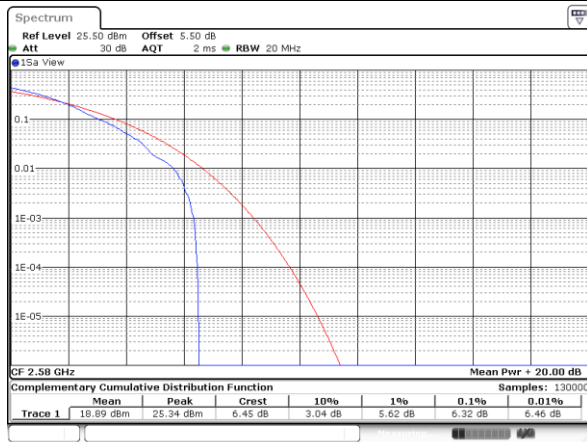




LTE Band 38 / 20MHz / 64QAM

Lowest Channel / 1RB



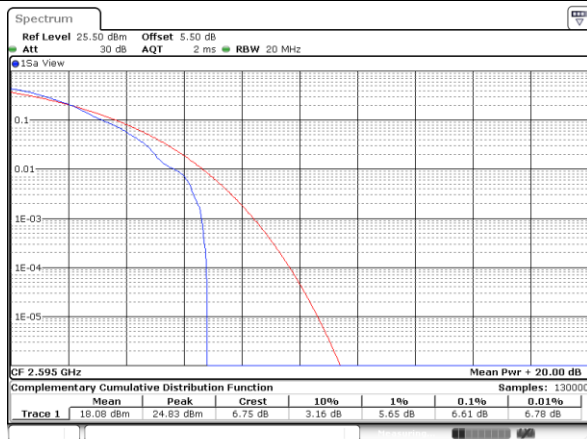
Date: 8 MAY 2018 21:19:09

Lowest Channel / Full RB



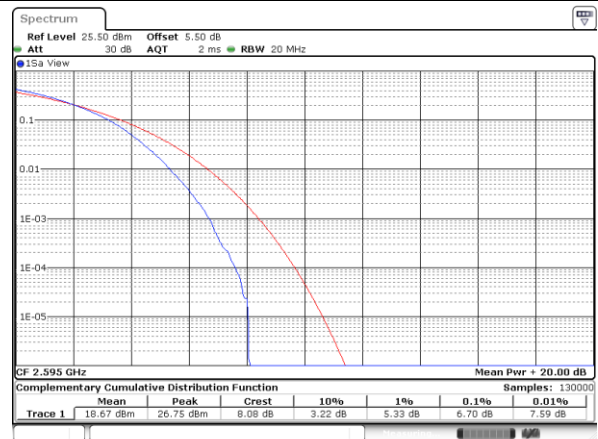
Date: 8 MAY 2018 21:19:25

Middle Channel / 1RB



Date: 8 MAY 2018 21:18:00

Middle Channel / Full RB



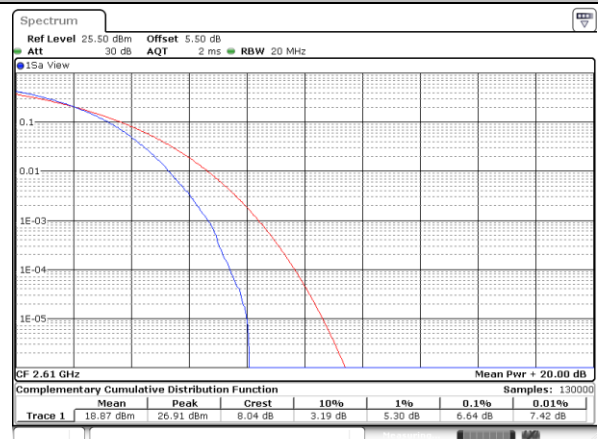
Date: 8 MAY 2018 21:17:46

Highest Channel / 1RB



Date: 8 MAY 2018 21:15:22

Highest Channel / Full RB



Date: 8 MAY 2018 21:16:11

**26dB Bandwidth**

Mode	LTE Band 2 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.225	1.236	3.003	3.021	4.935	4.865	9.81	9.79	14.595	14.116	20.3	20.14
Middle CH	1.231	1.228	3.051	3.015	4.915	4.885	9.87	9.73	14.266	14.416	20.14	20.18
Highest CH	1.214	1.239	3.039	2.967	4.915	4.825	9.81	9.85	14.326	14.206	20.34	20.22
Mode	LTE Band 2 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.225		2.973		4.755		9.83		14.326		20.18	
Middle CH	1.231		3.045		4.975		9.79		14.146		20.14	
Highest CH	1.231		2.997		4.885		9.85		14.595		20.14	

Mode	LTE Band 4 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.222	1.234	3.039	3.039	4.995	4.855	9.67	9.69	14.386	14.476	20.18	20.14
Middle CH	1.211	1.222	3.027	2.973	4.965	4.945	9.81	9.75	14.476	14.236	20.14	20.1
Highest CH	1.222	1.228	3.033	3.033	4.875	4.935	9.81	9.67	14.446	14.535	20.22	20.14
Mode	LTE Band 4 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.248		2.979		4.895		9.89		14.296		20.18	
Middle CH	1.228		3.003		4.895		9.79		14.296		20.14	
Highest CH	1.242		3.003		4.865		9.69		14.356		20.22	

Mode	LTE Band 5 : 26dB BW(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	1.24	1.24	3.00	2.99	4.95	4.94	9.65	9.73	1.23	2.99	4.97	9.77
Middle CH	1.24	1.23	3.02	3.04	4.99	4.90	9.73	9.81	1.23	2.97	4.84	9.73
Highest CH	1.23	1.22	3.00	3.04	4.97	4.80	9.71	9.95	1.22	3.01	4.89	9.75



Mode	LTE Band 7 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.805	4.915	9.85	9.83	14.356	14.535	20.22	20.14
Middle CH	-	-	-	-	4.965	4.885	9.81	9.83	14.535	14.505	20.3	20.02
Highest CH	-	-	-	-	4.935	4.875	9.71	9.99	14.386	14.565	20.38	20.18
Mode	LTE Band 7 : 26dB BW(MHz)											
BW	-		-		5MHz		10MHz		15MHz		20MHz	
Mod.	-	-	-	-	64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.945		9.95		14.505		20.14	
Middle CH	-	-	-	-	4.855		9.81		14.326		20.30	
Highest CH	-	-	-	-	4.975		9.73		14.146		20.22	

Mode	LTE Band 38 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.915	4.935	9.75	9.65	14.296	14.236	20.1	20.14
Middle CH	-	-	-	-	4.835	4.865	9.83	9.87	14.236	14.296	20.22	20.1
Highest CH	-	-	-	-	4.945	4.855	9.85	9.69	14.326	14.116	20.14	19.98
Mode	LTE Band 38 : 26dB BW(MHz)											
BW	-		-		5MHz		10MHz		15MHz		20MHz	
Mod.	-	-	-	-	64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.935		9.67		14.296		20.38	
Middle CH	-	-	-	-	4.855		9.71		14.296		20.10	
Highest CH	-	-	-	-	4.885		9.73		14.326		20.18	



For CA

Mode	LTE Band 7 : 26dB BW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+5MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	30.03	-	25.425	30.749
Middle CH	29.97	-	25.375	30.629
Highest CH	29.97	-	25.375	30.569
BW	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	35.035	30.15	35.105	40.04
Middle CH	34.825	30.03	34.895	39.88
Highest CH	35.035	30.21	35.035	39.96

Mode	LTE Band 7 : 26dB BW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+5MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	29.91	-	25.425	30.629
Middle CH	29.85	-	25.275	30.509
Highest CH	30.09	-	25.574	30.569
BW	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	35.035	30.15	35.035	39.88
Middle CH	34.965	30.09	34.965	39.72
Highest CH	34.895	30.03	35.105	39.88

Mode	LTE Band 7 : 26dB BW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+5MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	29.91	-	25.425	30.689
Middle CH	29.85	-	25.375	30.509
Highest CH	29.97	-	25.425	30.45
BW	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.895	30.15	35.035	39.96
Middle CH	34.895	30.03	34.895	39.88
Highest CH	35.035	30.15	34.965	39.96



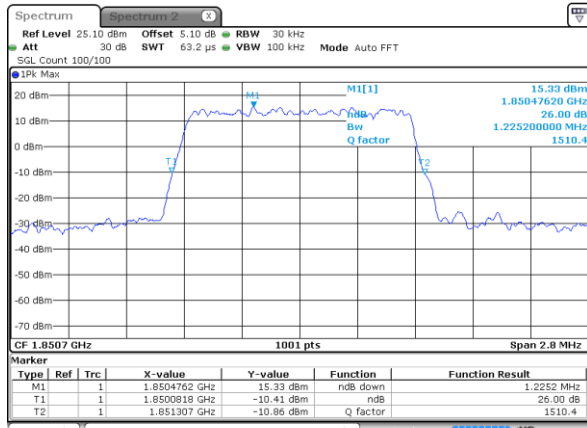
Mode	LTE Band 38 : 26dB BW(MHz)			
Mod.	QPSK		16QAM	
BW	15MHz+15MHz	20MHz+20MHz	15MHz+15MHz	20MHz+20MHz
Lowest CH	30.749	40.04	30.689	40.04
Middle CH	30.809	40.12	30.629	39.96
Highest CH	30.749	40.04	30.569	40.12

Mode	LTE Band 38 : 26dB BW(MHz)			
Mod.	64QAM		-	
BW	15MHz+15MHz	20MHz+20MHz	-	-
Lowest CH	30.749	40.04	-	-
Middle CH	30.749	39.96	-	-
Highest CH	30.629	40.04	-	-



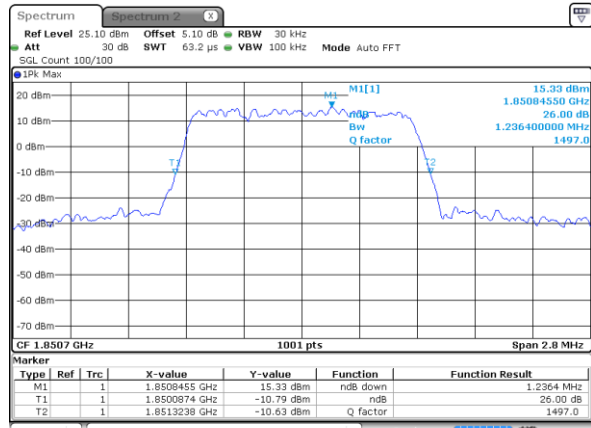
LTE Band 2

Lowest Channel / 1.4MHz / QPSK



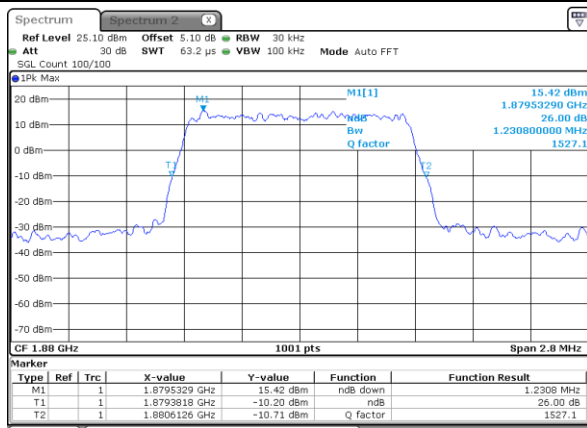
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Lowest Channel / 1.4MHz / 16QAM



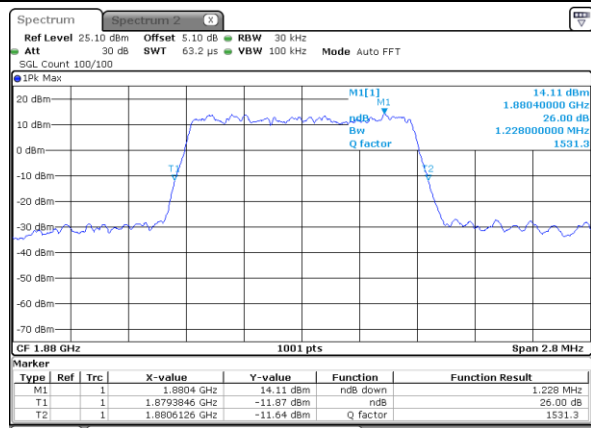
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Middle Channel / 1.4MHz / QPSK



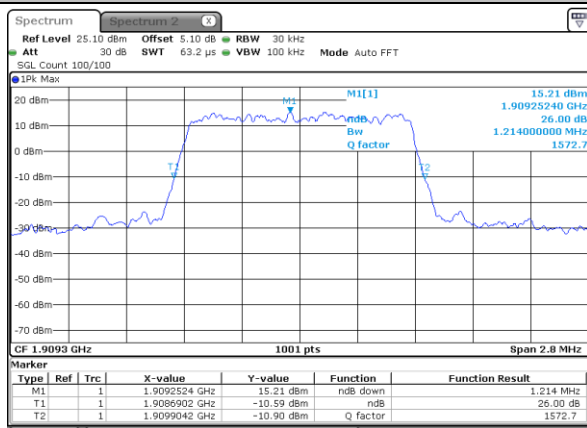
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Middle Channel / 1.4MHz / 16QAM



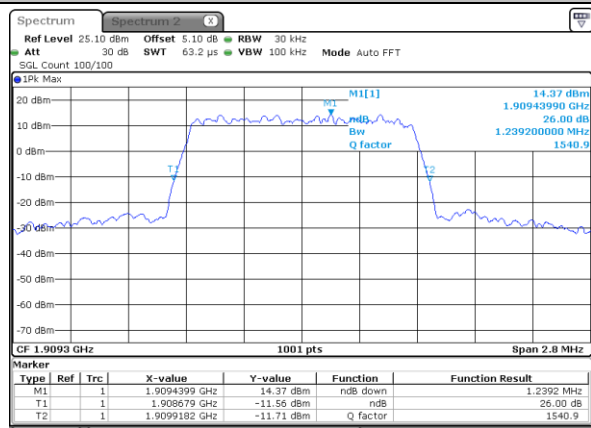
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Highest Channel / 1.4MHz / QPSK



Date: 7 MAY 2018 11:44:19

Highest Channel / 1.4MHz / 16QAM

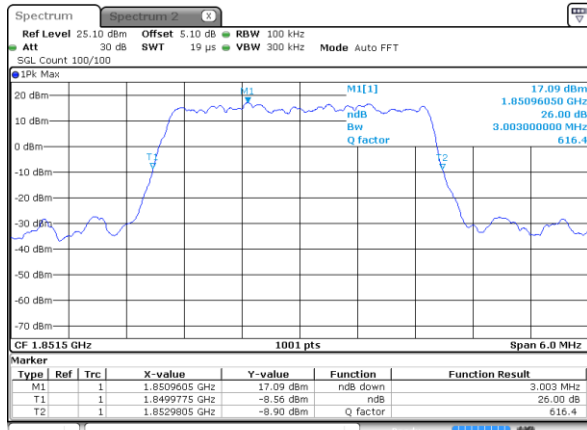


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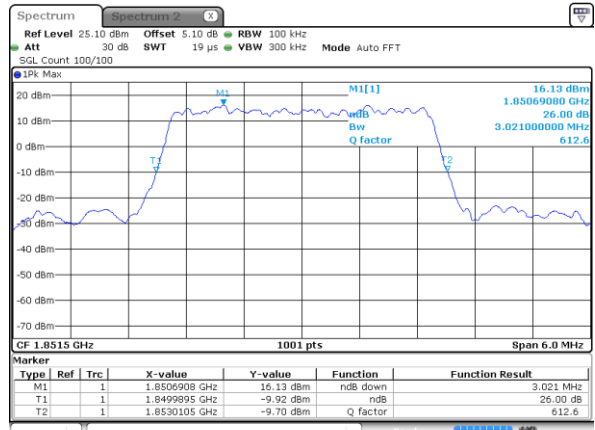


