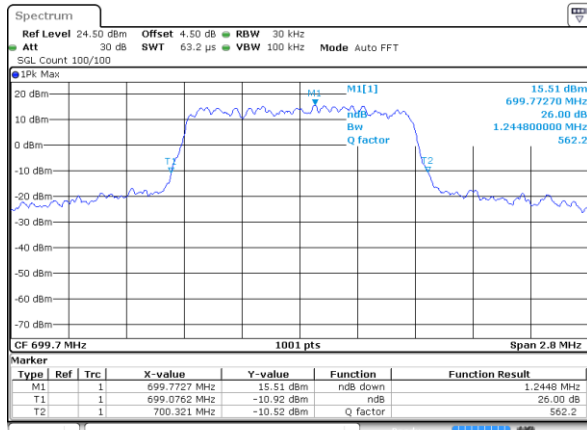




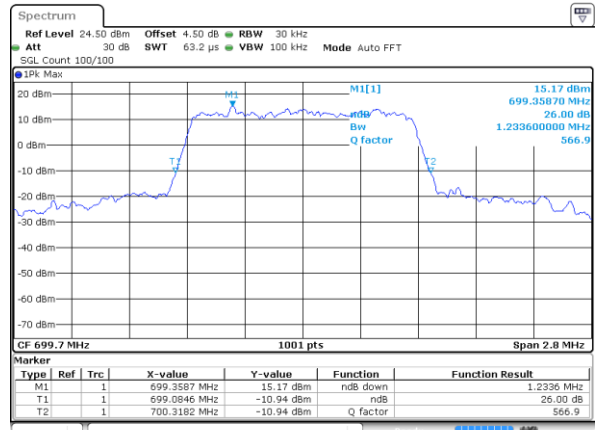
LTE Band 12

Lowest Channel / 1.4MHz / QPSK



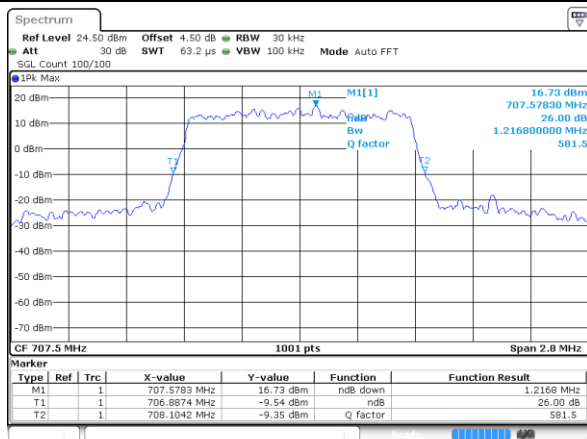
Date: 6 MAY 2019 05:52:34

Lowest Channel / 1.4MHz / 16QAM



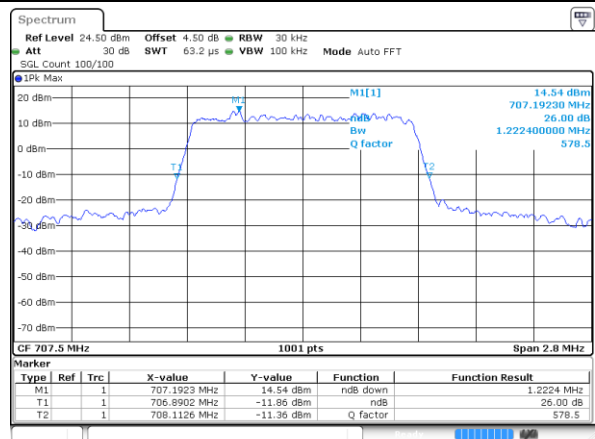
Date: 6 MAY 2019 05:52:24

Middle Channel / 1.4MHz / QPSK



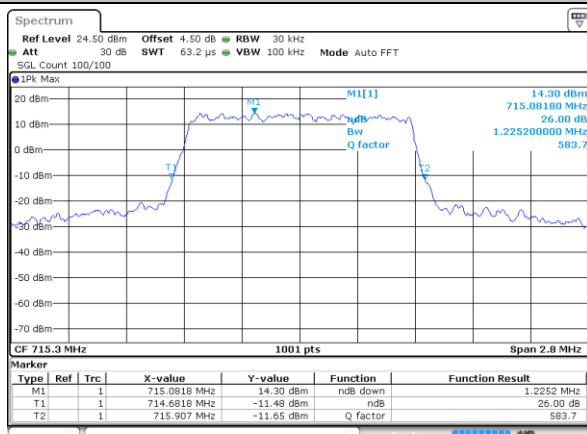
Date: 6 MAY 2019 05:52:04

Middle Channel / 1.4MHz / 16QAM



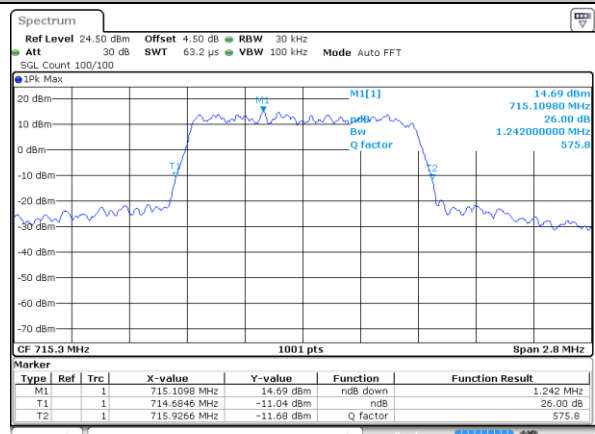
Date: 6 MAY 2019 05:52:14

Highest Channel / 1.4MHz / QPSK



Date: 6 MAY 2019 05:51:54

Highest Channel / 1.4MHz / 16QAM

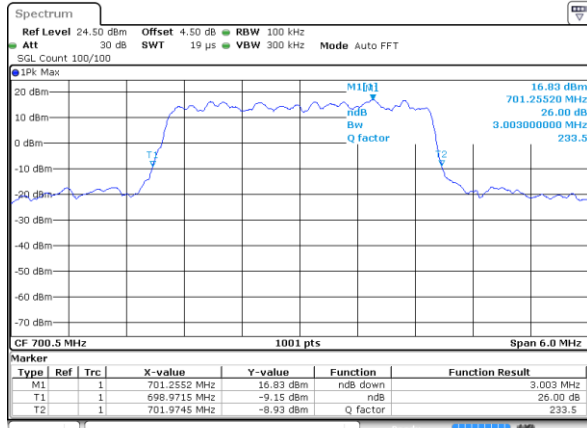


Date: 6 MAY 2019 05:51:44

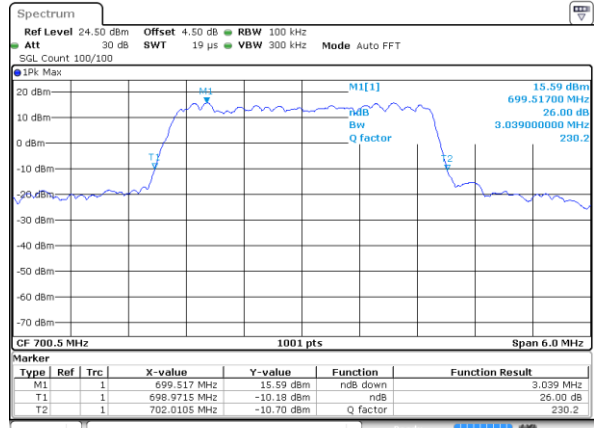


LTE Band 12

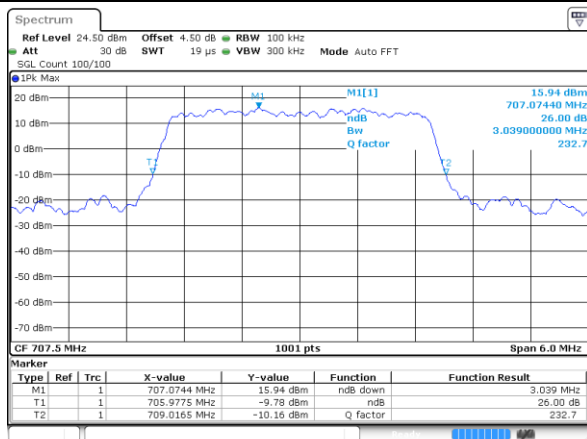
Lowest Channel / 3MHz / QPSK



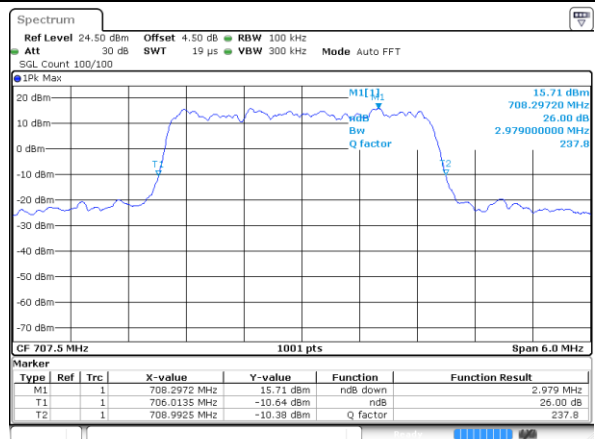
Lowest Channel / 3MHz / 16QAM



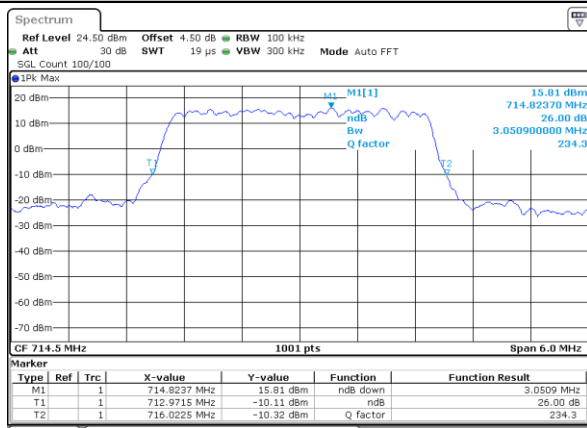
Middle Channel / 3MHz / QPSK



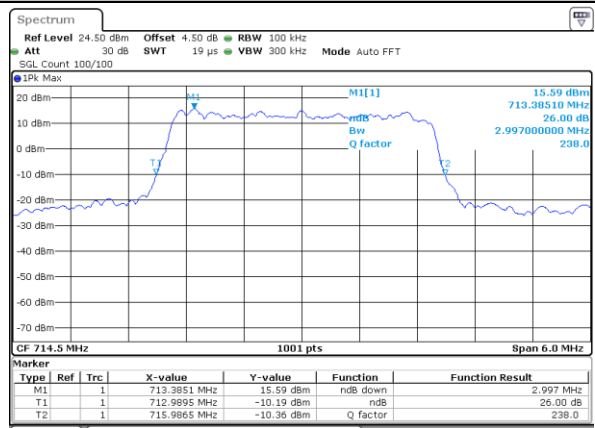
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



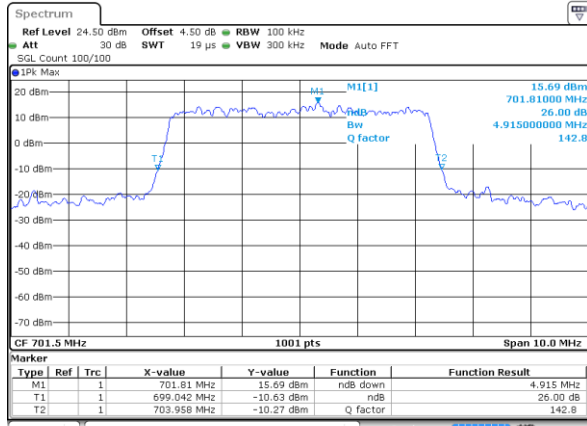
Highest Channel / 3MHz / 16QAM



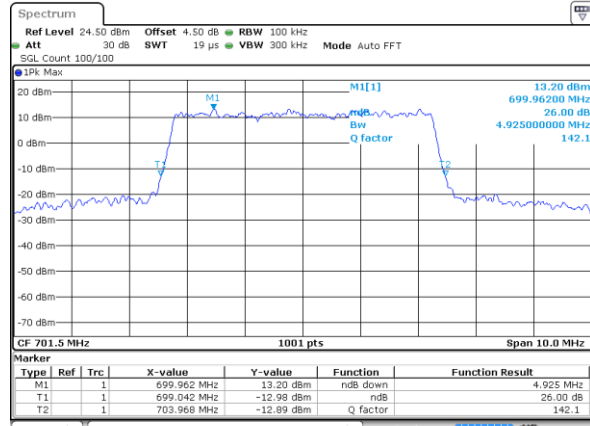


LTE Band 12

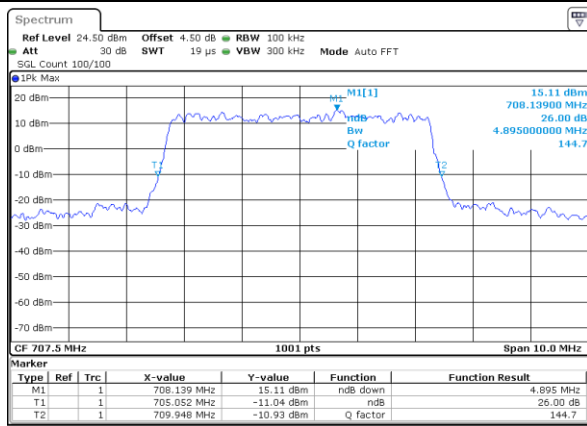
Lowest Channel / 5MHz / QPSK



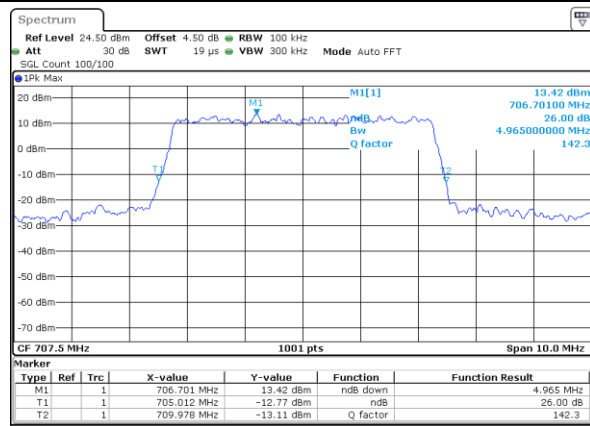
Lowest Channel / 5MHz / 16QAM



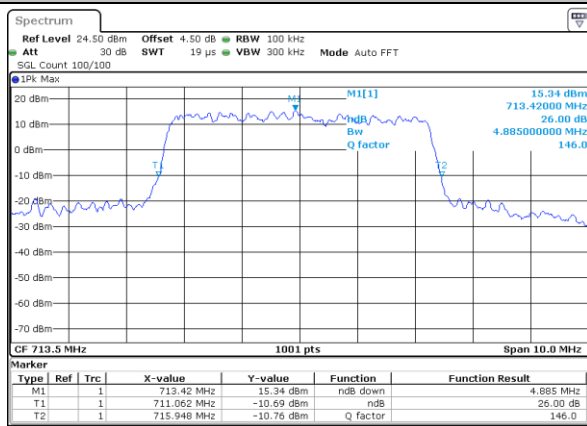
Middle Channel / 5MHz / QPSK



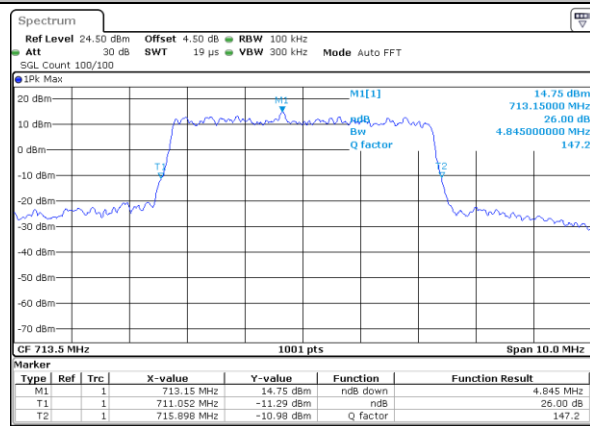
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



