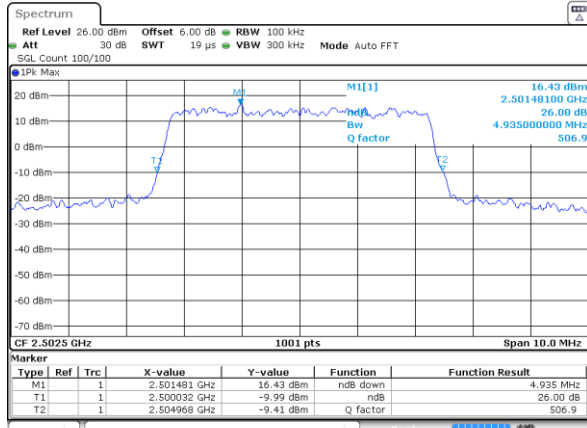




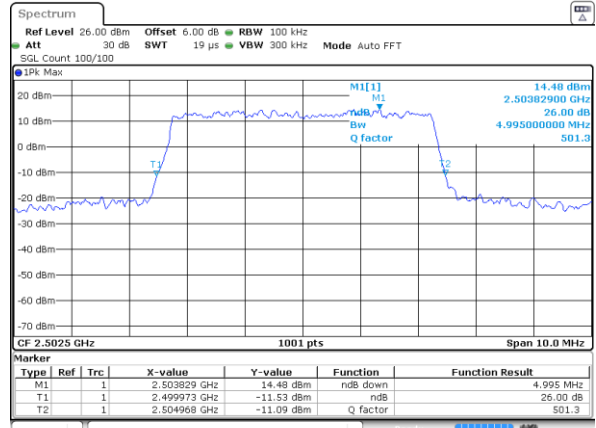
LTE Band 7

Lowest Channel / 5MHz / QPSK



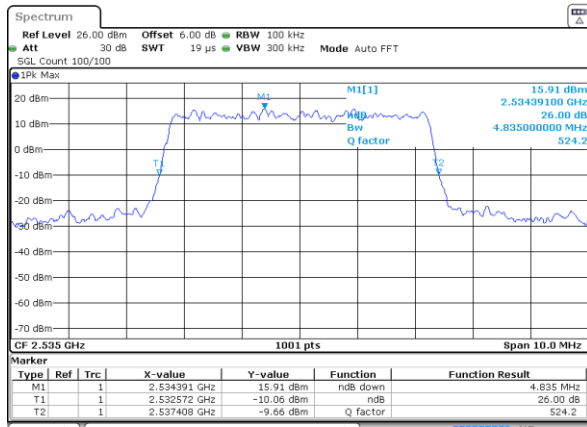
Date: 20 JUN 2019 19:30:14

Lowest Channel / 5MHz / 16QAM



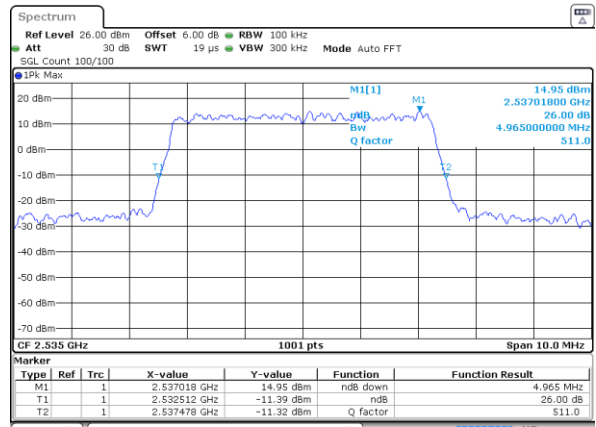
Date: 20 JUN 2019 19:30:34

Middle Channel / 5MHz / QPSK



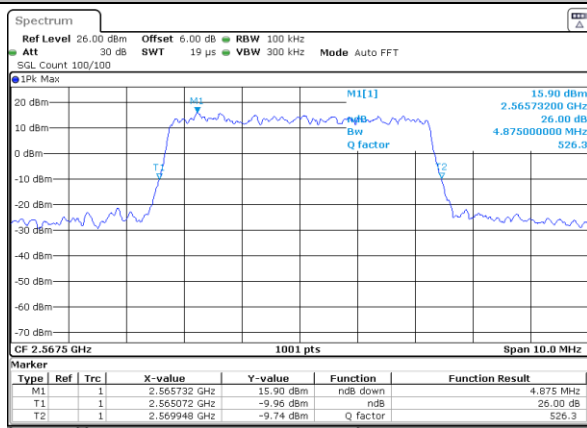
Date: 20 JUN 2019 19:31:14

Middle Channel / 5MHz / 16QAM



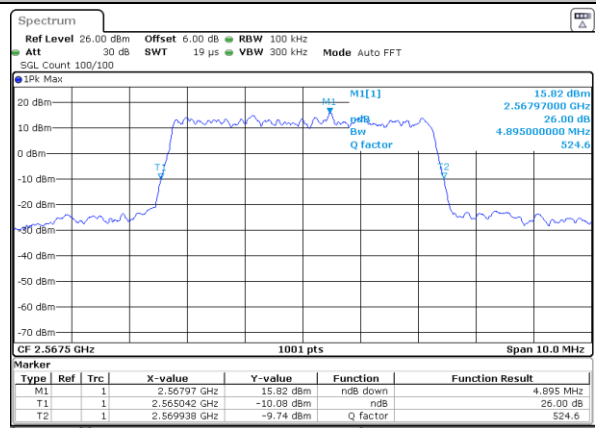
Date: 20 JUN 2019 19:30:54

Highest Channel / 5MHz / QPSK



Date: 20 JUN 2019 19:31:34

Highest Channel / 5MHz / 16QAM

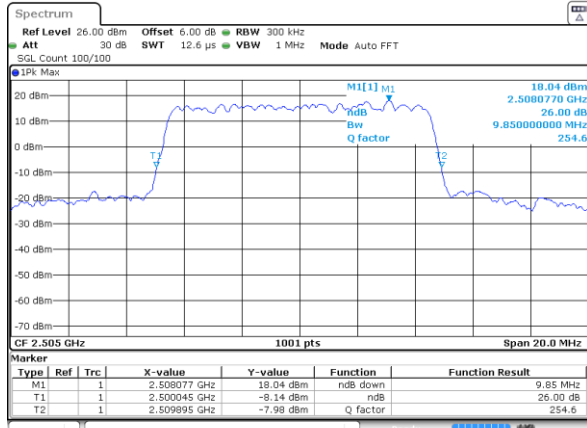


Date: 20 JUN 2019 19:31:54



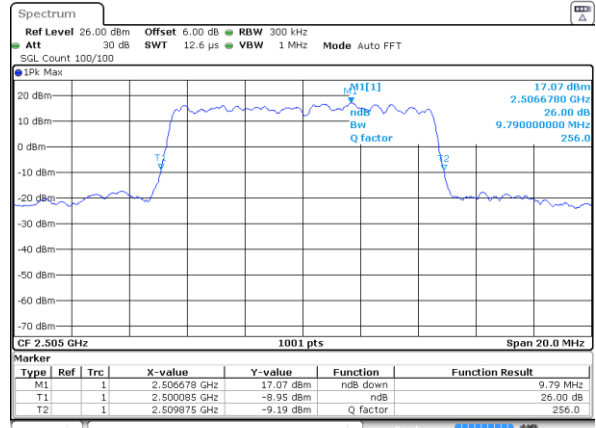
LTE Band 7

Lowest Channel / 10MHz / QPSK



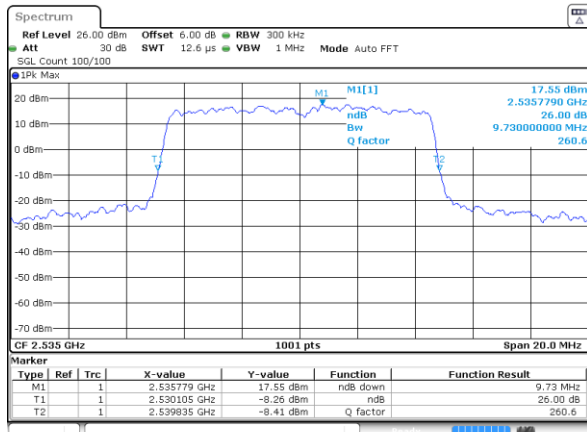
Date: 20 JUN 2019 19:46:45

Lowest Channel / 10MHz / 16QAM



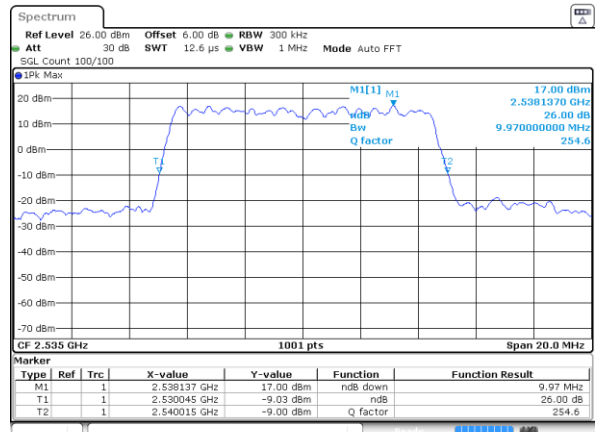
Date: 20 JUN 2019 19:47:05

Middle Channel / 10MHz / QPSK



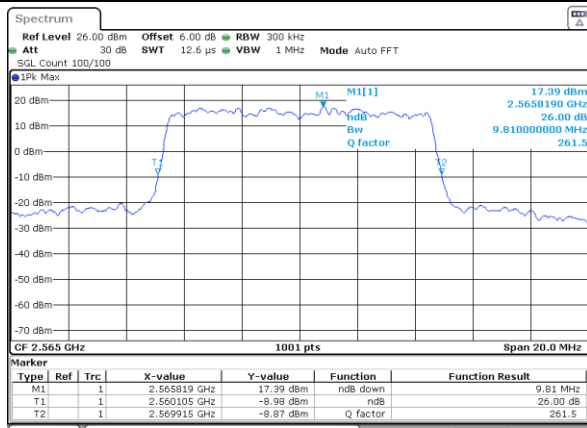
Date: 20 JUN 2019 19:47:45

Middle Channel / 10MHz / 16QAM



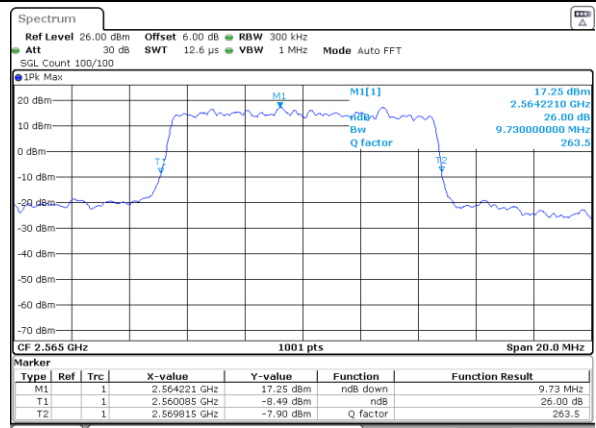
Date: 20 JUN 2019 19:47:25

Highest Channel / 10MHz / QPSK



Date: 20 JUN 2019 19:48:06

Highest Channel / 10MHz / 16QAM

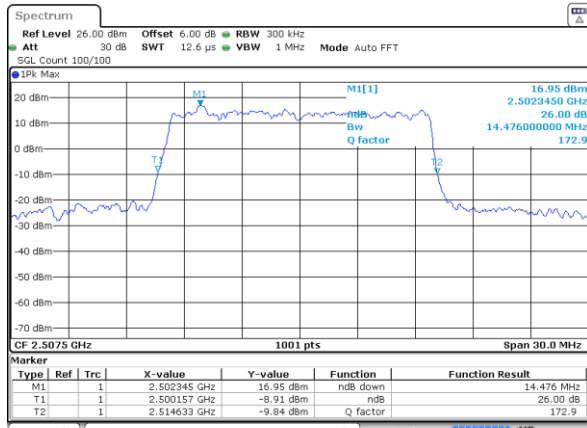


Date: 20 JUN 2019 19:48:26



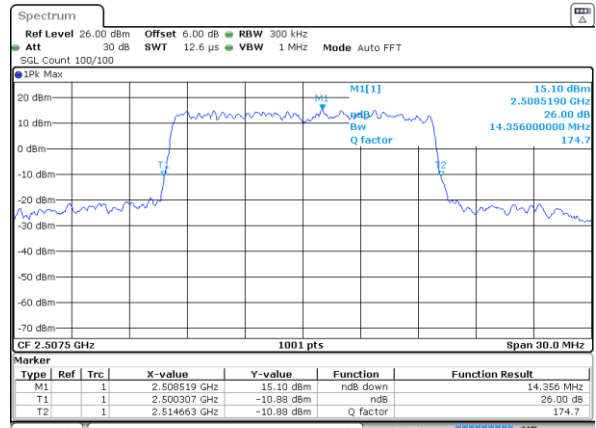
LTE Band 7

Lowest Channel / 15MHz / QPSK



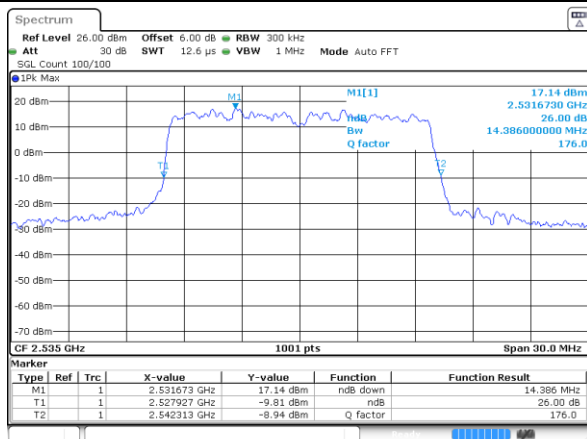
Date: 20 JUN 2019 20:03:35

Lowest Channel / 15MHz / 16QAM



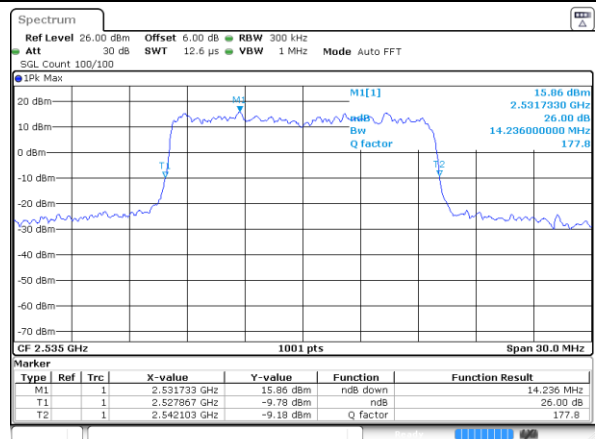
Date: 20 JUN 2019 20:03:15

Middle Channel / 15MHz / QPSK



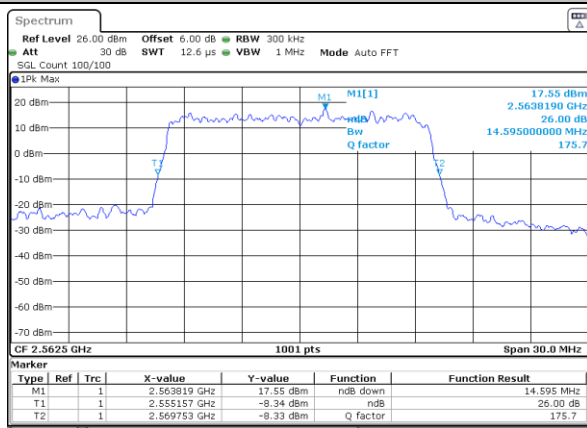
Date: 20 JUN 2019 20:03:55

Middle Channel / 15MHz / 16QAM



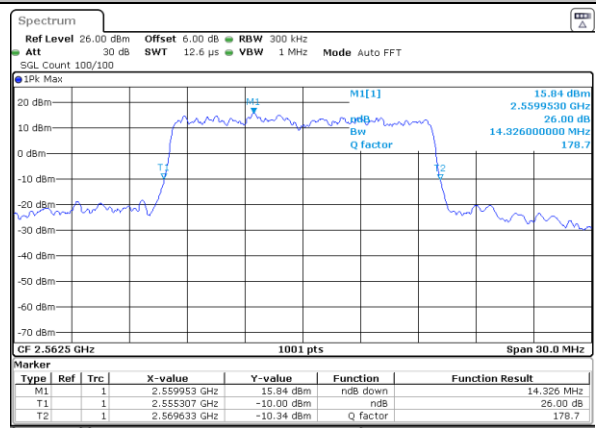
Date: 20 JUN 2019 20:04:15

Highest Channel / 15MHz / QPSK



Date: 20 JUN 2019 20:04:55

Highest Channel / 15MHz / 16QAM

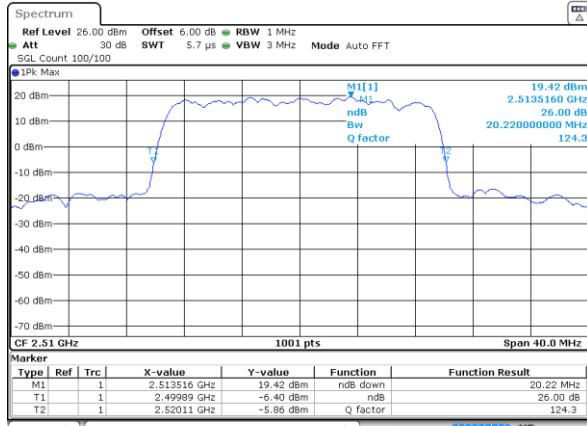


Date: 20 JUN 2019 20:04:35

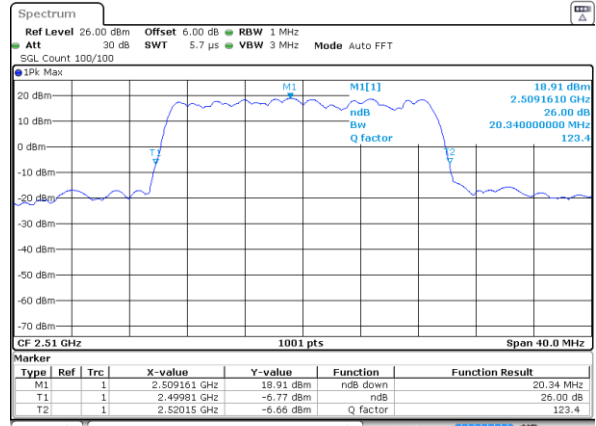


LTE Band 7

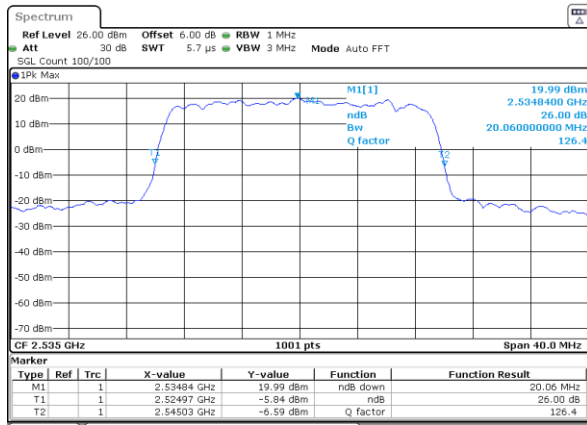
Lowest Channel / 20MHz / QPSK



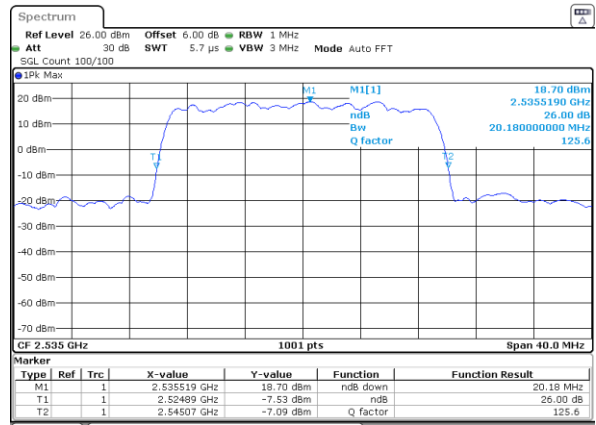
Lowest Channel / 20MHz / 16QAM



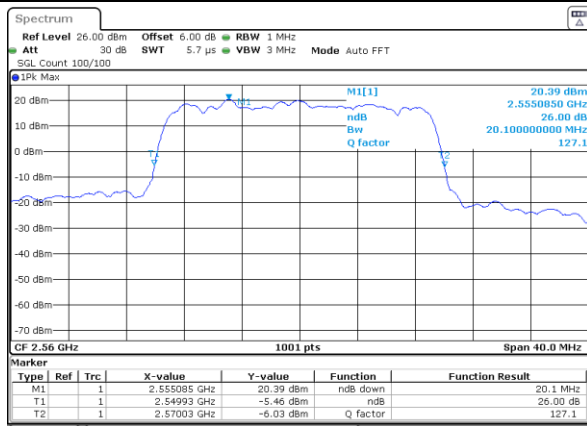
Middle Channel / 20MHz / QPSK



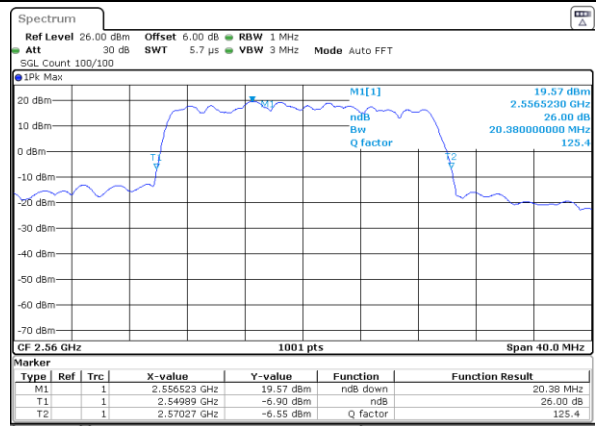
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



