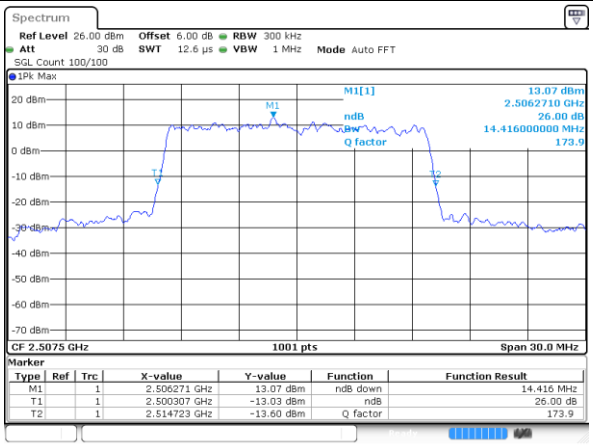
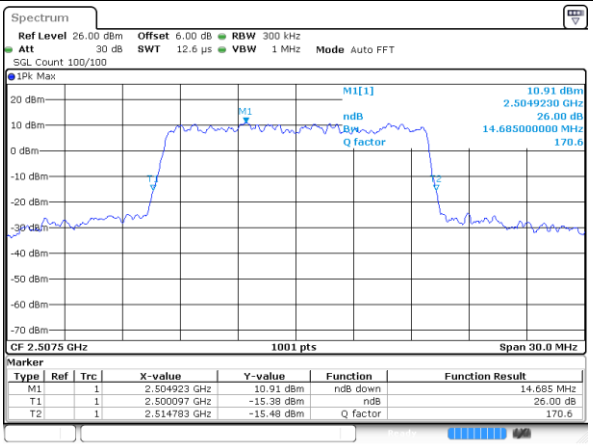
LTE Band 7

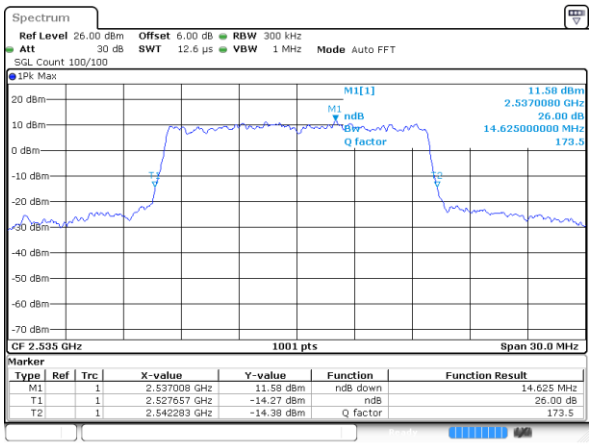
Lowest Channel / 15MHz / QPSK



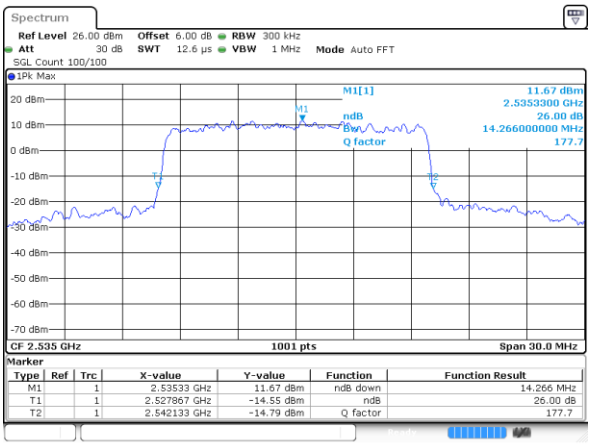
Lowest Channel / 15MHz / 16QAM



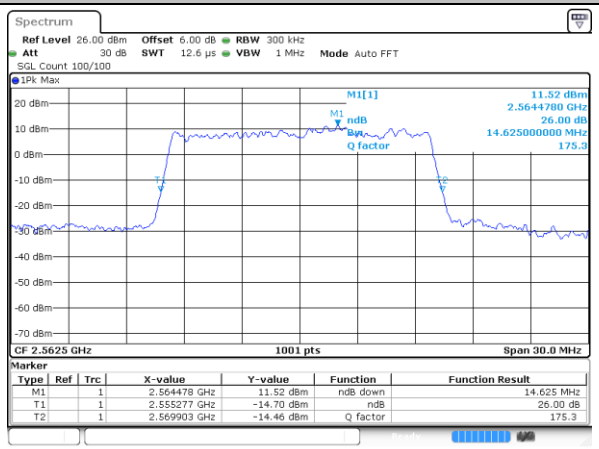
Middle Channel / 15MHz / QPSK



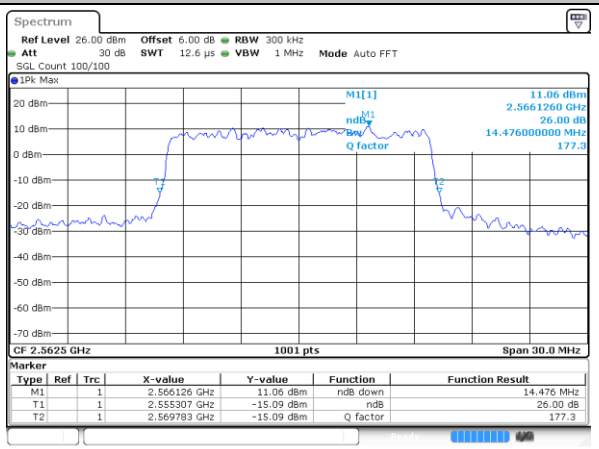
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

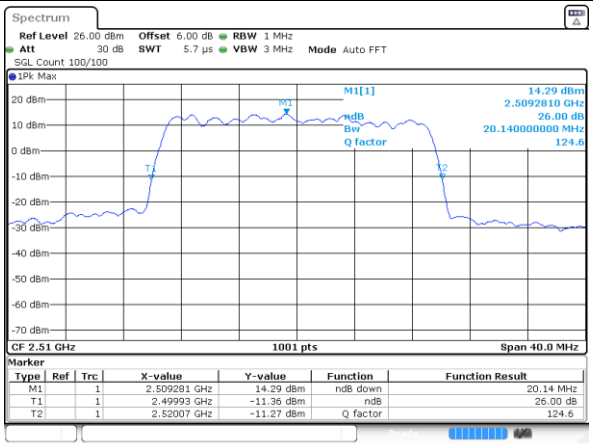


Highest Channel / 15MHz / 16QAM

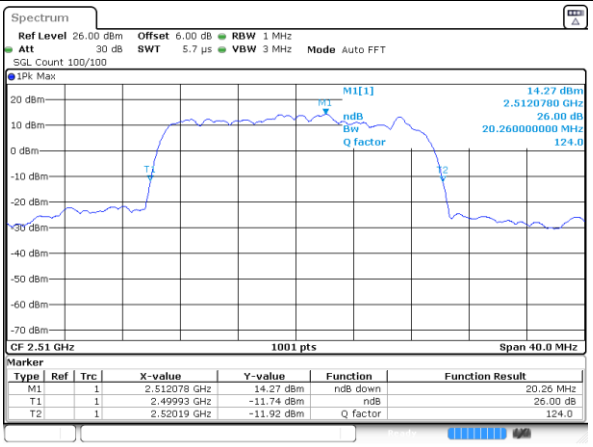


LTE Band 7

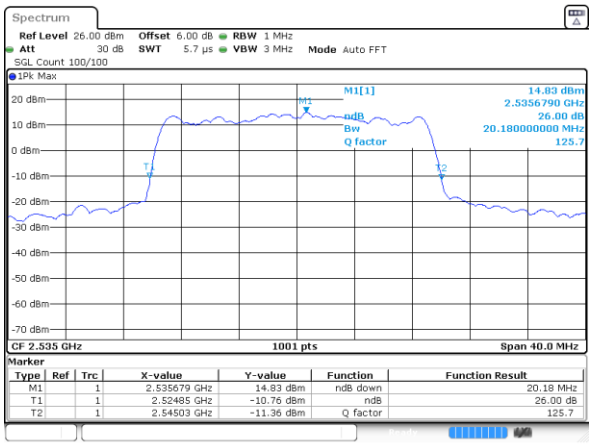
Lowest Channel / 20MHz / QPSK



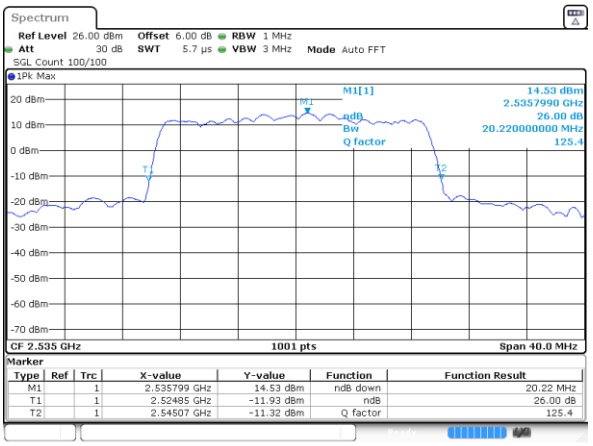
Lowest Channel / 20MHz / 16QAM



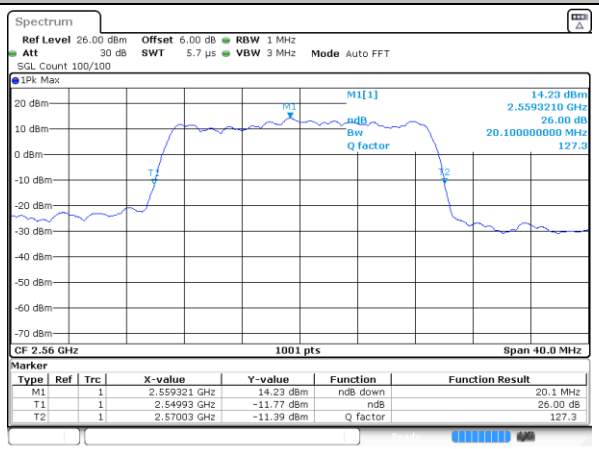
Middle Channel / 20MHz / QPSK



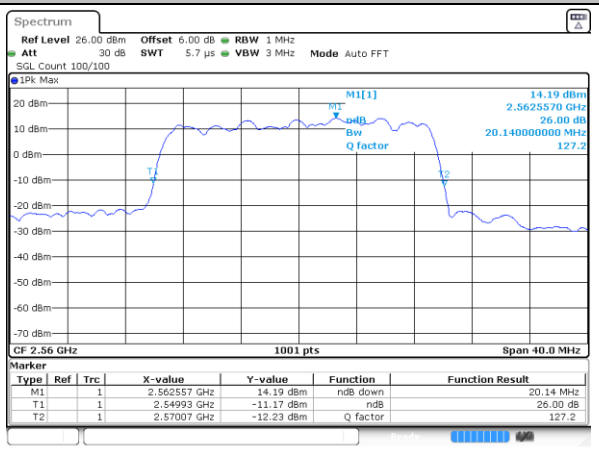
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK

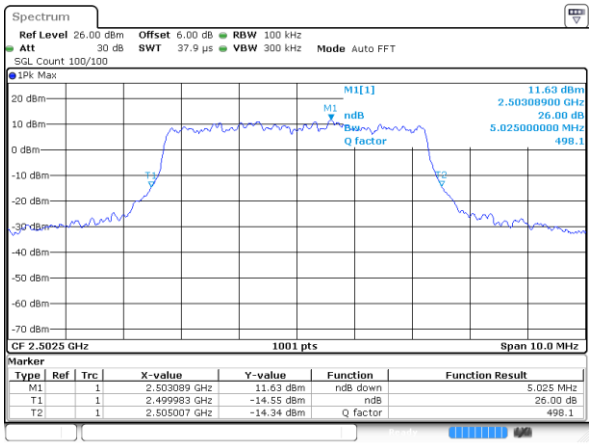


Highest Channel / 20MHz / 16QAM

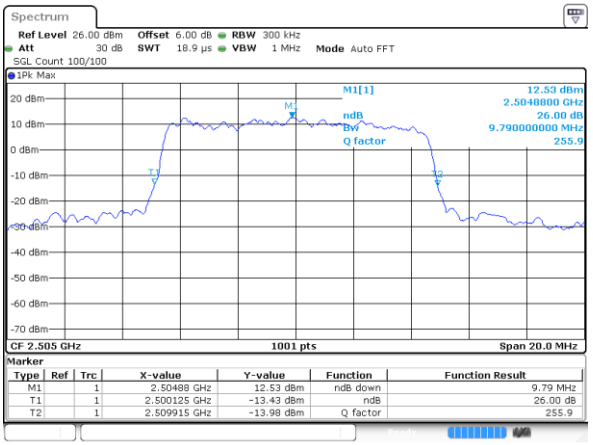


LTE Band 7

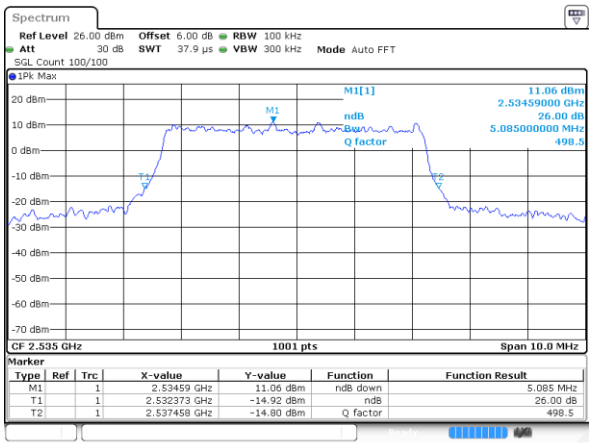
Lowest Channel / 5MHz / 64QAM



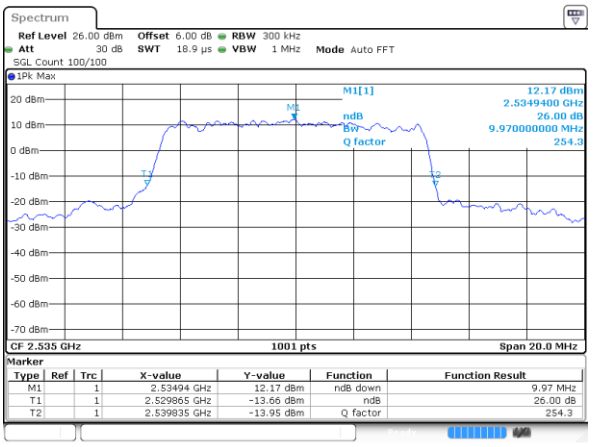
Lowest Channel / 10MHz / 64QAM



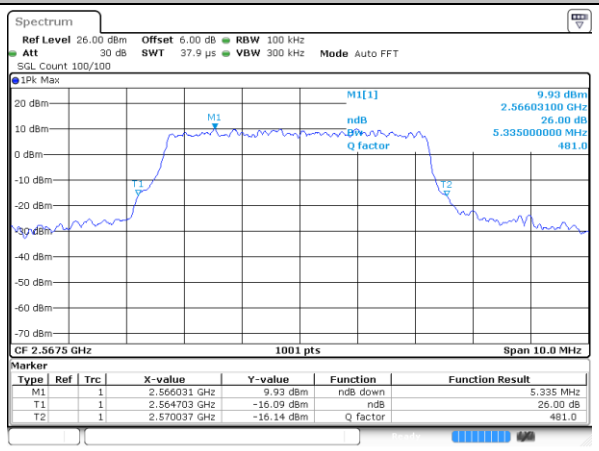
Middle Channel / 5MHz / 64QAM



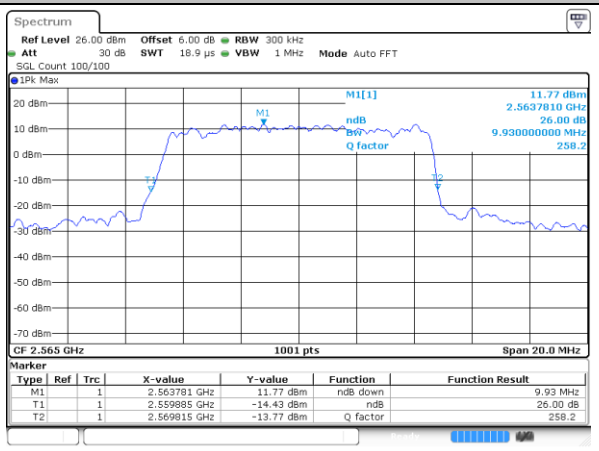
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM

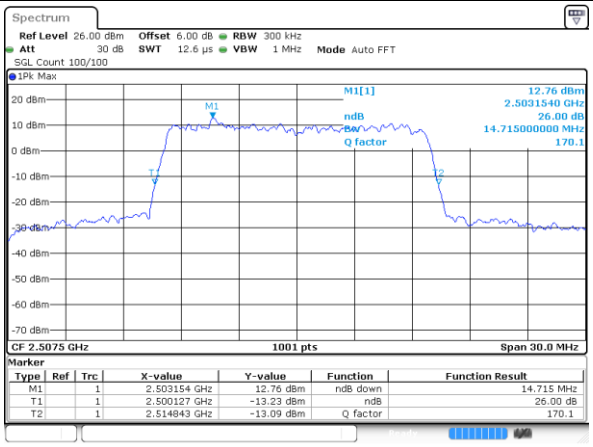


Highest Channel / 10MHz / 64QAM

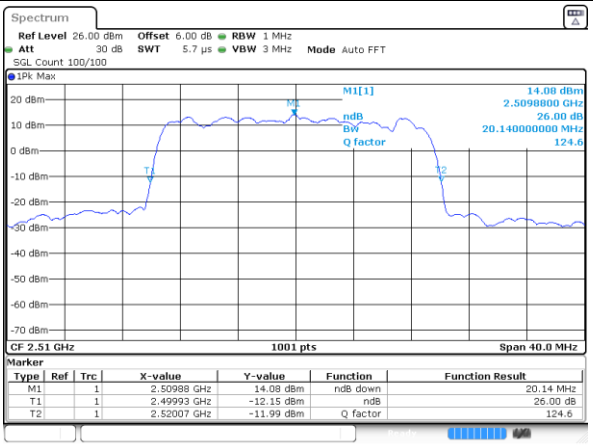


LTE Band 7

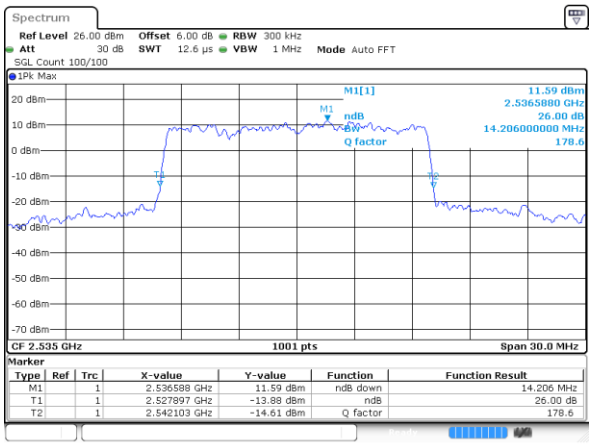
Lowest Channel / 15MHz / 64QAM



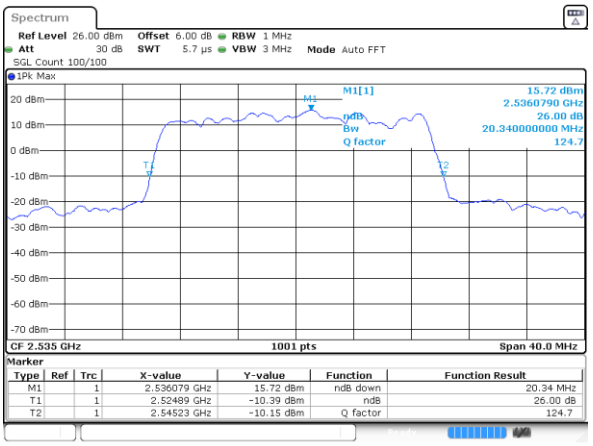
Lowest Channel / 20MHz / 64QAM



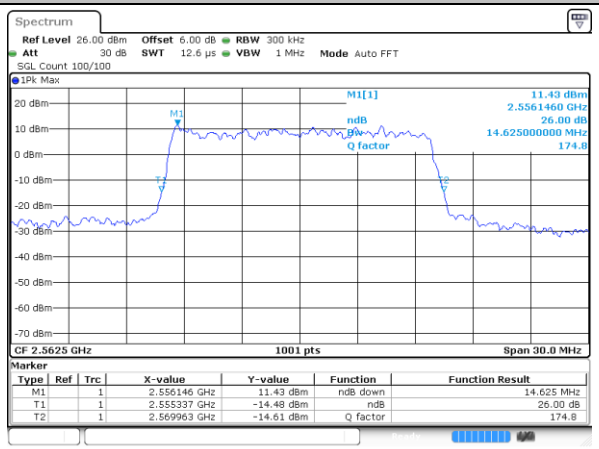
Middle Channel / 15MHz / 64QAM



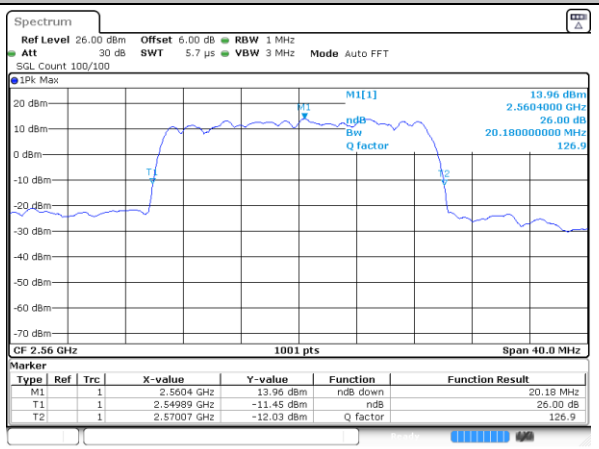
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM

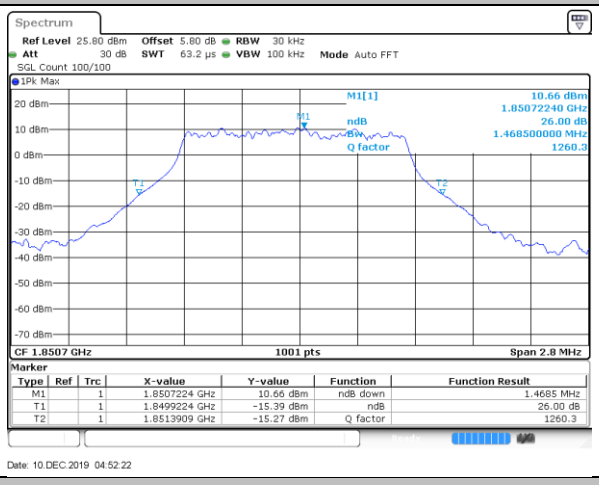


Highest Channel / 20MHz / 64QAM

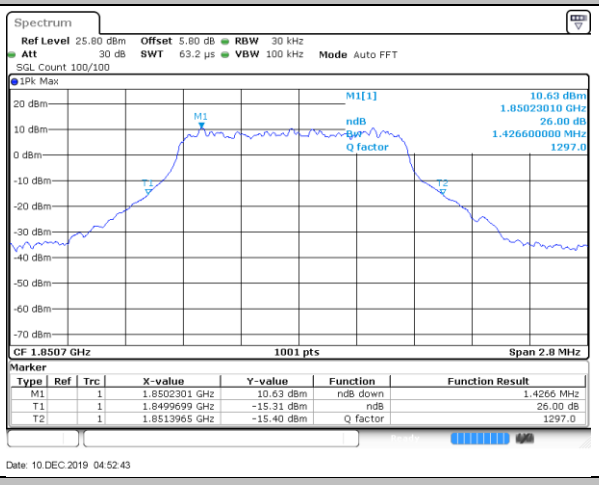


LTE Band 25

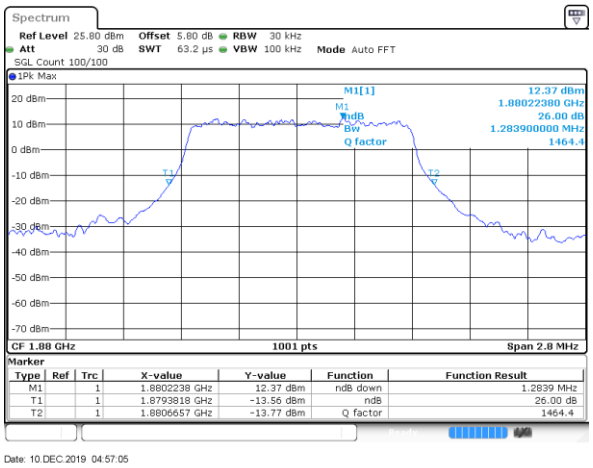
Lowest Channel / 1.4MHz / QPSK



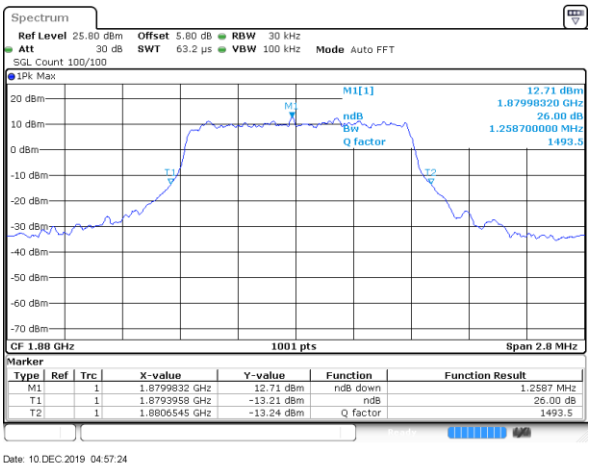
Lowest Channel / 1.4MHz / 16QAM



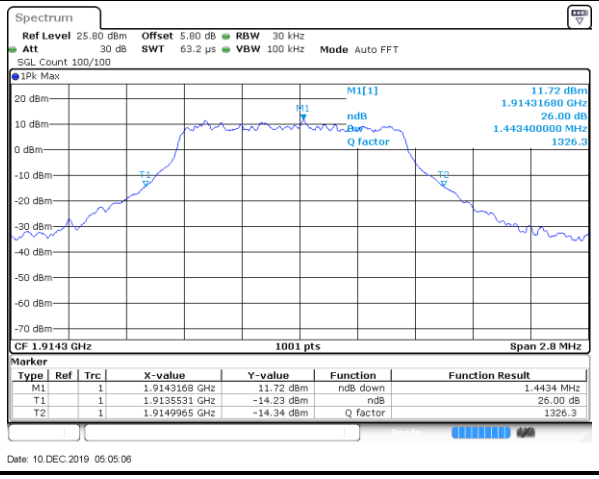
Middle Channel / 1.4MHz / QPSK



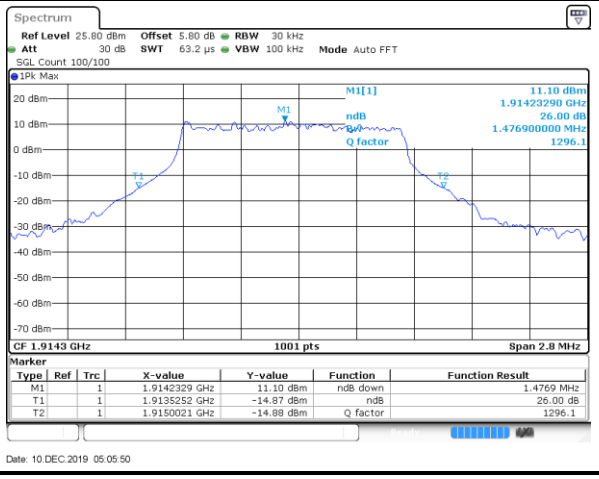
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

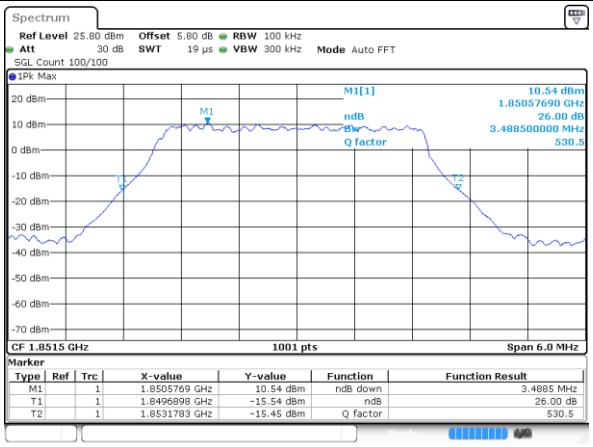


Highest Channel / 1.4MHz / 16QAM

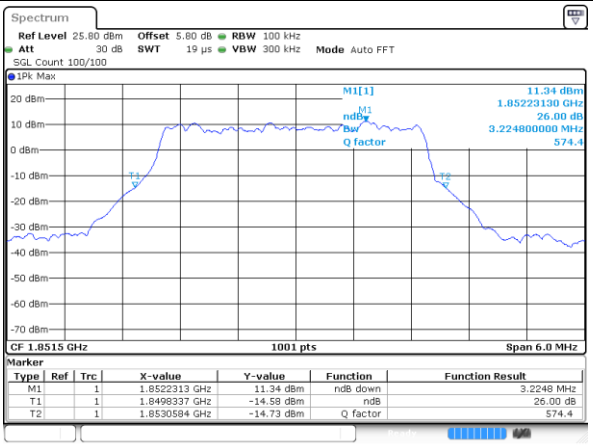


LTE Band 25

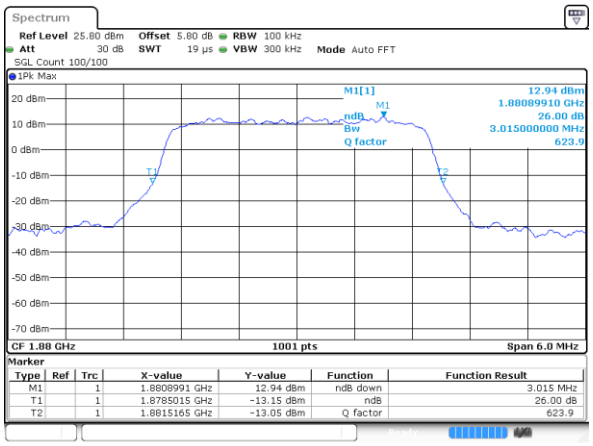
Lowest Channel / 3MHz / QPSK



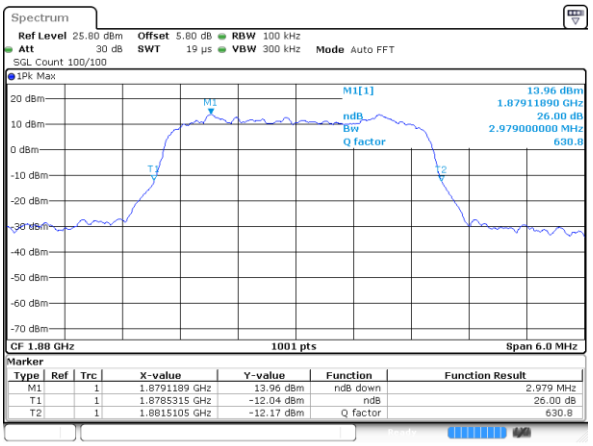
Lowest Channel / 3MHz / 16QAM



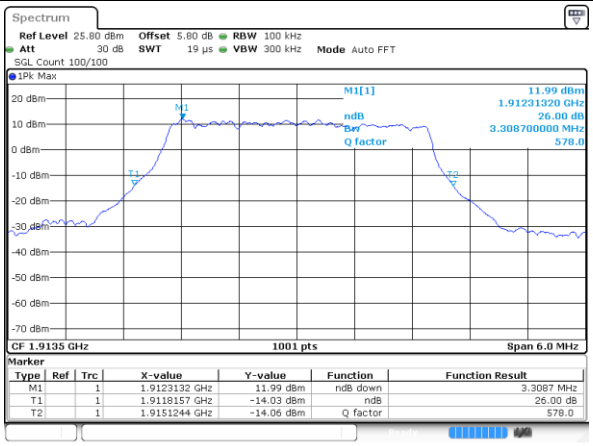
Middle Channel / 3MHz / QPSK



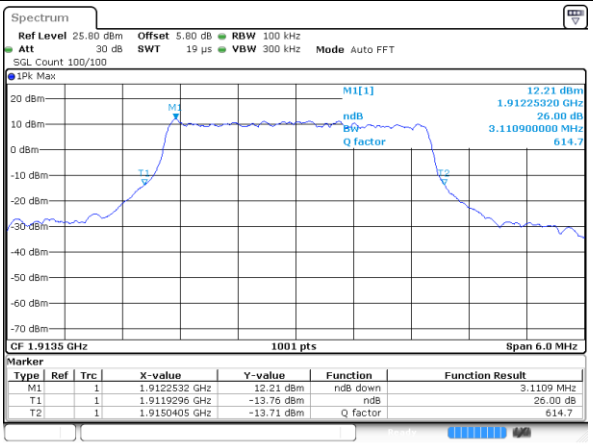
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