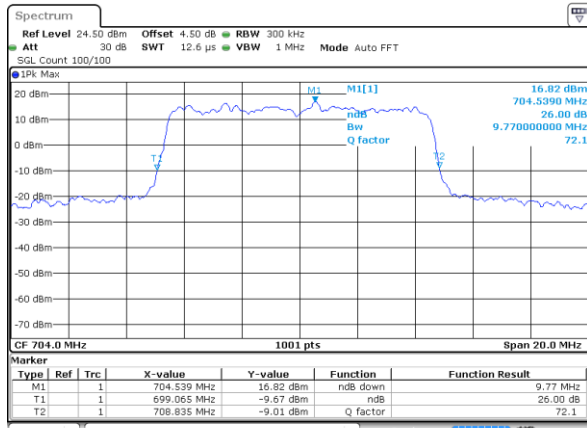
Highest Channel / 5MHz / 16QAM



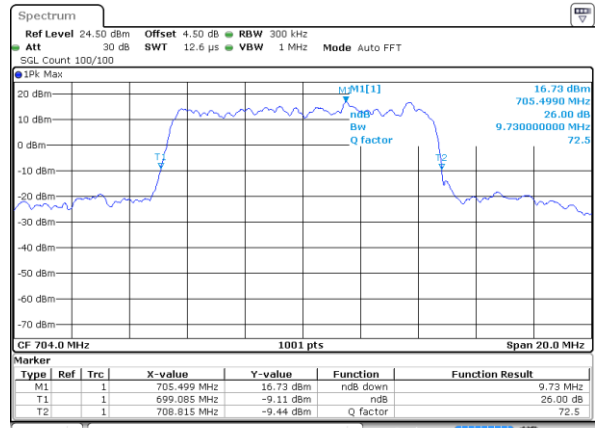


LTE Band 12

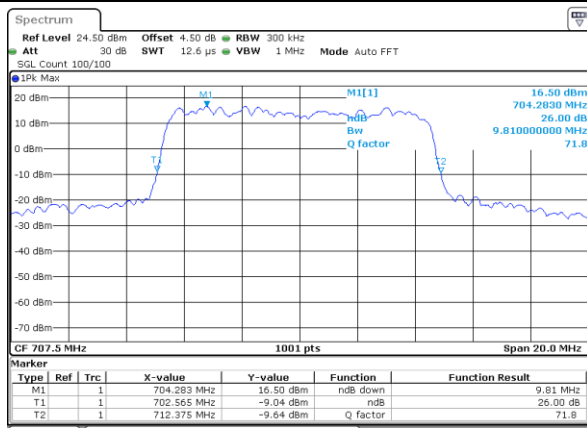
Lowest Channel / 10MHz / QPSK



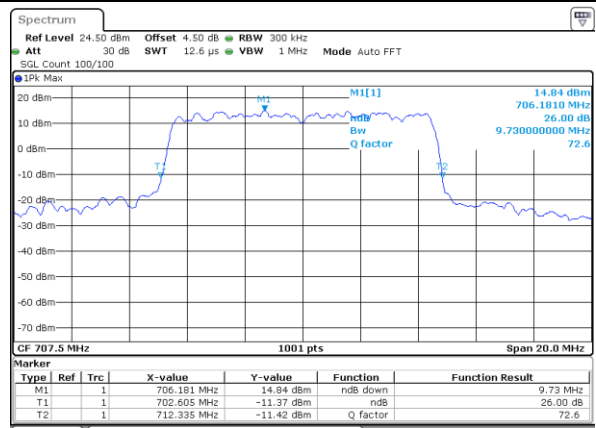
Lowest Channel / 10MHz / 16QAM



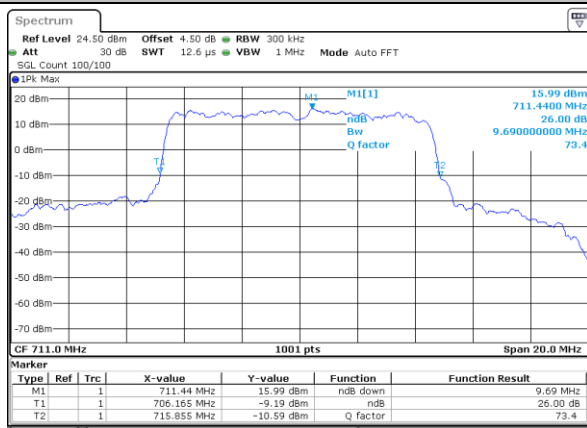
Middle Channel / 10MHz / QPSK



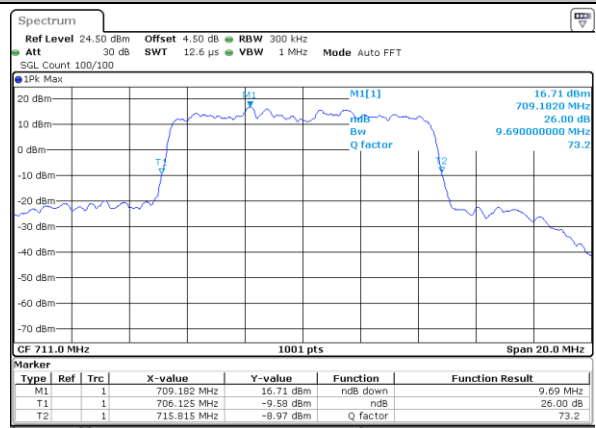
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



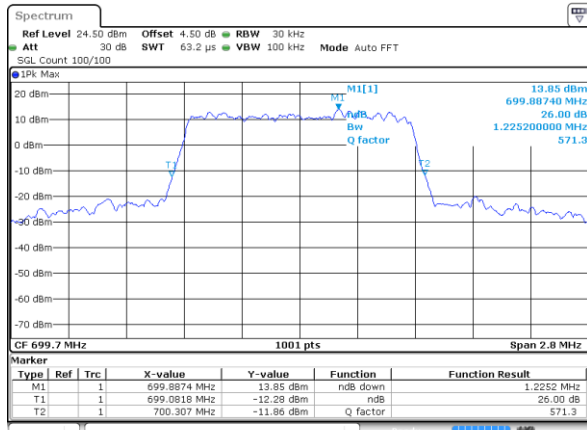
Highest Channel / 10MHz / 16QAM





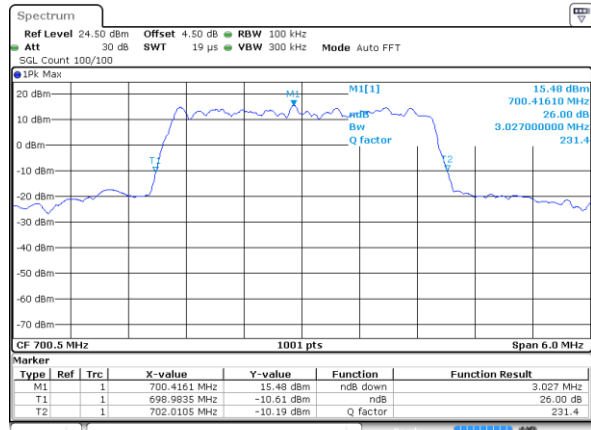
LTE Band 12

Lowest Channel / 1.4MHz / 64QAM



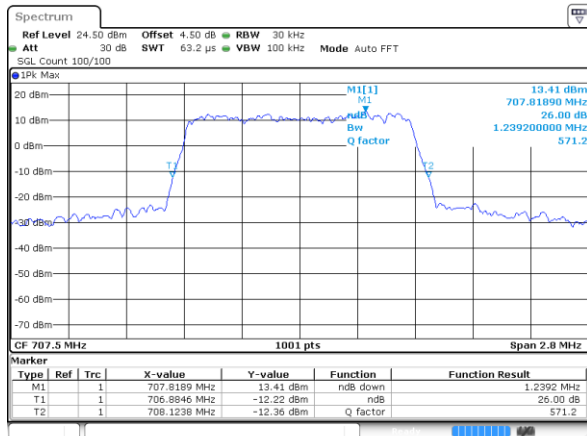
Date: 6 MAY 2019 06:56:36

Lowest Channel / 3MHz / 64QAM



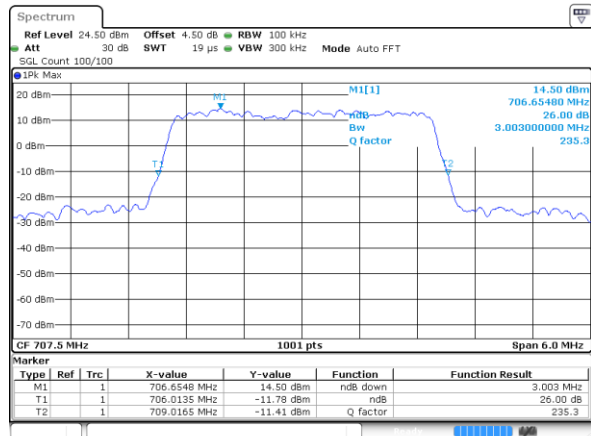
Date: 6 MAY 2019 07:07:26

Middle Channel / 1.4MHz / 64QAM



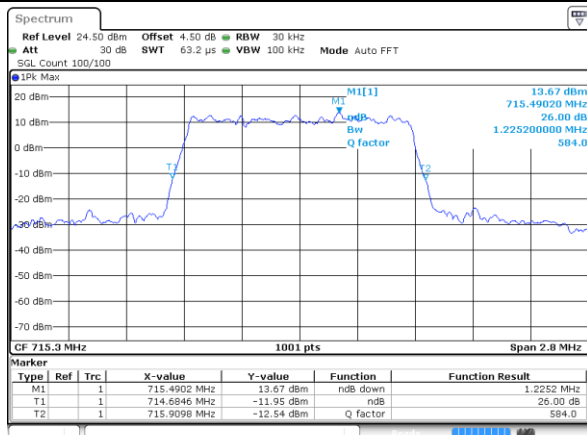
Date: 6 MAY 2019 06:56:56

Middle Channel / 3MHz / 64QAM



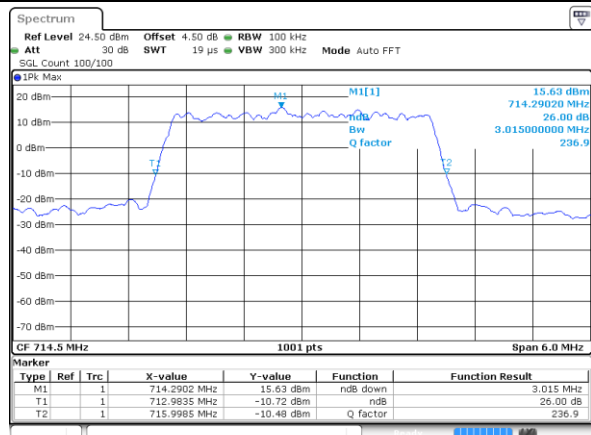
Date: 6 MAY 2019 07:07:46

Highest Channel / 1.4MHz / 64QAM



Date: 6 MAY 2019 06:57:16

Highest Channel / 3MHz / 64QAM

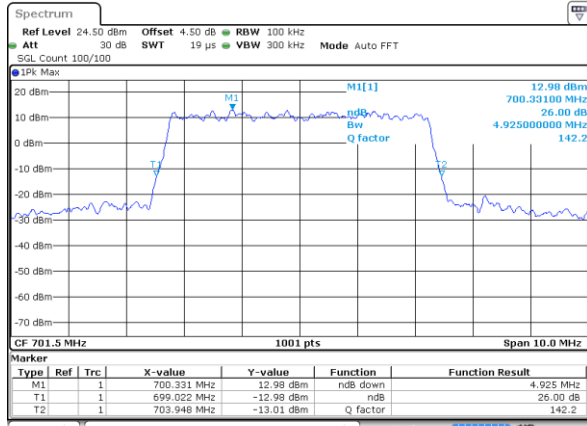


Date: 6 MAY 2019 07:08:06

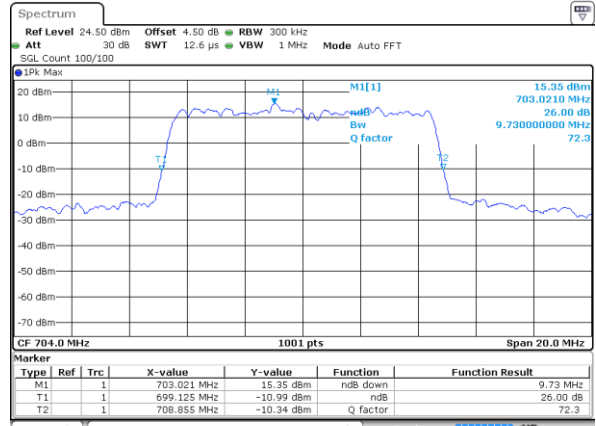


LTE Band 12

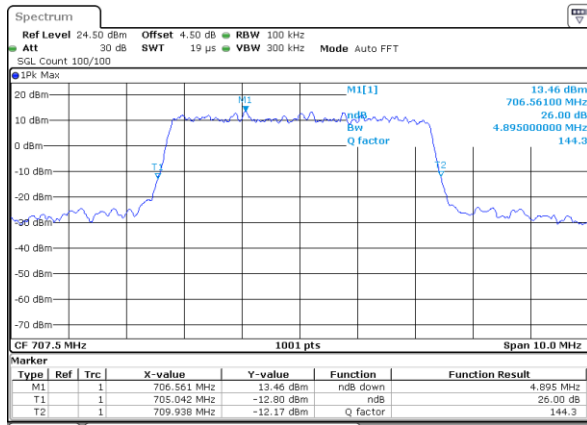
Lowest Channel / 5MHz / 64QAM



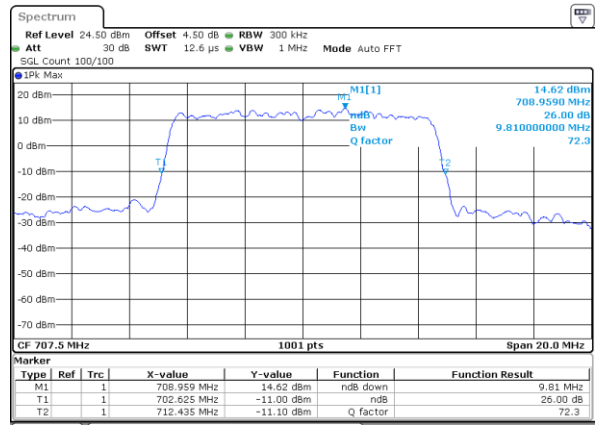
Lowest Channel / 10MHz / 64QAM



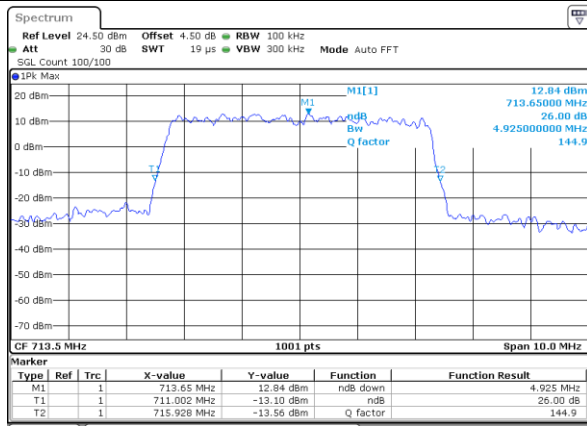
Middle Channel / 5MHz / 64QAM



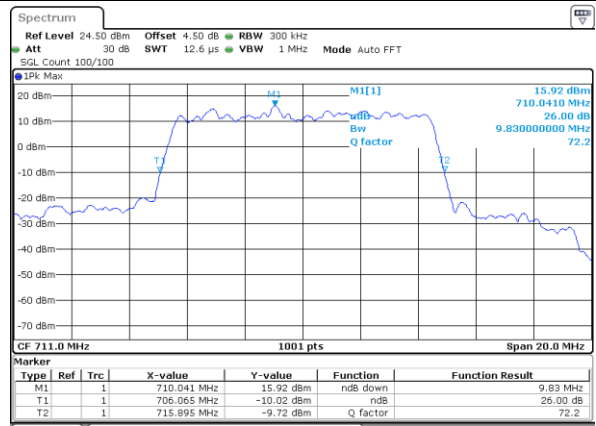
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



