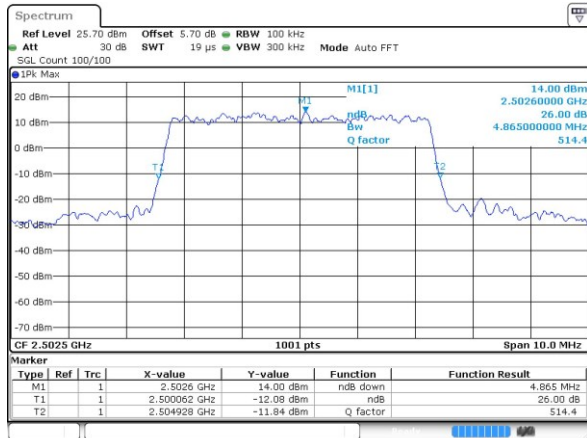




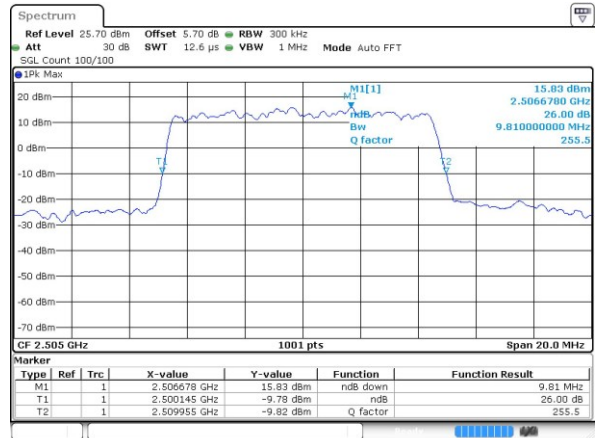
LTE Band 7

Lowest Channel / 5MHz / 64QAM



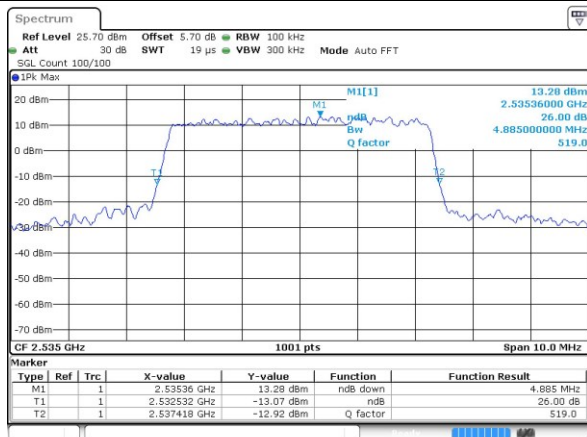
Date: 31 MAR 2019 00:27:24

Lowest Channel / 10MHz / 64QAM



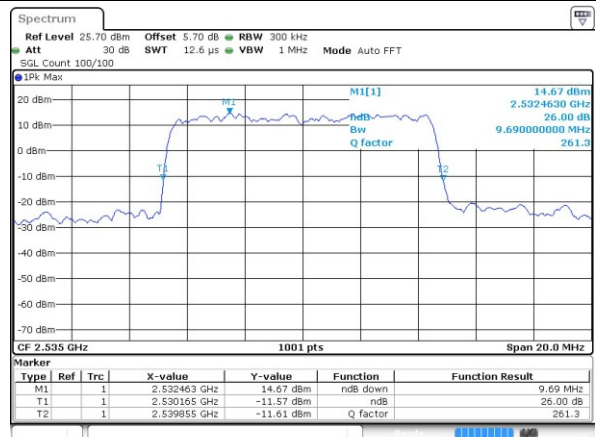
Date: 31 MAR 2019 00:52:20

Middle Channel / 5MHz / 64QAM



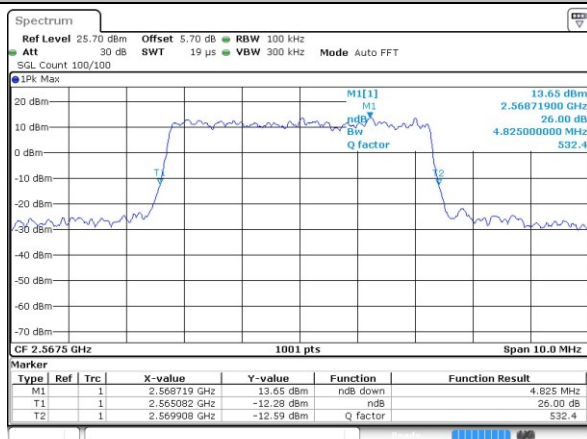
Date: 31 MAR 2019 00:28:49

Middle Channel / 10MHz / 64QAM



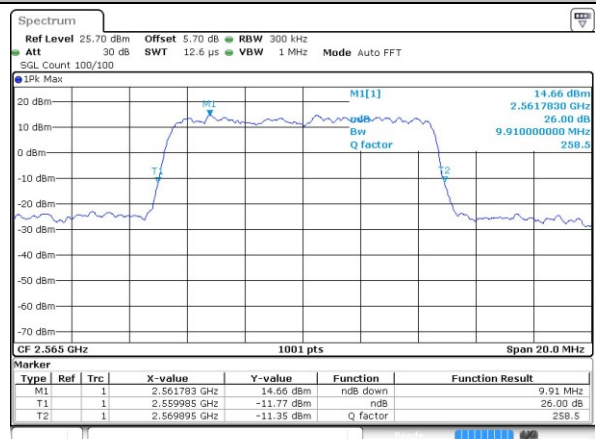
Date: 31 MAR 2019 00:53:47

Highest Channel / 5MHz / 64QAM



Date: 31 MAR 2019 00:30:15

Highest Channel / 10MHz / 64QAM

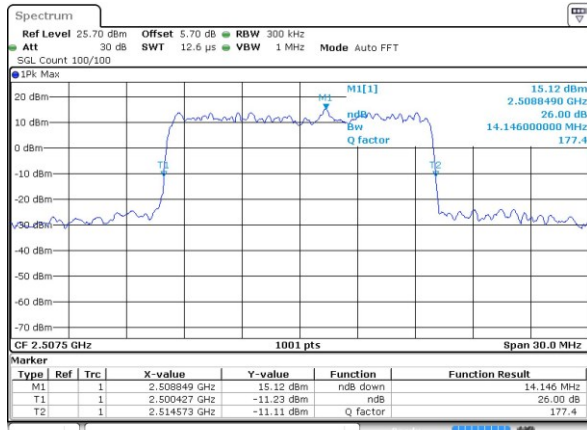


Date: 31 MAR 2019 00:55:21



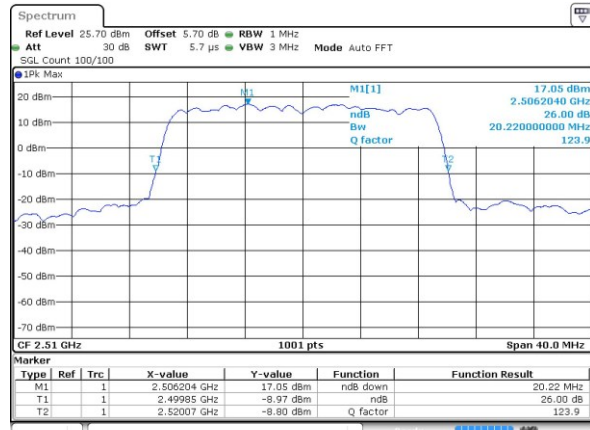
LTE Band 7

Lowest Channel / 15MHz / 64QAM



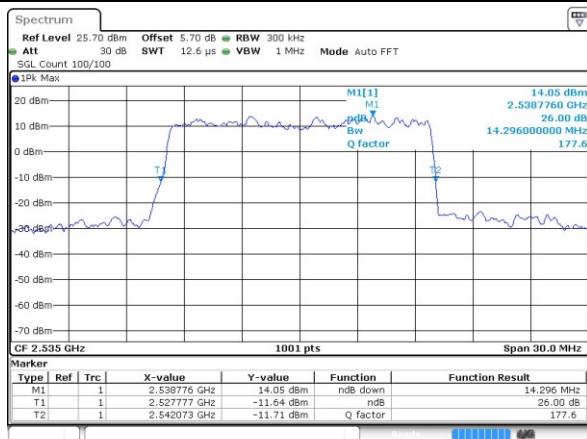
Date: 31 MAR 2019 01:12:48

Lowest Channel / 20MHz / 64QAM



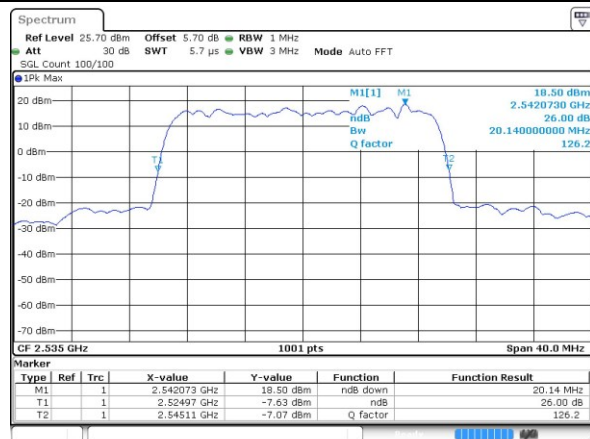
Date: 31 MAR 2019 02:16:44

Middle Channel / 15MHz / 64QAM



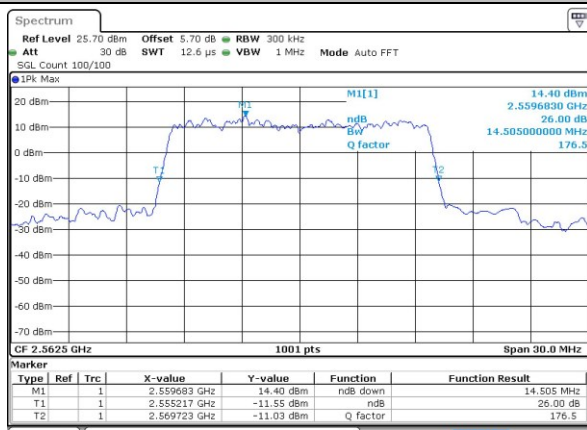
Date: 31 MAR 2019 01:14:49

Middle Channel / 20MHz / 64QAM



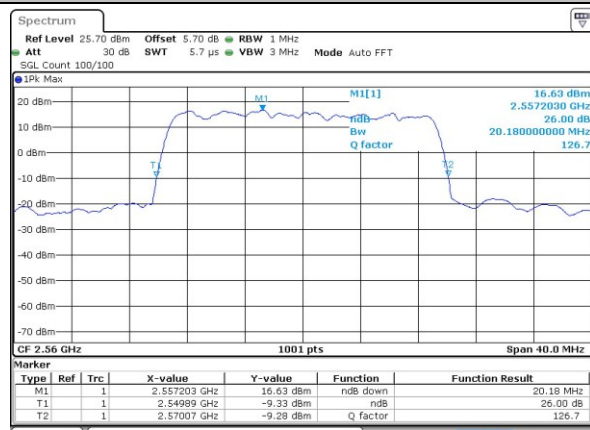
Date: 31 MAR 2019 02:16:43

Highest Channel / 15MHz / 64QAM