LTE Band 2

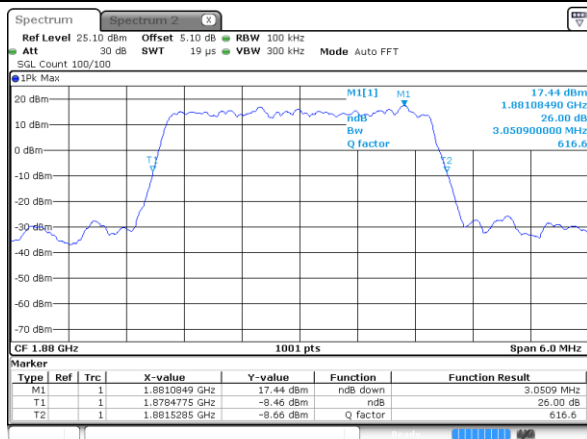
Lowest Channel / 3MHz / QPSK



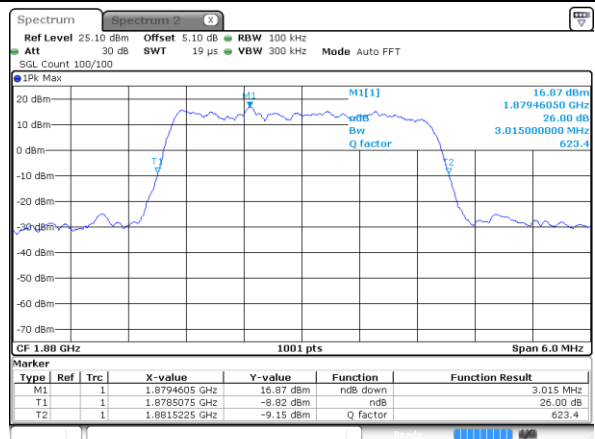
Lowest Channel / 3MHz / 16QAM



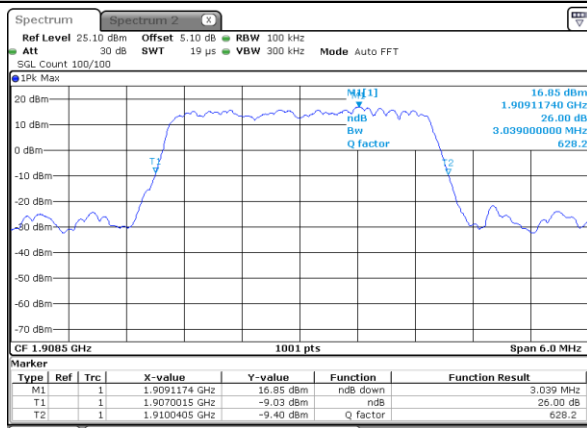
Middle Channel / 3MHz / QPSK



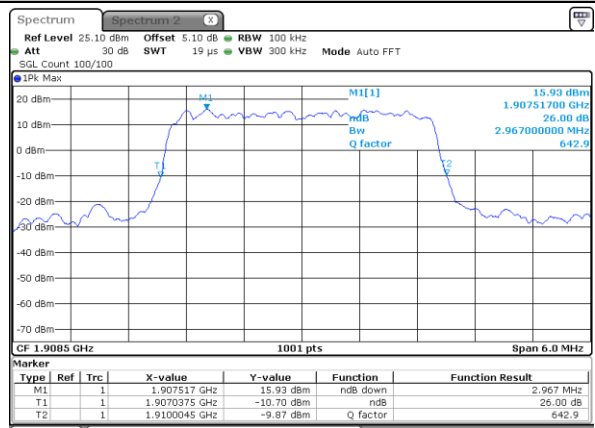
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



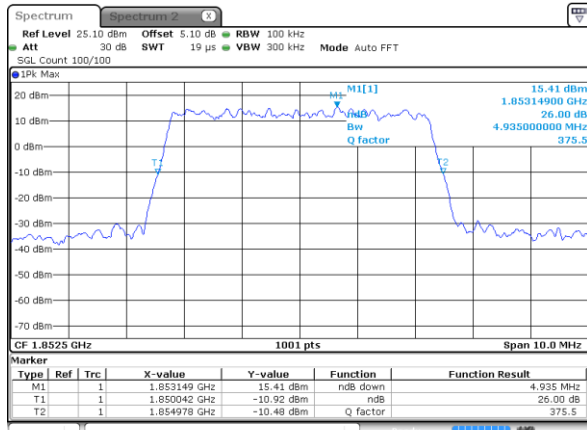
Highest Channel / 3MHz / 16QAM





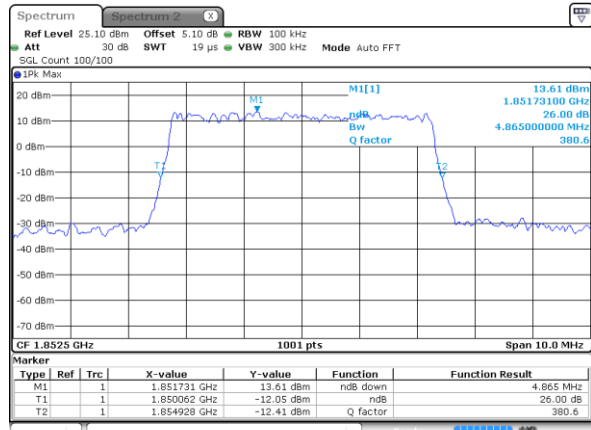
LTE Band 2

Lowest Channel / 5MHz / QPSK



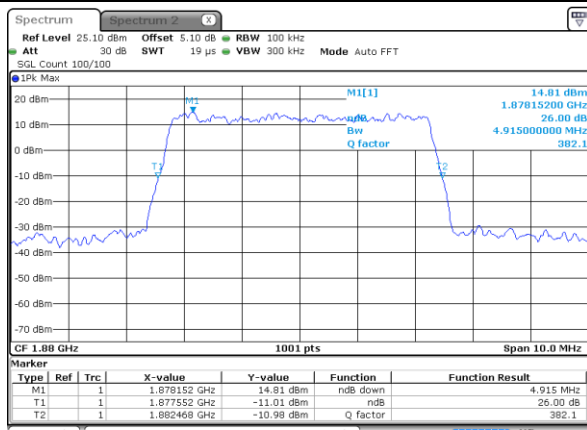
Date: 7 MAY 2018 12:08:09

Lowest Channel / 5MHz / 16QAM



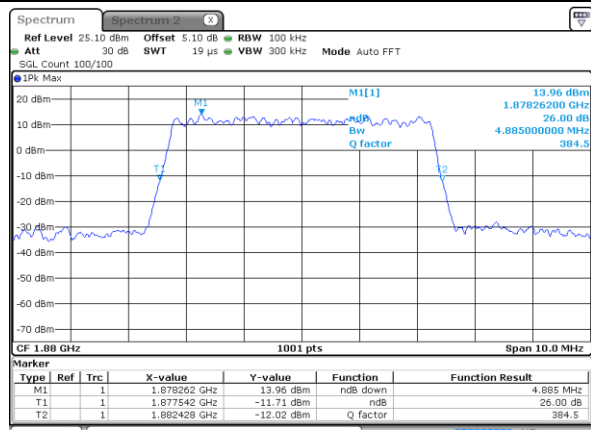
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Middle Channel / 5MHz / QPSK



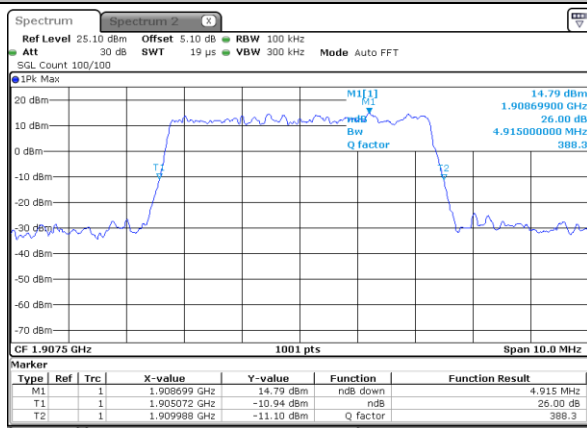
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Middle Channel / 5MHz / 16QAM



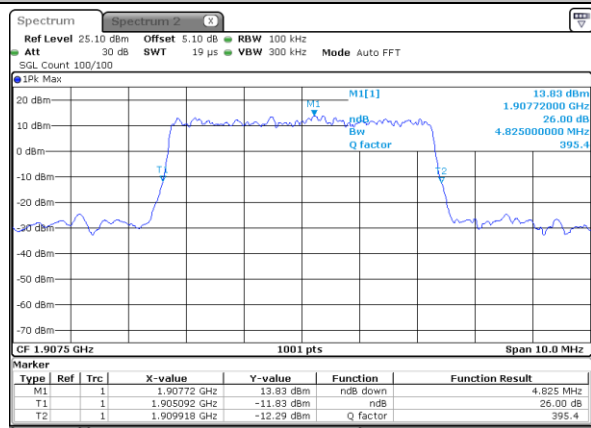
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Highest Channel / 5MHz / QPSK



Date: 7 MAY 2018 12:17:48

Highest Channel / 5MHz / 16QAM

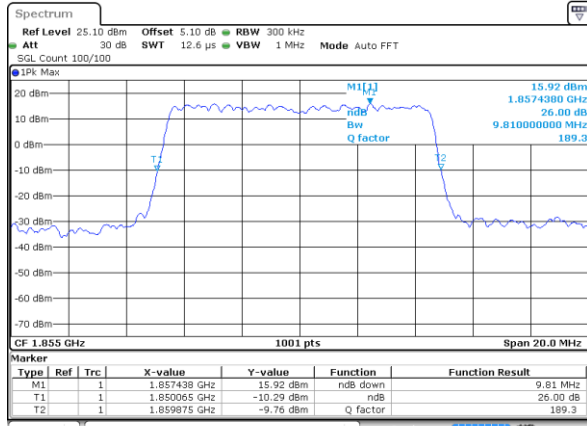


Date: 7 MAY 2018 12:17:59

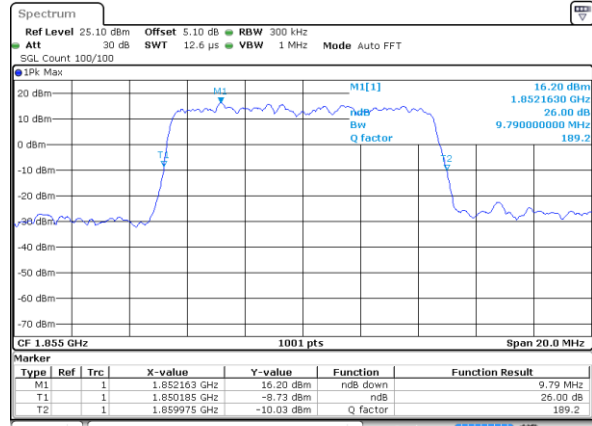


LTE Band 2

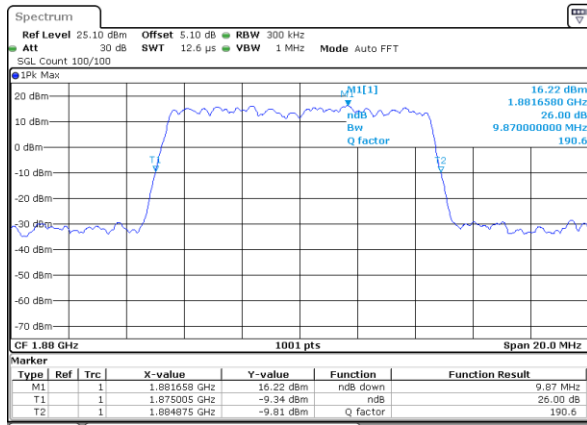
Lowest Channel / 10MHz / QPSK



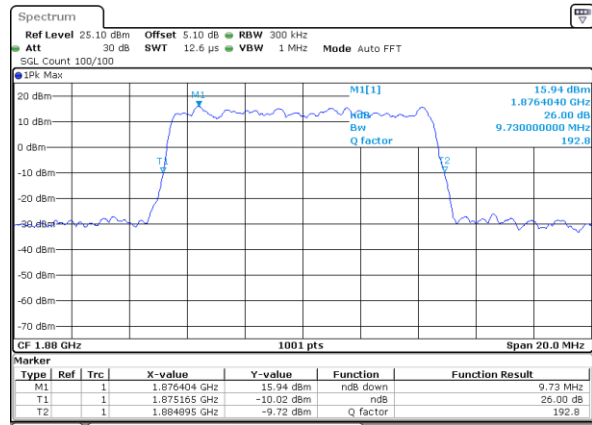
Lowest Channel / 10MHz / 16QAM



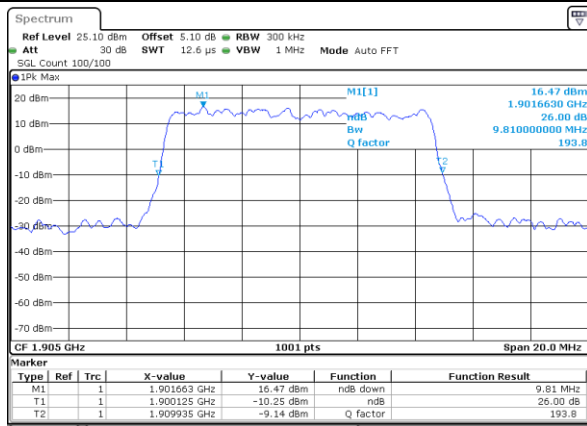
Middle Channel / 10MHz / QPSK



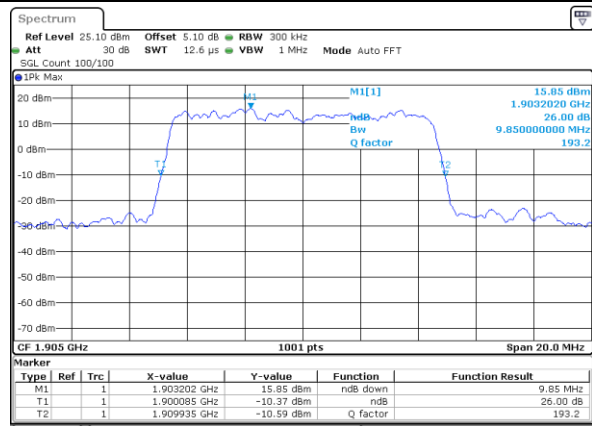
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



