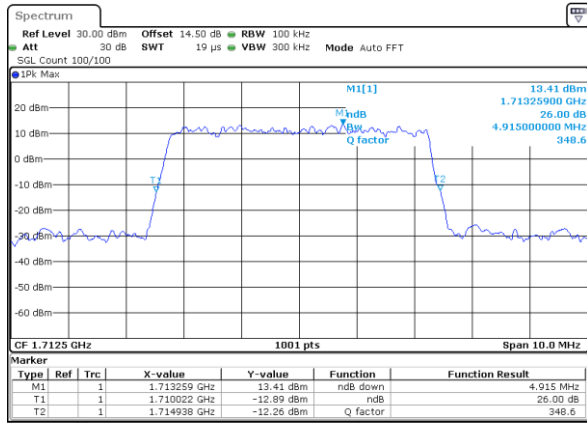




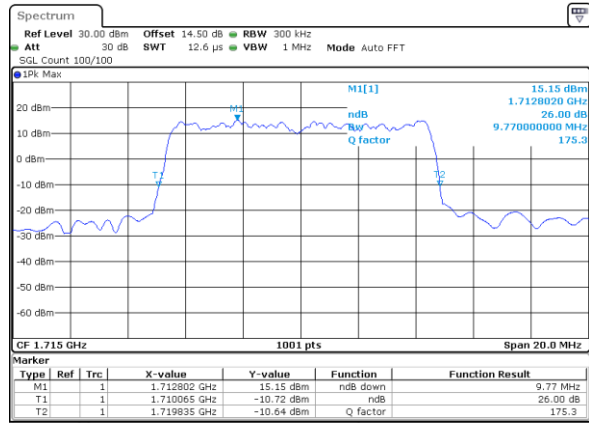
LTE Band 66

Lowest Channel / 5MHz / 64QAM



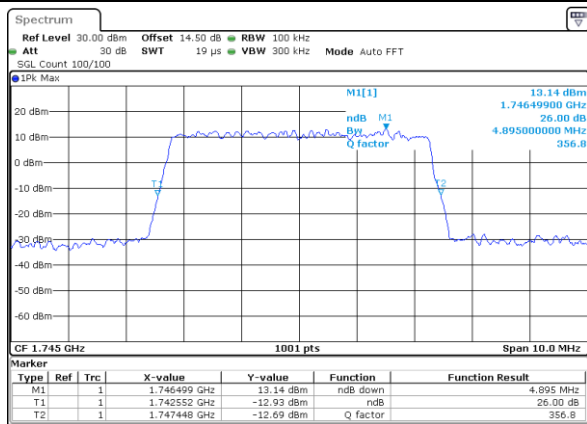
Date: 9.OCT.2017 14:35:03

Lowest Channel / 10MHz / 64QAM



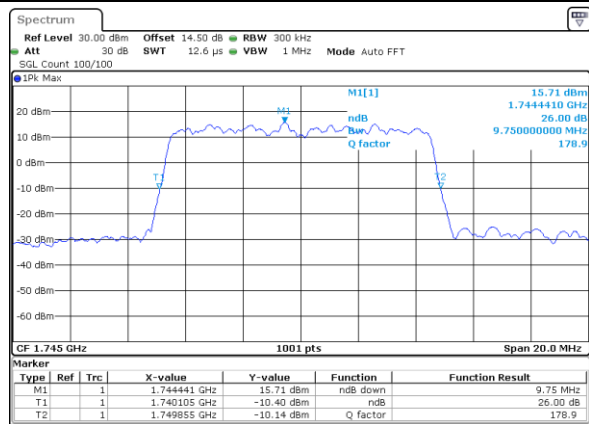
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Middle Channel / 5MHz / 64QAM



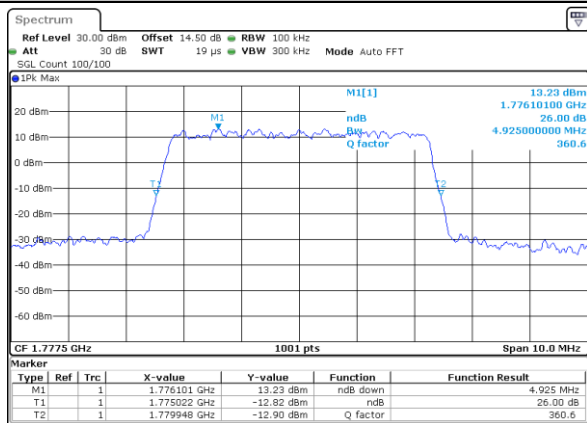
Date: 9.OCT.2017 14:42:45

Middle Channel / 10MHz / 64QAM



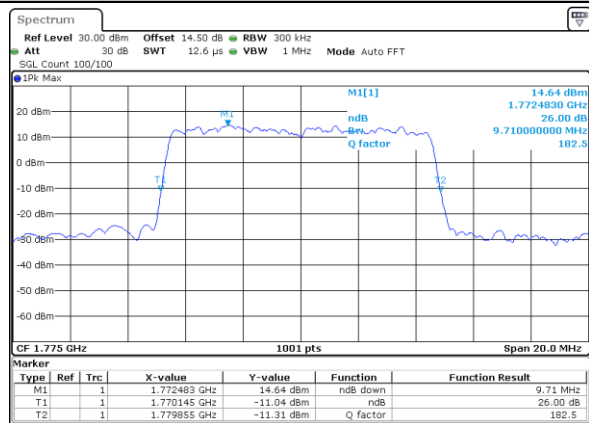
Date: 9.OCT.2017 15:07:19

Highest Channel / 5MHz / 64QAM



Date: 9.OCT.2017 14:46:16

Highest Channel / 10MHz / 64QAM

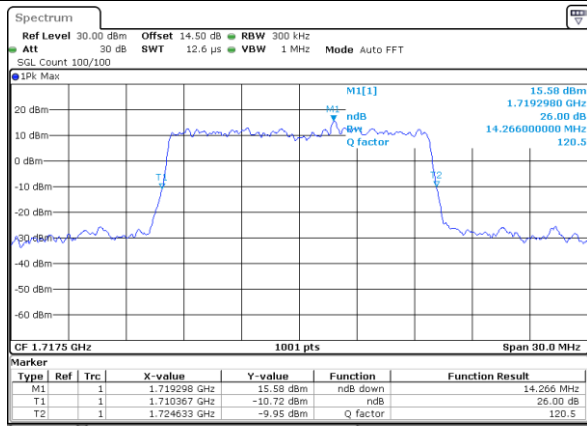


Date: 9.OCT.2017 15:15:43



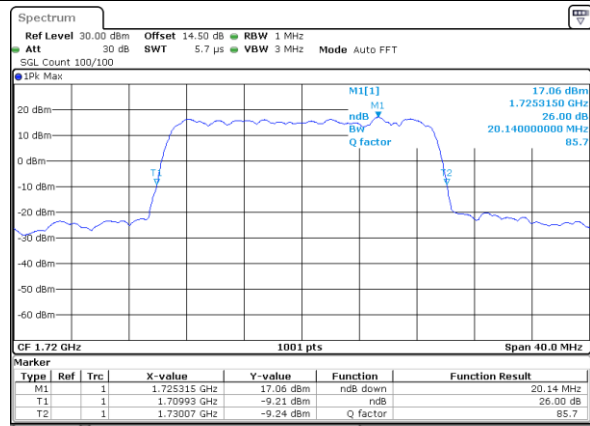
LTE Band 66

Lowest Channel / 15MHz / 64QAM



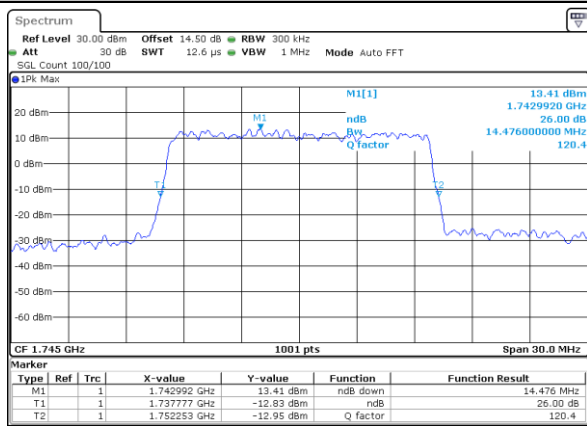
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Lowest Channel / 20MHz / 64QAM



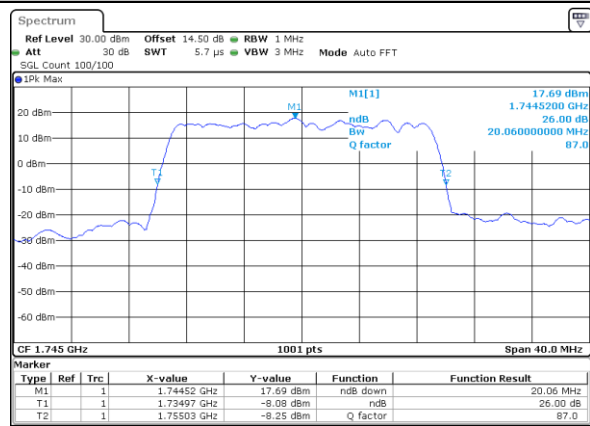
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Middle Channel / 15MHz / 64QAM



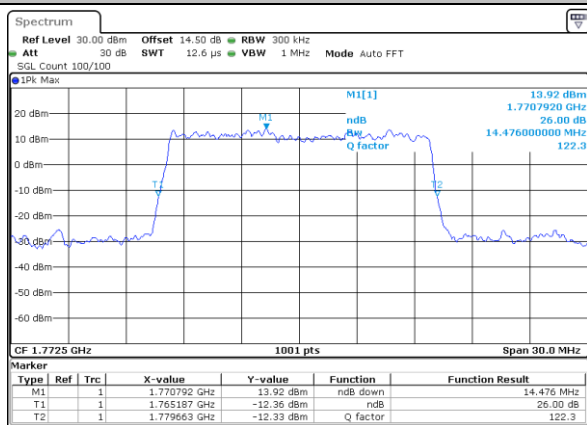
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Middle Channel / 20MHz / 64QAM



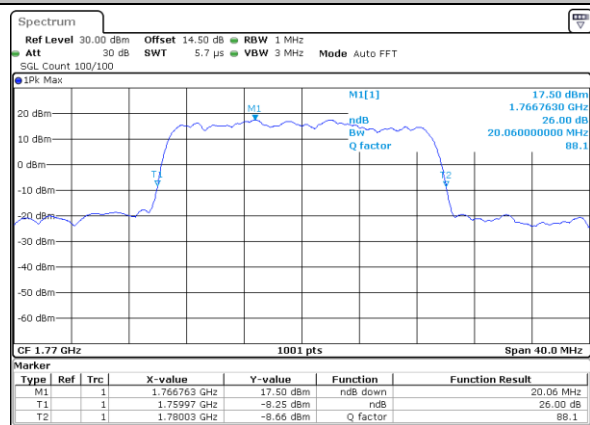
Date: 10.OCT.2017 08:03:00

Highest Channel / 15MHz / 64QAM



Date: 9.OCT.2017 15:46:19

Highest Channel / 20MHz / 64QAM



Date: 10.OCT.2017 08:11:00



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	4.51	4.51	9.05	9.01	13.4	13.49	18.54	18.42
Middle CH	1.09	1.10	2.70	2.72	4.51	4.51	9.01	9.01	13.4	13.49	18.46	18.38
Highest CH	1.09	1.09	2.74	2.70	4.50	4.48	9.03	9.03	13.43	13.43	18.42	18.46
BW	1.4MHz	3MHz	5MHz	10MHz	15MHz	20MHz						
Mod.	64QAM	64QAM	64QAM	64QAM	64QAM	64QAM						
Lowest CH	1.09	2.72	4.49	8.97	13.40	18.26						
Middle CH	1.09	2.71	4.51	8.99	13.46	18.34						
Highest CH	1.09	2.72	4.51	9.03	13.46	18.30						

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	2.73	2.72	4.50	4.48	9.03	8.99	13.49	13.40	18.22	18.26
Middle CH	1.09	1.09	2.72	2.73	4.50	4.49	8.97	9.03	13.40	13.37	18.26	18.22
Highest CH	1.09	1.09	2.72	2.73	4.51	4.48	8.99	9.03	13.43	13.46	18.46	18.26
BW	1.4MHz	3MHz	5MHz	10MHz	15MHz	20MHz						
Mod.	64QAM	64QAM	64QAM	64QAM	64QAM	64QAM						
Lowest CH	1.09	2.72	4.49	8.99	13.43	18.34						
Middle CH	1.09	2.71	4.48	8.99	13.37	18.38						
Highest CH	1.09	2.70	4.49	8.99	13.46	18.34						

Mode	LTE Band 5 : 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	1.08	1.09	2.73	2.72	4.49	4.51	9.05	9.01	1.09	2.73	4.49	9.05
Middle CH	1.09	1.10	2.73	2.73	4.50	4.49	9.03	9.01	1.10	2.72	4.50	8.99
Highest CH	1.09	1.09	2.71	2.73	4.49	4.50	9.03	8.99	1.09	2.73	4.50	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	4.49	4.51	9.05	9.01	13.40	13.46	18.26	18.50	4.47	9.01	13.43	18.46
Middle CH	4.48	4.48	9.01	9.03	13.43	13.40	18.18	18.30	4.47	9.03	13.46	18.18
Highest CH	4.47	4.49	8.97	8.99	13.40	13.40	18.34	18.30	4.50	8.97	13.43	18.26