Date: 31 MAR 2019 01:16:37

Highest Channel / 20MHz / 64QAM

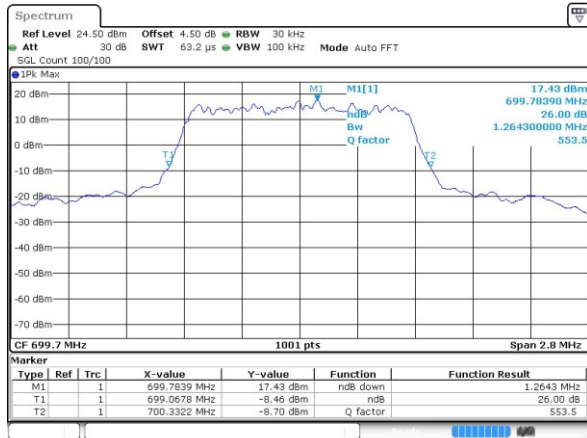


Date: 31 MAR 2019 02:20:13



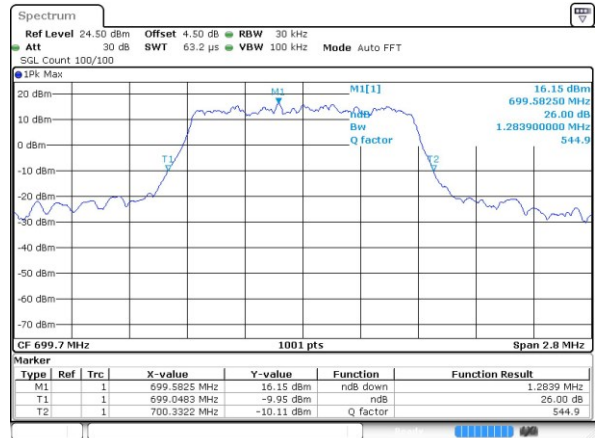
LTE Band 12

Lowest Channel / 1.4MHz / QPSK



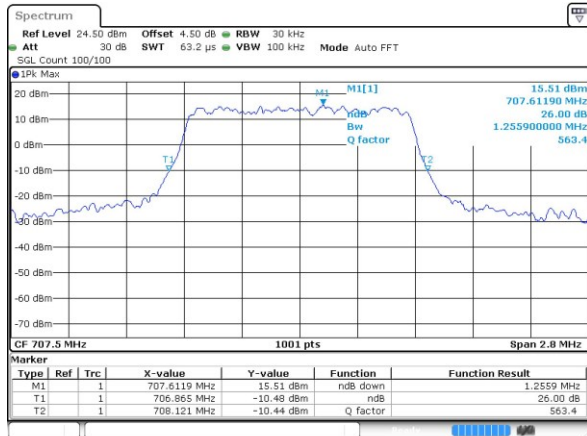
Date: 30 MAR 2019 22:27:51

Lowest Channel / 1.4MHz / 16QAM



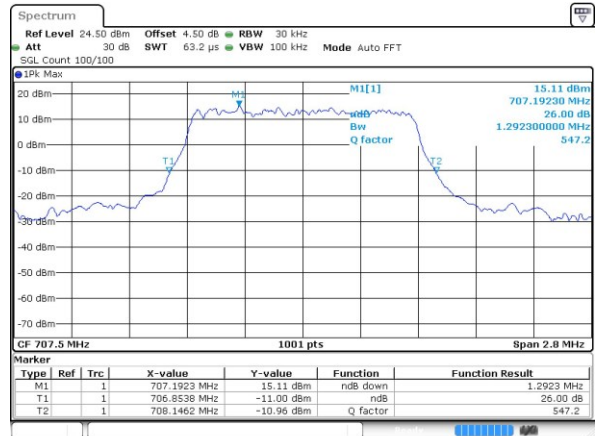
Date: 30 MAR 2019 22:27:39

Middle Channel / 1.4MHz / QPSK



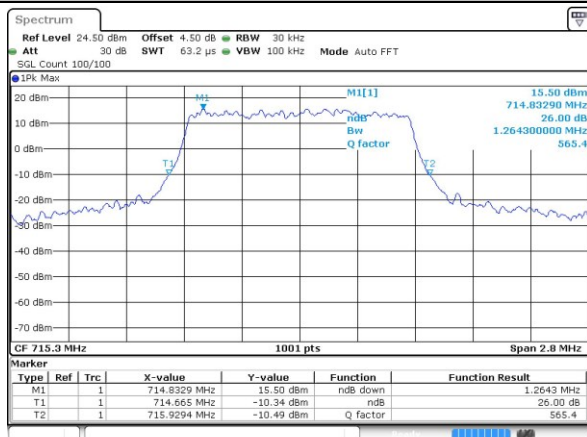
Date: 30 MAR 2019 22:27:15

Middle Channel / 1.4MHz / 16QAM



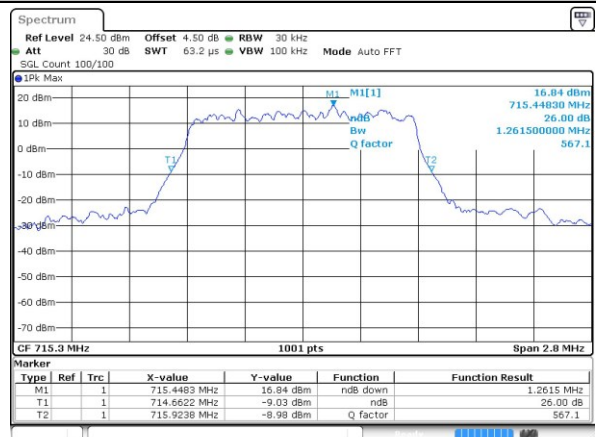
Date: 30 MAR 2019 22:27:27

Highest Channel / 1.4MHz / QPSK



Date: 30 MAR 2019 22:27:03

Highest Channel / 1.4MHz / 16QAM

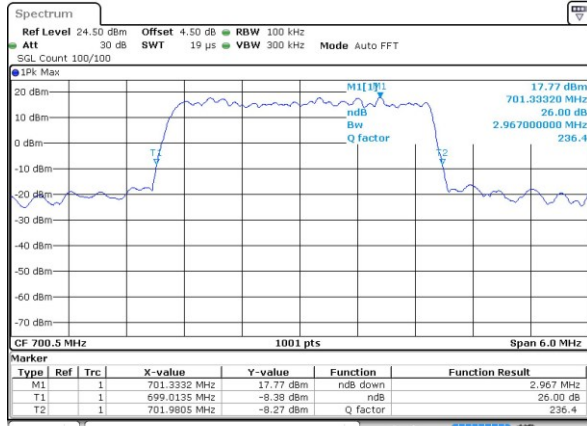


Date: 30 MAR 2019 22:26:51

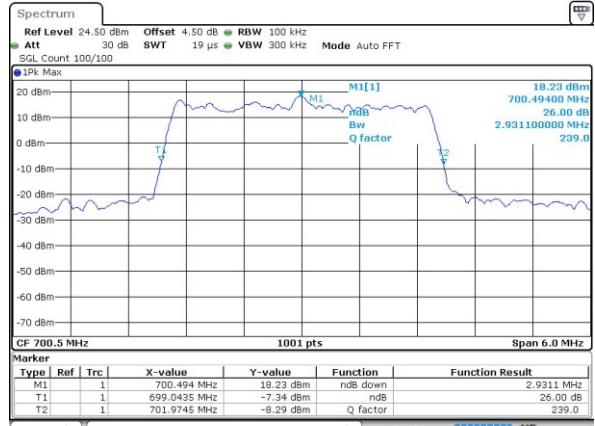


LTE Band 12

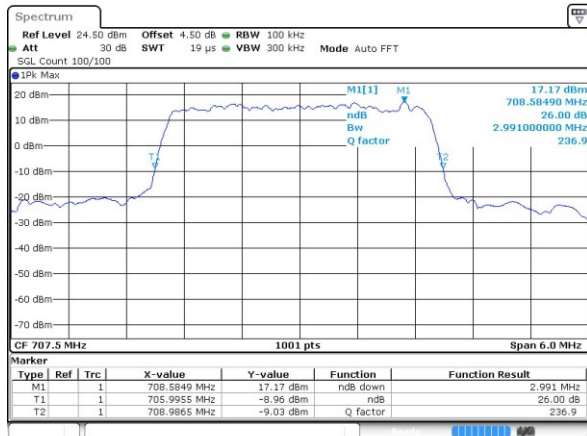
Lowest Channel / 3MHz / QPSK



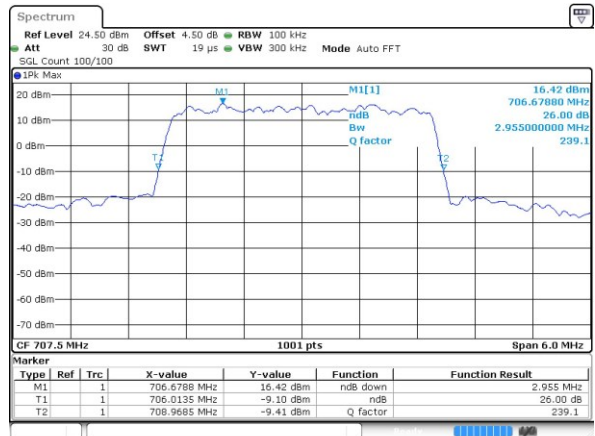
Lowest Channel / 3MHz / 16QAM



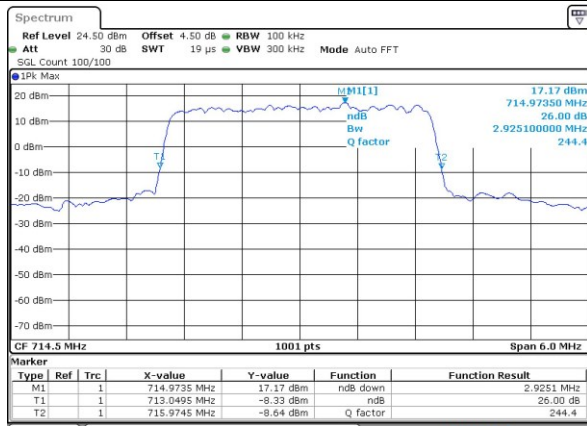
Middle Channel / 3MHz / QPSK



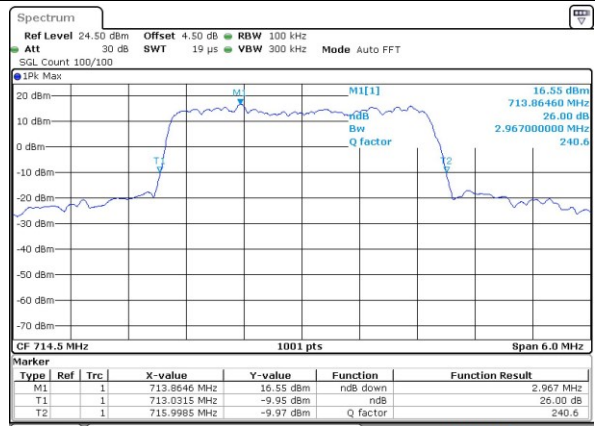
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