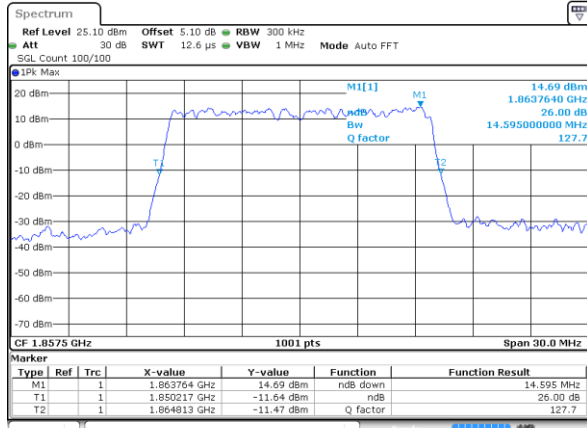
Highest Channel / 10MHz / 16QAM





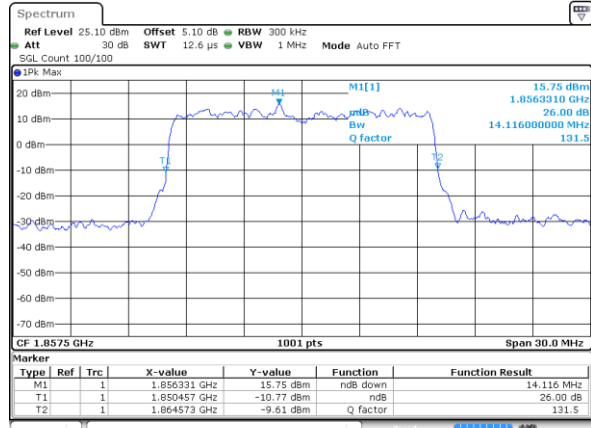
LTE Band 2

Lowest Channel / 15MHz / QPSK



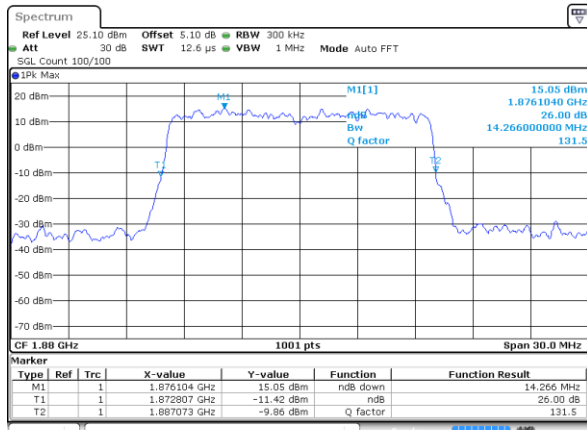
Date: 7 MAY 2018 13:47:30

Lowest Channel / 15MHz / 16QAM



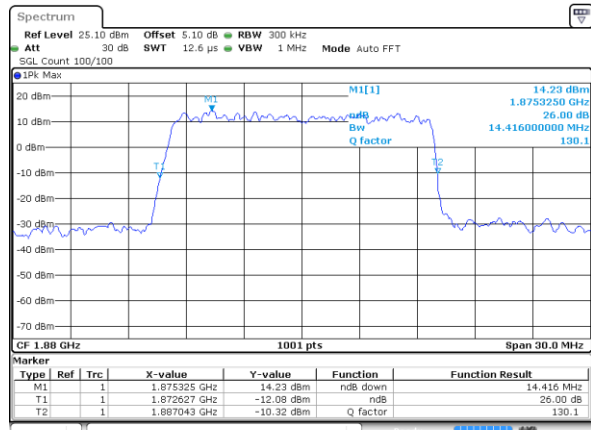
Date: 7 MAY 2018 13:47:41

Middle Channel / 15MHz / QPSK



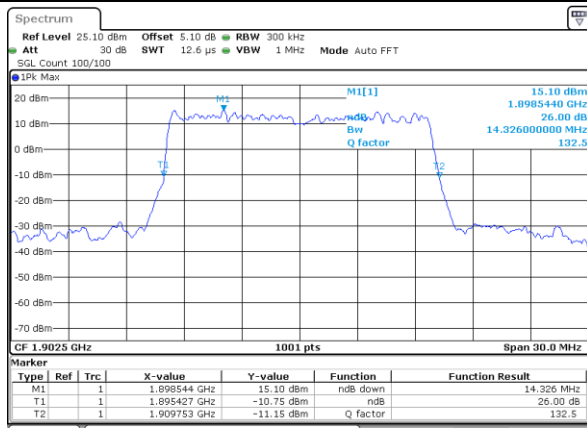
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Middle Channel / 15MHz / 16QAM



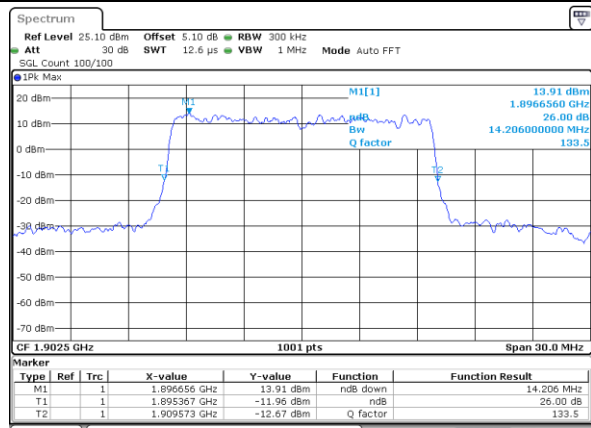
Date: 7 MAY 2018 13:54:46

Highest Channel / 15MHz / QPSK



Date: 7 MAY 2018 13:57:09

Highest Channel / 15MHz / 16QAM

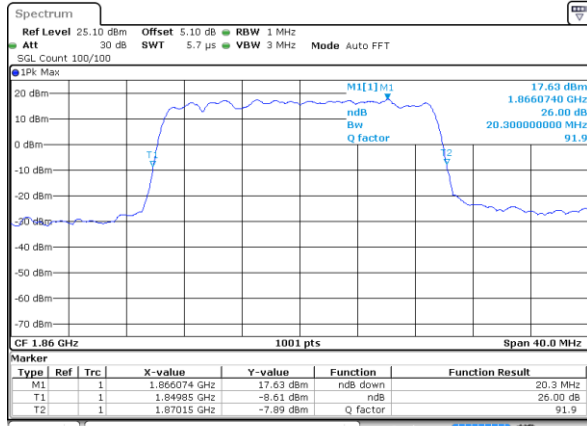


Date: 7 MAY 2018 13:57:20



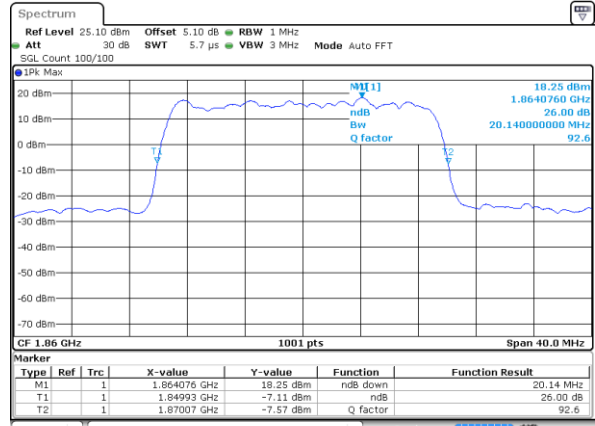
LTE Band 2

Lowest Channel / 20MHz / QPSK



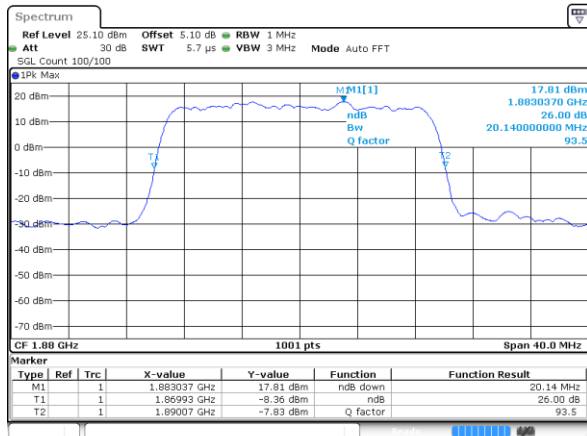
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Lowest Channel / 20MHz / 16QAM



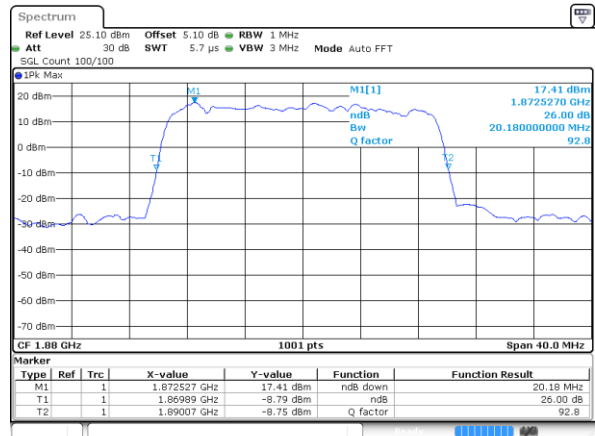
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Middle Channel / 20MHz / QPSK



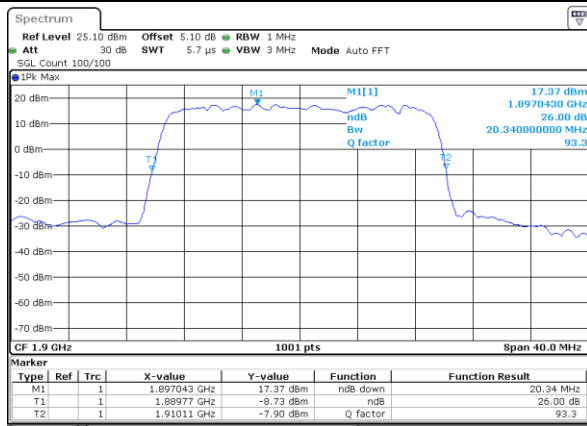
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Middle Channel / 20MHz / 16QAM



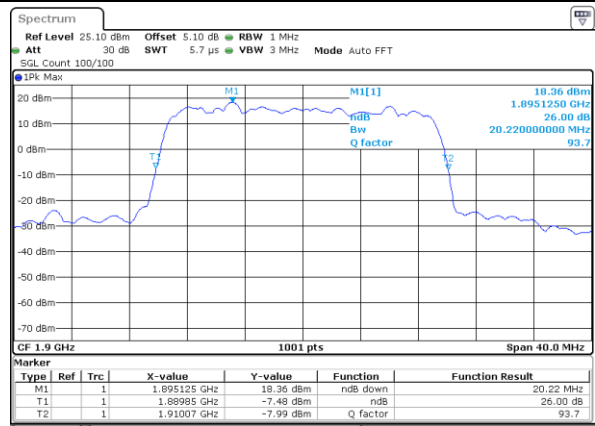
Date: 7 MAY 2018 14:11:30

Highest Channel / 20MHz / QPSK



Date: 7 MAY 2018 15:43:48

Highest Channel / 20MHz / 16QAM

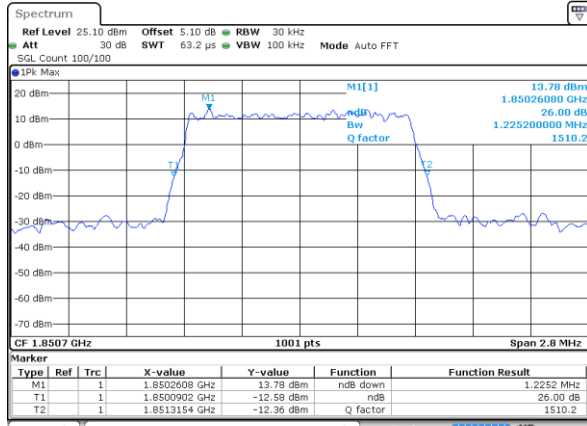


Date: 7 MAY 2018 15:43:22



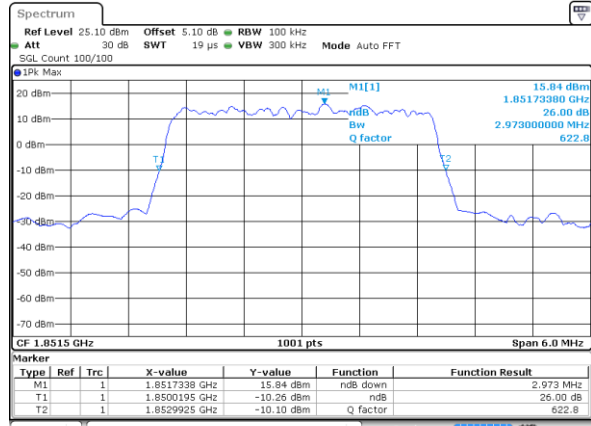
LTE Band 2

Lowest Channel / 1.4MHz / 64QAM



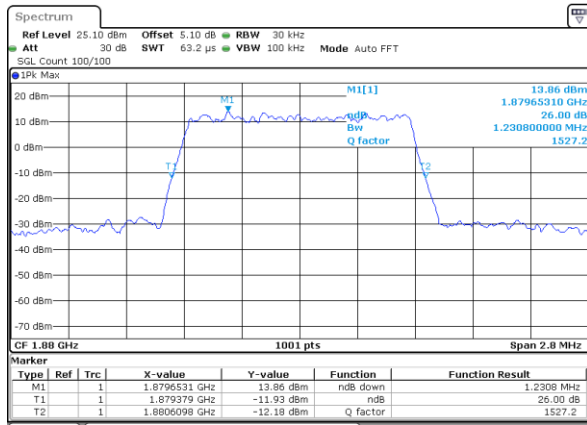
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Lowest Channel / 3MHz / 64QAM



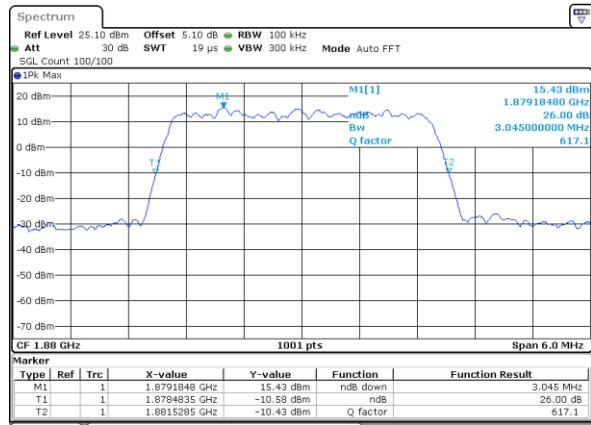
Date: 7 MAY 2018 14:27:09

Middle Channel / 1.4MHz / 64QAM



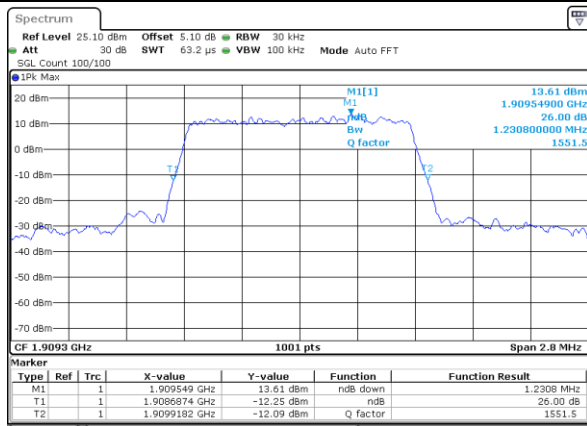
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Middle Channel / 3MHz / 64QAM