Mode	LTE Band 7 : 99%OBW(MHz)								
BW	10MHz+20MHz			15MHz+15MHz			15MHz+20MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	28.23	28.11	27.93	28.71	28.71	28.59	33.01	32.94	32.80
Middle CH	27.99	27.93	27.81	28.65	28.71	28.35	32.87	32.80	32.59
Highest CH	28.11	27.99	27.81	28.59	28.65	28.47	32.94	32.87	32.80

Mode	LTE Band 7 : 99%OBW(MHz)								
BW	20MHz+10MHz			20MHz+15MHz			20MHz+20MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	28.17	28.05	27.93	32.94	32.87	32.80	37.80	37.72	37.64
Middle CH	28.05	27.99	27.87	32.80	32.80	32.66	37.72	37.72	37.56
Highest CH	28.05	27.99	27.81	32.87	32.80	32.66	37.80	37.64	37.56

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	1.09	2.71	2.72	4.51	4.48	9.05	9.05	1.09	2.72	4.46	8.99
Middle CH	1.09	1.09	2.72	2.73	4.49	4.49	9.03	9.03	1.08	2.72	4.49	9.01
Highest CH	1.09	1.08	2.73	2.71	4.48	4.50	8.99	9.01	1.10	2.73	4.48	8.97

Mode	LTE Band 17 : 99%OBW(MHz)											
BW	5MHz		10MHz		5MHz	10MHz						
Mod.	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM						
Lowest CH	4.50	4.49	9.03	8.99	4.47	9.03						
Middle CH	4.48	4.49	9.05	9.03	4.48	8.99						
Highest CH	4.48	4.47	8.99	9.01	4.49	8.99						



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	1.09	1.09	2.73	2.74	4.49	4.51	9.01	8.97	13.4	13.43	18.38	18.18
Middle CH	1.09	1.08	2.72	2.72	4.47	4.48	9.05	9.01	13.43	13.46	18.46	18.38
Highest CH	1.09	1.09	2.73	2.72	4.51	4.49	9.11	9.05	13.34	13.43	18.54	18.34
BW	1.4MHz	3MHz	5MHz	10MHz	15MHz	20MHz						
Mod.	64QAM	64QAM	64QAM	64QAM	64QAM	64QAM						
Lowest CH	1.10	2.73	4.48	9.03	13.43	18.26						
Middle CH	1.08	2.72	4.48	8.97	13.40	18.38						
Highest CH	1.09	2.73	4.51	8.93	13.46	18.30						

Mode	LTE Band 26 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		CH26765	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.72	2.72	4.49	4.48	9.09	8.99	13.46	13.46	13.49	13.37
Middle CH	1.09	1.09	2.72	2.71	4.50	4.48	9.03	9.05	13.49	13.46	-	-
Highest CH	1.08	1.08	2.72	2.72	4.48	4.49	9.09	8.99	13.46	13.43	-	-
BW	1.4MHz	3MHz	5MHz	10MHz	15MHz	CH26765						
Mod.	64QAM	64QAM	64QAM	64QAM	64QAM	64QAM						
Lowest CH	1.09	2.72	4.49	9.07	13.46	13.46						
Middle CH	1.09	2.72	4.50	8.99	13.46	-						
Highest CH	1.09	2.75	4.50	9.01	13.46	-						

Mode	LTE Band 38 : 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	4.50	4.50	9.03	9.01	13.40	13.40	18.18	18.14	4.44	9.07	13.37	18.50
Middle CH	4.49	4.47	9.03	9.01	13.43	13.40	18.22	18.26	4.50	9.07	13.49	18.26
Highest CH	4.48	4.51	9.01	8.97	13.43	13.43	18.30	18.18	4.49	9.01	13.46	18.50

Mode	LTE Band 41 : 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	4.50	4.50	9.01	9.05	13.40	13.49	18.42	18.34	4.48	8.99	13.37	18.38
Middle CH	4.49	4.50	9.05	9.07	13.46	13.28	18.46	18.38	4.49	9.09	13.46	18.38
Highest CH	4.49	4.51	9.03	9.03	13.46	13.46	18.30	18.30	4.49	8.97	13.43	18.22



Mode	LTE Band 41 : 99%OBW(MHz)								
BW	5MHz+20MHz			10MHz+20MHz			15MHz+15MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	23.33	23.28	23.18	28.11	27.99	27.93	28.53	28.65	28.59
Middle CH	23.28	23.38	23.13	28.05	27.99	27.92	28.65	28.59	28.47
Highest CH	23.38	23.28	23.23	28.11	28.11	27.99	28.59	28.65	28.47

Mode	LTE Band 41 : 99%OBW(MHz)								
BW	15MHz+20MHz			20MHz+5MHz			20MHz+10MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	32.94	32.87	32.80	23.28	23.28	23.18	28.05	27.99	27.93
Middle CH	32.87	32.87	32.73	23.33	23.23	23.18	27.99	28.05	27.93
Highest CH	32.87	32.87	32.87	23.38	23.33	23.23	28.11	28.11	27.93

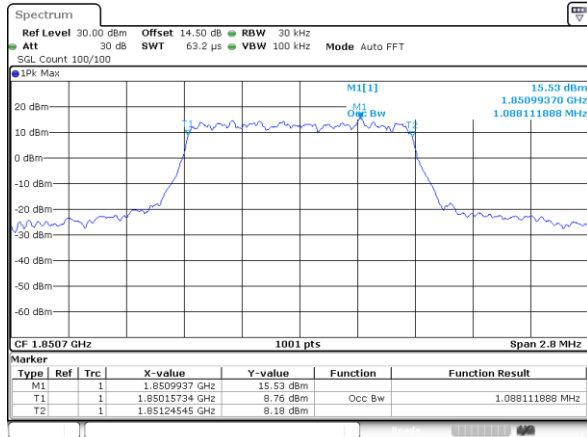
Mode	LTE Band 41 : 99%OBW(MHz)					
BW	20MHz+15MHz			20MHz+20MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	32.87	32.80	32.59	37.56	37.64	37.56
Middle CH	32.80	32.87	32.80	37.64	37.64	37.64
Highest CH	32.87	32.80	32.87	37.64	37.80	37.72

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	1.08	1.09	2.71	2.72	4.50	4.47	9.03	9.01	13.46	13.43	18.22	18.46
Middle CH	1.09	1.10	2.72	2.72	4.48	4.48	9.09	9.01	13.49	13.49	18.46	18.30
Highest CH	1.09	1.09	2.70	2.73	4.49	4.48	9.03	9.03	13.43	13.43	18.34	18.26
BW	1.4MHz	3MHz	5MHz	10MHz	15MHz	20MHz						
Mod.	64QAM	64QAM	64QAM	64QAM	64QAM	64QAM						
Lowest CH	1.09	2.72	4.49	9.03	13.46	18.46						
Middle CH	1.09	2.73	4.46	9.09	13.37	18.26						
Highest CH	1.09	2.72	4.48	9.03	13.49	18.26						

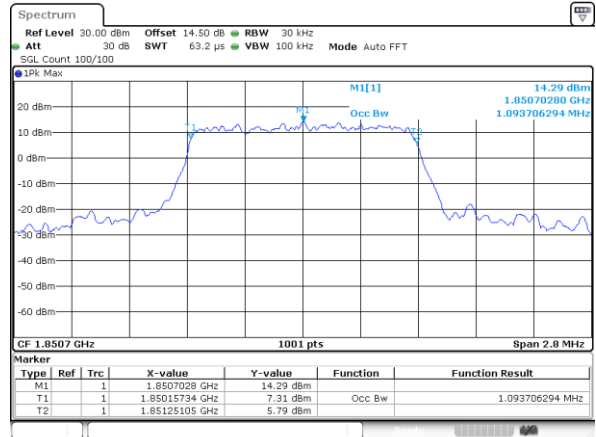


LTE Band 2

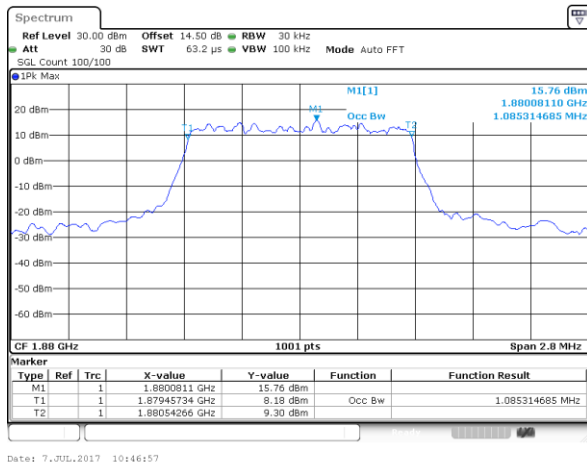
Lowest Channel / 1.4MHz / QPSK



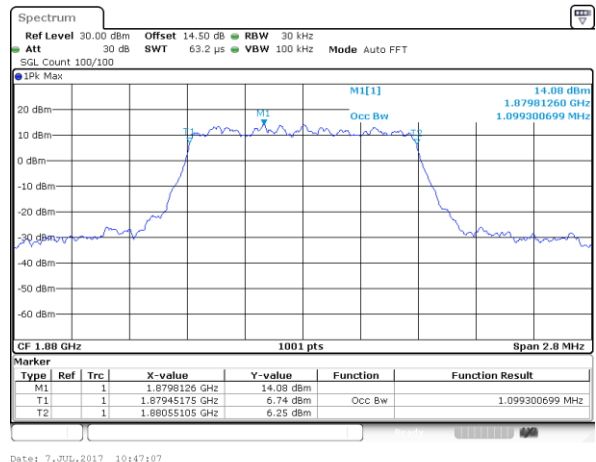
Lowest Channel / 1.4MHz / 16QAM



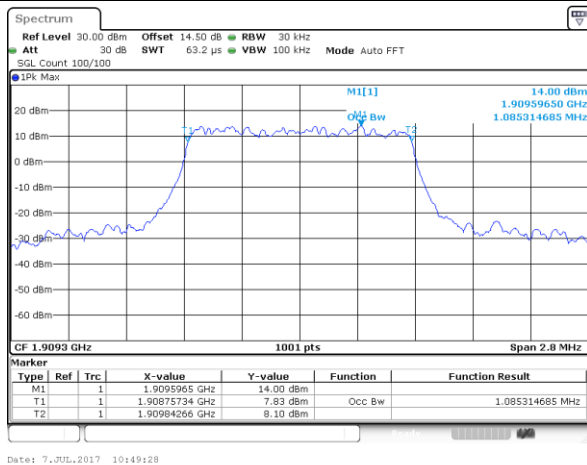
Middle Channel / 1.4MHz / QPSK



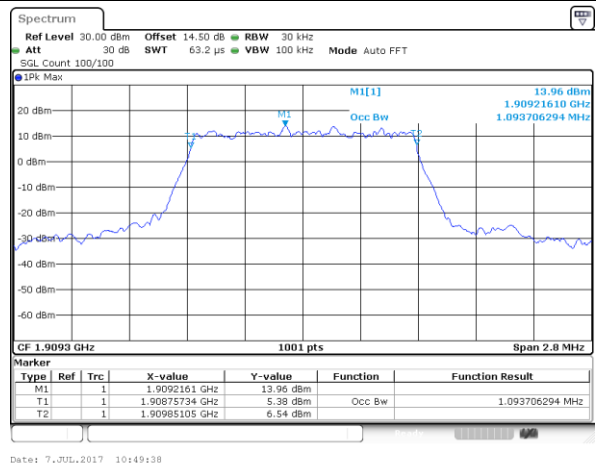
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



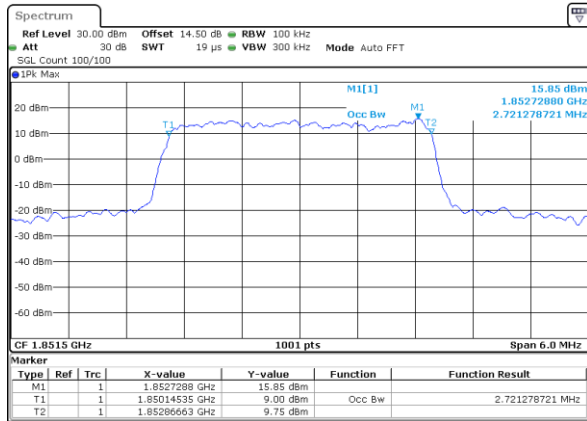
Highest Channel / 1.4MHz / 16QAM





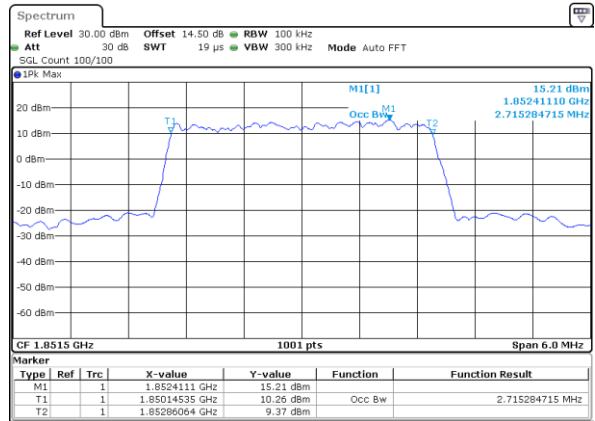
LTE Band 2

Lowest Channel / 3MHz / QPSK



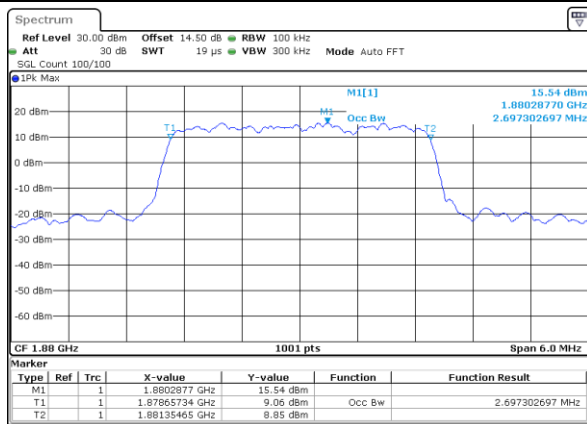
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Lowest Channel / 3MHz / 16QAM



