



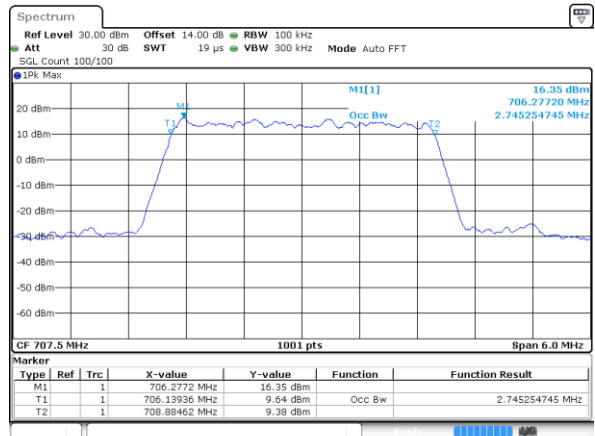
Lowest Channel / 3MHz / 16QAM



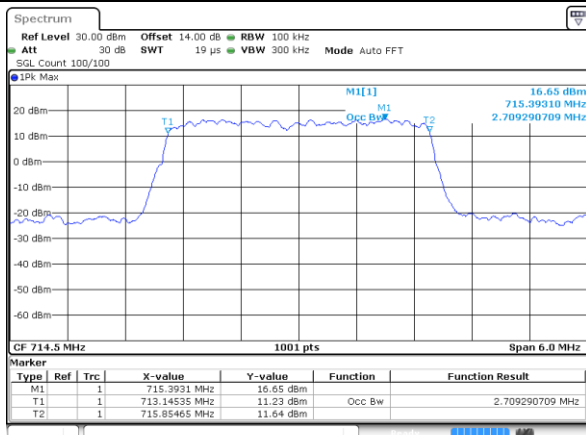
Middle Channel / 3MHz / QPSK



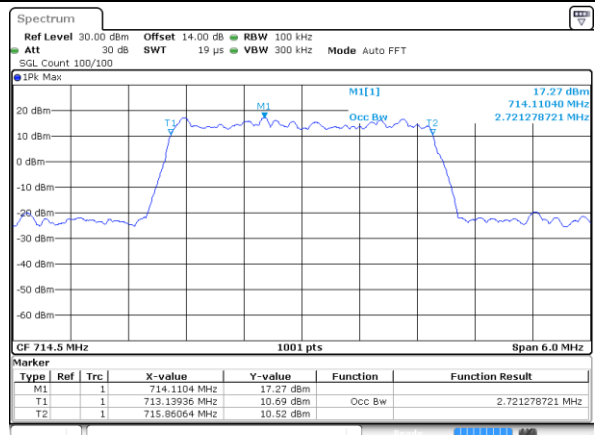
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



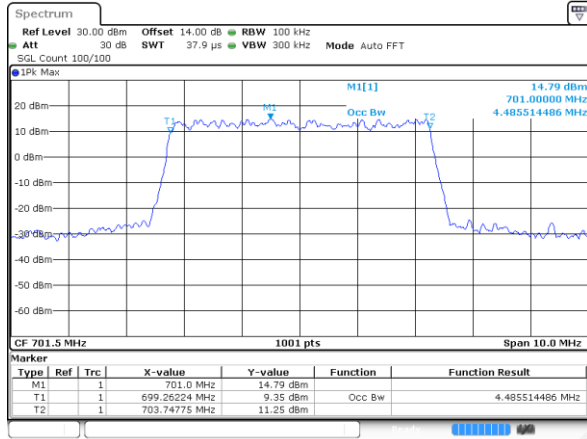
Highest Channel / 3MHz / 16QAM



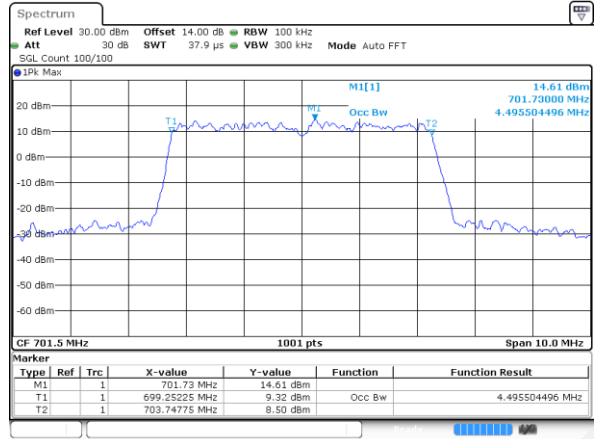


LTE Band 12

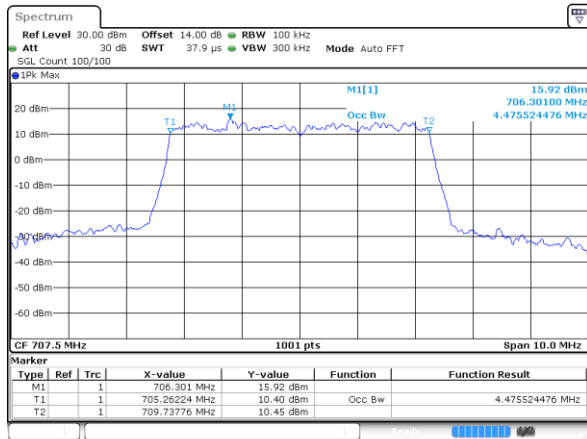
Lowest Channel / 5MHz / QPSK



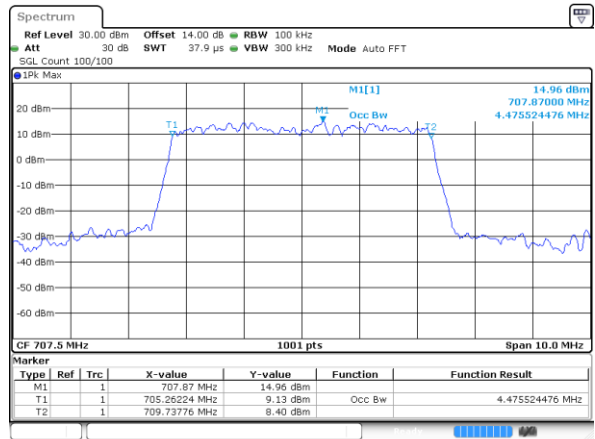
Lowest Channel / 5MHz / 16QAM



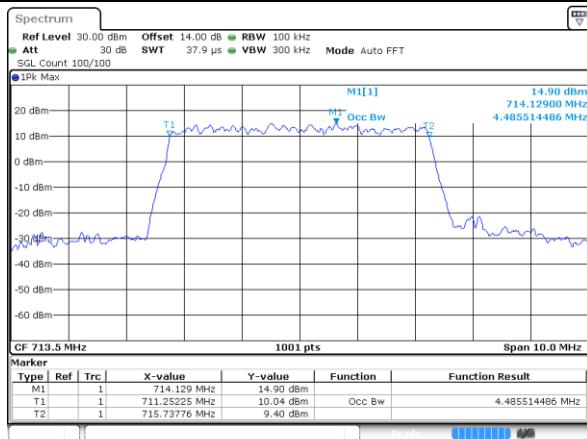
Middle Channel / 5MHz / QPSK



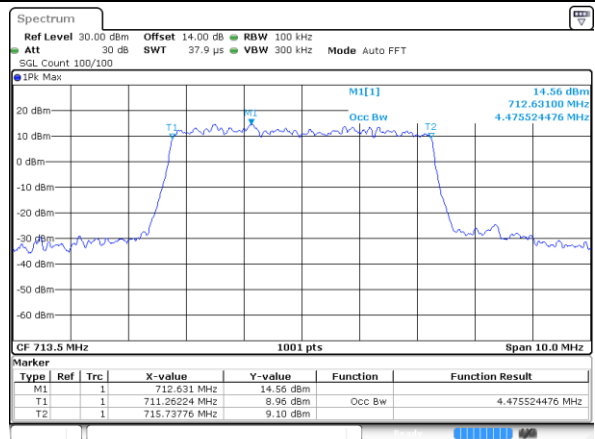
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