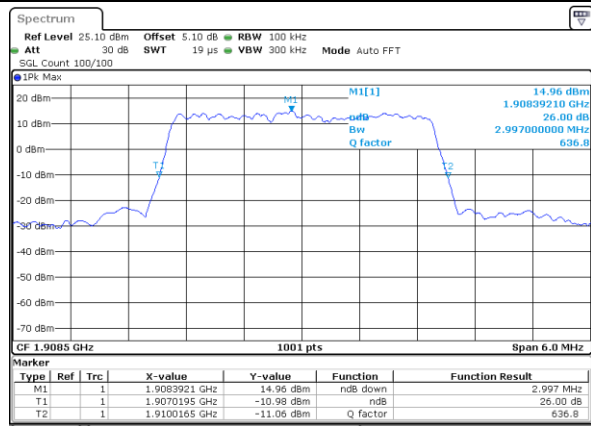
Date: 7 MAY 2018 14:27:20

Highest Channel / 1.4MHz / 64QAM



Date: 7 MAY 2018 14:26:59

Highest Channel / 3MHz / 64QAM

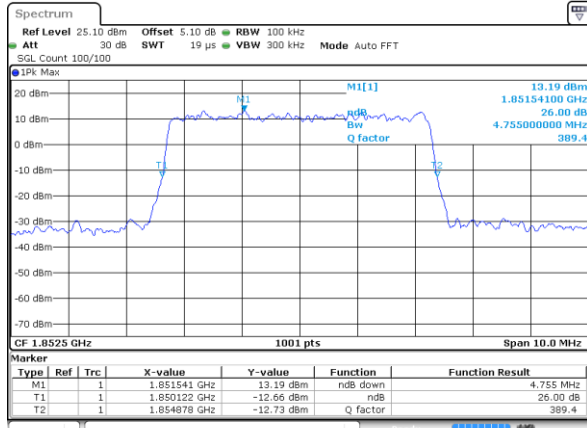


Date: 7 MAY 2018 14:27:31



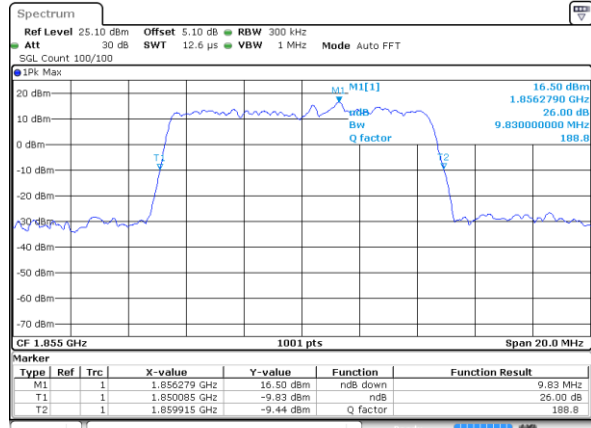
LTE Band 2

Lowest Channel / 5MHz / 64QAM



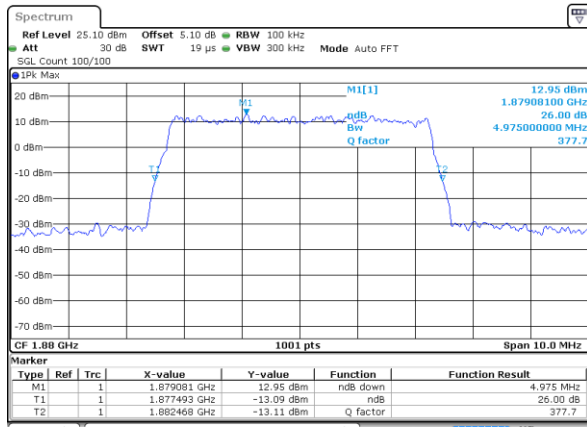
Date: 7 MAY 2018 14:27:41

Lowest Channel / 10MHz / 64QAM



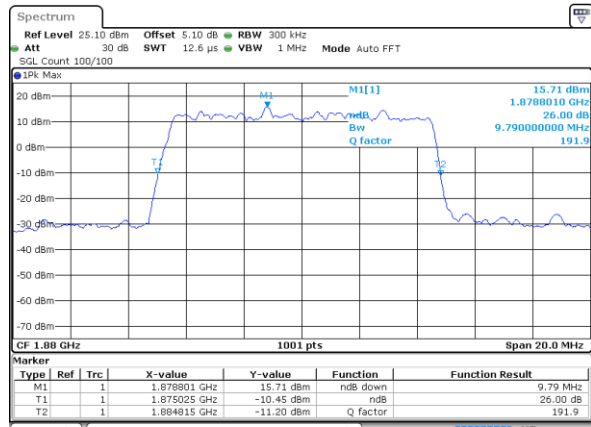
Date: 7 MAY 2018 14:28:14

Middle Channel / 5MHz / 64QAM



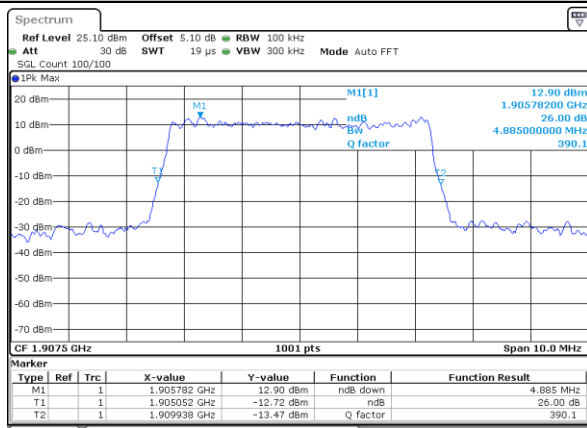
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Middle Channel / 10MHz / 64QAM



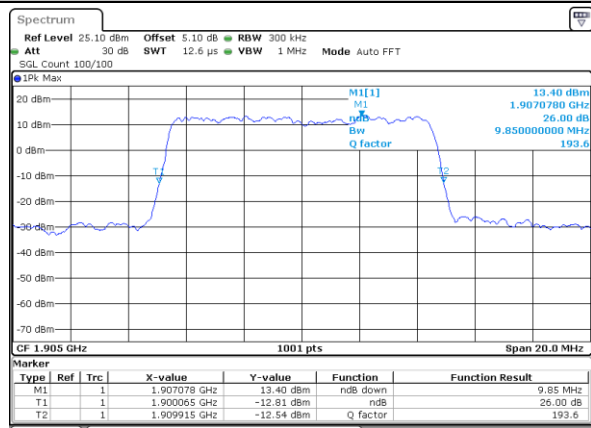
Date: 7 MAY 2018 14:28:25

Highest Channel / 5MHz / 64QAM



Date: 7 MAY 2018 14:28:03

Highest Channel / 10MHz / 64QAM

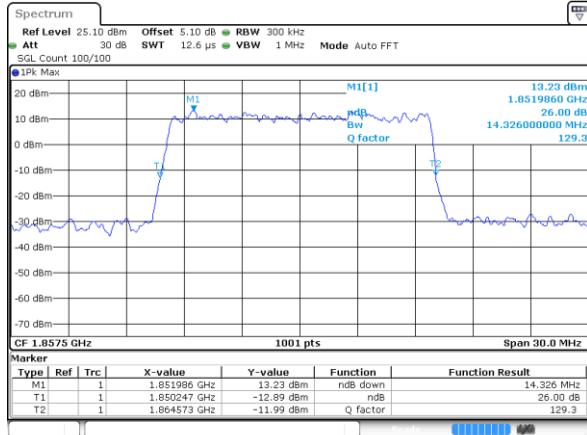


Date: 7 MAY 2018 14:28:35

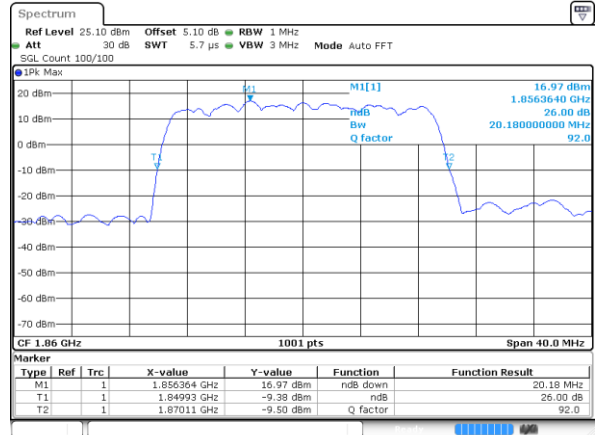


LTE Band 2

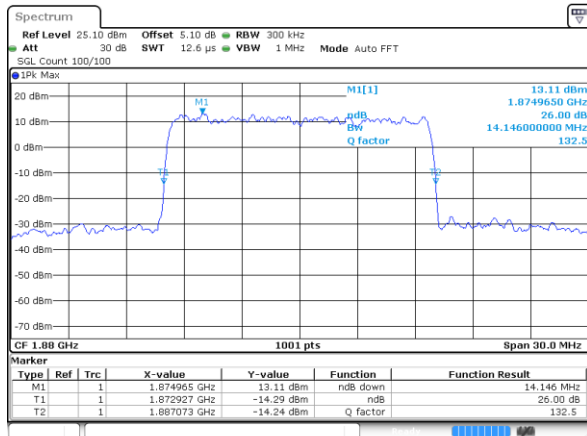
Lowest Channel / 15MHz / 64QAM



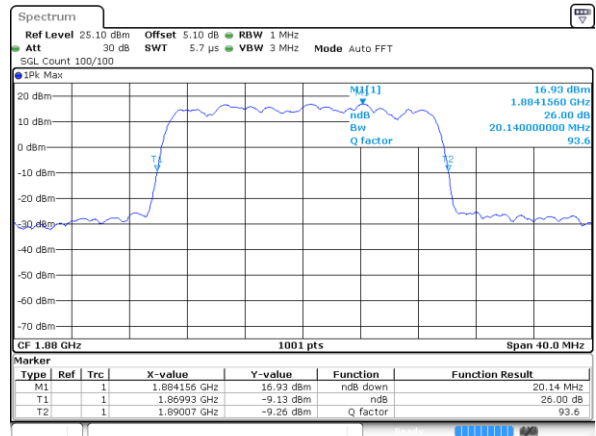
Lowest Channel / 20MHz / 64QAM



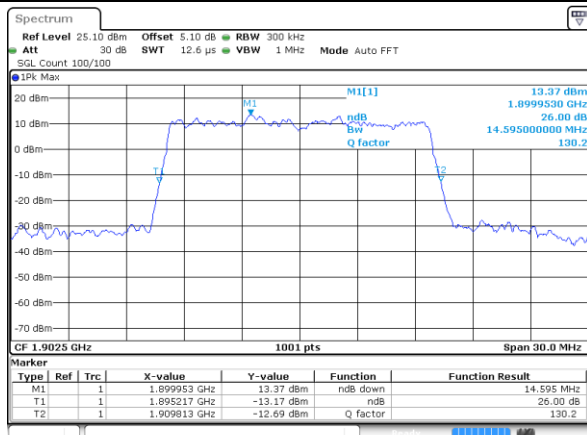
Middle Channel / 15MHz / 64QAM



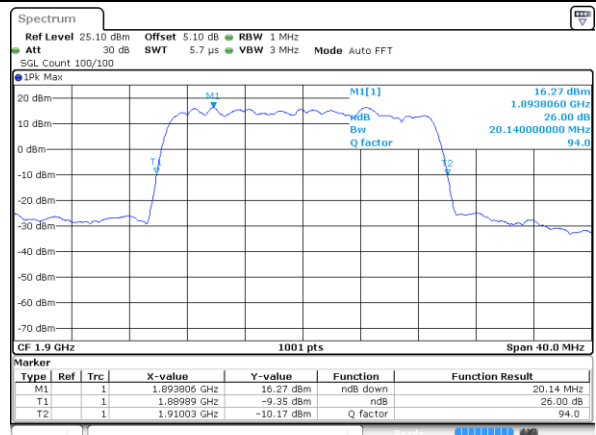
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