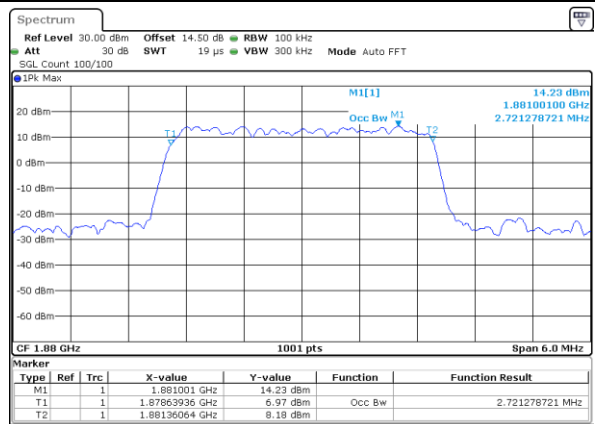
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Middle Channel / 3MHz / QPSK



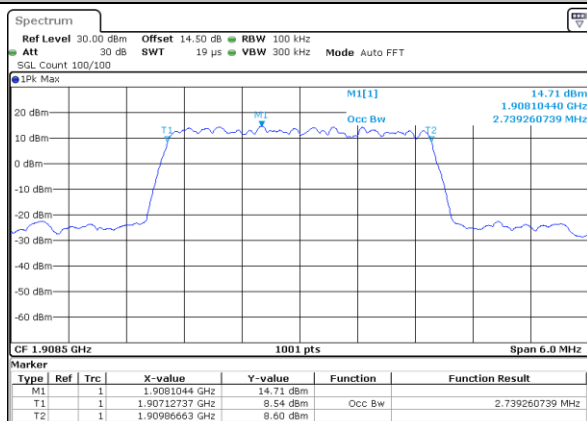
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Middle Channel / 3MHz / 16QAM



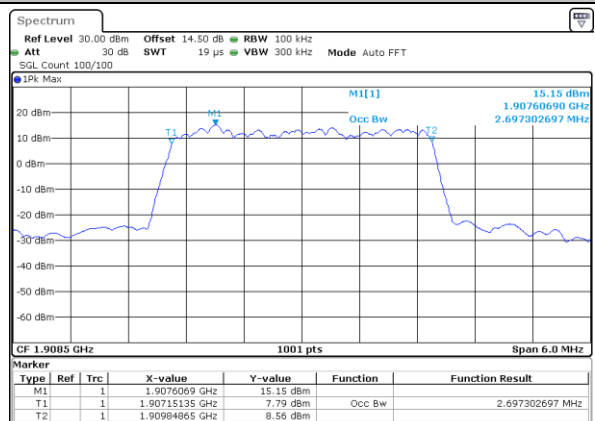
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Highest Channel / 3MHz / QPSK



Date: 7.JUL.2017 11:06:13

Highest Channel / 3MHz / 16QAM

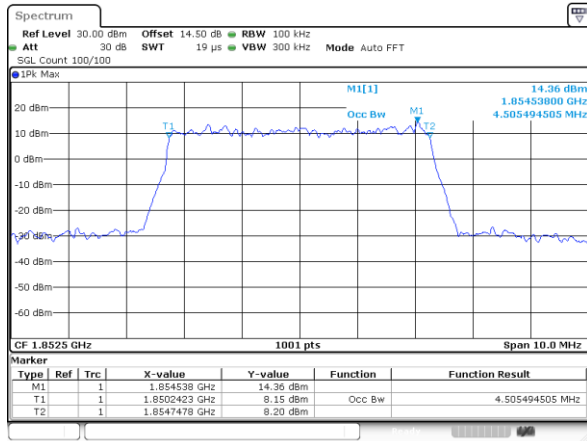


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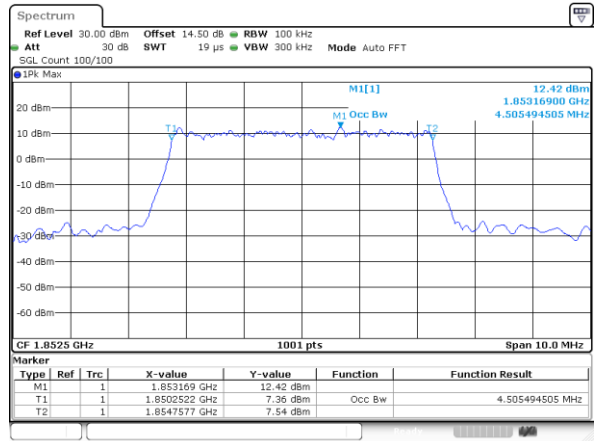


LTE Band 2

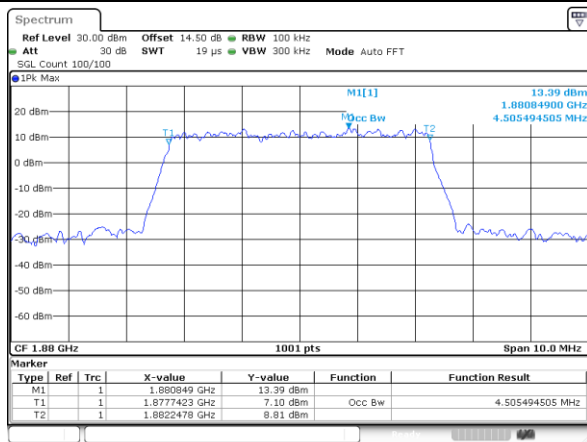
Lowest Channel / 5MHz / QPSK



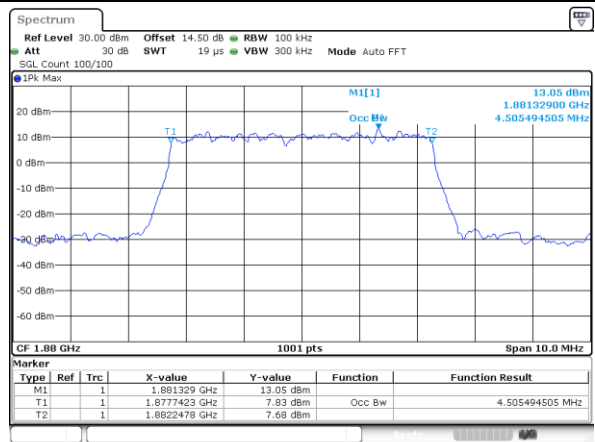
Lowest Channel / 5MHz / 16QAM



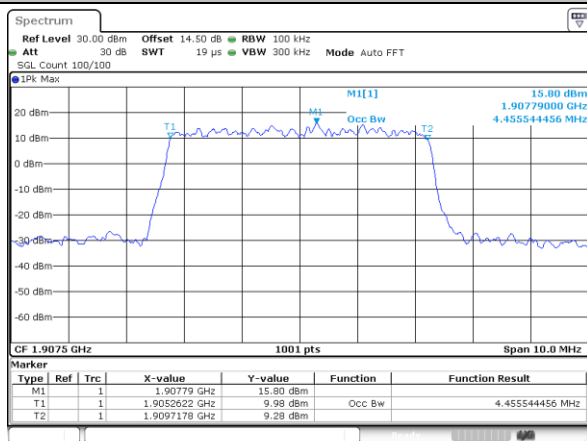
Middle Channel / 5MHz / QPSK



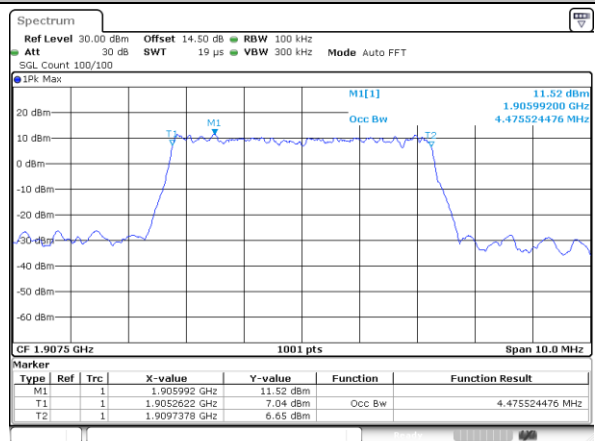
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



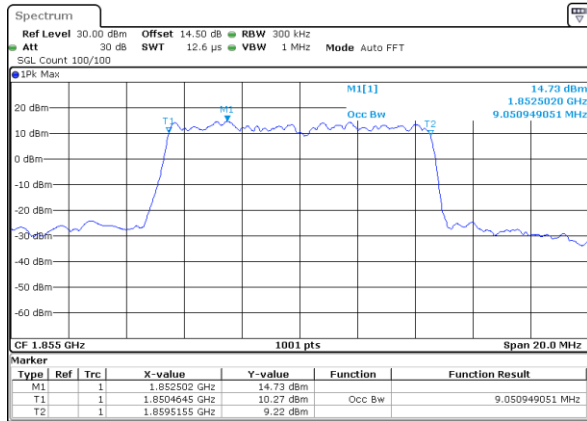
Highest Channel / 5MHz / 16QAM





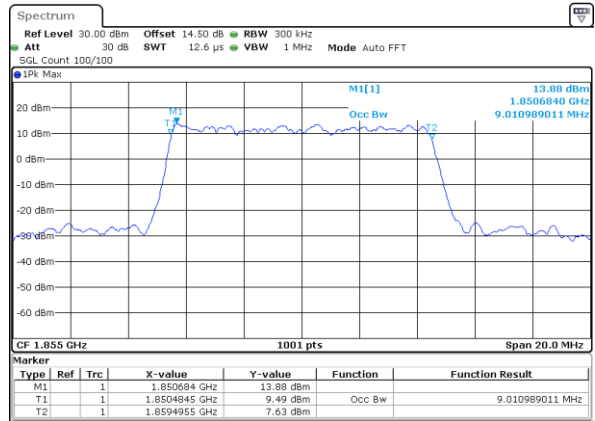
LTE Band 2

Lowest Channel / 10MHz / QPSK



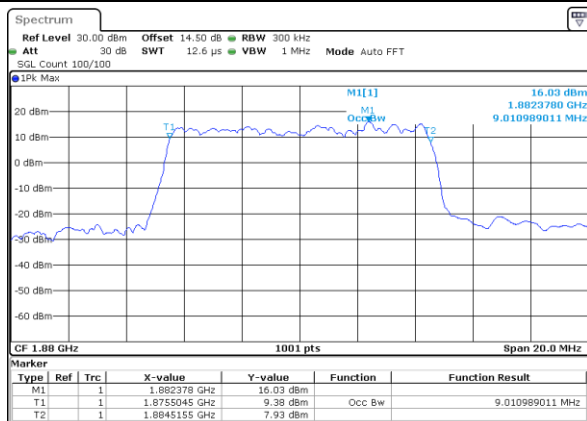
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Lowest Channel / 10MHz / 16QAM



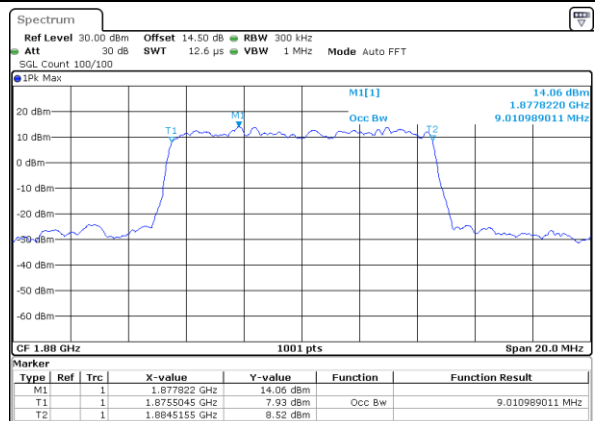
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Middle Channel / 10MHz / QPSK



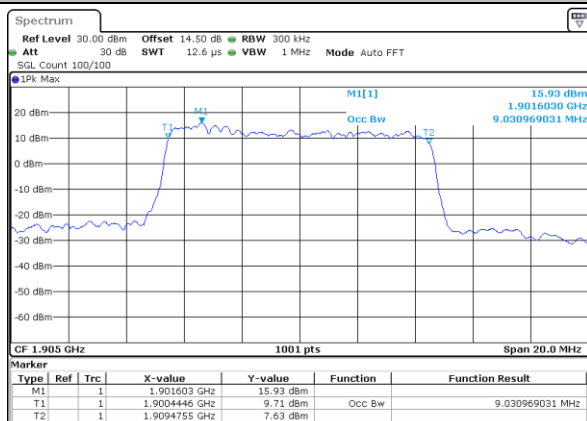
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Middle Channel / 10MHz / 16QAM