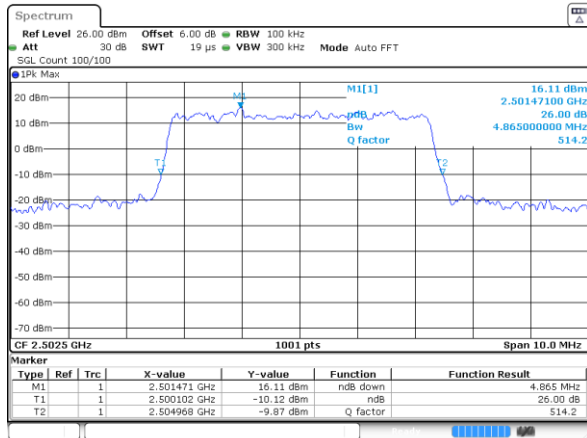
Highest Channel / 20MHz / 16QAM





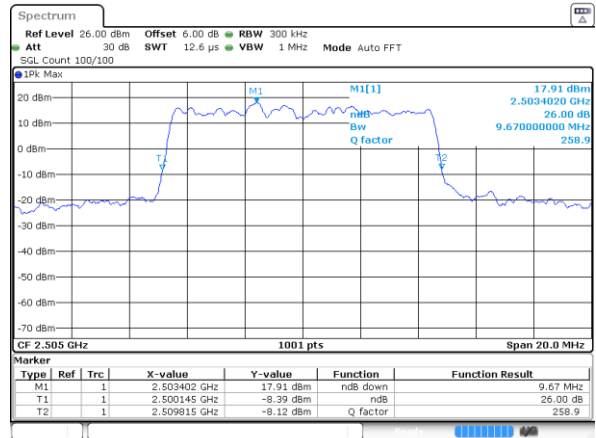
LTE Band 7

Lowest Channel / 5MHz / 64QAM



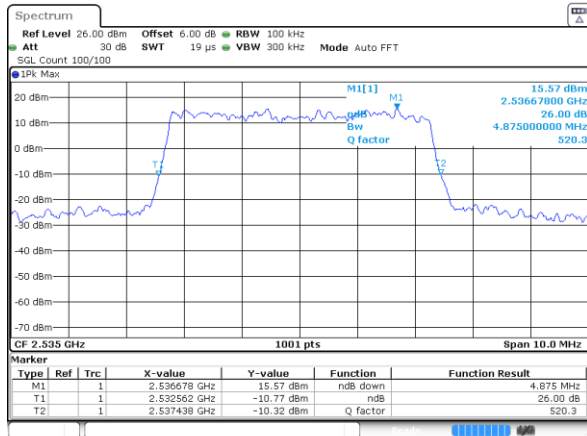
Date: 20 JUN 2019 20:36:38

Lowest Channel / 10MHz / 64QAM



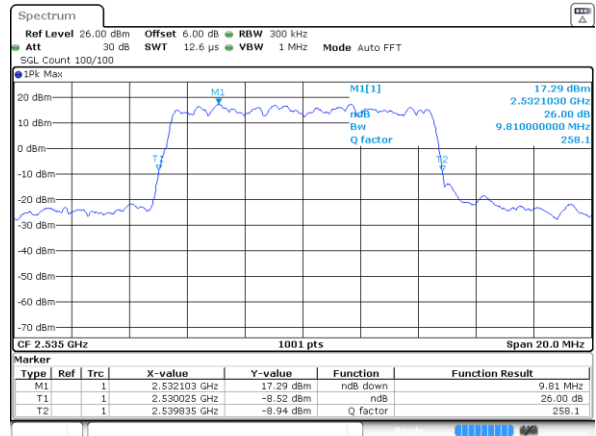
Date: 20 JUN 2019 20:44:54

Middle Channel / 5MHz / 64QAM



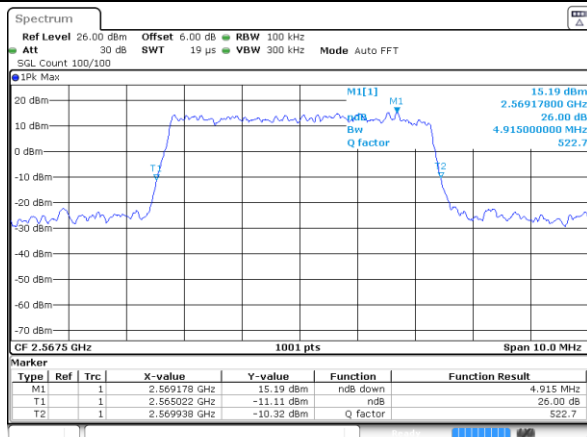
Date: 20 JUN 2019 20:36:48

Middle Channel / 10MHz / 64QAM



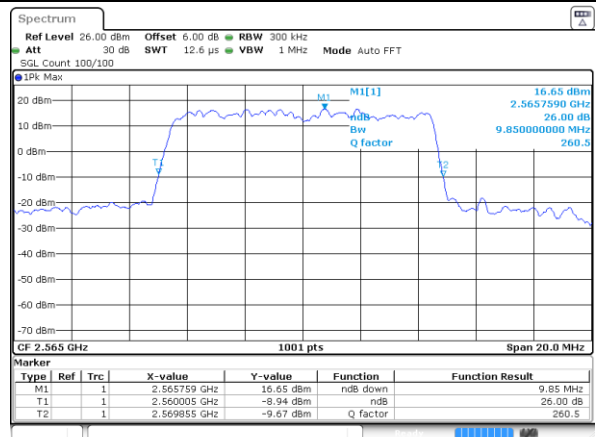
Date: 20 JUN 2019 20:45:04

Highest Channel / 5MHz / 64QAM



Date: 20 JUN 2019 20:36:58

Highest Channel / 10MHz / 64QAM

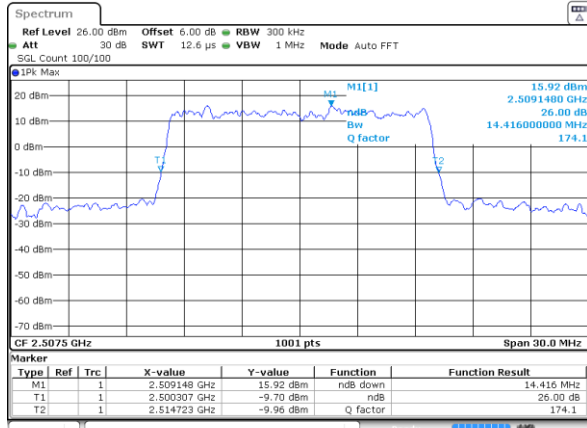


Date: 20 JUN 2019 20:45:14



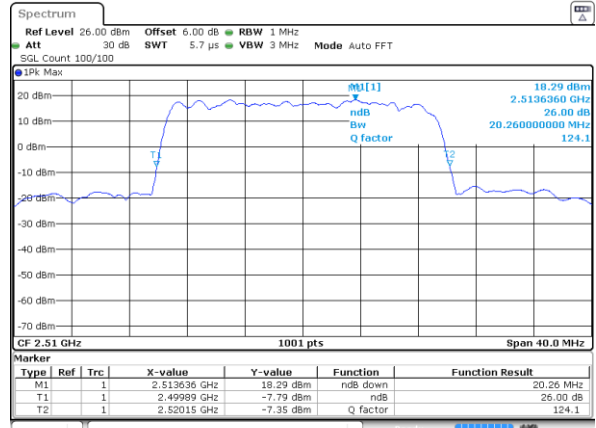
LTE Band 7

Lowest Channel / 15MHz / 64QAM



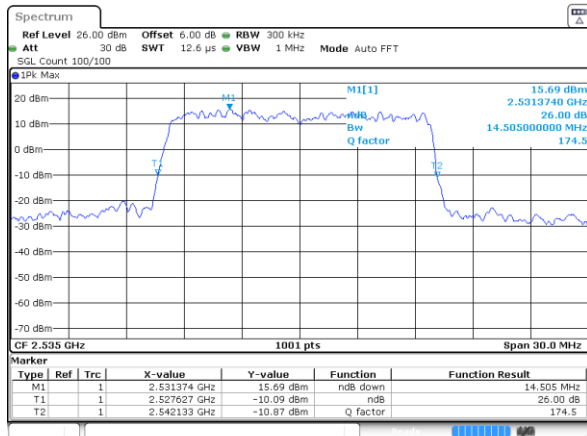
Date: 20 JUN 2019 20:53:09

Lowest Channel / 20MHz / 64QAM



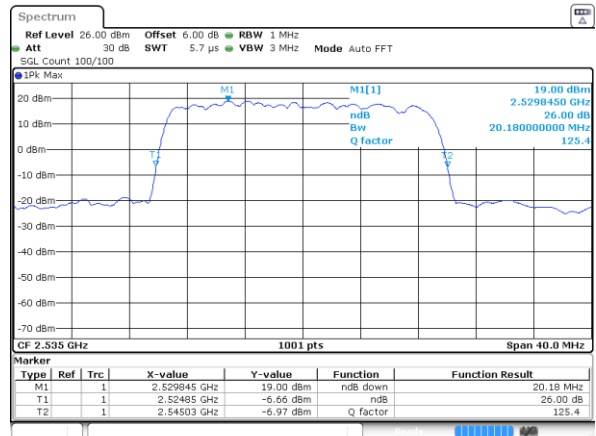
Date: 20 JUN 2019 21:01:25

Middle Channel / 15MHz / 64QAM



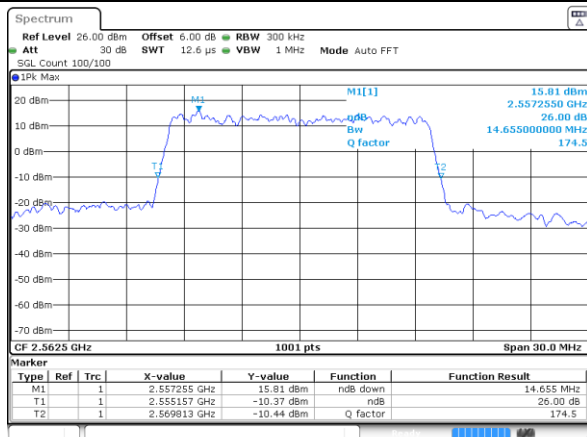
Date: 20 JUN 2019 20:53:19

Middle Channel / 20MHz / 64QAM



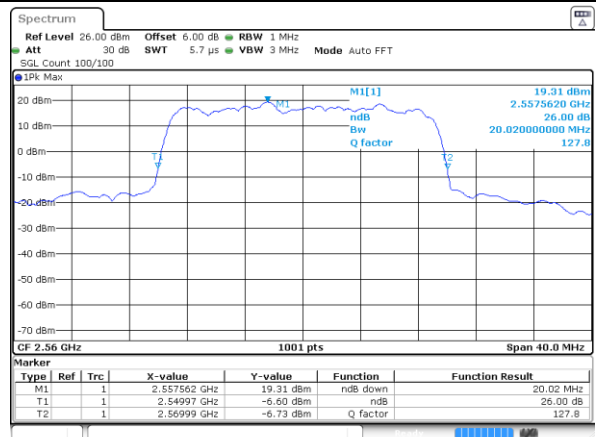
Date: 20 JUN 2019 21:01:35

Highest Channel / 15MHz / 64QAM



Date: 20 JUN 2019 20:53:29

Highest Channel / 20MHz / 64QAM

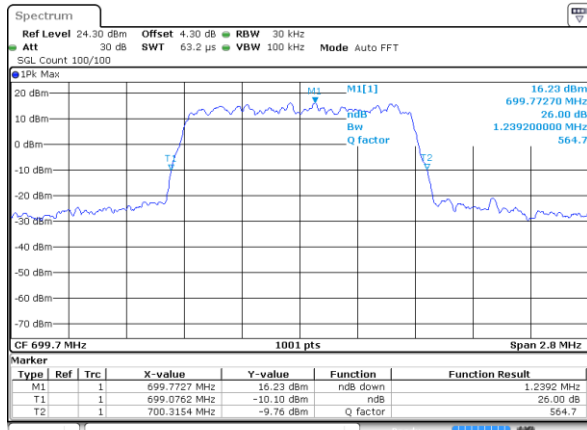


Date: 20 JUN 2019 21:01:45



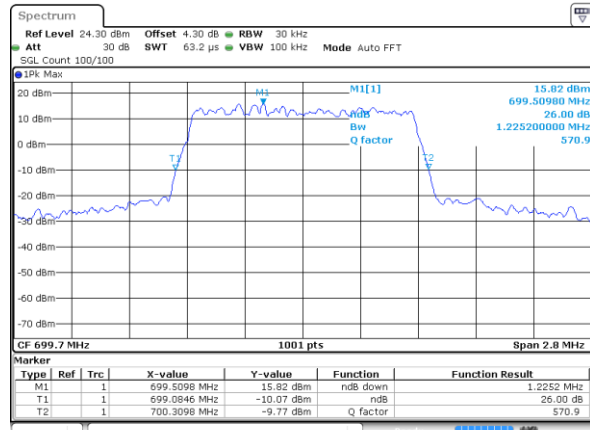
LTE Band 12