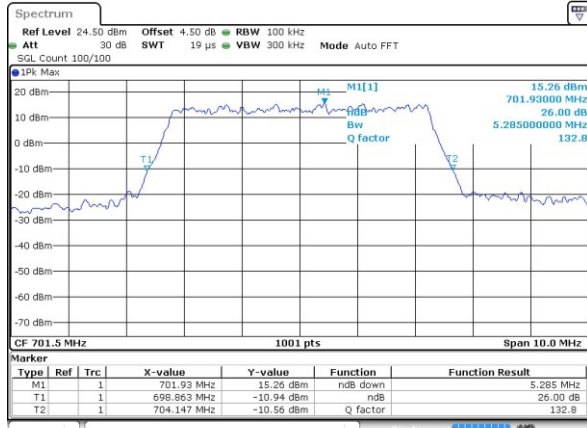
Highest Channel / 3MHz / 16QAM





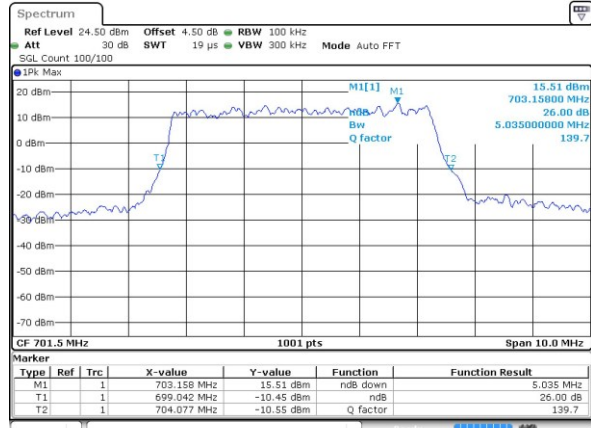
LTE Band 12

Lowest Channel / 5MHz / QPSK



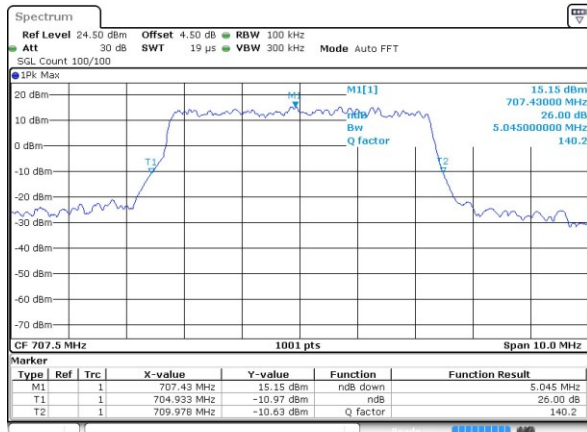
Date: 30 MAR 2019 22:48:42

Lowest Channel / 5MHz / 16QAM



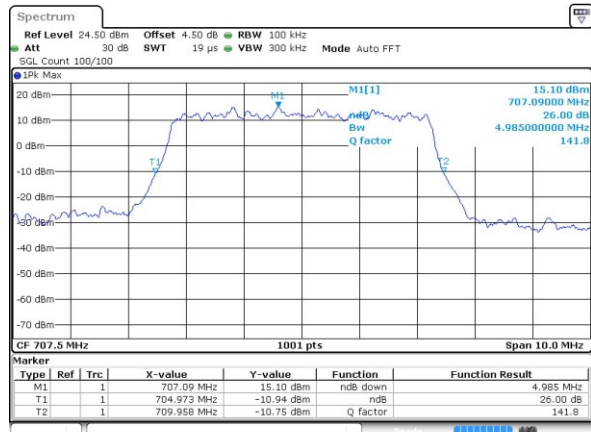
Date: 30 MAR 2019 22:48:30

Middle Channel / 5MHz / QPSK



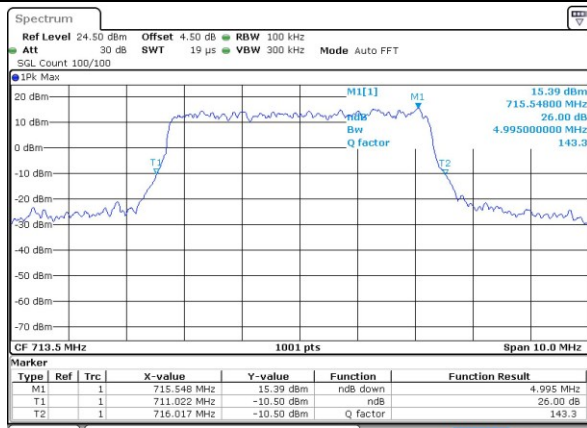
Date: 30 MAR 2019 22:48:06

Middle Channel / 5MHz / 16QAM



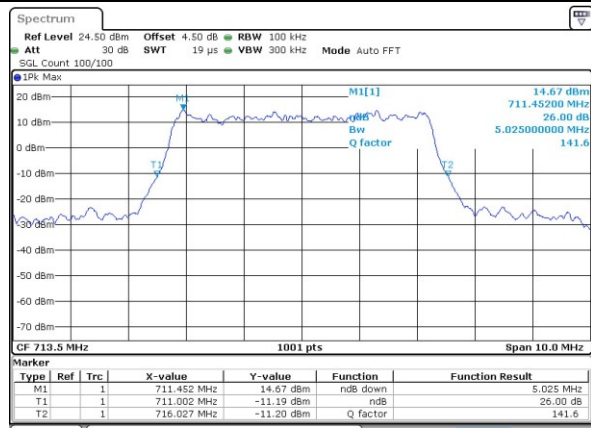
Date: 30 MAR 2019 22:48:18

Highest Channel / 5MHz / QPSK



Date: 30 MAR 2019 22:47:53

Highest Channel / 5MHz / 16QAM

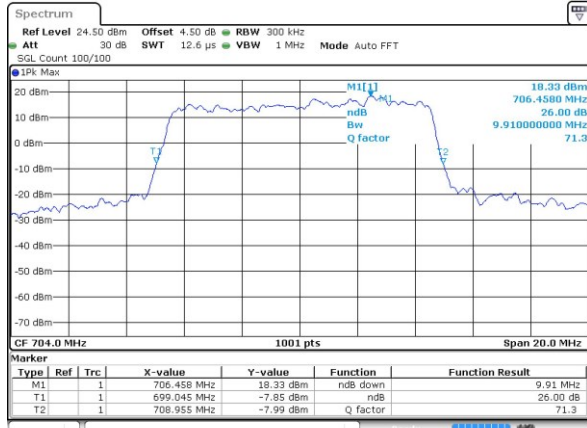


Date: 30 MAR 2019 22:47:41

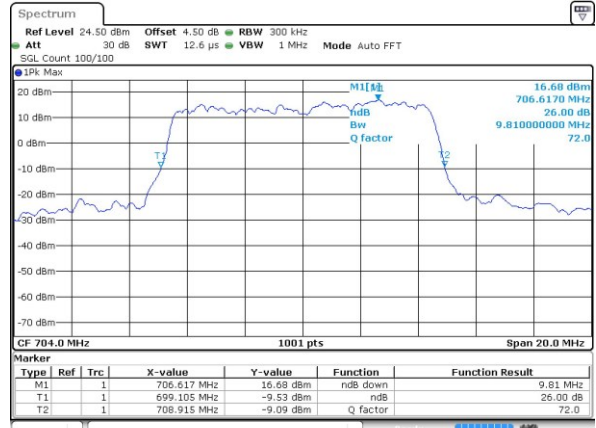


LTE Band 12

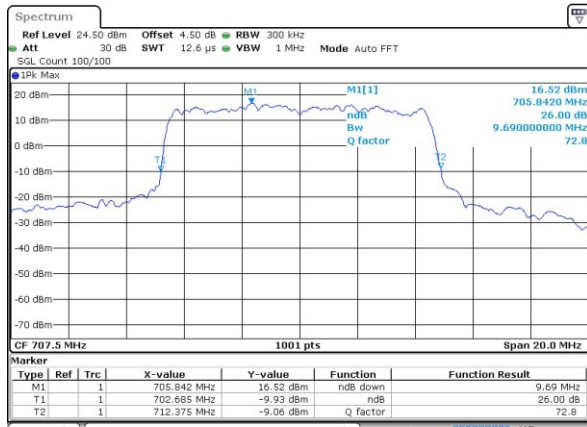
Lowest Channel / 10MHz / QPSK



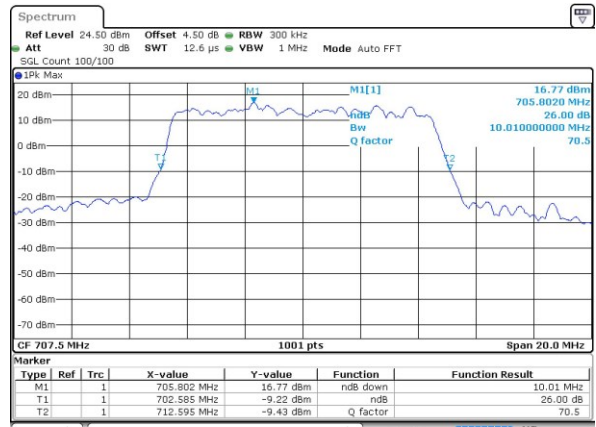
Lowest Channel / 10MHz / 16QAM



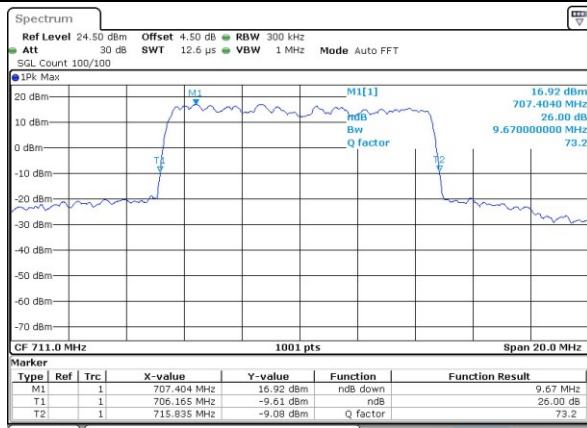
Middle Channel / 10MHz / QPSK



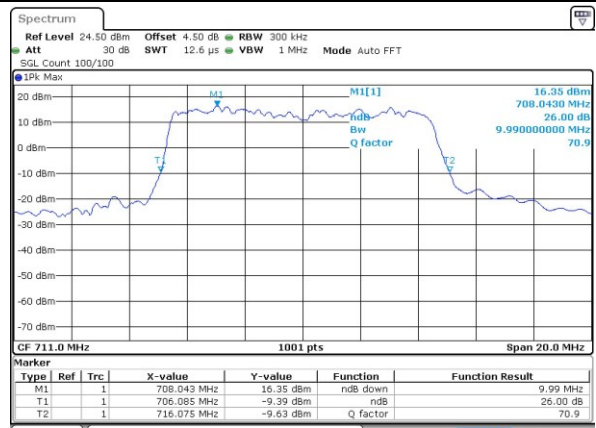
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