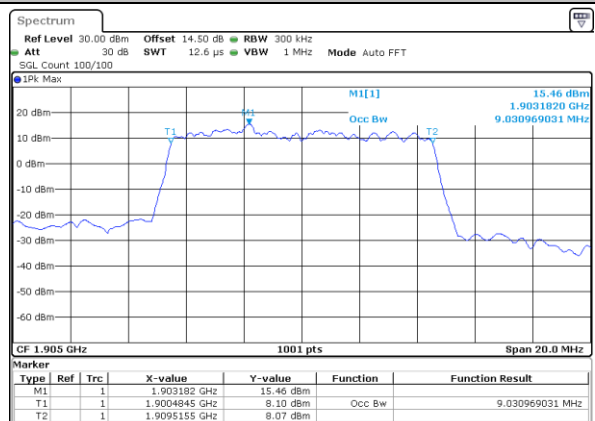
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Highest Channel / 10MHz / QPSK



Date: 7,JUL,2017 11:42:17

Highest Channel / 10MHz / 16QAM

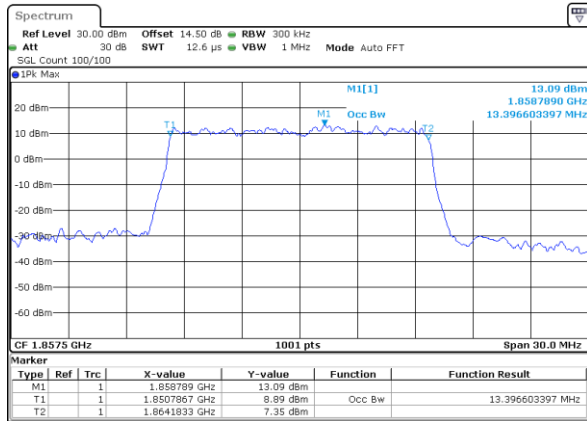


Date: 7,JUL,2017 11:42:27



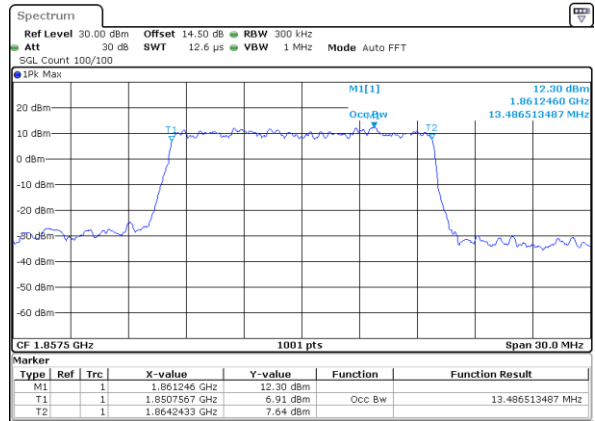
LTE Band 2

Lowest Channel / 15MHz / QPSK



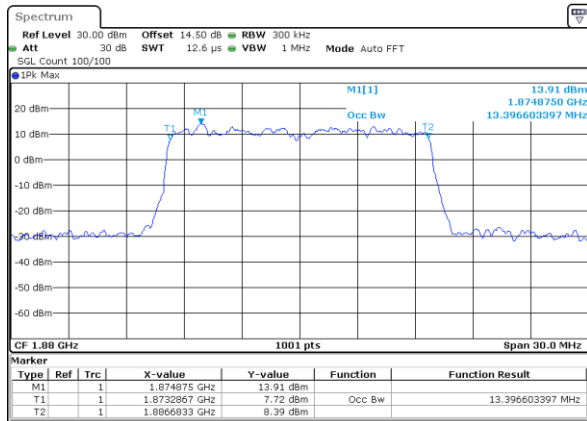
Date: 7,JUL,2017 11:49:26

Lowest Channel / 15MHz / 16QAM



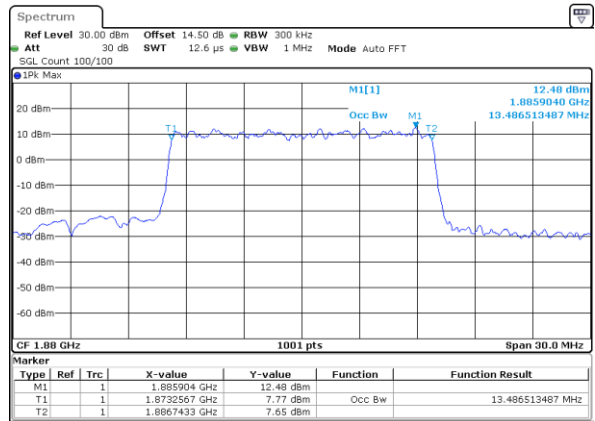
Date: 7,JUL,2017 11:49:36

Middle Channel / 15MHz / QPSK



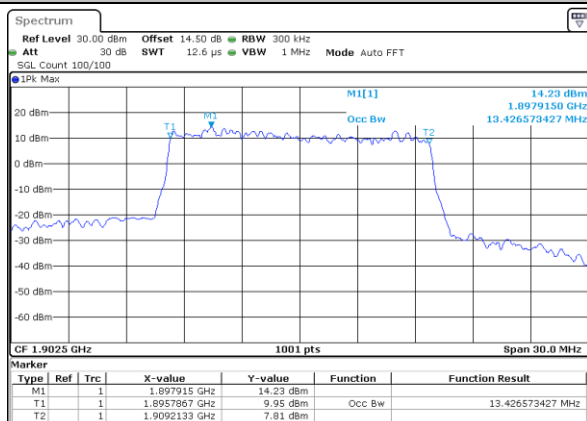
Date: 7,JUL,2017 11:56:36

Middle Channel / 15MHz / 16QAM



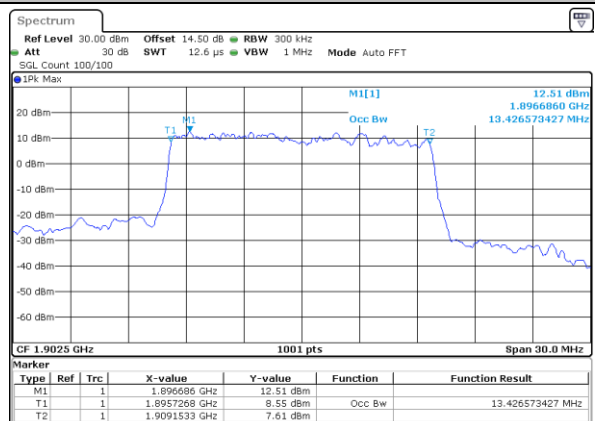
Date: 7,JUL,2017 11:56:47

Highest Channel / 15MHz / QPSK



Date: 7,JUL,2017 11:59:10

Highest Channel / 15MHz / 16QAM

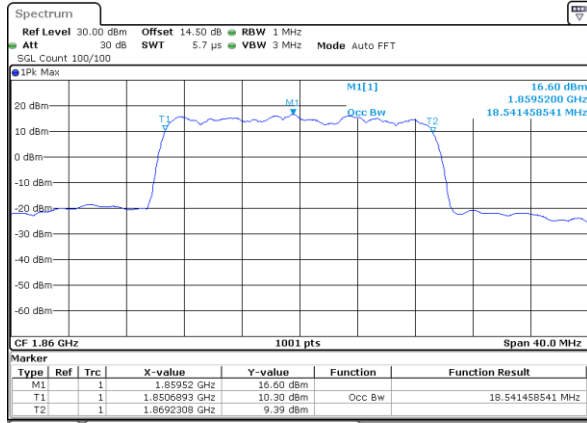


Date: 7,JUL,2017 11:59:20



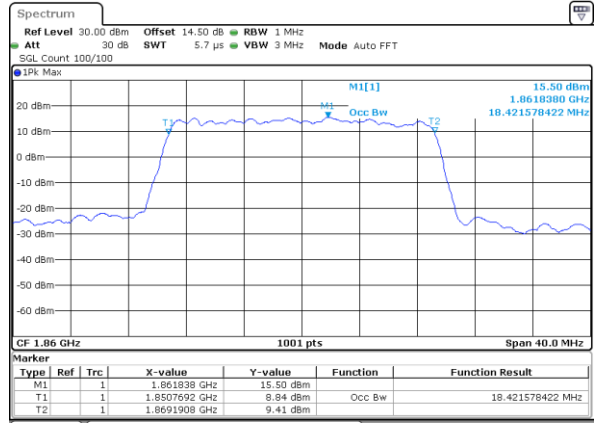
LTE Band 2

Lowest Channel / 20MHz / QPSK



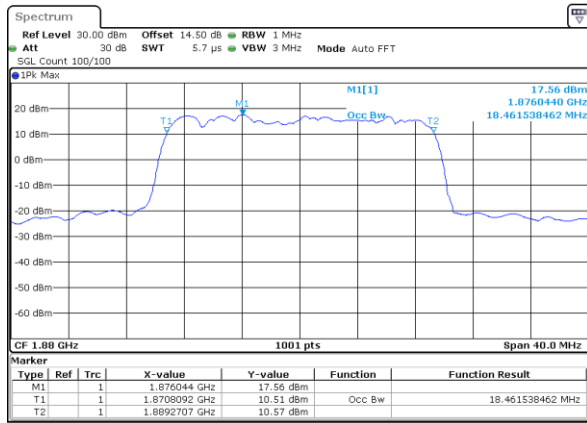
Date: 7.JUL.2017 12:06:20

Lowest Channel / 20MHz / 16QAM



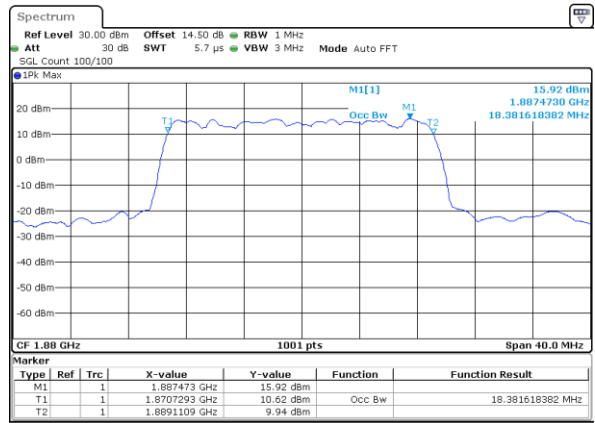
Date: 7.JUL.2017 12:06:30

Middle Channel / 20MHz / QPSK



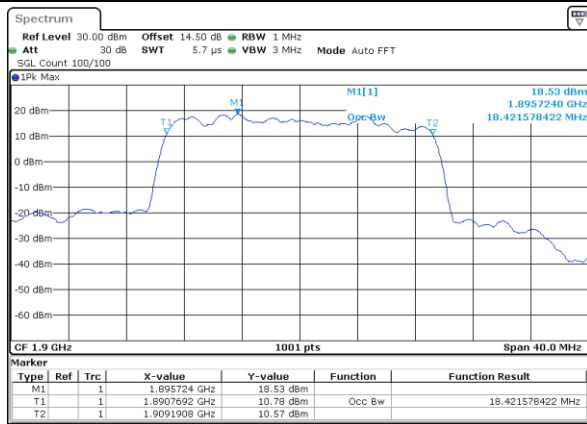
Date: 7.JUL.2017 13:45:14

Middle Channel / 20MHz / 16QAM



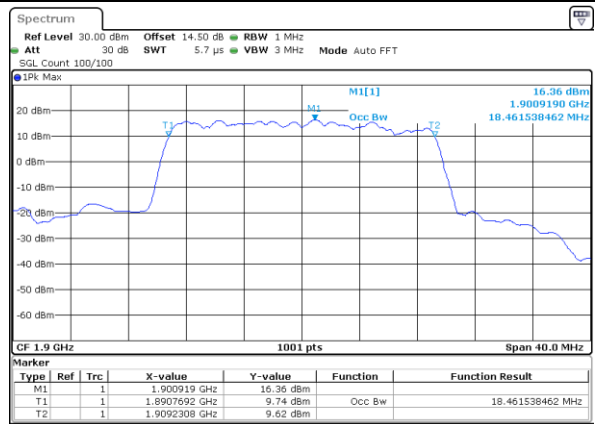
Date: 7.JUL.2017 13:45:24

Highest Channel / 20MHz / QPSK



Date: 7.JUL.2017 13:47:46

Highest Channel / 20MHz / 16QAM

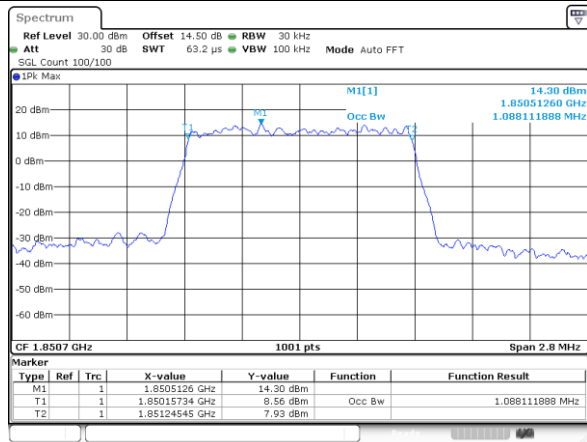


Date: 7.JUL.2017 13:47:56

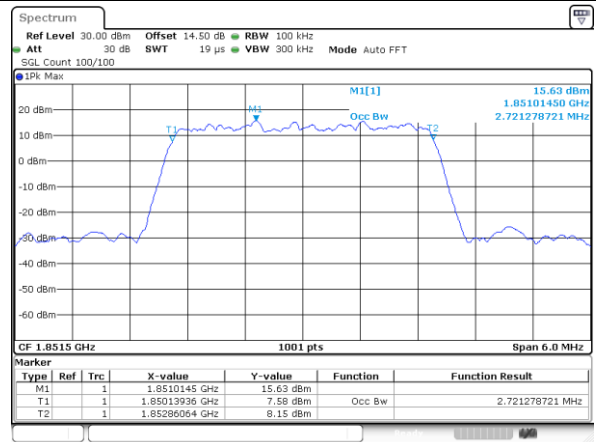


LTE Band 2

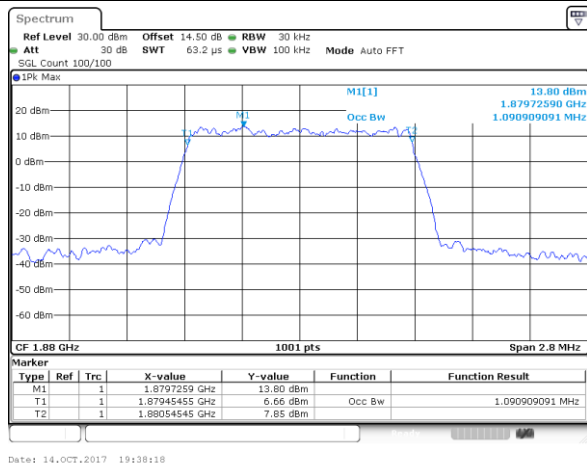
Lowest Channel / 1.4MHz / 64QAM



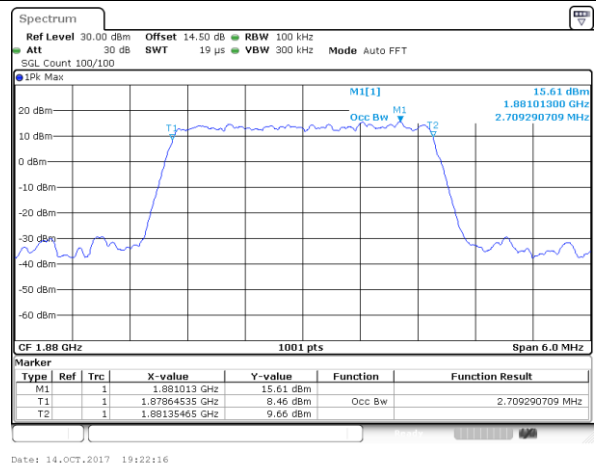
Lowest Channel / 3MHz / 64QAM



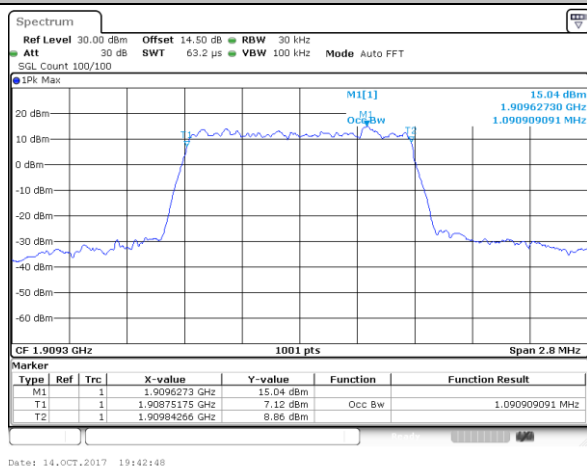
Middle Channel / 1.4MHz / 64QAM



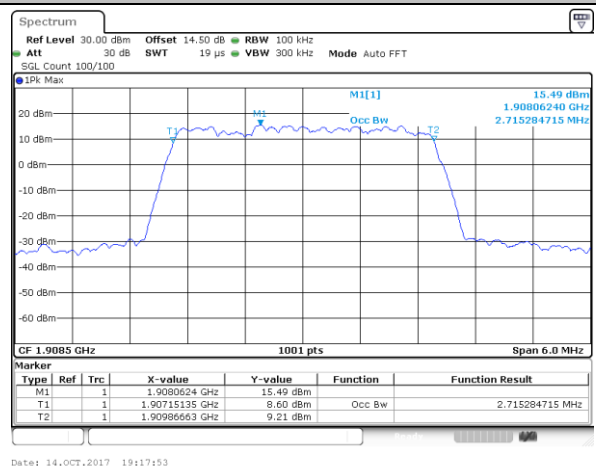
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM