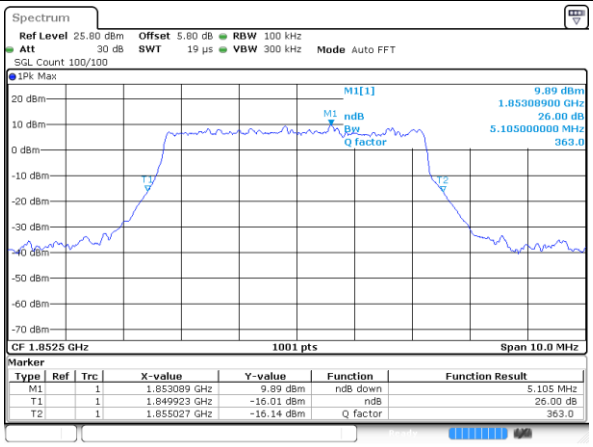


Highest Channel / 3MHz / 16QAM

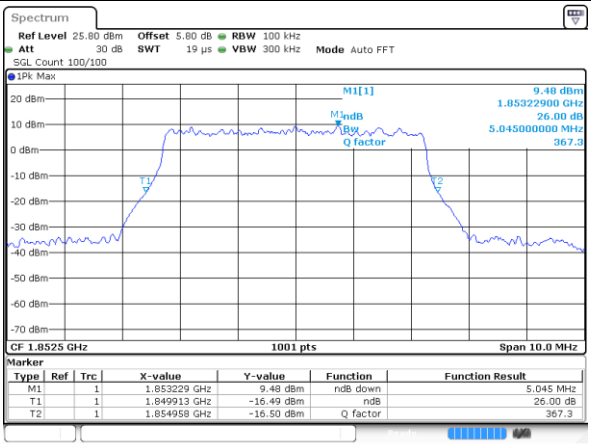


LTE Band 25

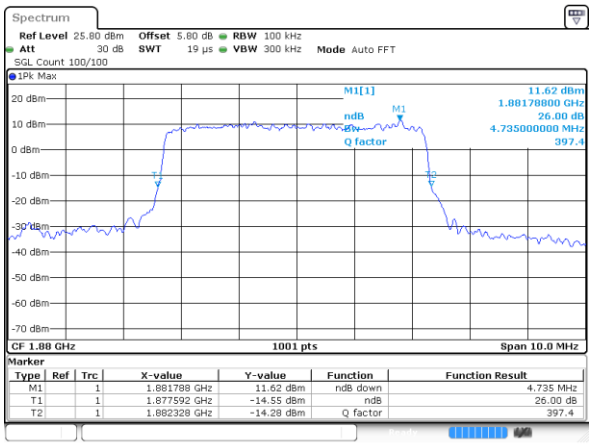
Lowest Channel / 5MHz / QPSK



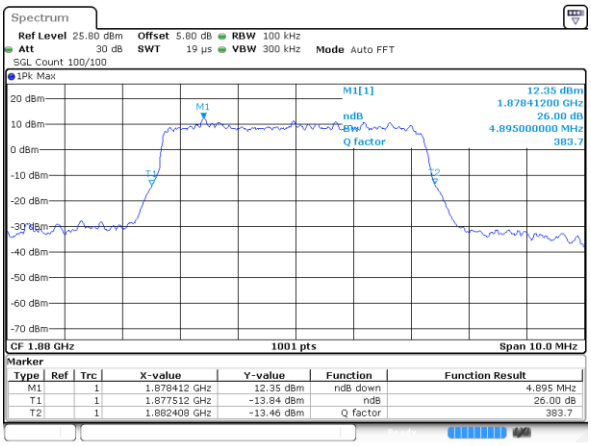
Lowest Channel / 5MHz / 16QAM



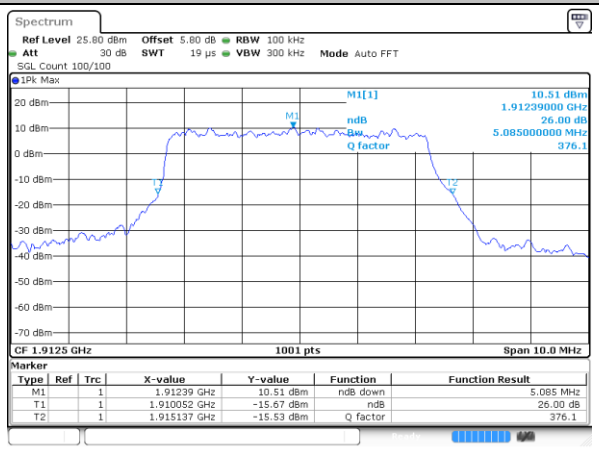
Middle Channel / 5MHz / QPSK



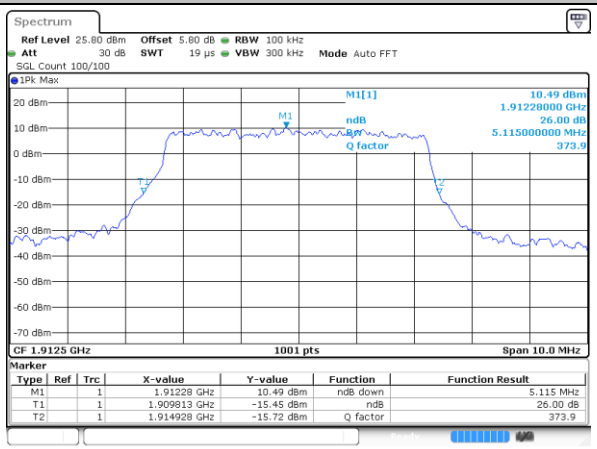
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

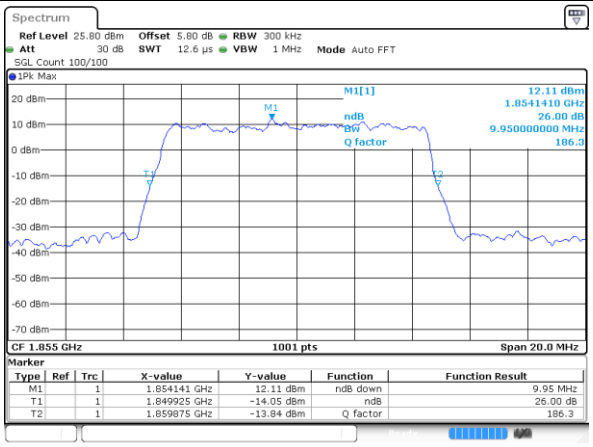


Highest Channel / 5MHz / 16QAM

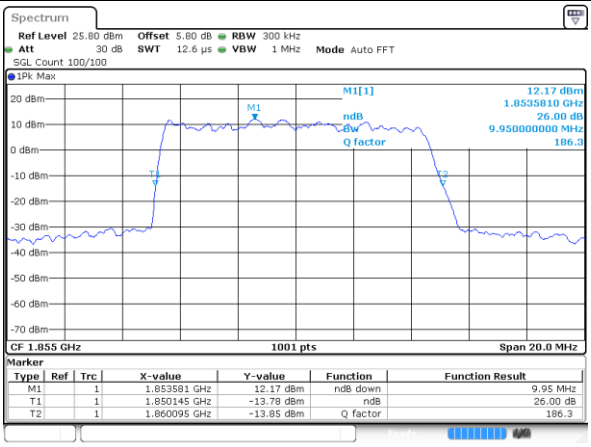


LTE Band 25

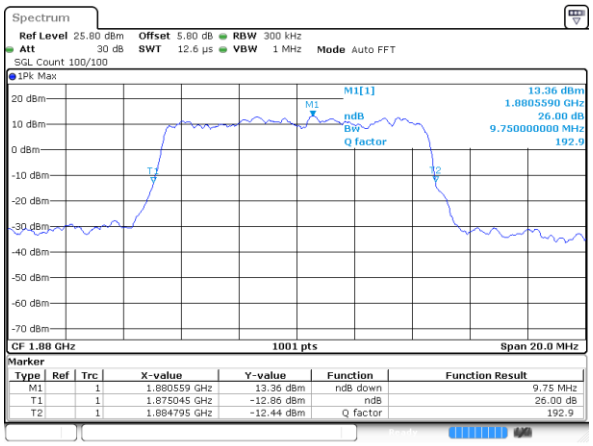
Lowest Channel / 10MHz / QPSK



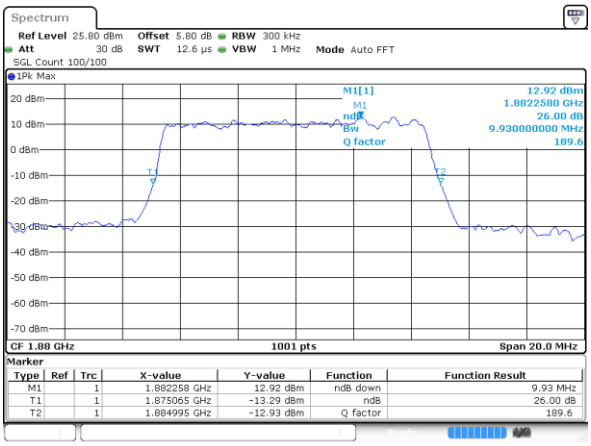
Lowest Channel / 10MHz / 16QAM



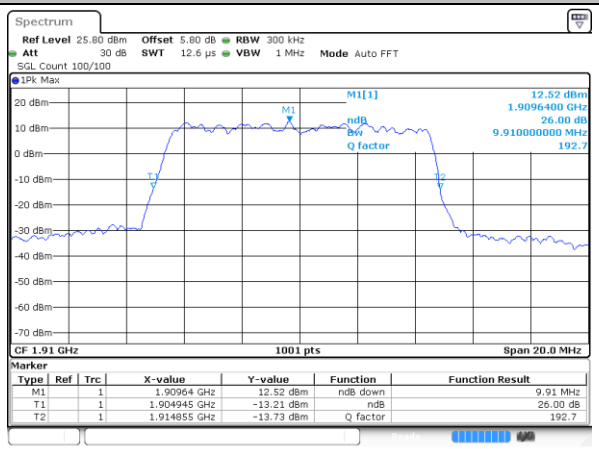
Middle Channel / 10MHz / QPSK



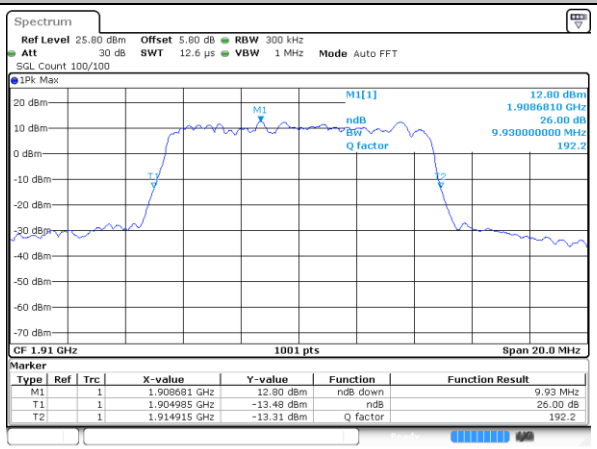
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

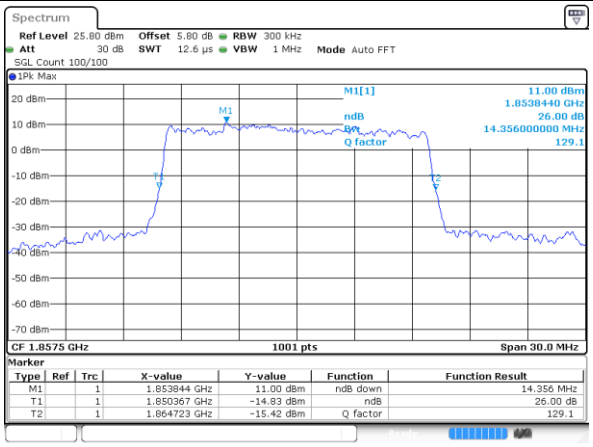


Highest Channel / 10MHz / 16QAM

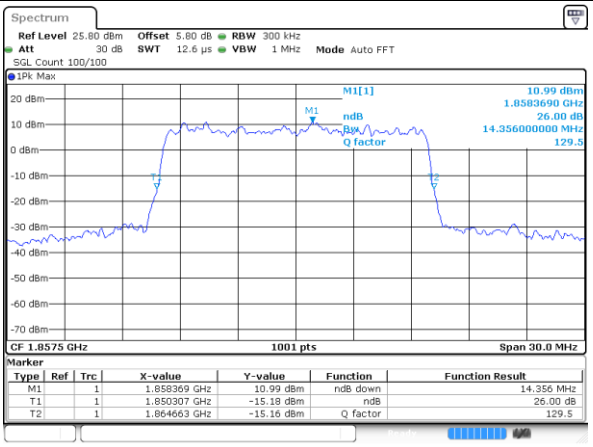


LTE Band 25

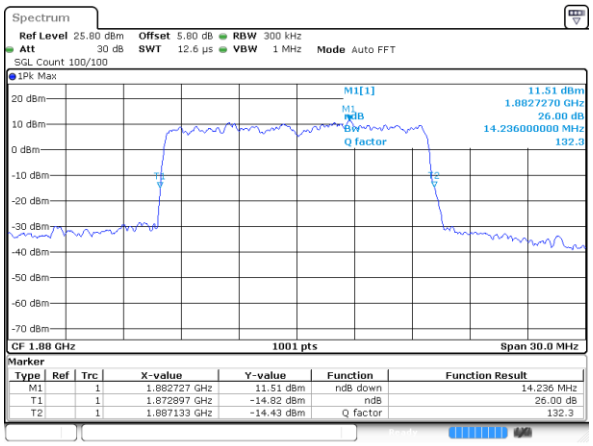
Lowest Channel / 15MHz / QPSK



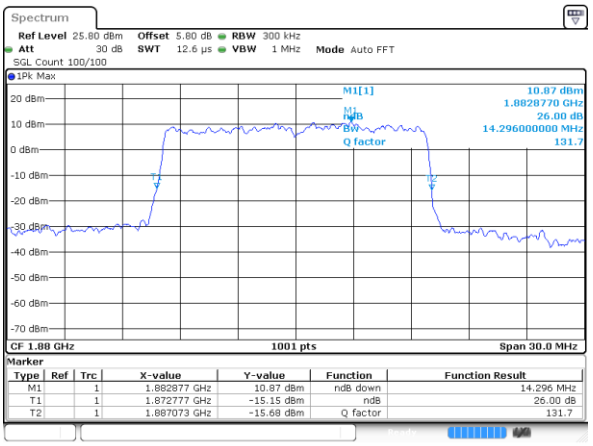
Lowest Channel / 15MHz / 16QAM



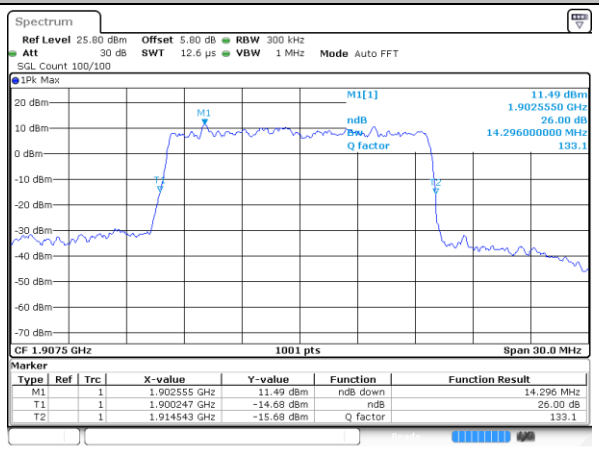
Middle Channel / 15MHz / QPSK



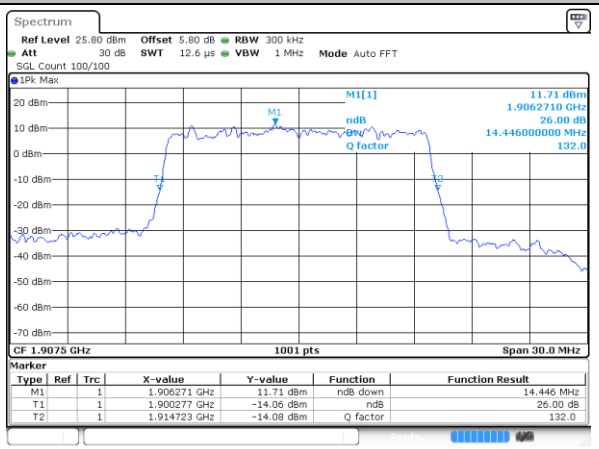
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