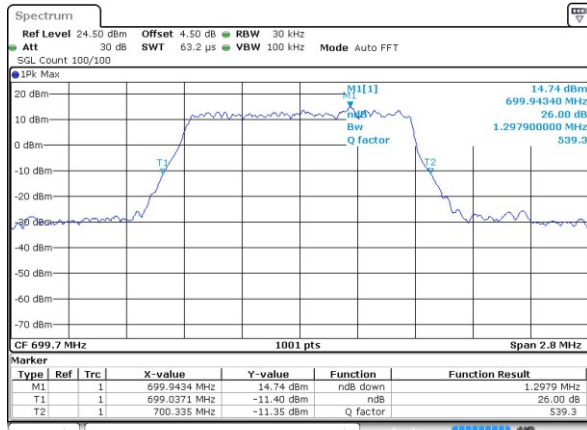
Highest Channel / 10MHz / 16QAM





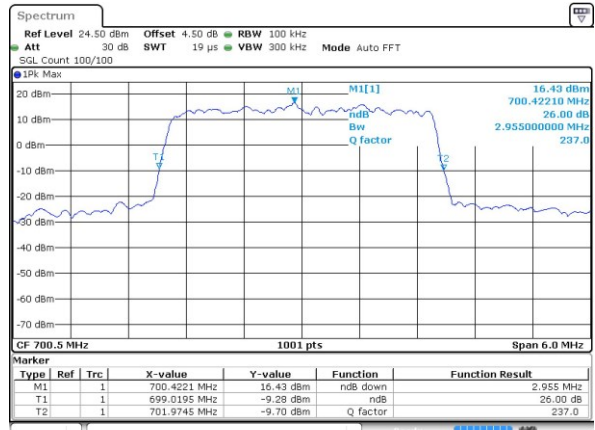
LTE Band 12

Lowest Channel / 1.4MHz / 64QAM



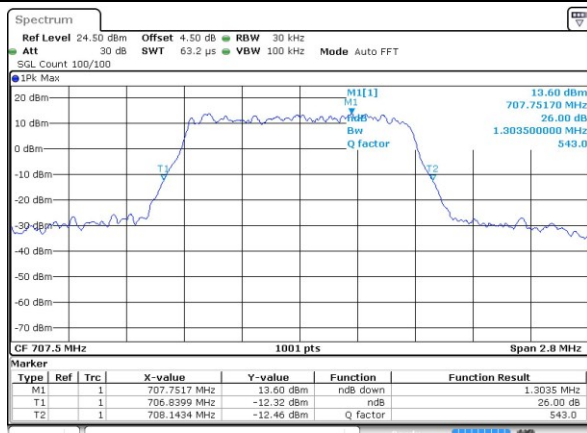
Date: 30 MAR 2019 23:07:46

Lowest Channel / 3MHz / 64QAM



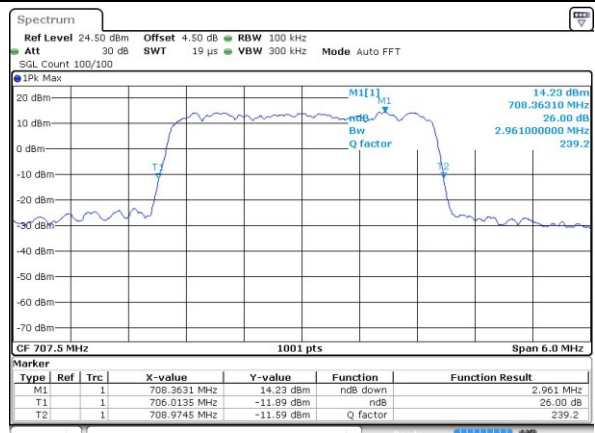
Date: 30 MAR 2019 23:12:56

Middle Channel / 1.4MHz / 64QAM



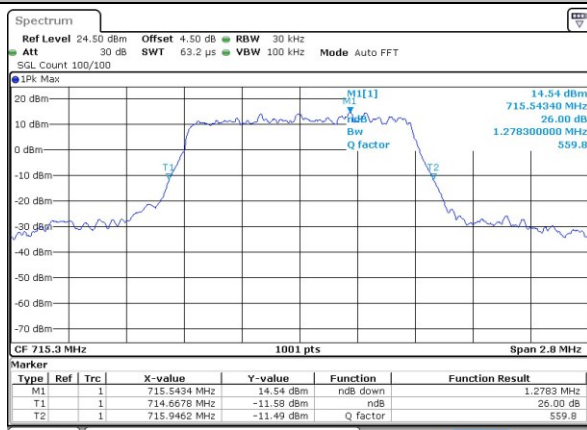
Date: 30 MAR 2019 23:08:10

Middle Channel / 3MHz / 64QAM



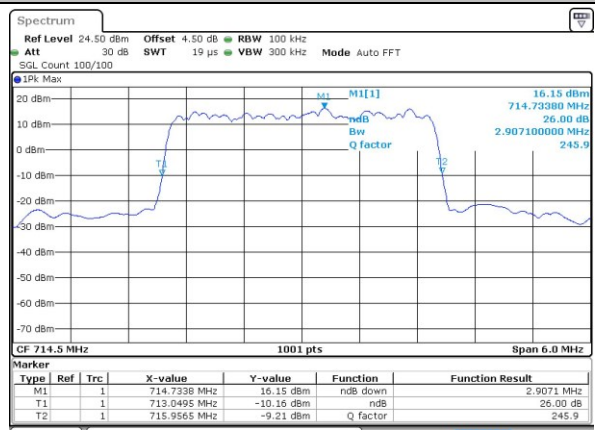
Date: 30 MAR 2019 23:13:19

Highest Channel / 1.4MHz / 64QAM



Date: 30 MAR 2019 23:08:33

Highest Channel / 3MHz / 64QAM

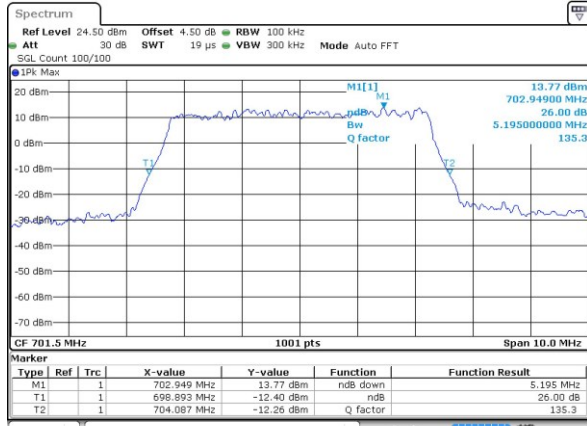


Date: 30 MAR 2019 23:13:43

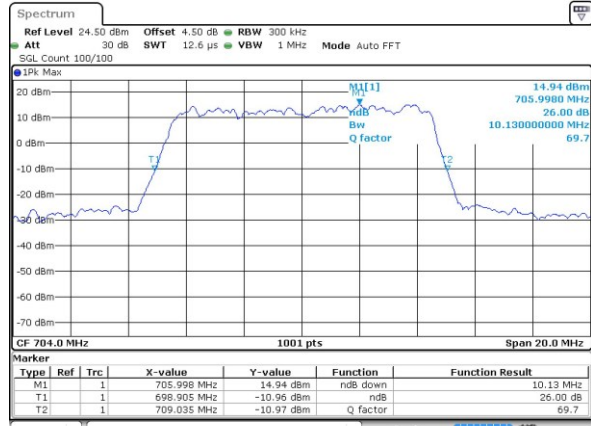


LTE Band 12

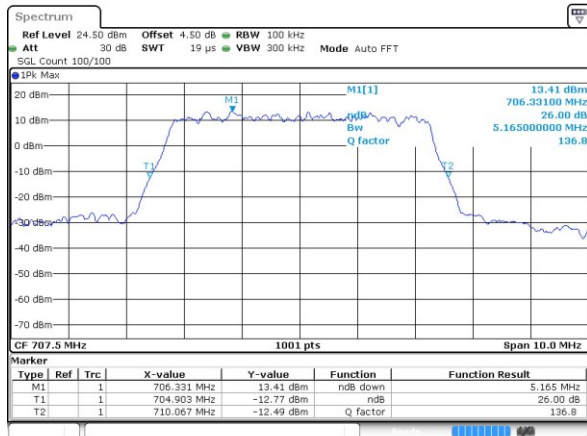
Lowest Channel / 5MHz / 64QAM



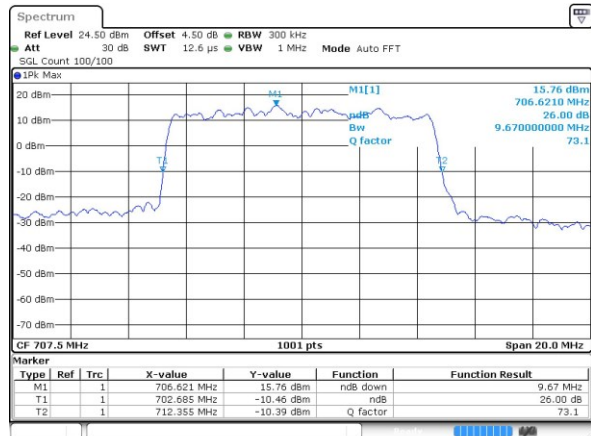
Lowest Channel / 10MHz / 64QAM



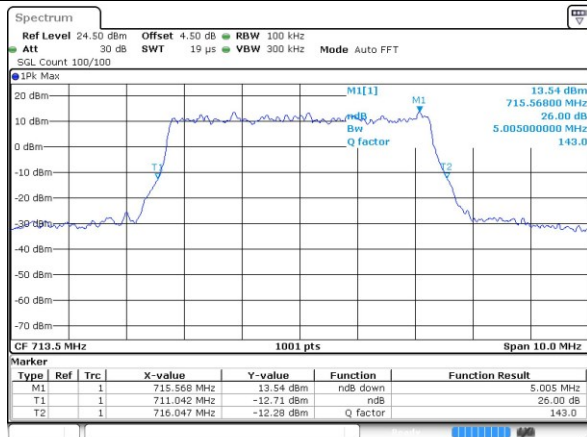
Middle Channel / 5MHz / 64QAM



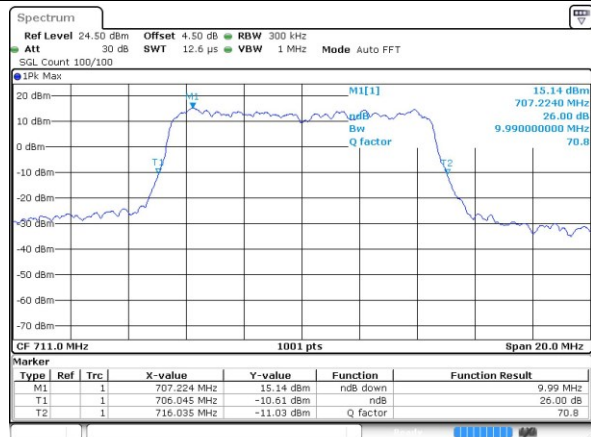
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



Highest Channel / 10MHz / 64QAM



**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	1.08	2.70	2.72	4.51	4.50	9.03	9.05	13.40	13.43	18.38	18.38
Middle CH	1.09	1.09	2.70	2.71	4.50	4.50	9.03	8.99	13.46	13.46	18.38	18.54
Highest CH	1.09	1.09	2.70	2.72	4.49	4.49	9.07	9.03	13.55	13.43	18.42	18.50
