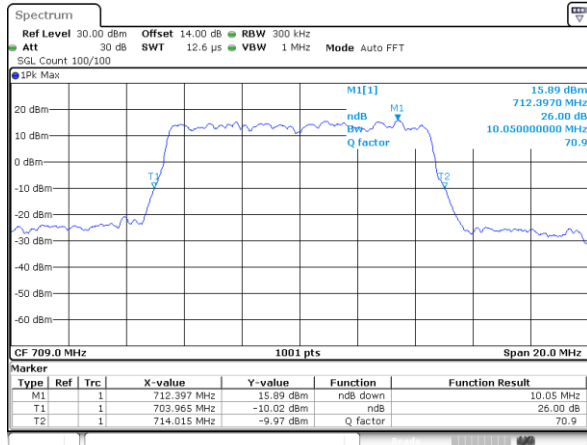


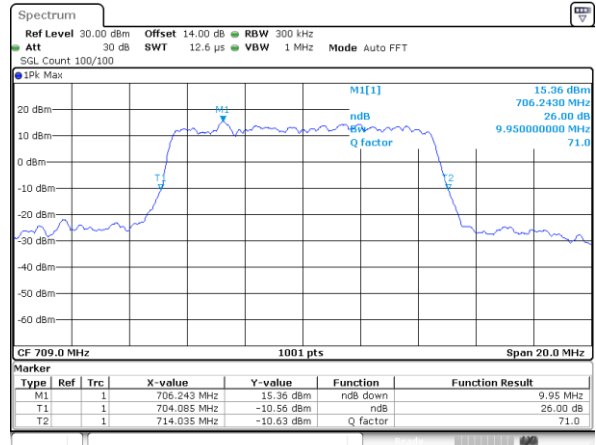


LTE Band 17

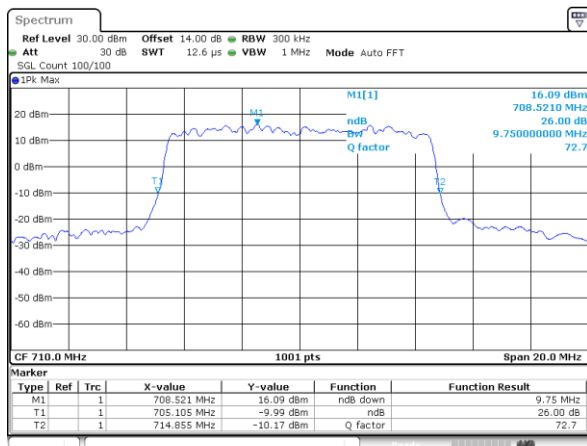
Lowest Channel / 10MHz / QPSK



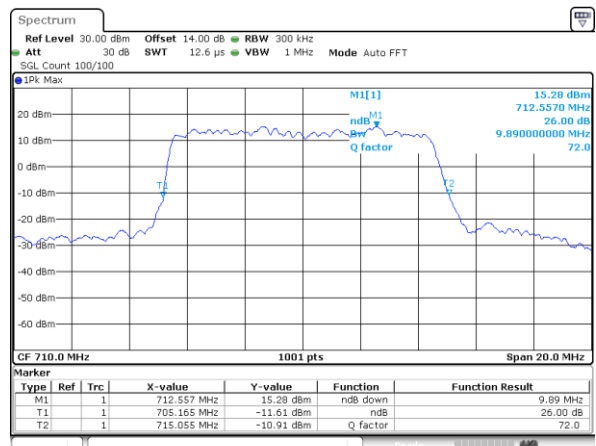
Lowest Channel / 10MHz / 16QAM



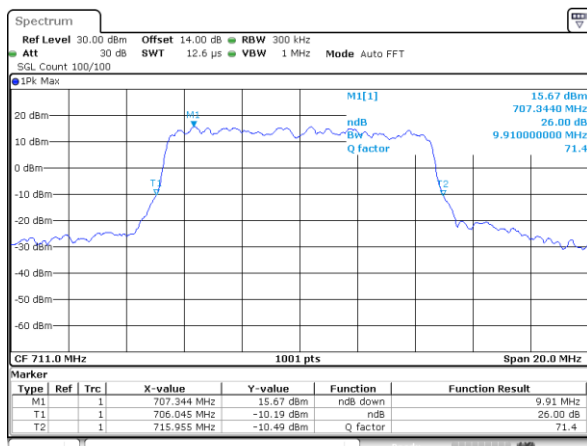
Middle Channel / 10MHz / QPSK



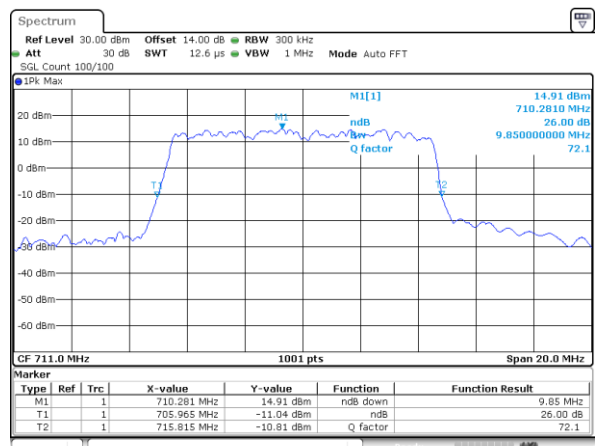
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



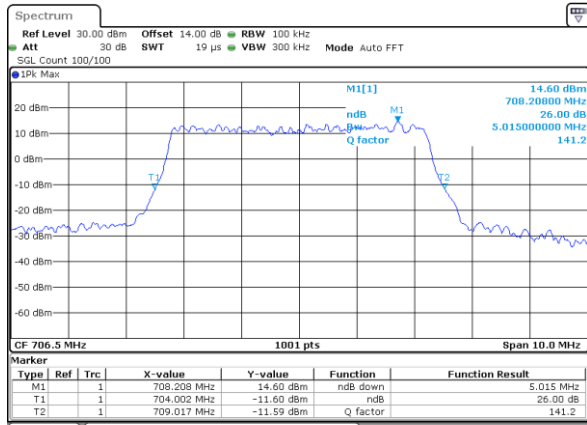
Highest Channel / 10MHz / 16QAM



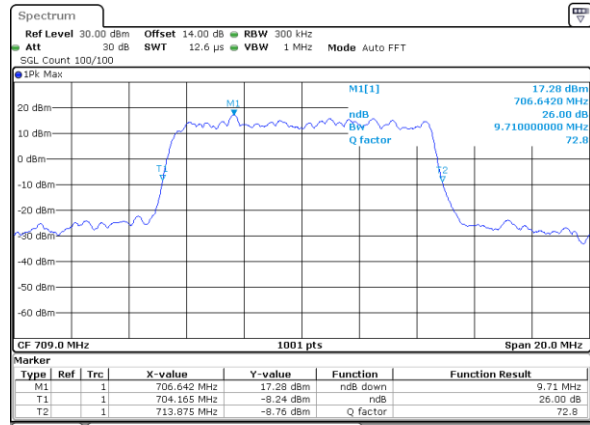


LTE Band 17

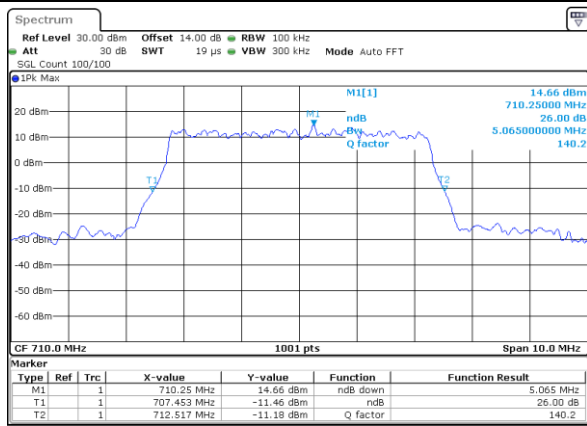
Lowest Channel / 5MHz / 64QAM



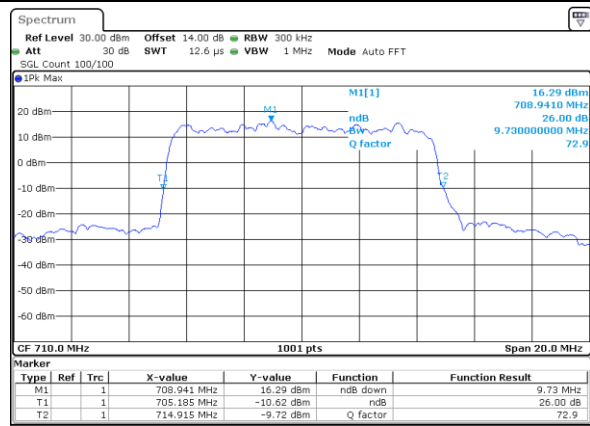
Lowest Channel / 10MHz / 64QAM



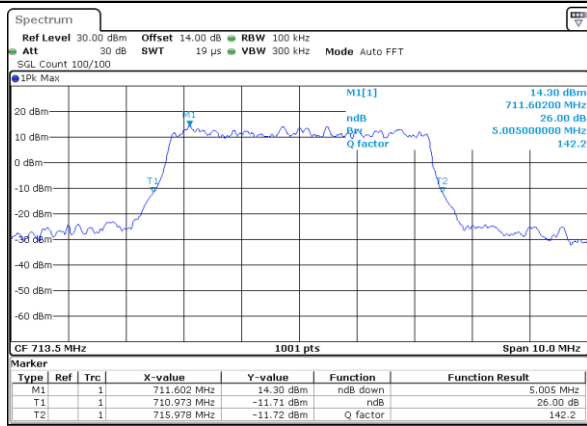
Middle Channel / 5MHz / 64QAM



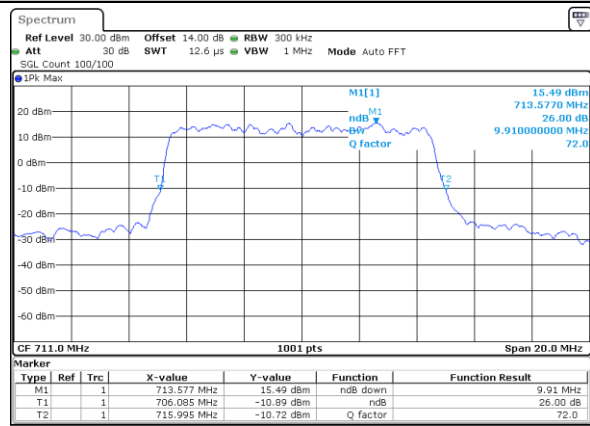
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



Highest Channel / 10MHz / 64QAM





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	2.72	4.49	4.52	8.99	9.05	13.52	13.55	18.42	18.42
Middle CH	1.09	1.09	2.70	2.72	4.49	4.52	9.03	9.05	13.46	13.43	18.42	18.46
Highest CH	1.09	1.10	2.70	2.71	4.50	4.51	9.01	9.05	13.49	13.46	18.42	18.38
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.10		2.74		4.52		9.07		13.49		18.46	
Middle CH	1.10		2.72		4.49		9.05		13.43		18.42	
Highest CH	1.10		2.72		4.50		9.01		13.43		18.42	

Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.71	2.71	4.52	4.50	9.05	9.03	13.46	13.43	18.34	18.42
Middle CH	1.09	1.10	2.72	2.70	4.49	4.52	9.09	9.01	13.40	13.52	18.46	18.46
Highest CH	1.09	1.09	2.72	2.69	4.51	4.52	9.05	9.05	13.43	13.49	18.30	18.34
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.10		2.73		4.49		9.07		13.52		18.38	
Middle CH	1.09		2.72		4.51		9.05		13.52		18.46	
Highest CH	1.09		2.73		4.50		9.01		13.43		18.38	

Mode	LTE Band 5 : 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	1.10	1.10	2.70	2.72	4.50	4.50	9.01	9.01	-	-	-	-
Middle CH	1.09	1.10	2.72	2.72	4.54	4.50	9.05	9.03	-	-	-	-
Highest CH	1.09	1.09	2.71	2.71	4.49	4.51	9.01	9.03	-	-	-	-
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.09		2.71		4.49		9.01		-		-	
Middle CH	1.09		2.71		4.53		9.07		-		-	
Highest CH	1.09		2.73		4.48		9.03		-		-	



Mode	LTE Band 7 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.50	4.49	9.09	9.03	13.43	13.43	18.46	18.38
Middle CH	-	-	-	-	4.50	4.49	9.09	9.03	13.49	13.43	18.38	18.46
Highest CH	-	-	-	-	4.52	4.49	9.07	9.09	13.52	13.49	18.42	18.50
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-		-		4.50		9.07		13.46		18.50	
Middle CH	-		-		4.50		9.01		13.46		18.38	
Highest CH	-		-		4.49		9.09		13.49		18.54	

Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.08	2.71	2.72	4.51	4.49	9.09	9.01	-	-	-	-
Middle CH	1.09	1.09	2.71	2.72	4.51	4.49	9.05	9.01	-	-	-	-
Highest CH	1.09	1.10	2.70	2.70	4.52	4.50	9.05	9.01	-	-	-	-
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.09		2.71		4.53		9.03		-		-	
Middle CH	1.09		2.72		4.51		9.05		-		-	
Highest CH	1.09		2.72		4.51		9.03		-		-	

Mode	LTE Band 13 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.48	4.49	-	-	-	-	-	-
Middle CH	-	-	-	-	4.49	4.52	9.07	9.05	-	-	-	-
Highest CH	-	-	-	-	4.51	4.50	-	-	-	-	-	-
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-		-		4.49		-		-		-	
Middle CH	-		-		4.49		9.07		-		-	
Highest CH	-		-		4.49		-		-		-	

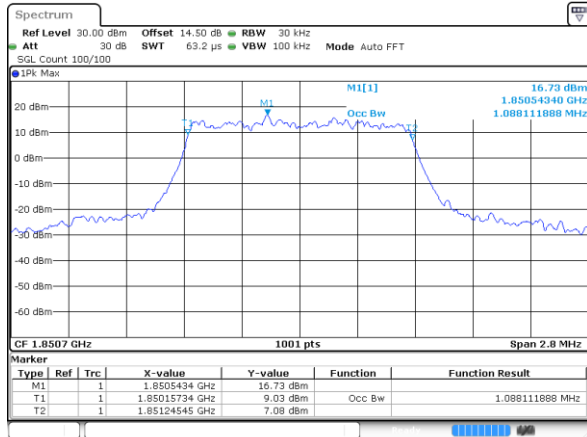


Mode	LTE Band 17 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.47	4.49	9.01	8.99	-	-	-	-
Middle CH	-	-	-	-	4.49	4.48	9.01	8.97	-	-	-	-
Highest CH	-	-	-	-	4.51	4.51	9.01	9.05	-	-	-	-
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-		-		4.48		9.03		-		-	
Middle CH	-		-		4.49		8.99		-		-	
Highest CH	-		-		4.52		9.01		-		-	