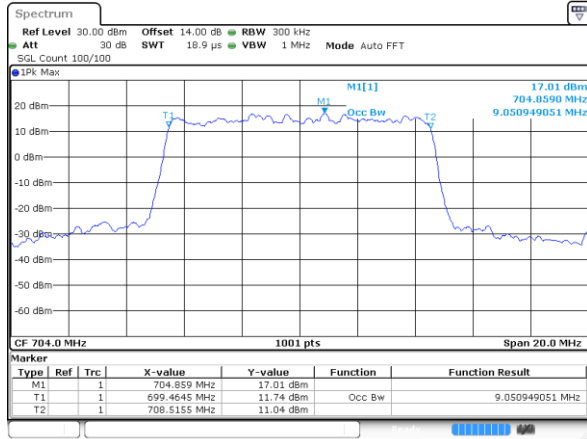
Highest Channel / 5MHz / 16QAM



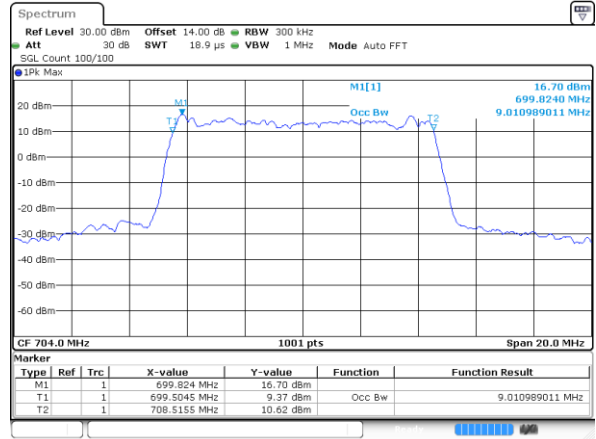


LTE Band 12

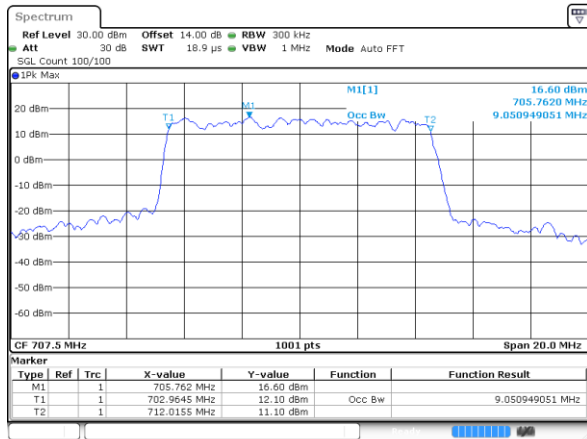
Lowest Channel / 10MHz / QPSK



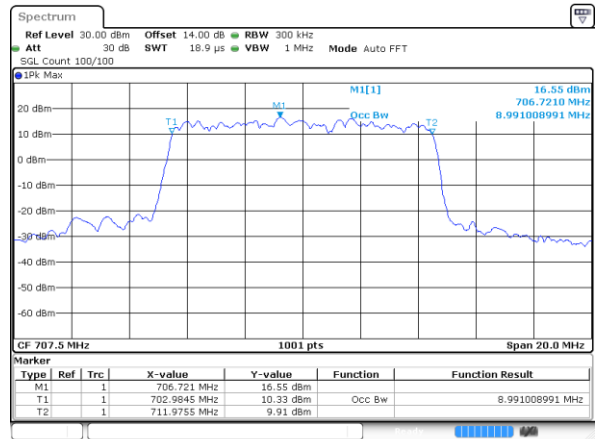
Lowest Channel / 10MHz / 16QAM



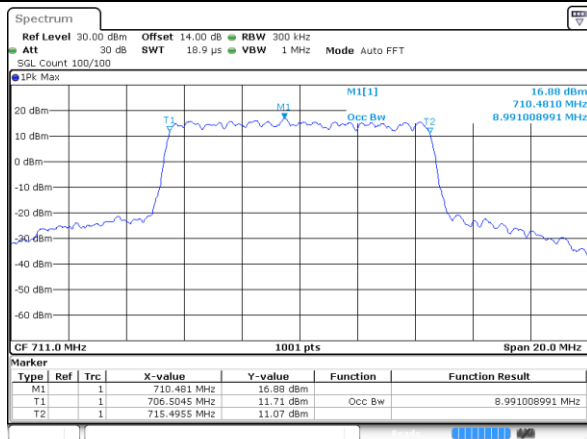
Middle Channel / 10MHz / QPSK



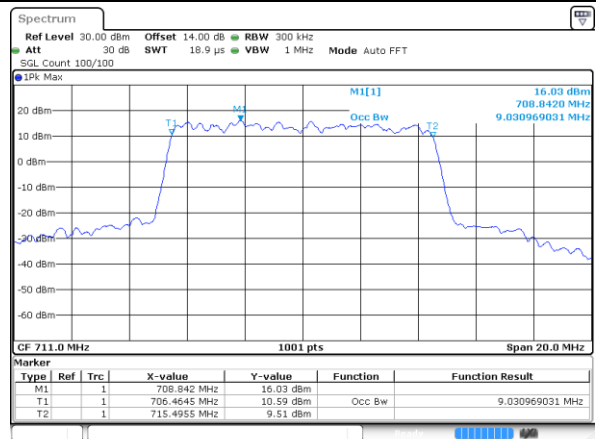
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