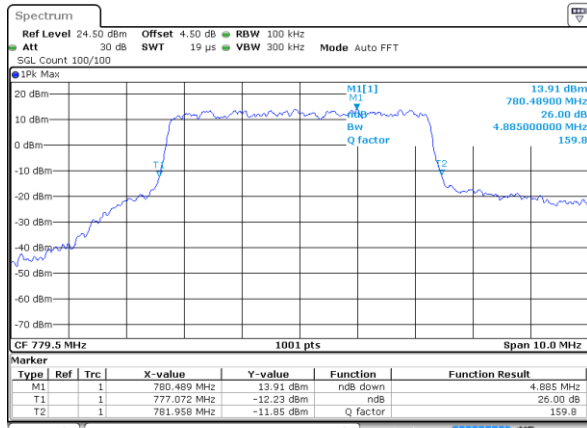
Highest Channel / 10MHz / 64QAM



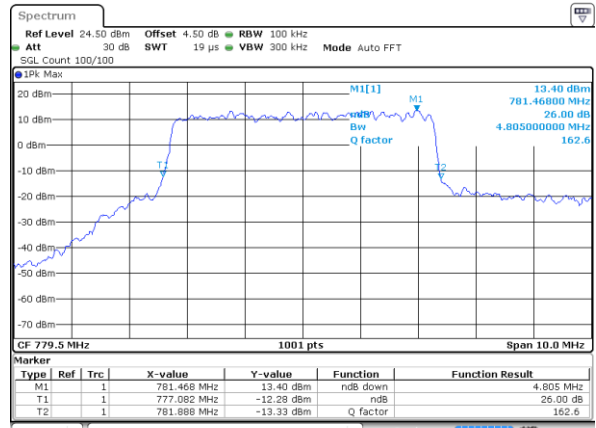


LTE Band 13

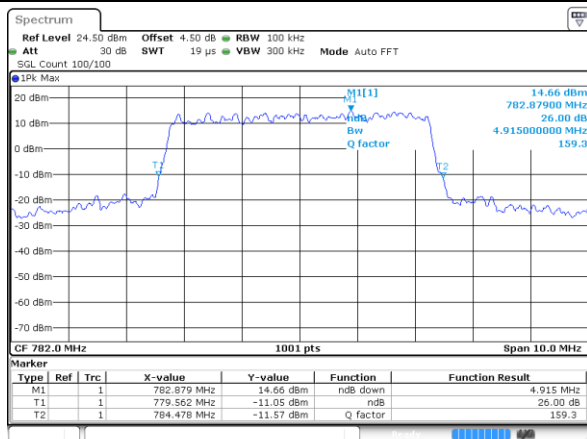
Lowest Channel / 5MHz / QPSK



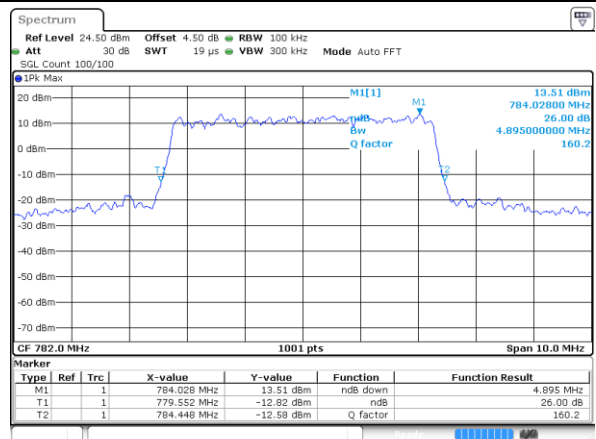
Lowest Channel / 5MHz / 16QAM



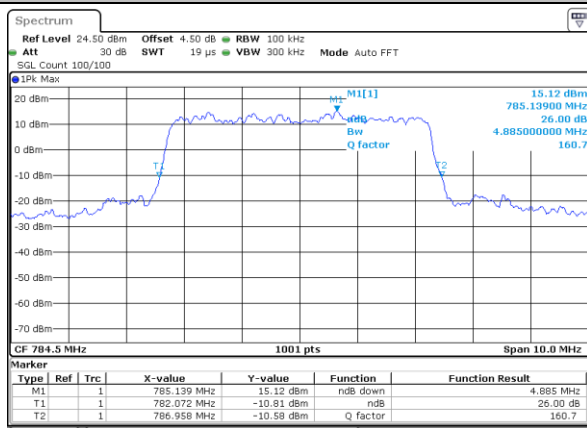
Middle Channel / 5MHz / QPSK



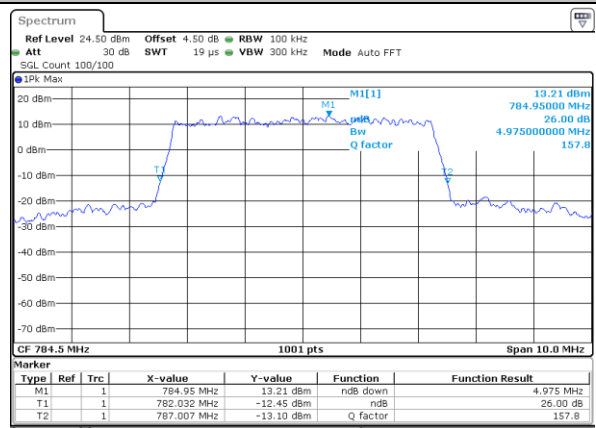
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