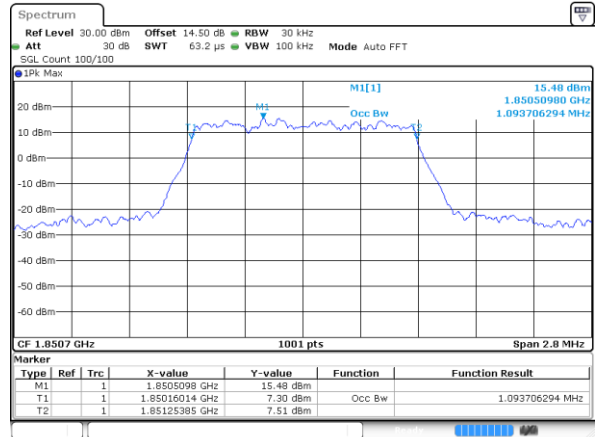


LTE Band 2

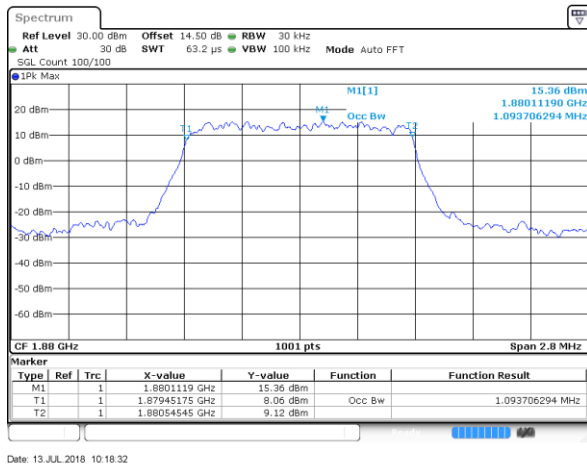
Lowest Channel / 1.4MHz / QPSK



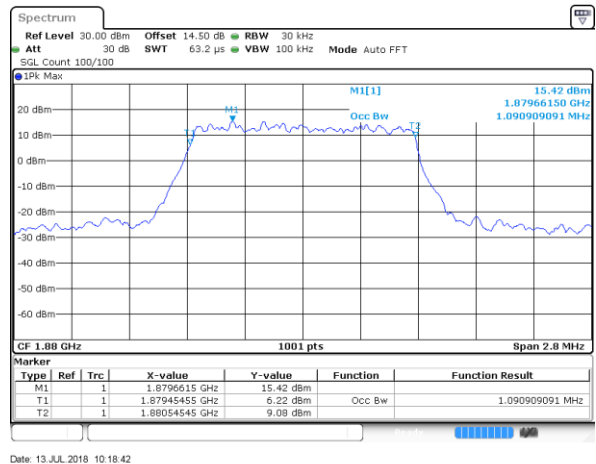
Lowest Channel / 1.4MHz / 16QAM



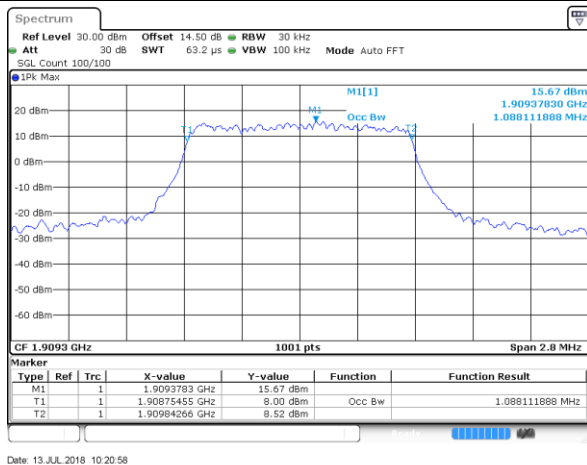
Middle Channel / 1.4MHz / QPSK



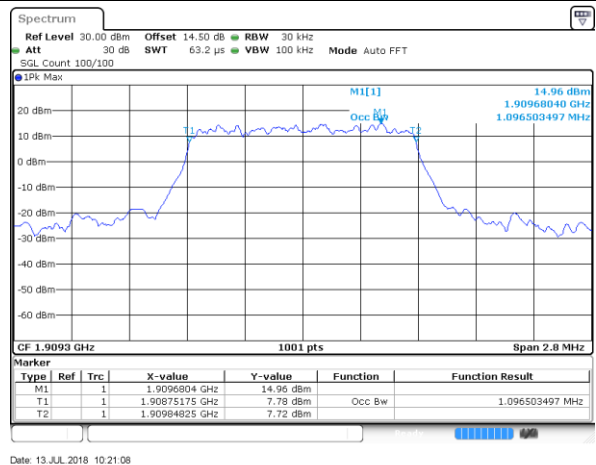
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



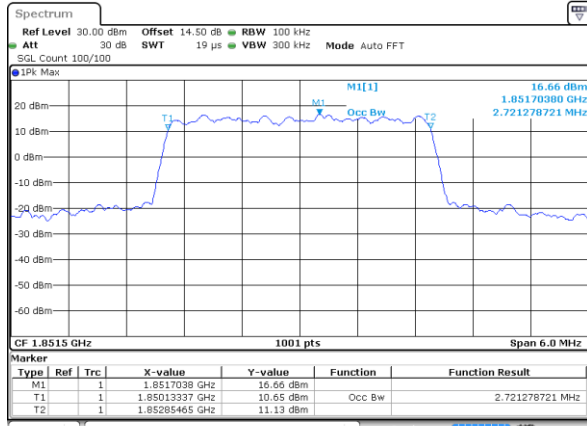
Highest Channel / 1.4MHz / 16QAM





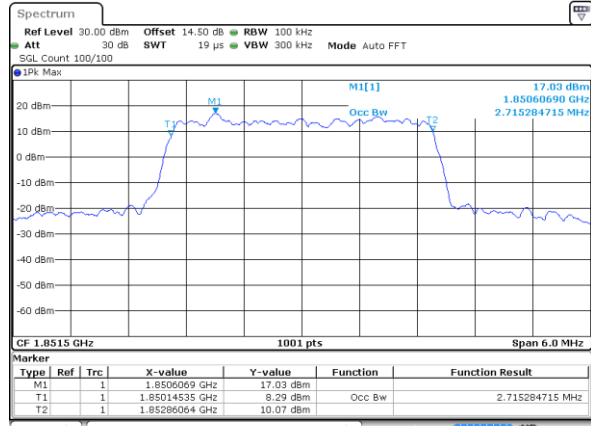
LTE Band 2

Lowest Channel / 3MHz / QPSK



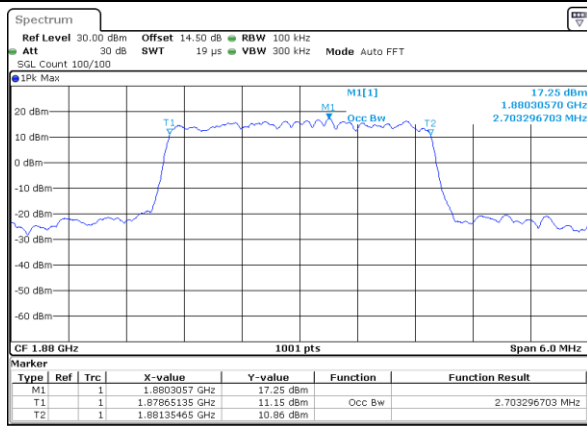
Date: 13 JUL 2018 10:27:55

Lowest Channel / 3MHz / 16QAM



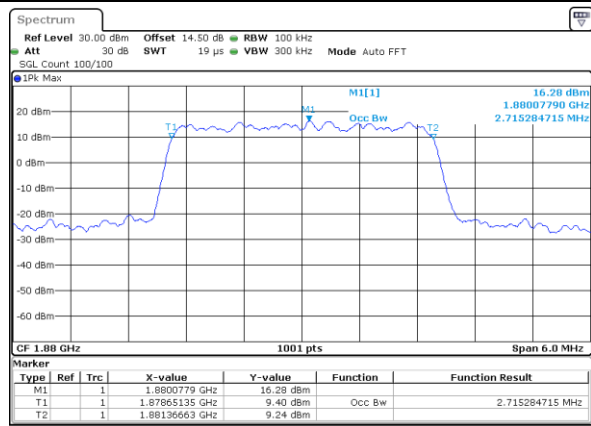
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Middle Channel / 3MHz / QPSK



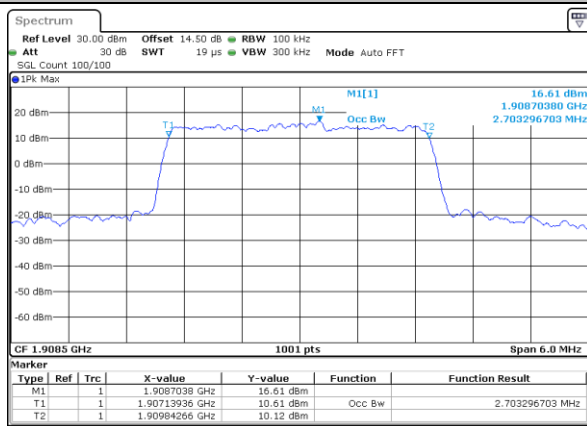
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Middle Channel / 3MHz / 16QAM



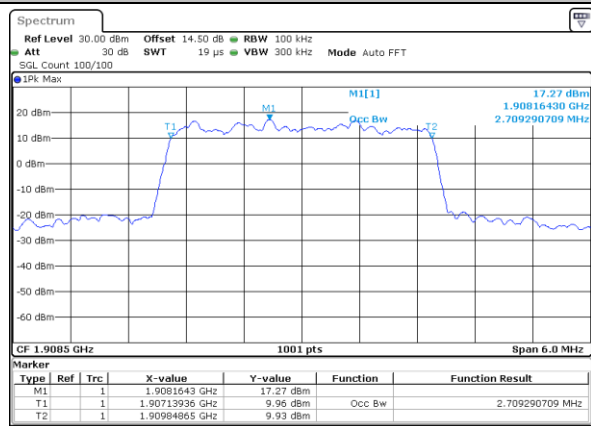
Date: 13 JUL 2018 10:35:03

Highest Channel / 3MHz / QPSK



Date: 13 JUL 2018 10:37:18

Highest Channel / 3MHz / 16QAM

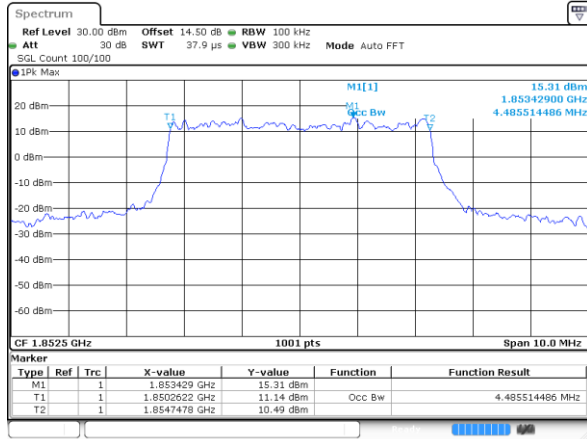


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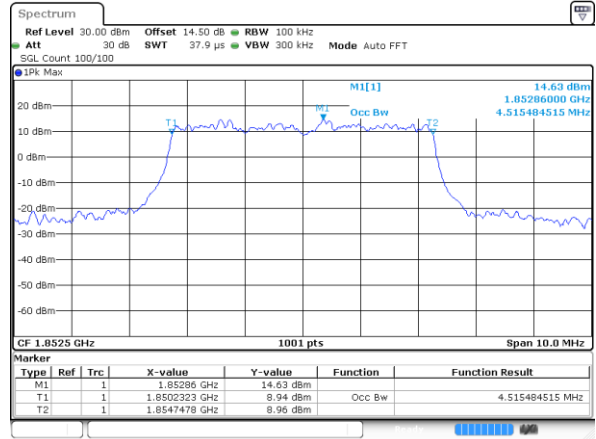


LTE Band 2

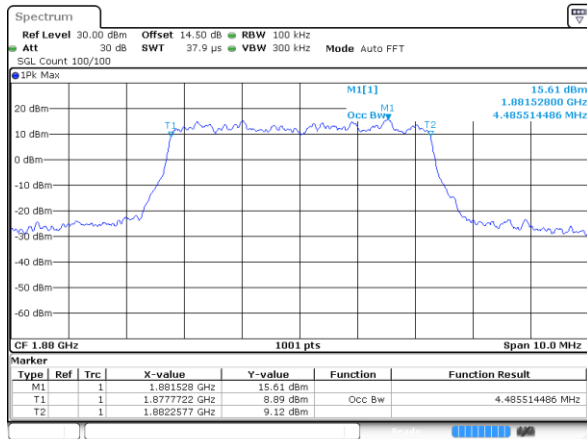
Lowest Channel / 5MHz / QPSK



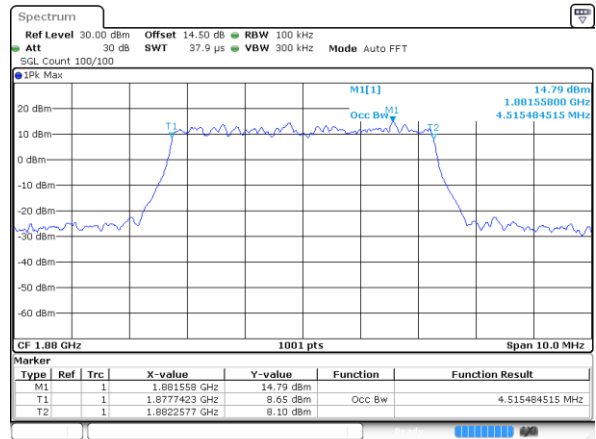
Lowest Channel / 5MHz / 16QAM



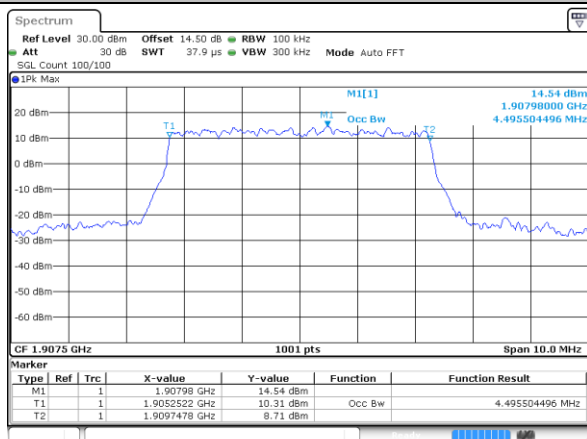
Middle Channel / 5MHz / QPSK



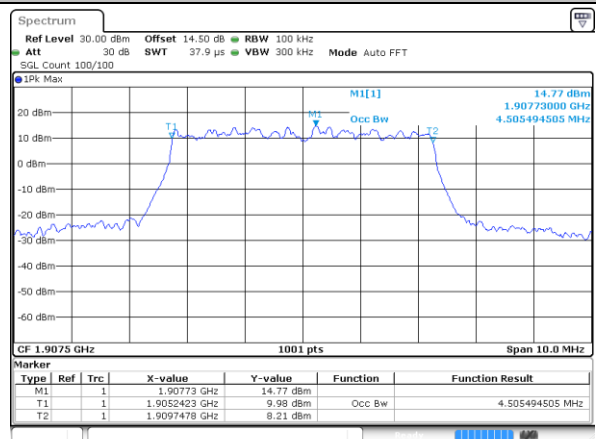
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