Lowest Channel / 1.4MHz / QPSK



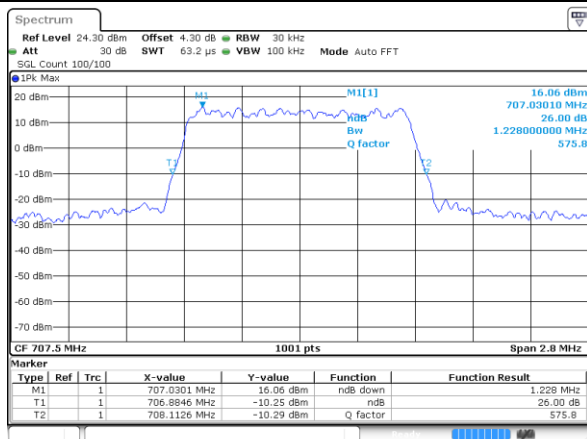
Date: 8 JUN 2019 04:54:05

Lowest Channel / 1.4MHz / 16QAM



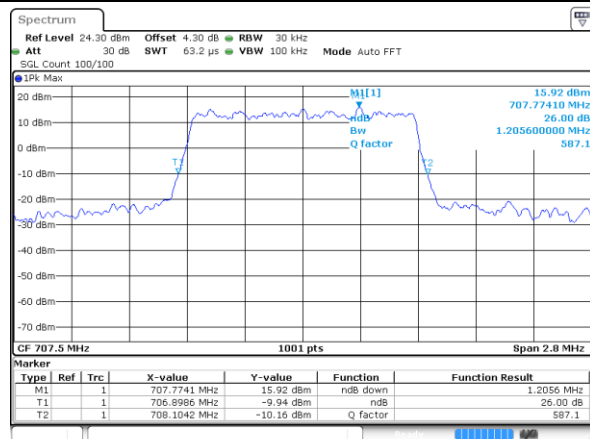
Date: 8 JUN 2019 04:53:55

Middle Channel / 1.4MHz / QPSK



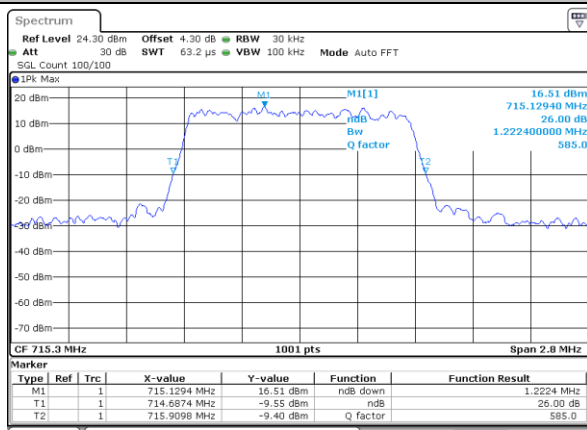
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Middle Channel / 1.4MHz / 16QAM



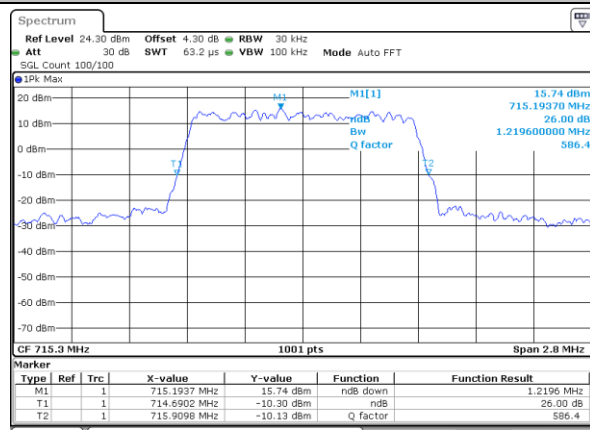
Date: 8 JUN 2019 04:53:46

Highest Channel / 1.4MHz / QPSK



Date: 8 JUN 2019 04:53:26

Highest Channel / 1.4MHz / 16QAM

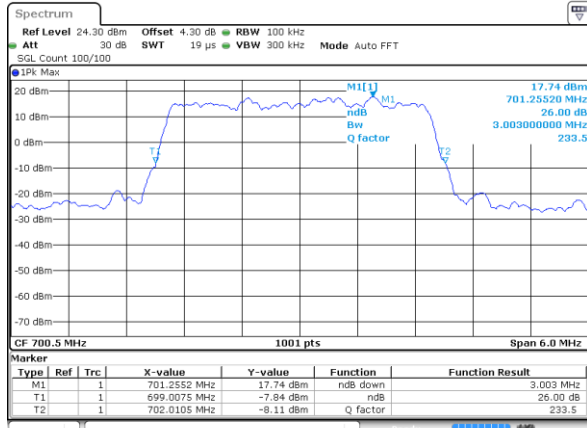


Date: 8 JUN 2019 04:53:16

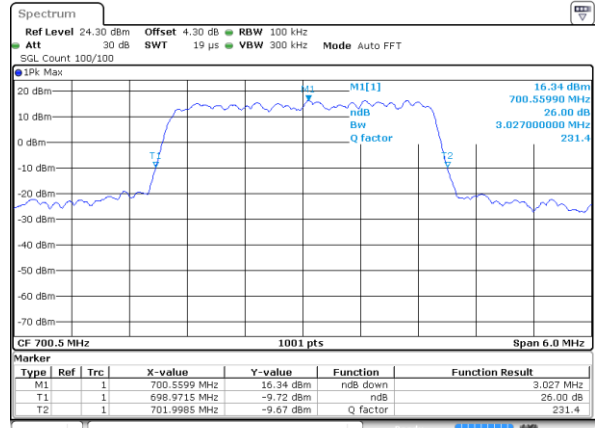


LTE Band 12

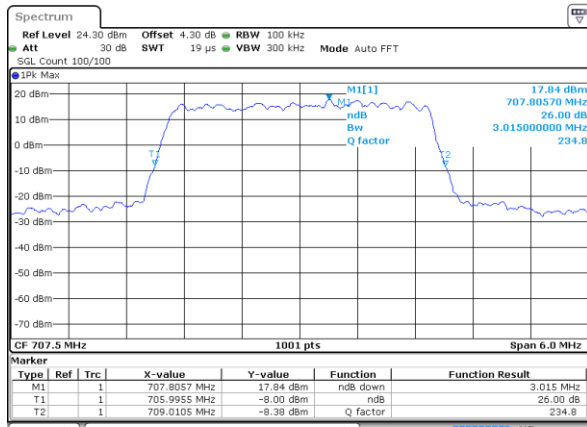
Lowest Channel / 3MHz / QPSK



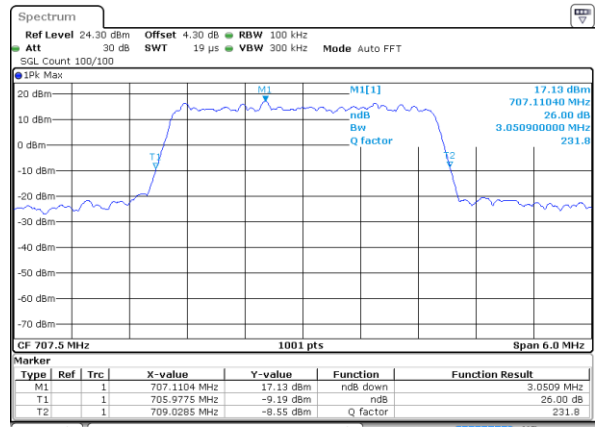
Lowest Channel / 3MHz / 16QAM



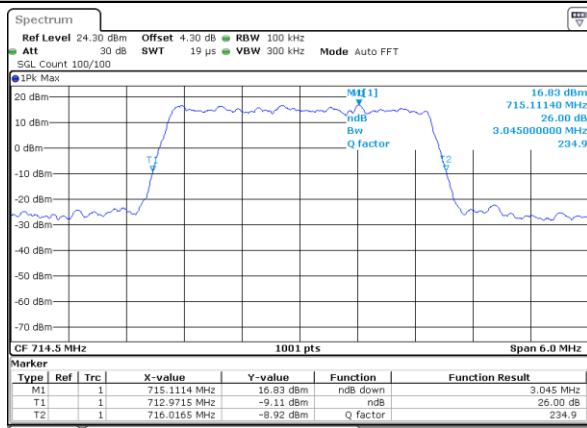
Middle Channel / 3MHz / QPSK



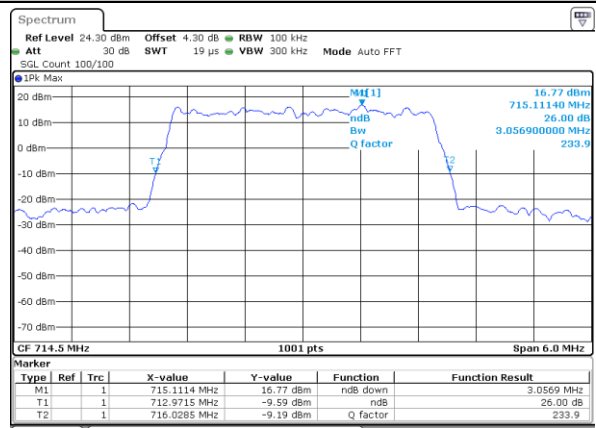
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



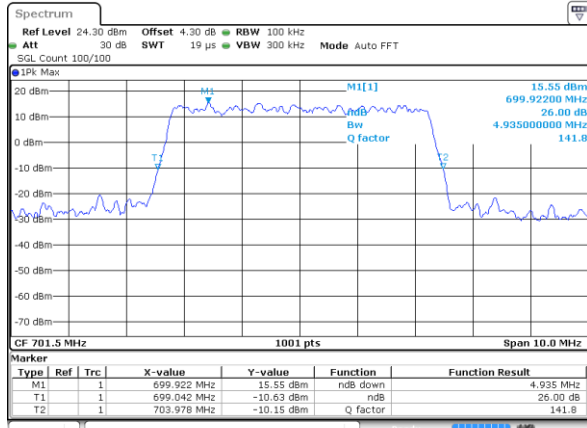
Highest Channel / 3MHz / 16QAM



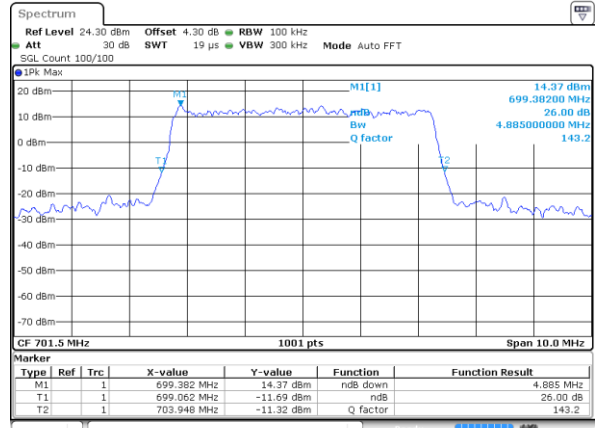


LTE Band 12

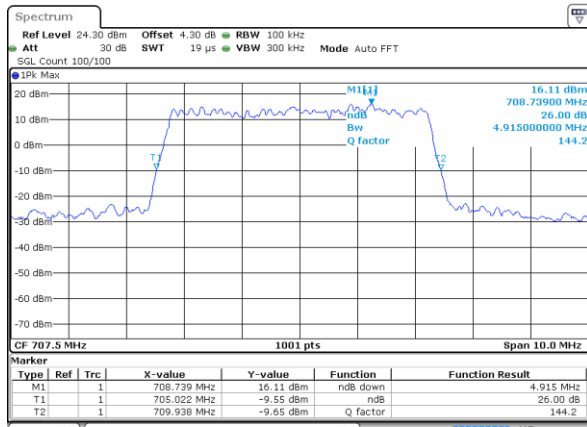
Lowest Channel / 5MHz / QPSK



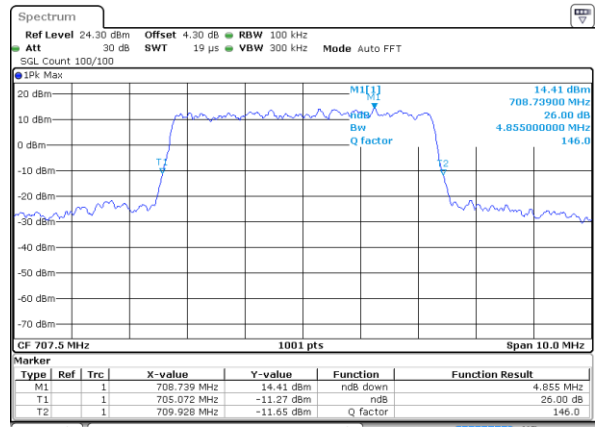
Lowest Channel / 5MHz / 16QAM



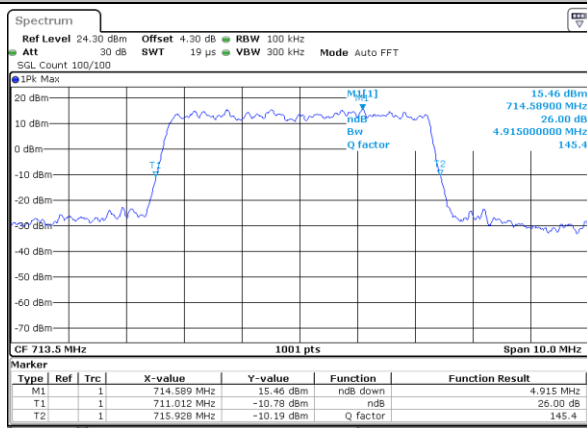
Middle Channel / 5MHz / QPSK



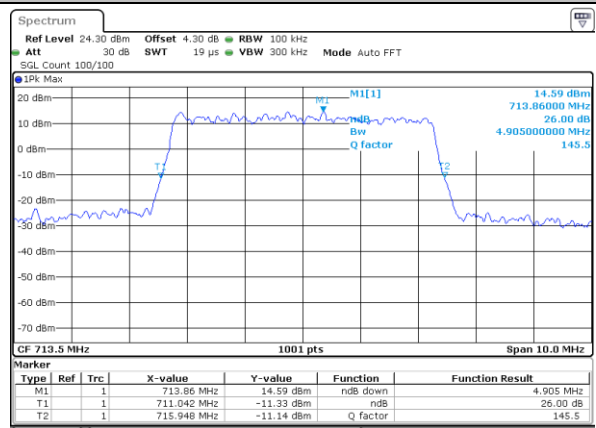
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