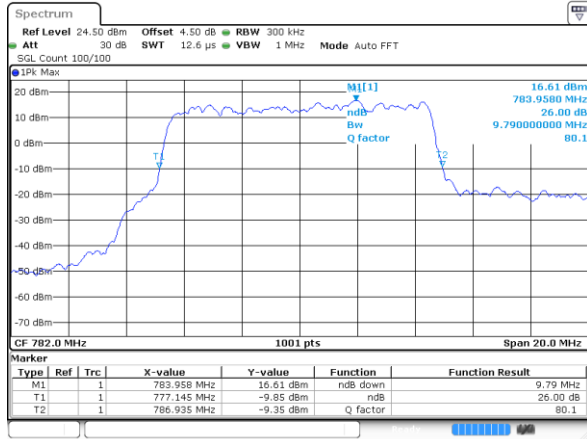
Highest Channel / 5MHz / 16QAM





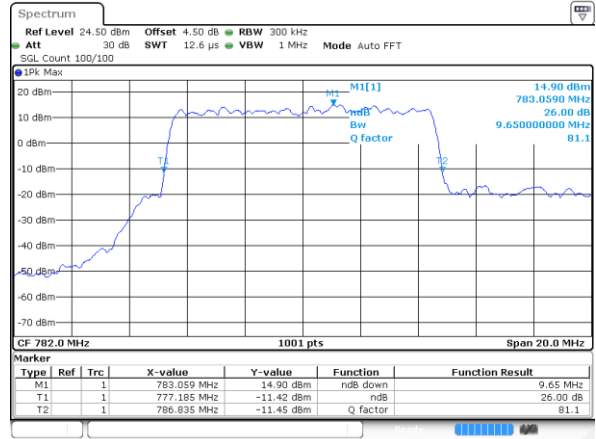
LTE Band 13

Middle Channel / 10MHz / QPSK



Date: 6 MAY 2019 05:09:47

Middle Channel / 10MHz / 16QAM

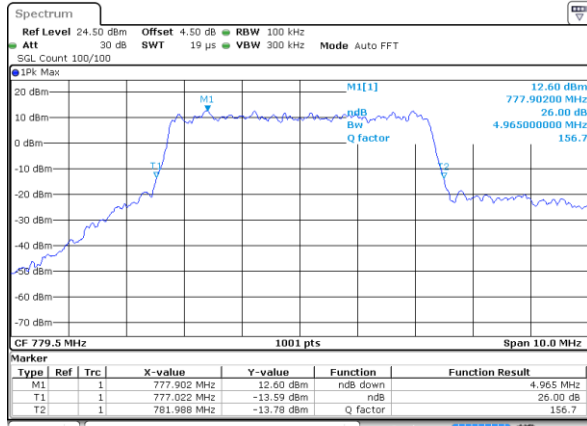


Date: 6 MAY 2019 05:09:37



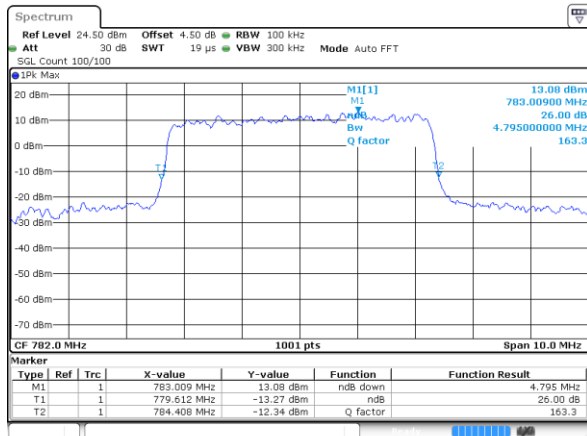
LTE Band 13

Lowest Channel / 5MHz / 64QAM



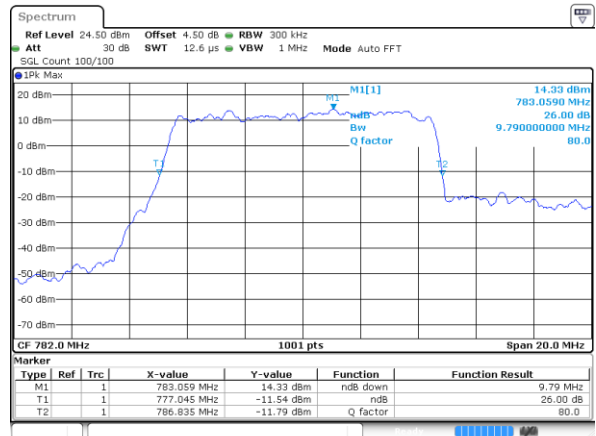
Date: 6 MAY 2019 05:28:34

Middle Channel / 5MHz / 64QAM



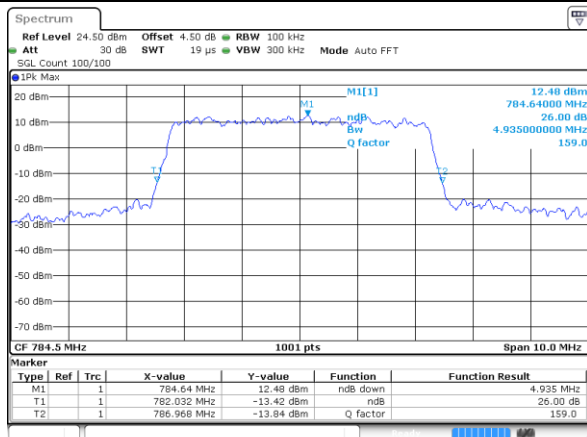
Date: 6 MAY 2019 05:28:44

Middle Channel / 10MHz / 64QAM



Date: 6 MAY 2019 05:38:23

Highest Channel / 5MHz / 64QAM

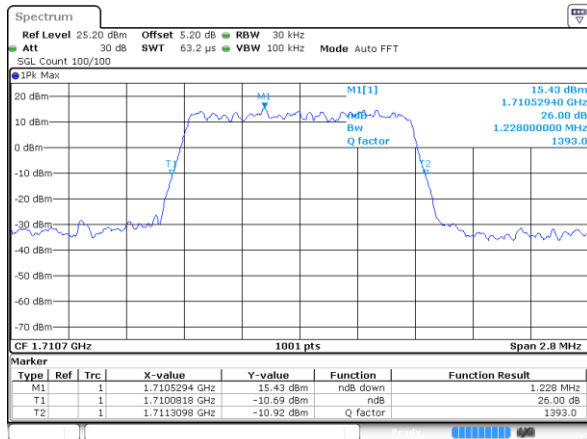


Date: 6 MAY 2019 05:28:54



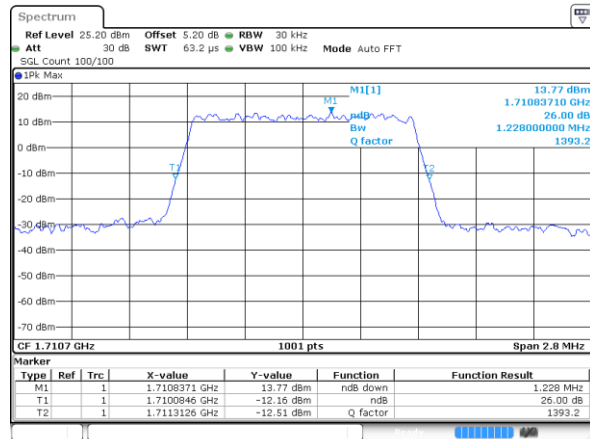
LTE Band 66

Lowest Channel / 1.4MHz / QPSK



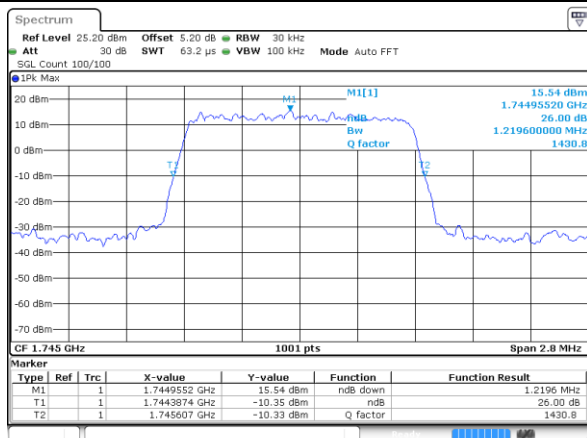
Date: 6 MAY 2019 23:29:11

Lowest Channel / 1.4MHz / 16QAM



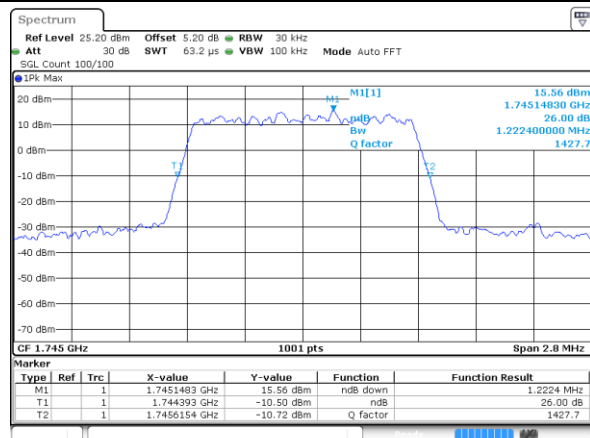
Date: 6 MAY 2019 23:27:45

Middle Channel / 1.4MHz / QPSK



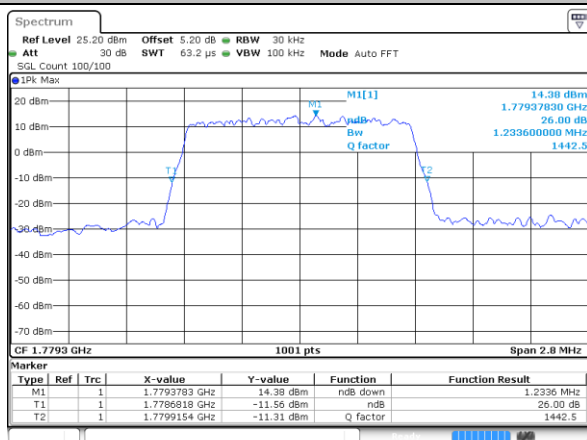
Date: 6 MAY 2019 23:13:32

Middle Channel / 1.4MHz / 16QAM



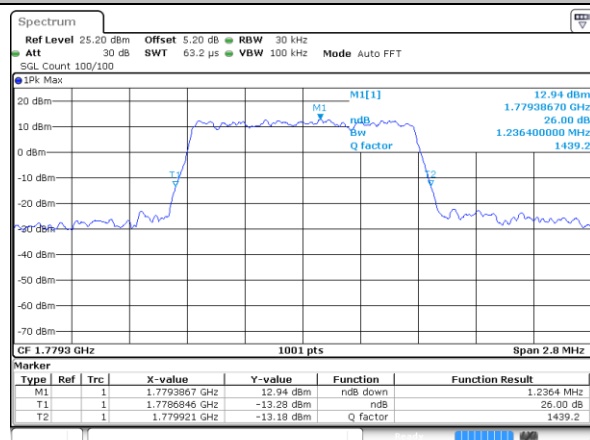
Date: 6 MAY 2019 23:13:59

Highest Channel / 1.4MHz / QPSK



Date: 6 MAY 2019 23:31:01

Highest Channel / 1.4MHz / 16QAM

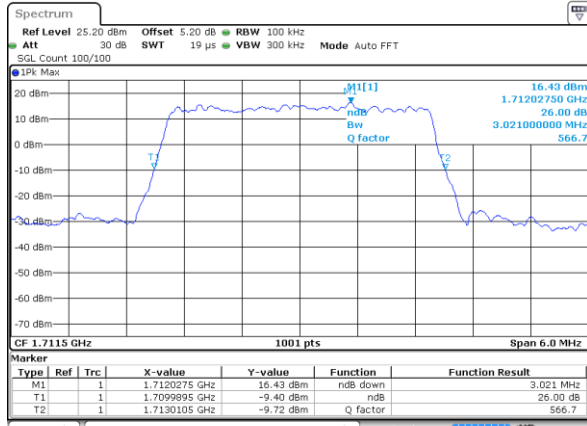


Date: 6 MAY 2019 23:32:22

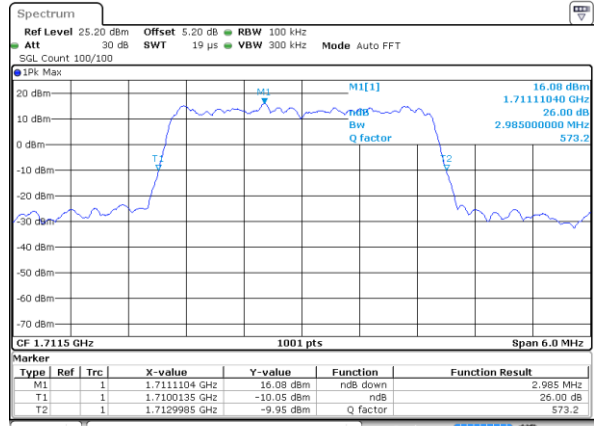


LTE Band 66

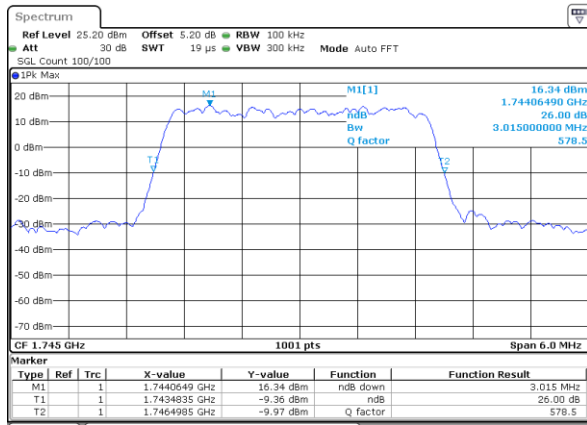
Lowest Channel / 3MHz / QPSK



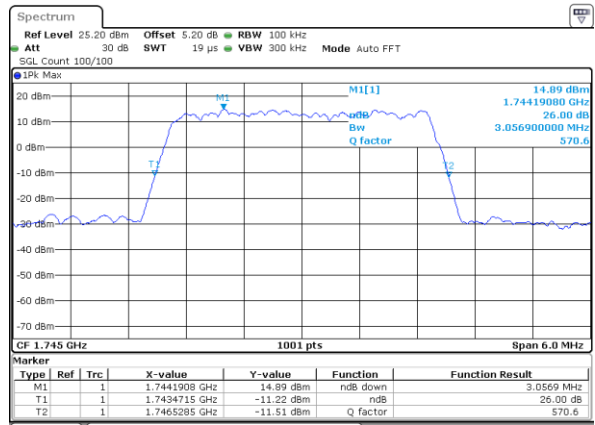
Lowest Channel / 3MHz / 16QAM



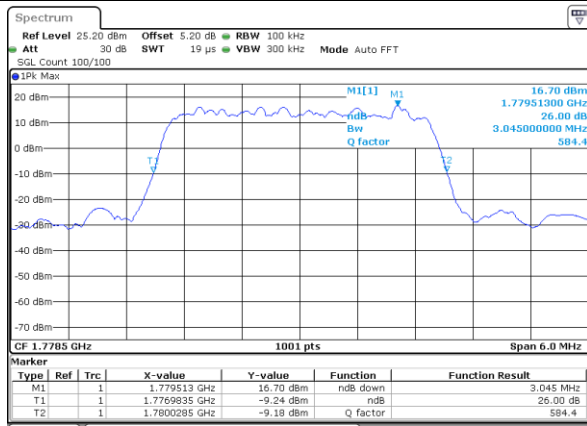
Middle Channel / 3MHz / QPSK



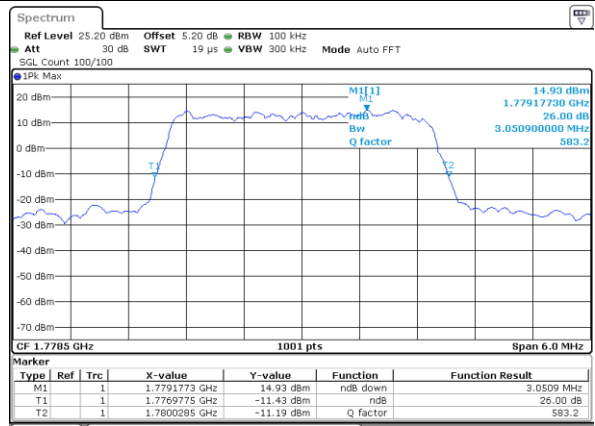
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