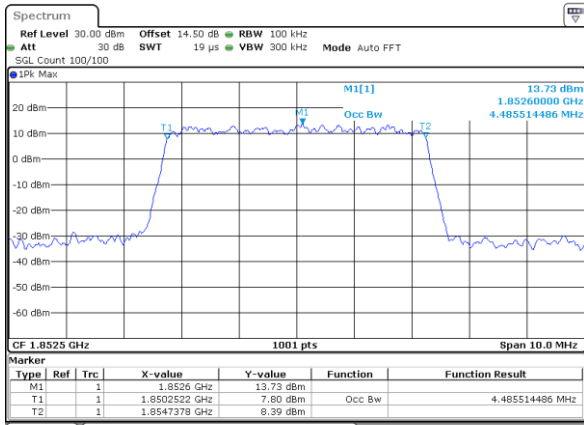
Highest Channel / 3MHz / 64QAM





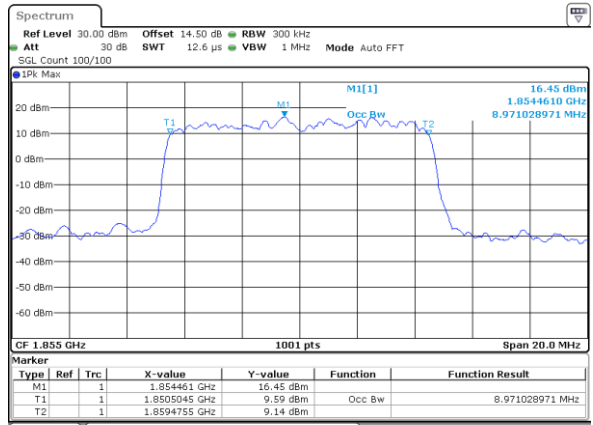
LTE Band 2

Lowest Channel / 5MHz / 64QAM



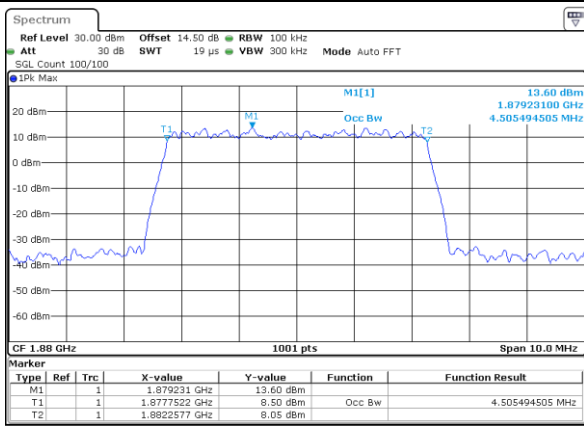
Date: 26.SEP.2017 23:16:21

Lowest Channel / 10MHz / 64QAM



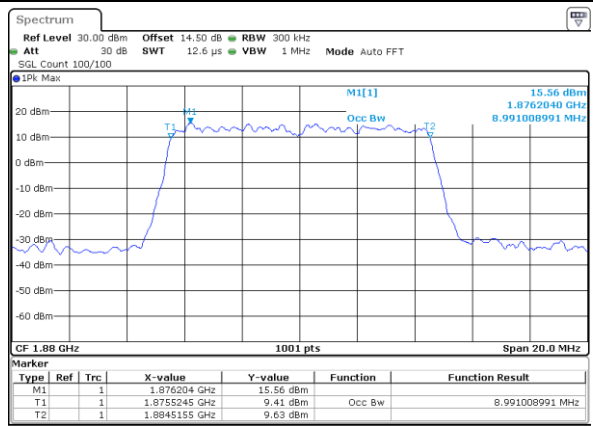
Date: 26.SEP.2017 23:24:46

Middle Channel / 5MHz / 64QAM



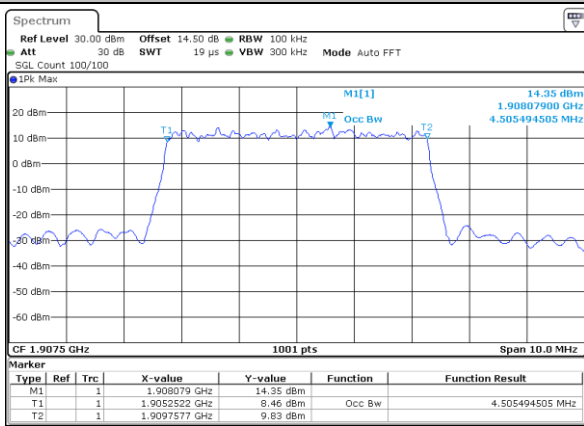
Date: 26.SEP.2017 23:19:55

Middle Channel / 10MHz / 64QAM



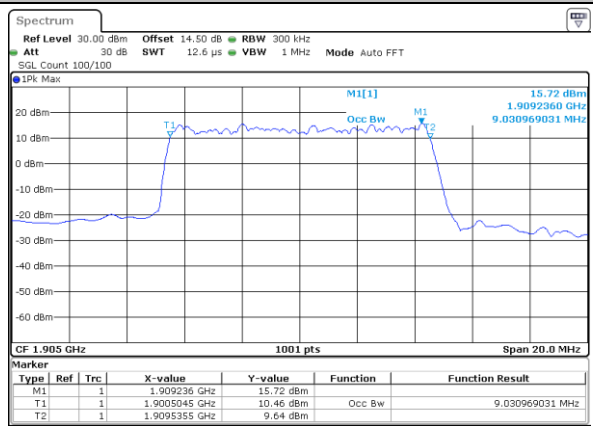
Date: 26.SEP.2017 23:28:19

Highest Channel / 5MHz / 64QAM



Date: 26.SEP.2017 23:21:12

Highest Channel / 10MHz / 64QAM

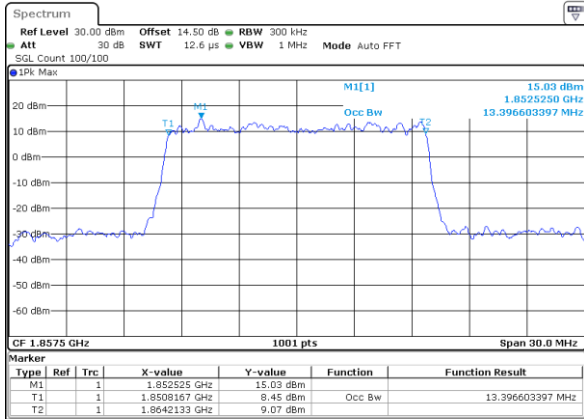


Date: 26.SEP.2017 23:29:35



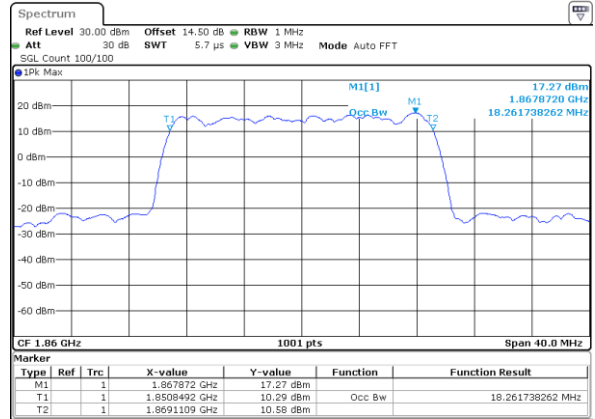
LTE Band 2

Lowest Channel / 15MHz / 64QAM



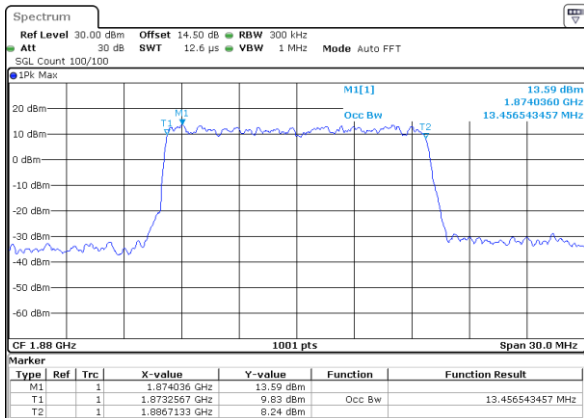
Date: 26.SEP.2017 23:33:09

Lowest Channel / 20MHz / 64QAM



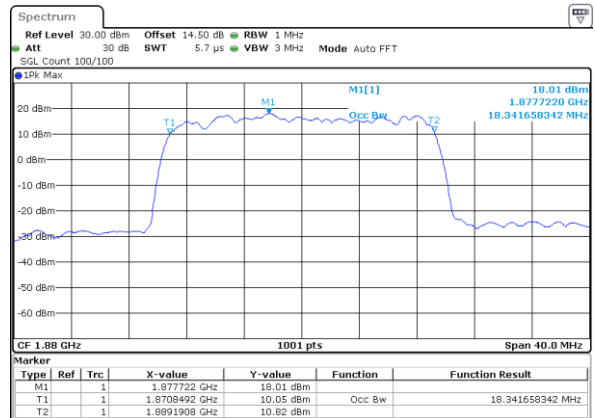
Date: 26.SEP.2017 23:41:33

Middle Channel / 15MHz / 64QAM



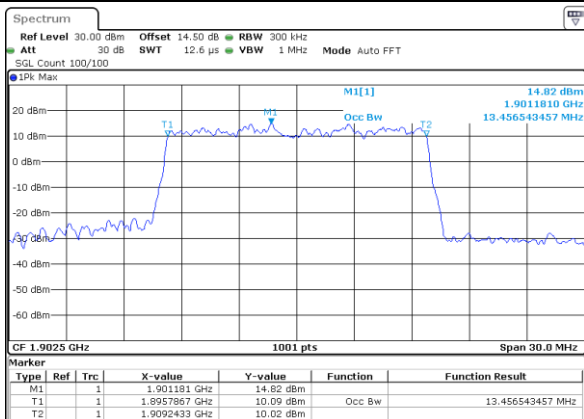
Date: 26.SEP.2017 23:36:43