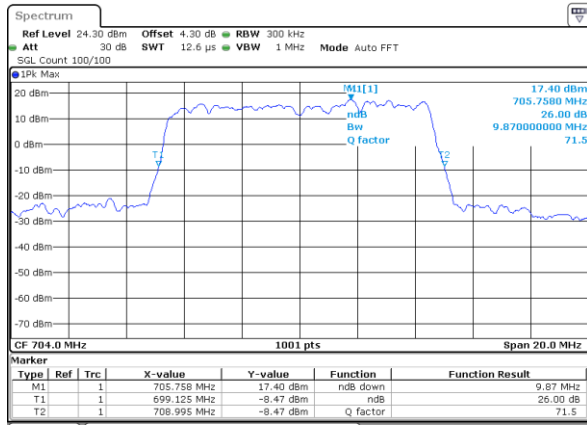
Highest Channel / 5MHz / 16QAM





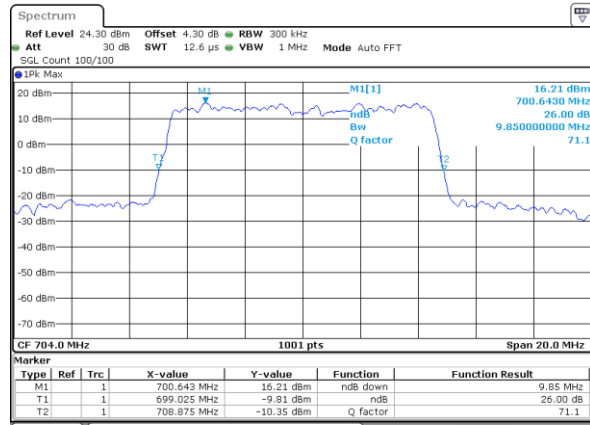
LTE Band 12

Lowest Channel / 10MHz / QPSK



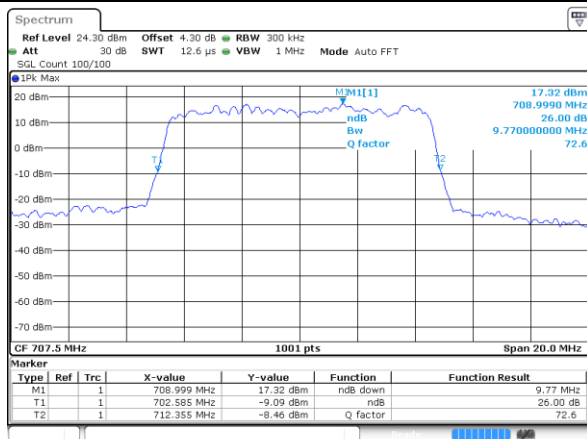
Date: 8 JUN 2019 05:43:19

Lowest Channel / 10MHz / 16QAM



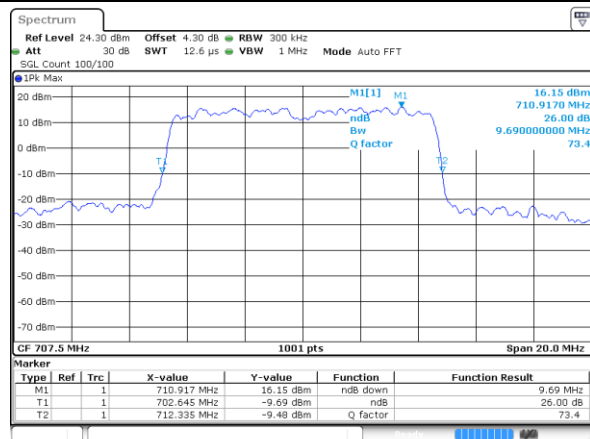
Date: 8 JUN 2019 05:43:09

Middle Channel / 10MHz / QPSK



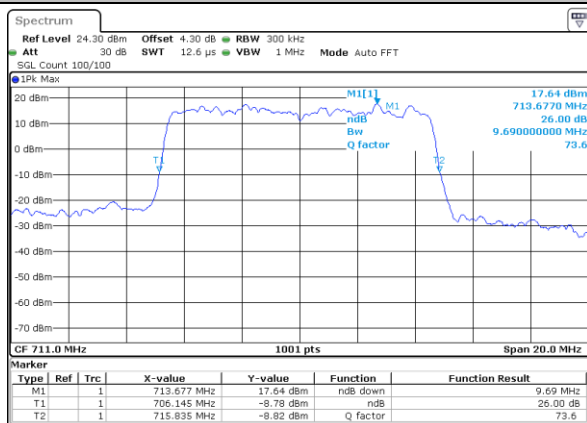
Date: 8 JUN 2019 05:42:49

Middle Channel / 10MHz / 16QAM



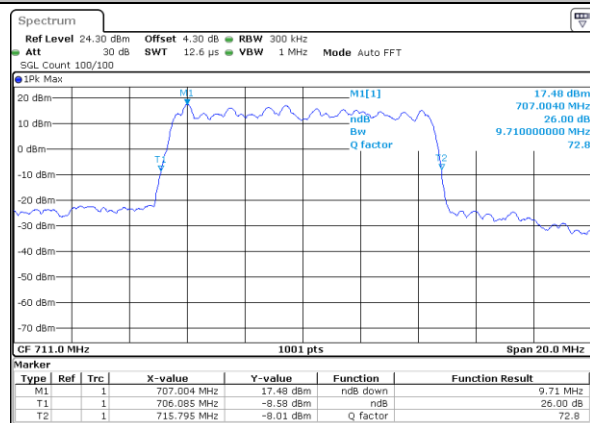
Date: 8 JUN 2019 05:42:59

Highest Channel / 10MHz / QPSK



Date: 8 JUN 2019 05:42:39

Highest Channel / 10MHz / 16QAM

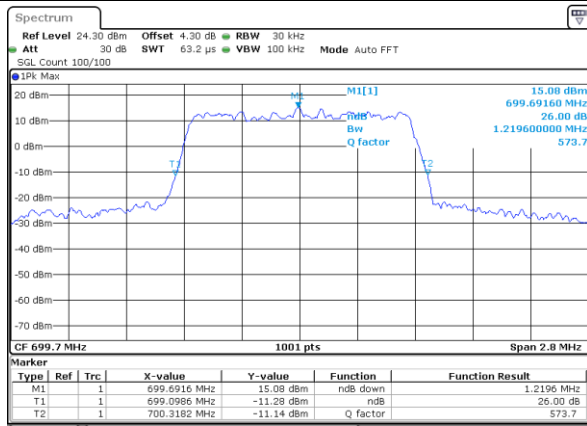


Date: 8 JUN 2019 05:42:29



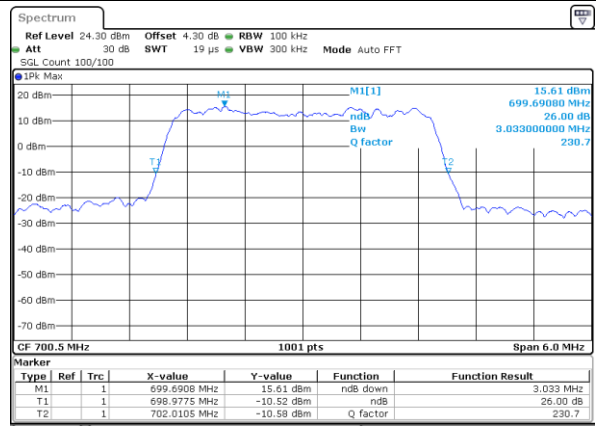
LTE Band 12

Lowest Channel / 1.4MHz / 64QAM



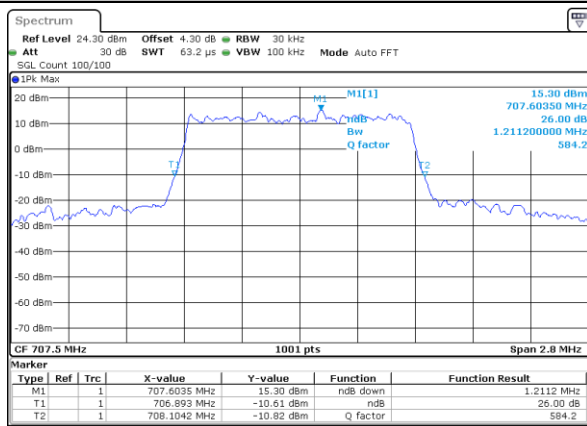
Date: 9 JUN 2019 10:55:58

Lowest Channel / 3MHz / 64QAM



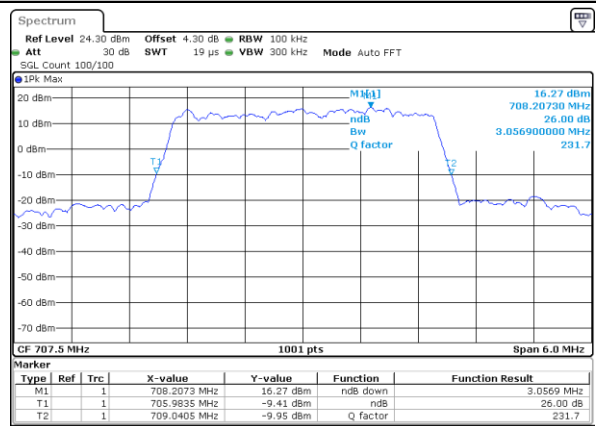
Date: 9 JUN 2019 11:06:57

Middle Channel / 1.4MHz / 64QAM



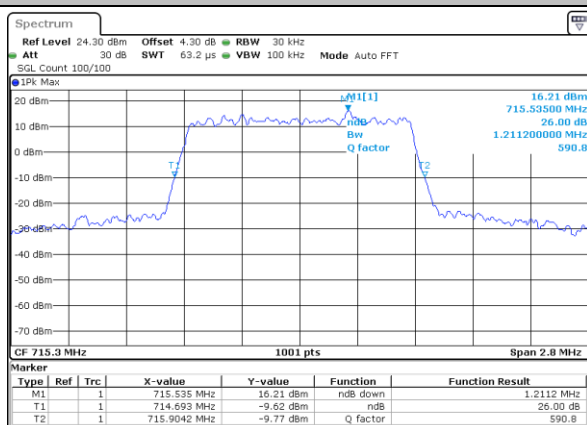
Date: 9 JUN 2019 10:56:18

Middle Channel / 3MHz / 64QAM



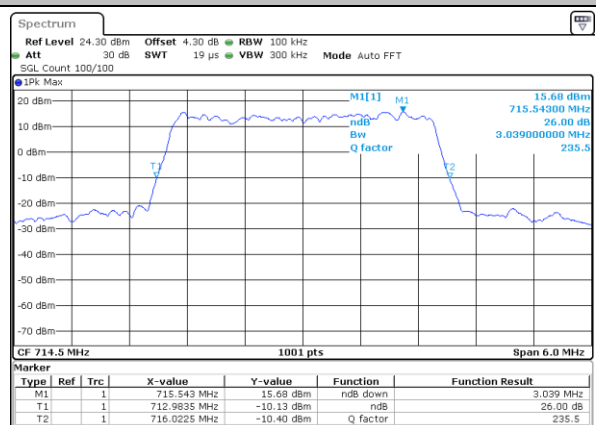
Date: 9 JUN 2019 11:07:17

Highest Channel / 1.4MHz / 64QAM



Date: 9 JUN 2019 10:56:38

Highest Channel / 3MHz / 64QAM

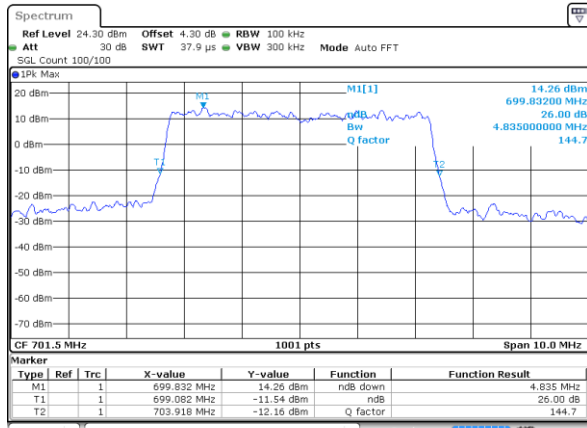


Date: 9 JUN 2019 11:07:37



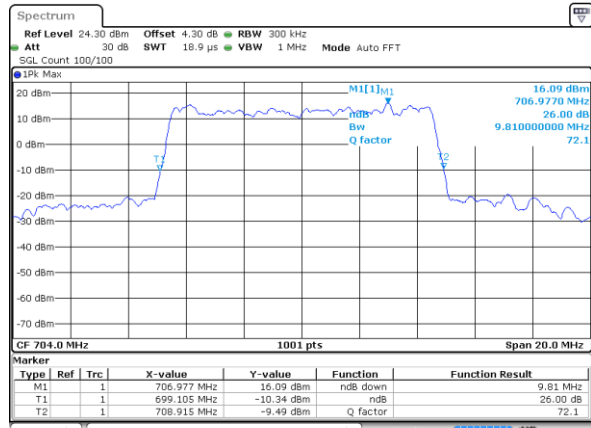
LTE Band 12

Lowest Channel / 5MHz / 64QAM



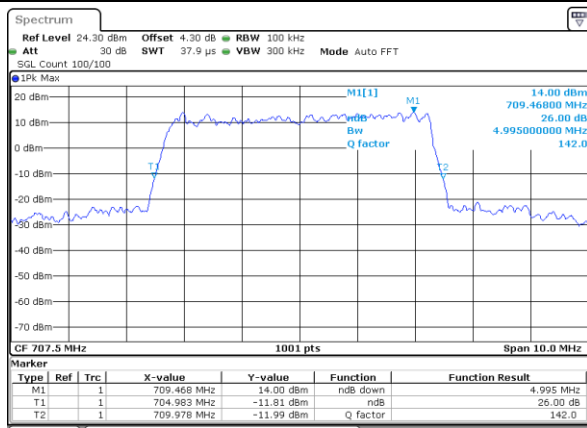
Date: 9 JUN 2019 11:12:32

Lowest Channel / 10MHz / 64QAM



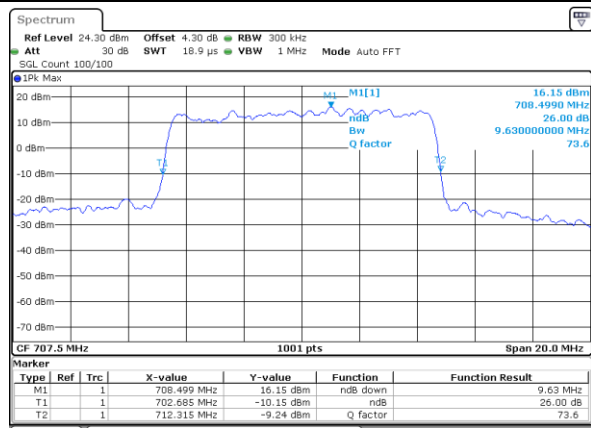
Date: 9 JUN 2019 11:23:30

Middle Channel / 5MHz / 64QAM



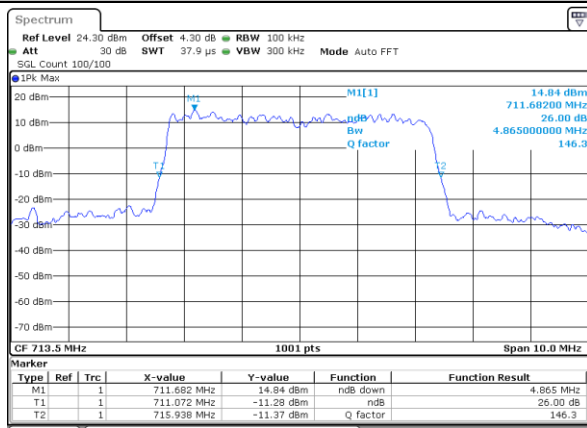
Date: 9 JUN 2019 11:12:52

Middle Channel / 10MHz / 64QAM



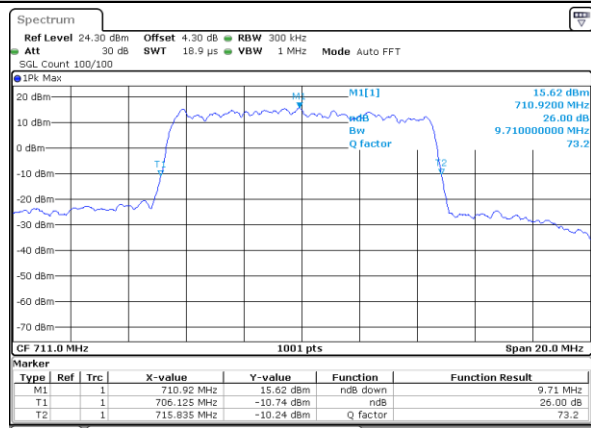
Date: 9 JUN 2019 11:23:50

Highest Channel / 5MHz / 64QAM



Date: 9 JUN 2019 11:13:12

Highest Channel / 10MHz / 64QAM



Date: 9 JUN 2019 11:24:10

**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	1.10	1.10	2.72	2.71	4.50	4.49	9.03	9.05	13.43	13.43	18.34	18.38
Middle CH	1.10	1.10	2.73	2.69	4.48	4.51	9.05	9.05	13.49	13.43	18.30	18.30
Highest CH	1.09	1.09	2.72	2.73	4.50	4.52	8.99	8.99	13.43	13.40	18.26	18.38
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		2.74		4.50		9.05		13.43		18.42	
Middle CH	1.09		2.72		4.51		9.05		13.46		18.30	
Highest CH	1.09		2.73		4.50		8.99		13.43		18.34	

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	2.73	4.51	4.48	9.05	9.03	13.46	13.40	18.34	18.38
Middle CH	1.10	1.09	2.70	2.72	4.49	4.52	9.03	9.03	13.40	13.40	18.30	18.26