Mode	LTE Band 2 : 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		18.54	
Middle CH	1.09		2.72		4.50		9.03		13.46		18.46	
Highest CH	1.09		2.71		4.50		9.05		13.49		18.38	

Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.72	2.72	4.78	4.49	9.01	9.05	13.40	13.49	18.30	18.54
Middle CH	1.10	1.09	2.71	2.72	4.78	4.48	9.11	9.03	13.46	13.43	18.38	18.34
Highest CH	1.09	1.09	2.72	2.70	4.49	4.47	9.03	9.05	13.46	13.49	18.42	18.34
Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.10		2.72		4.50		9.03		13.52		18.34	
Middle CH	1.09		2.70		4.49		8.97		13.46		18.42	
Highest CH	1.09		2.72		4.50		8.99		13.46		18.46	



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	1.09	1.10	2.70	2.72	4.49	4.48	9.03	8.93	-	-	-	-
Middle CH	1.09	1.08	2.71	2.71	4.50	4.49	9.01	9.09	-	-	-	-
Highest CH	1.09	1.09	2.70	2.71	4.48	4.48	9.03	9.03	-	-	-	-
Mode	LTE Band 5 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.10		2.72		4.49		9.01		-	-	-	-
Middle CH	1.09		2.70		4.50		9.05		-	-	-	-
Highest CH	1.09		2.71		4.49		9.01		-	-	-	-

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	-	-	-	-	4.49	4.49	9.01	9.07	13.49	13.46	18.30	18.38
Middle CH	-	-	-	-	4.47	4.49	9.07	8.99	13.40	13.40	18.30	18.30
Highest CH	-	-	-	-	4.49	4.49	9.07	9.03	13.43	13.46	18.46	18.34
Mode	LTE Band 7 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.50		9.05		13.43		18.42	
Middle CH	-	-	-	-	4.49		9.05		13.46		18.30	
Highest CH	-	-	-	-	4.50		8.99		13.43		18.42	