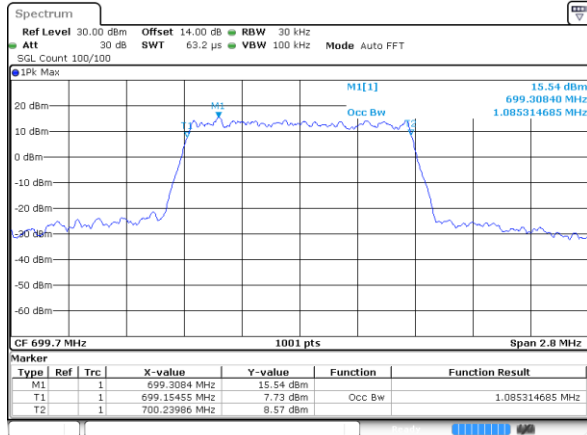
Highest Channel / 10MHz / 16QAM



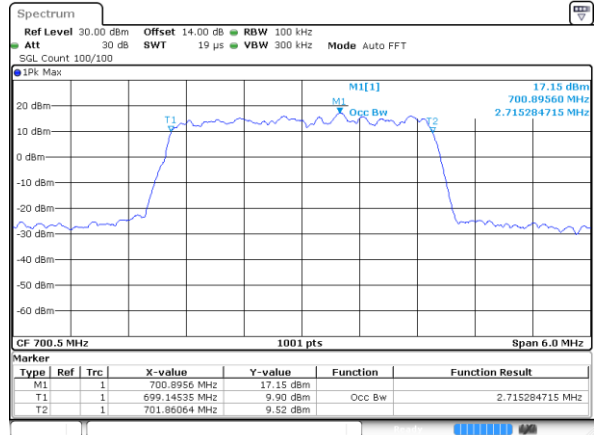


LTE Band 12

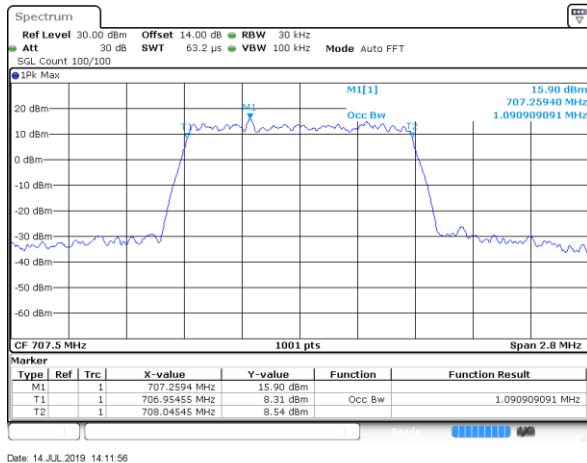
Lowest Channel / 1.4MHz / 64QAM



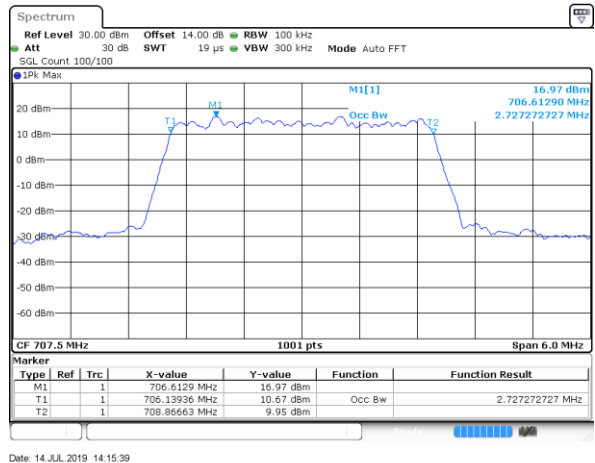
Lowest Channel / 3MHz / 64QAM



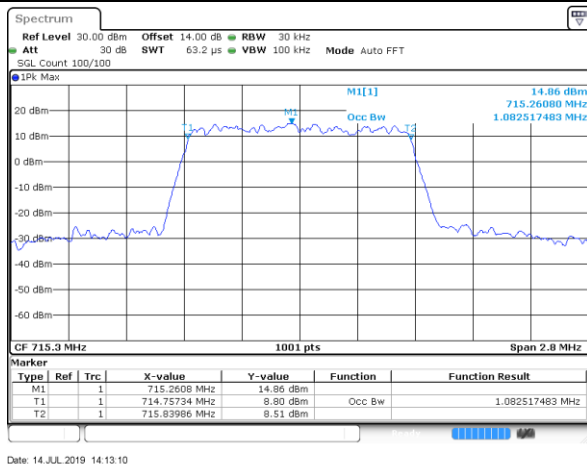
Middle Channel / 1.4MHz / 64QAM



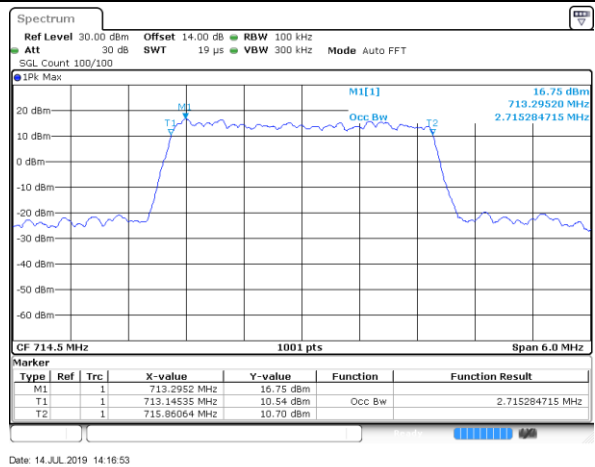
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM