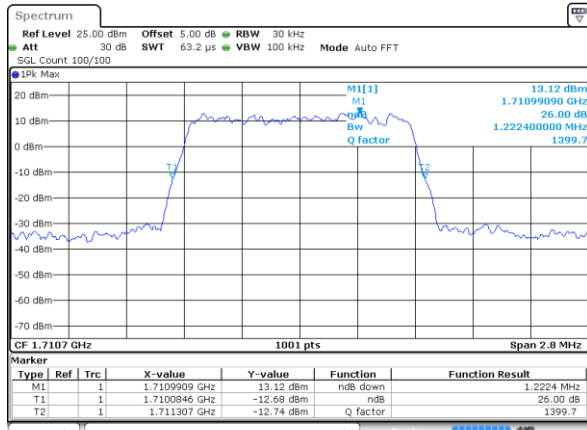
Highest Channel / 20MHz / 64QAM





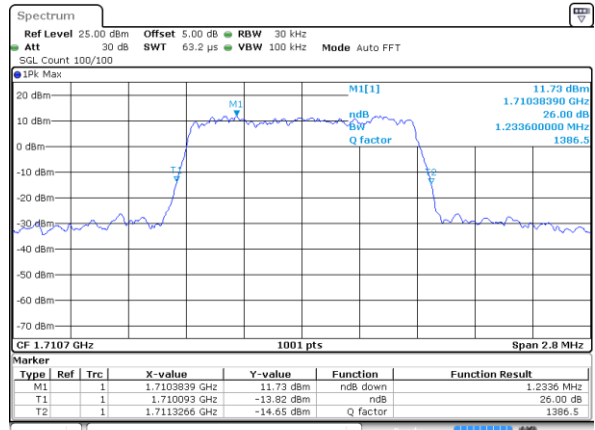
LTE Band 4

Lowest Channel / 1.4MHz / QPSK



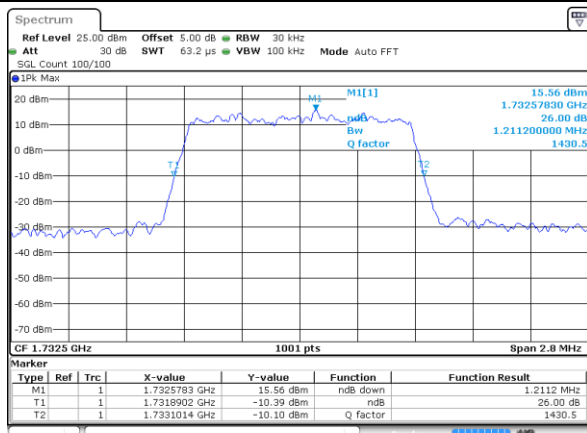
Date: 7 MAY 2018 14:26:54

Lowest Channel / 1.4MHz / 16QAM



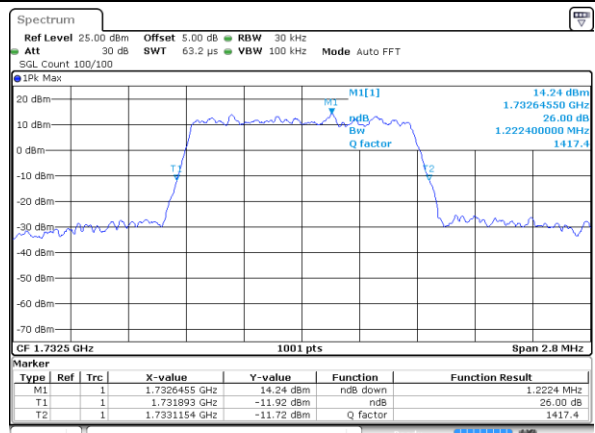
Date: 7 MAY 2018 14:27:04

Middle Channel / 1.4MHz / QPSK



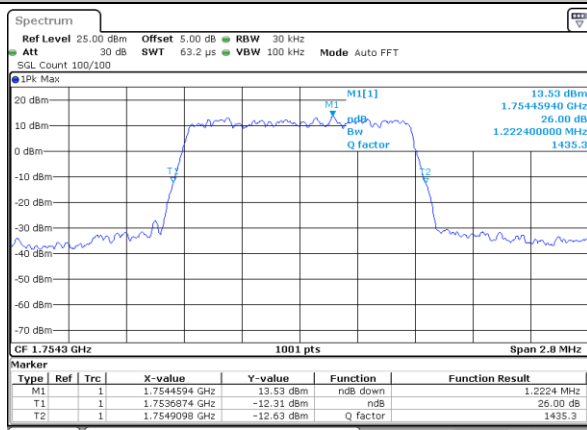
Date: 7 MAY 2018 14:33:55

Middle Channel / 1.4MHz / 16QAM



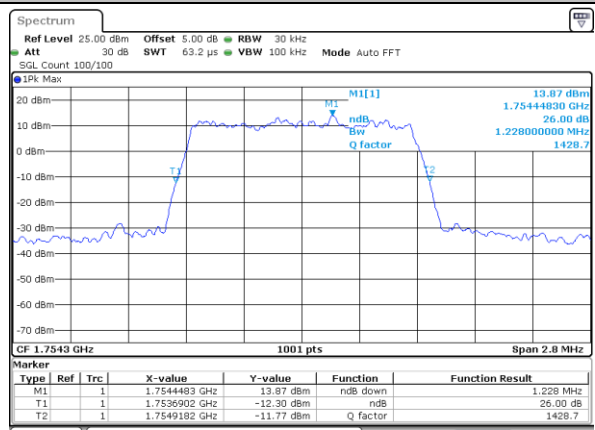
Date: 7 MAY 2018 14:34:05

Highest Channel / 1.4MHz / QPSK



Date: 7 MAY 2018 14:36:24

Highest Channel / 1.4MHz / 16QAM

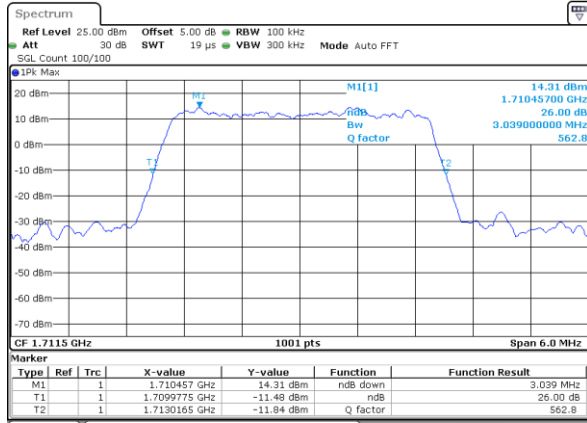


Date: 7 MAY 2018 14:36:34

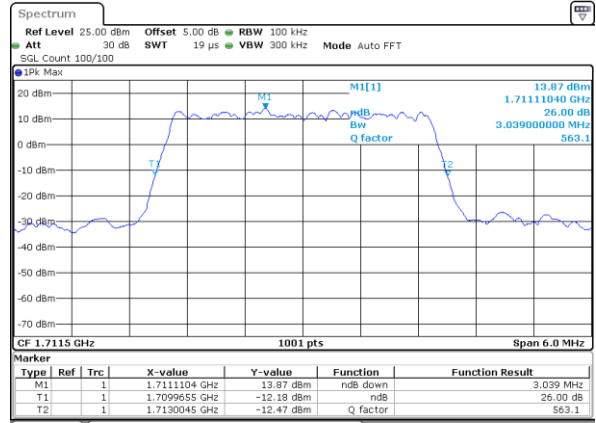


LTE Band 4

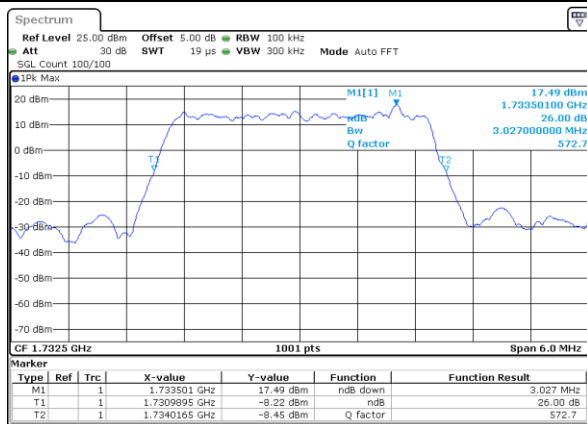
Lowest Channel / 3MHz / QPSK



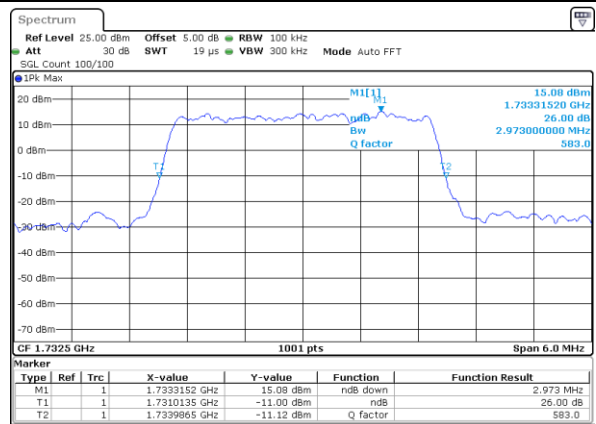
Lowest Channel / 3MHz / 16QAM



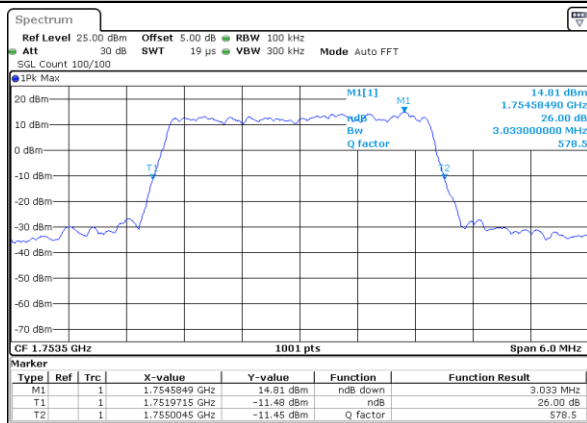
Middle Channel / 3MHz / QPSK



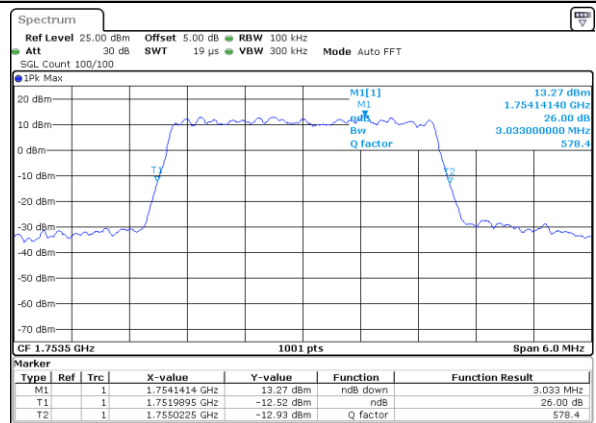
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