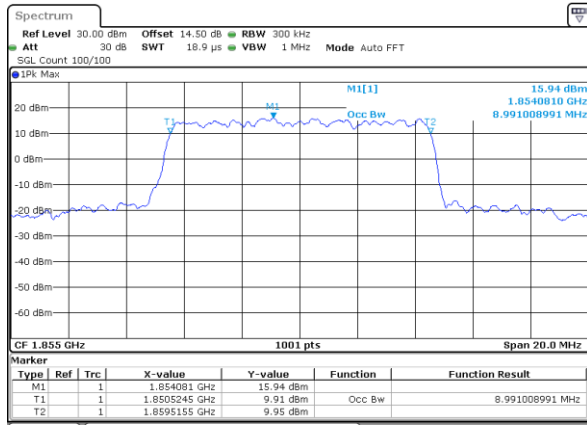
Highest Channel / 5MHz / 16QAM





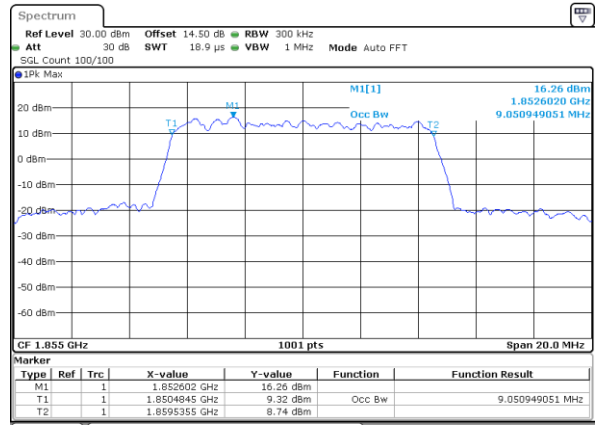
LTE Band 2

Lowest Channel / 10MHz / QPSK



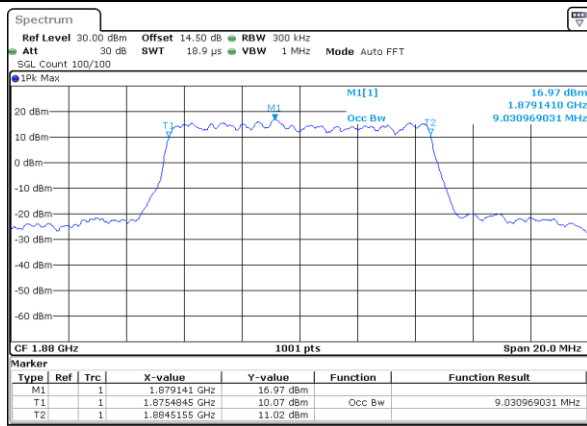
Date: 13 JUL 2018 11:00:37

Lowest Channel / 10MHz / 16QAM



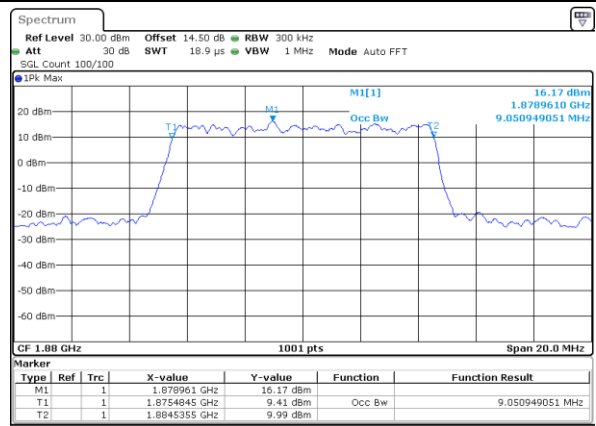
Date: 13 JUL 2018 11:00:47

Middle Channel / 10MHz / QPSK



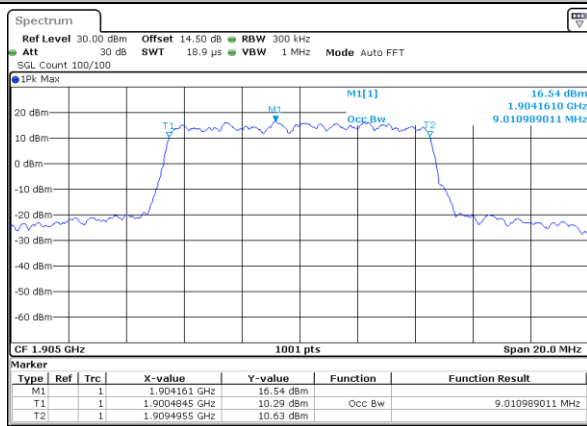
Date: 13 JUL 2018 11:25:28

Middle Channel / 10MHz / 16QAM



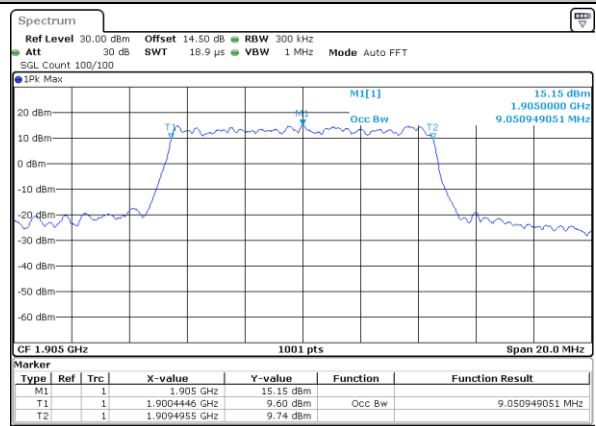
Date: 13 JUL 2018 11:25:38

Highest Channel / 10MHz / QPSK



Date: 13 JUL 2018 11:27:53

Highest Channel / 10MHz / 16QAM

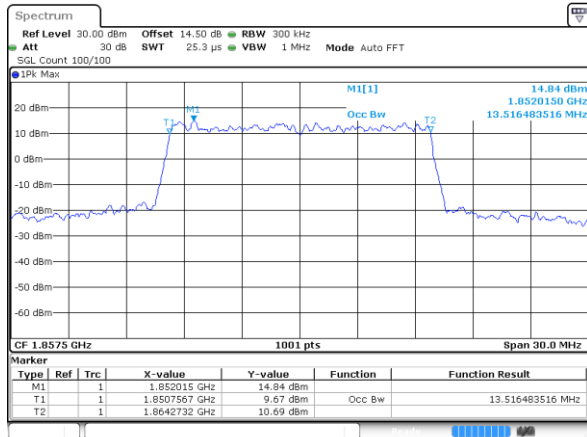


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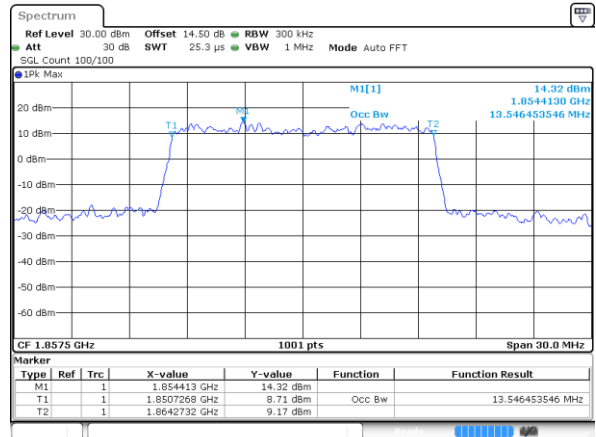


LTE Band 2

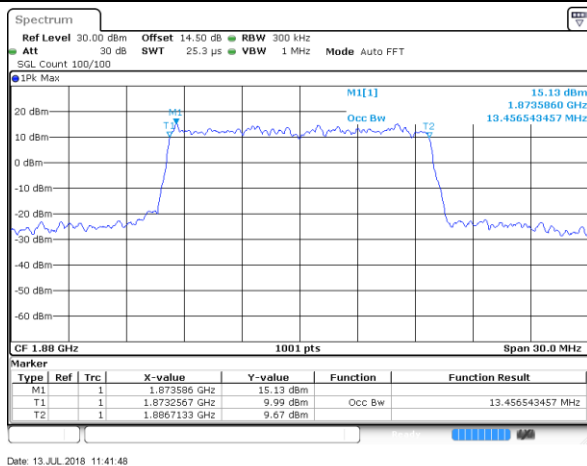
Lowest Channel / 15MHz / QPSK



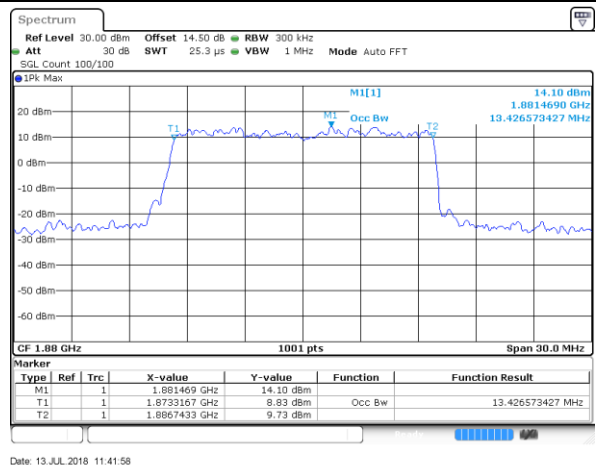
Lowest Channel / 15MHz / 16QAM



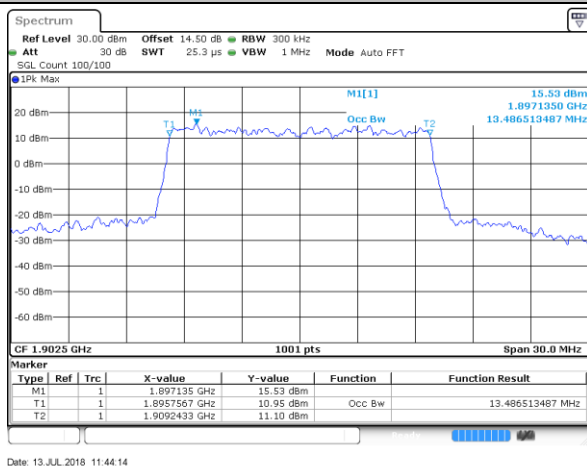
Middle Channel / 15MHz / QPSK



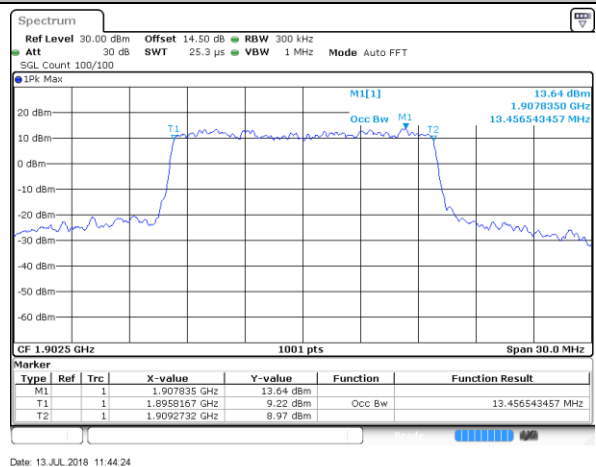
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



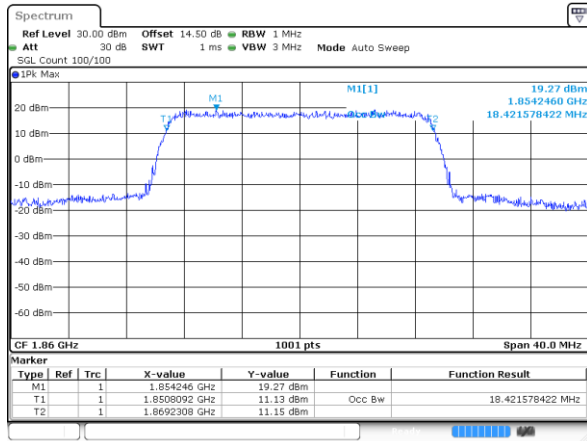
Highest Channel / 15MHz / 16QAM



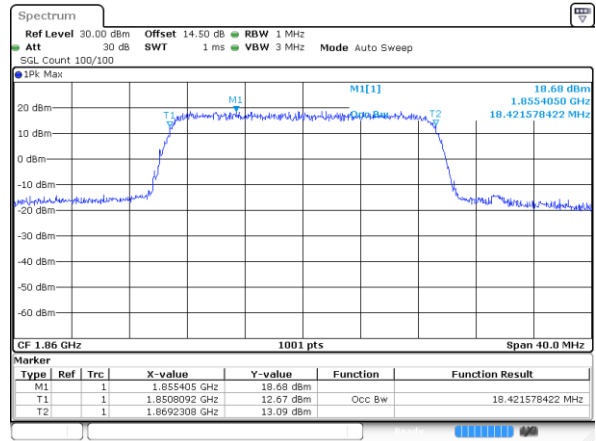


LTE Band 2

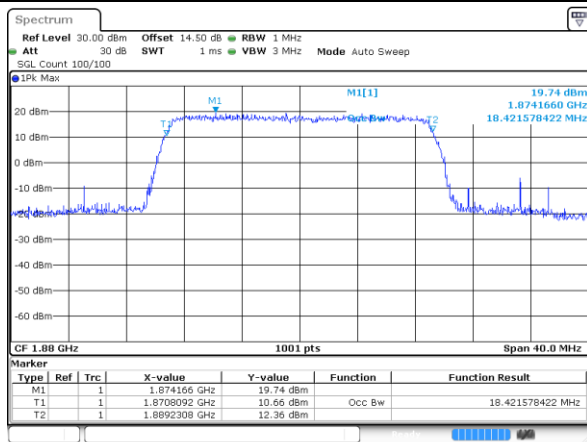
Lowest Channel / 20MHz / QPSK



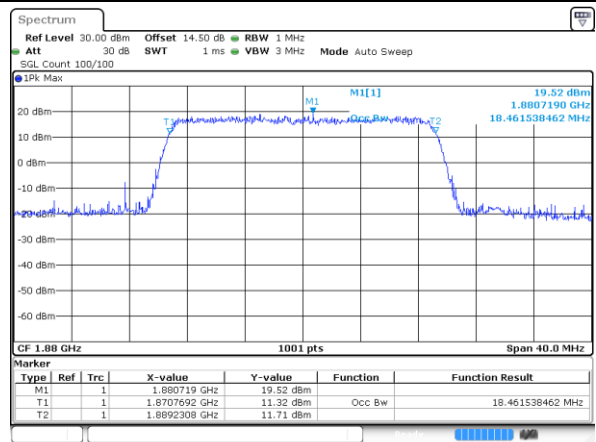
Lowest Channel / 20MHz / 16QAM



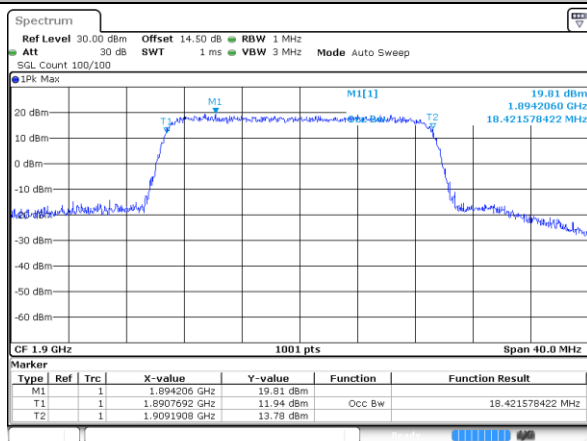
Middle Channel / 20MHz / QPSK



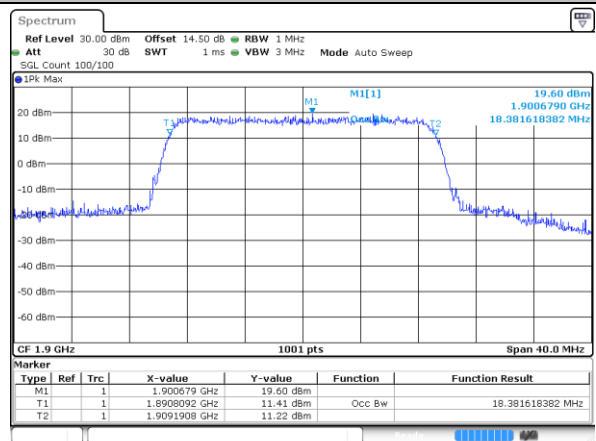
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