Highest CH	1.09	1.09	2.74	2.70	4.50	4.49	9.03	9.01	13.43	13.37	18.34	18.26
Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.09		2.73		4.51		9.03		13.46		18.38	
Middle CH	1.09		2.72		4.50		9.03		13.40		18.34	
Highest CH	1.09		2.73		4.50		9.09		13.46		18.30	



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	2.73	2.74	4.49	4.50	9.03	8.99	-	-	-	-
Middle CH	1.09	1.09	2.74	2.73	4.51	4.51	9.03	9.01	-	-	-	-
Highest CH	1.09	1.09	2.73	2.74	4.50	4.50	9.05	9.05	-	-	-	-
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		2.73		4.50		9.05					
Middle CH	1.09		2.73		4.51		9.07					
Highest CH	1.09		2.72		4.50		9.01					

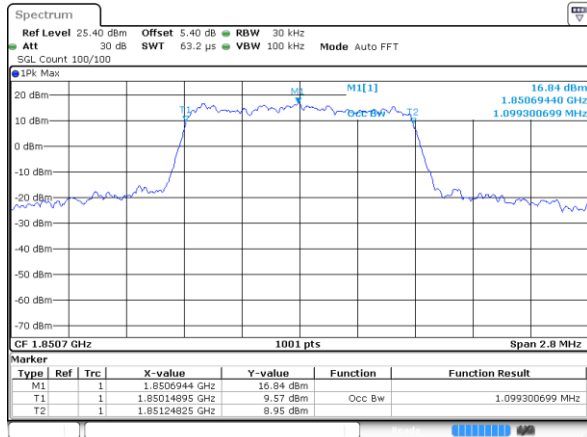
Mode	LTE Band 7 : 99%OBW(MHz)											
BW					5MHz		10MHz		15MHz		20MHz	
Mod.					QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH					4.50	4.47	9.01	8.97	13.46	13.49	18.14	18.26
Middle CH					4.50	4.51	9.03	9.03	13.40	13.49	18.26	18.42
Highest CH					4.48	4.49	9.03	9.03	13.46	13.49	18.50	18.42
Mode	LTE Band 7 : 99%OBW(MHz)											
BW					5MHz		10MHz		15MHz		20MHz	
Mod.					64QAM		64QAM		64QAM		64QAM	
Lowest CH					4.50		9.07		13.46		18.42	
Middle CH					4.51		9.03		13.43		18.34	
Highest CH					4.49		9.03		13.43		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	2.72	2.75	4.48	4.50	9.03	8.99	1.09	2.73	4.50	9.13
Middle CH	1.09	1.09	2.72	2.74	4.54	4.51	8.99	8.97	1.10	2.72	4.49	9.01
Highest CH	1.09	1.09	2.73	2.74	4.50	4.50	9.03	9.05	1.09	2.72	4.50	8.99

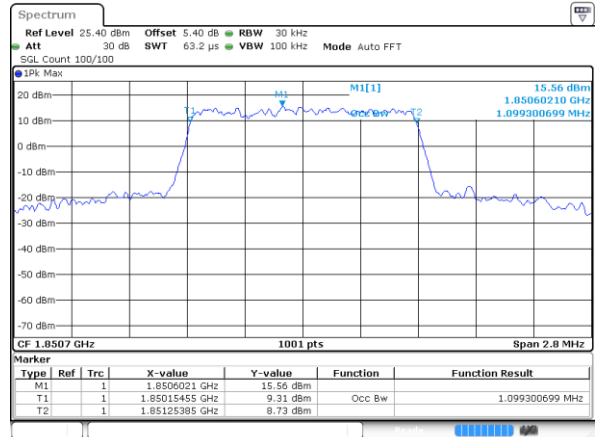


LTE Band 2

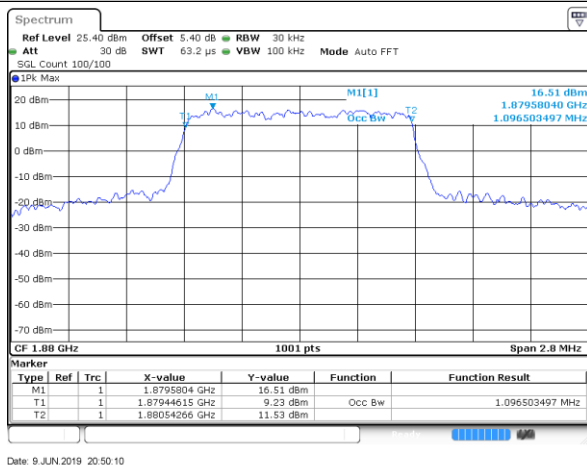
Lowest Channel / 1.4MHz / QPSK



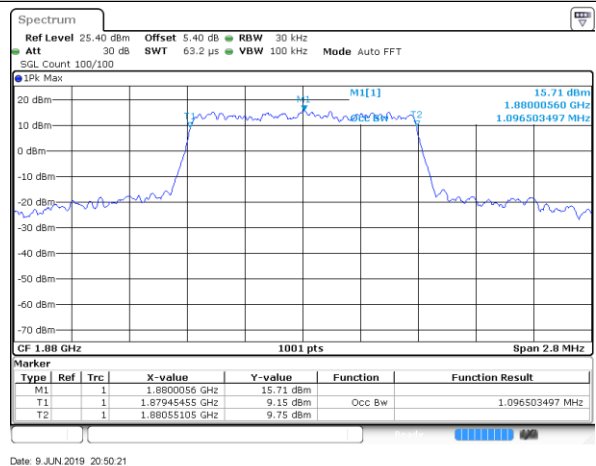
Lowest Channel / 1.4MHz / 16QAM



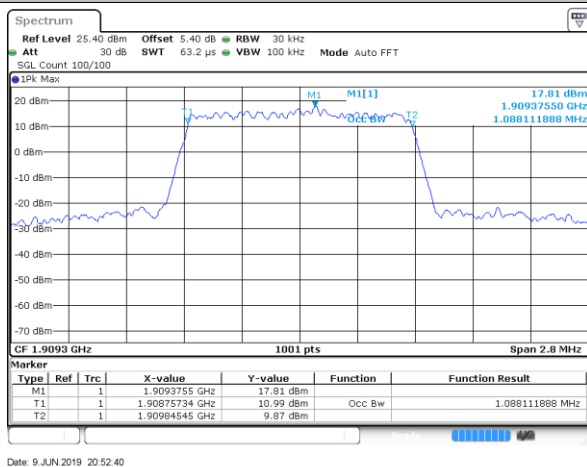
Middle Channel / 1.4MHz / QPSK



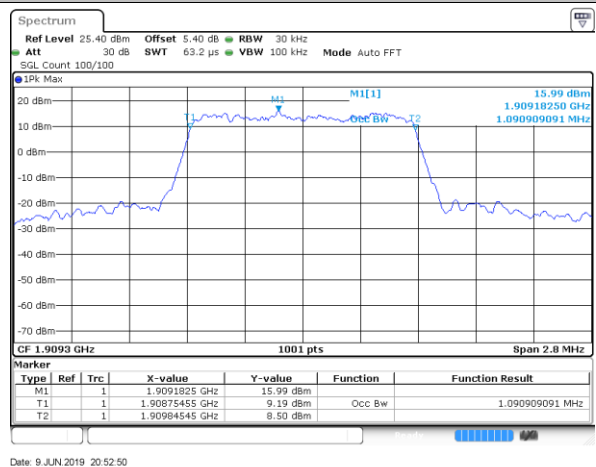
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



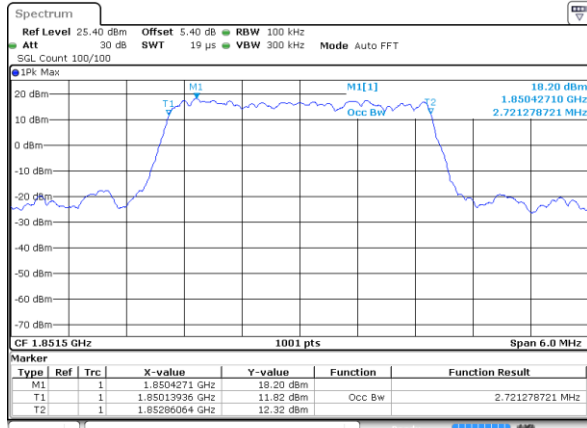
Highest Channel / 1.4MHz / 16QAM





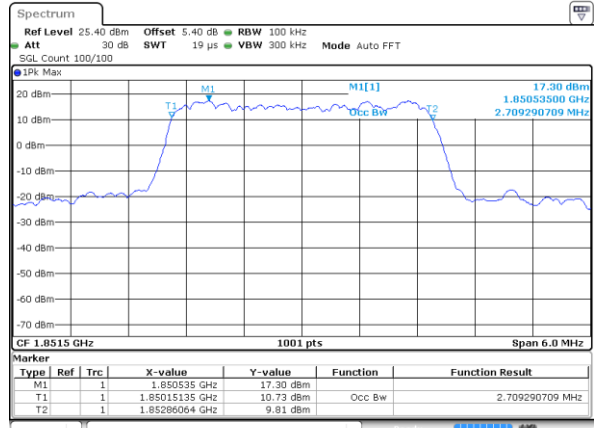
LTE Band 2

Lowest Channel / 3MHz / QPSK



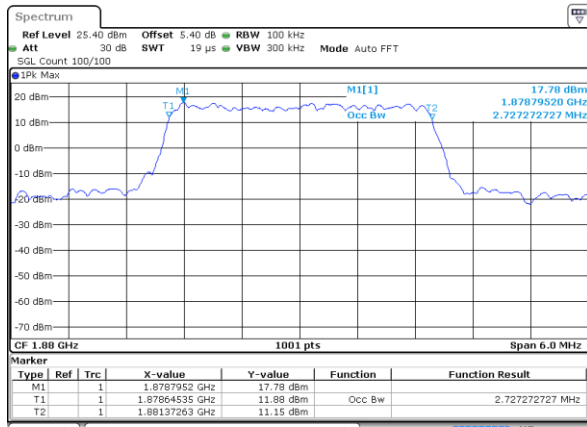
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Lowest Channel / 3MHz / 16QAM



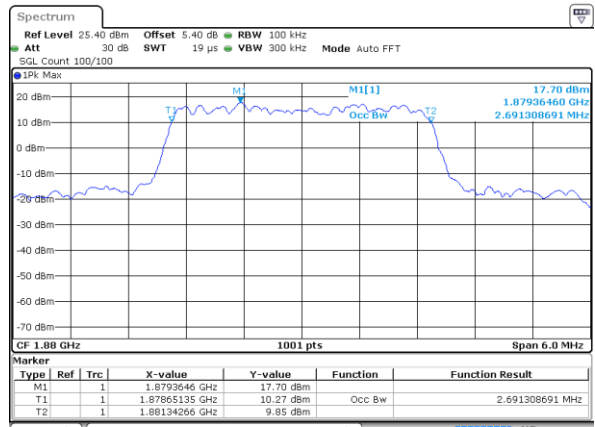
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Middle Channel / 3MHz / QPSK



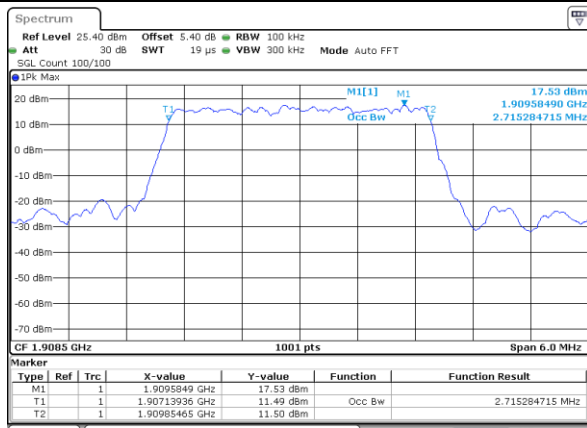
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Middle Channel / 3MHz / 16QAM



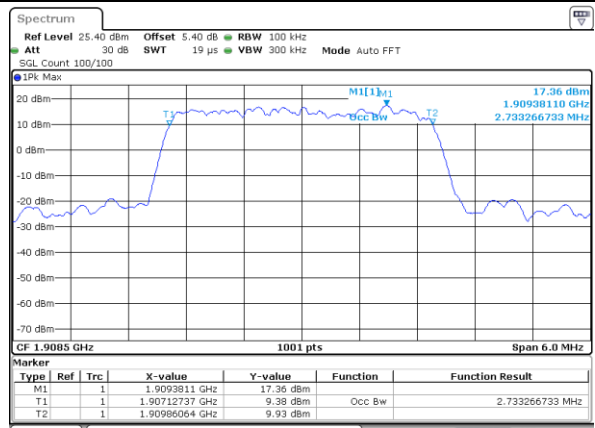
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Highest Channel / 3MHz / QPSK