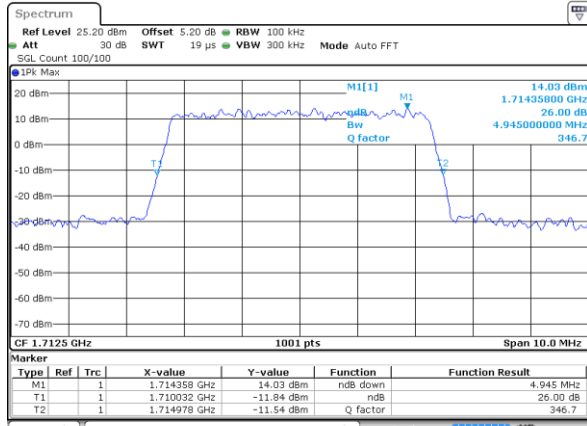
Highest Channel / 3MHz / 16QAM





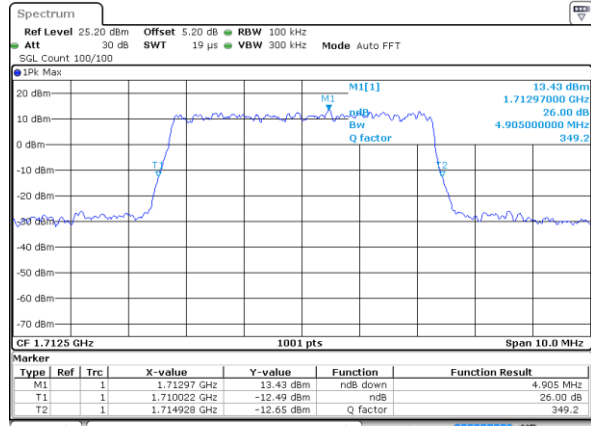
LTE Band 66

Lowest Channel / 5MHz / QPSK



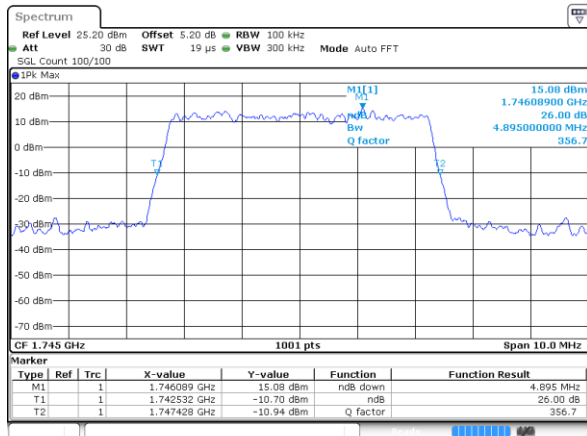
Date: 7 MAY 2019 00:36:28

Lowest Channel / 5MHz / 16QAM



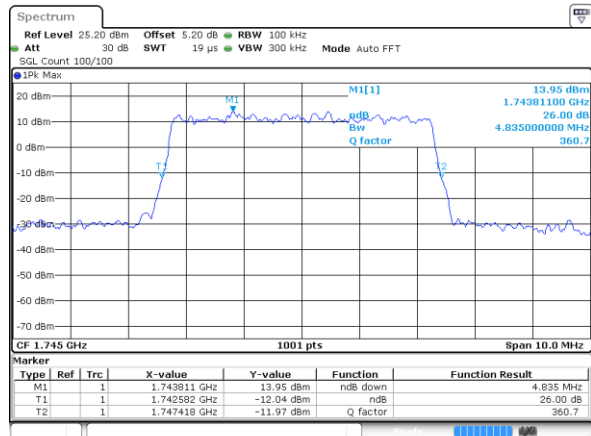
Date: 7 MAY 2019 00:35:56

Middle Channel / 5MHz / QPSK



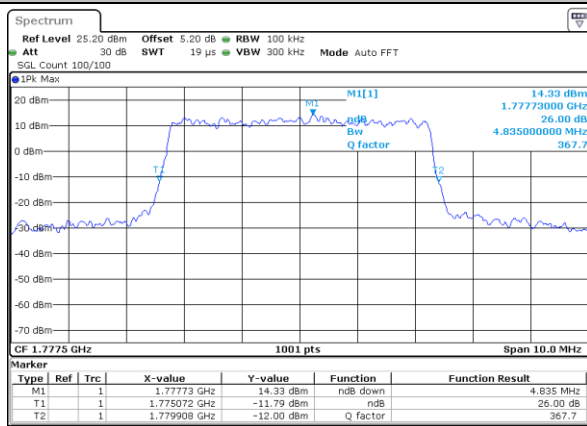
Date: 7 MAY 2019 00:28:33

Middle Channel / 5MHz / 16QAM



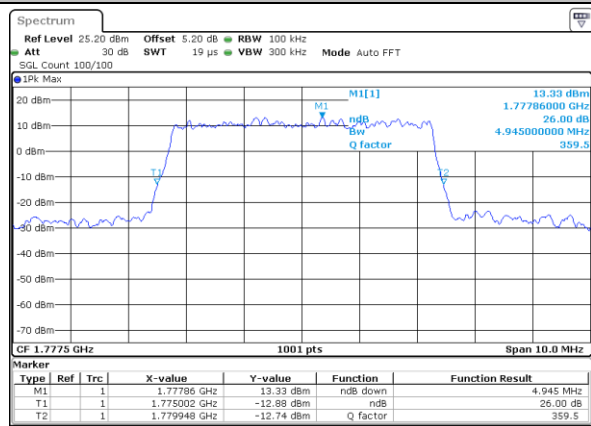
Date: 7 MAY 2019 00:28:58

Highest Channel / 5MHz / QPSK



Date: 7 MAY 2019 00:37:37

Highest Channel / 5MHz / 16QAM

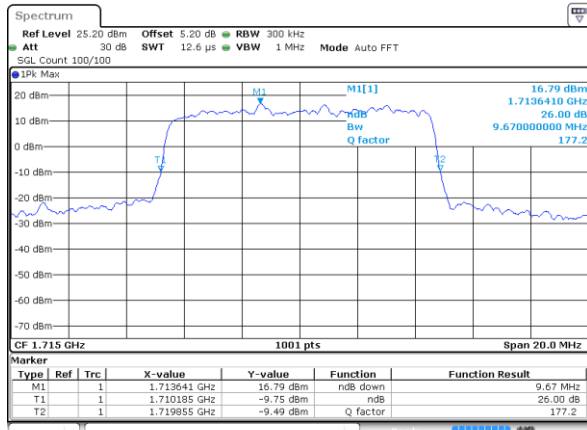


Date: 7 MAY 2019 00:38:10



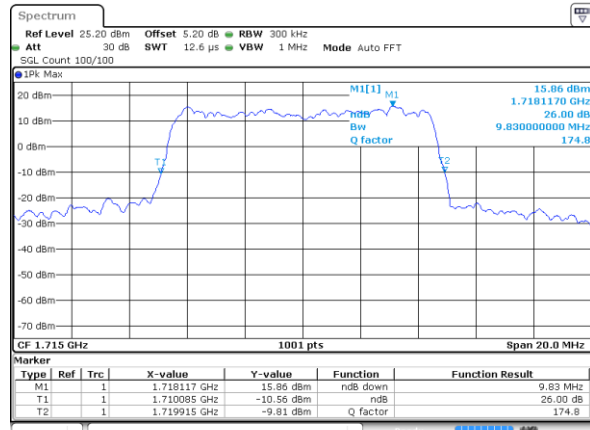
LTE Band 66

Lowest Channel / 10MHz / QPSK



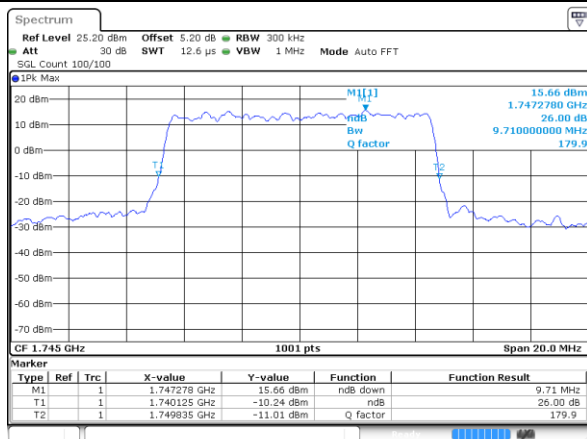
Date: 7 MAY 2019 00:52:45

Lowest Channel / 10MHz / 16QAM



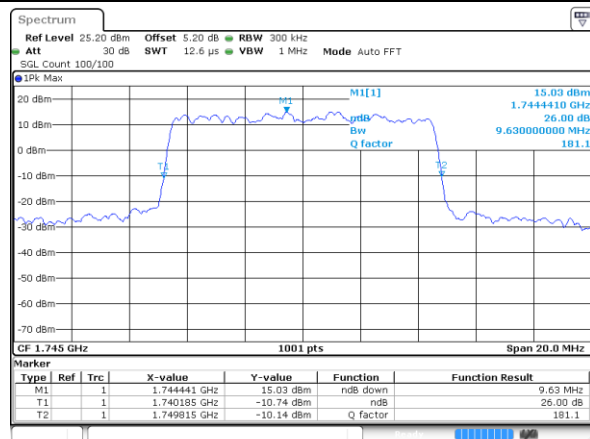
Date: 7 MAY 2019 00:52:02

Middle Channel / 10MHz / QPSK



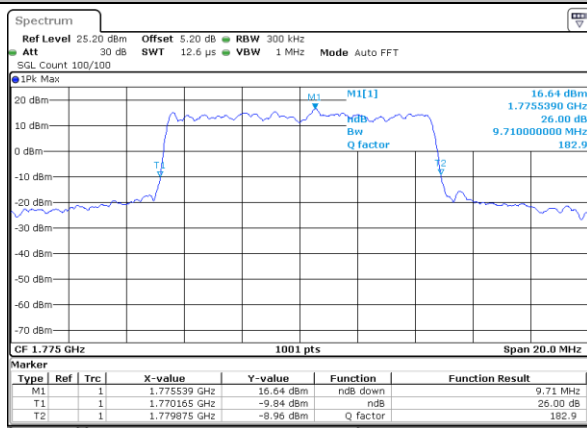
Date: 7 MAY 2019 00:44:18

Middle Channel / 10MHz / 16QAM



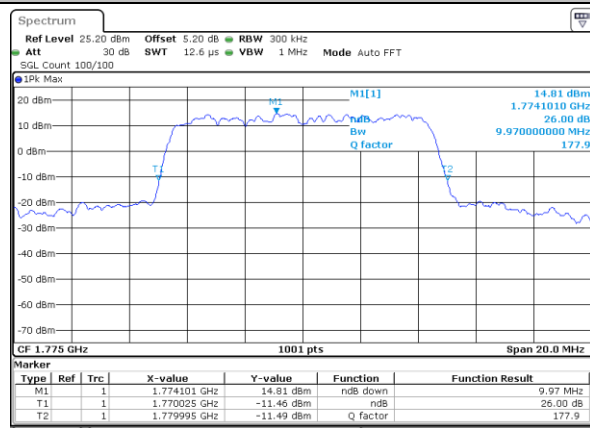
Date: 7 MAY 2019 00:44:40

Highest Channel / 10MHz / QPSK



Date: 7 MAY 2019 00:53:45

Highest Channel / 10MHz / 16QAM

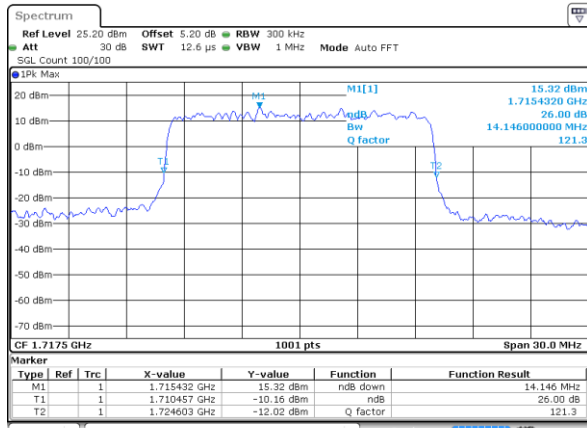


Date: 7 MAY 2019 00:54:25



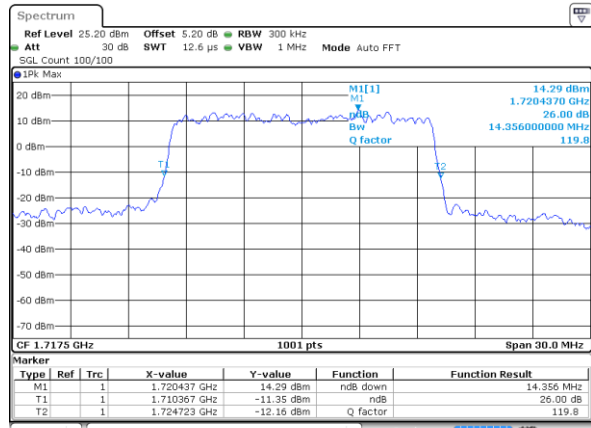
LTE Band 66

Lowest Channel / 15MHz / QPSK



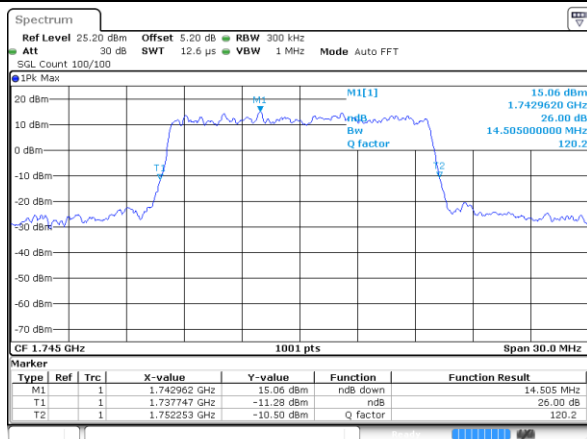
Date: 7 MAY 2019 01:40:09

Lowest Channel / 15MHz / 16QAM



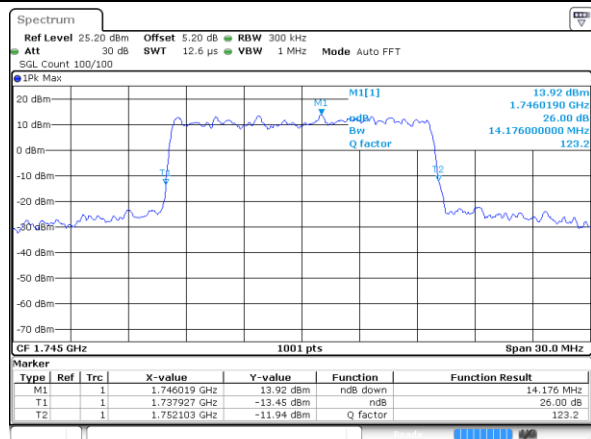
Date: 7 MAY 2019 01:39:42

Middle Channel / 15MHz / QPSK



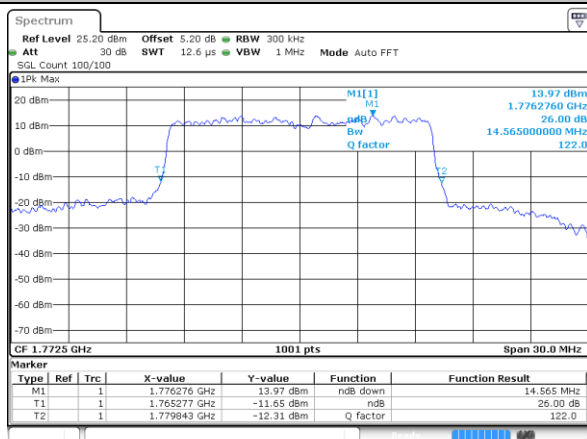
Date: 7 MAY 2019 01:01:24

Middle Channel / 15MHz / 16QAM



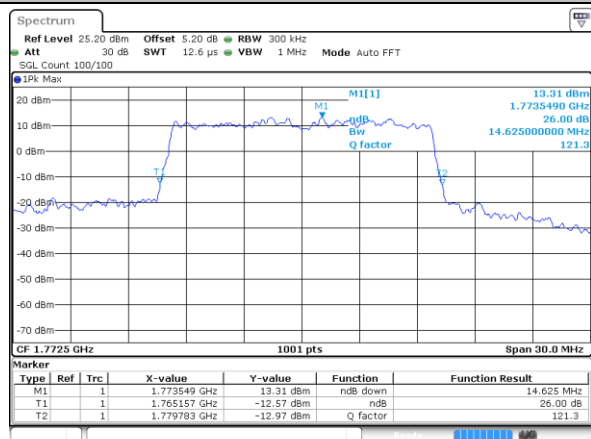
Date: 7 MAY 2019 01:01:42

Highest Channel / 15MHz / QPSK



Date: 7 MAY 2019 01:41:13

Highest Channel / 15MHz / 16QAM

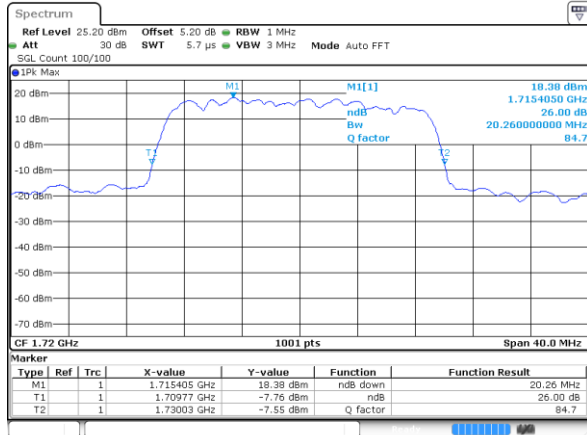


Date: 7 MAY 2019 01:41:41

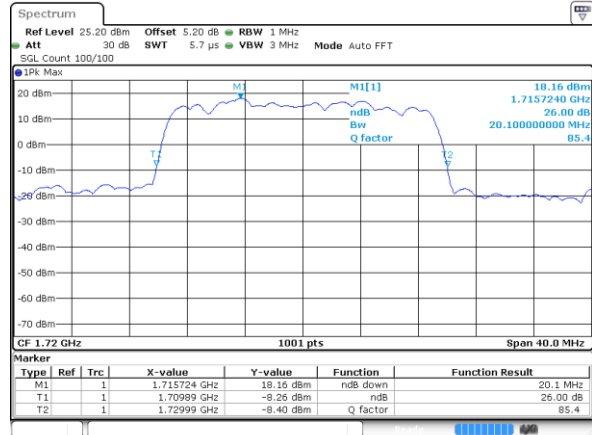


LTE Band 66

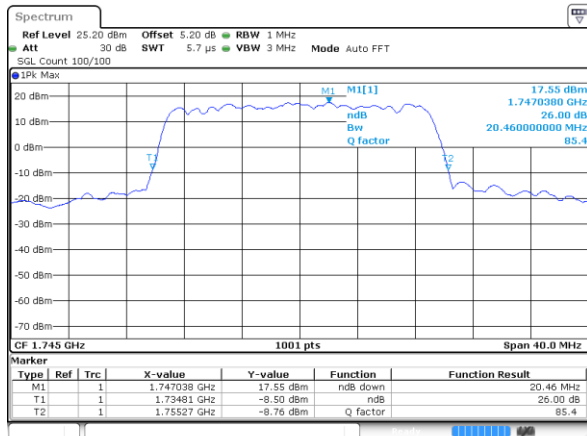
Lowest Channel / 20MHz / QPSK



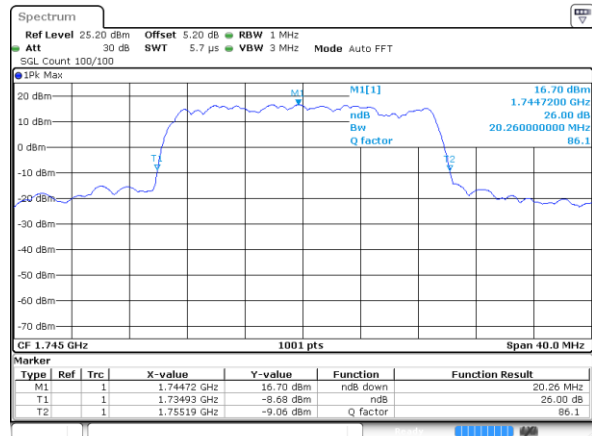
Lowest Channel / 20MHz / 16QAM



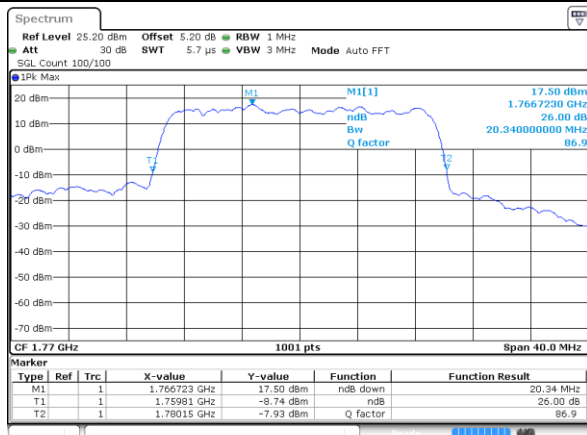
Middle Channel / 20MHz / QPSK



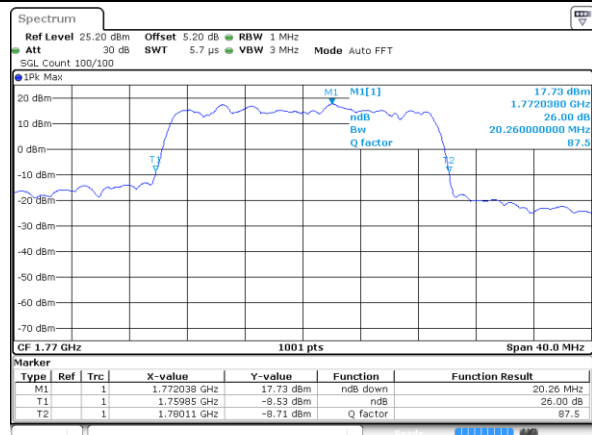
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