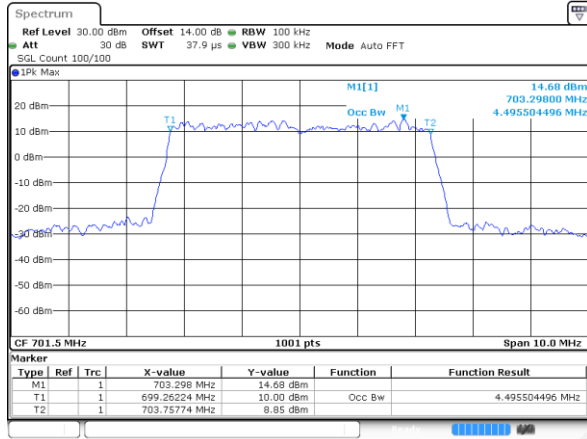
Highest Channel / 3MHz / 64QAM



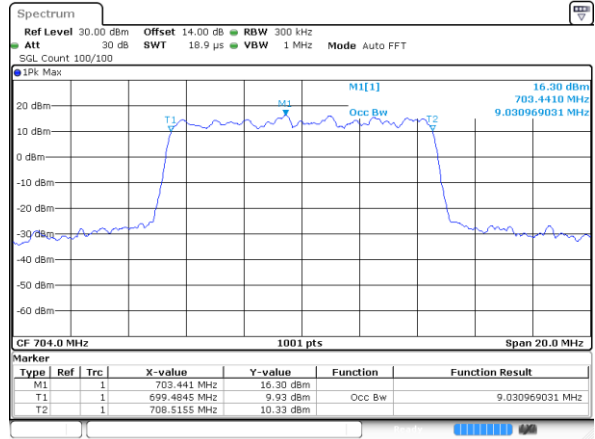


LTE Band 12

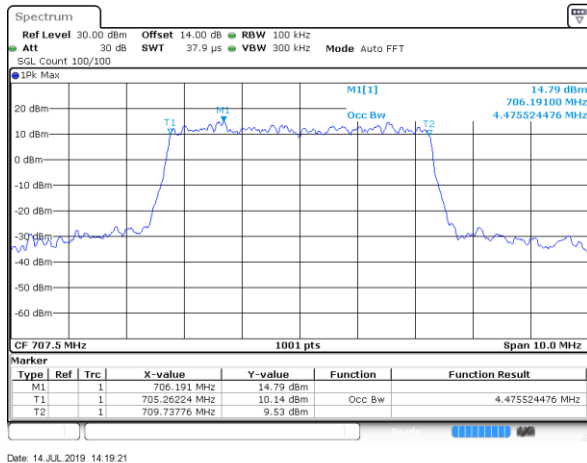
Lowest Channel / 5MHz / 64QAM



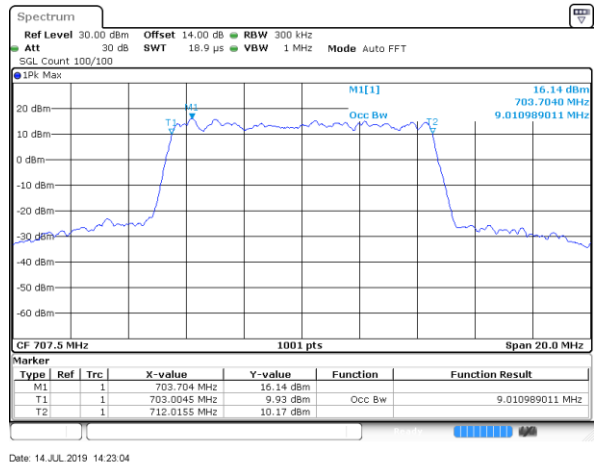
Lowest Channel / 10MHz / 64QAM



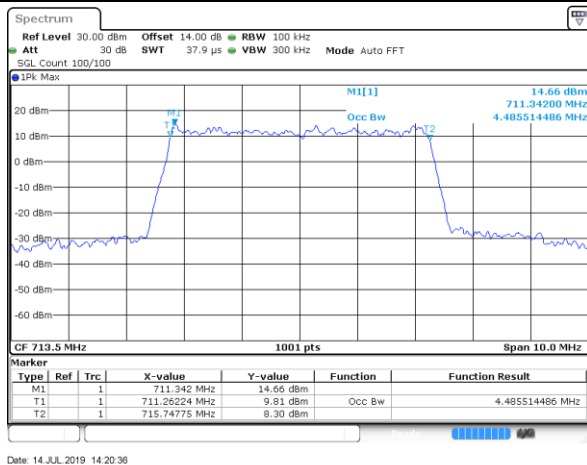
Middle Channel / 5MHz / 64QAM



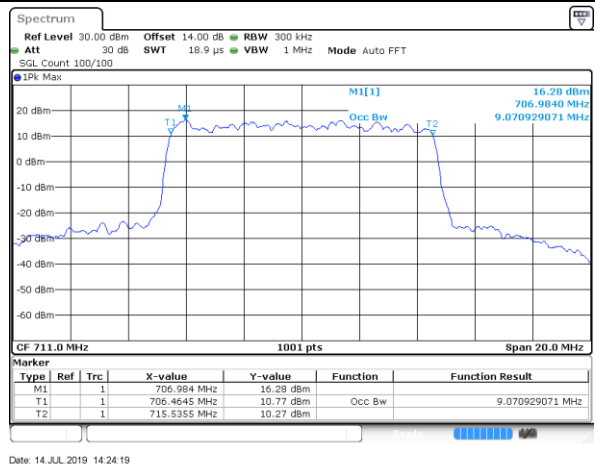
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