Date: 9 JUN 2019 21:09:11

Highest Channel / 3MHz / 16QAM

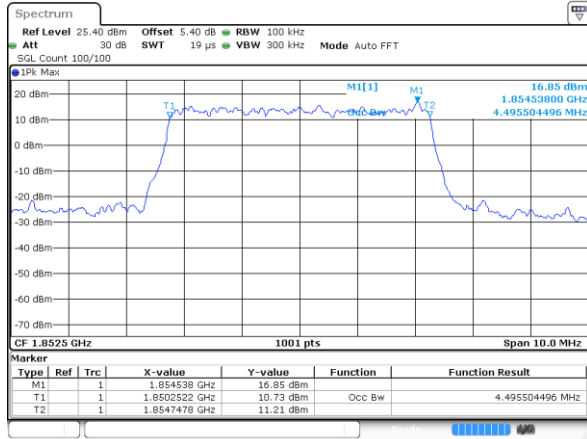


Date: 9 JUN 2019 21:09:21

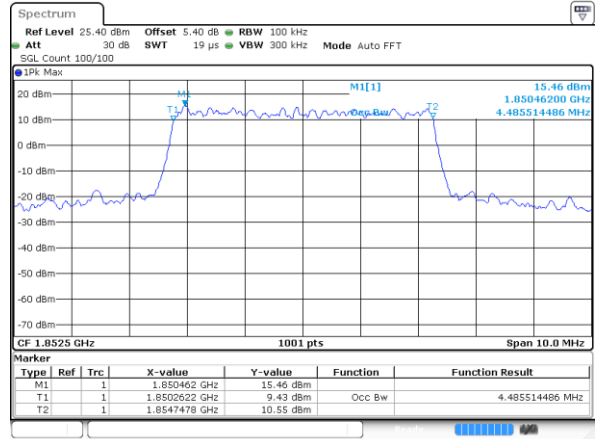


LTE Band 2

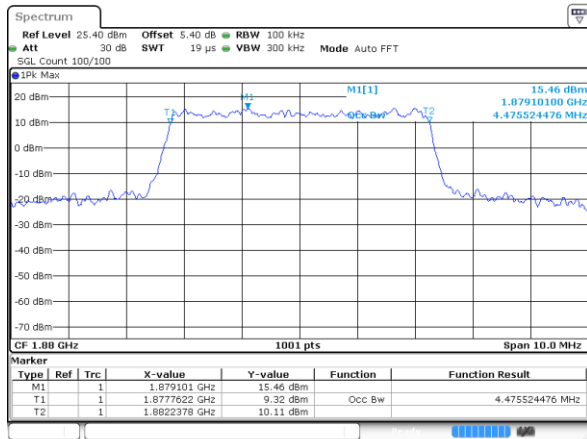
Lowest Channel / 5MHz / QPSK



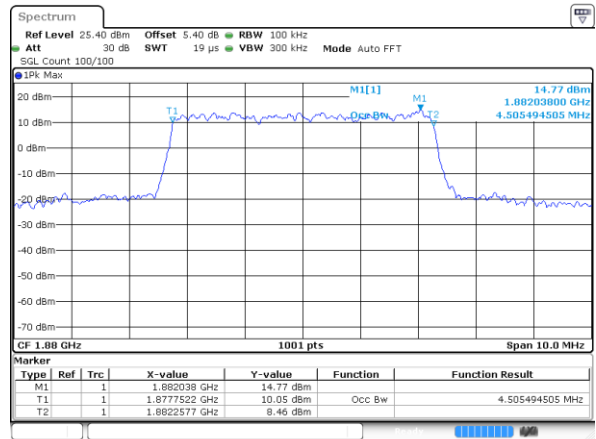
Lowest Channel / 5MHz / 16QAM



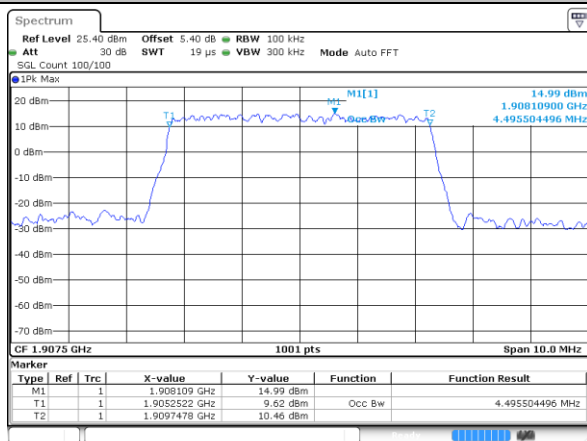
Middle Channel / 5MHz / QPSK



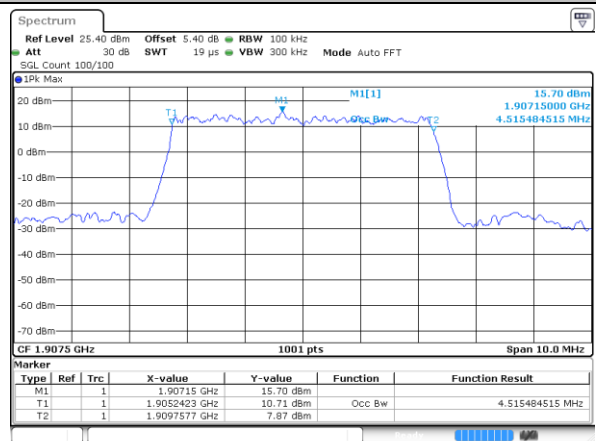
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



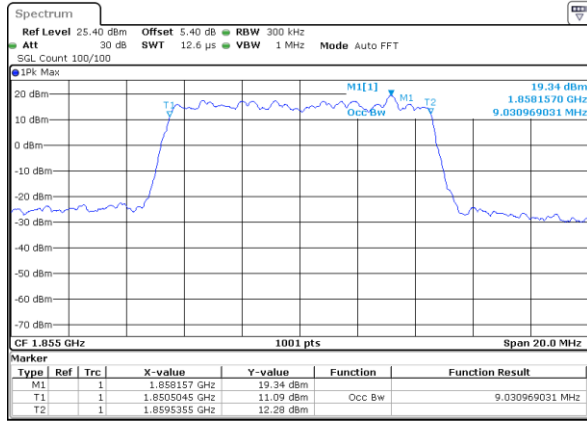
Highest Channel / 5MHz / 16QAM





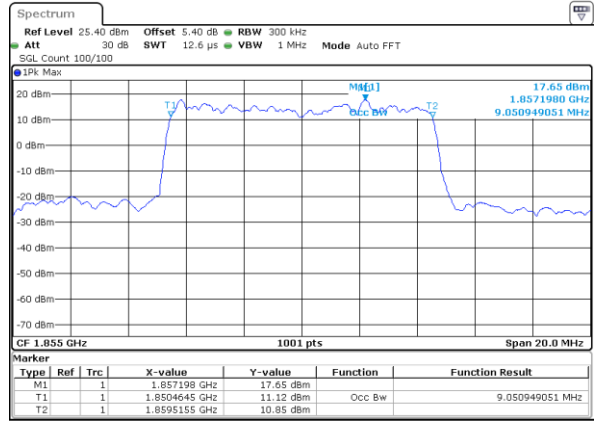
LTE Band 2

Lowest Channel / 10MHz / QPSK



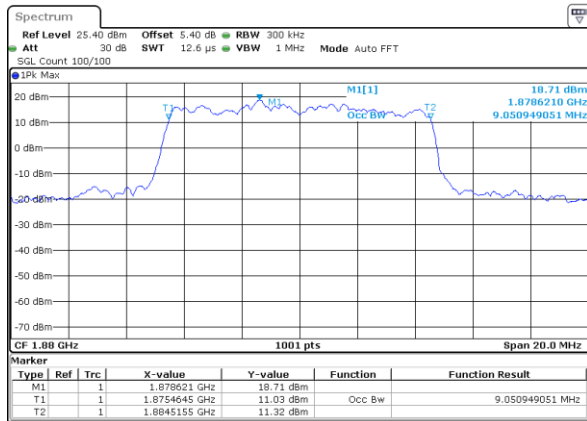
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Lowest Channel / 10MHz / 16QAM



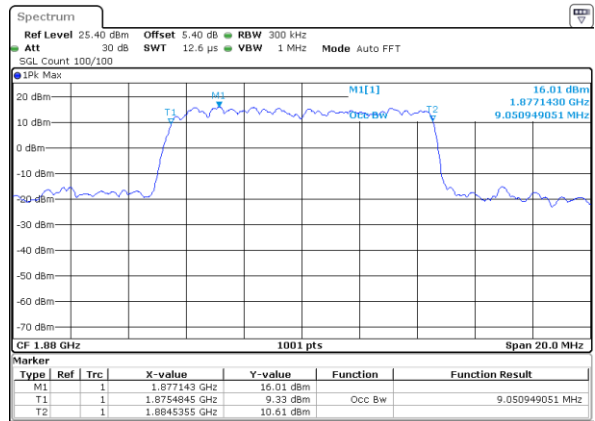
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Middle Channel / 10MHz / QPSK



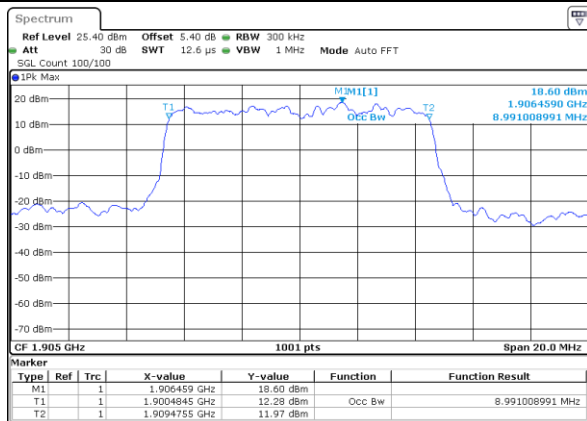
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Middle Channel / 10MHz / 16QAM



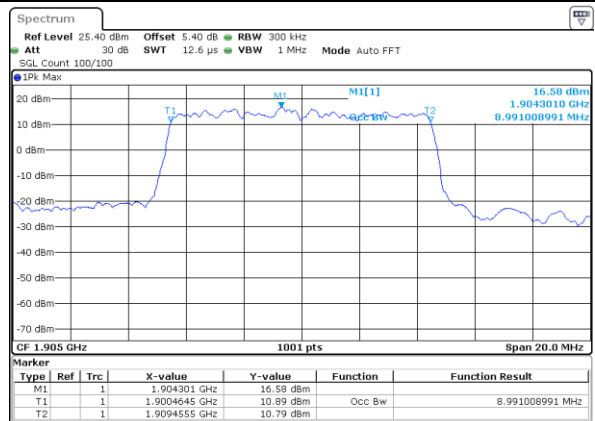
Date: 9 JUN 2019 21:38:01

Highest Channel / 10MHz / QPSK



Date: 9 JUN 2019 21:40:21

Highest Channel / 10MHz / 16QAM

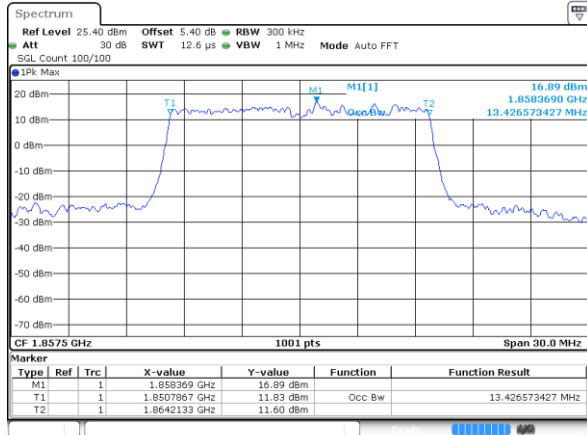


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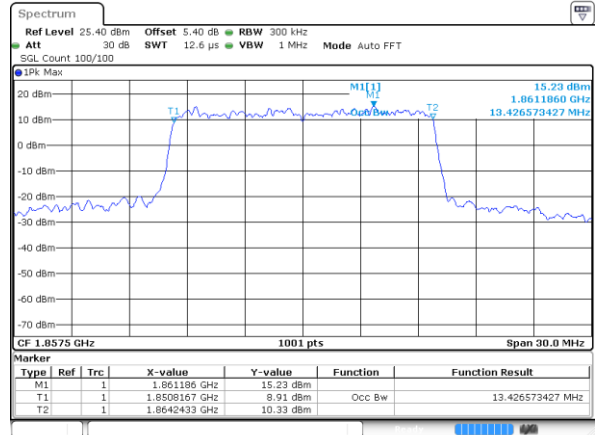
LTE Band 2

Lowest Channel / 15MHz / QPSK



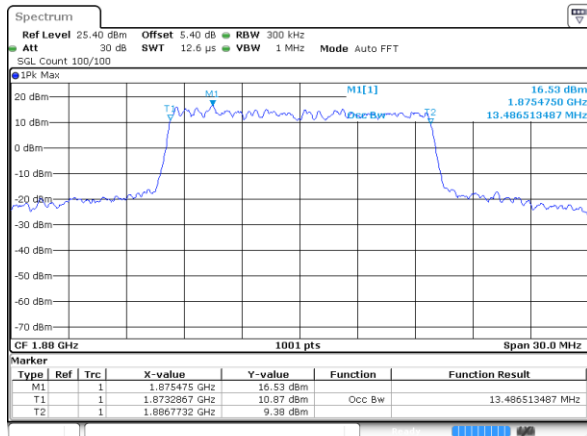
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Lowest Channel / 15MHz / 16QAM



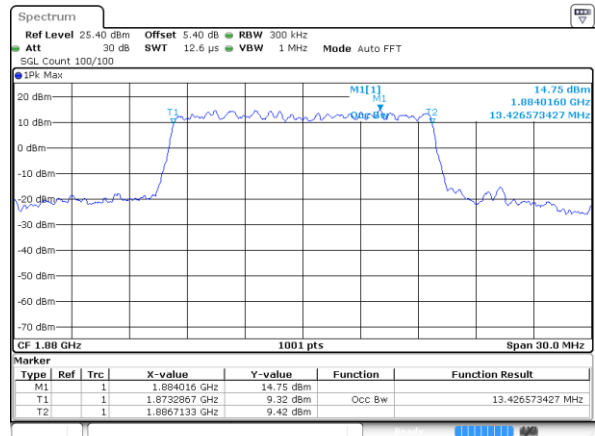
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Middle Channel / 15MHz / QPSK



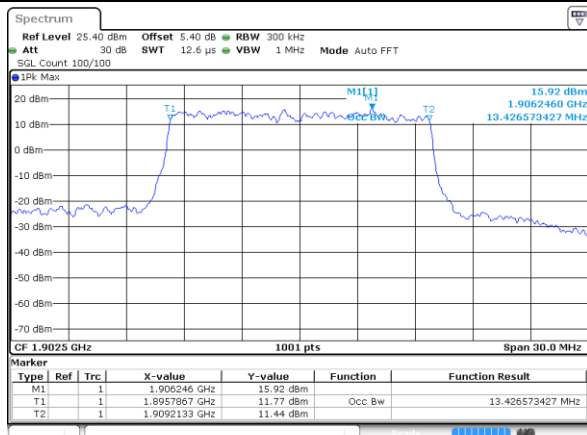
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Middle Channel / 15MHz / 16QAM