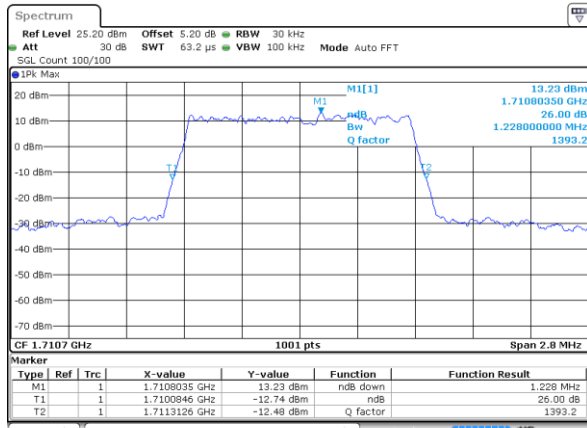
Highest Channel / 20MHz / 16QAM





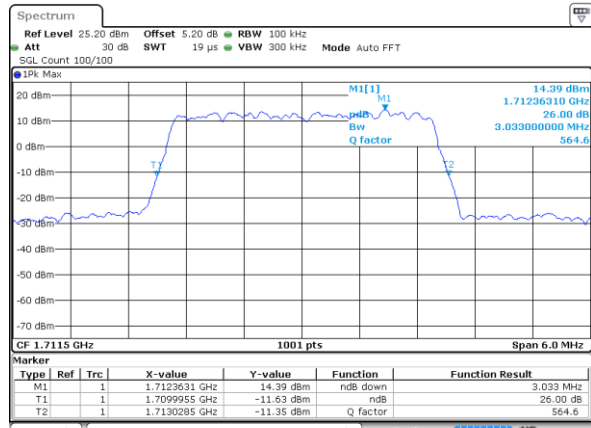
LTE Band 66

Lowest Channel / 1.4MHz / 64QAM



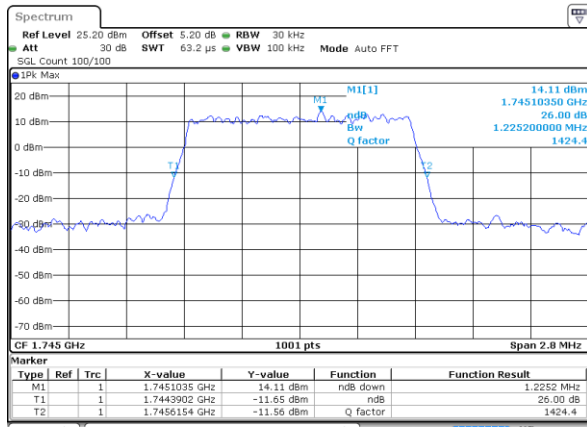
Date: 6 MAY 2019 23:27:21

Lowest Channel / 3MHz / 64QAM



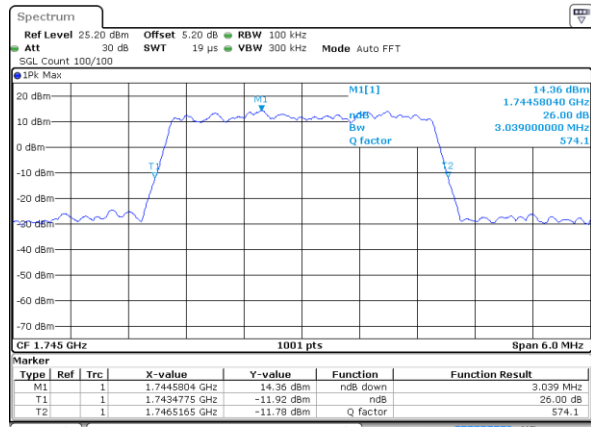
Date: 7 MAY 2019 00:13:40

Middle Channel / 1.4MHz / 64QAM



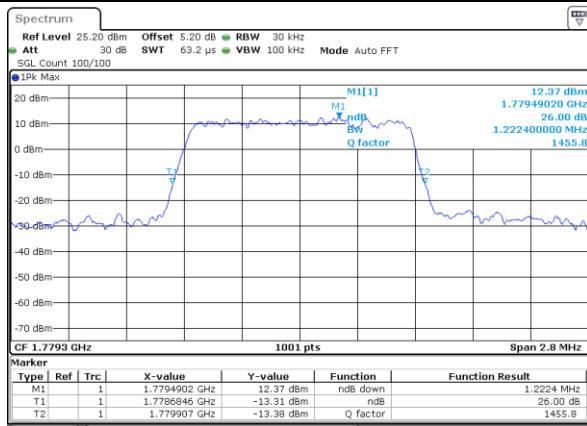
Date: 6 MAY 2019 23:14:26

Middle Channel / 3MHz / 64QAM



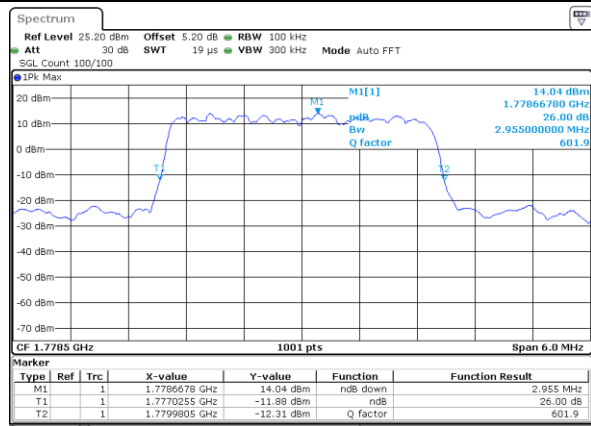
Date: 7 MAY 2019 00:04:36

Highest Channel / 1.4MHz / 64QAM



Date: 6 MAY 2019 23:33:50

Highest Channel / 3MHz / 64QAM

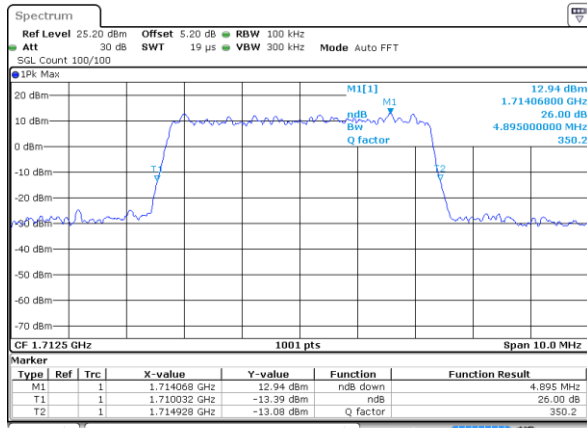


Date: 7 MAY 2019 00:17:52



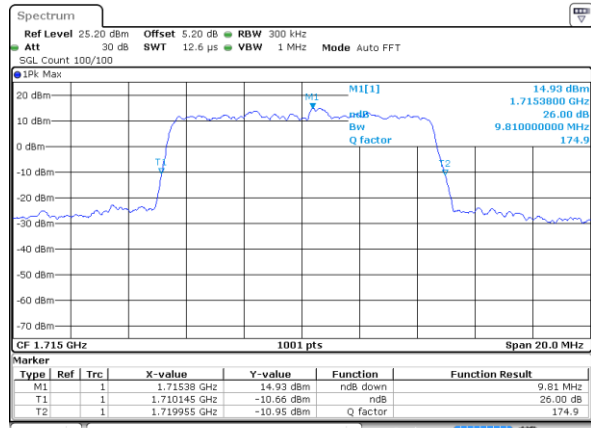
LTE Band 66

Lowest Channel / 5MHz / 64QAM



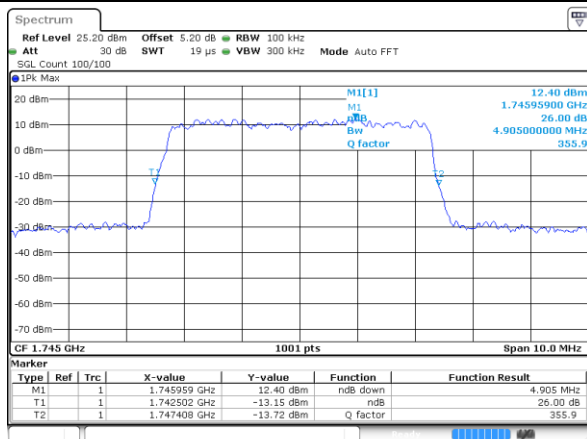
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Lowest Channel / 10MHz / 64QAM



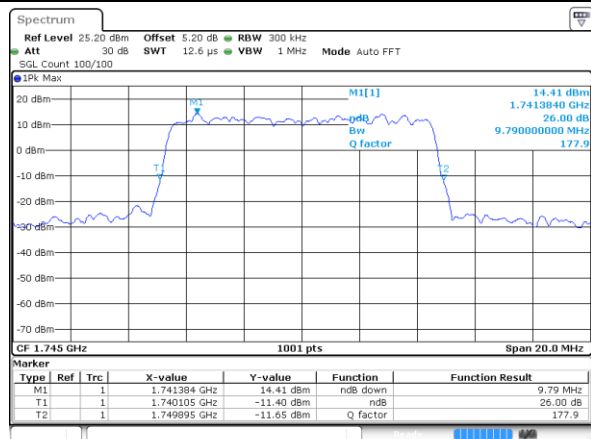
Date: 7 MAY 2019 00:51:14

Middle Channel / 5MHz / 64QAM



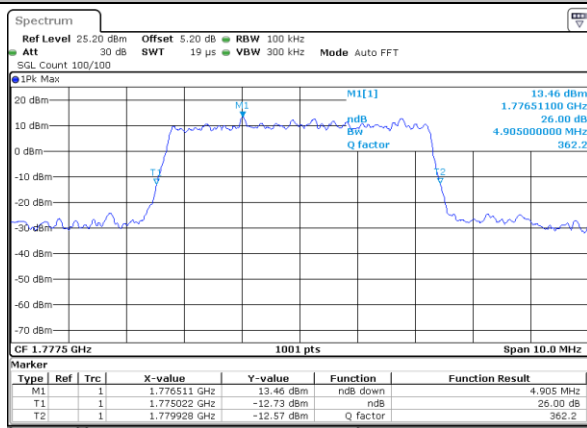
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Middle Channel / 10MHz / 64QAM



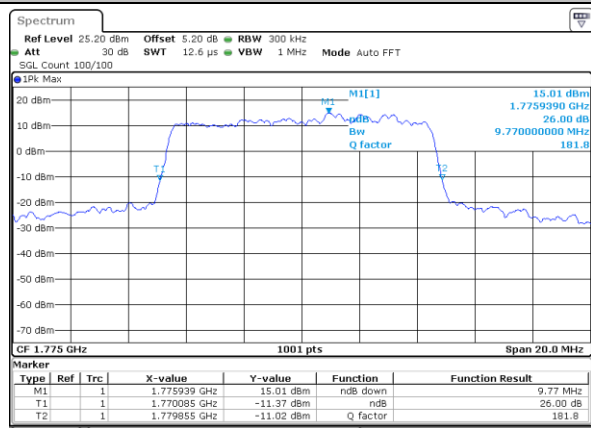
Date: 7 MAY 2019 00:45:01

Highest Channel / 5MHz / 64QAM



Date: 7 MAY 2019 00:38:50

Highest Channel / 10MHz / 64QAM

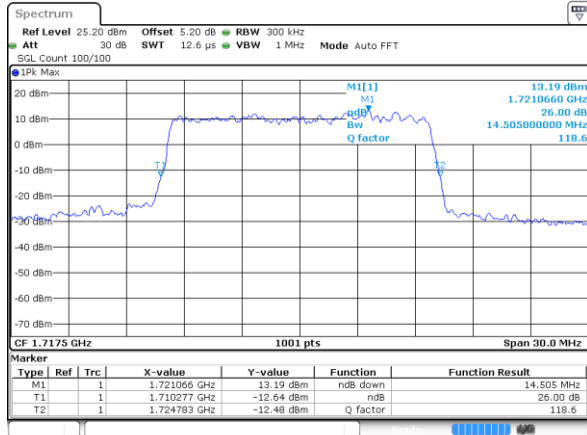


Date: 7 MAY 2019 00:54:56

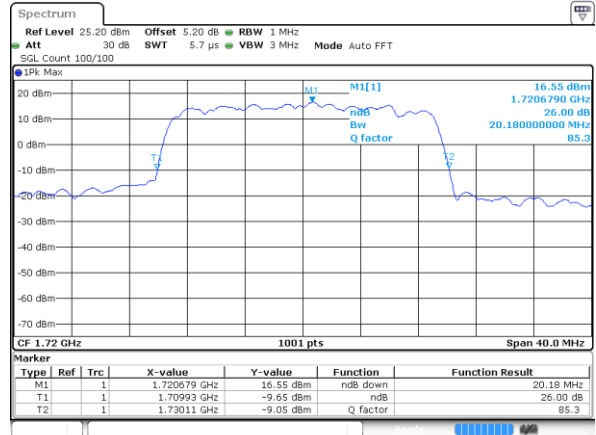


LTE Band 66

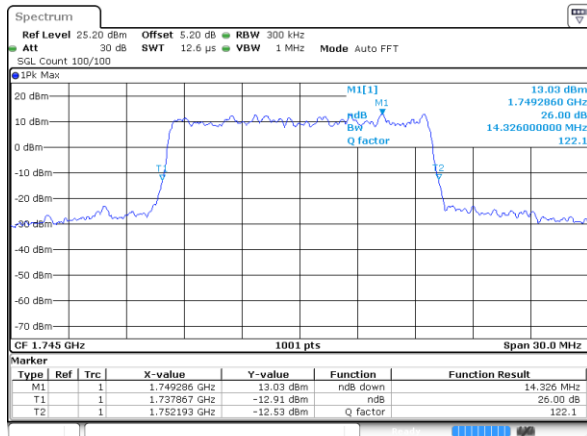
Lowest Channel / 15MHz / 64QAM



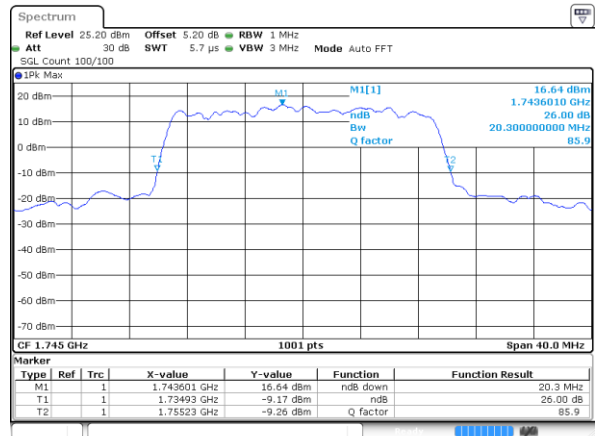
Lowest Channel / 20MHz / 64QAM



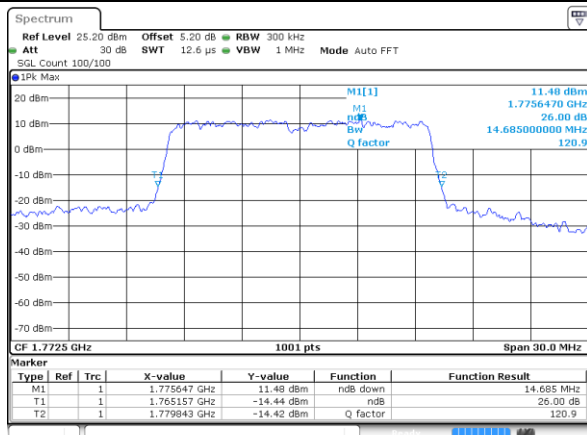
Middle Channel / 15MHz / 64QAM



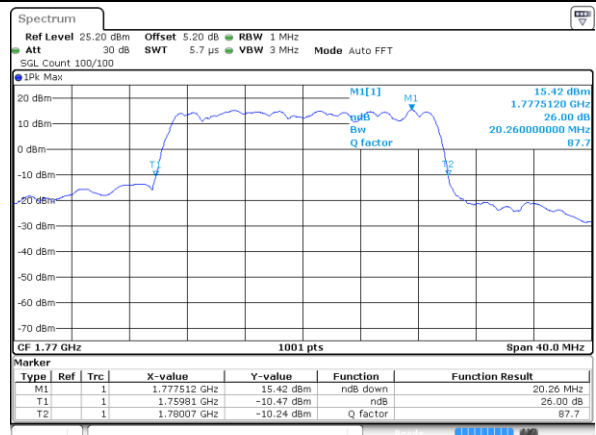
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



Highest Channel / 20MHz / 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	4.50	4.50	9.01	9.01	13.46	13.37	18.26	18.22
Middle CH	1.09	1.09	2.72	2.72	4.49	4.50	9.05	9.01	13.46	13.49	18.38	18.42
Highest CH	1.09	1.09	2.72	2.73	4.51	4.51	9.01	9.05	13.43	13.49	18.26	18.34
Mode	LTE Band 2 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.08		2.73		4.50		9.01		13.49		18.18	
Middle CH	1.09		2.73		4.49		9.03		13.43		18.30	
Highest CH	1.10		2.73		4.49		9.03		13.49		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	1.09	2.71	2.72	4.49	4.48	9.07	8.97				
Middle CH	1.09	1.09	2.72	2.72	4.49	4.49	9.07	8.99				
Highest CH	1.09	1.08	2.74	2.74	4.50	4.50	9.09	8.99				
Mode	LTE Band 5 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz					
Mod.	64QAM		64QAM		64QAM		64QAM					
Lowest CH	1.09		2.72		4.50		9.01		-	-	-	-
Middle CH	1.09		2.72		4.47		9.01		-	-	-	-
Highest CH	1.09		2.74		4.54		9.01		-	-	-	-

Mode	LTE Band 7 : 99%OBW(MHz)											
BW	5MHz		10MHz		15MHz		20MHz		5MHz	10MHz	15MHz	20MHz
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM	64QAM	64QAM
Lowest CH	4.51	4.50	9.03	8.99	13.46	13.49	18.42	18.26	4.50	9.05	13.40	18.46
Middle CH	4.48	4.49	9.01	8.97	13.46	13.40	18.22	18.30	4.49	9.03	13.43	18.38
Highest CH	4.48	4.51	9.05	9.03	13.40	13.40	18.18	18.38	4.49	9.01	13.40	18.34



Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		1.4MHz	3MHz	5MHz	10MHz
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM	64QAM	64QAM
Lowest CH	1.09	1.10	2.73	2.74	4.50	4.51	9.03	8.97	1.09	2.73	4.50	9.01
Middle CH	1.09	1.09	2.72	2.70	4.48	4.49	8.99	8.99	1.09	2.74	4.50	9.01
Highest CH	1.09	1.09	2.72	2.72	4.48	4.48	9.03	9.07	1.09	2.72	4.48	8.99

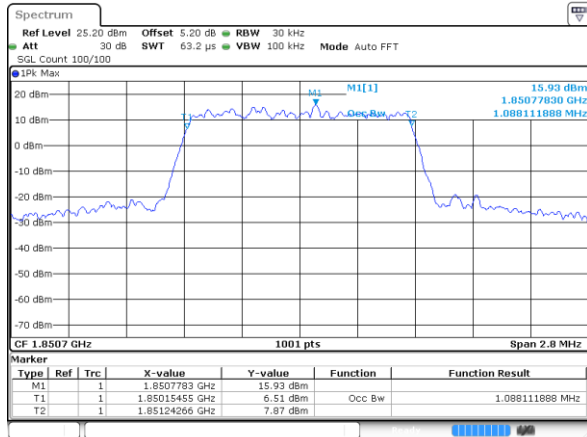
Mode	LTE Band 13 : 99%OBW(MHz)											
BW	5MHz		10MHz		5MHz	10MHz						
Mod.	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM						
Lowest CH	4.51	4.48			4.49							
Middle CH	4.50	4.50	9.01	8.95	4.48	8.99						
Highest CH	4.51	4.49			4.50							