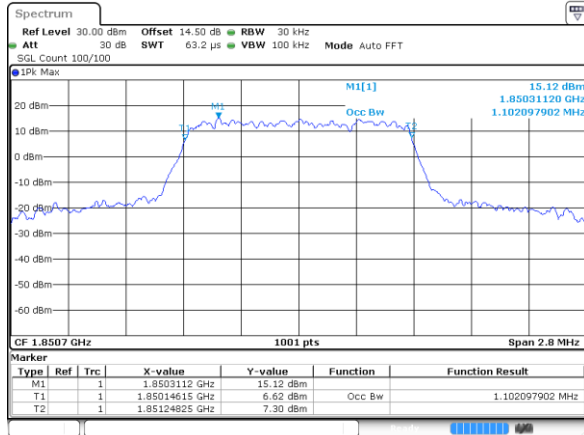
Highest Channel / 20MHz / 16QAM



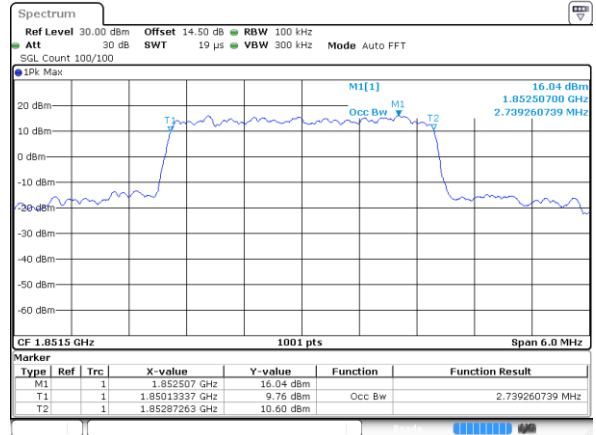


LTE Band 2

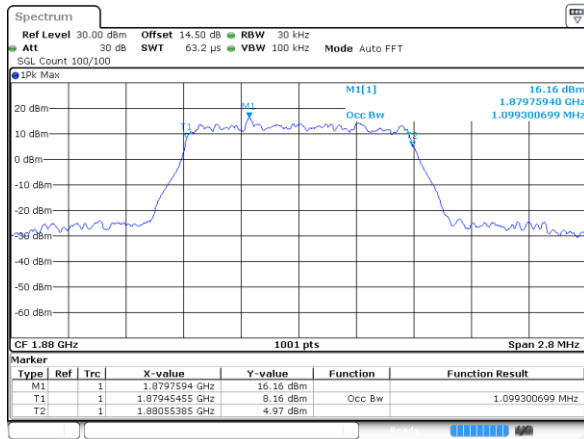
Lowest Channel / 1.4MHz / 64QAM



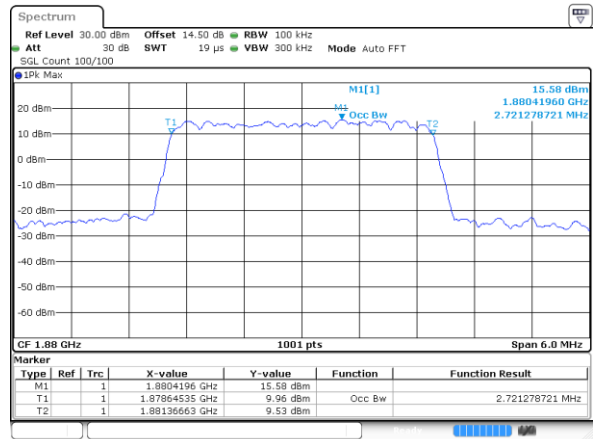
Lowest Channel / 3MHz / 64QAM



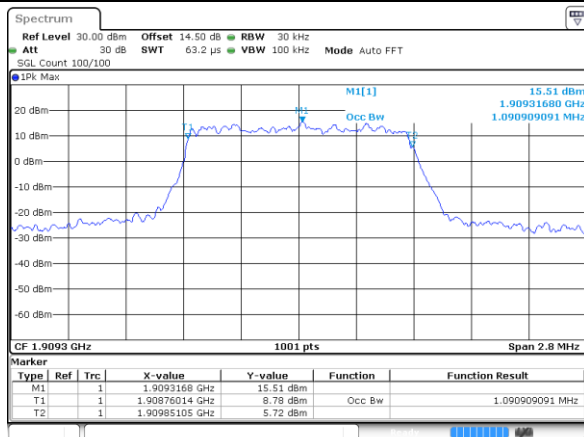
Middle Channel / 1.4MHz / 64QAM



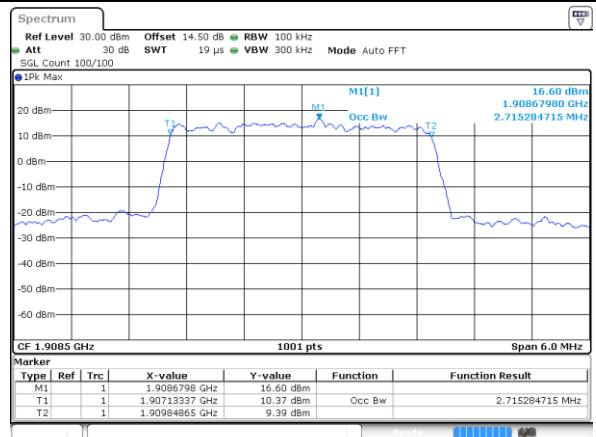
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM



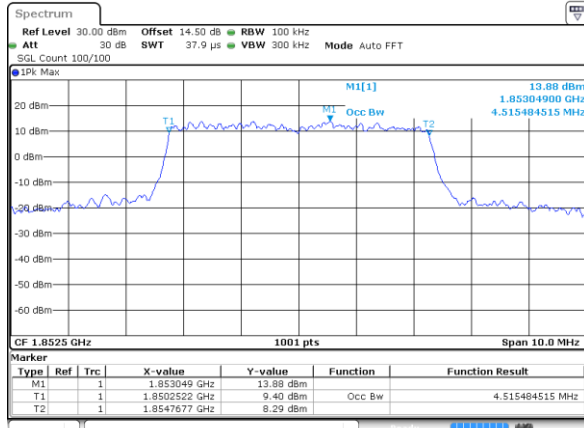
Highest Channel / 3MHz / 64QAM





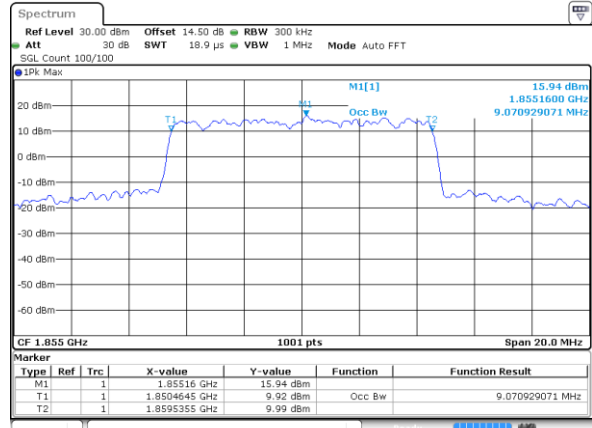
LTE Band 2

Lowest Channel / 5MHz / 64QAM



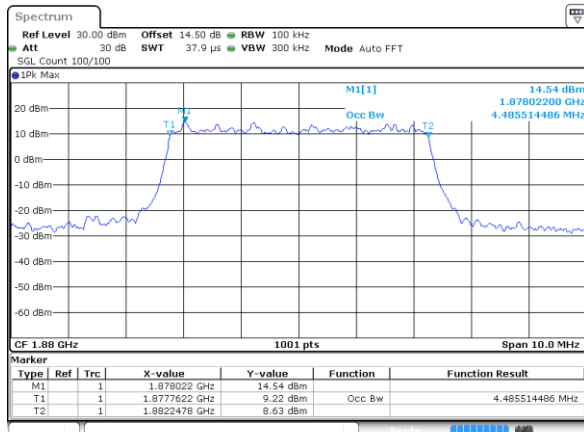
Date: 18 JUL 2018 14:30:04

Lowest Channel / 10MHz / 64QAM



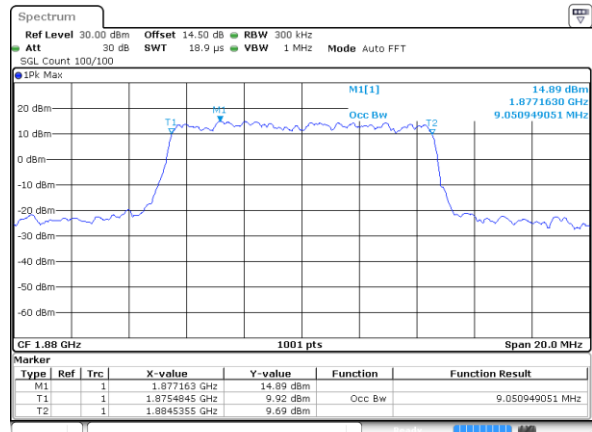
Date: 18 JUL 2018 14:38:14

Middle Channel / 5MHz / 64QAM



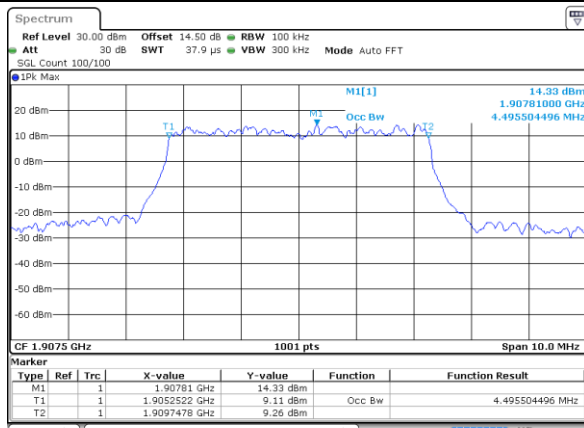
Date: 18 JUL 2018 14:33:33

Middle Channel / 10MHz / 64QAM



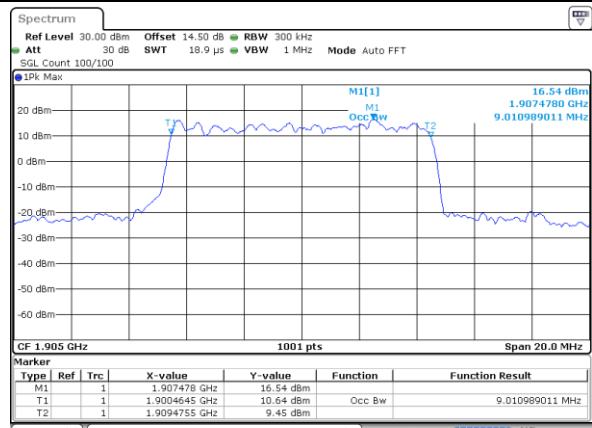
Date: 18 JUL 2018 14:41:43

Highest Channel / 5MHz / 64QAM



Date: 18 JUL 2018 14:34:46

Highest Channel / 10MHz / 64QAM

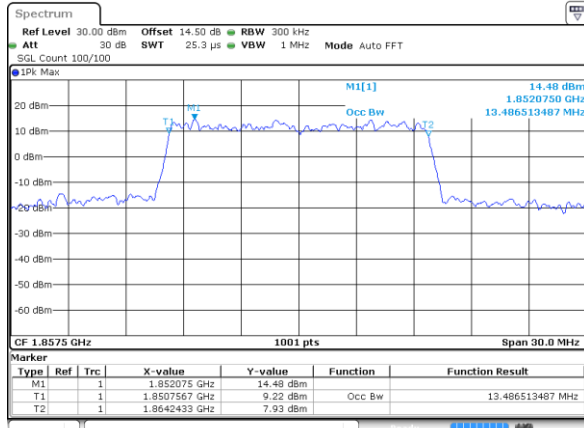


Date: 18 JUL 2018 14:42:56

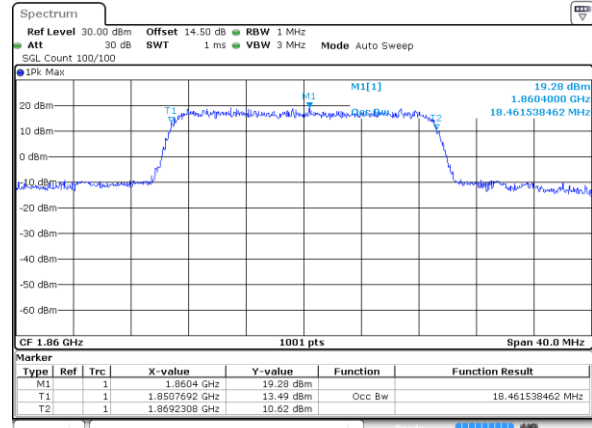


LTE Band 2

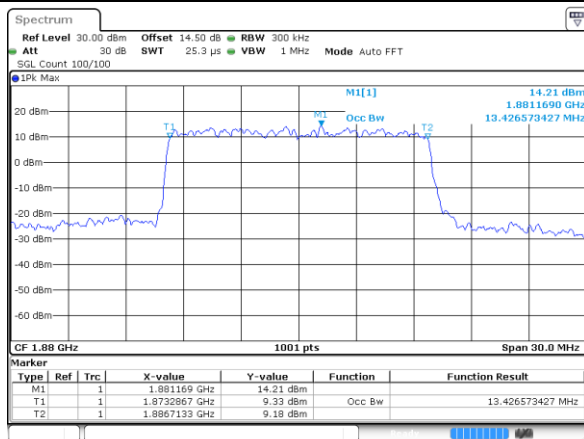
Lowest Channel / 15MHz / 64QAM



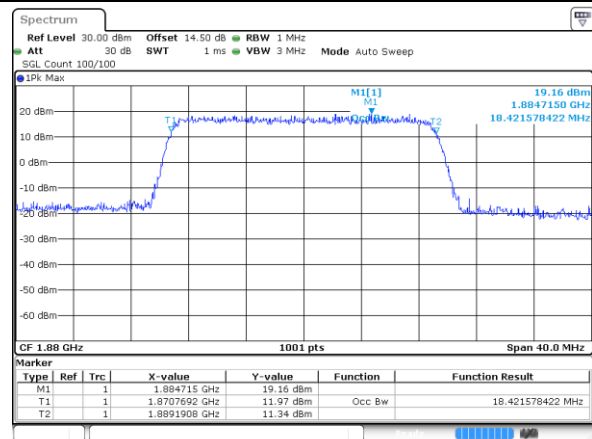
Lowest Channel / 20MHz / 64QAM



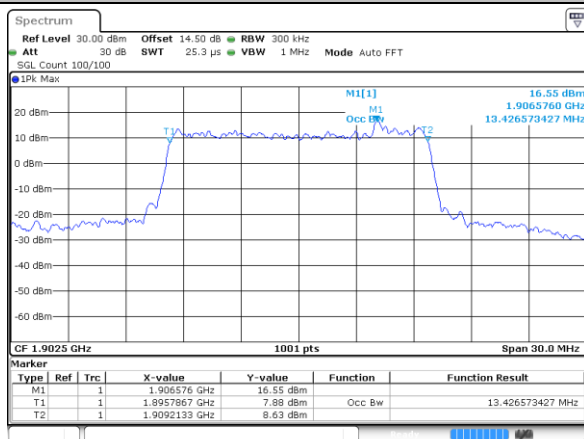
Middle Channel / 15MHz / 64QAM



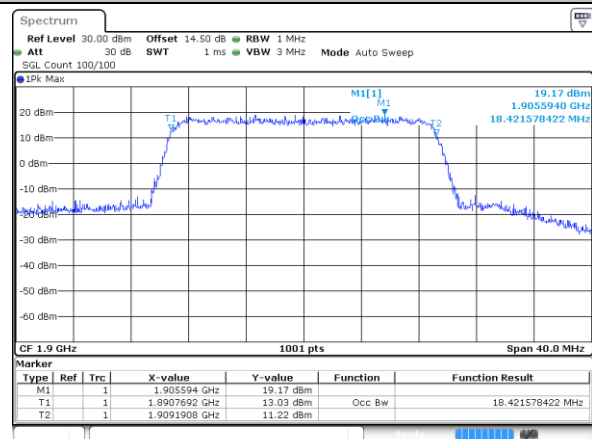
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