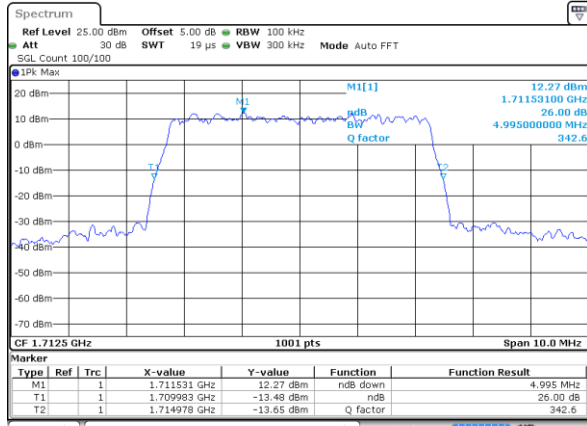
Highest Channel / 3MHz / 16QAM





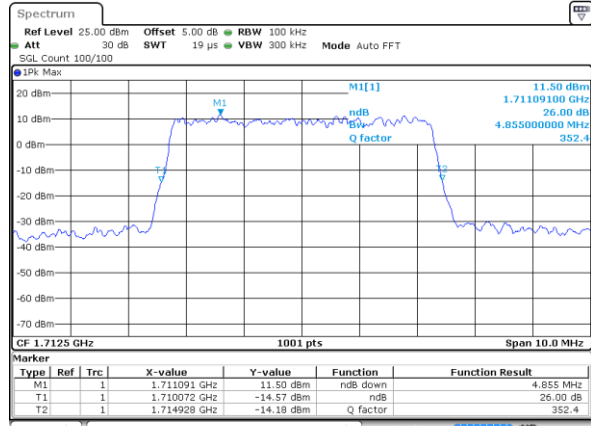
LTE Band 4

Lowest Channel / 5MHz / QPSK



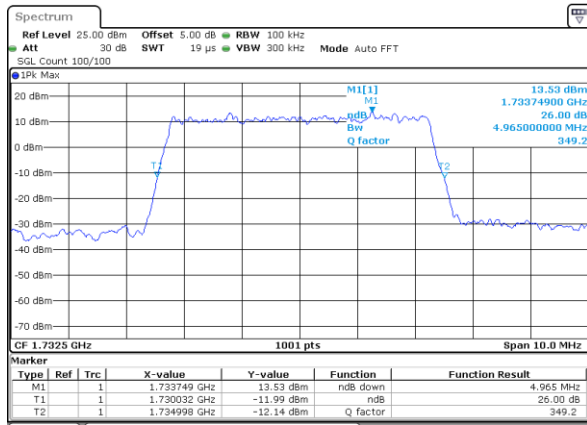
Date: 7 MAY 2018 14:59:54

Lowest Channel / 5MHz / 16QAM



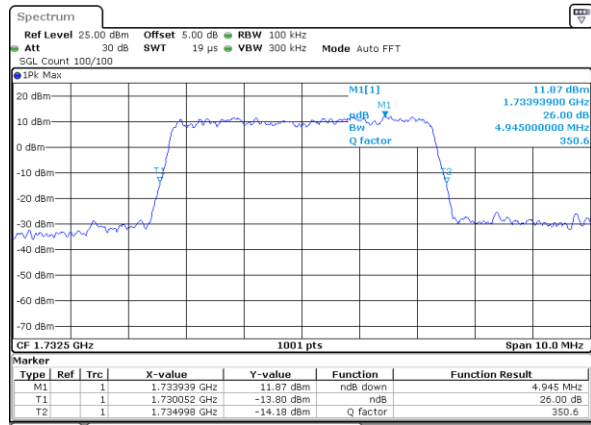
Date: 7 MAY 2018 15:00:04

Middle Channel / 5MHz / QPSK



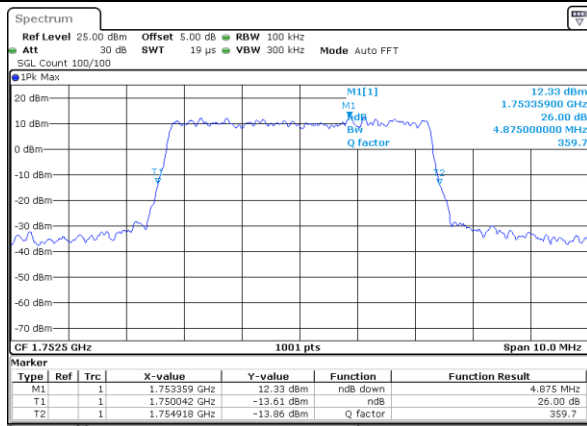
Date: 7 MAY 2018 15:06:53

Middle Channel / 5MHz / 16QAM



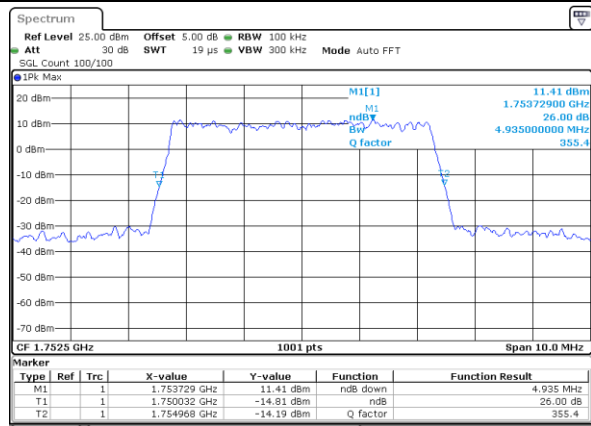
Date: 7 MAY 2018 15:07:03

Highest Channel / 5MHz / QPSK



Date: 7 MAY 2018 15:09:23

Highest Channel / 5MHz / 16QAM

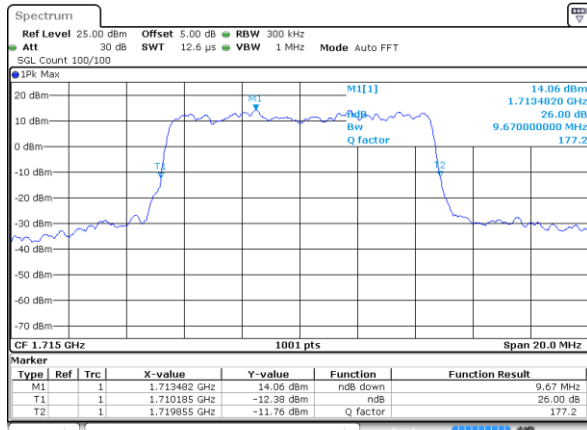


Date: 7 MAY 2018 15:09:33



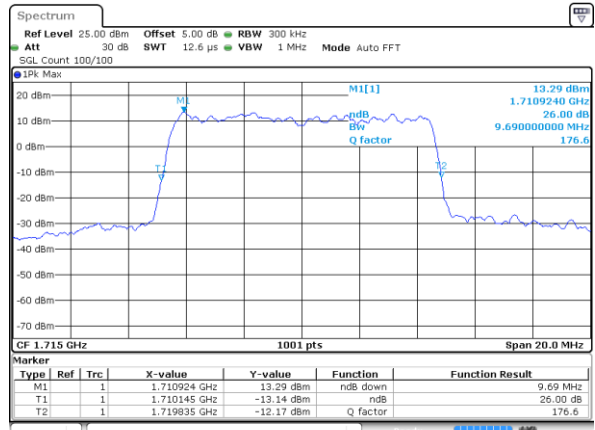
LTE Band 4

Lowest Channel / 10MHz / QPSK



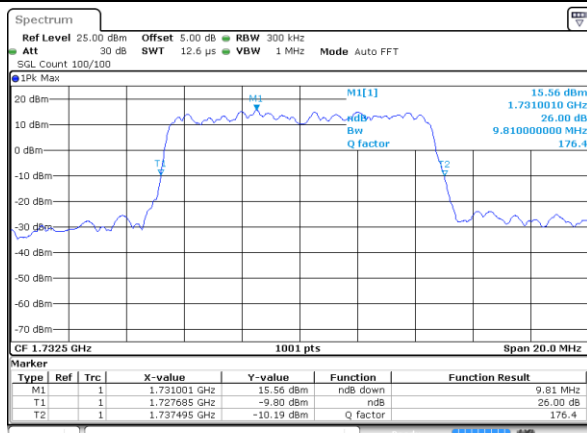
Date: 7 MAY 2018 15:16:23

Lowest Channel / 10MHz / 16QAM



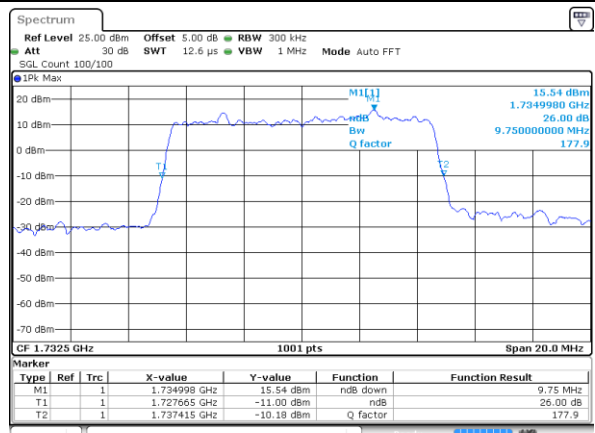
Date: 7 MAY 2018 15:16:33

Middle Channel / 10MHz / QPSK



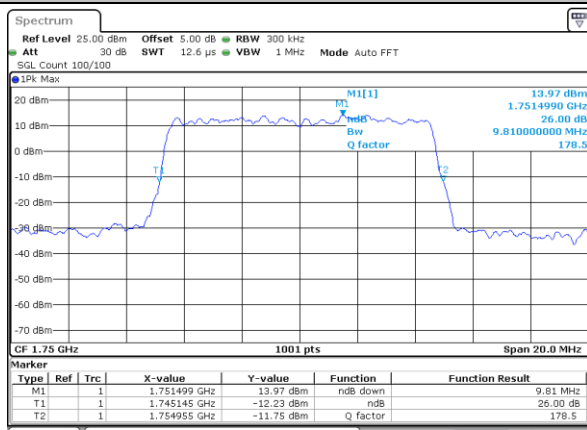
Date: 7 MAY 2018 15:23:22

Middle Channel / 10MHz / 16QAM



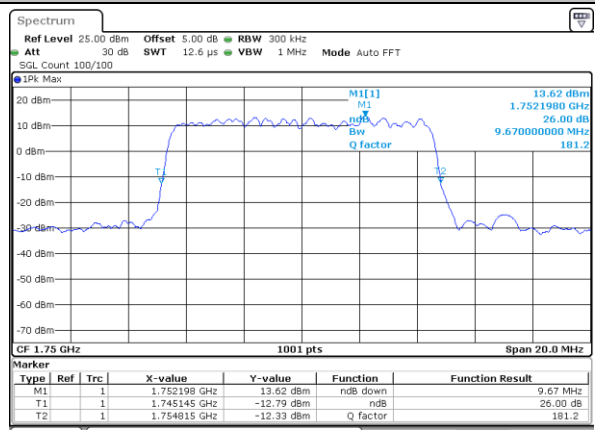
Date: 7 MAY 2018 15:23:32

Highest Channel / 10MHz / QPSK



Date: 7 MAY 2018 15:25:52

Highest Channel / 10MHz / 16QAM

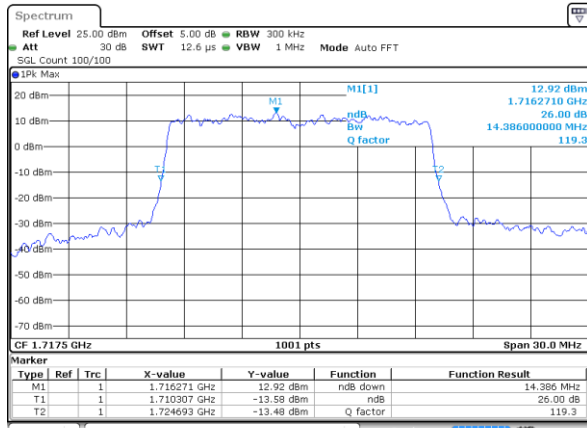


Date: 7 MAY 2018 15:26:02

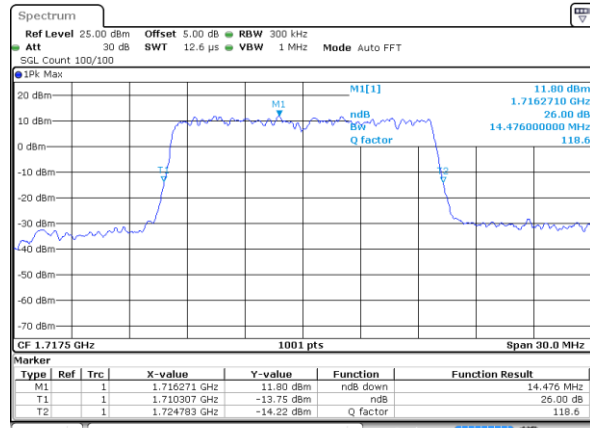


LTE Band 4

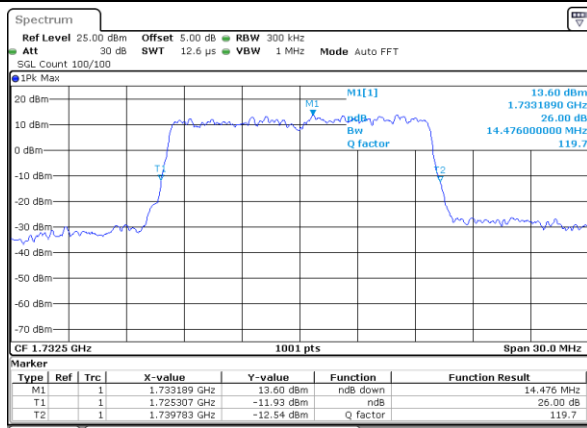
Lowest Channel / 15MHz / QPSK



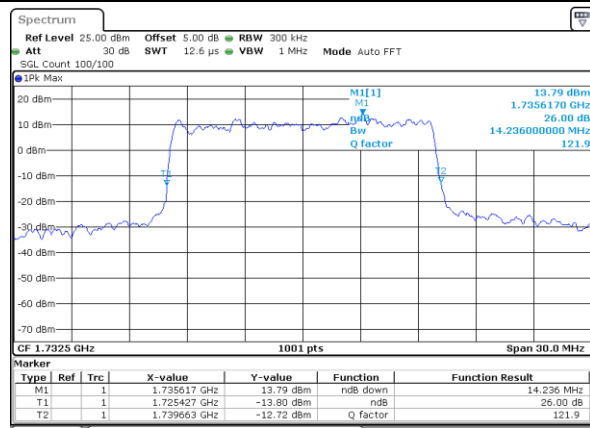
Lowest Channel / 15MHz / 16QAM



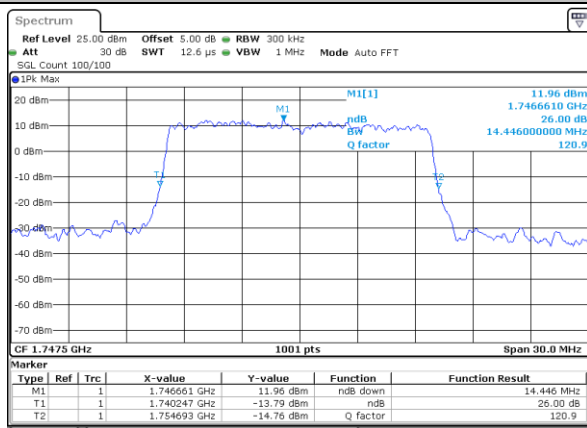
Middle Channel / 15MHz / QPSK



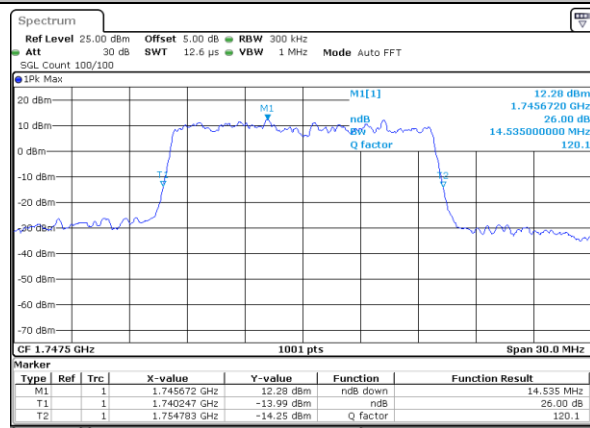
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