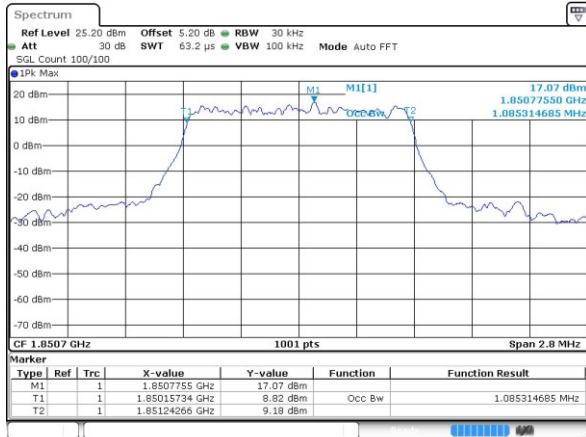


Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.08	1.09	2.71	2.70	4.50	4.50	9.07	9.01	-	-	-	-
Middle CH	1.09	1.09	2.69	2.68	4.49	4.78	8.97	9.05	-	-	-	-
Highest CH	1.09	1.10	2.70	2.70	4.50	4.49	9.03	9.09	-	-	-	-
Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.09		2.72		4.50		9.05		-		-	
Middle CH	1.09		2.70		4.50		9.01		-		-	
Highest CH	1.10		2.70		4.51		9.01		-		-	

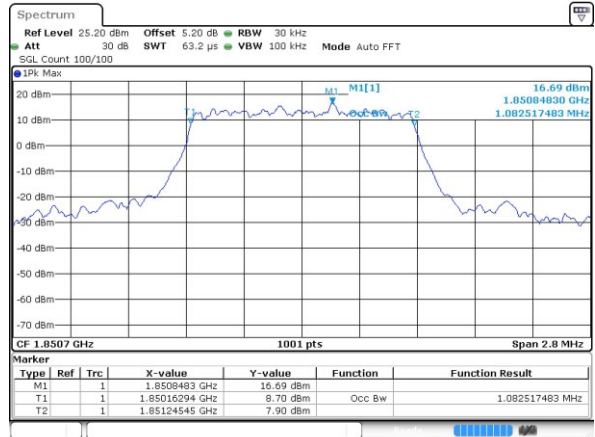


LTE Band 2

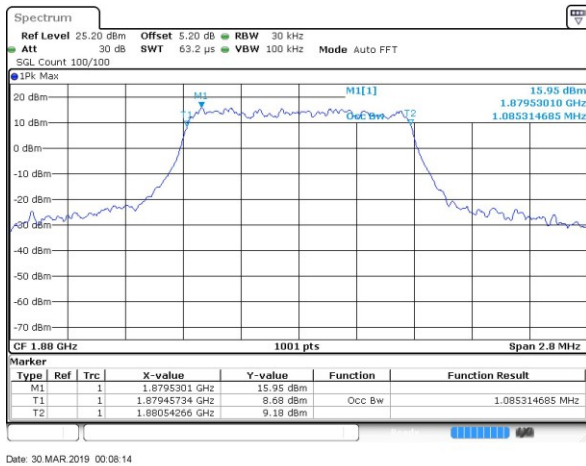
Lowest Channel / 1.4MHz / QPSK



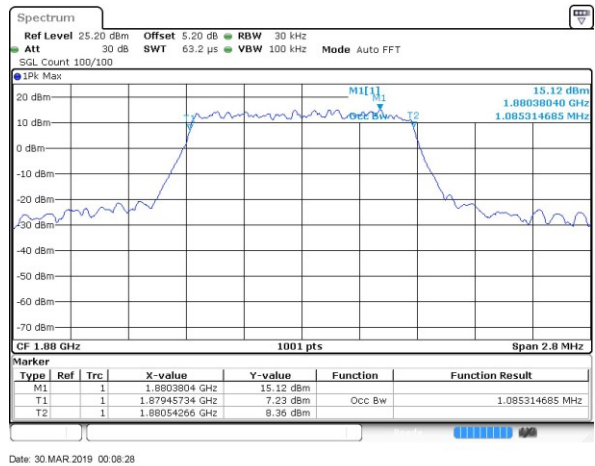
Lowest Channel / 1.4MHz / 16QAM



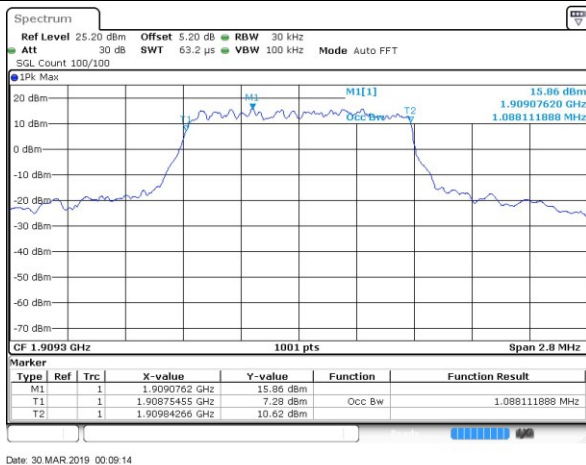
Middle Channel / 1.4MHz / QPSK



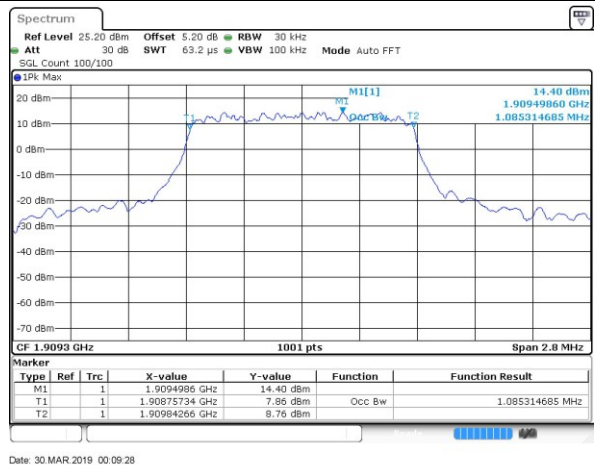
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