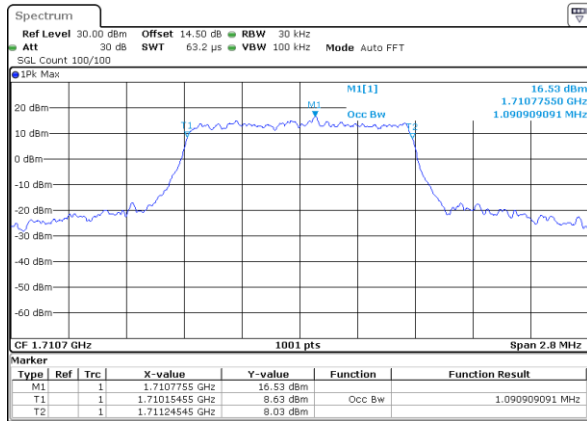
Highest Channel / 20MHz / 64QAM





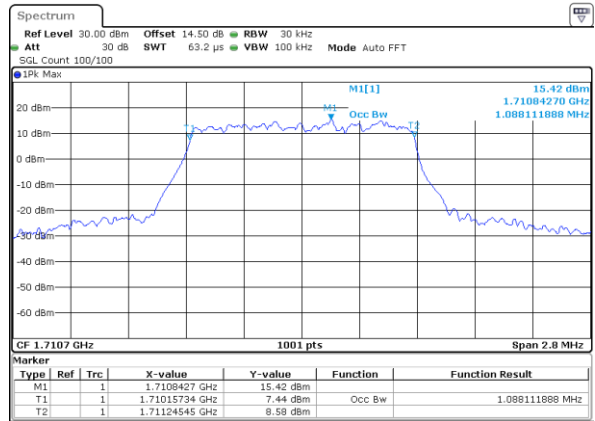
LTE Band 4

Lowest Channel / 1.4MHz / QPSK



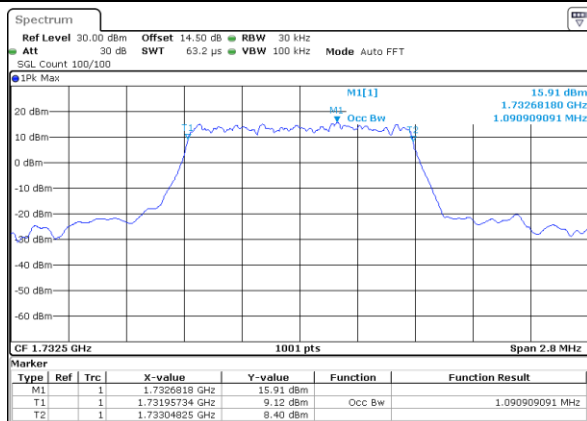
Date: 12.JUL.2018 11:46:20

Lowest Channel / 1.4MHz / 16QAM



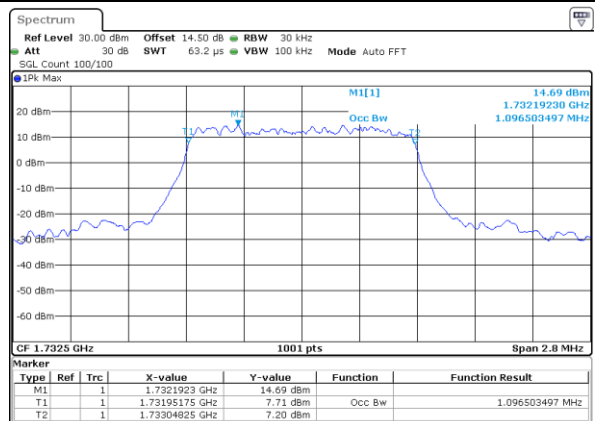
Date: 12.JUL.2018 11:46:30

Middle Channel / 1.4MHz / QPSK



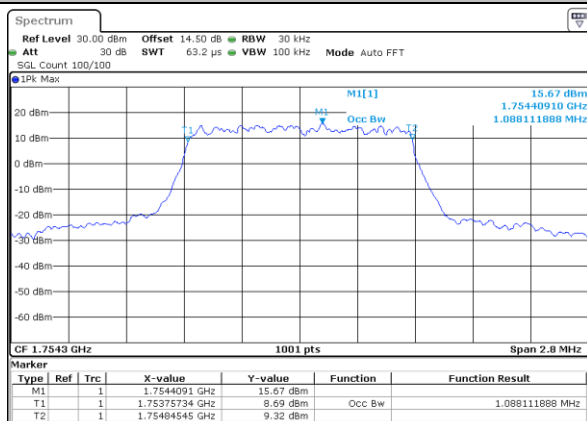
Date: 12.JUL.2018 11:48:51

Middle Channel / 1.4MHz / 16QAM



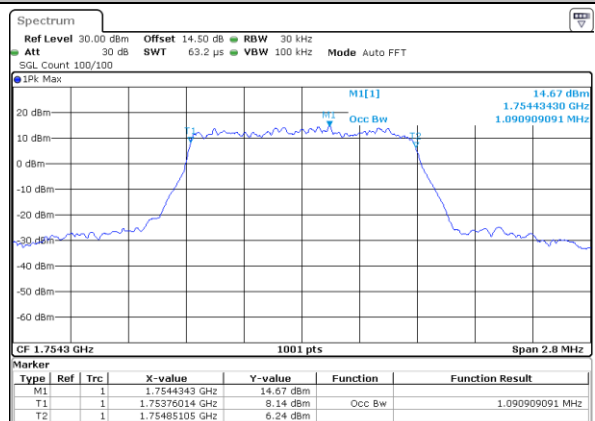
Date: 12.JUL.2018 11:49:01

Highest Channel / 1.4MHz / QPSK



Date: 12.JUL.2018 11:51:24

Highest Channel / 1.4MHz / 16QAM

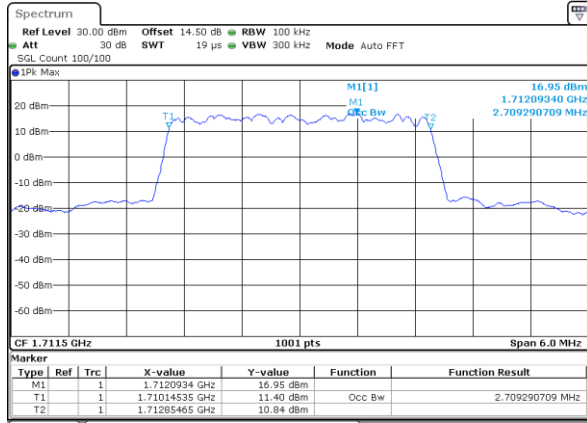


Date: 12.JUL.2018 11:51:33



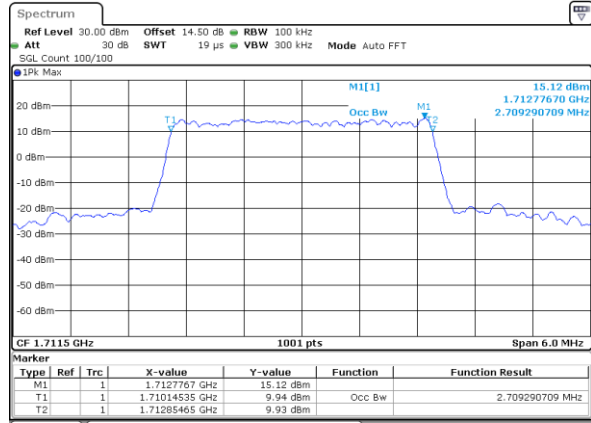
LTE Band 4

Lowest Channel / 3MHz / QPSK



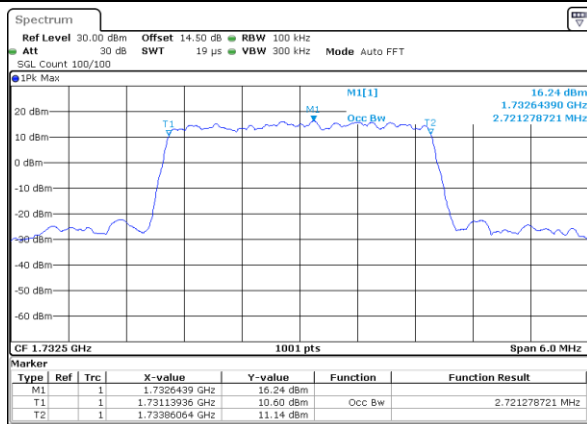
Date: 12.JUL.2018 11:53:56

Lowest Channel / 3MHz / 16QAM



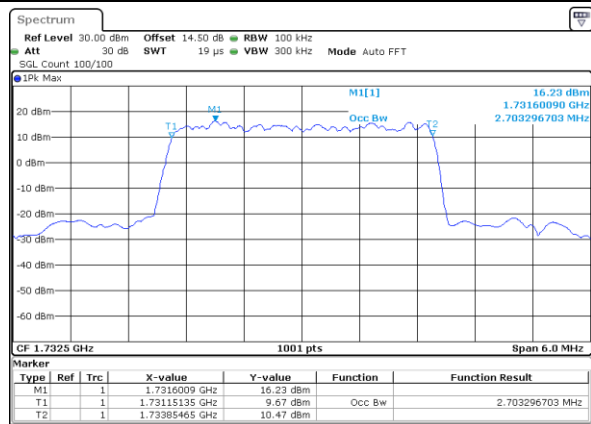
Date: 12.JUL.2018 11:54:06

Middle Channel / 3MHz / QPSK



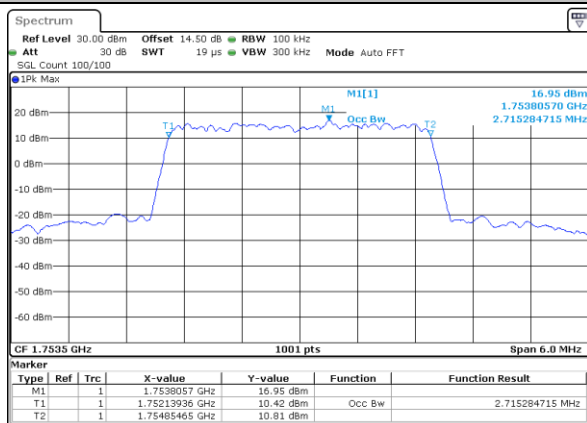
Date: 12.JUL.2018 11:56:29

Middle Channel / 3MHz / 16QAM



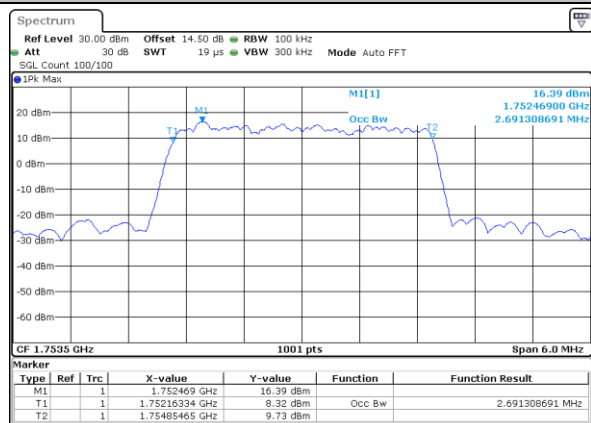
Date: 12.JUL.2018 11:56:39

Highest Channel / 3MHz / QPSK



Date: 12.JUL.2018 11:59:01

Highest Channel / 3MHz / 16QAM

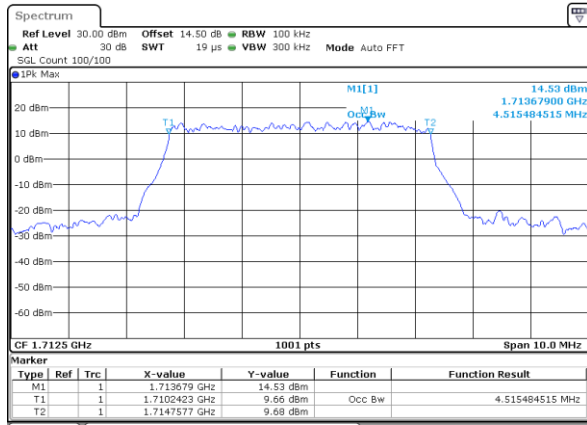


Date: 12.JUL.2018 11:59:12



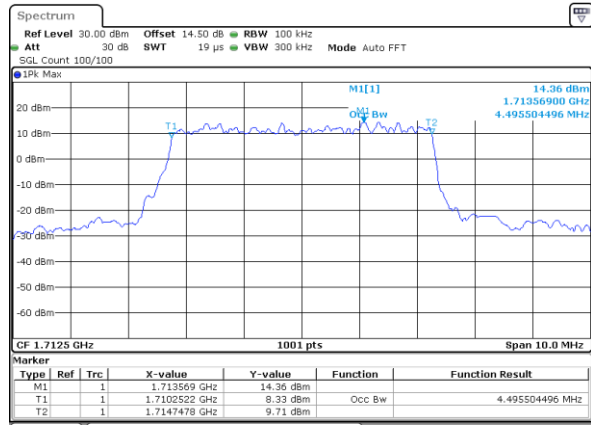
LTE Band 4

Lowest Channel / 5MHz / QPSK



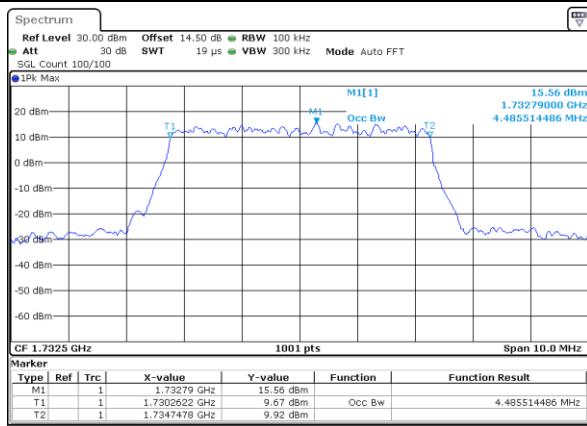
Date: 12.JUL.2018 12:01:34

Lowest Channel / 5MHz / 16QAM



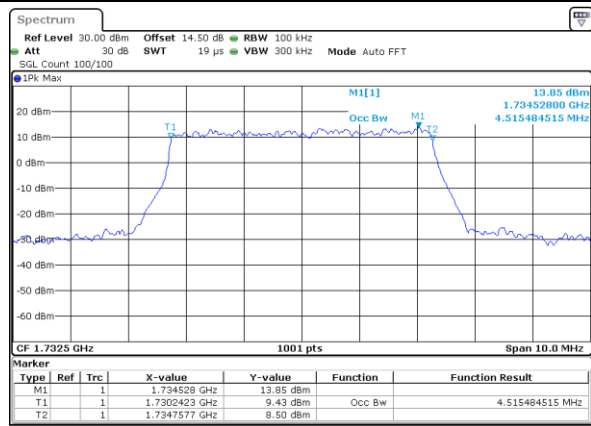
Date: 12.JUL.2018 12:01:44

Middle Channel / 5MHz / QPSK



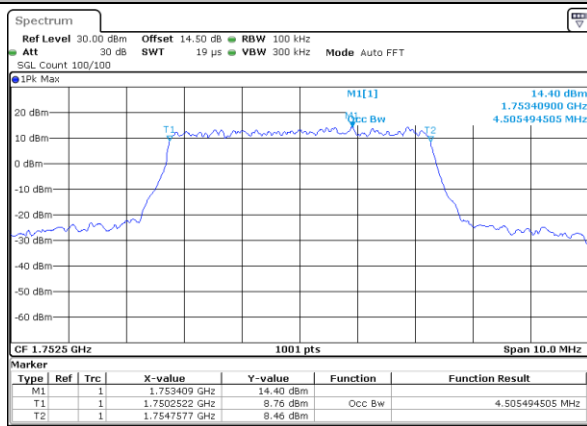
Date: 12.JUL.2018 12:04:07