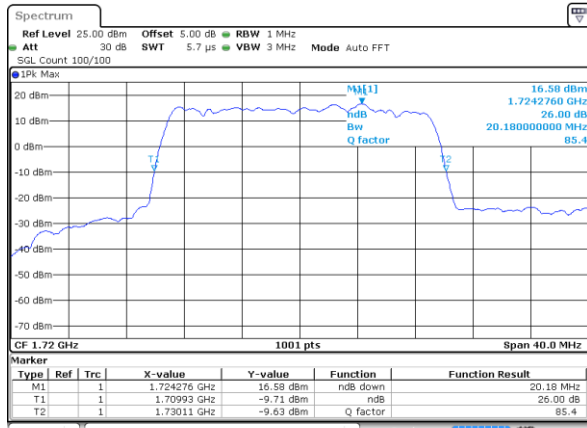
Highest Channel / 15MHz / 16QAM





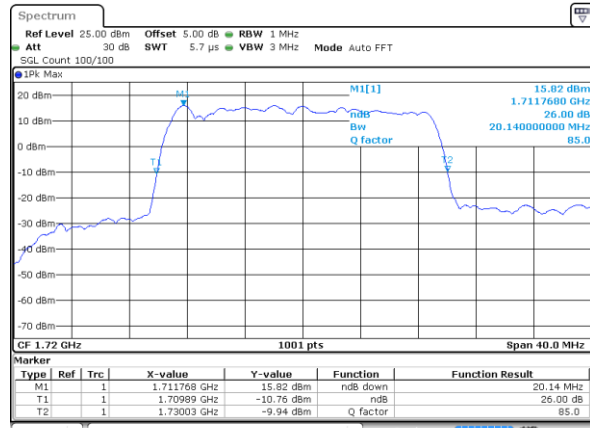
LTE Band 4

Lowest Channel / 20MHz / QPSK



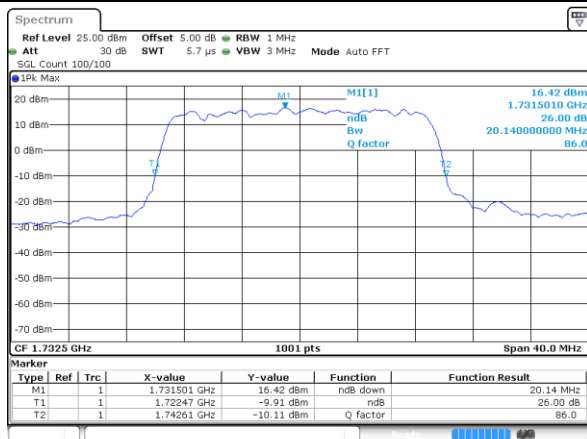
Date: 7 MAY 2018 15:49:20

Lowest Channel / 20MHz / 16QAM



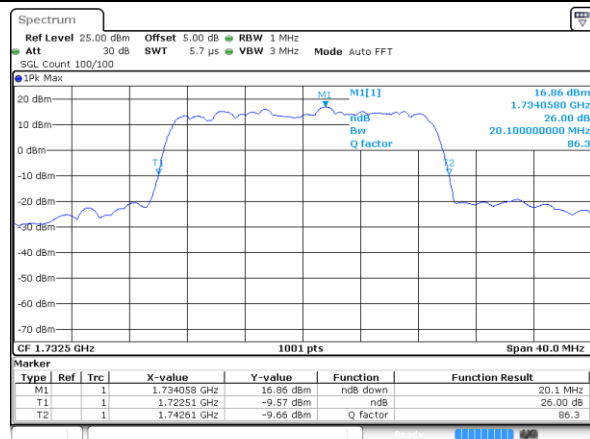
Date: 7 MAY 2018 15:49:30

Middle Channel / 20MHz / QPSK



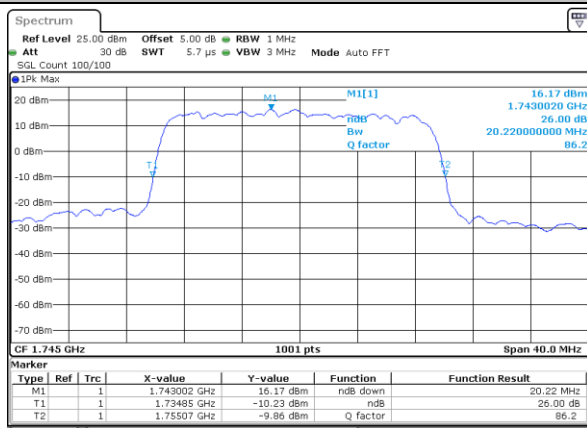
Date: 7 MAY 2018 15:56:20

Middle Channel / 20MHz / 16QAM



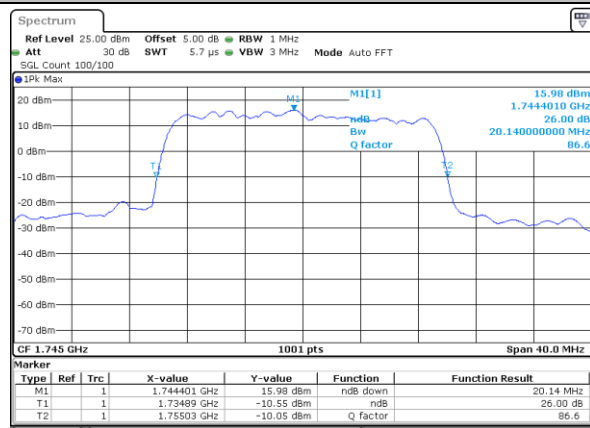
Date: 7 MAY 2018 15:56:30

Highest Channel / 20MHz / QPSK



Date: 7 MAY 2018 15:58:50

Highest Channel / 20MHz / 16QAM

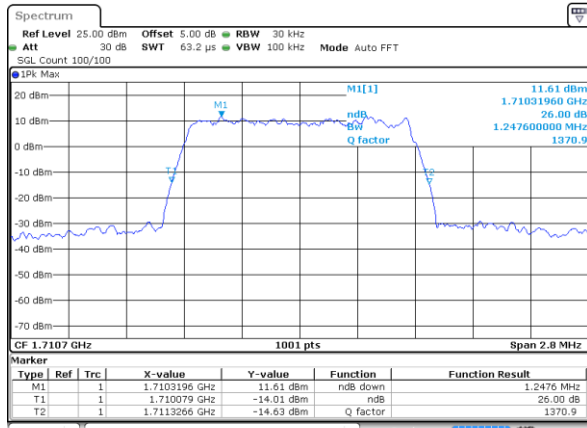


Date: 7 MAY 2018 15:59:00

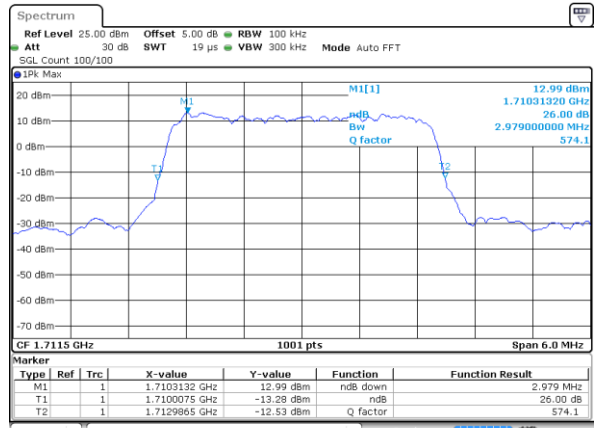


LTE Band 4

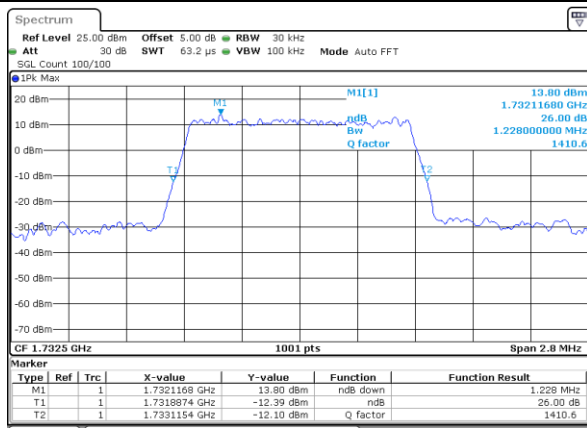
Lowest Channel / 1.4MHz / 64QAM



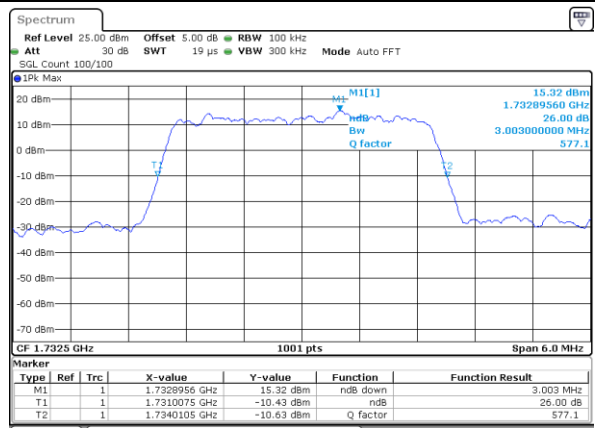
Lowest Channel / 3MHz / 64QAM



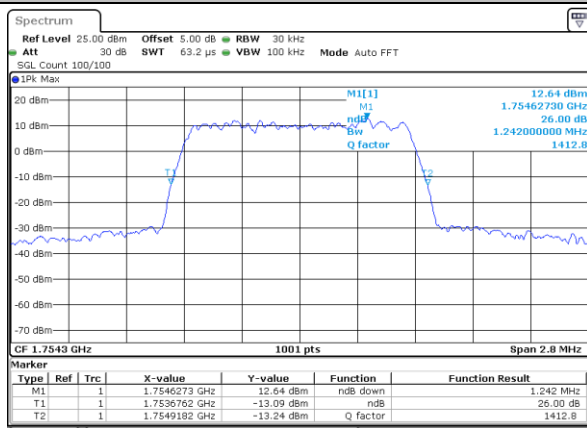
Middle Channel / 1.4MHz / 64QAM



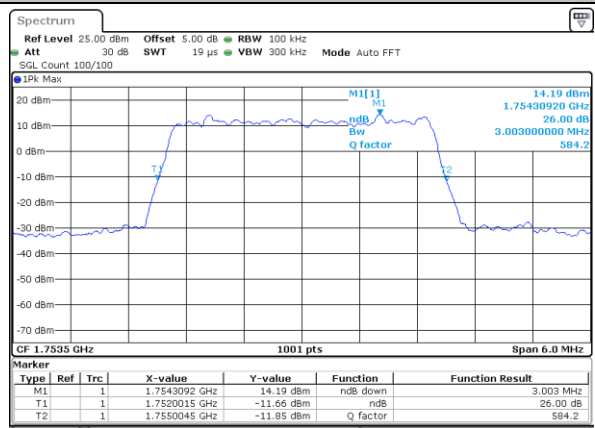
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM



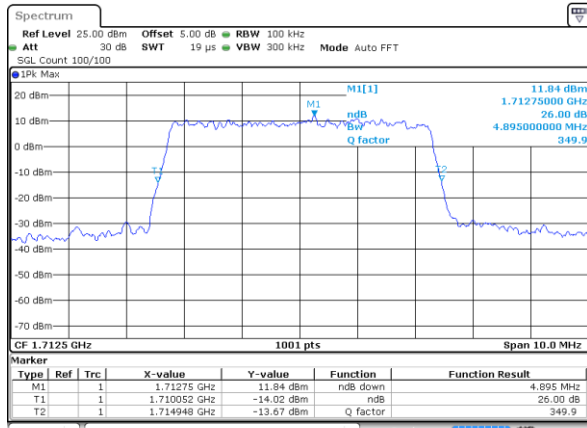
Highest Channel / 3MHz / 64QAM





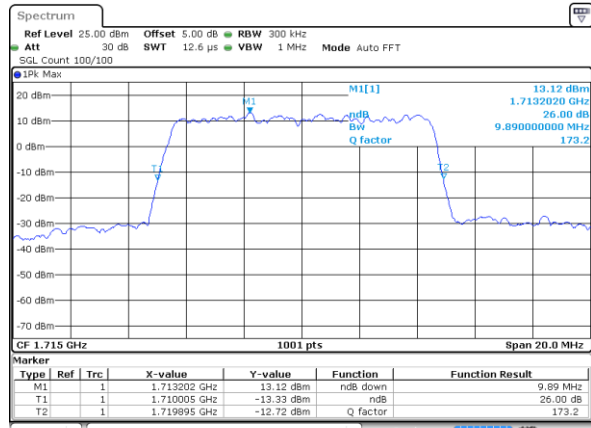
LTE Band 4

Lowest Channel / 5MHz / 64QAM



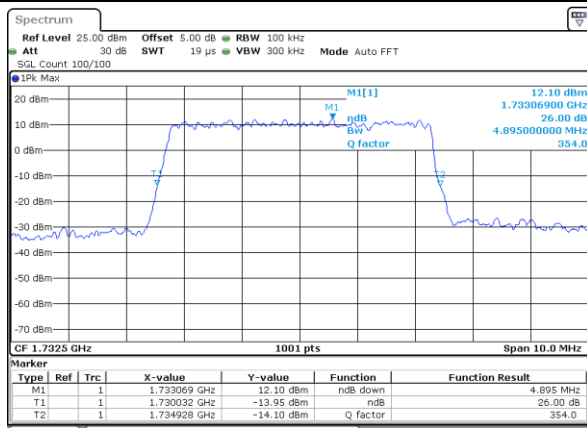
Date: 7 MAY 2018 16:08:39

Lowest Channel / 10MHz / 64QAM



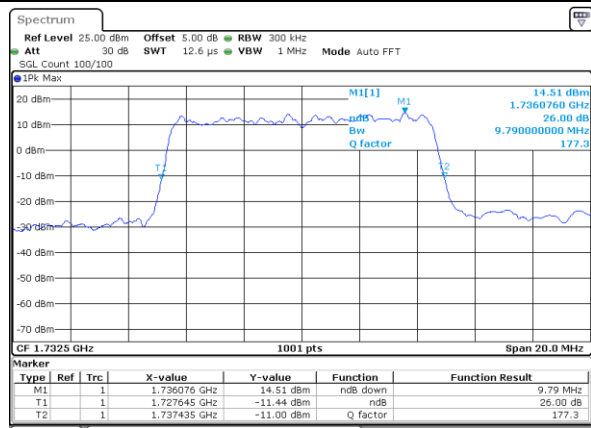
Date: 7 MAY 2018 16:09:40

Middle Channel / 5MHz / 64QAM



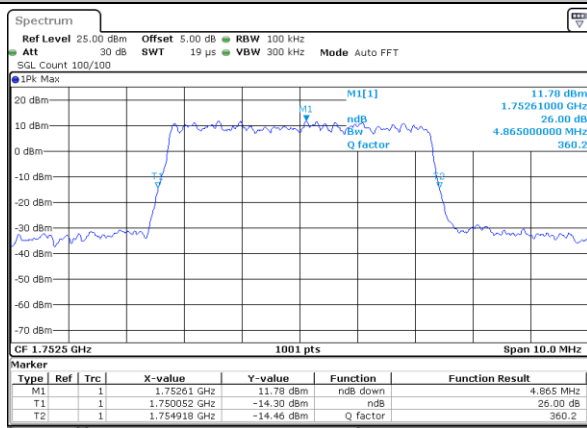
Date: 7 MAY 2018 16:08:59

Middle Channel / 10MHz / 64QAM



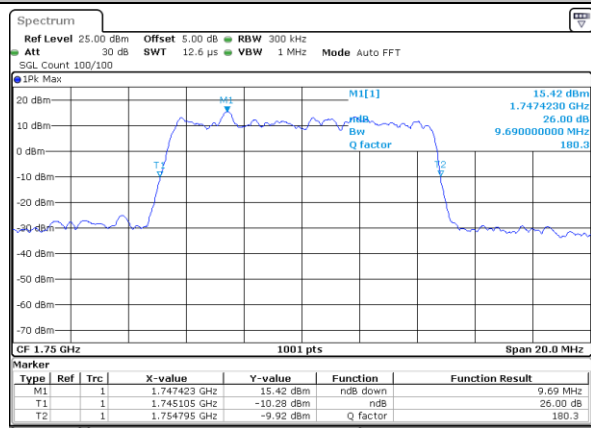
Date: 7 MAY 2018 16:10:00

Highest Channel / 5MHz / 64QAM



Date: 7 MAY 2018 16:09:20

Highest Channel / 10MHz / 64QAM

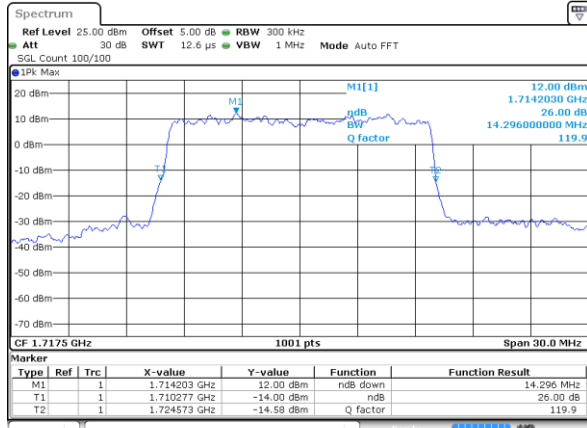


Date: 7 MAY 2018 16:10:20

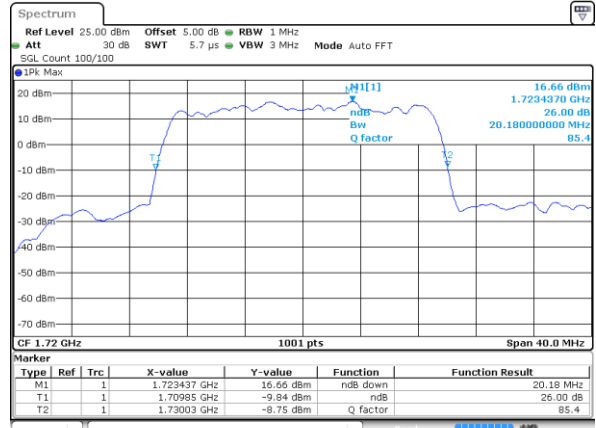


LTE Band 4

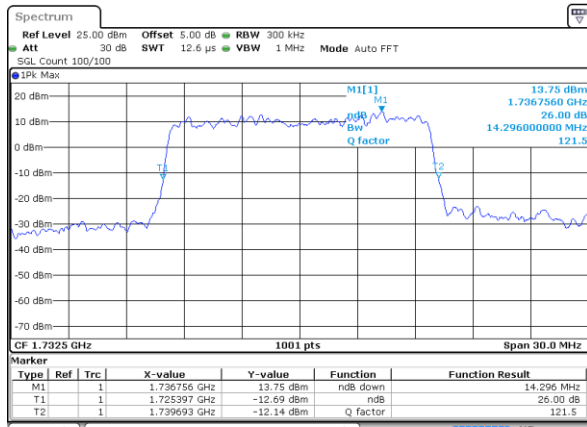
Lowest Channel / 15MHz / 64QAM



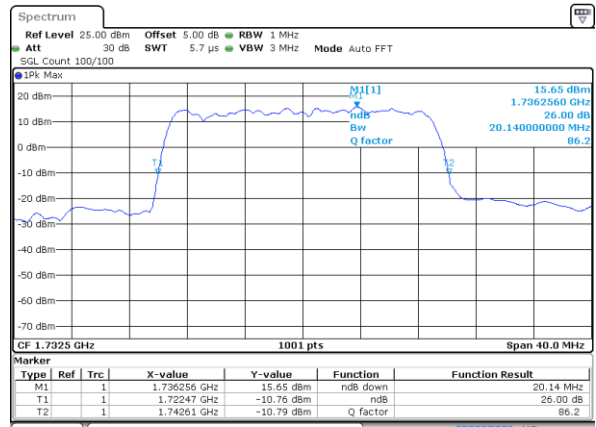
Lowest Channel / 20MHz / 64QAM



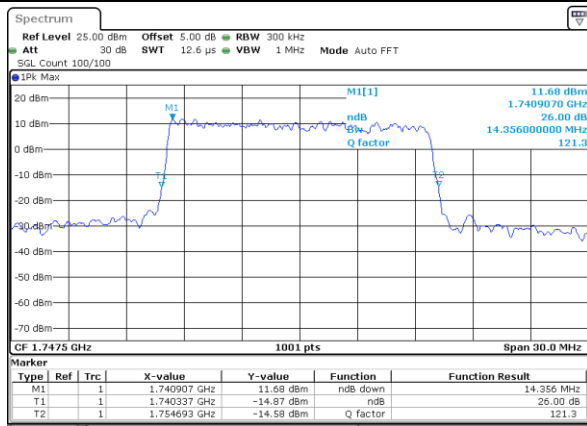
Middle Channel / 15MHz / 64QAM



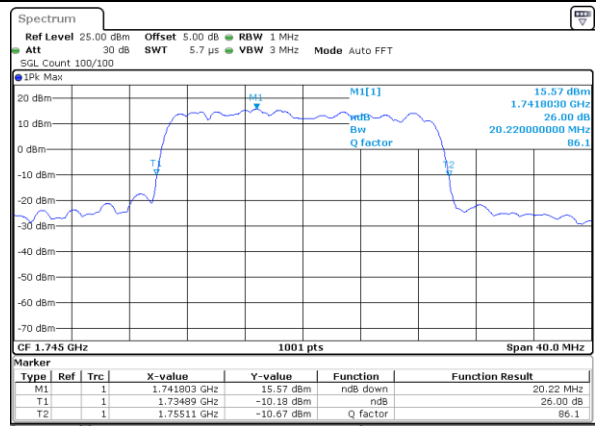
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