Mode	LTE Band 66 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.70	2.72	4.47	4.50	9.11	9.05	13.40	13.46	18.14	18.38
Middle CH	1.09	1.08	2.71	2.72	4.51	4.50	8.99	9.03	13.43	13.49	18.42	18.38
Highest CH	1.09	1.09	2.72	2.73	4.49	4.49	9.05	9.01	13.46	13.46	18.30	18.38
Mode	LTE Band 66: 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.08		2.72		4.49		8.99		13.34		18.30	
Middle CH	1.09		2.72		4.49		8.99		13.40		18.38	
Highest CH	1.09		2.72		4.50		8.99		13.40		18.54	

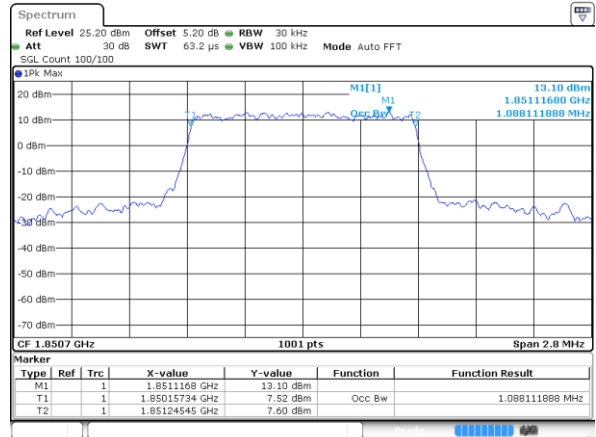


LTE Band 2

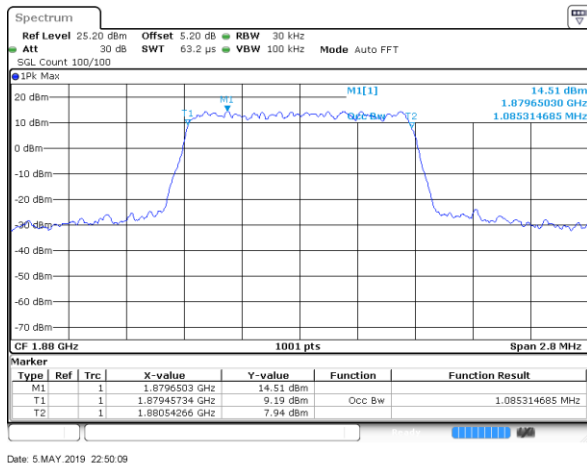
Lowest Channel / 1.4MHz / QPSK



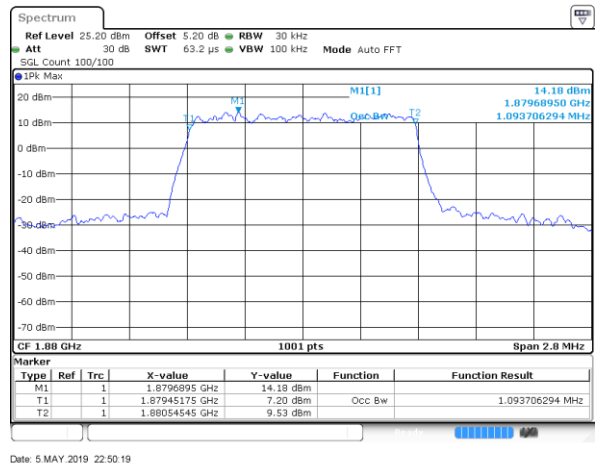
Lowest Channel / 1.4MHz / 16QAM



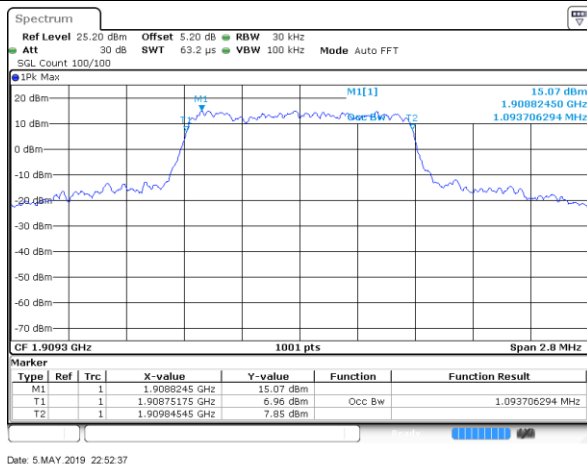
Middle Channel / 1.4MHz / QPSK



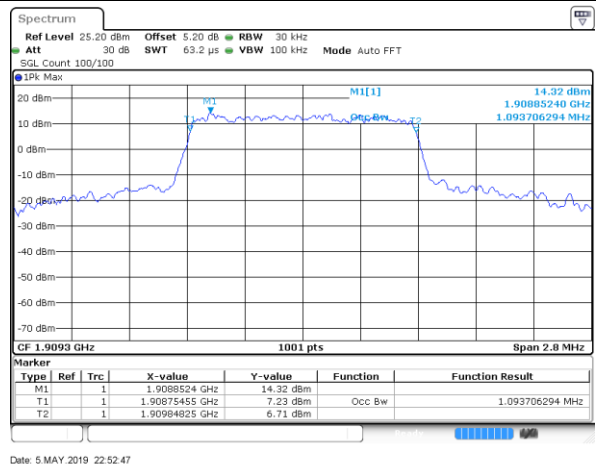
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



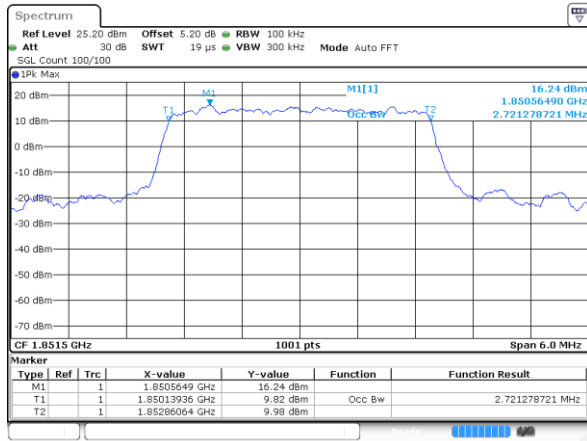
Highest Channel / 1.4MHz / 16QAM





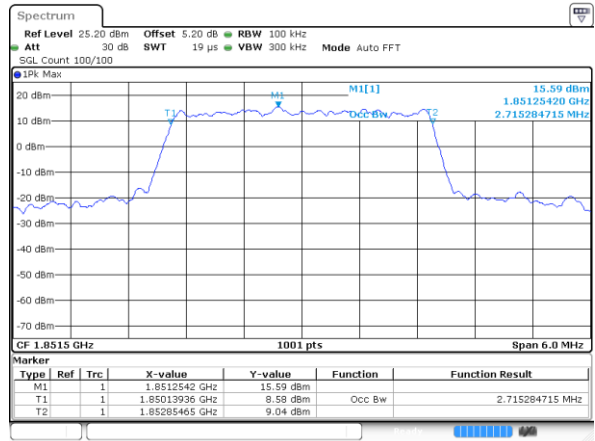
LTE Band 2

Lowest Channel / 3MHz / QPSK



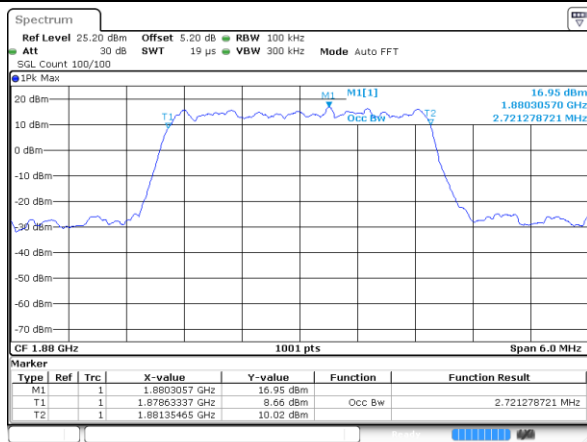
Date: 5 MAY 2019 22:59:41

Lowest Channel / 3MHz / 16QAM



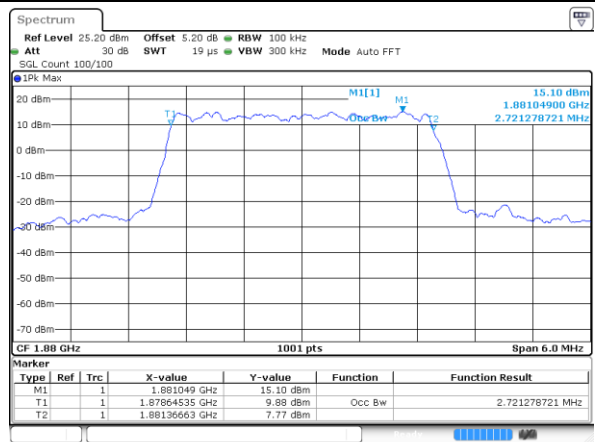
Date: 5 MAY 2019 22:59:51

Middle Channel / 3MHz / QPSK



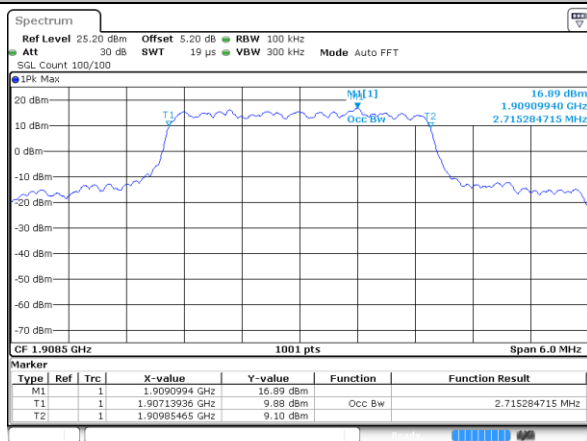
Date: 5 MAY 2019 23:06:45

Middle Channel / 3MHz / 16QAM



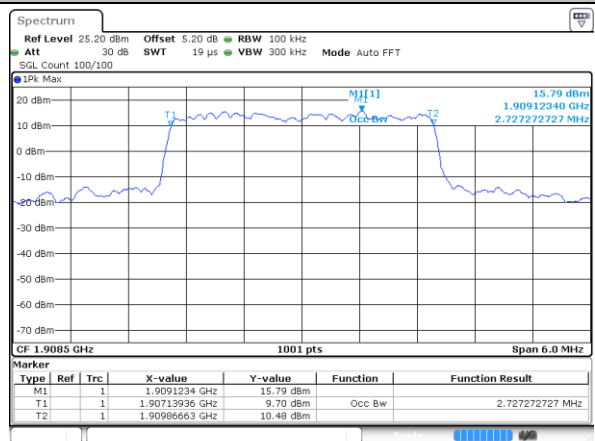
Date: 5 MAY 2019 23:06:55

Highest Channel / 3MHz / QPSK



Date: 5 MAY 2019 23:09:13

Highest Channel / 3MHz / 16QAM

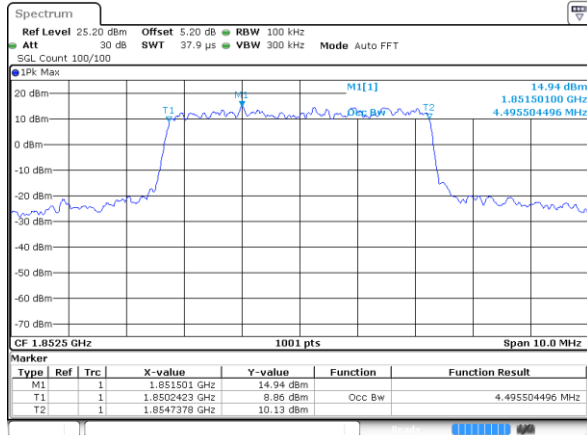


Date: 5 MAY 2019 23:09:23

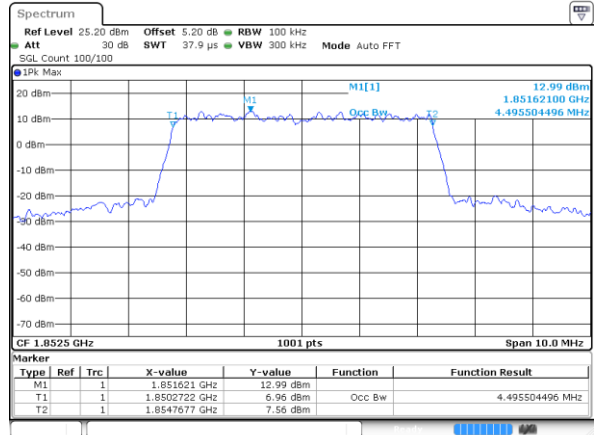


LTE Band 2

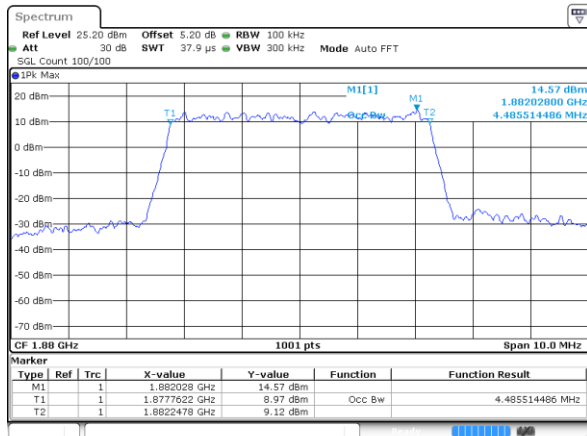
Lowest Channel / 5MHz / QPSK



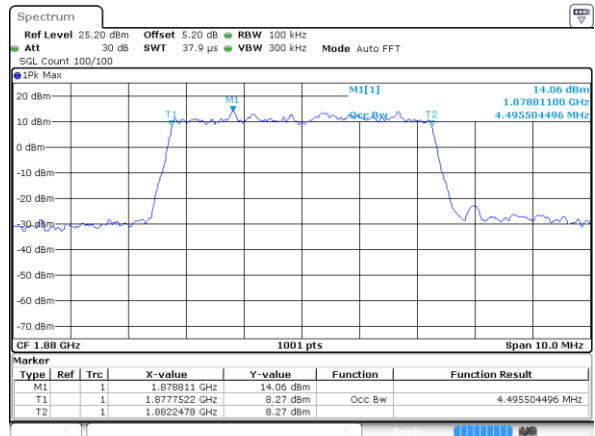
Lowest Channel / 5MHz / 16QAM



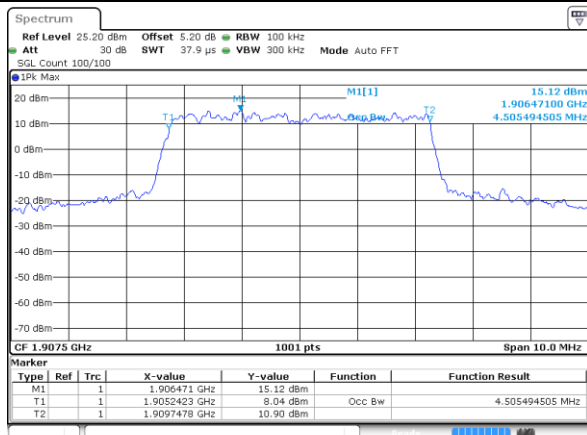
Middle Channel / 5MHz / QPSK



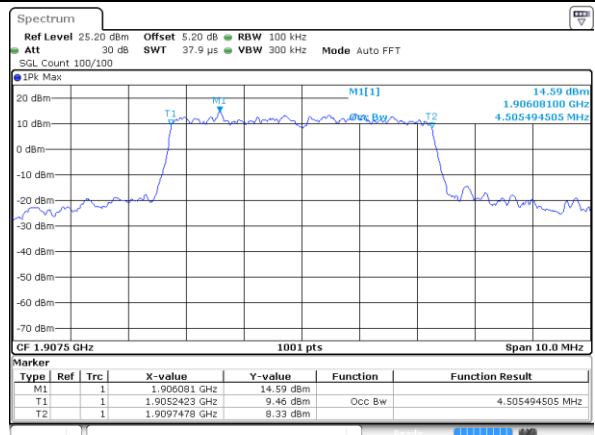
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