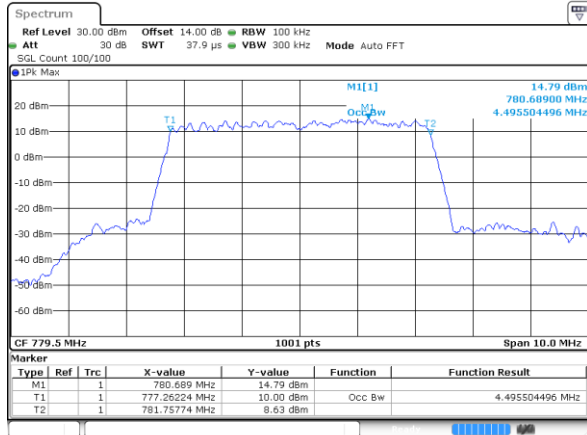
Highest Channel / 10MHz / 64QAM





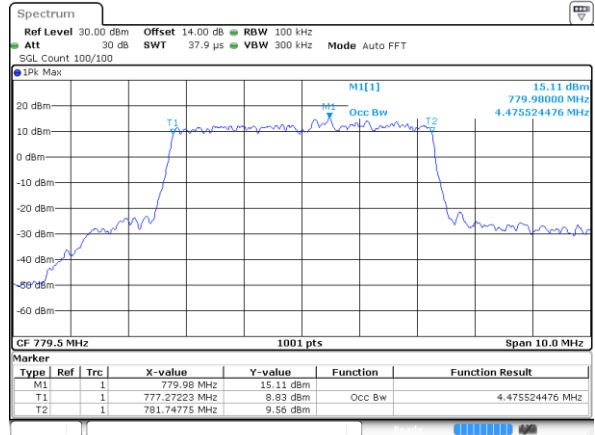
LTE Band 13

Lowest Channel / 5MHz / QPSK



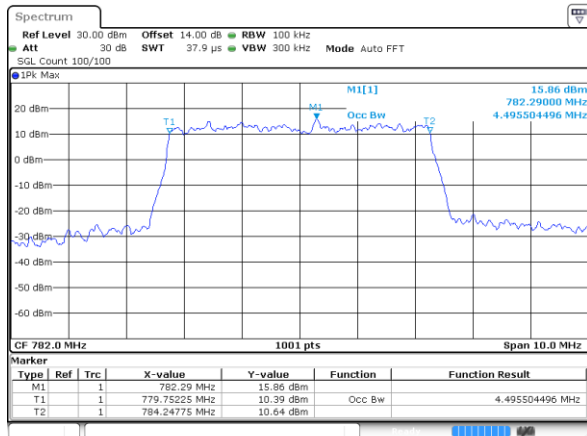
Date: 22 JUL 2019 11:59:07

Lowest Channel / 5MHz / 16QAM



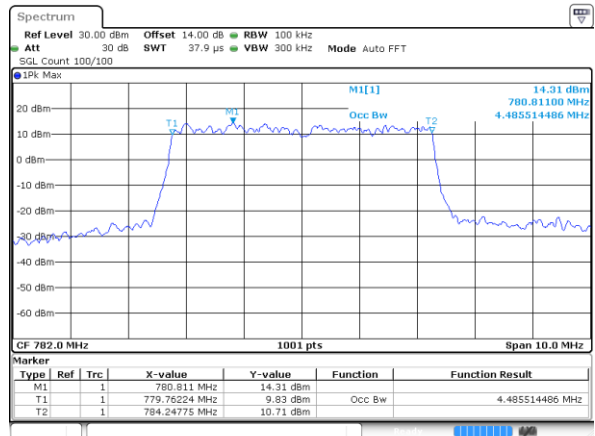
Date: 22 JUL 2019 11:59:17

Middle Channel / 5MHz / QPSK



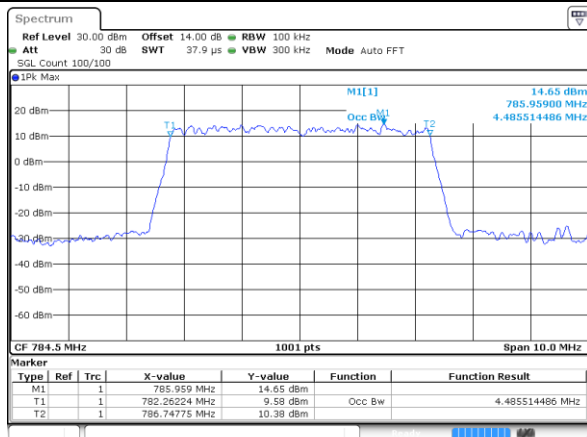
Date: 22 JUL 2019 12:08:07

Middle Channel / 5MHz / 16QAM



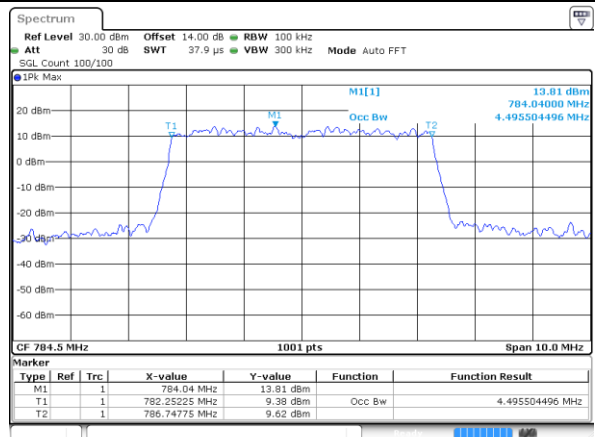
Date: 22 JUL 2019 12:08:17

Highest Channel / 5MHz / QPSK



Date: 22 JUL 2019 12:10:35

Highest Channel / 5MHz / 16QAM

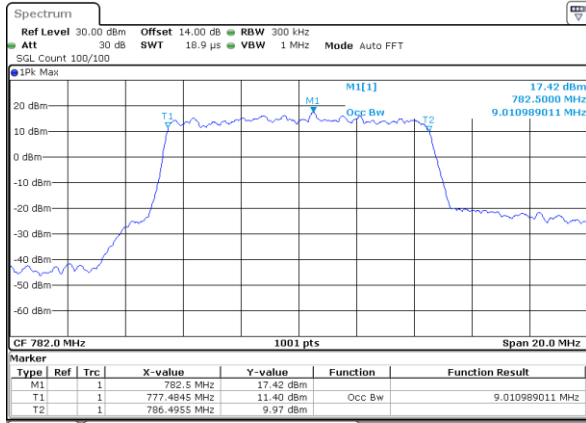


Date: 22 JUL 2019 12:10:45



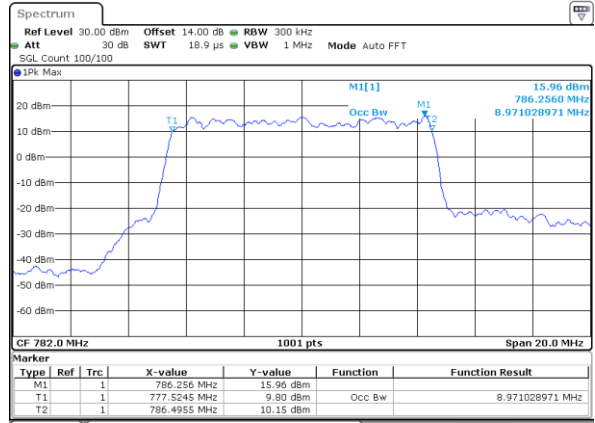
LTE Band 13

Middle Channel / 10MHz / QPSK

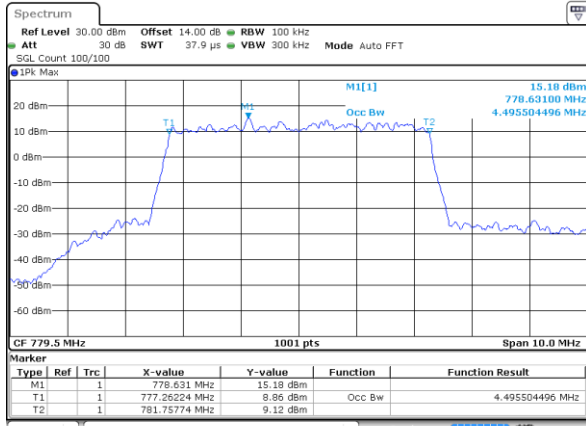


Date: 22 JUL 2019 12:19:44