Middle Channel / 20MHz / 64QAM



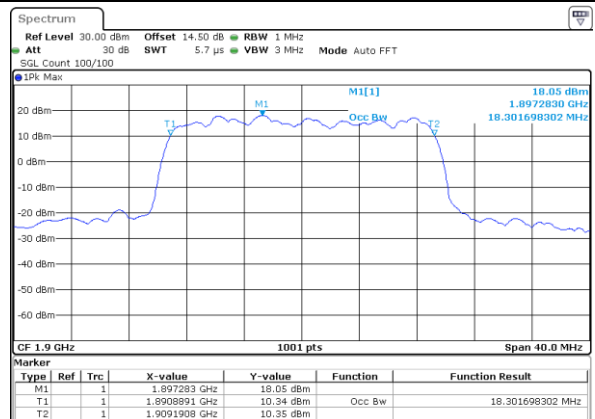
Date: 26.SEP.2017 23:45:07

Highest Channel / 15MHz / 64QAM



Date: 26.SEP.2017 23:37:59

Highest Channel / 20MHz / 64QAM

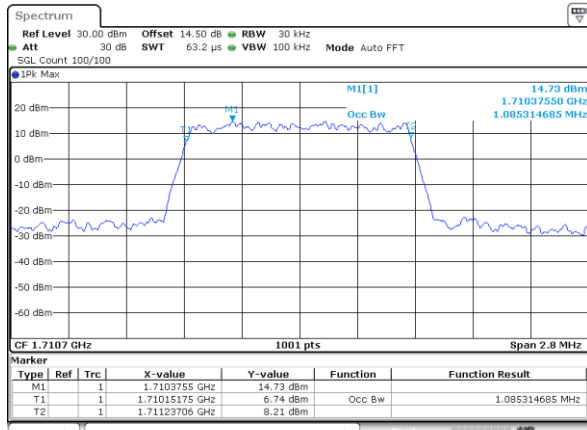


Date: 26.SEP.2017 23:46:23

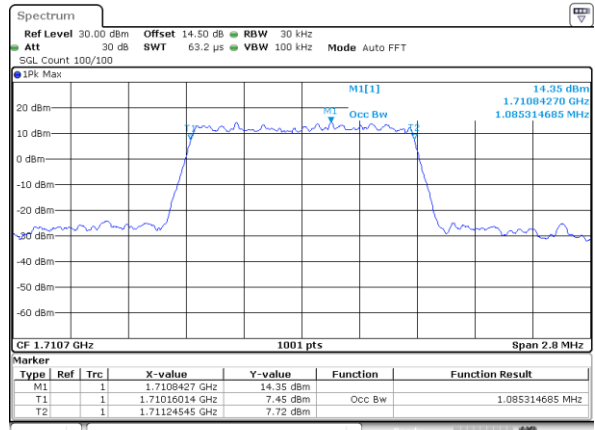


LTE Band 4

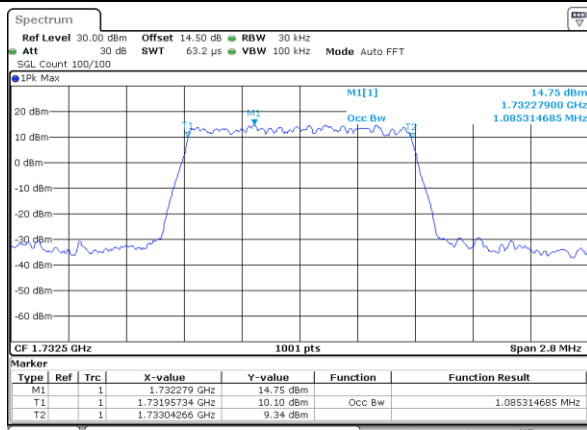
Lowest Channel / 1.4MHz / QPSK



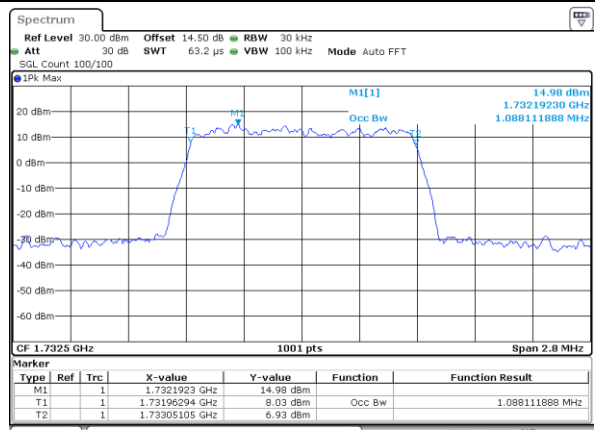
Lowest Channel / 1.4MHz / 16QAM



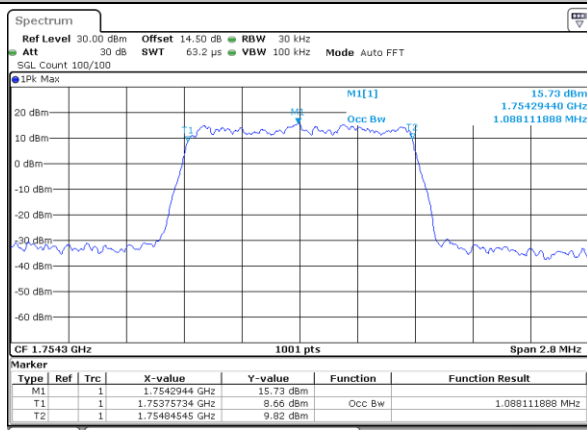
Middle Channel / 1.4MHz / QPSK



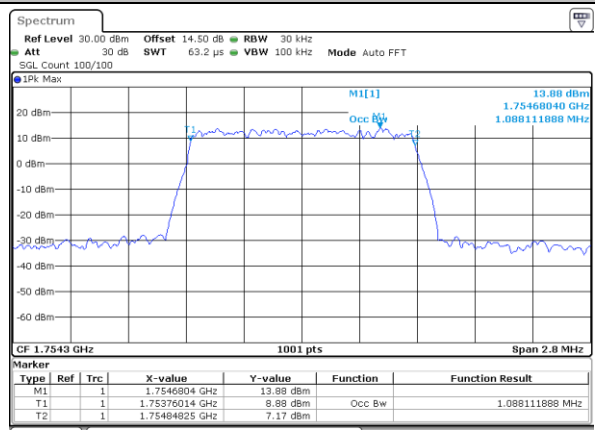
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



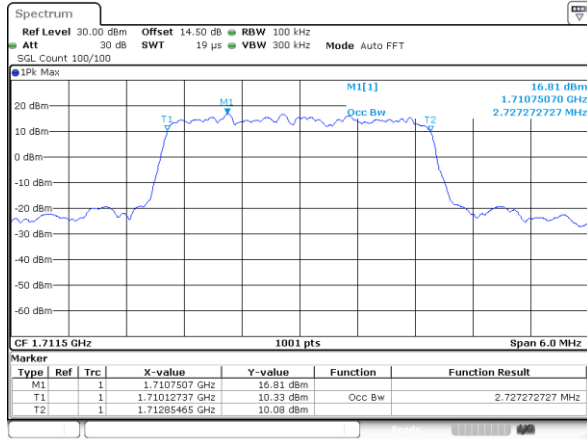
Highest Channel / 1.4MHz / 16QAM



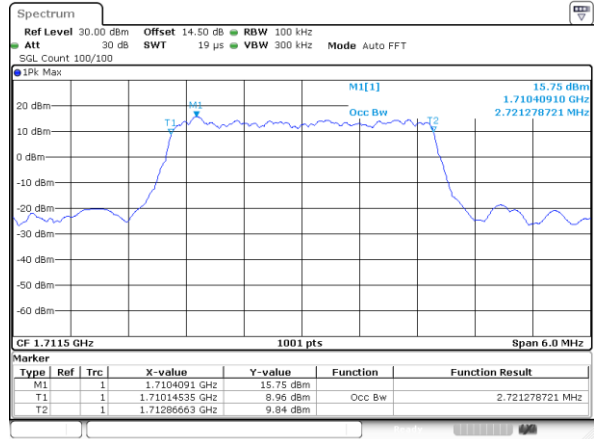


LTE Band 4

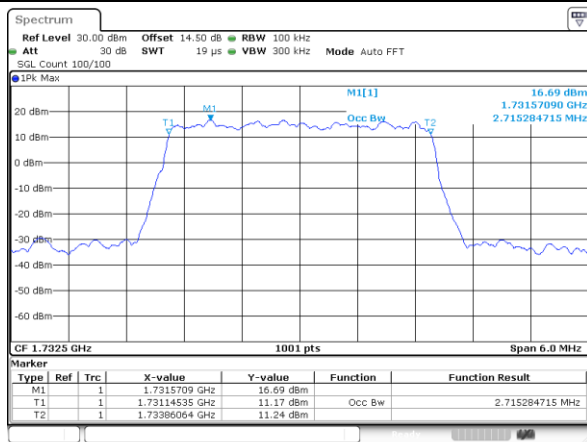
Lowest Channel / 3MHz / QPSK



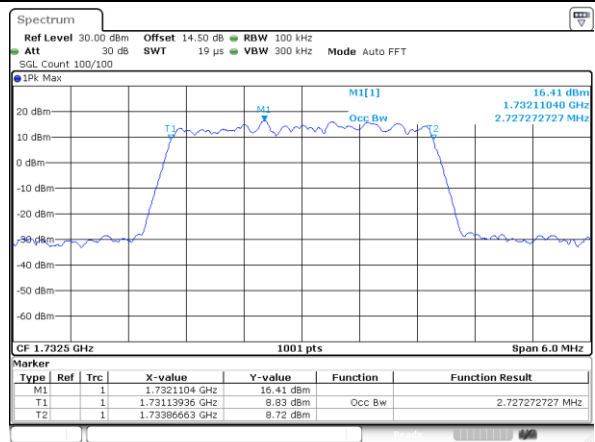
Lowest Channel / 3MHz / 16QAM



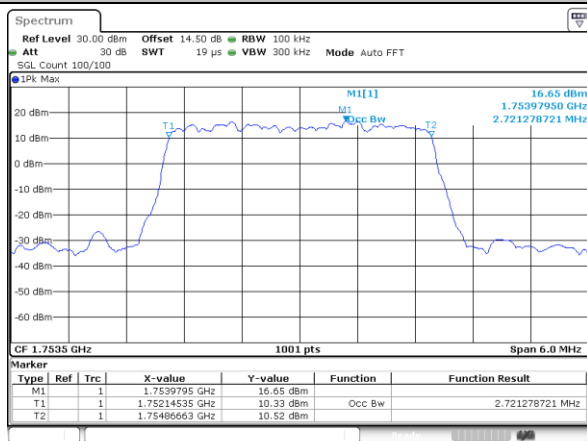
Middle Channel / 3MHz / QPSK



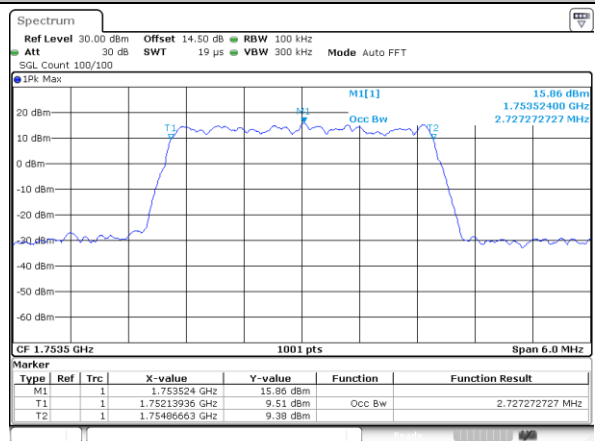
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