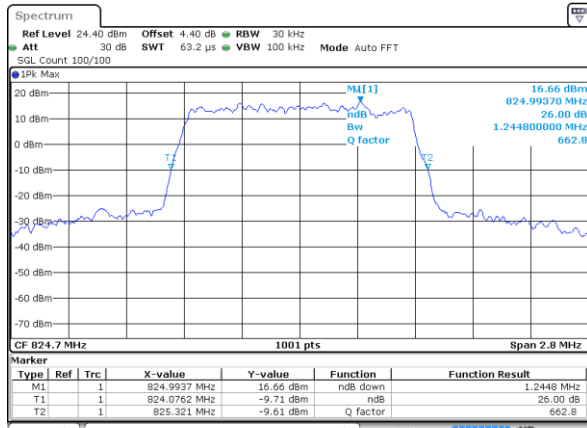
Highest Channel / 20MHz / 64QAM





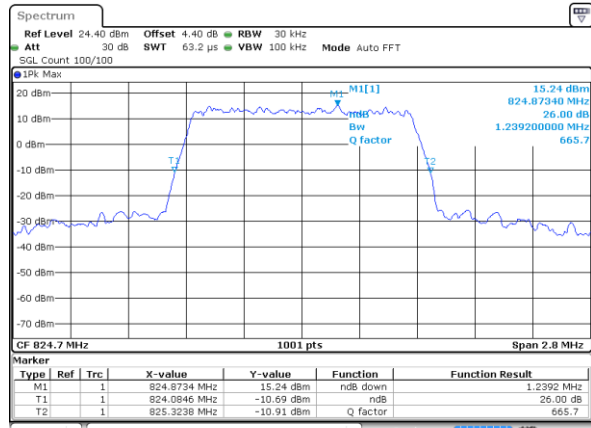
LTE Band 5

Lowest Channel / 1.4MHz / QPSK



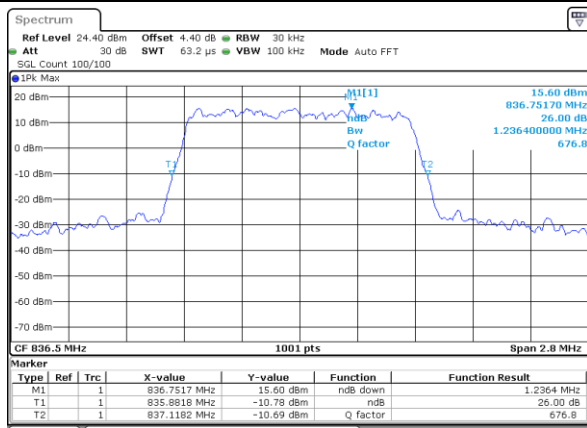
Date: 8 MAY 2018 08:45:22

Lowest Channel / 1.4MHz / 16QAM



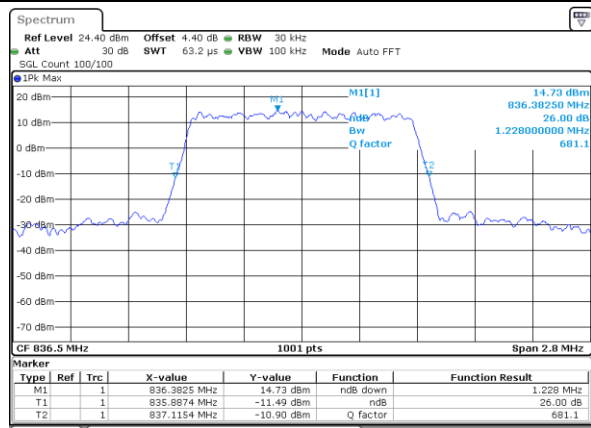
Date: 8 MAY 2018 08:45:11

Middle Channel / 1.4MHz / QPSK



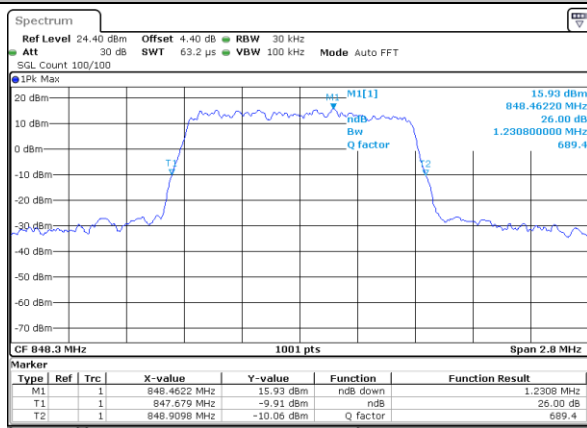
Date: 8 MAY 2018 08:54:18

Middle Channel / 1.4MHz / 16QAM



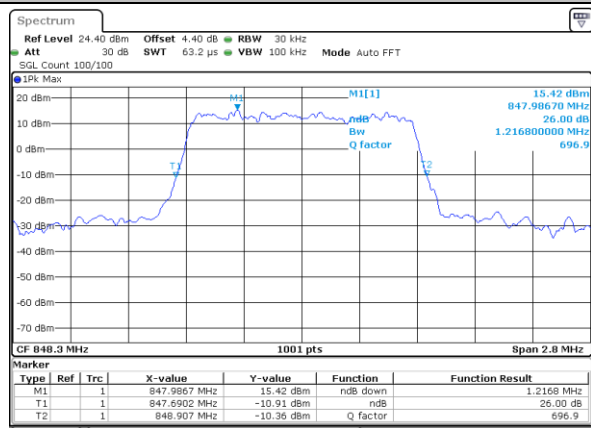
Date: 8 MAY 2018 08:54:28

Highest Channel / 1.4MHz / QPSK



Date: 8 MAY 2018 08:56:51

Highest Channel / 1.4MHz / 16QAM

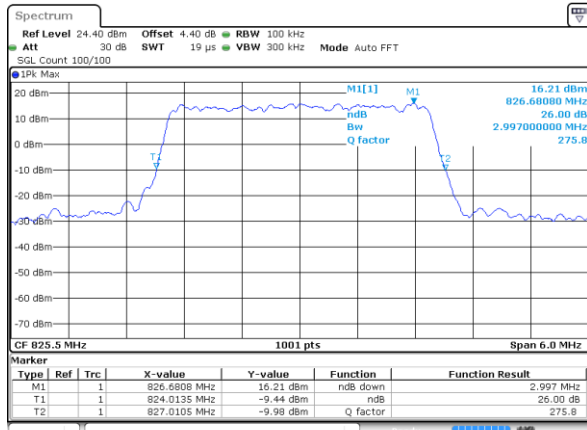


Date: 8 MAY 2018 08:57:01

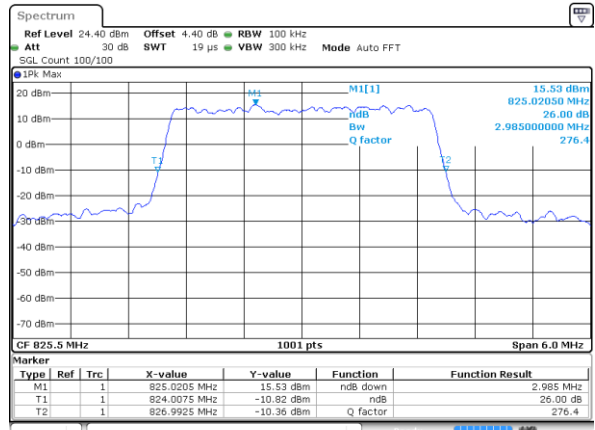


LTE Band 5

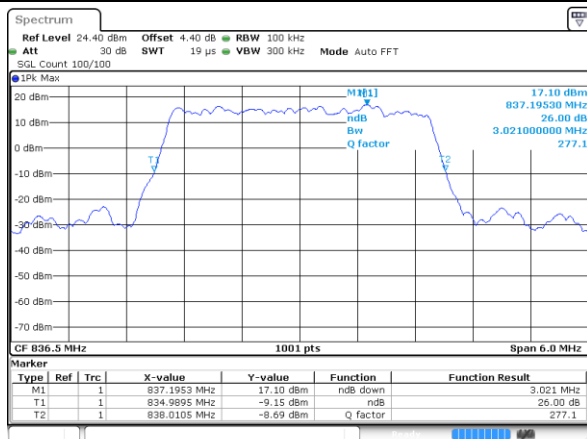
Lowest Channel / 3MHz / QPSK



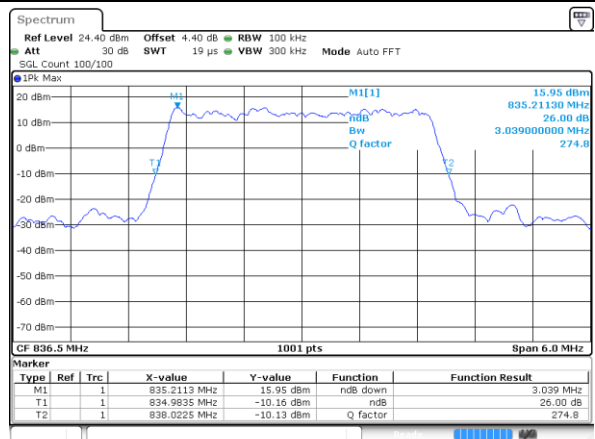
Lowest Channel / 3MHz / 16QAM



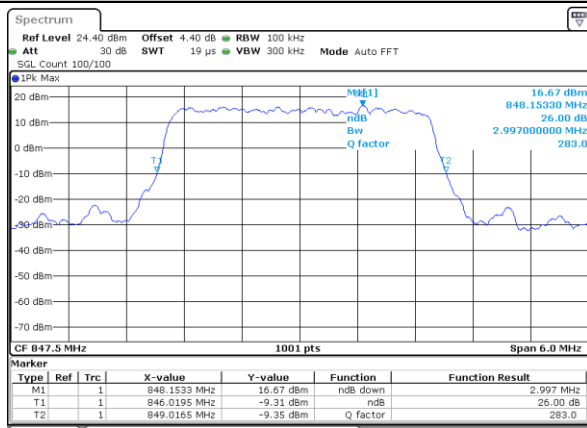
Middle Channel / 3MHz / QPSK



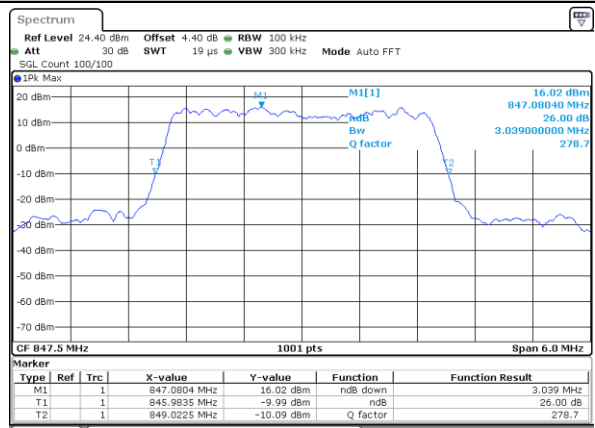
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



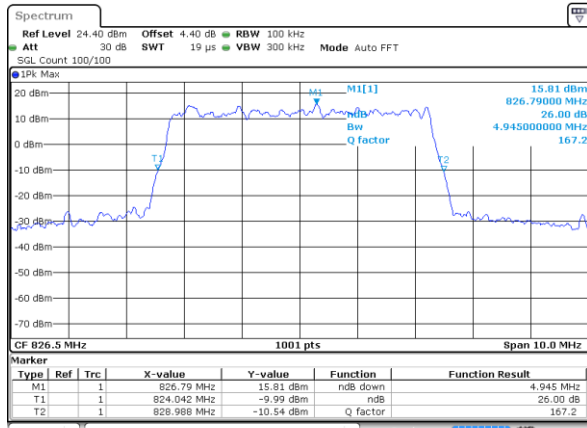
Highest Channel / 3MHz / 16QAM





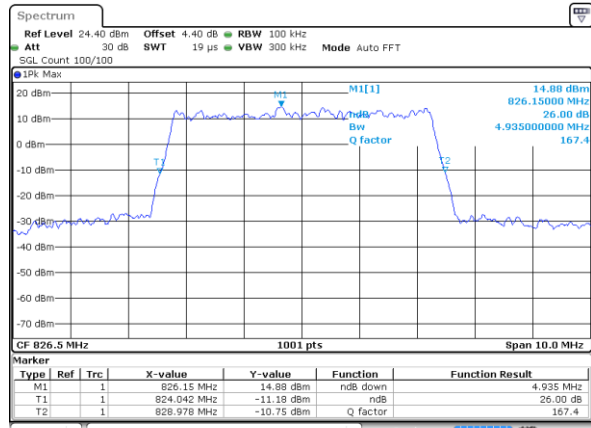
LTE Band 5

Lowest Channel / 5MHz / QPSK



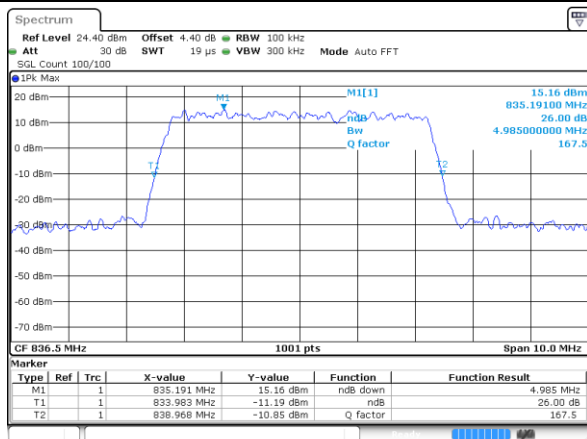
Date: 8 MAY 2018 09:26:42

Lowest Channel / 5MHz / 16QAM



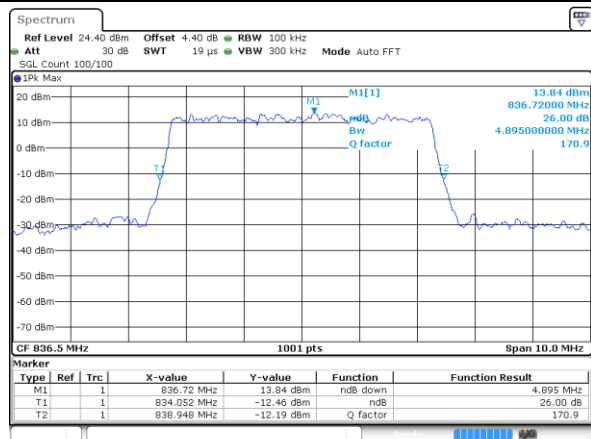
Date: 8 MAY 2018 09:26:53

Middle Channel / 5MHz / QPSK



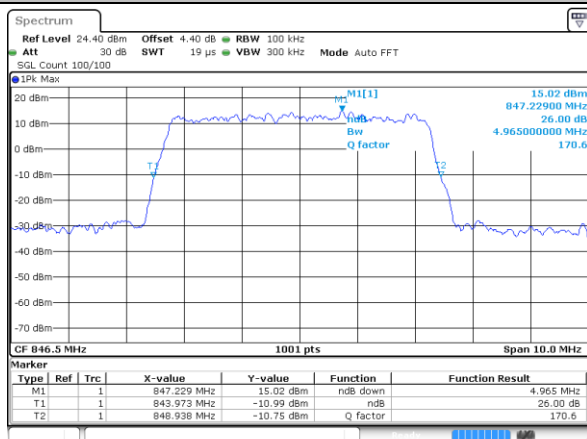
Date: 8 MAY 2018 09:35:48

Middle Channel / 5MHz / 16QAM



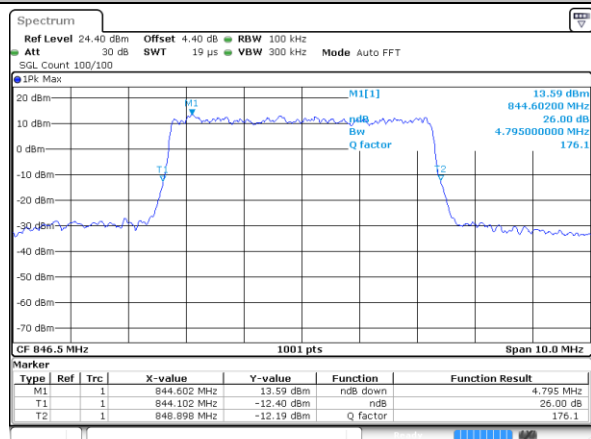
Date: 8 MAY 2018 09:35:59

Highest Channel / 5MHz / QPSK



Date: 8 MAY 2018 09:38:21

Highest Channel / 5MHz / 16QAM



Date: 8 MAY 2018 09:38:32