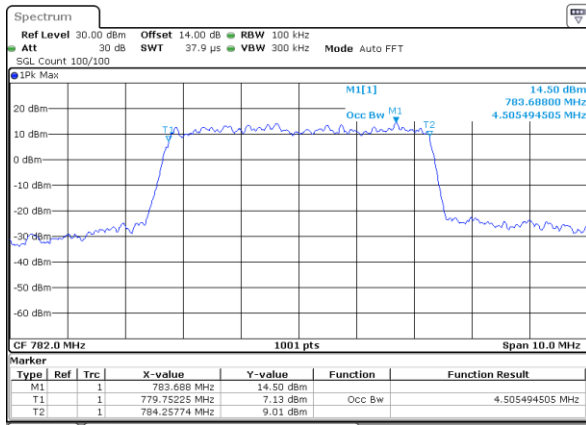
Middle Channel / 10MHz / 16QAM



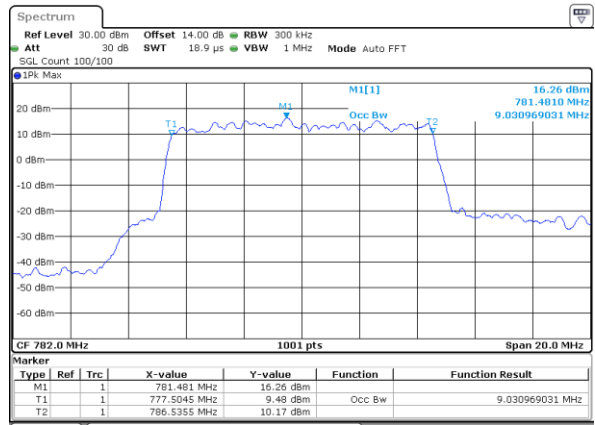
Date: 22 JUL 2019 12:19:54

LTE Band 13
Lowest Channel / 5MHz / 64QAM


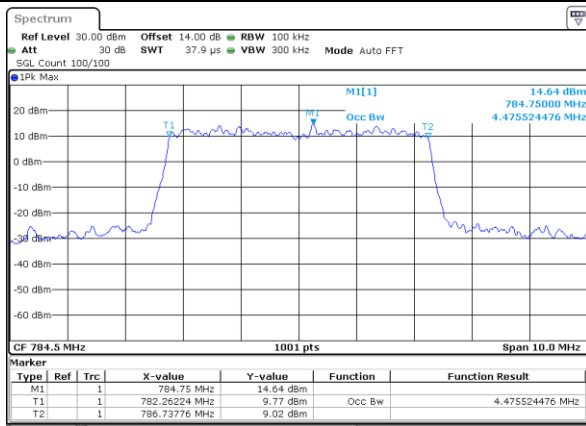
Date: 22 JUL 2019 14:24:11

Middle Channel / 5MHz / 64QAM


Date: 22 JUL 2019 14:24:21

Middle Channel / 10MHz / 64QAM


Date: 22 JUL 2019 14:49:30

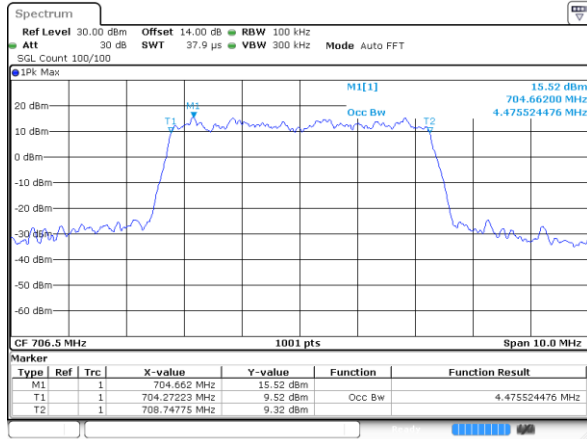
Highest Channel / 5MHz / 64QAM


Date: 22 JUL 2019 14:24:31

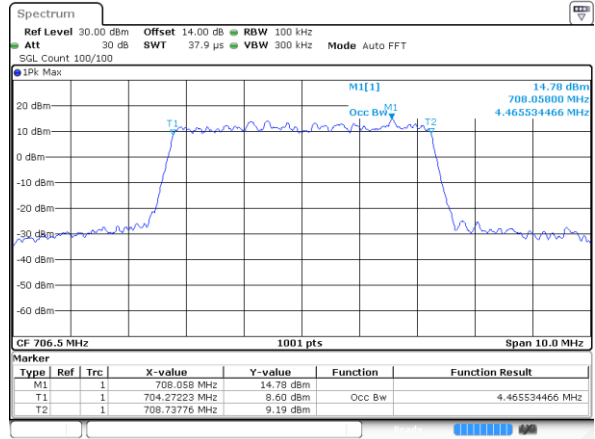


LTE Band 17

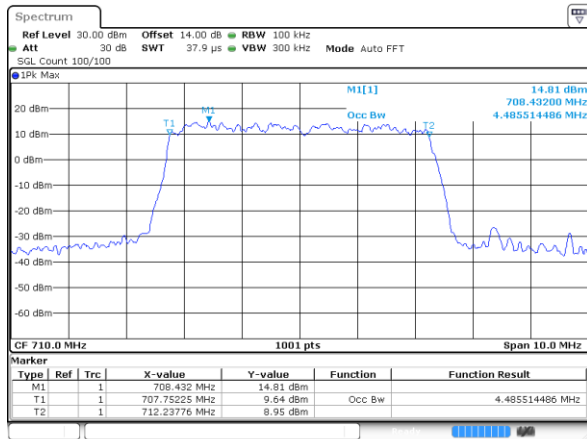
Lowest Channel / 5MHz / QPSK



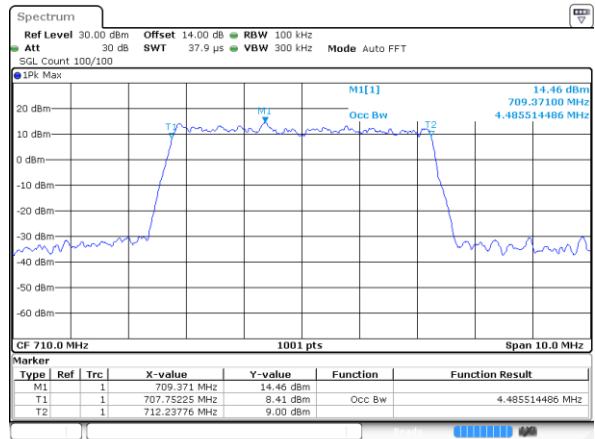
Lowest Channel / 5MHz / 16QAM



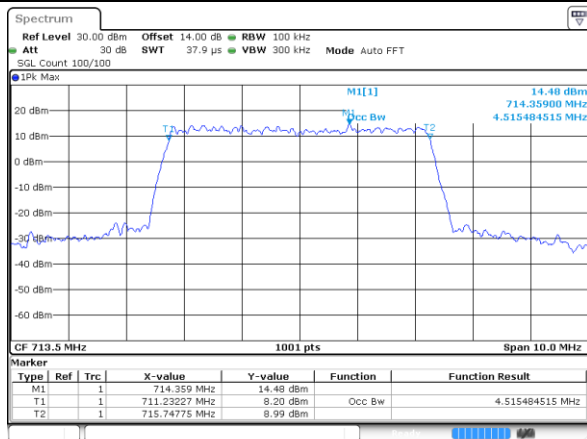
Middle Channel / 5MHz / QPSK



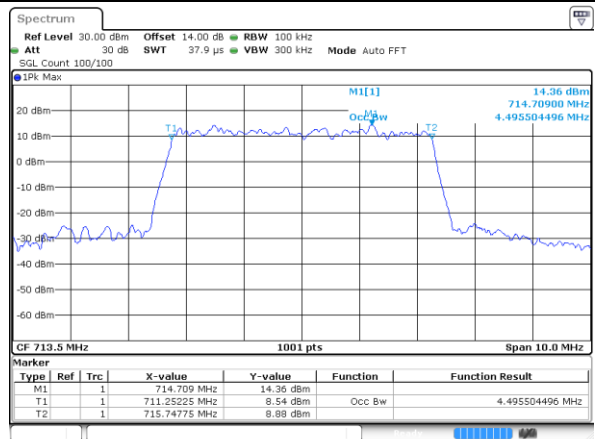
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