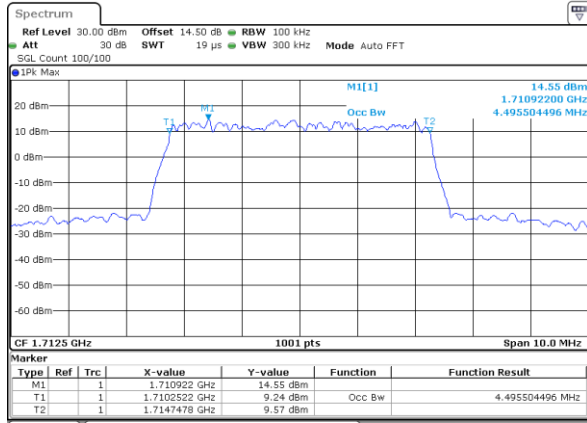
Highest Channel / 3MHz / 16QAM





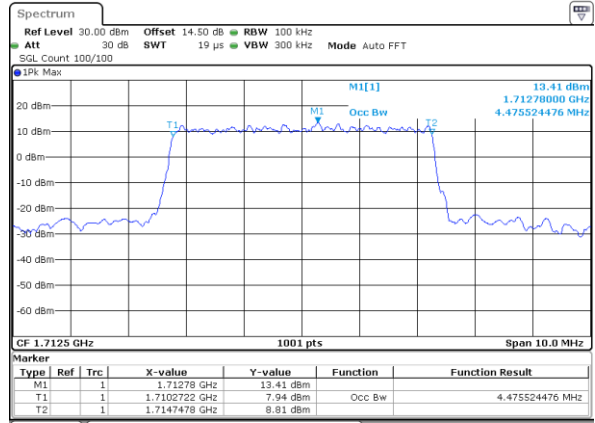
LTE Band 4

Lowest Channel / 5MHz / QPSK



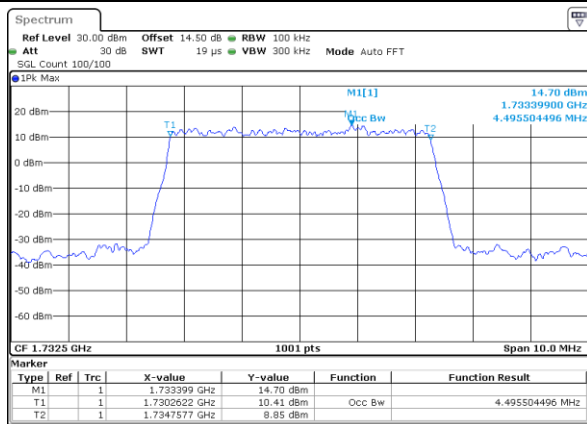
Date: 21.SEP.2017 03:38:21

Lowest Channel / 5MHz / 16QAM



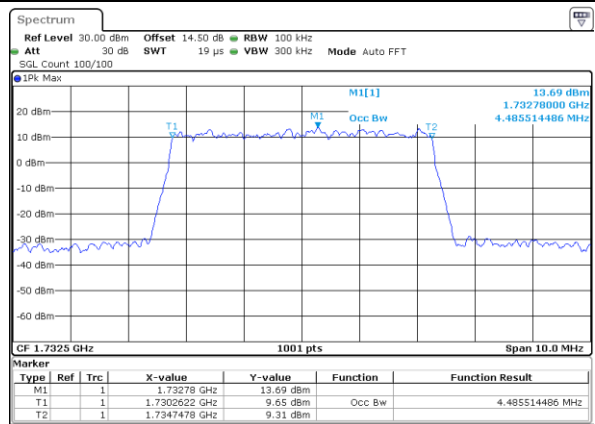
Date: 21.SEP.2017 03:38:31

Middle Channel / 5MHz / QPSK



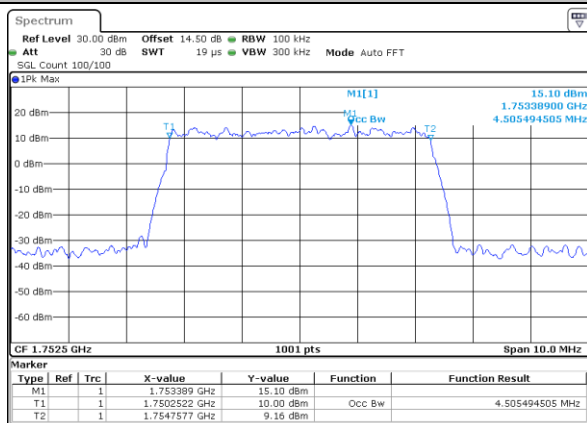
Date: 21.SEP.2017 03:45:31

Middle Channel / 5MHz / 16QAM



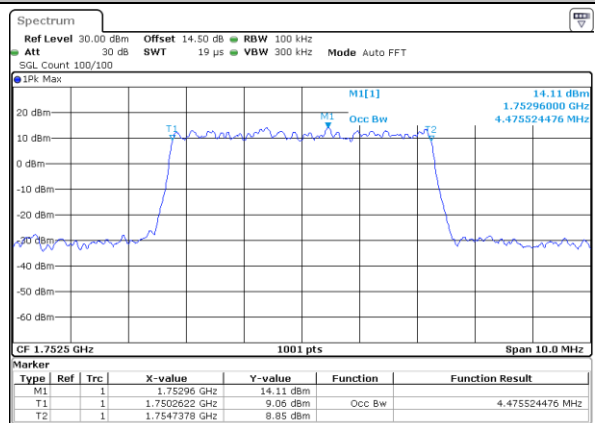
Date: 21.SEP.2017 03:45:41

Highest Channel / 5MHz / QPSK



Date: 21.SEP.2017 03:48:04

Highest Channel / 5MHz / 16QAM

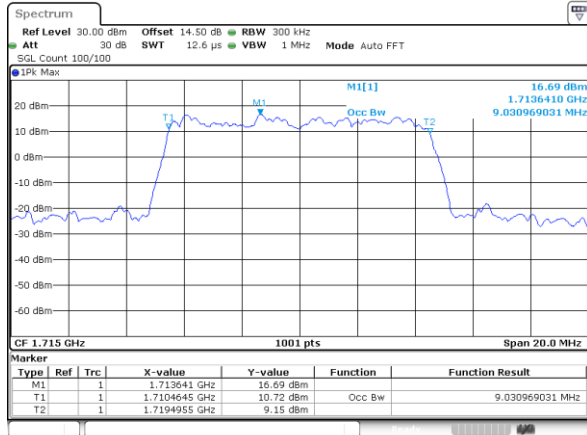


Date: 21.SEP.2017 03:48:14

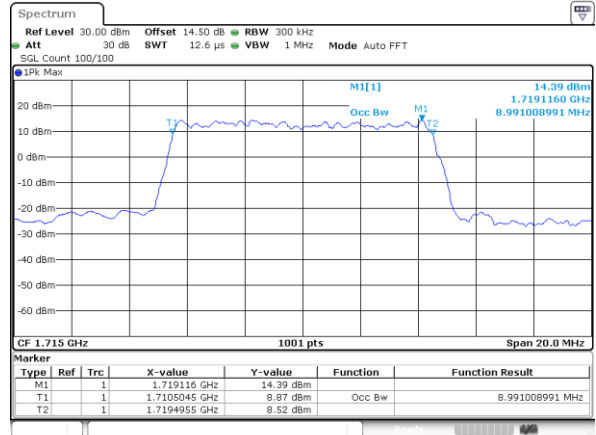


LTE Band 4

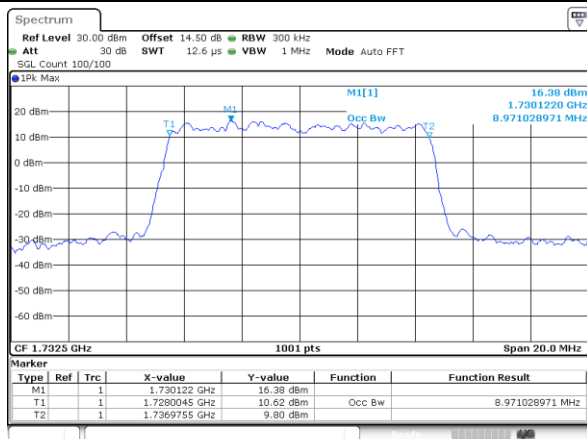
Lowest Channel / 10MHz / QPSK



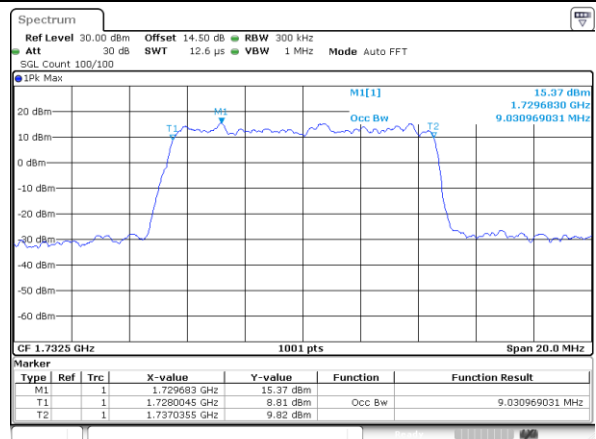
Lowest Channel / 10MHz / 16QAM



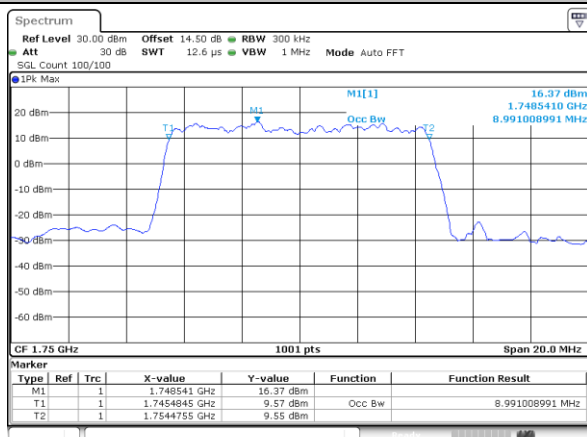
Middle Channel / 10MHz / QPSK



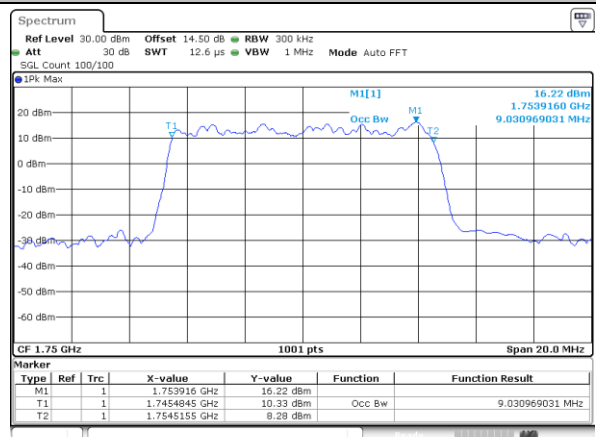
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