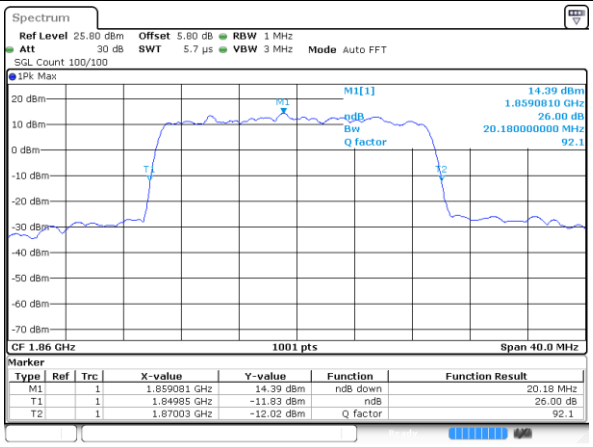


Highest Channel / 15MHz / 16QAM

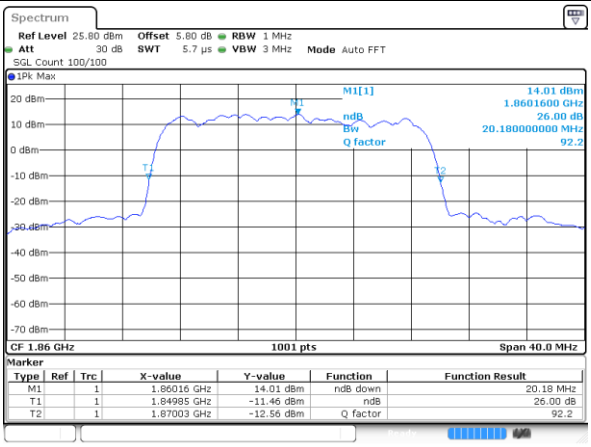


LTE Band 25

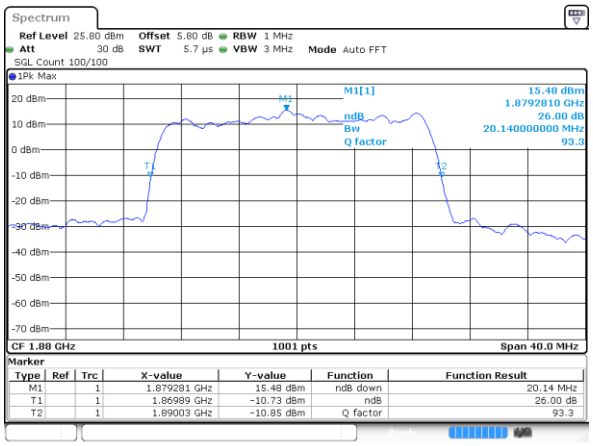
Lowest Channel / 20MHz / QPSK



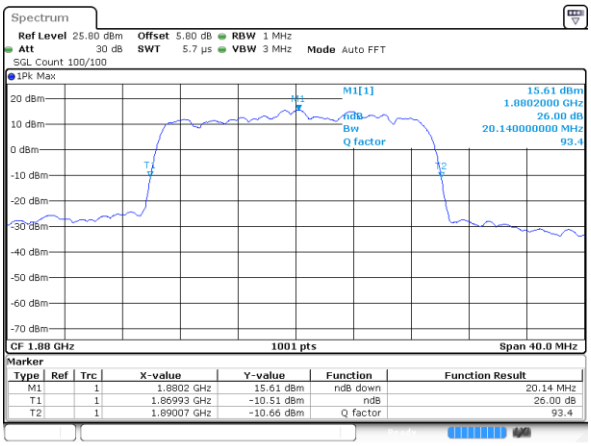
Lowest Channel / 20MHz / 16QAM



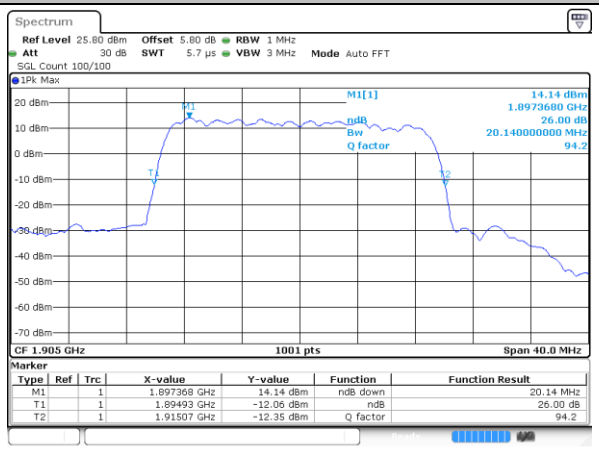
Middle Channel / 20MHz / QPSK



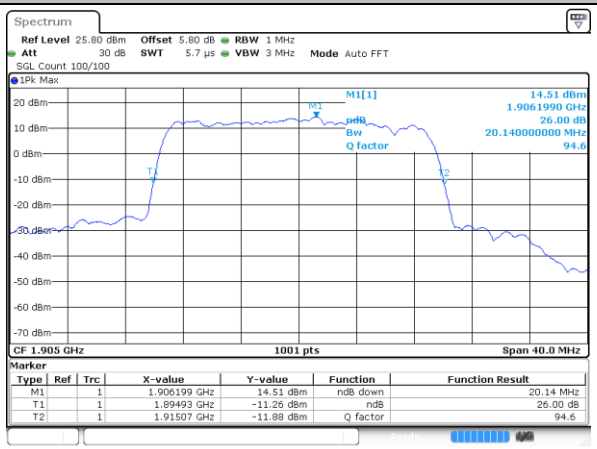
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK

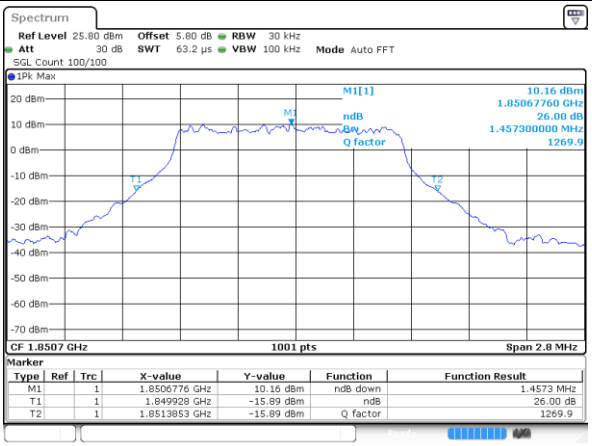


Highest Channel / 20MHz / 16QAM

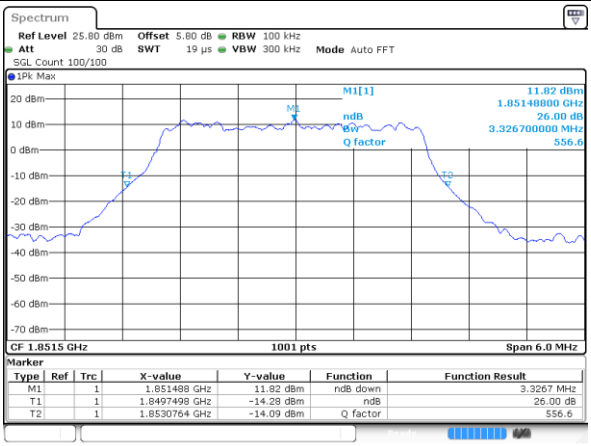


LTE Band 25

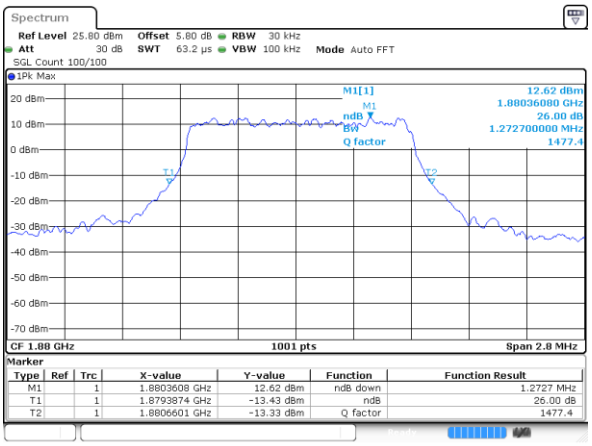
Lowest Channel / 1.4MHz / 64QAM



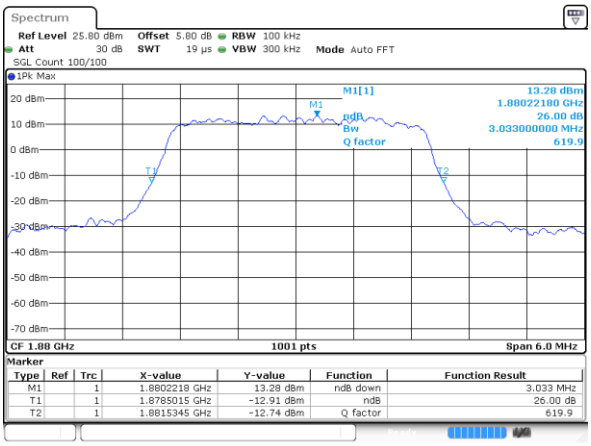
Lowest Channel / 3MHz / 64QAM



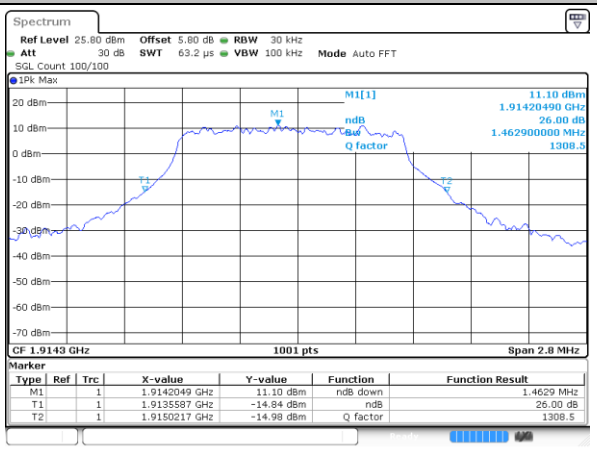
Middle Channel / 1.4MHz / 64QAM



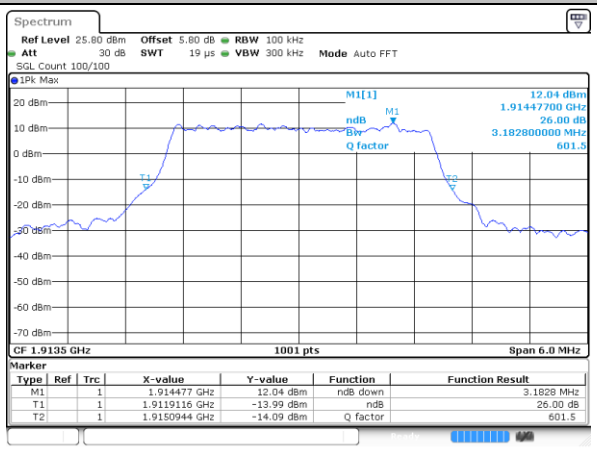
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM

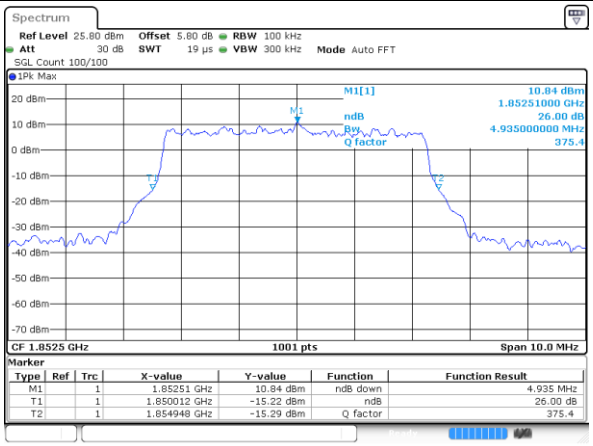


Highest Channel / 3MHz / 64QAM

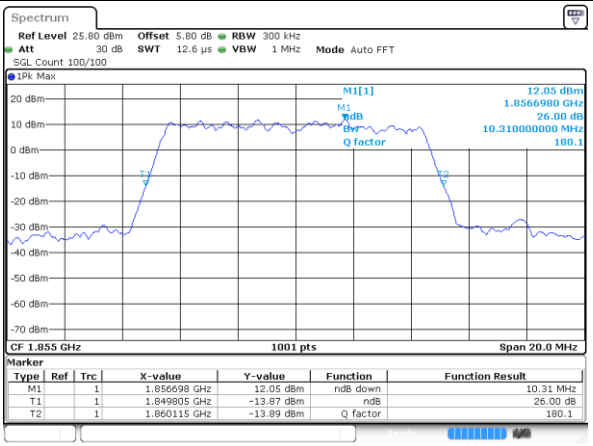


LTE Band 25

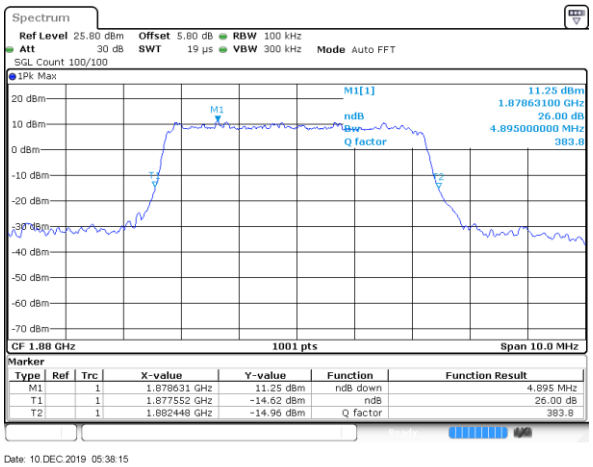
Lowest Channel / 5MHz / 64QAM



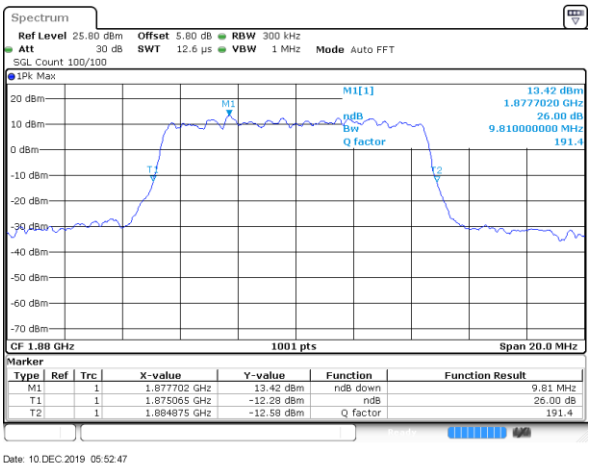
Lowest Channel / 10MHz / 64QAM



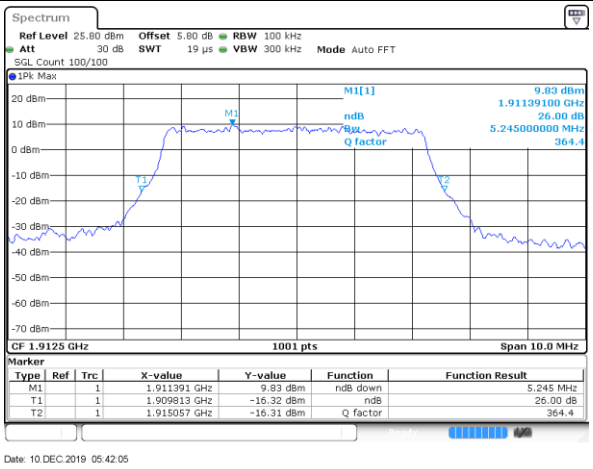
Middle Channel / 5MHz / 64QAM



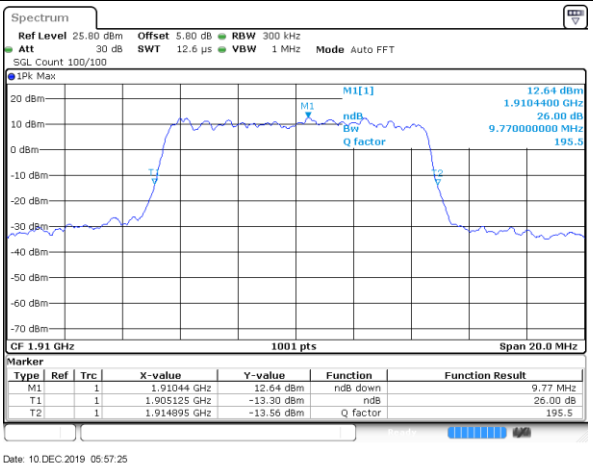
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM

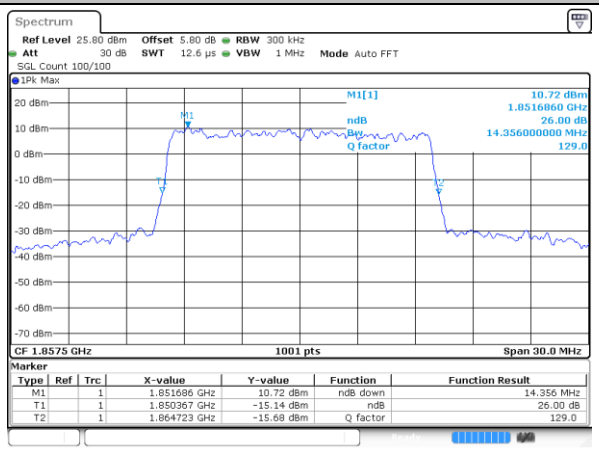


Highest Channel / 10MHz / 64QAM

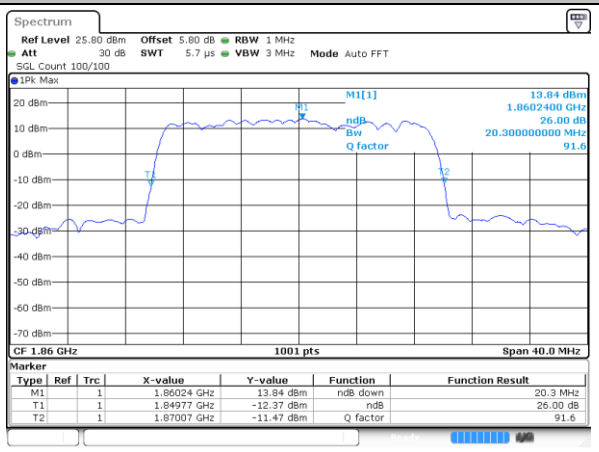


LTE Band 25

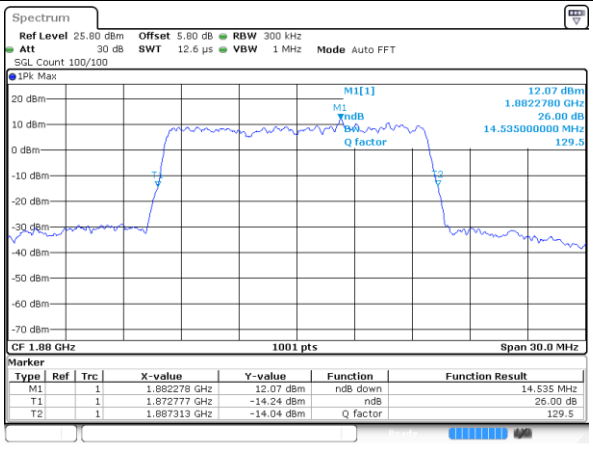
Lowest Channel / 15MHz / 64QAM



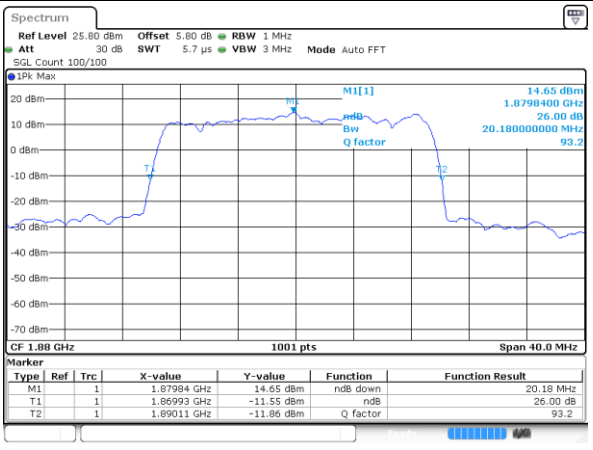
Lowest Channel / 20MHz / 64QAM



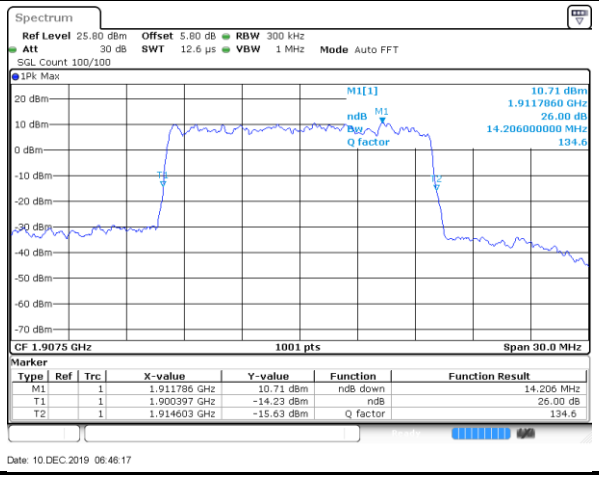
Middle Channel / 15MHz / 64QAM



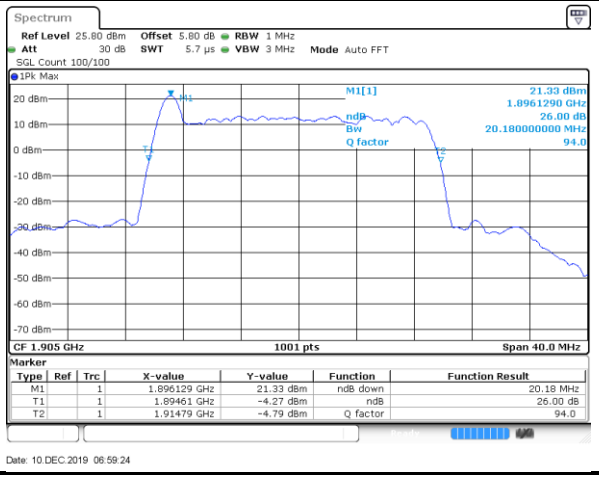
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



Highest Channel / 20MHz / 64QAM



A.2.4 Occupied Bandwidth

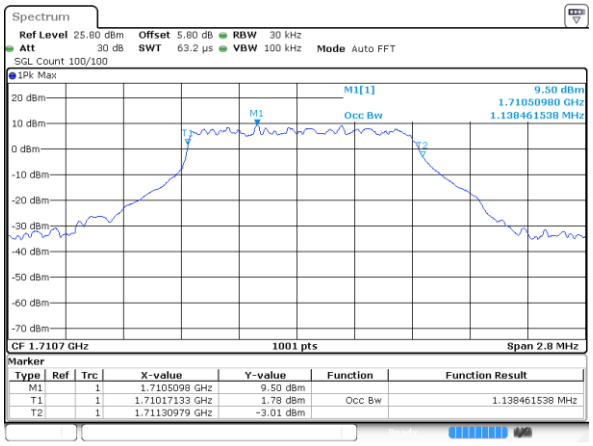
Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.14	1.11	2.80	2.74	4.53	4.51	8.99	8.97	13.40	13.37	18.14	18.34
Middle CH	1.13	1.11	2.76	2.76	4.51	4.51	9.05	9.09	13.52	13.49	18.50	18.46
Highest CH	1.12	1.14	2.75	2.73	4.50	4.50	9.13	9.03	13.40	13.31	18.26	18.26
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-
Lowest CH	1.12	-	2.75	-	4.51	-	9.01	-	13.37	-	18.30	-
Middle CH	1.10	-	2.76	-	4.60	-	9.05	-	13.43	-	18.54	-
Highest CH	1.09	-	2.72	-	4.53	-	9.01	-	13.40	-	18.26	-

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	4.54	9.05	9.03	13.46	13.40	18.30	18.30
Middle CH	-	-	-	-	4.53	4.52	9.03	9.05	13.46	13.37	18.34	18.34
Highest CH	-	-	-	-	4.55	4.52	9.05	8.97	13.49	13.49	18.38	18.26
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-
Lowest CH	-	-	-	-	4.52	-	9.03	-	13.49	-	18.34	-
Middle CH	-	-	-	-	4.54	-	9.03	-	13.43	-	18.30	-
Highest CH	-	-	-	-	4.51	-	9.03	-	13.43	-	18.34	-

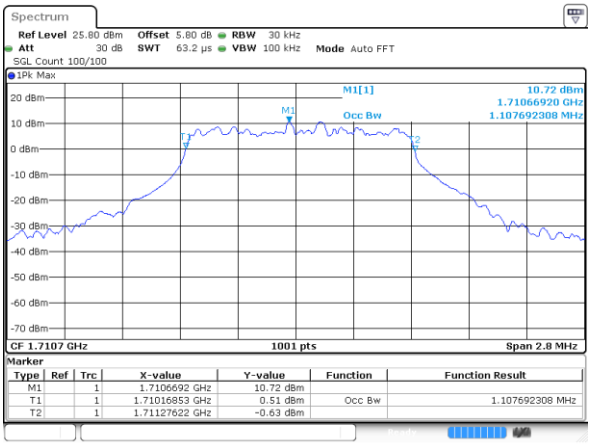
Mode	LTE Band 25 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.11	1.11	2.73	2.81	4.55	4.52	9.07	9.03	13.49	13.52	18.50	18.42
Middle CH	1.08	1.09	2.67	2.67	4.49	4.48	9.01	9.05	13.46	13.43	18.46	18.54
Highest CH	1.13	1.10	2.73	2.75	4.49	4.50	8.99	9.01	13.43	13.61	18.42	18.38
Mod.	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-
Lowest CH	1.11	-	2.77	-	4.50	-	9.01	-	13.46	-	18.46	-
Middle CH	1.09	-	2.65	-	4.46	-	9.05	-	13.40	-	18.38	-
Highest CH	1.13	-	2.75	-	4.51	-	8.99	-	13.46	-	18.38	-

LTE Band 4

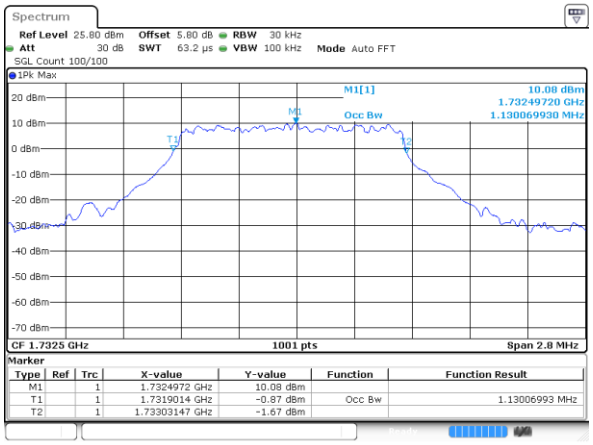
Lowest Channel / 1.4MHz / QPSK



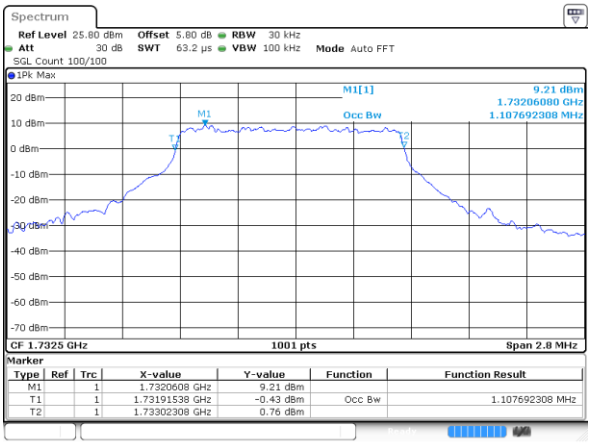
Lowest Channel / 1.4MHz / 16QAM



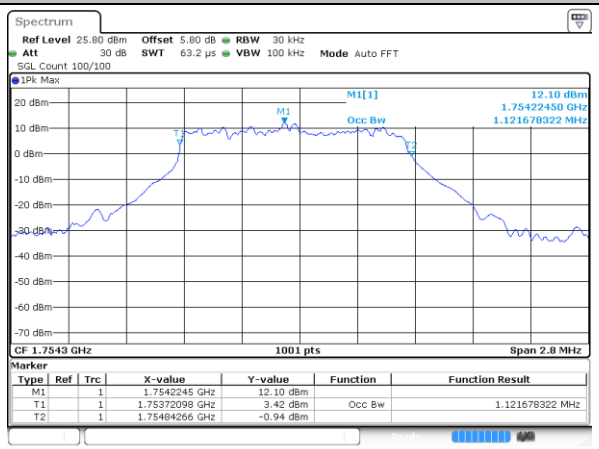
Middle Channel / 1.4MHz / QPSK



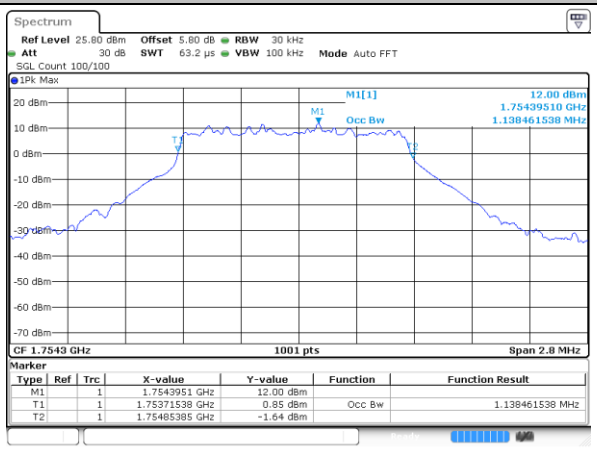
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