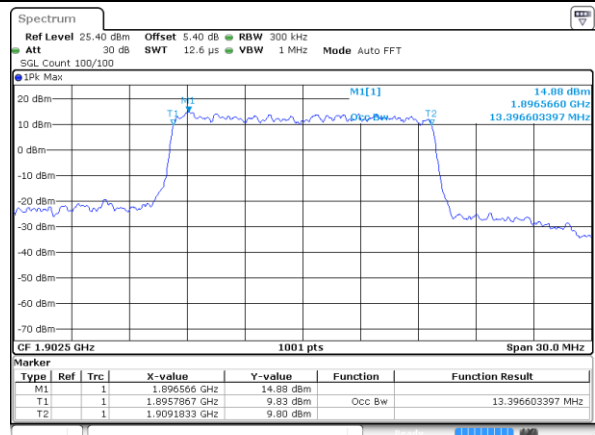
Date: 9 JUN 2019 21:54:32

Highest Channel / 15MHz / QPSK



Date: 9 JUN 2019 21:56:52

Highest Channel / 15MHz / 16QAM

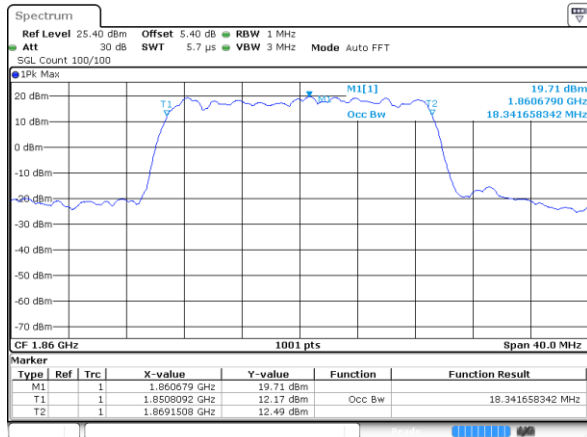


Date: 9 JUN 2019 21:57:02

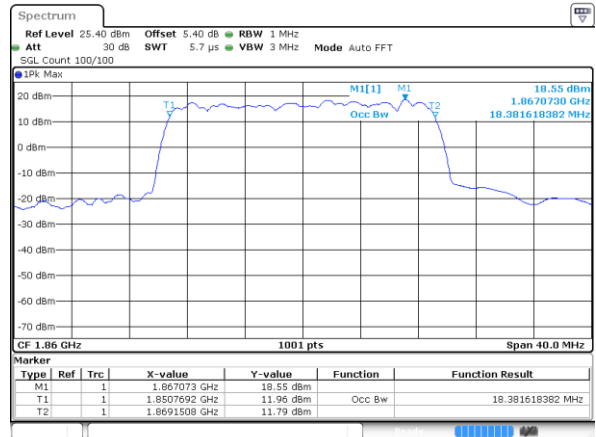


LTE Band 2

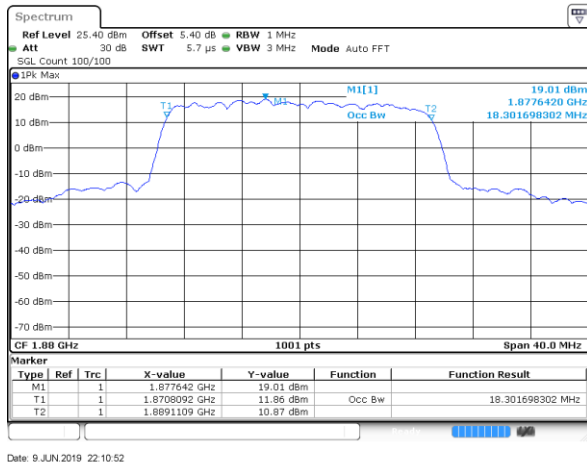
Lowest Channel / 20MHz / QPSK



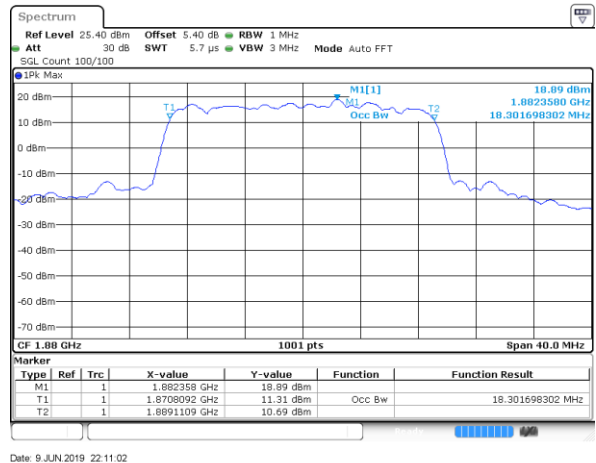
Lowest Channel / 20MHz / 16QAM



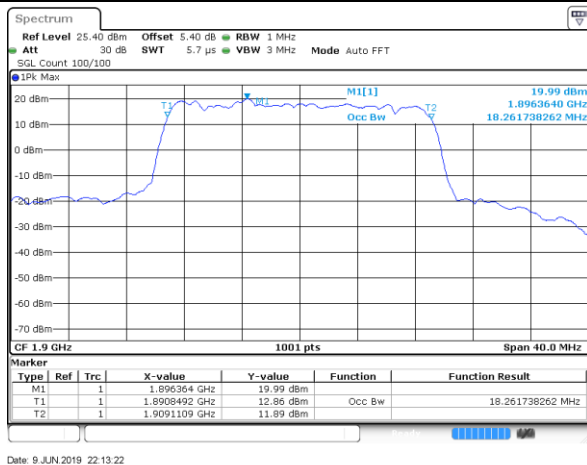
Middle Channel / 20MHz / QPSK



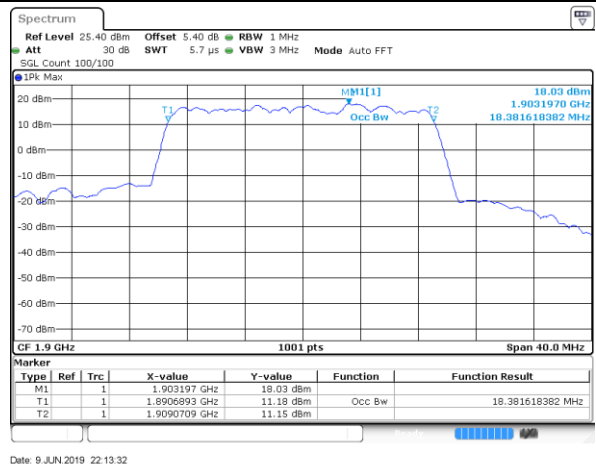
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



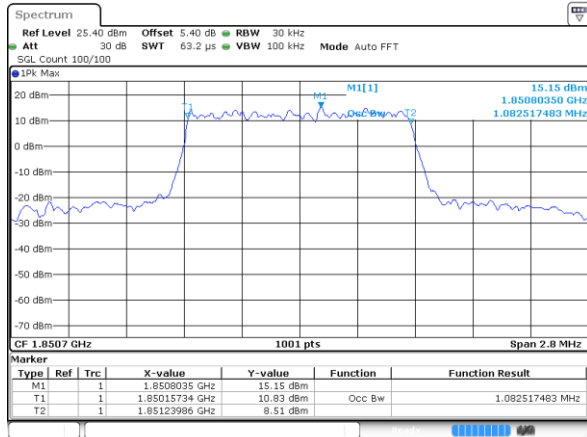
Highest Channel / 20MHz / 16QAM



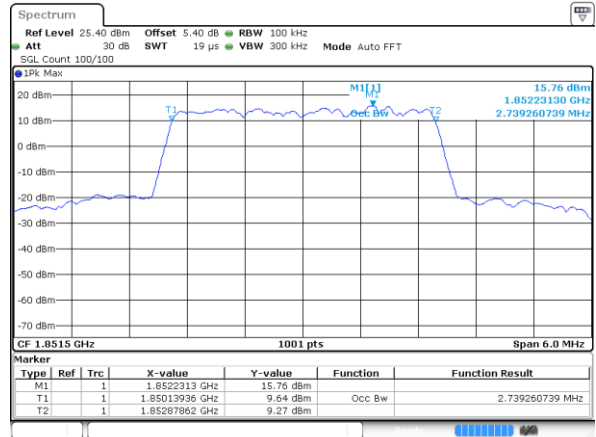


LTE Band 2

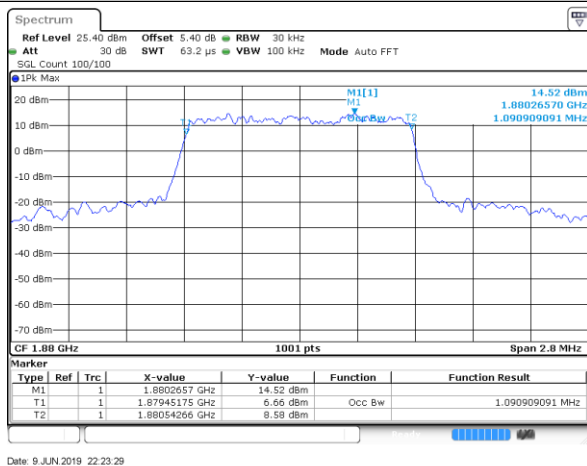
Lowest Channel / 1.4MHz / 64QAM



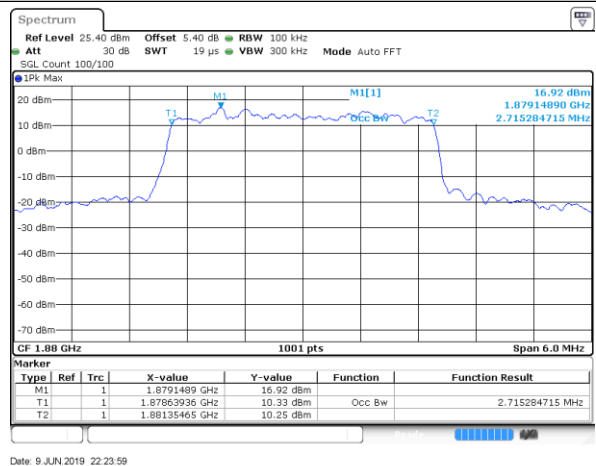
Lowest Channel / 3MHz / 64QAM



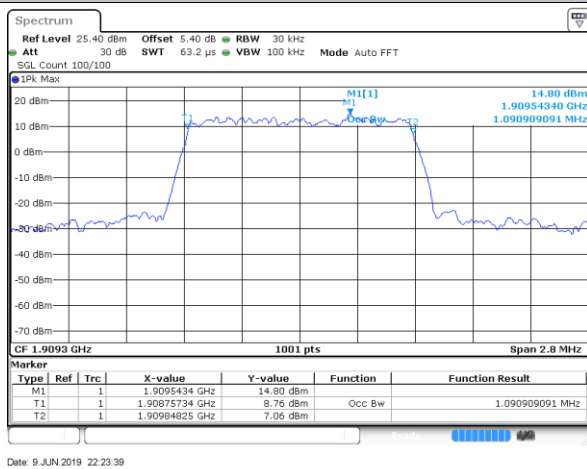
Middle Channel / 1.4MHz / 64QAM



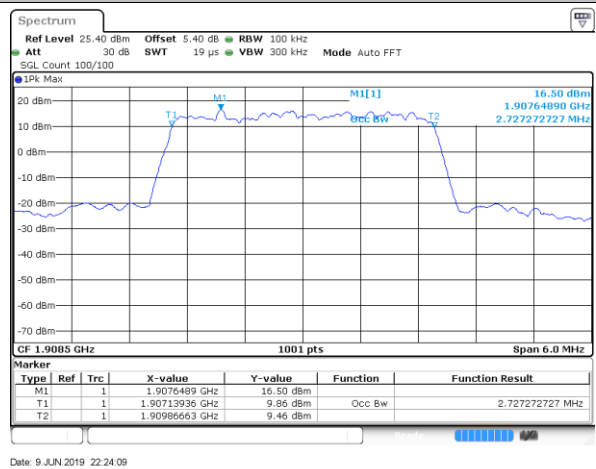
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM



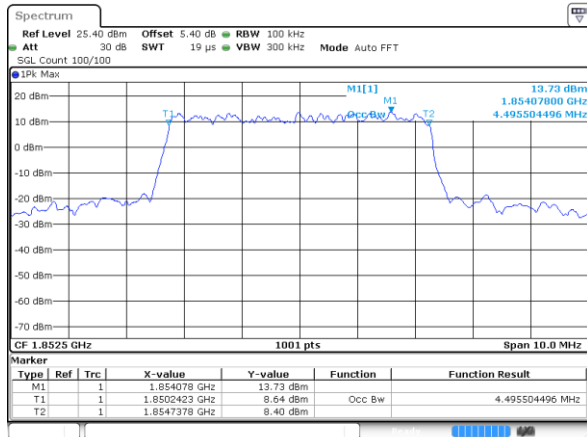
Highest Channel / 3MHz / 64QAM



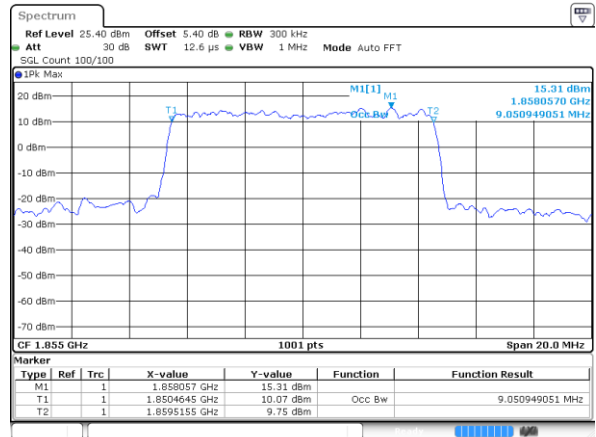


LTE Band 2

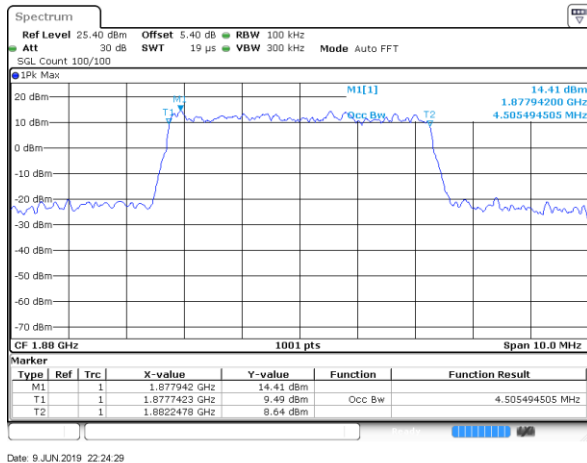
Lowest Channel / 5MHz / 64QAM



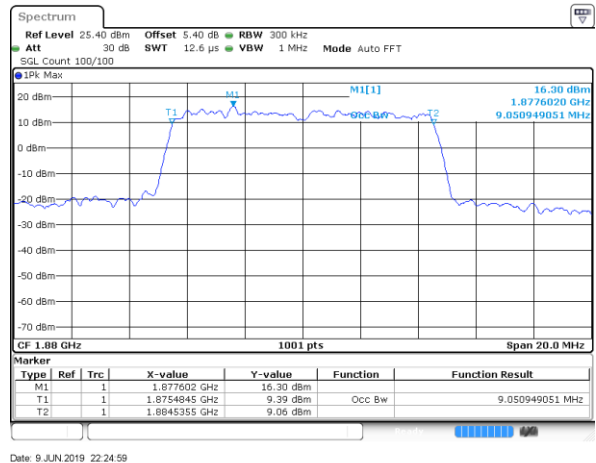
Lowest Channel / 10MHz / 64QAM



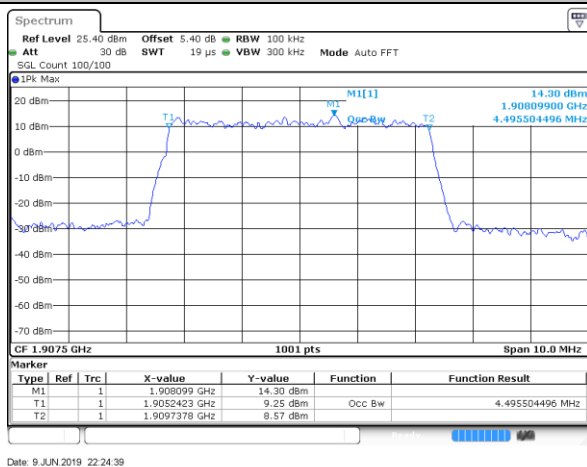
Middle Channel / 5MHz / 64QAM



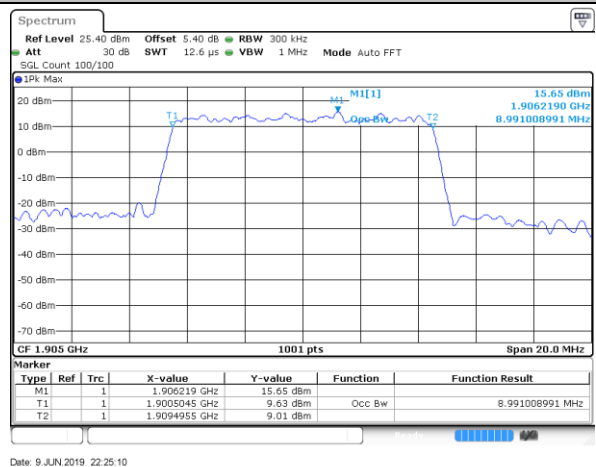
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



