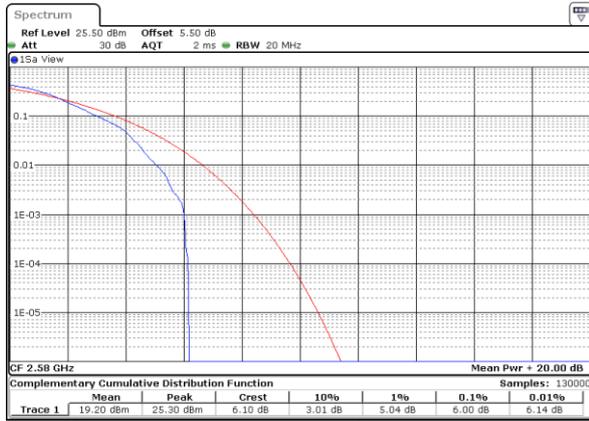




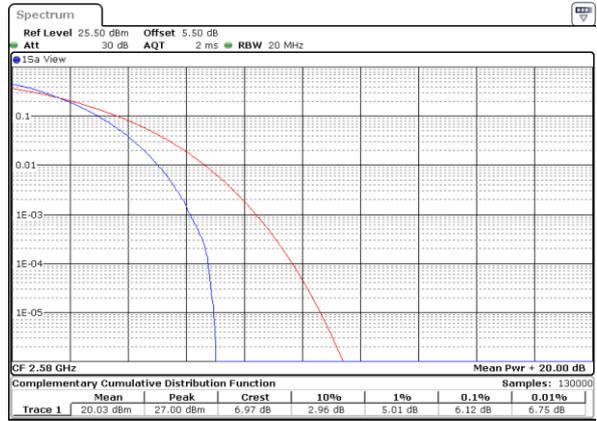
LTE Band 38 / 20MHz / 64QAM

Lowest Channel / 1RB



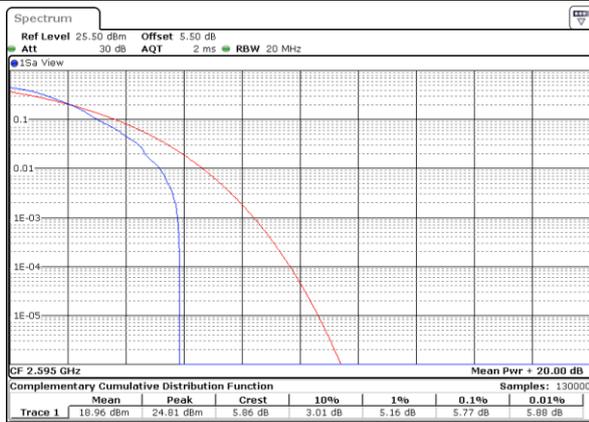
Date: 13 AUG 2018 10:07:36

Lowest Channel / Full RB



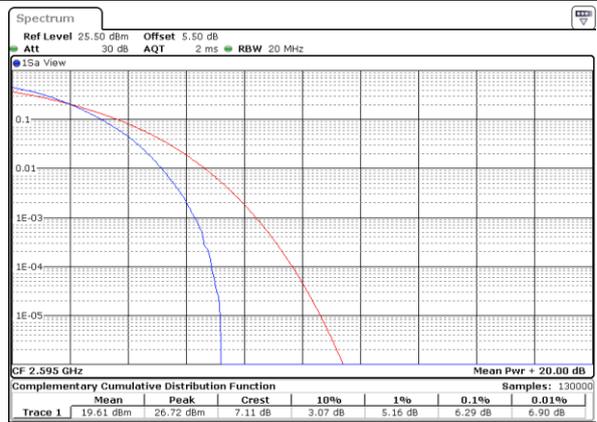
Date: 13 AUG 2018 10:08:04

Middle Channel / 1RB



Date: 13 AUG 2018 10:09:53

Middle Channel / Full RB



Date: 13 AUG 2018 10:09:40

Highest Channel / 1RB



Date: 13 AUG 2018 10:11:32

Highest Channel / Full RB



Date: 13 AUG 2018 10:11:46



**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	1.245	1.248	3.039	3.051	4.965	4.905	9.77	9.83	14.266	14.505	20.18	20.10
Middle CH	1.228	1.222	3.063	3.057	4.935	4.935	9.69	9.67	14.416	14.416	20.22	20.10
Highest CH	1.242	1.228	3.063	3.015	4.845	4.805	9.73	9.75	14.446	14.416	20.18	20.14
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.236		3.009		4.885		9.73		14.535		20.14	
Middle CH	1.225		2.997		4.865		9.77		14.356		20.10	
Highest CH	1.228		3.051		4.835		9.79		14.386		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	1.234	1.206	2.979	2.979	4.935	4.885	9.89	9.73	14.356	14.326	20.18	20.18
Middle CH	1.236	1.234	3.045	3.045	4.865	4.885	9.77	9.87	14.535	14.446	20.18	20.06
Highest CH	1.234	1.228	2.997	3.021	4.895	4.935	9.83	9.71	14.386	14.565	20.06	20.14
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.222		3.039		4.805		9.67		14.326		20.10	
Middle CH	1.239		2.991		4.835		9.89		14.326		20.14	
Highest CH	1.211		3.051		4.785		9.87		14.356		20.10	



Mode	LTE Band 5 : 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	1.211	3.039	3.039	4.935	4.925	9.83	9.69	-	-	-	-
Middle CH	1.234	1.228	3.039	2.973	4.965	4.935	9.75	9.75	-	-	-	-
Highest CH	1.225	1.220	3.003	2.979	4.875	4.865	9.87	9.95	-	-	-	-