Middle Channel / 5MHz / 16QAM



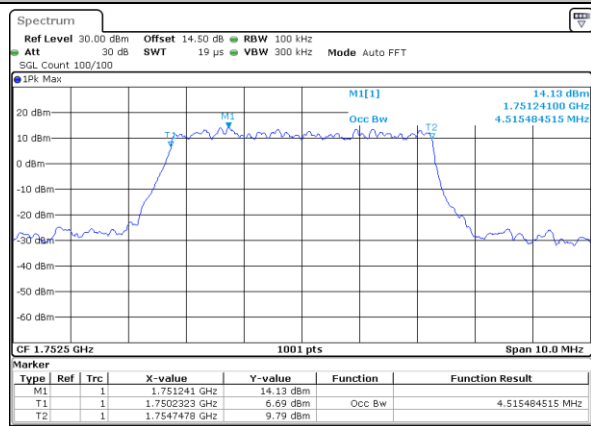
Date: 12.JUL.2018 12:04:17

Highest Channel / 5MHz / QPSK



Date: 12.JUL.2018 12:06:39

Highest Channel / 5MHz / 16QAM

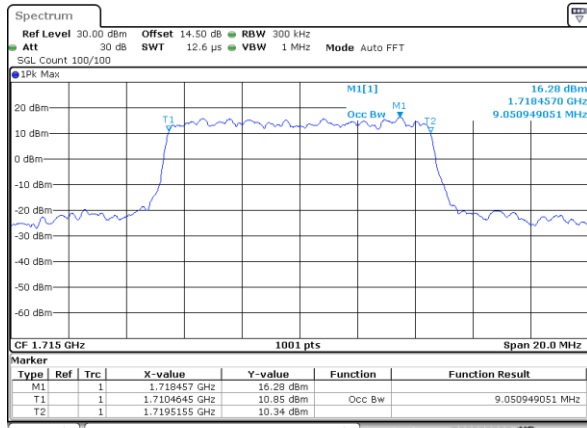


Date: 12.JUL.2018 12:06:49



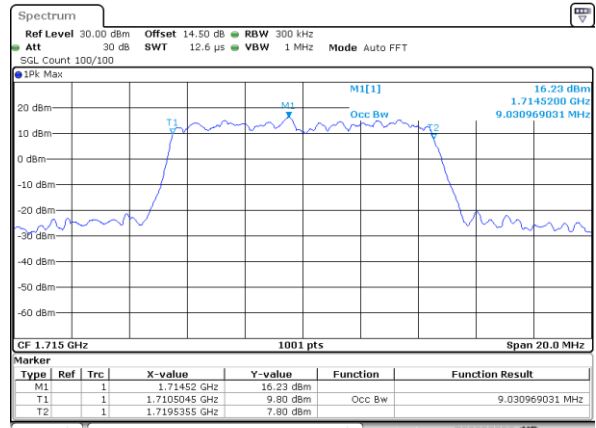
LTE Band 4

Lowest Channel / 10MHz / QPSK



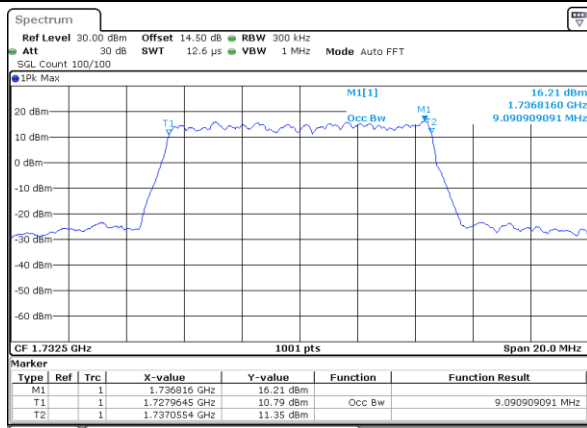
Date: 12.JUL.2018 12:09:12

Lowest Channel / 10MHz / 16QAM



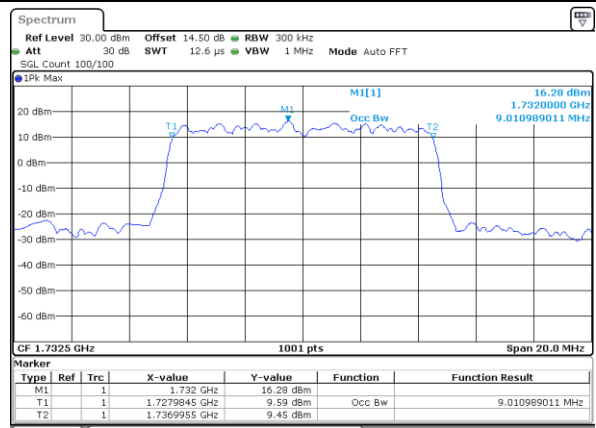
Date: 12.JUL.2018 12:09:22

Middle Channel / 10MHz / QPSK



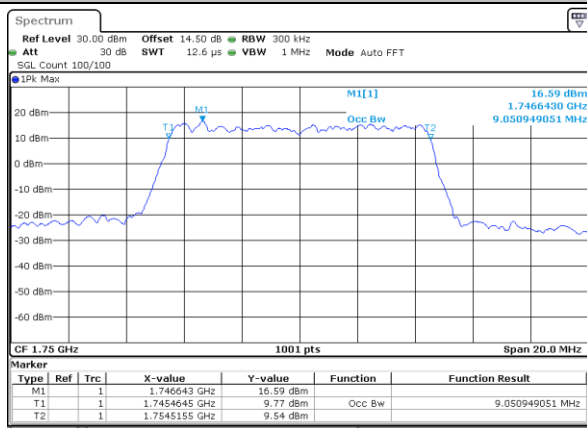
Date: 12.JUL.2018 12:11:45

Middle Channel / 10MHz / 16QAM



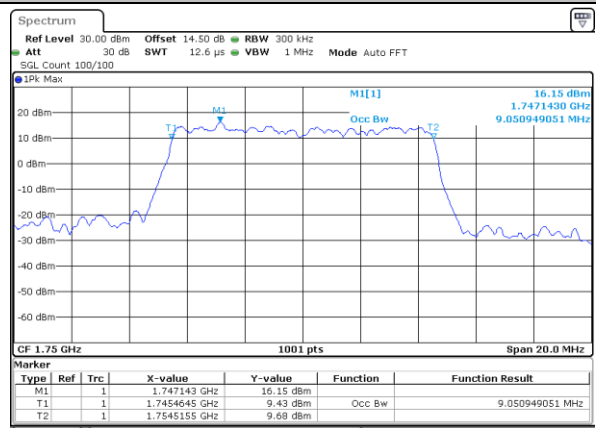
Date: 12.JUL.2018 12:11:55

Highest Channel / 10MHz / QPSK



Date: 12.JUL.2018 12:14:17

Highest Channel / 10MHz / 16QAM

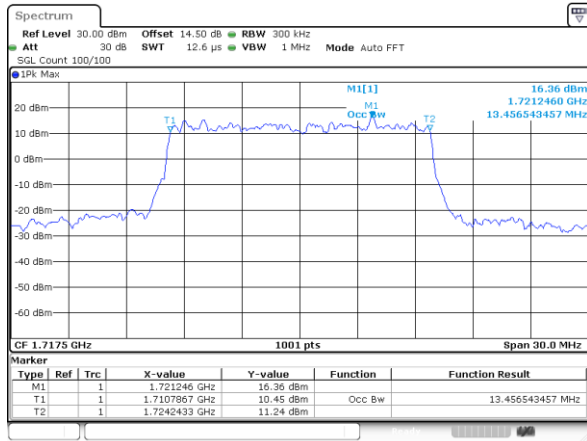


Date: 12.JUL.2018 12:14:27

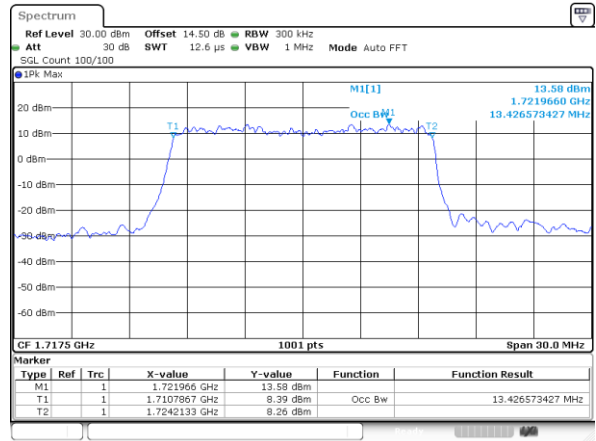


LTE Band 4

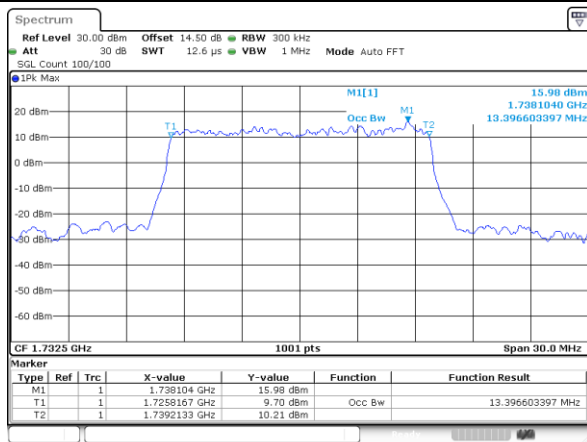
Lowest Channel / 15MHz / QPSK



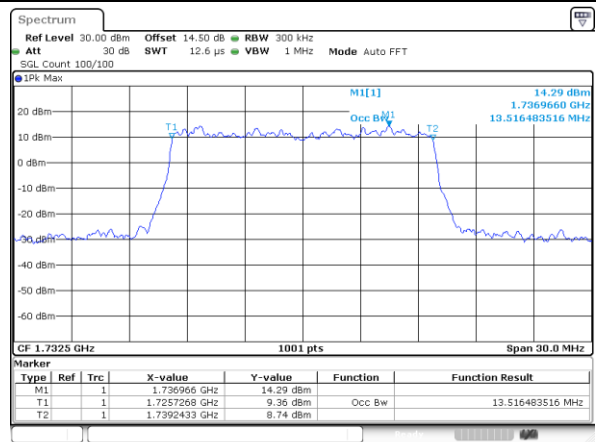
Lowest Channel / 15MHz / 16QAM



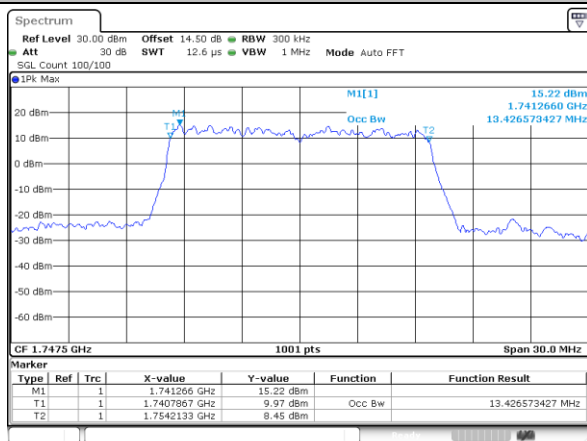
Middle Channel / 15MHz / QPSK



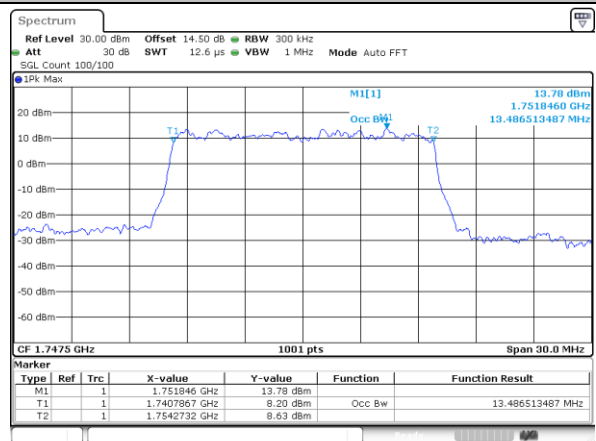
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



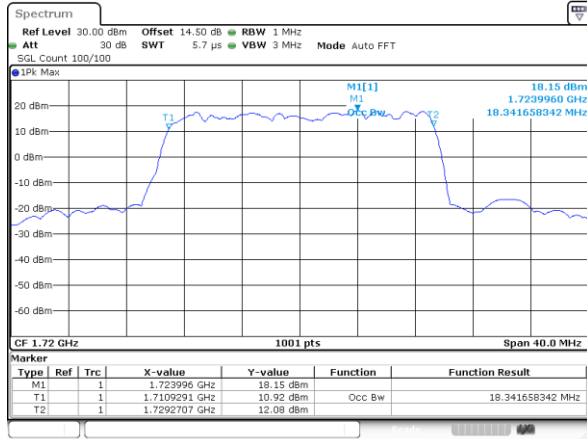
Highest Channel / 15MHz / 16QAM



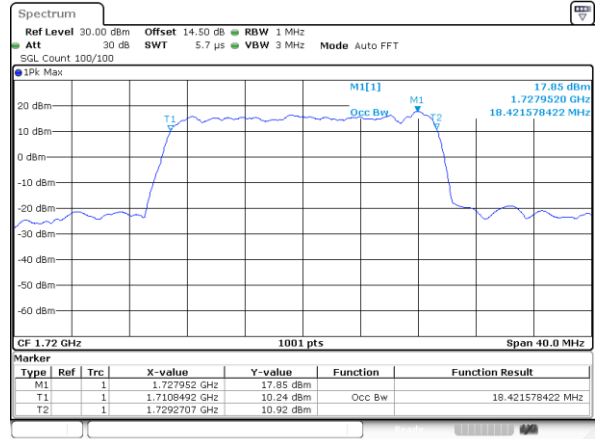


LTE Band 4

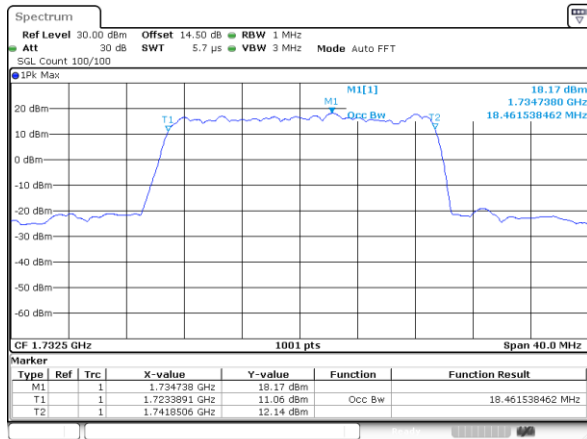
Lowest Channel / 20MHz / QPSK



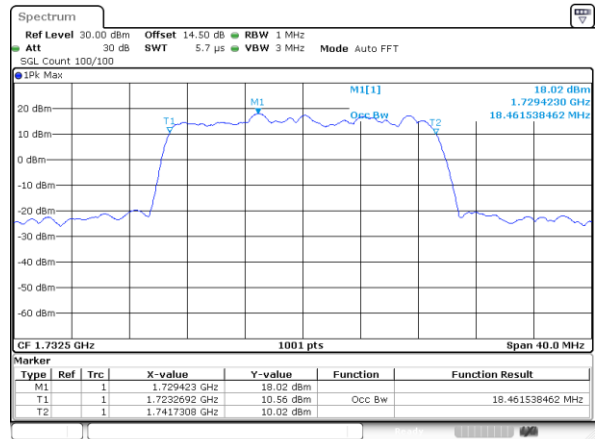
Lowest Channel / 20MHz / 16QAM



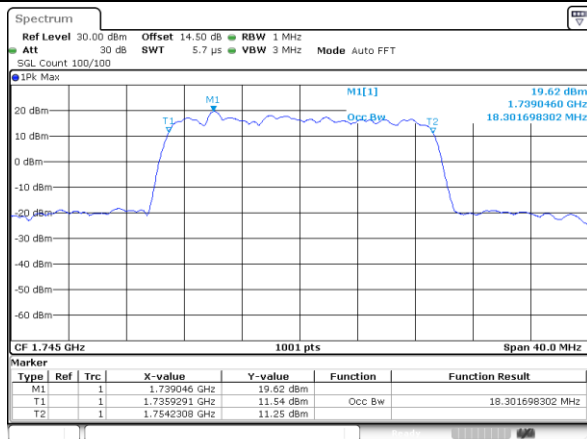
Middle Channel / 20MHz / QPSK



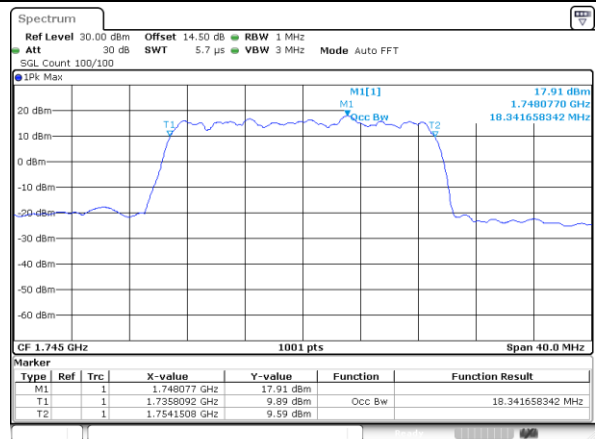
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