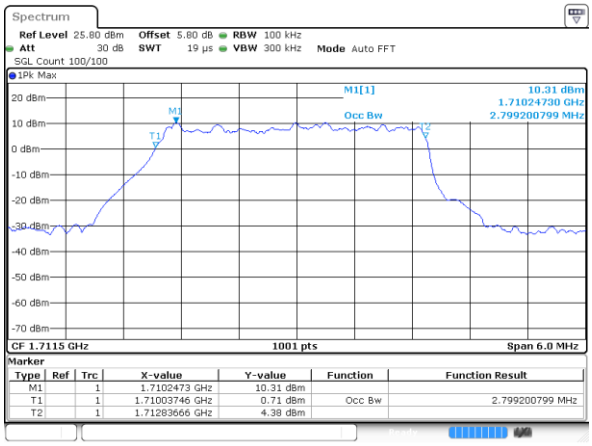


Highest Channel / 1.4MHz / 16QAM

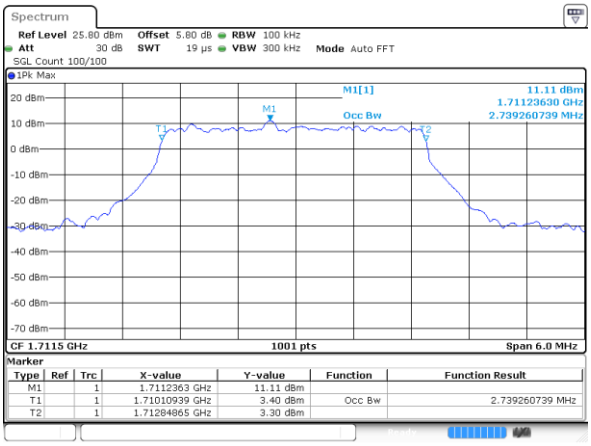


LTE Band 4

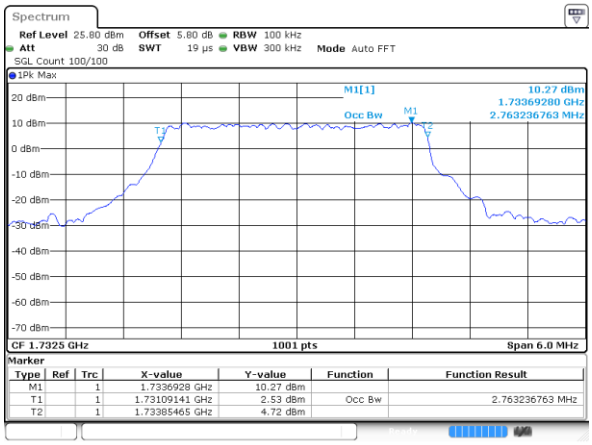
Lowest Channel / 3MHz / QPSK



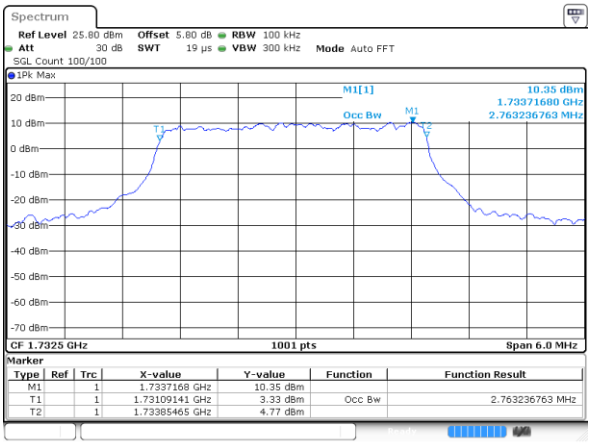
Lowest Channel / 3MHz / 16QAM



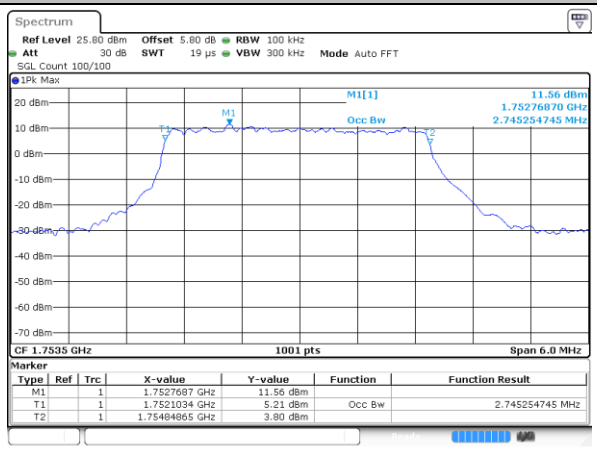
Middle Channel / 3MHz / QPSK



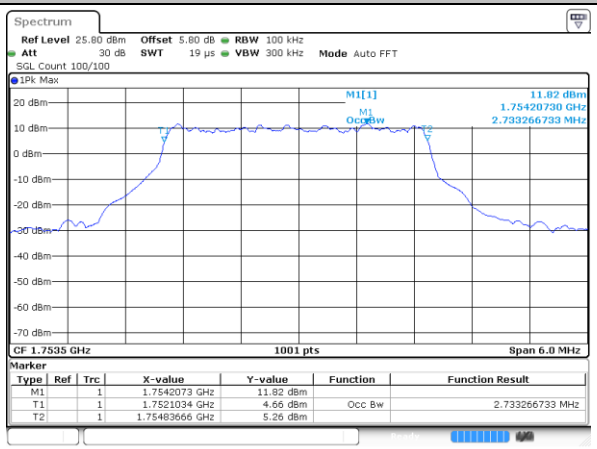
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

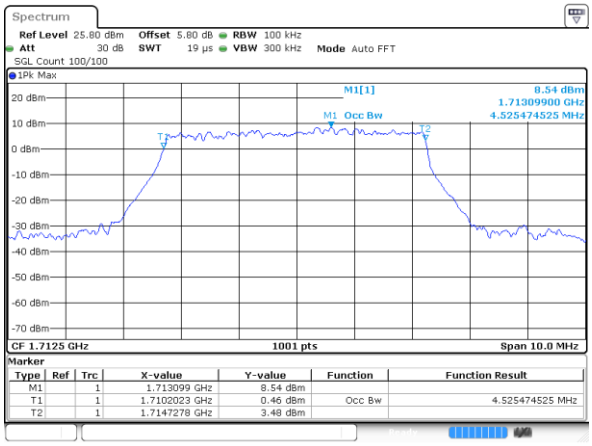


Highest Channel / 3MHz / 16QAM

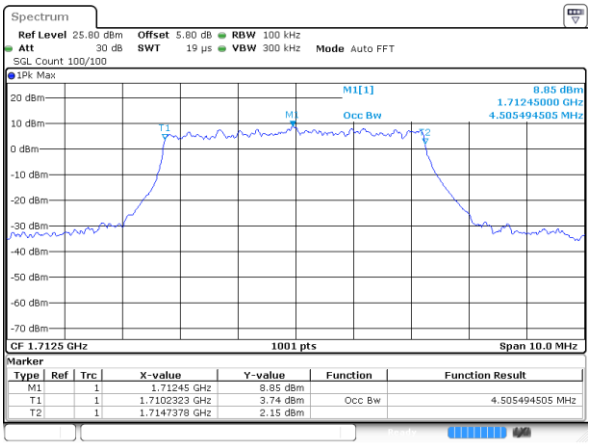


LTE Band 4

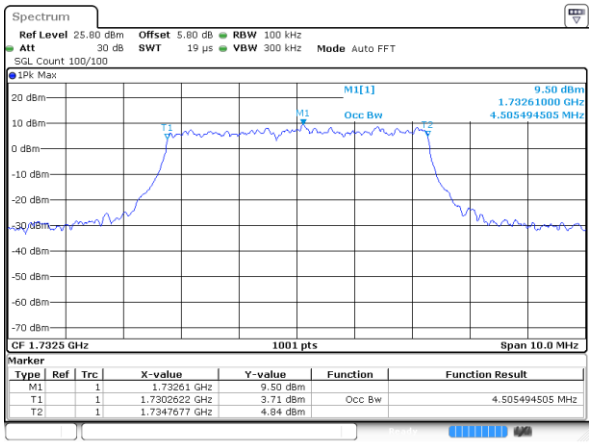
Lowest Channel / 5MHz / QPSK



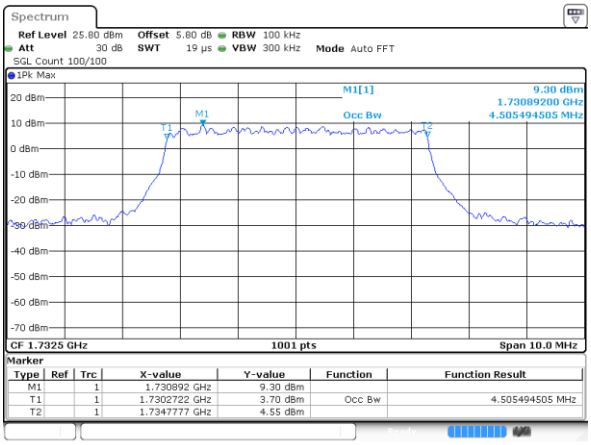
Lowest Channel / 5MHz / 16QAM



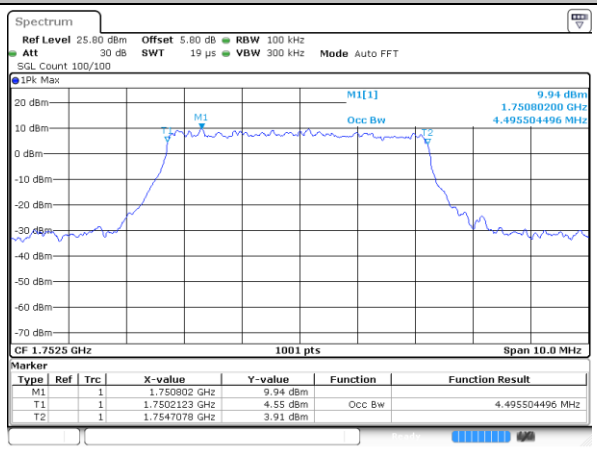
Middle Channel / 5MHz / QPSK



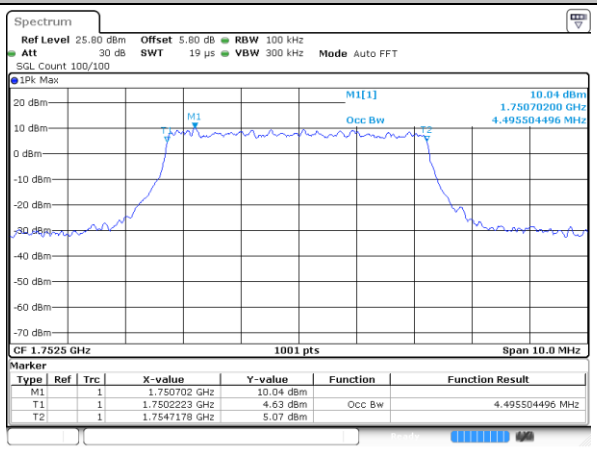
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

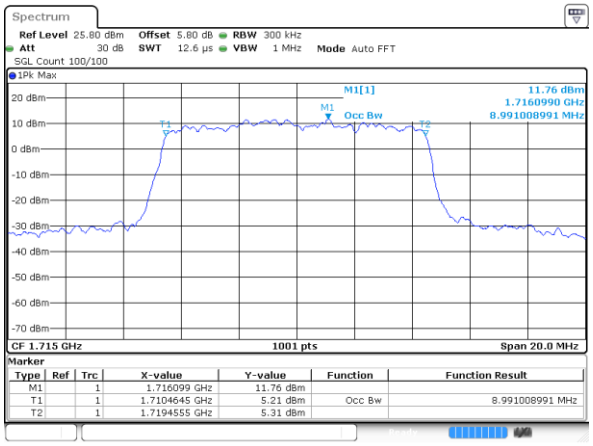


Highest Channel / 5MHz / 16QAM

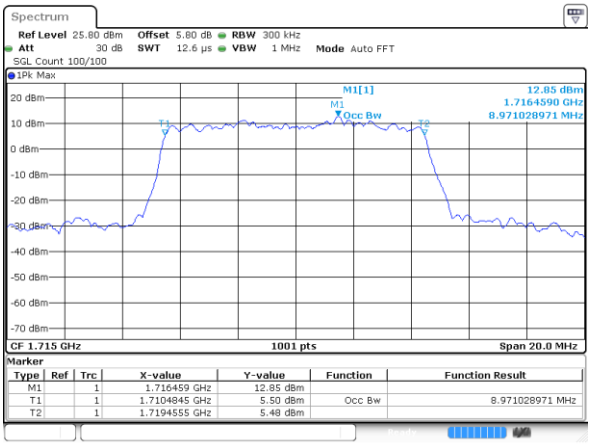


LTE Band 4

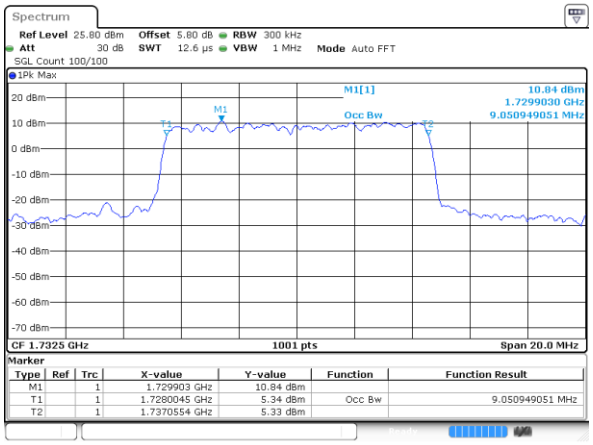
Lowest Channel / 10MHz / QPSK



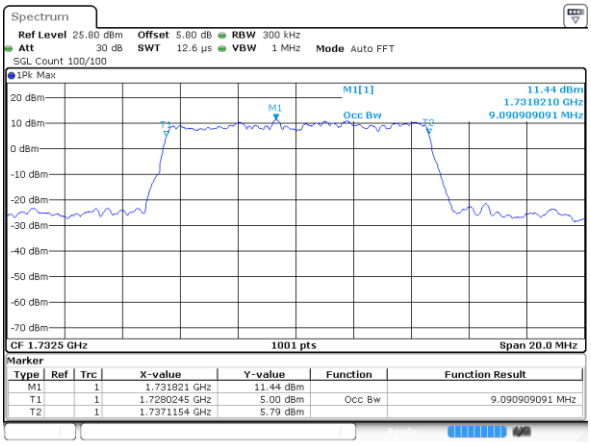
Lowest Channel / 10MHz / 16QAM



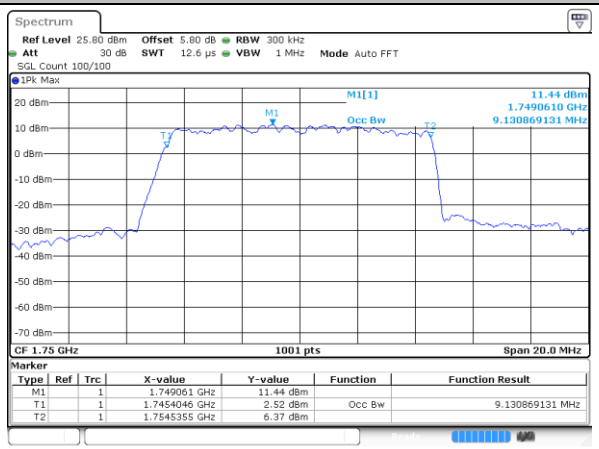
Middle Channel / 10MHz / QPSK



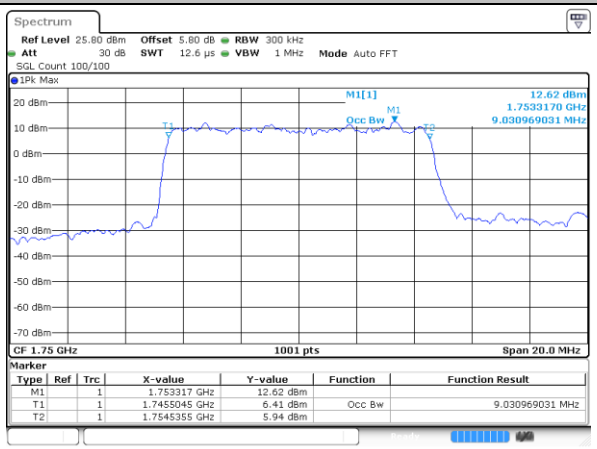
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