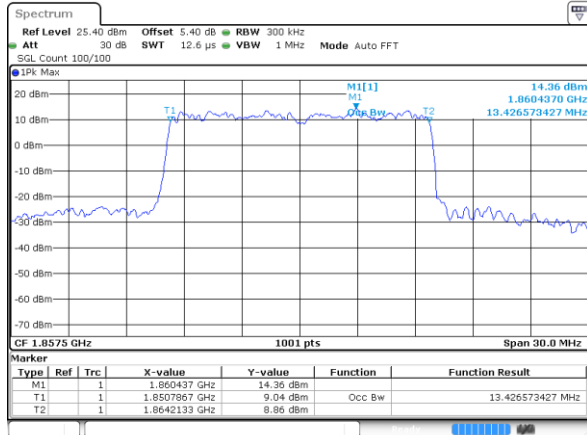
Highest Channel / 10MHz / 64QAM



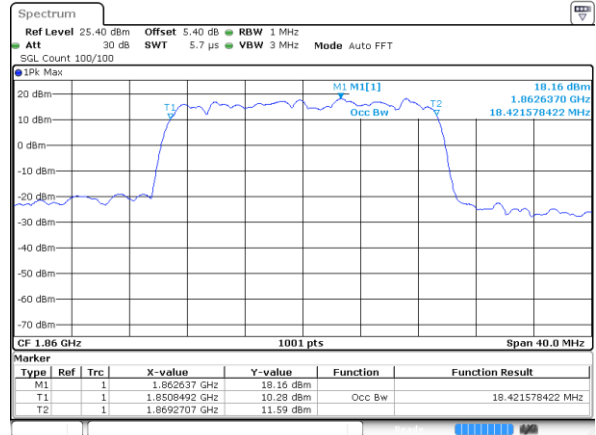


LTE Band 2

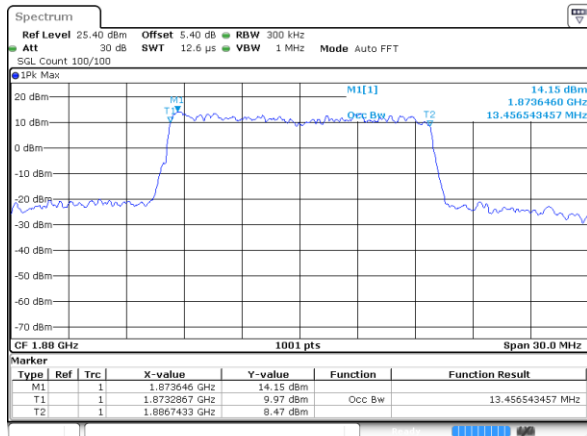
Lowest Channel / 15MHz / 64QAM



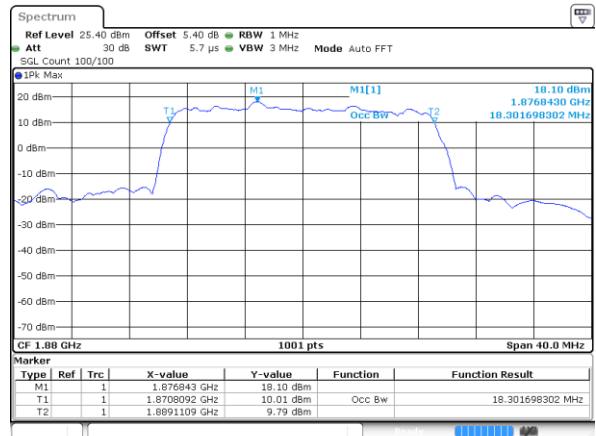
Lowest Channel / 20MHz / 64QAM



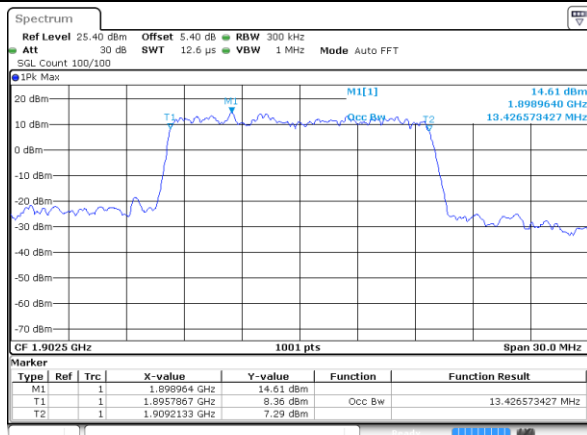
Middle Channel / 15MHz / 64QAM



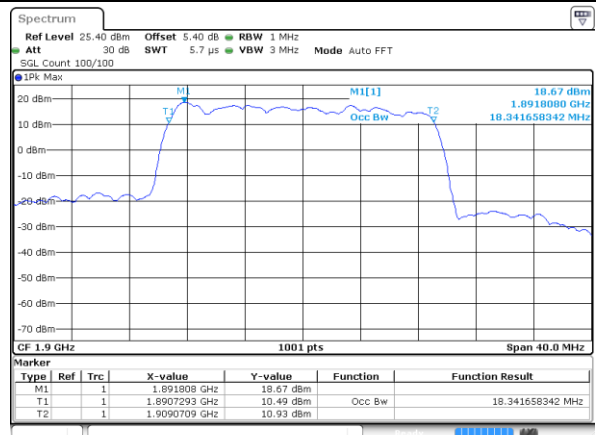
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



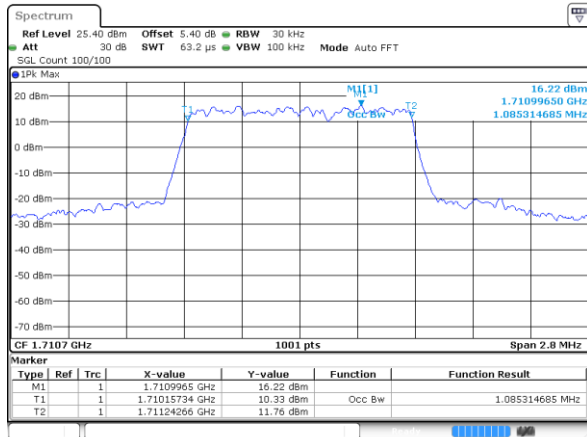
Highest Channel / 20MHz / 64QAM



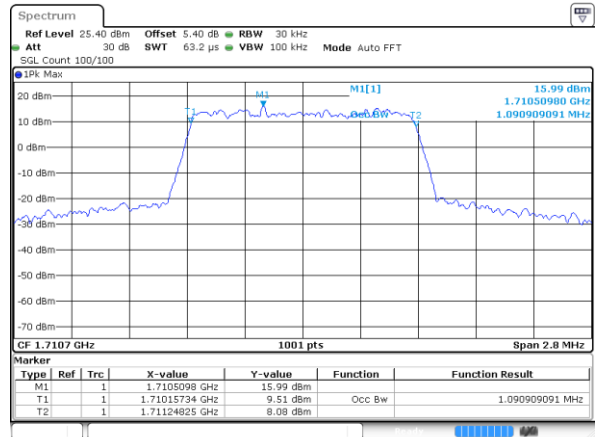


LTE Band 4

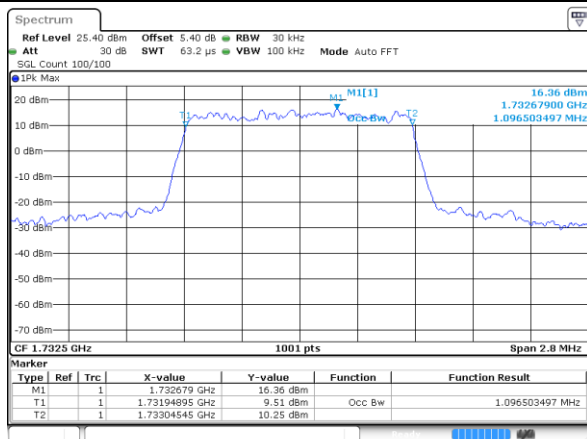
Lowest Channel / 1.4MHz / QPSK



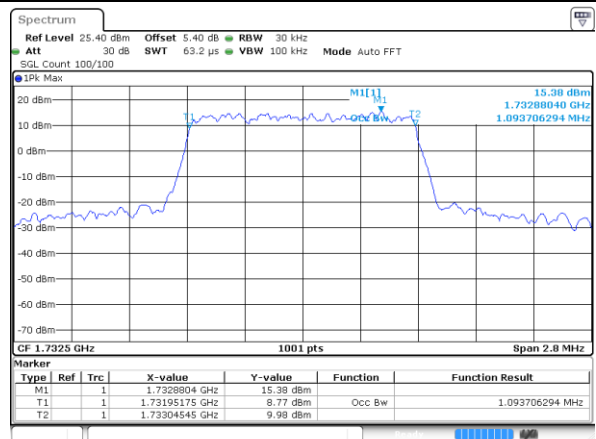
Lowest Channel / 1.4MHz / 16QAM



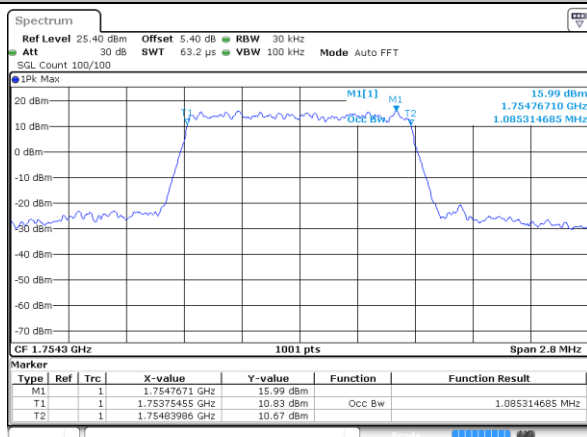
Middle Channel / 1.4MHz / QPSK



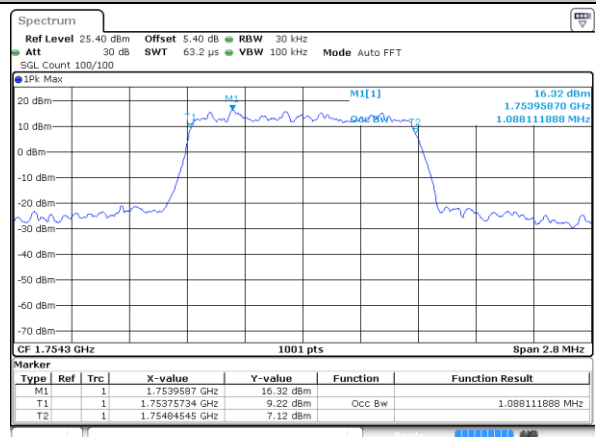
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



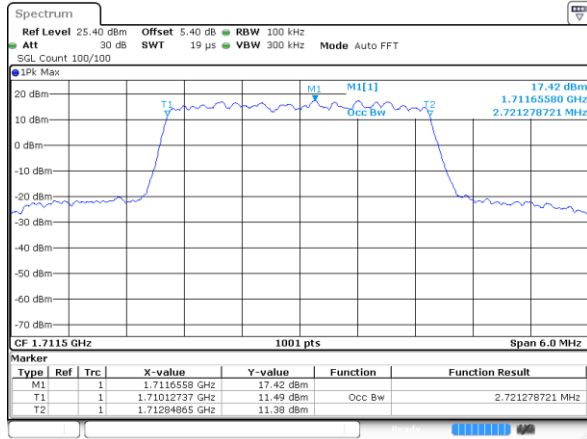
Highest Channel / 1.4MHz / 16QAM



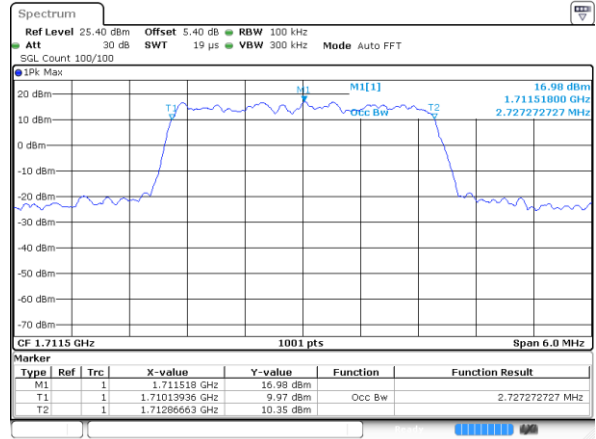


LTE Band 4

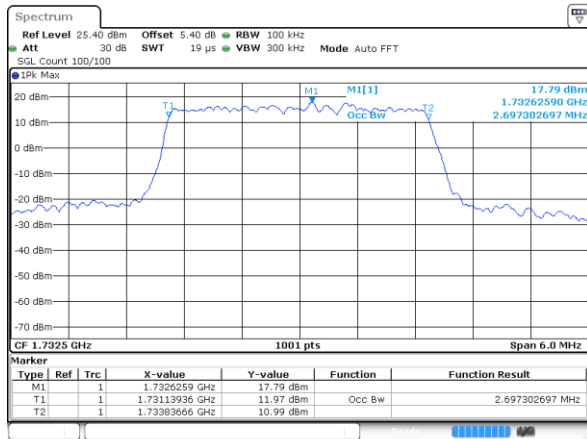
Lowest Channel / 3MHz / QPSK



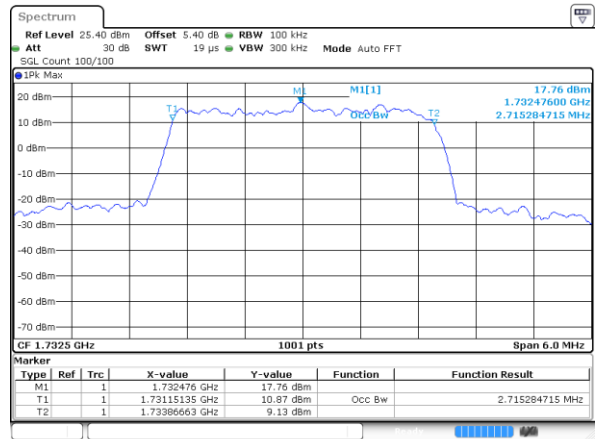
Lowest Channel / 3MHz / 16QAM



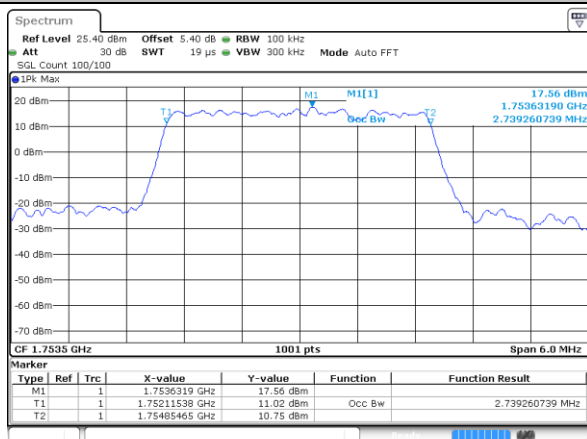
Middle Channel / 3MHz / QPSK



Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



Highest Channel / 3MHz / 16QAM