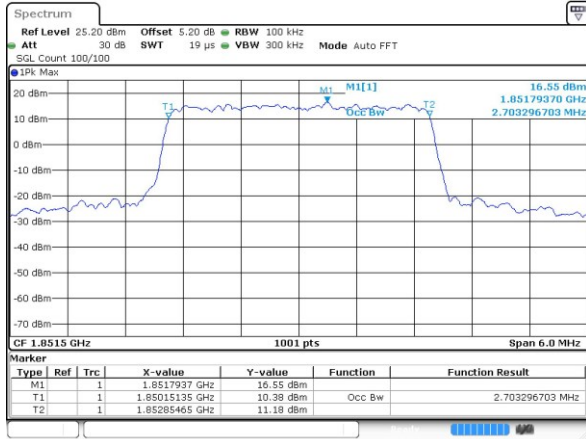
Highest Channel / 1.4MHz / 16QAM



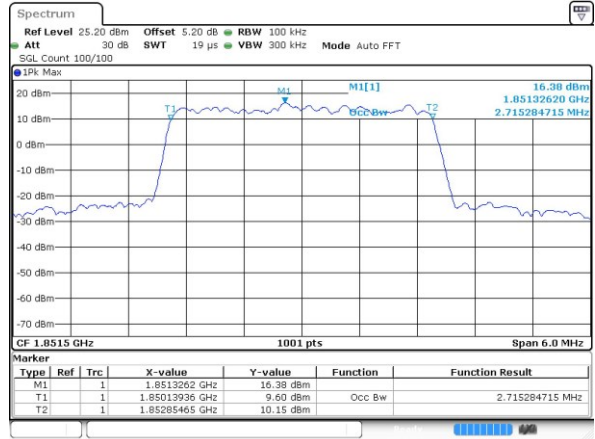


LTE Band 2

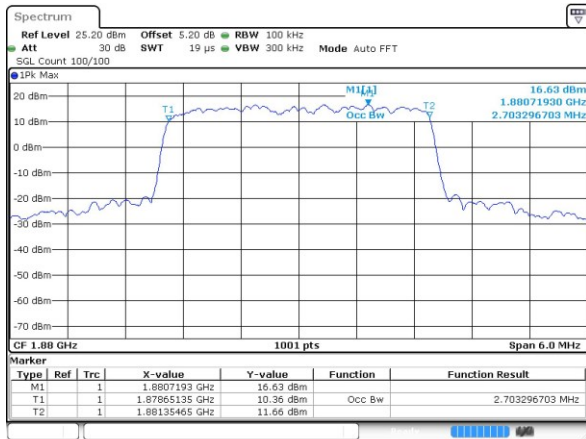
Lowest Channel / 3MHz / QPSK



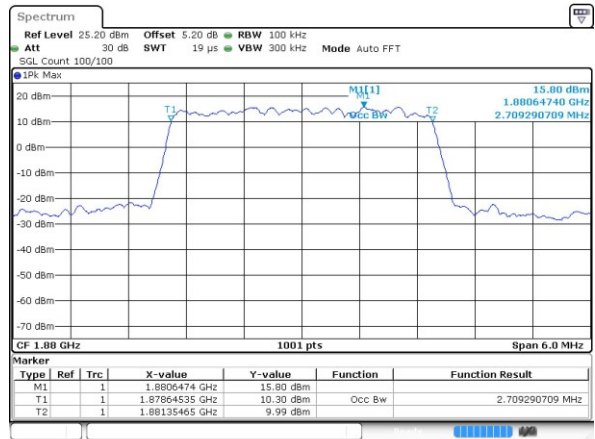
Lowest Channel / 3MHz / 16QAM



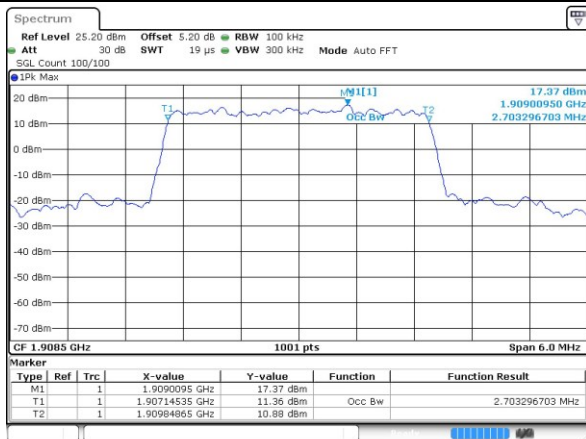
Middle Channel / 3MHz / QPSK



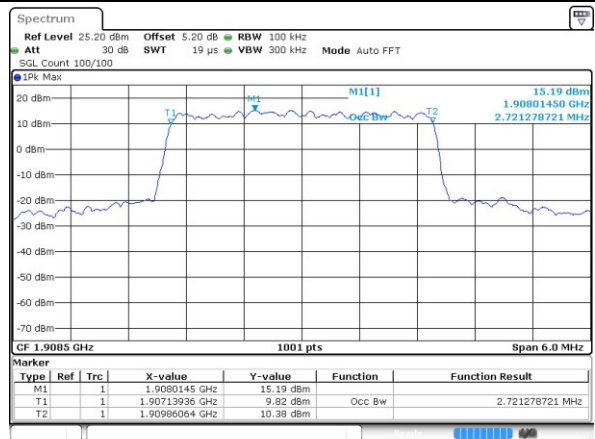
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



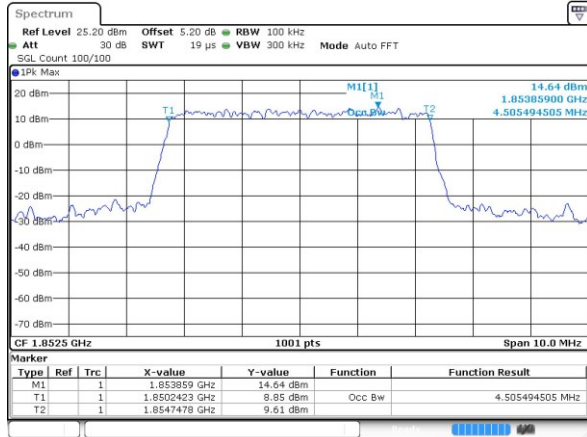
Highest Channel / 3MHz / 16QAM



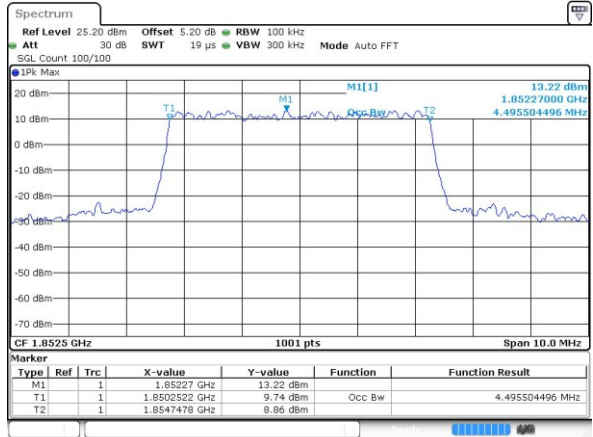


LTE Band 2

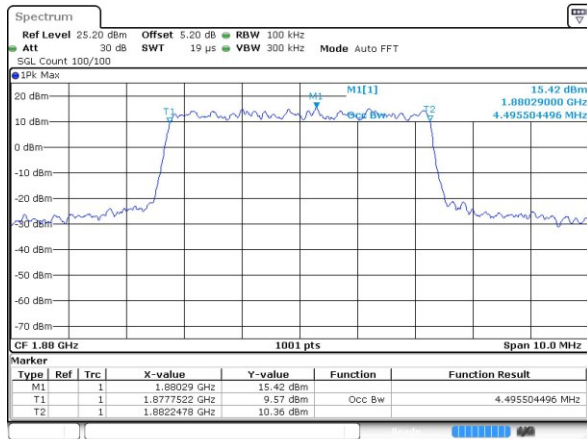
Lowest Channel / 5MHz / QPSK



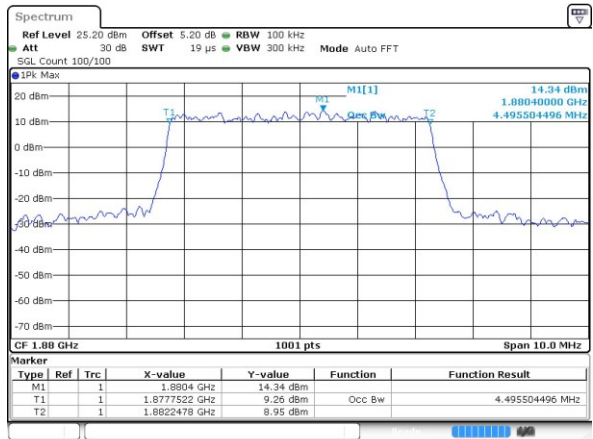
Lowest Channel / 5MHz / 16QAM



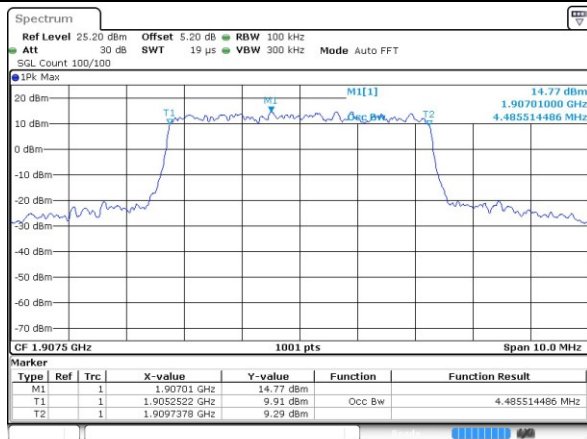
Middle Channel / 5MHz / QPSK



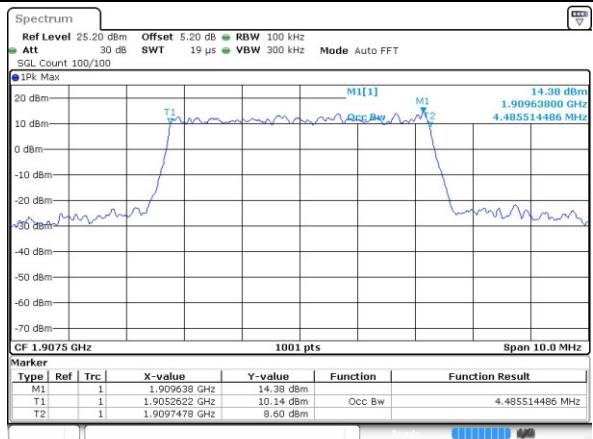
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