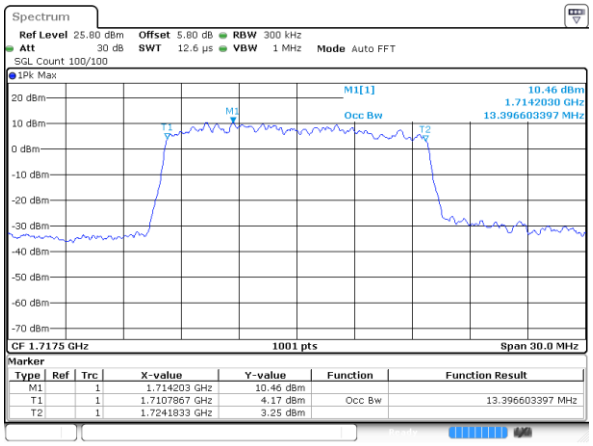


Highest Channel / 10MHz / 16QAM

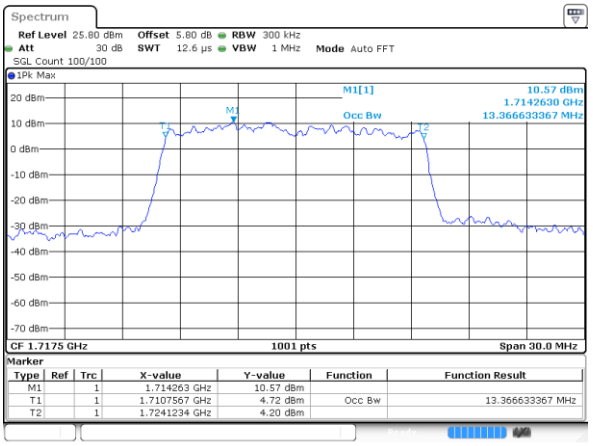


LTE Band 4

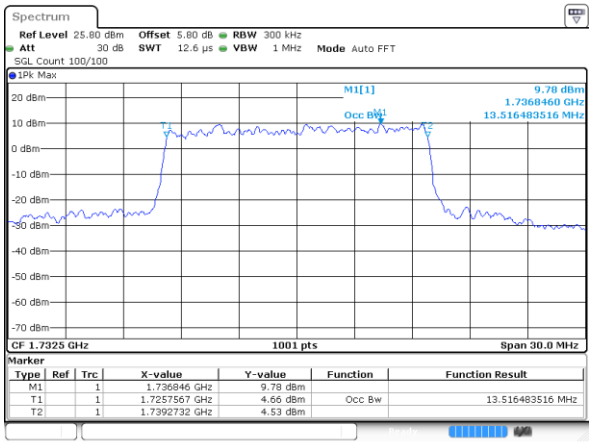
Lowest Channel / 15MHz / QPSK



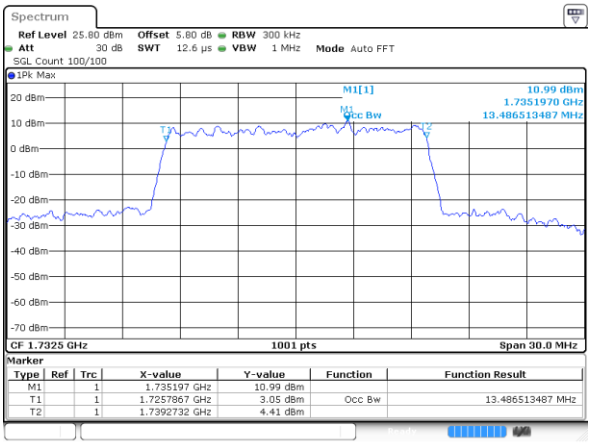
Lowest Channel / 15MHz / 16QAM



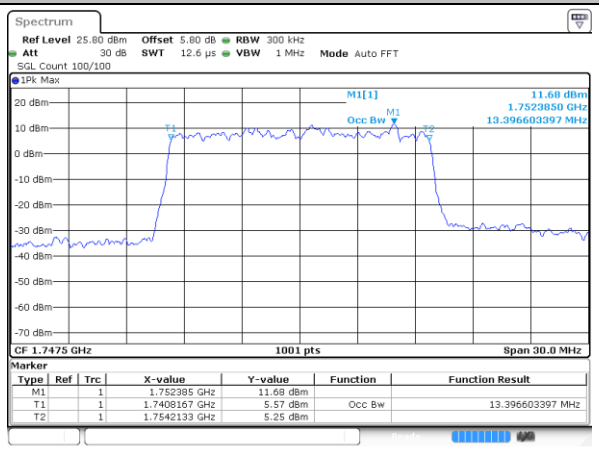
Middle Channel / 15MHz / QPSK



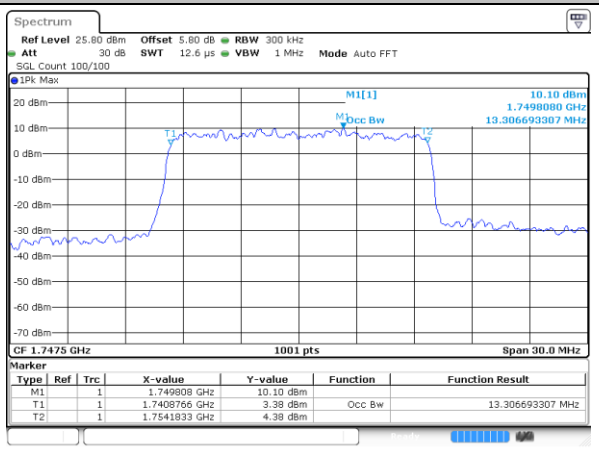
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