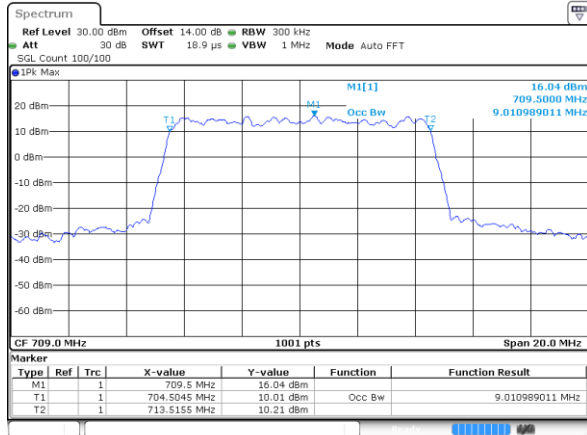
Highest Channel / 5MHz / 16QAM



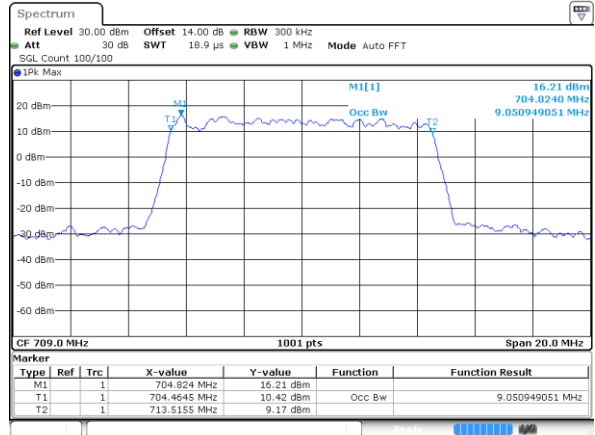


LTE Band 17

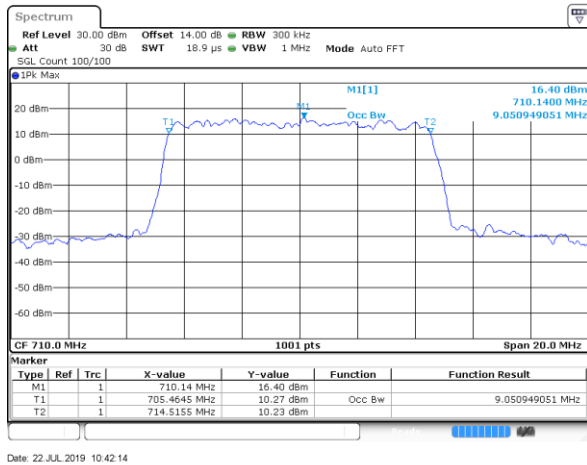
Lowest Channel / 10MHz / QPSK



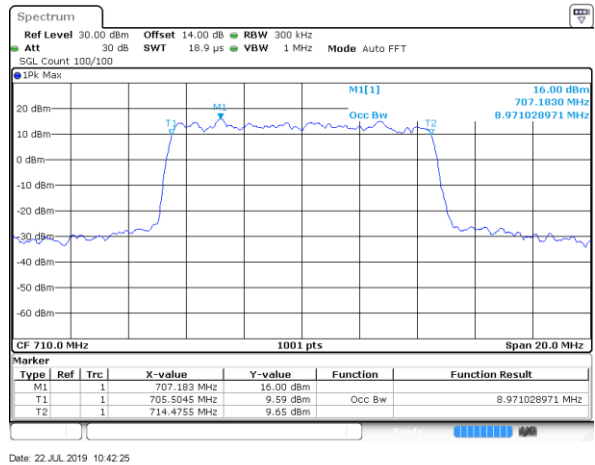
Lowest Channel / 10MHz / 16QAM



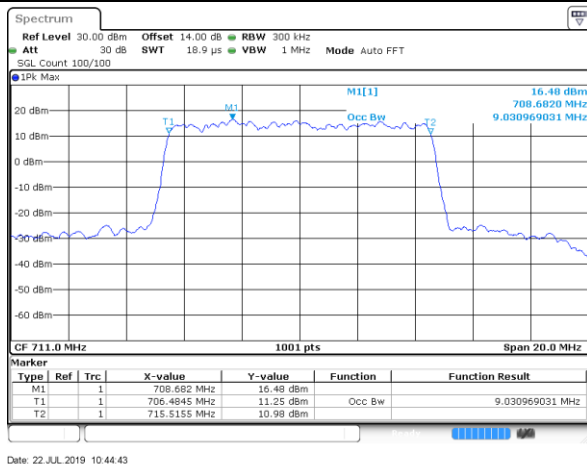
Middle Channel / 10MHz / QPSK



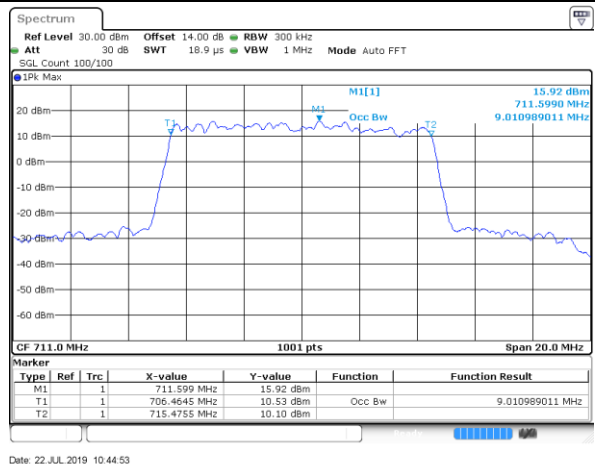
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