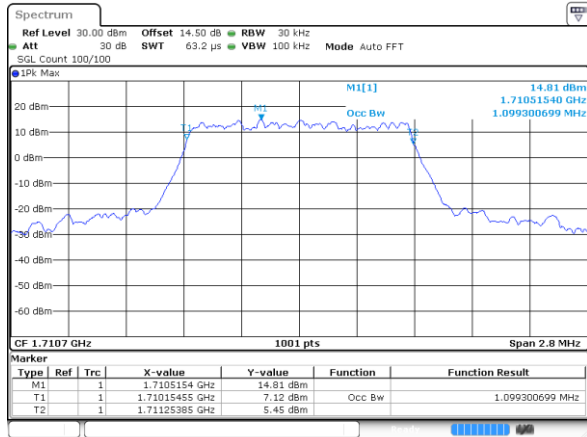
Highest Channel / 20MHz / 16QAM



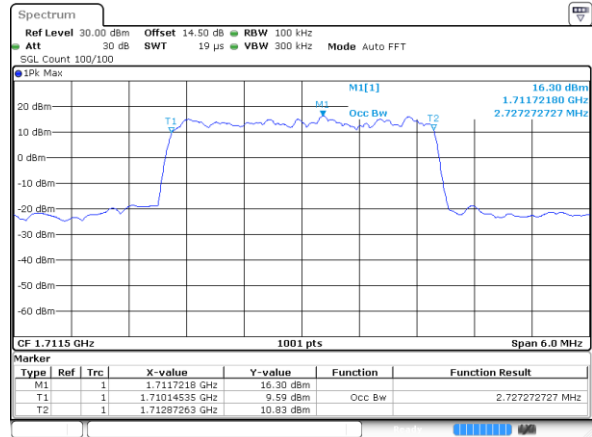


LTE Band 4

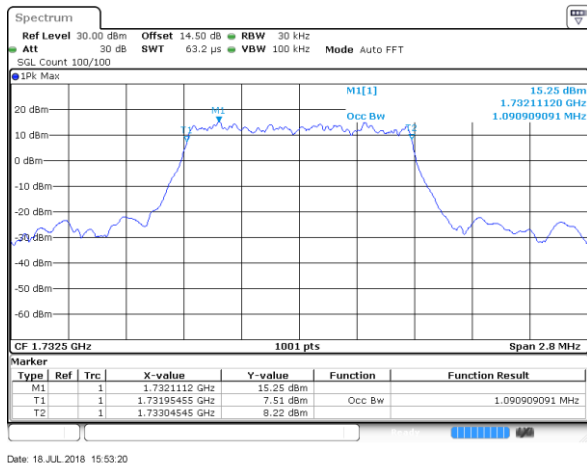
Lowest Channel / 1.4MHz / 64QAM



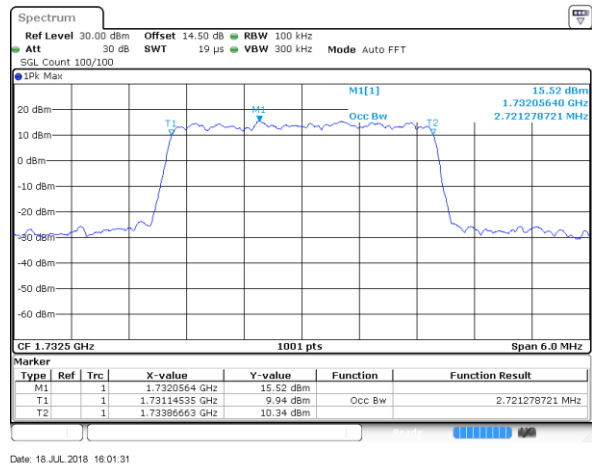
Lowest Channel / 3MHz / 64QAM



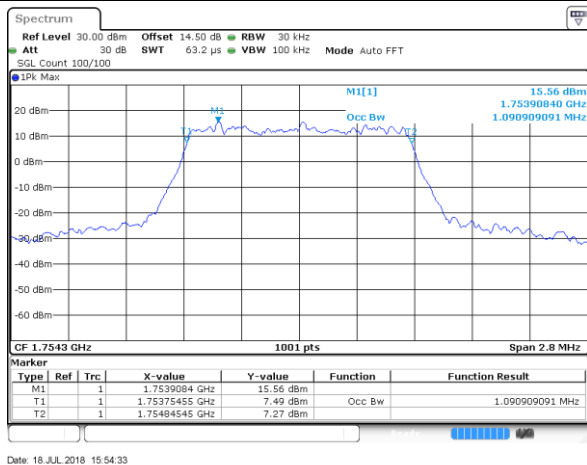
Middle Channel / 1.4MHz / 64QAM



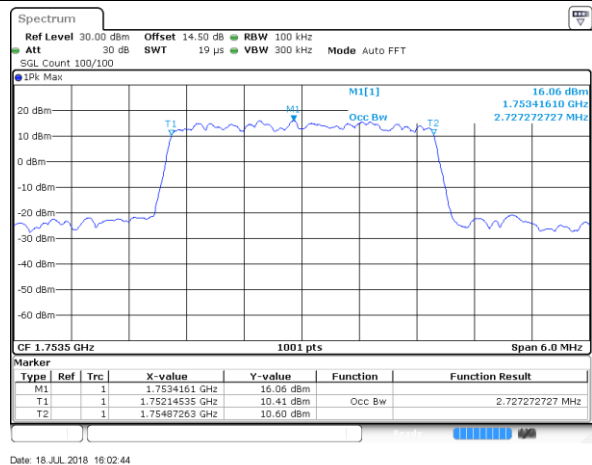
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM



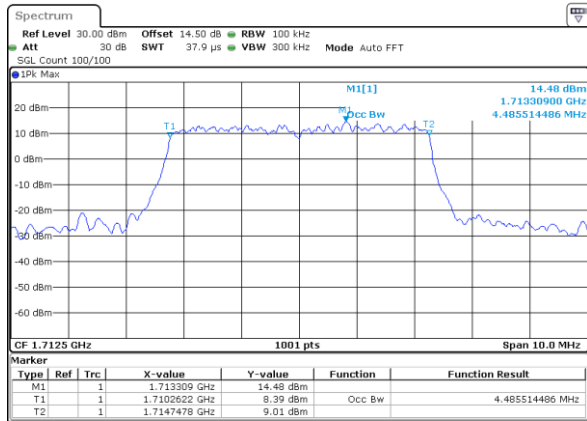
Highest Channel / 3MHz / 64QAM



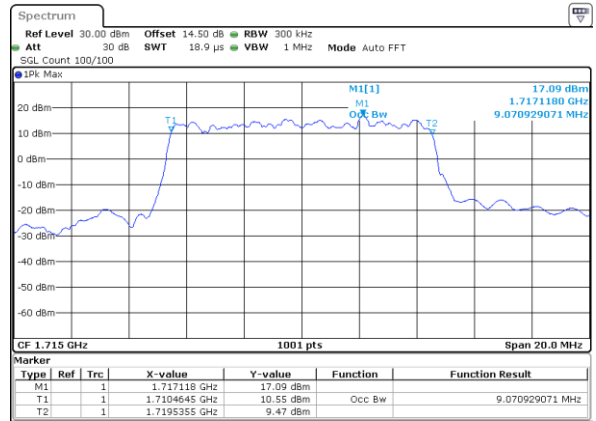


LTE Band 4

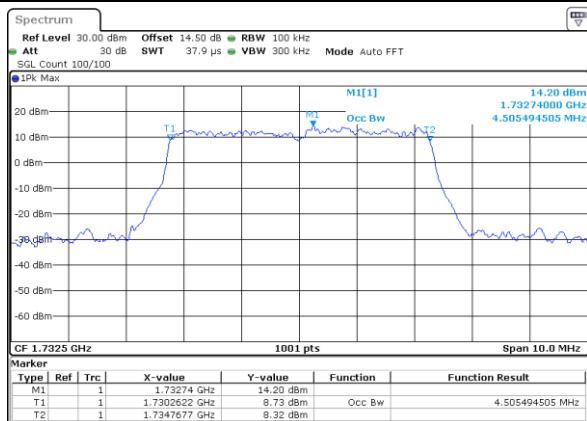
Lowest Channel / 5MHz / 64QAM



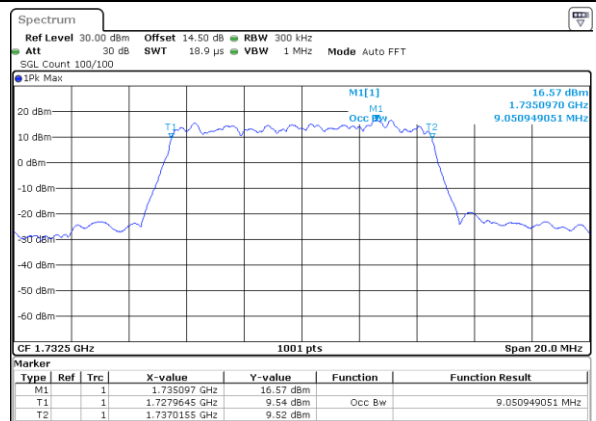
Lowest Channel / 10MHz / 64QAM



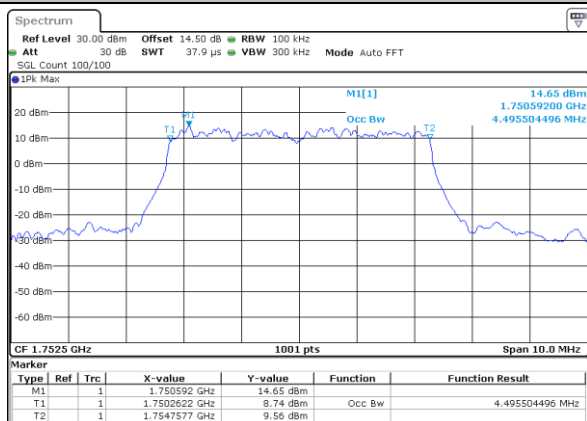
Middle Channel / 5MHz / 64QAM



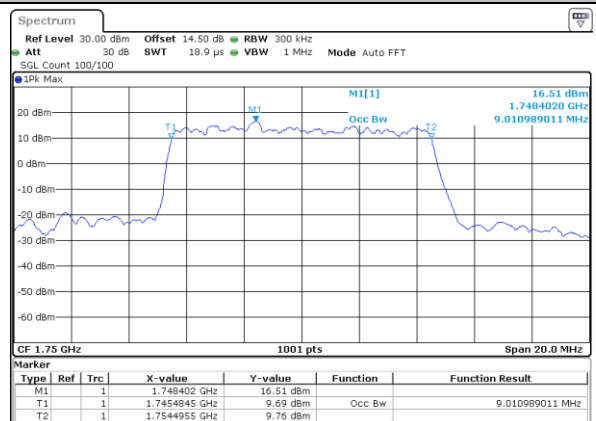
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



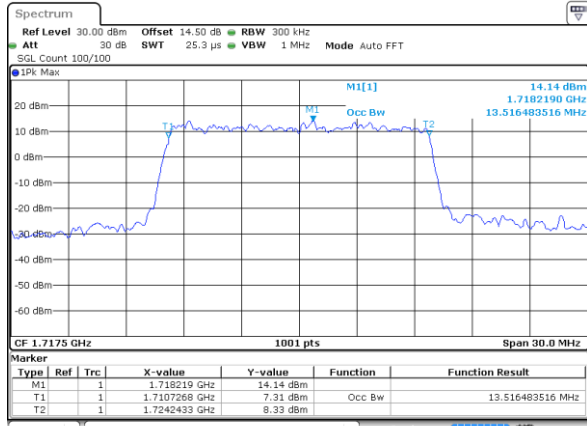
Highest Channel / 10MHz / 64QAM



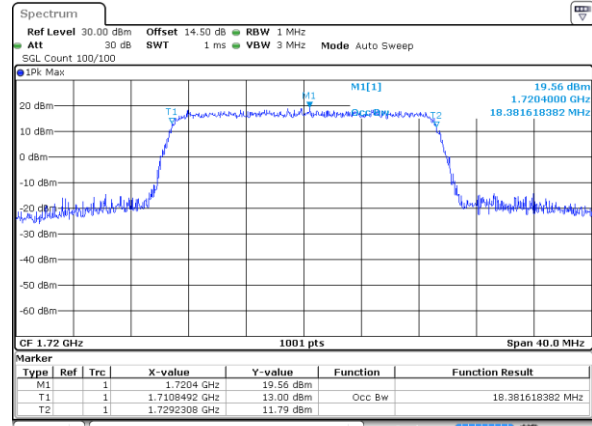


LTE Band 4

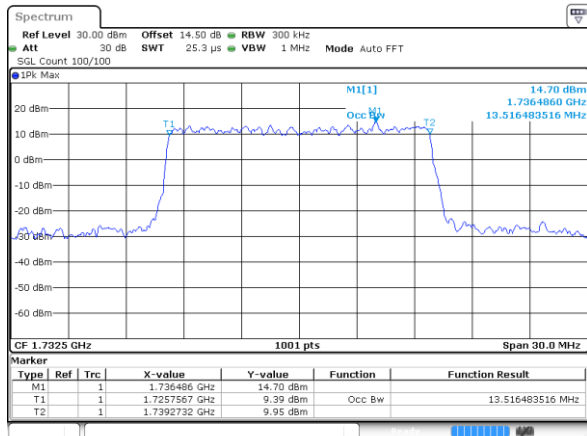
Lowest Channel / 15MHz / 64QAM



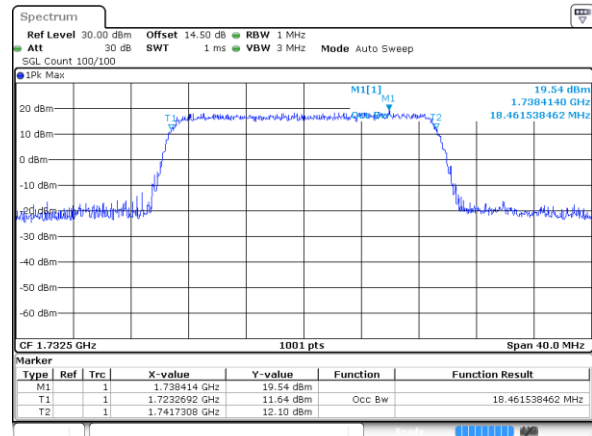
Lowest Channel / 20MHz / 64QAM



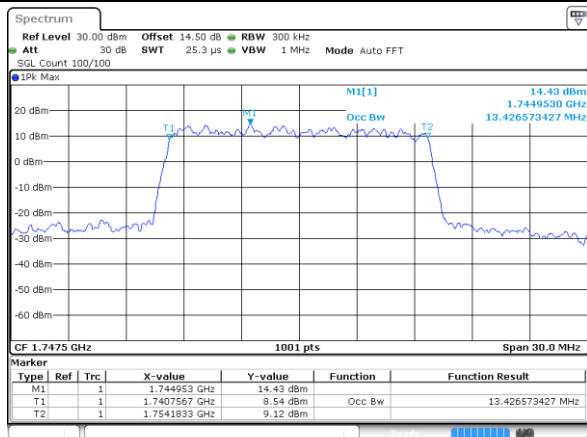
Middle Channel / 15MHz / 64QAM



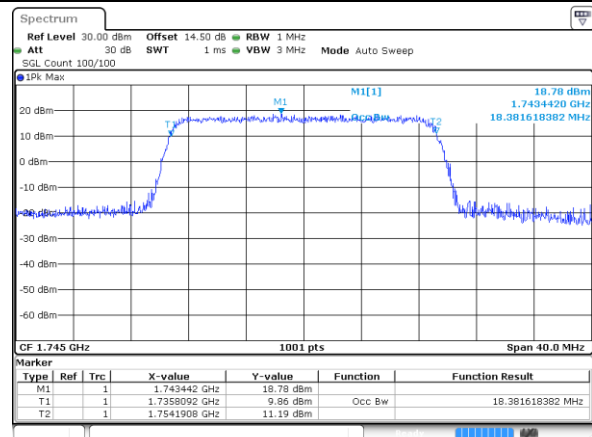
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