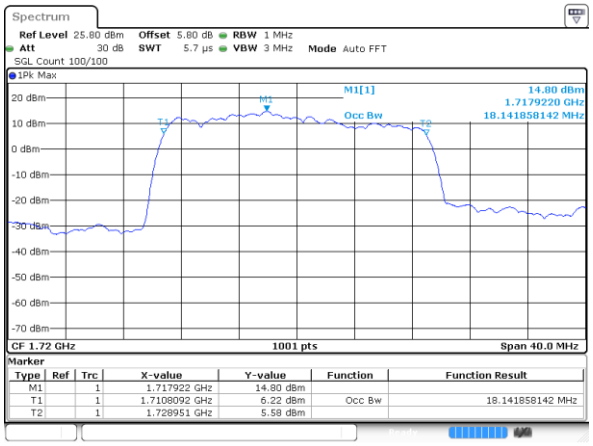


Highest Channel / 15MHz / 16QAM



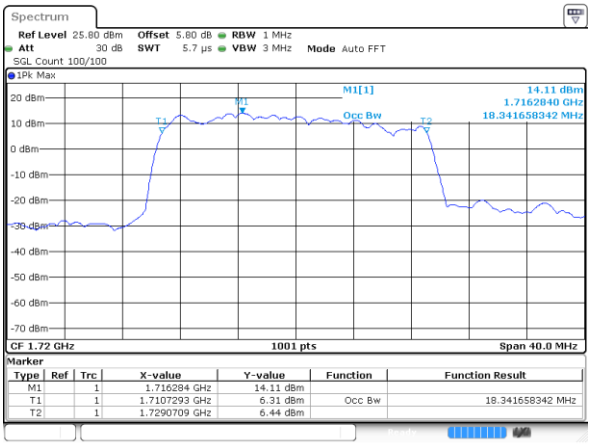
LTE Band 4

Lowest Channel / 20MHz / QPSK



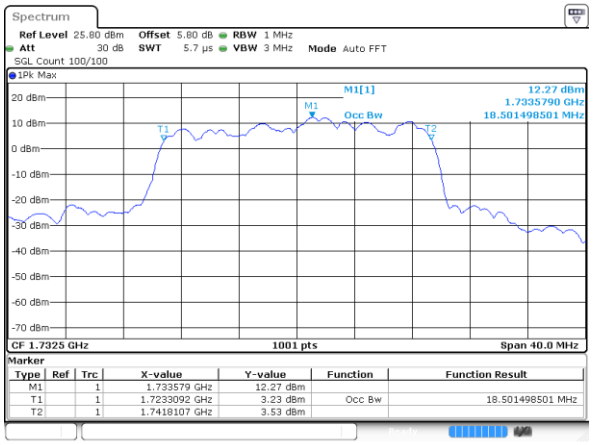
Date: 6.DEC.2019 15:26:39

Lowest Channel / 20MHz / 16QAM



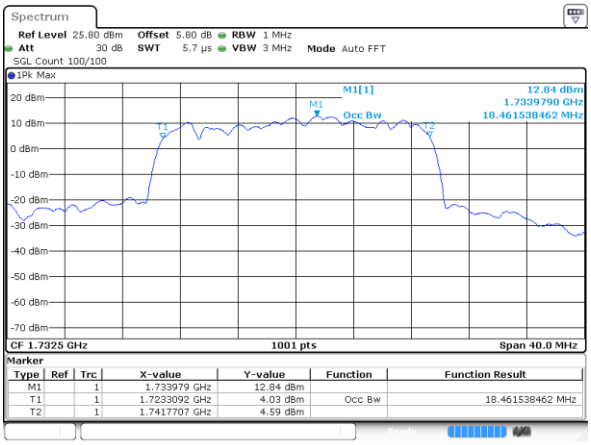
Date: 6.DEC.2019 15:27:14

Middle Channel / 20MHz / QPSK



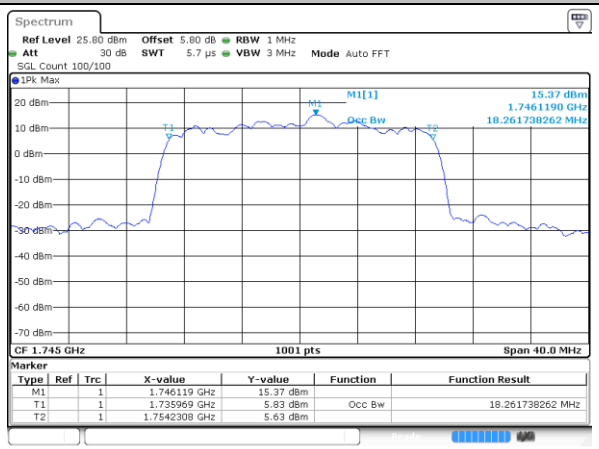
Date: 6.DEC.2019 15:32:26

Middle Channel / 20MHz / 16QAM



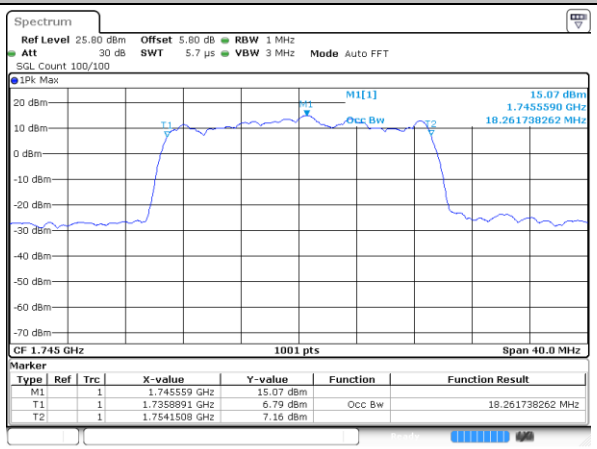
Date: 6.DEC.2019 15:33:00

Highest Channel / 20MHz / QPSK



Date: 6.DEC.2019 15:38:19

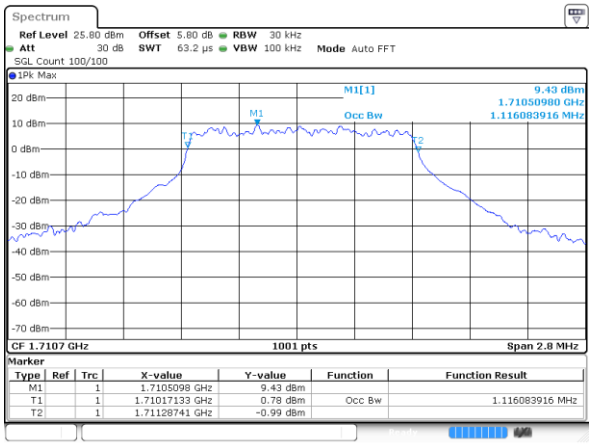
Highest Channel / 20MHz / 16QAM



Date: 6.DEC.2019 15:38:52

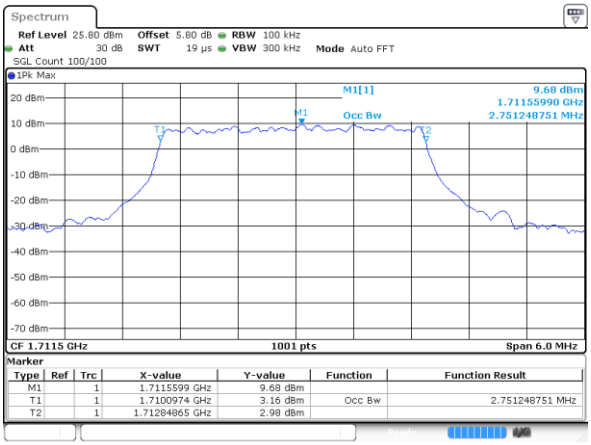
LTE Band 4

Lowest Channel / 1.4MHz / 64QAM



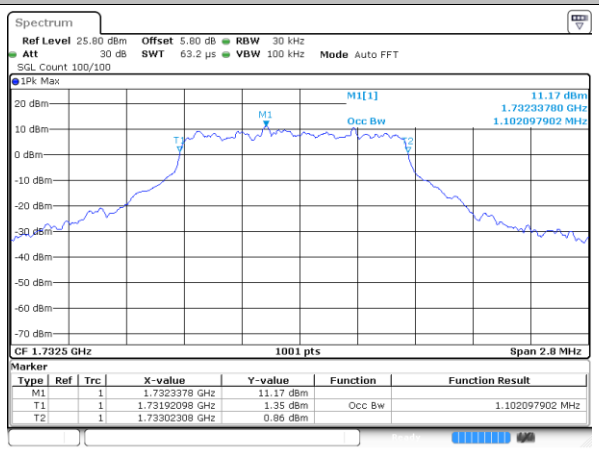
Date: 6.DEC.2019 11:11:25

Lowest Channel / 3MHz / 64QAM



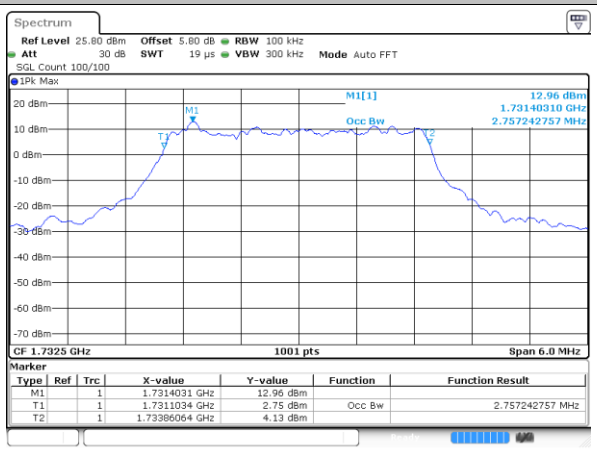
Date: 6.DEC.2019 11:41:08

Middle Channel / 1.4MHz / 64QAM



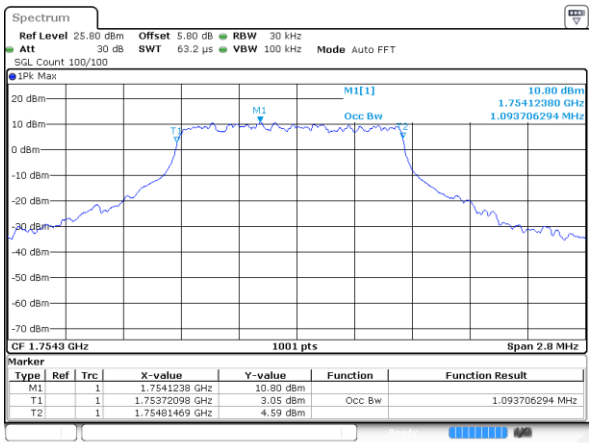
Date: 6.DEC.2019 11:15:36

Middle Channel / 3MHz / 64QAM



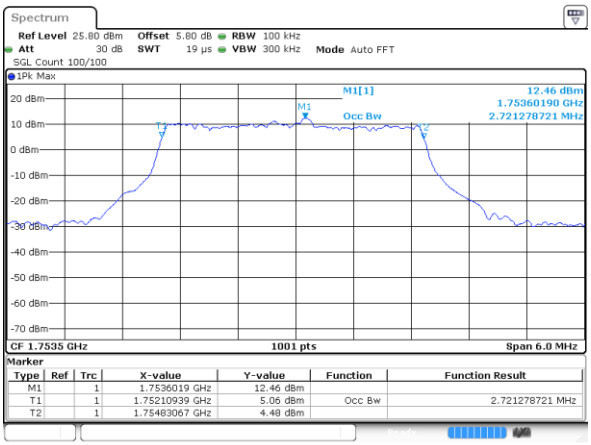
Date: 6.DEC.2019 11:47:31

Highest Channel / 1.4MHz / 64QAM



Date: 6.DEC.2019 11:34:01

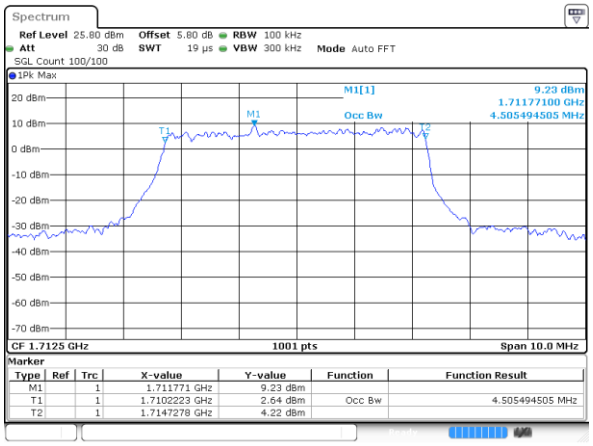
Highest Channel / 3MHz / 64QAM



Date: 6.DEC.2019 11:53:05

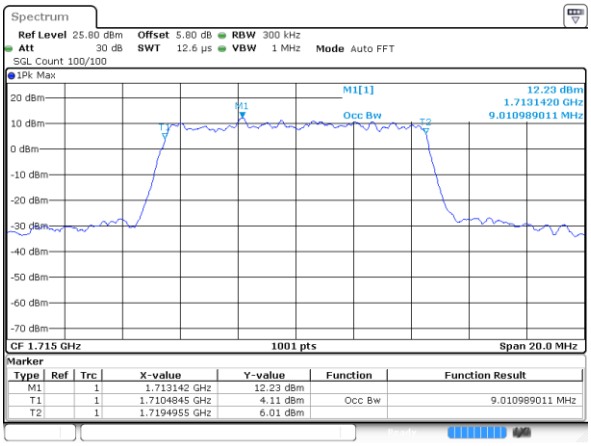
LTE Band 4

Lowest Channel / 5MHz / 64QAM



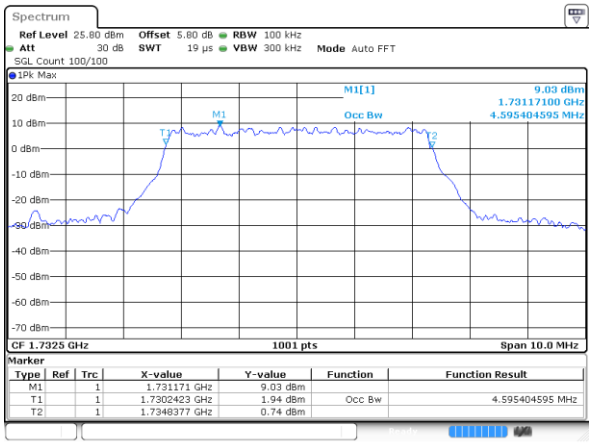
Date: 6.DEC.2019 11:57:16

Lowest Channel / 10MHz / 64QAM



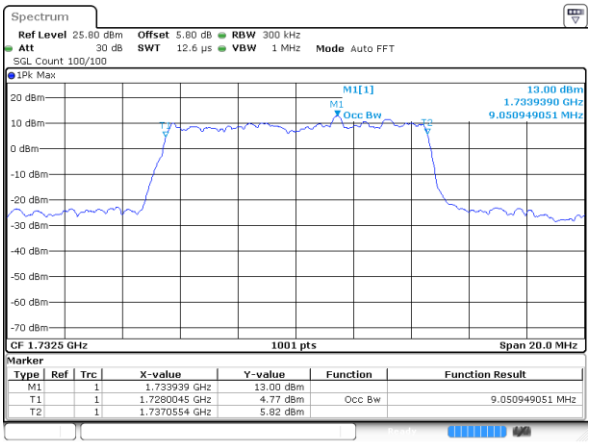
Date: 6.DEC.2019 14:43:13

Middle Channel / 5MHz / 64QAM



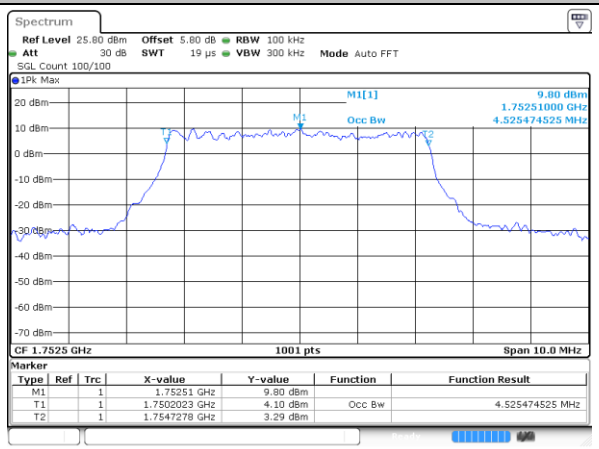
Date: 6.DEC.2019 12:01:44

Middle Channel / 10MHz / 64QAM



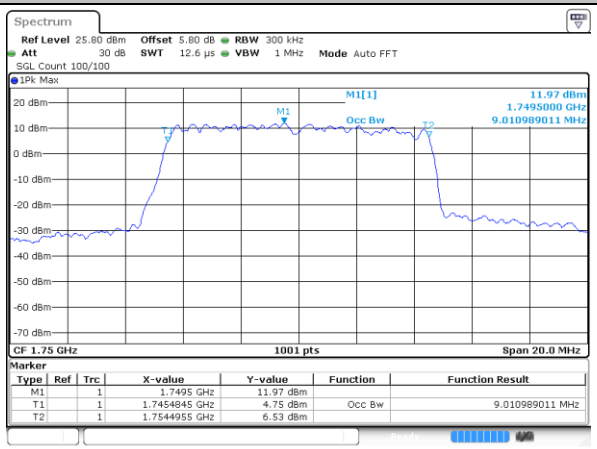
Date: 6.DEC.2019 14:59:19

Highest Channel / 5MHz / 64QAM



Date: 6.DEC.2019 12:09:20

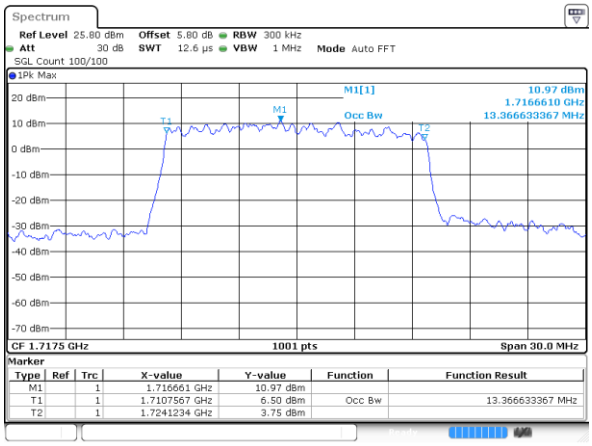
Highest Channel / 10MHz / 64QAM



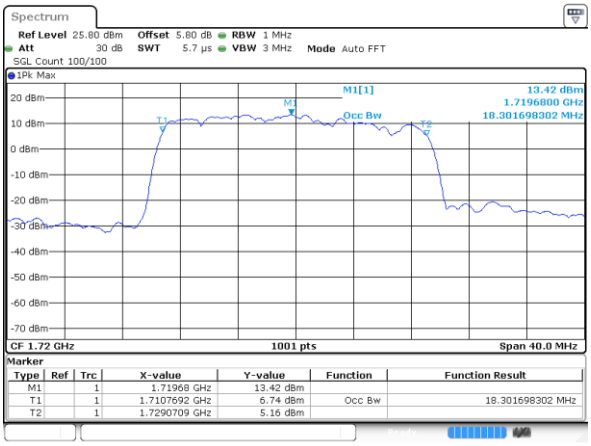
Date: 6.DEC.2019 15:08:21

LTE Band 4

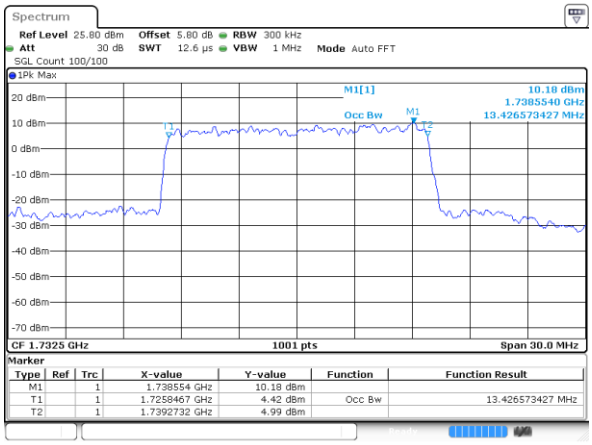
Lowest Channel / 15MHz / 64QAM



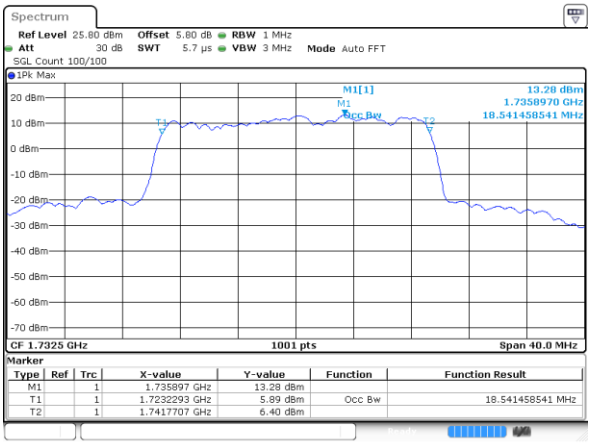
Lowest Channel / 20MHz / 64QAM



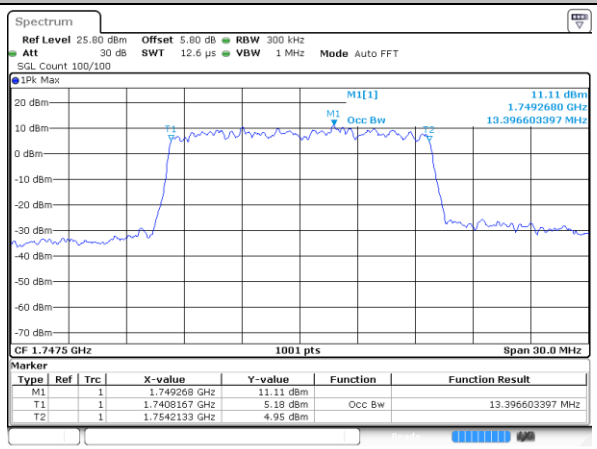
Middle Channel / 15MHz / 64QAM



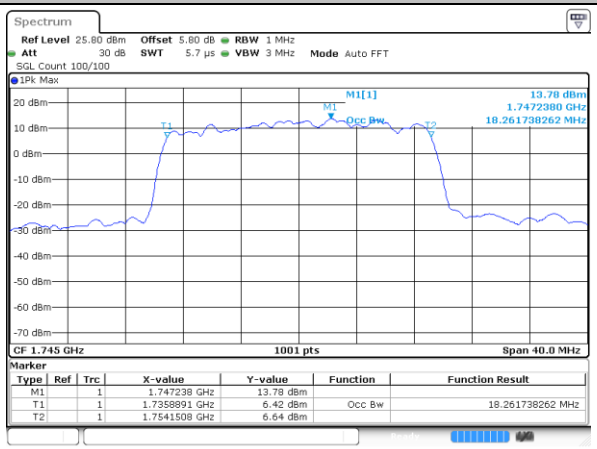
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM

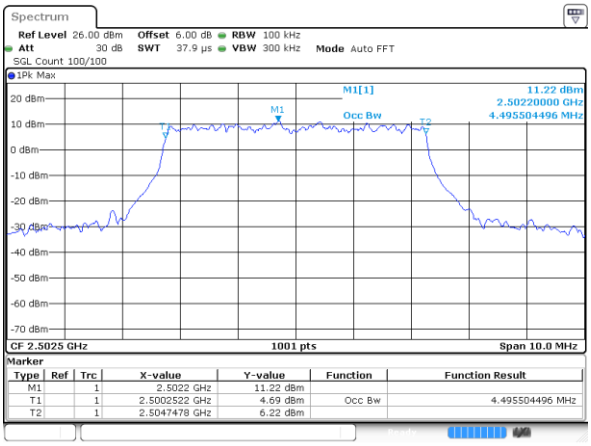


Highest Channel / 20MHz / 64QAM



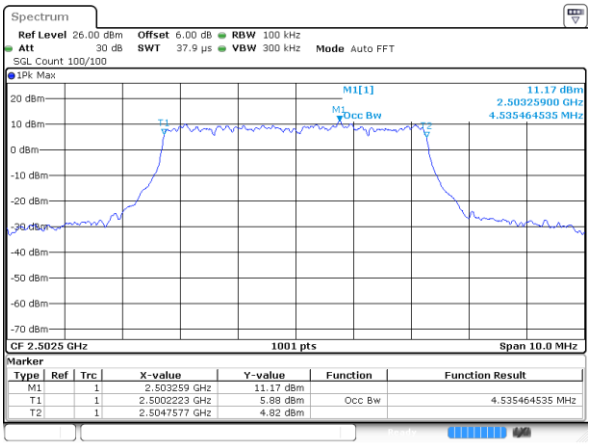
LTE Band 7

Lowest Channel / 5MHz / QPSK



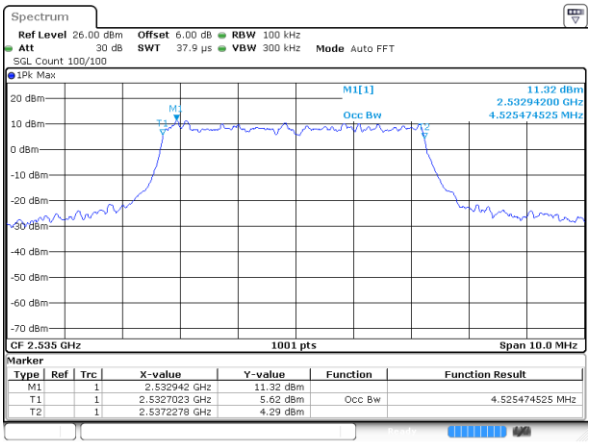
Date: 17.DEC.2019 17:04:18

Lowest Channel / 5MHz / 16QAM



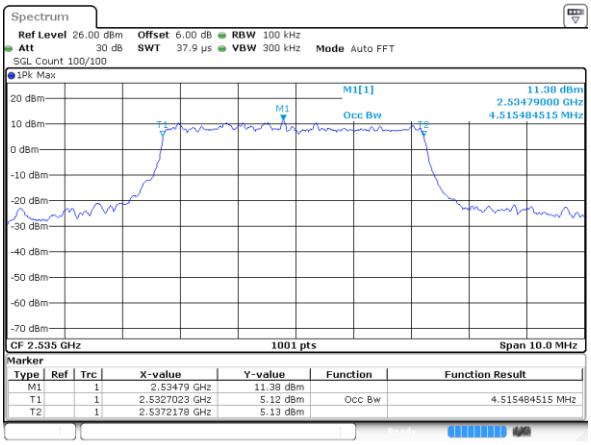
Date: 17.DEC.2019 17:05:08

Middle Channel / 5MHz / QPSK



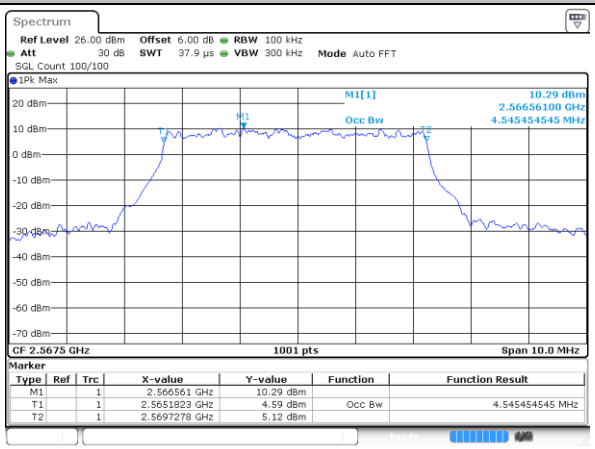
Date: 17.DEC.2019 17:11:18

Middle Channel / 5MHz / 16QAM



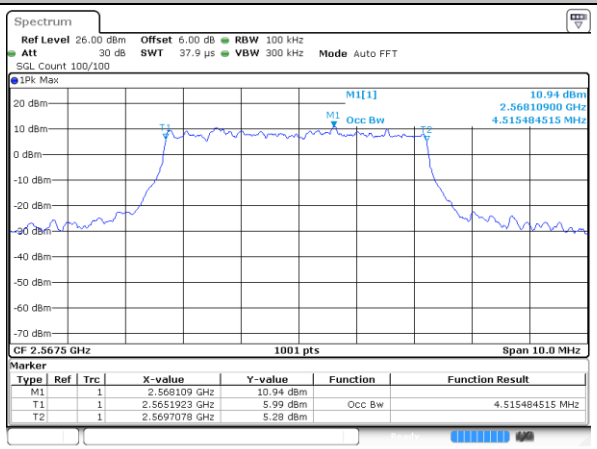
Date: 17.DEC.2019 17:11:40

Highest Channel / 5MHz / QPSK



Date: 17.DEC.2019 17:15:43

Highest Channel / 5MHz / 16QAM



Date: 17.DEC.2019 17:16:29