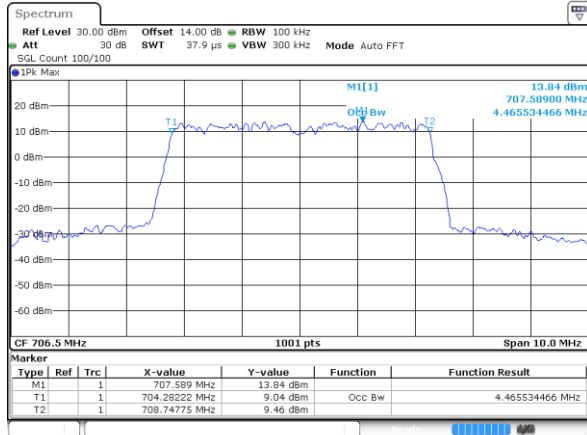
Highest Channel / 10MHz / 16QAM



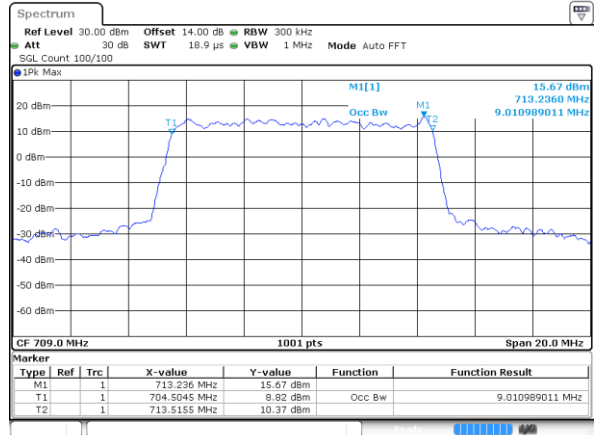


LTE Band 17

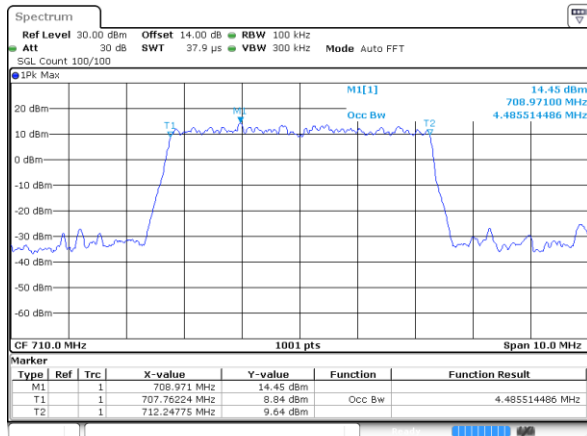
Lowest Channel / 5MHz / 64QAM



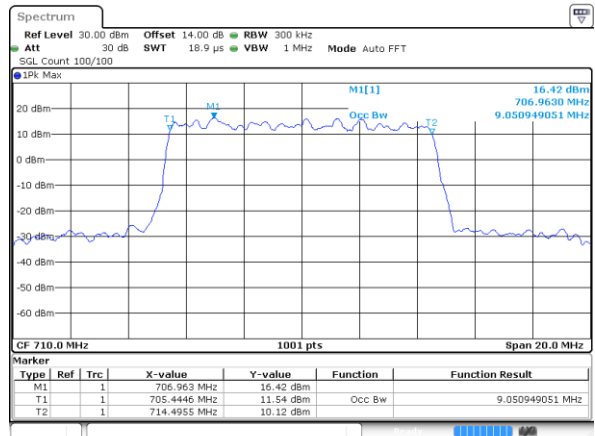
Lowest Channel / 10MHz / 64QAM



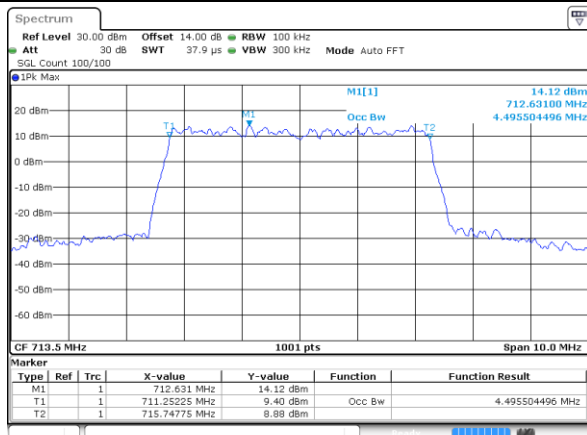
Middle Channel / 5MHz / 64QAM



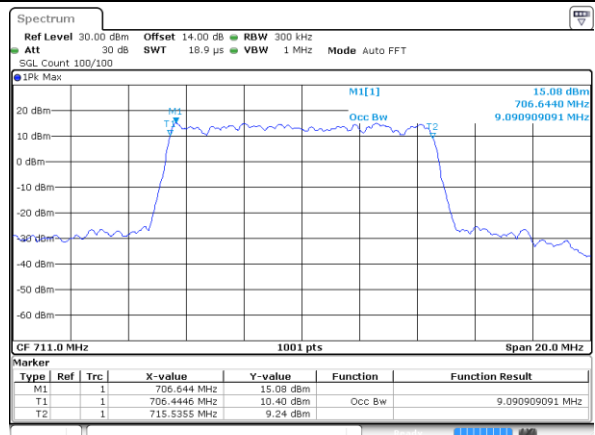
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



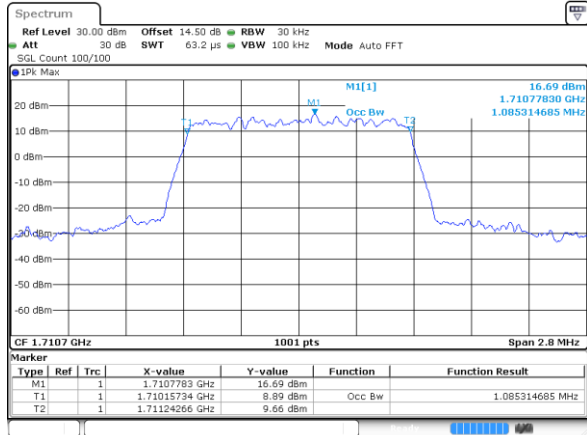
Highest Channel / 10MHz / 64QAM



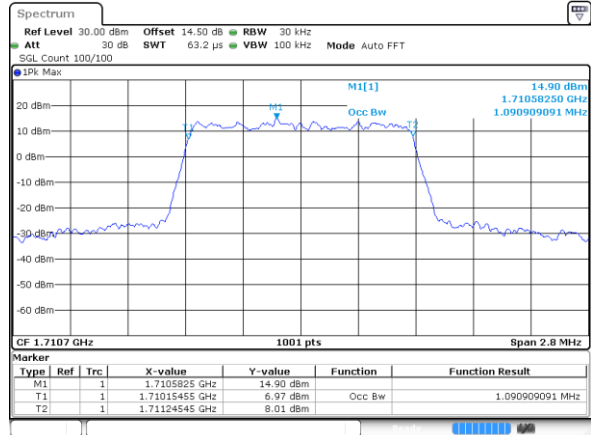


LTE Band 66

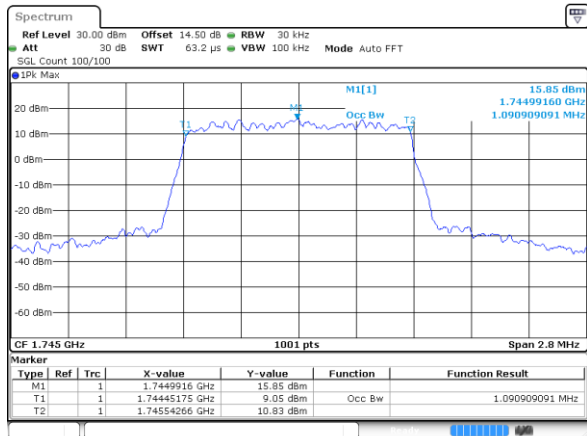
Lowest Channel / 1.4MHz / QPSK



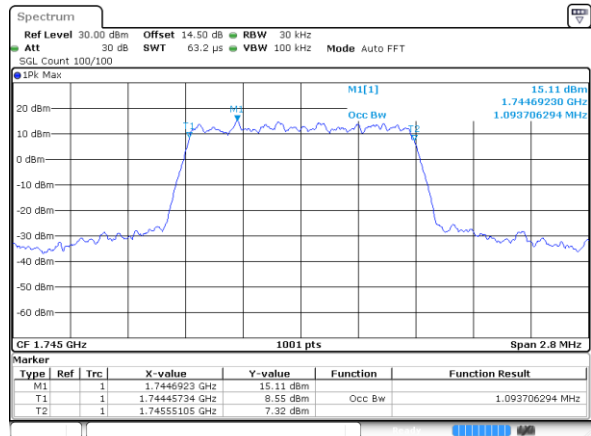
Lowest Channel / 1.4MHz / 16QAM



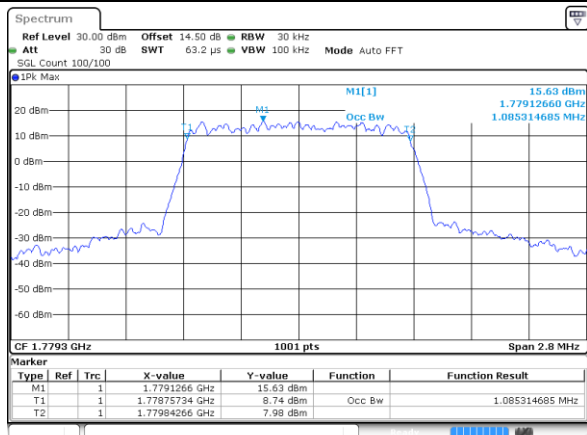
Middle Channel / 1.4MHz / QPSK



Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



Highest Channel / 1.4MHz / 16QAM