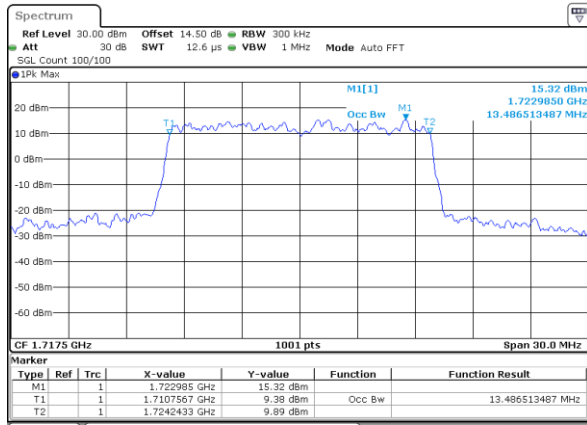
Highest Channel / 10MHz / 16QAM



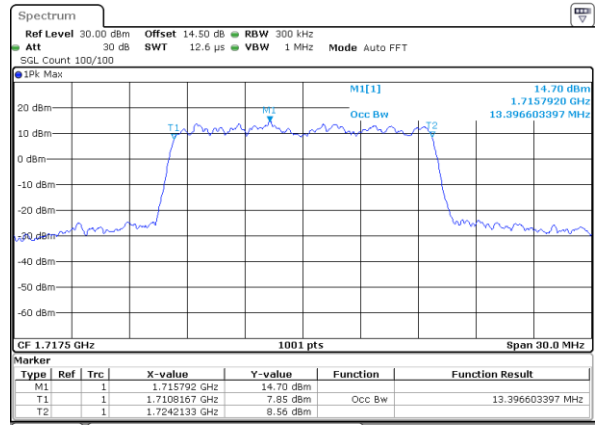


LTE Band 4

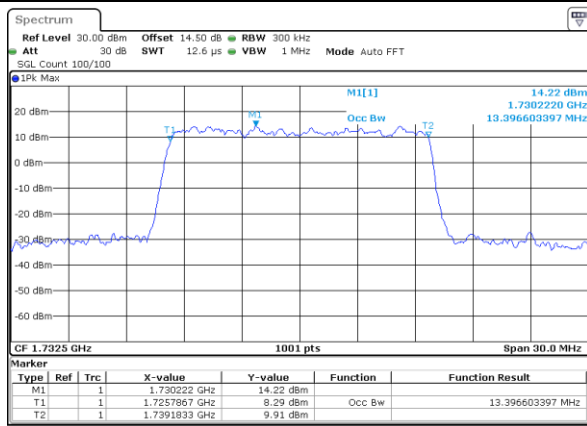
Lowest Channel / 15MHz / QPSK



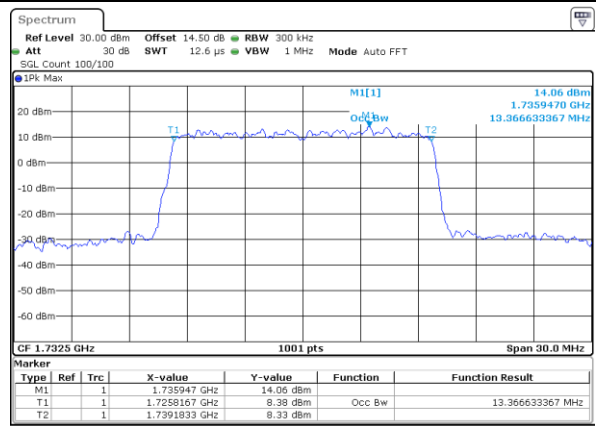
Lowest Channel / 15MHz / 16QAM



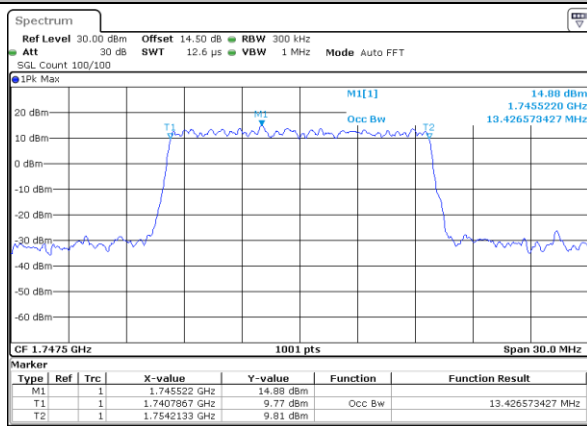
Middle Channel / 15MHz / QPSK



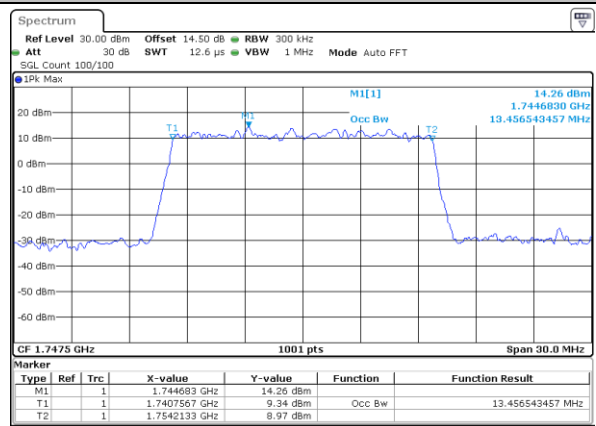
Middle Channel / 15MHz / 16QAM

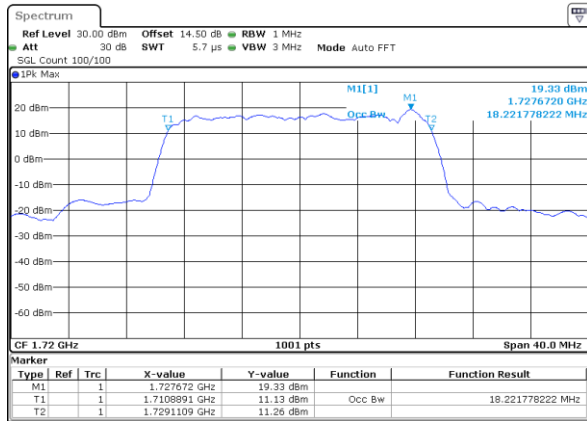


Highest Channel / 15MHz / QPSK

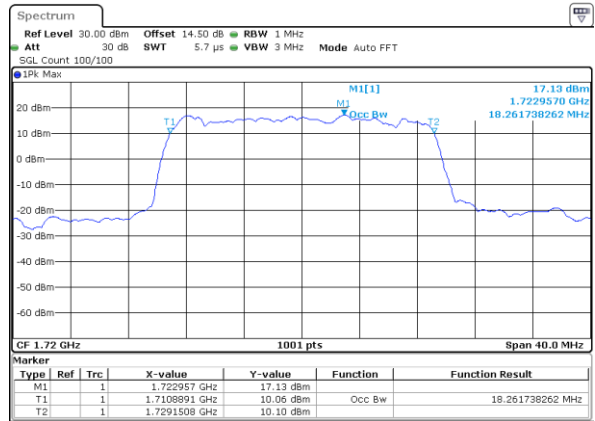


Highest Channel / 15MHz / 16QAM

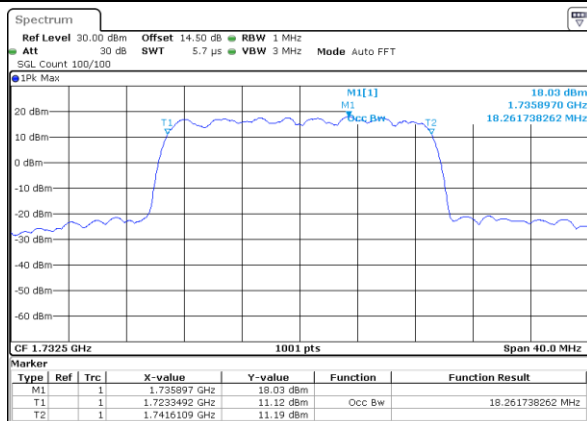


**LTE Band 4****Lowest Channel / 20MHz / QPSK**

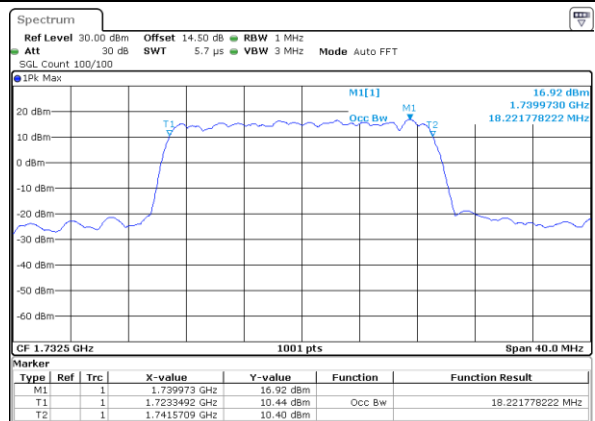
Date: 21.SEP.2017 04:29:00

Lowest Channel / 20MHz / 16QAM

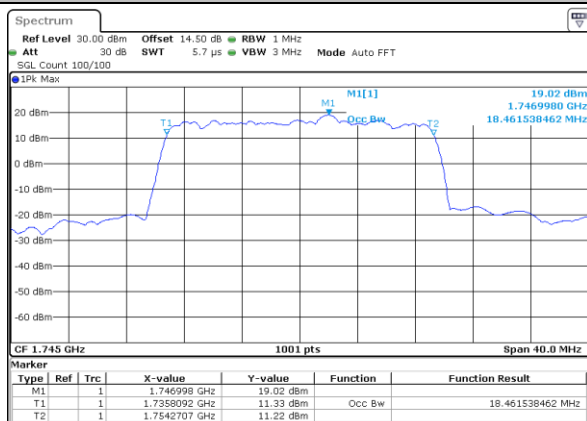
Date: 21.SEP.2017 04:29:10

Middle Channel / 20MHz / QPSK

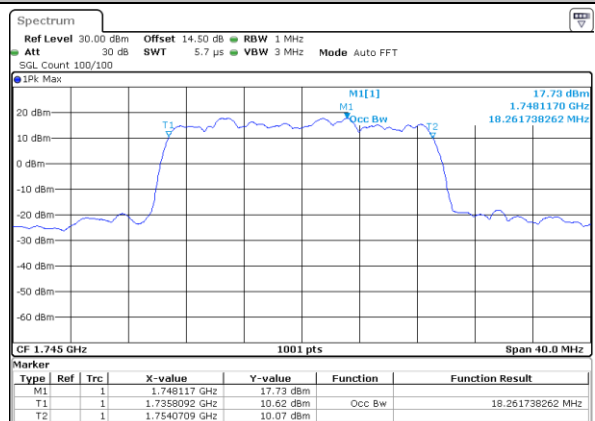
Date: 21.SEP.2017 04:36:11

Middle Channel / 20MHz / 16QAM

Date: 21.SEP.2017 04:36:21

Highest Channel / 20MHz / QPSK

Date: 21.SEP.2017 04:38:43

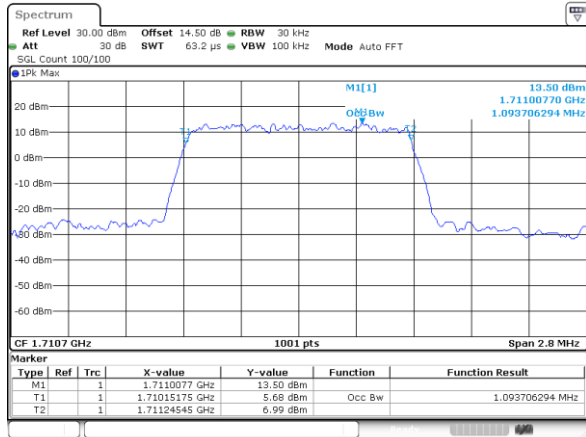
Highest Channel / 20MHz / 16QAM

Date: 21.SEP.2017 04:38:53

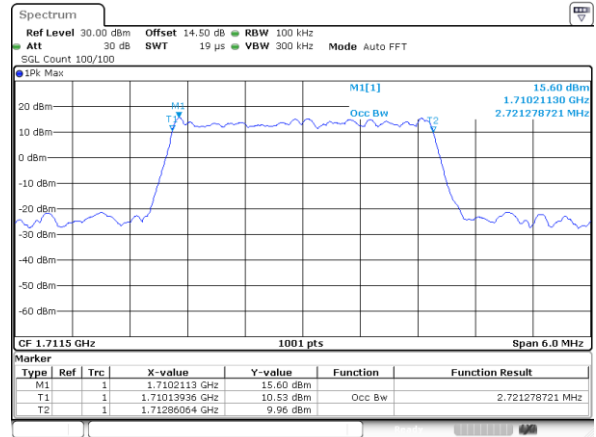


LTE Band 4

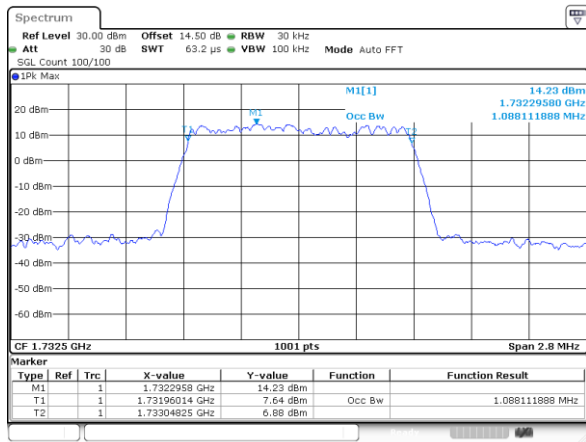
Lowest Channel / 1.4MHz / 64QAM



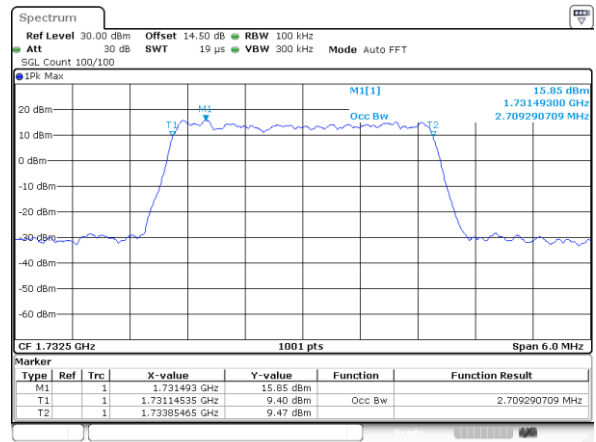
Lowest Channel / 3MHz / 64QAM



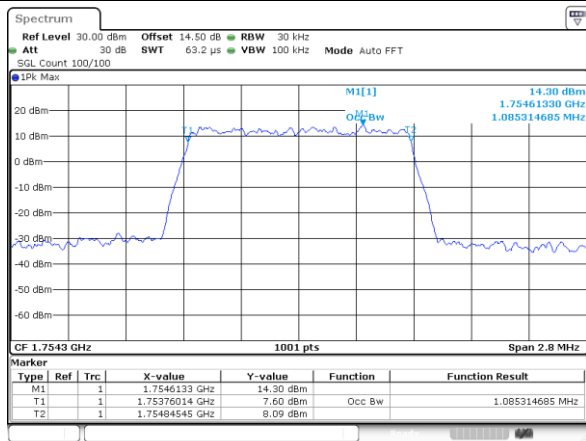
Middle Channel / 1.4MHz / 64QAM



Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM



Highest Channel / 3MHz / 64QAM