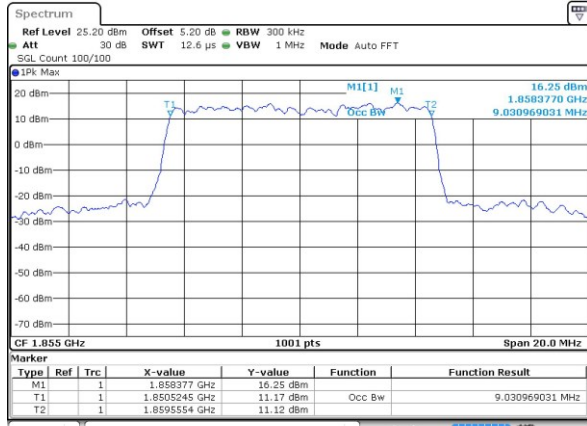
Highest Channel / 5MHz / 16QAM





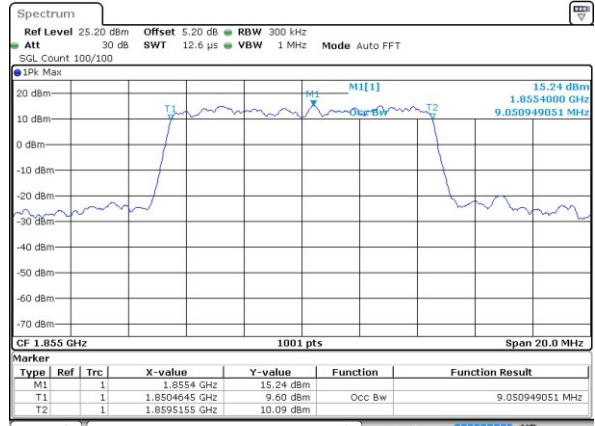
LTE Band 2

Lowest Channel / 10MHz / QPSK



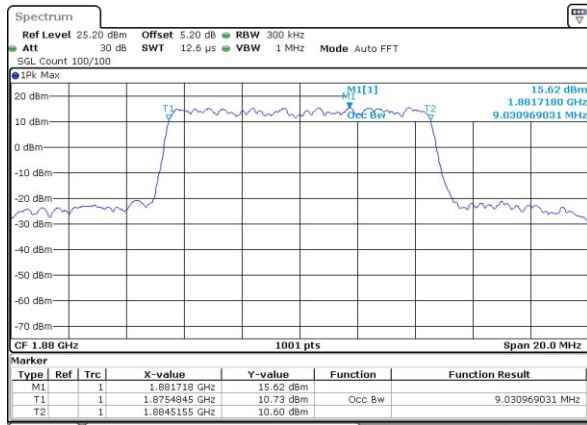
Date: 30 MAR 2019 00:35:29

Lowest Channel / 10MHz / 16QAM



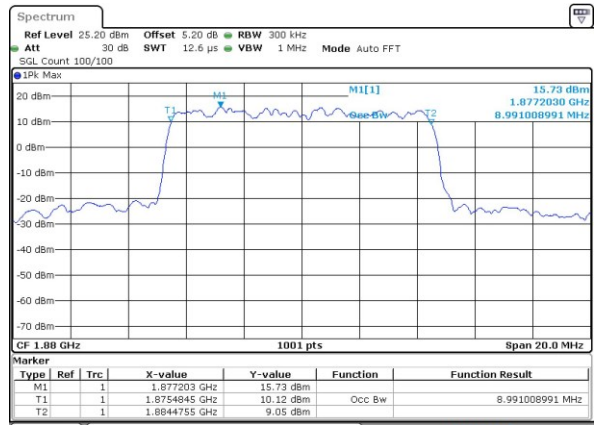
Date: 30 MAR 2019 00:35:42

Middle Channel / 10MHz / QPSK



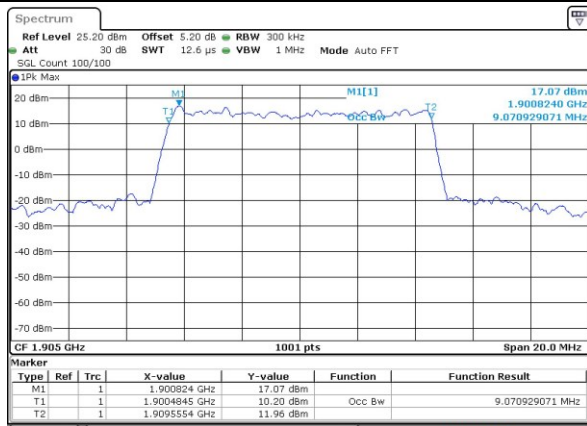
Date: 30 MAR 2019 00:40:20

Middle Channel / 10MHz / 16QAM



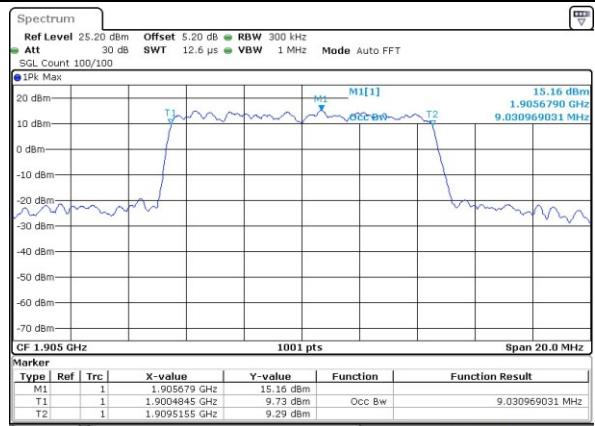
Date: 30 MAR 2019 00:40:33

Highest Channel / 10MHz / QPSK



Date: 30 MAR 2019 00:41:11

Highest Channel / 10MHz / 16QAM

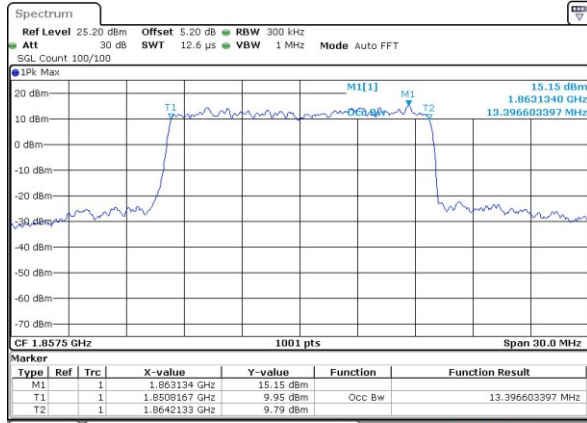


Date: 30 MAR 2019 00:41:24



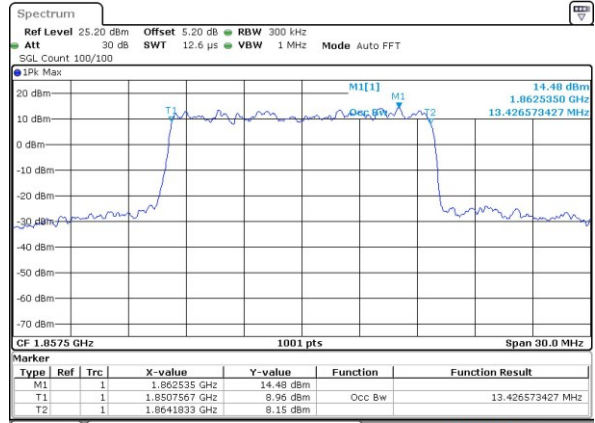
LTE Band 2

Lowest Channel / 15MHz / QPSK



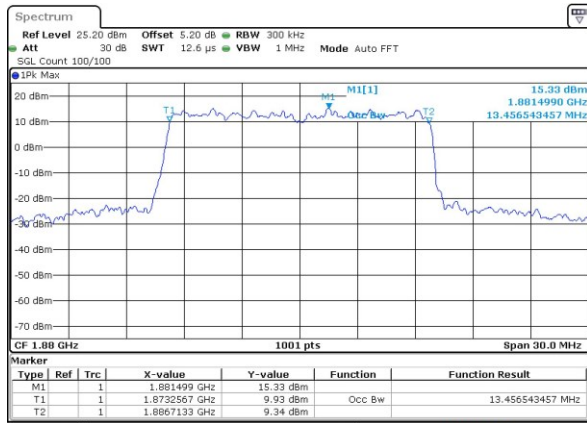
Date: 30 MAR 2019 00:46:02

Lowest Channel / 15MHz / 16QAM



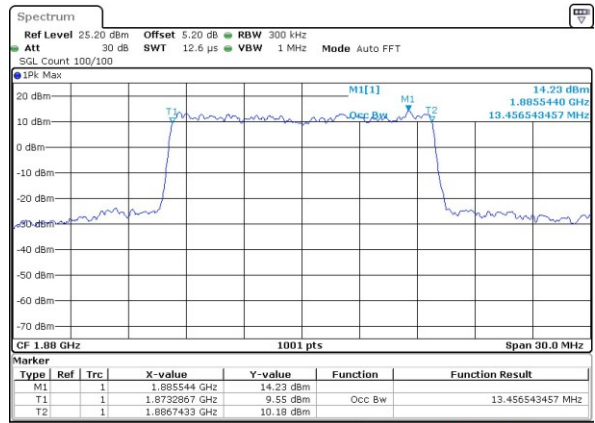
Date: 30 MAR 2019 00:46:14

Middle Channel / 15MHz / QPSK



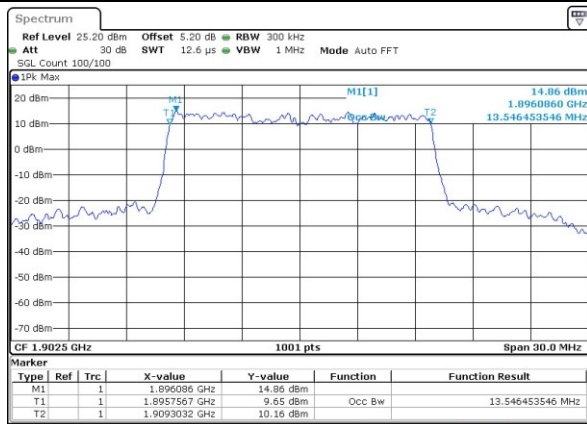
Date: 30 MAR 2019 00:51:00

Middle Channel / 15MHz / 16QAM



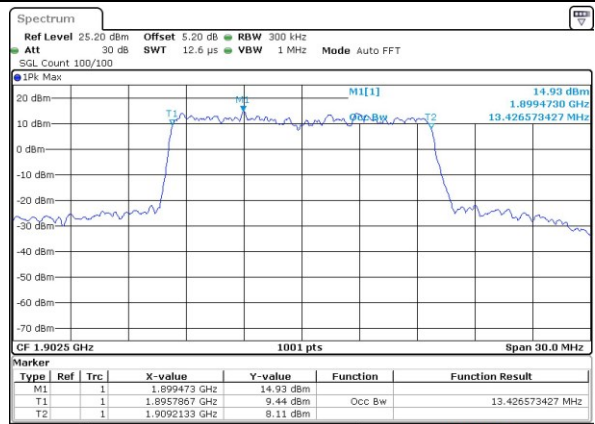
Date: 30 MAR 2019 00:51:13

Highest Channel / 15MHz / QPSK



Date: 30 MAR 2019 00:51:50

Highest Channel / 15MHz / 16QAM



Date: 30 MAR 2019 00:52:02