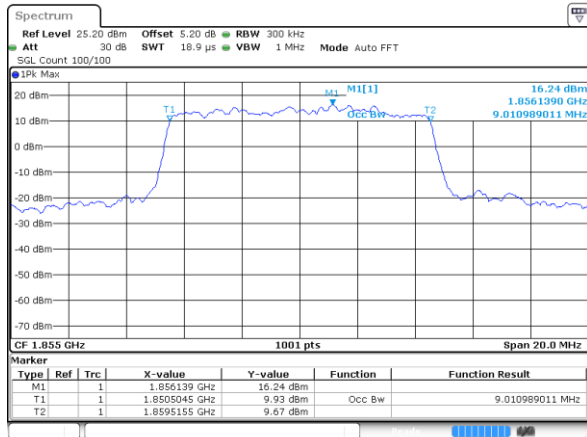
Highest Channel / 5MHz / 16QAM





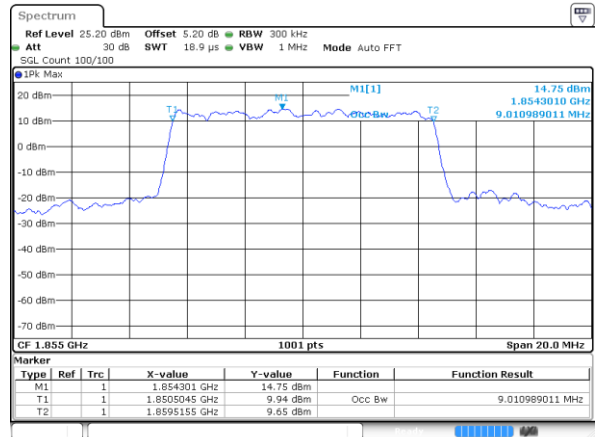
LTE Band 2

Lowest Channel / 10MHz / QPSK



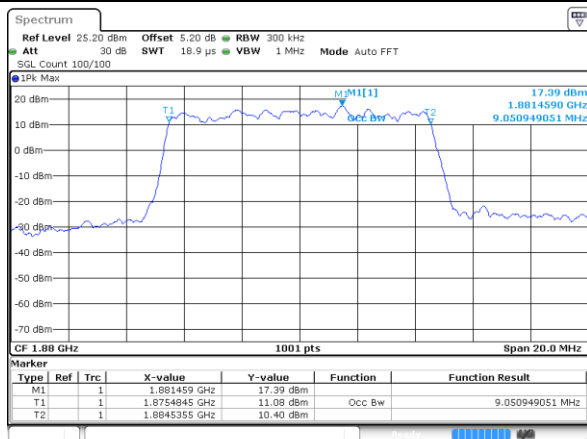
Date: 5 MAY 2019 23:32:51

Lowest Channel / 10MHz / 16QAM



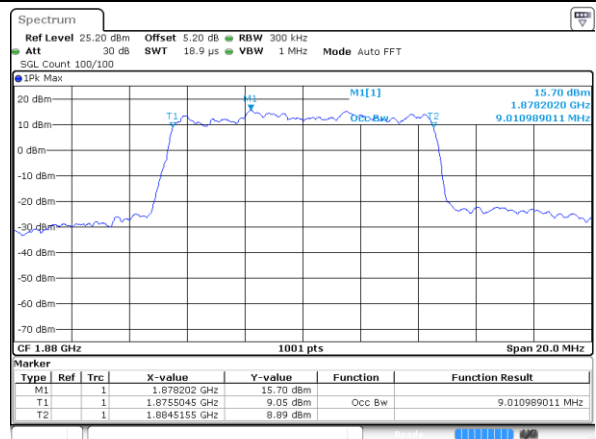
Date: 5 MAY 2019 23:33:01

Middle Channel / 10MHz / QPSK



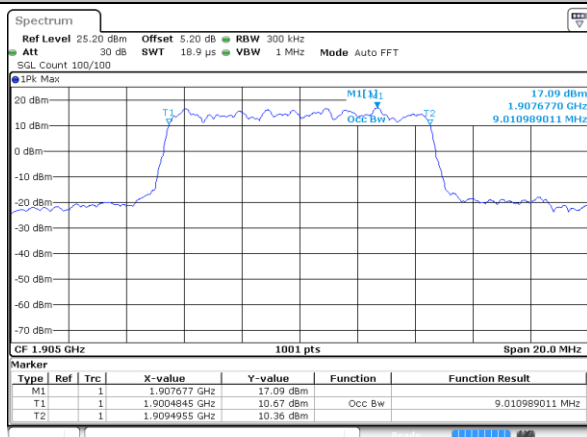
Date: 5 MAY 2019 23:39:55

Middle Channel / 10MHz / 16QAM



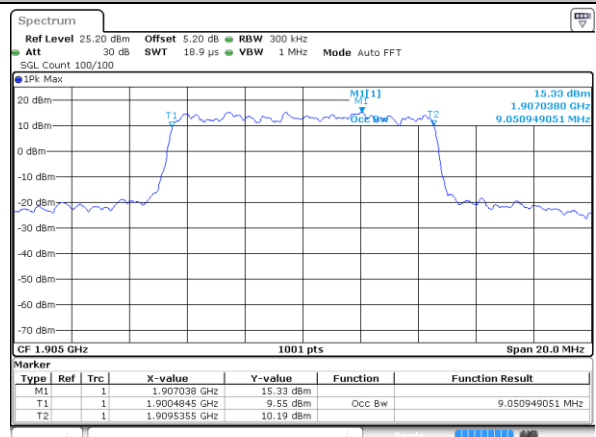
Date: 5 MAY 2019 23:40:05

Highest Channel / 10MHz / QPSK



Date: 5 MAY 2019 23:42:23

Highest Channel / 10MHz / 16QAM

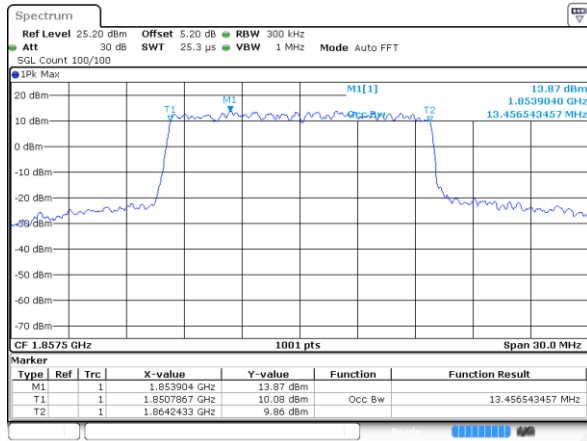


Date: 5 MAY 2019 23:42:33



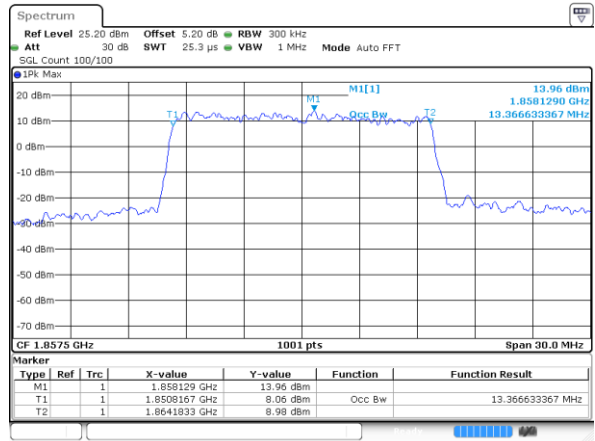
LTE Band 2

Lowest Channel / 15MHz / QPSK



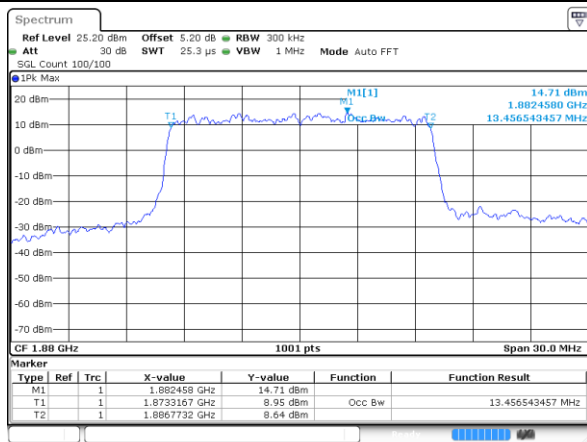
Date: 5 MAY 2019 23:49:27

Lowest Channel / 15MHz / 16QAM



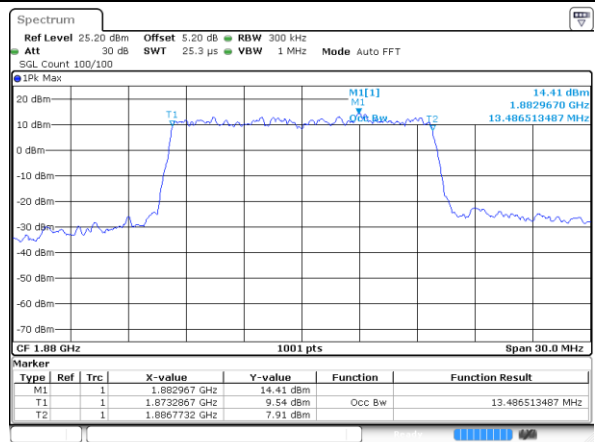
Date: 5 MAY 2019 23:49:37

Middle Channel / 15MHz / QPSK



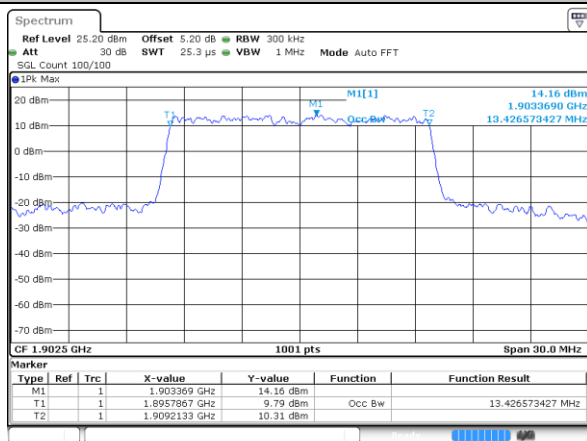
Date: 5 MAY 2019 23:56:30

Middle Channel / 15MHz / 16QAM



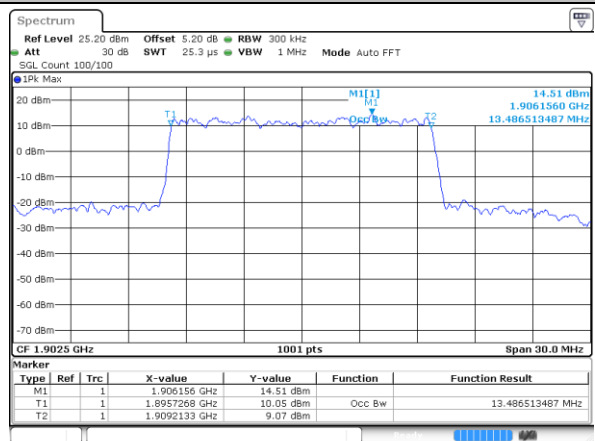
Date: 5 MAY 2019 23:56:40

Highest Channel / 15MHz / QPSK



Date: 5 MAY 2019 23:58:59

Highest Channel / 15MHz / 16QAM

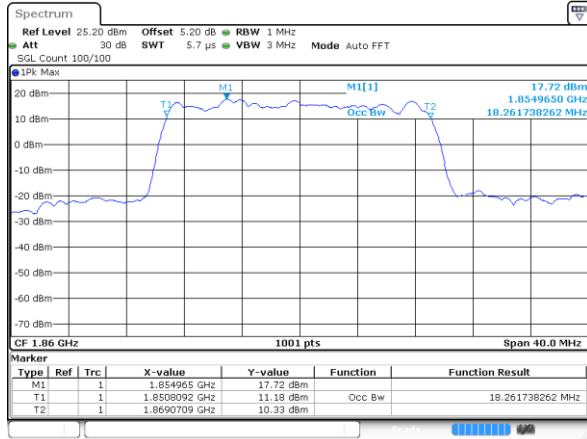


Date: 5 MAY 2019 23:59:09

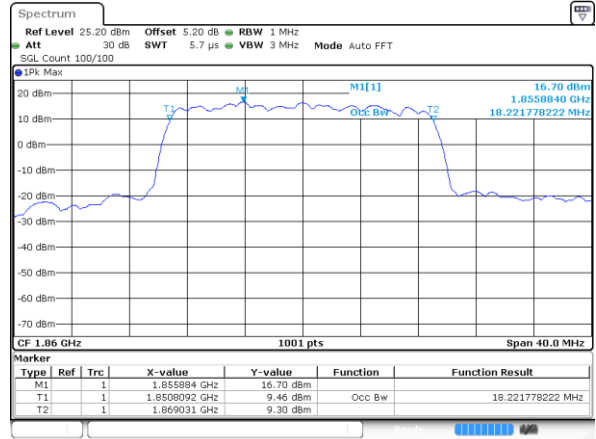


LTE Band 2

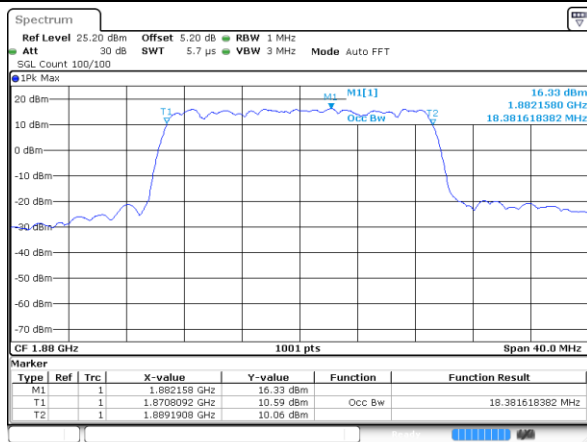
Lowest Channel / 20MHz / QPSK



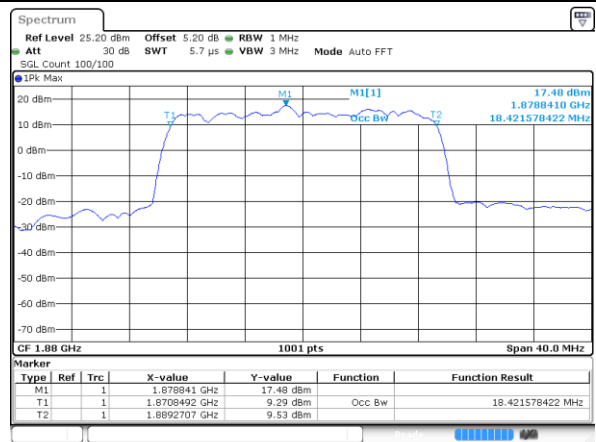
Lowest Channel / 20MHz / 16QAM



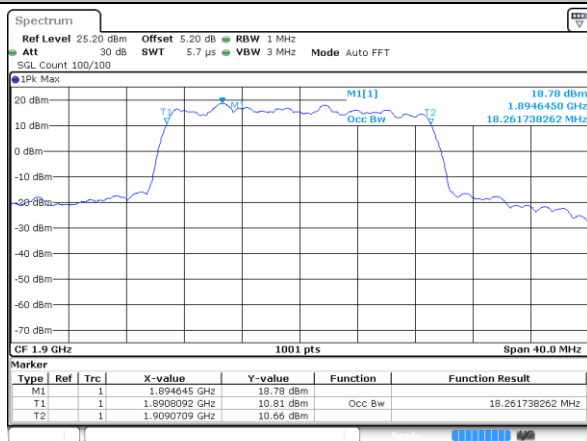
Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM