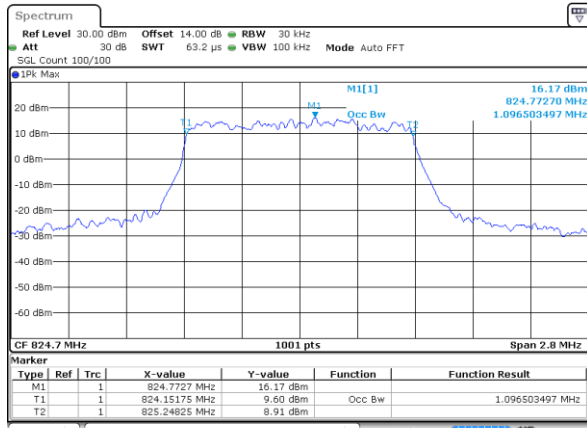
Highest Channel / 20MHz / 64QAM





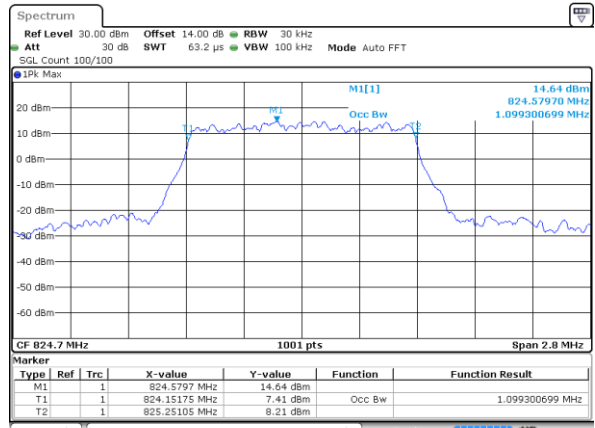
LTE Band 5

Lowest Channel / 1.4MHz / QPSK



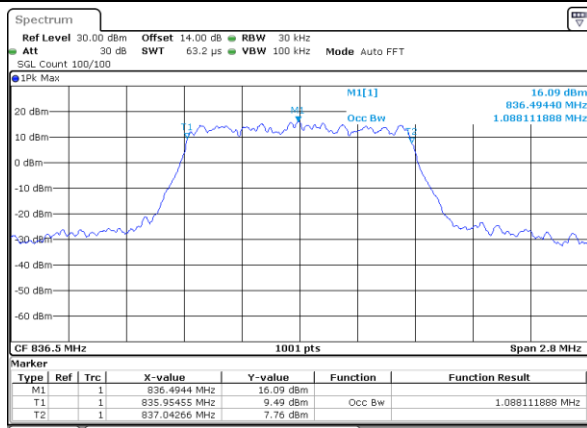
Date: 13 JUL 2018 14:21:05

Lowest Channel / 1.4MHz / 16QAM



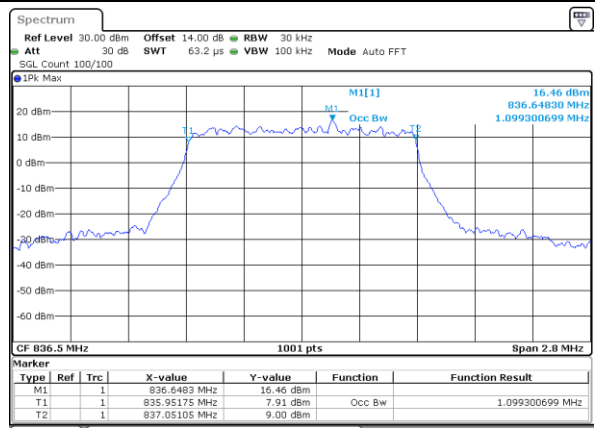
Date: 13 JUL 2018 14:21:15

Middle Channel / 1.4MHz / QPSK



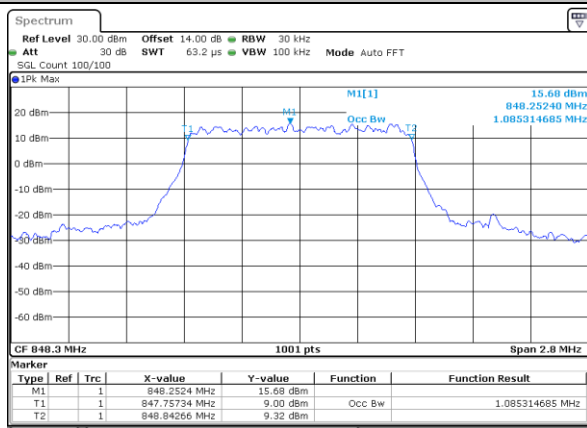
Date: 13 JUL 2018 14:30:02

Middle Channel / 1.4MHz / 16QAM



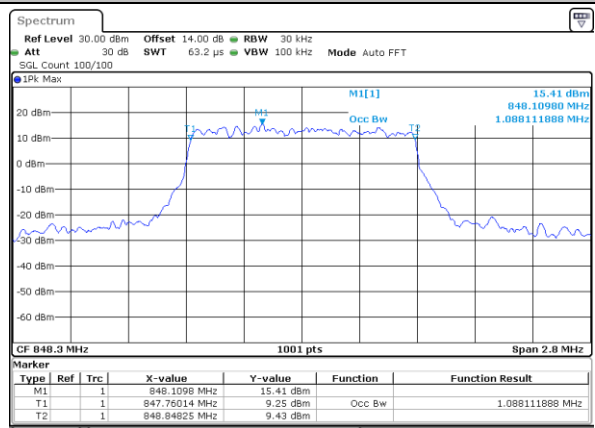
Date: 13 JUL 2018 14:30:12

Highest Channel / 1.4MHz / QPSK



Date: 13 JUL 2018 14:32:28

Highest Channel / 1.4MHz / 16QAM

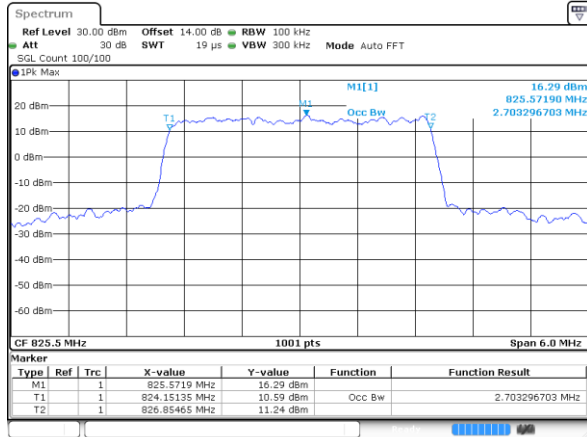


Date: 13 JUL 2018 14:32:38

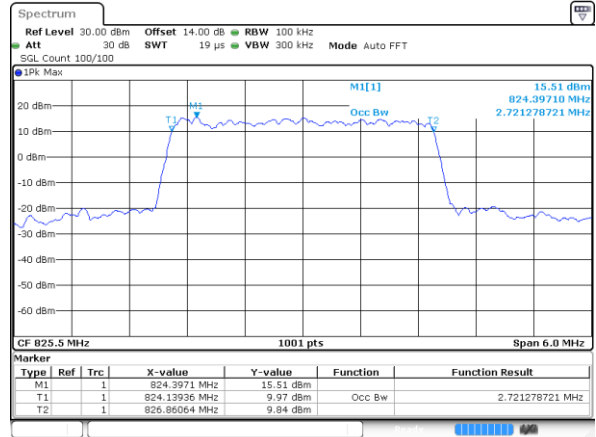


LTE Band 5

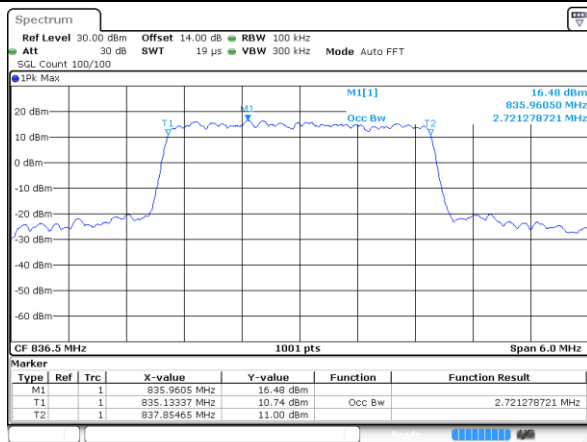
Lowest Channel / 3MHz / QPSK



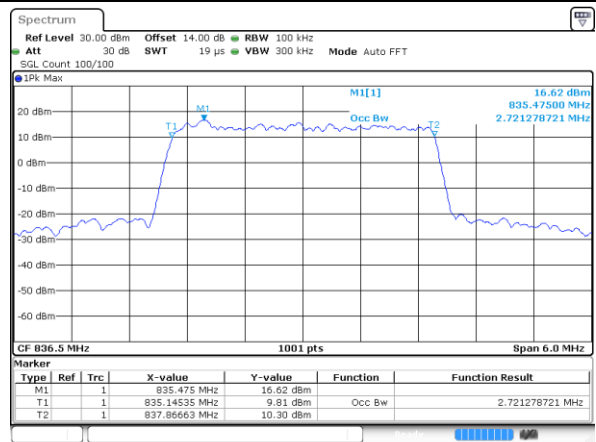
Lowest Channel / 3MHz / 16QAM



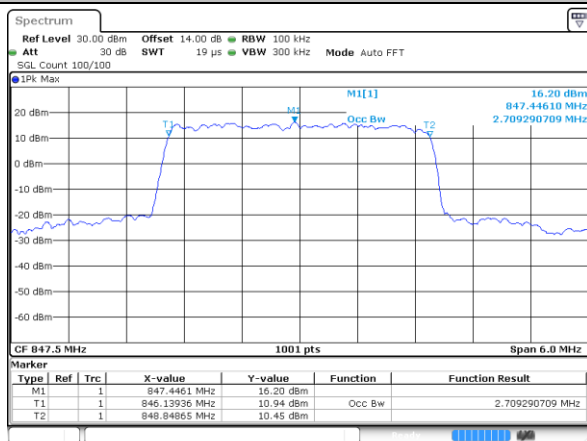
Middle Channel / 3MHz / QPSK



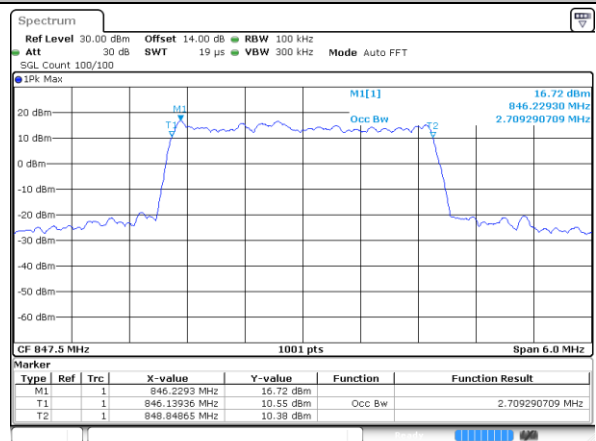
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



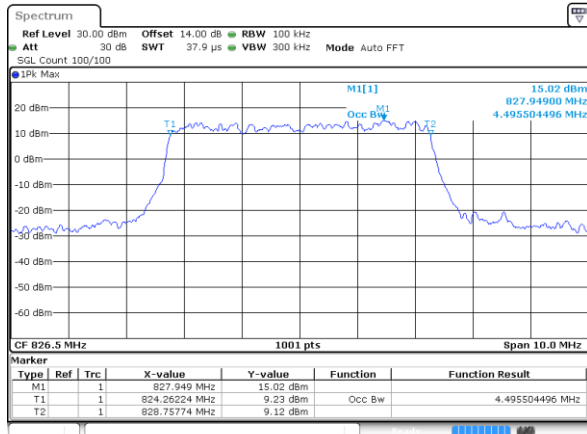
Highest Channel / 3MHz / 16QAM



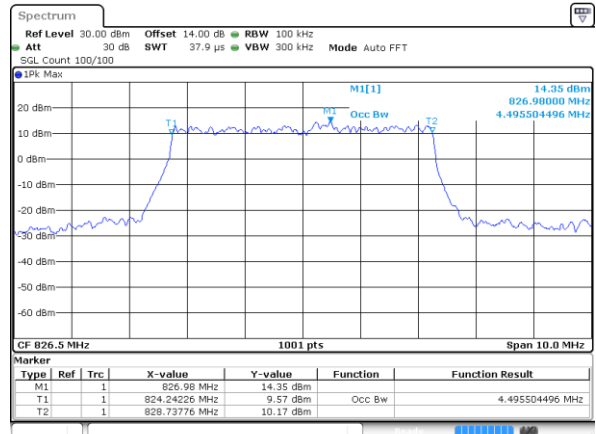


LTE Band 5

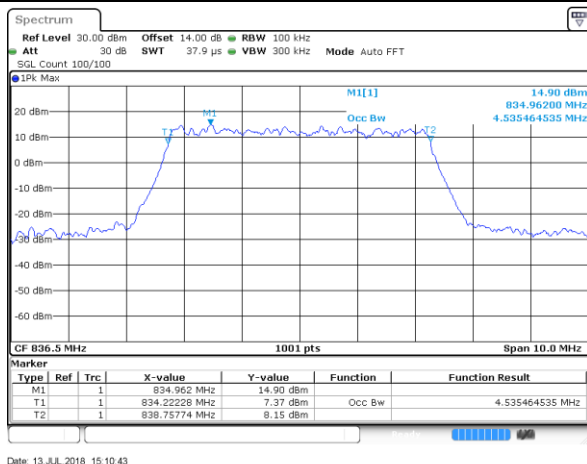
Lowest Channel / 5MHz / QPSK



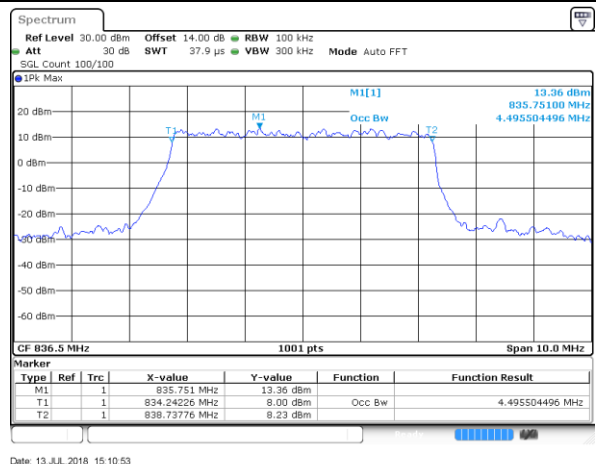
Lowest Channel / 5MHz / 16QAM



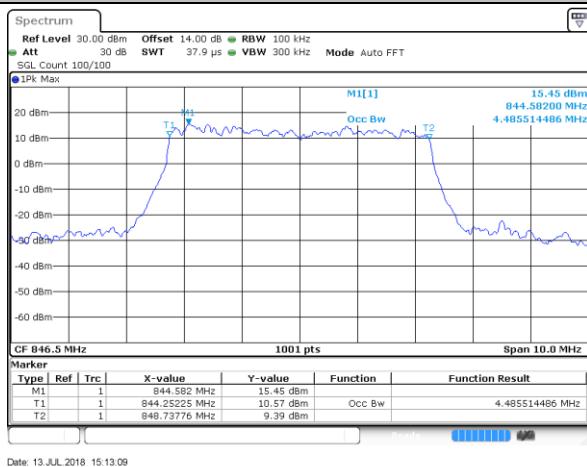
Middle Channel / 5MHz / QPSK



Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



Highest Channel / 5MHz / 16QAM