BW	1.4MHz		3MHz		5MHz		10MHz					
Mod.	64QAM		64QAM		64QAM		64QAM					
Lowest CH	1.239		2.943		4.825		9.87		-		-	
Middle CH	1.236		3.003		4.855		9.83		-		-	
Highest CH	1.225		3.039		4.885		9.89		-		-	

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	-	-	-	-	4.905	4.865	9.71	9.73	14.625	14.356	20.14	20.26
Middle CH	-	-	-	-	4.935	4.885	9.79	9.69	14.296	14.476	20.22	20.02
Highest CH	-	-	-	-	4.915	4.975	9.75	9.79	14.176	14.386	20.14	20.18
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.905		9.73		14.625		20.18	
Middle CH	-	-	-	-	4.945		9.95		14.535		20.22	
Highest CH	-	-	-	-	4.835		9.83		14.266		20.10	

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	-	-	-	-	4.865	4.915	9.67	9.65	14.236	14.386	20.18	20.18
Middle CH	-	-	-	-	4.875	4.865	9.73	9.69	14.326	14.446	20.14	20.10
Highest CH	-	-	-	-	4.855	4.755	9.65	9.85	14.236	14.296	20.18	20.14
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-		-		4.895		9.67		14.386		20.06	
Middle CH	-		-		4.845		9.67		14.476		20.26	
Highest CH	-		-		4.915		9.73		14.446		20.18	



For CA

Mode	LTE Band 7 : 26dB BW(MHz)			
QPSK				
BW	10MHz+20MHz	-	15MHz+10MHz	15MHz+15MHz
Lowest CH	29.97	-	25.425	30.629
Middle CH	29.85	-	25.425	30.509
Highest CH	29.97	-	25.425	30.569
BW	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.965	30.15	35.105	40.04
Middle CH	34.895	30.21	35.035	39.88
Highest CH	34.895	30.09	35.035	39.88

Mode	LTE Band 7 : 26dB BW(MHz)			
16QAM				
BW	10MHz+20MHz	-	15MHz+10MHz	15MHz+15MHz
Lowest CH	29.97	-	25.425	30.45
Middle CH	29.85	-	25.325	30.569
Highest CH	29.85	-	25.275	30.569
BW	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.825	30.15	34.965	39.96
Middle CH	34.825	29.97	34.825	39.88
Highest CH	34.825	30.21	34.965	39.88

Mode	LTE Band 7 : 26dB BW(MHz)			
64QAM				
BW	10MHz+20MHz	-	15MHz+10MHz	15MHz+15MHz
Lowest CH	29.97	-	25.475	30.689
Middle CH	29.85	-	25.574	30.689
Highest CH	29.97	-	25.375	30.689
BW	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.825	30.15	34.965	39.88
Middle CH	34.895	30.03	34.895	39.80
Highest CH	34.895	30.09	34.965	39.88



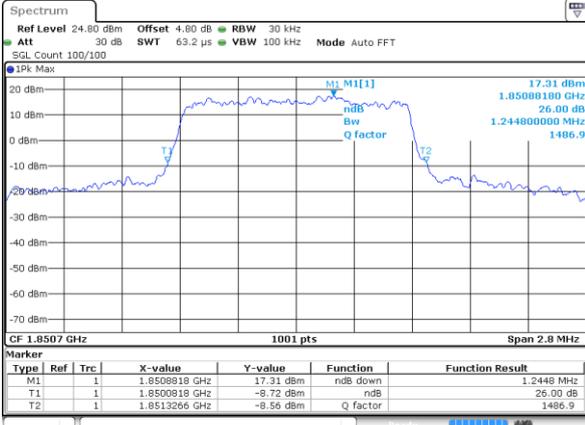
Mode	LTE Band 38 : 26dB BW(MHz)			
Mod.	QPSK		16QAM	
BW	15MHz+15MHz	20MHz+20MHz	15MHz+15MHz	20MHz+20MHz
Lowest CH	30.689	39.96	30.569	40.04
Middle CH	30.629	39.88	30.749	40.04
Highest CH	30.689	39.96	30.629	39.80

Mode	LTE Band 38 : 26dB BW(MHz)			
Mod.	64QAM		-	
BW	15MHz+15MHz	20MHz+20MHz	-	-
Lowest CH	30.689	40.04	-	-
Middle CH	30.629	39.88	-	-
Highest CH	30.569	39.96	-	-



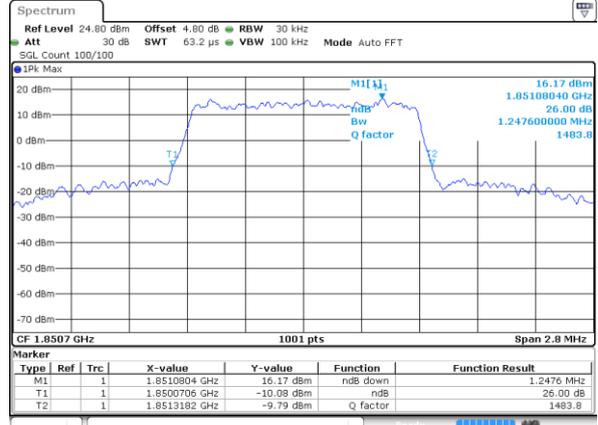
LTE Band 2

Lowest Channel / 1.4MHz / QPSK



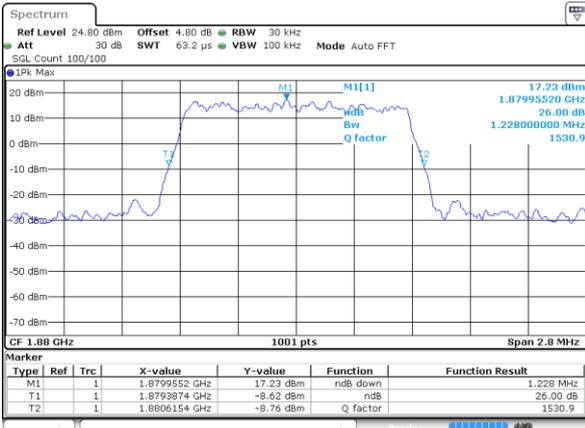
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Lowest Channel / 1.4MHz / 16QAM



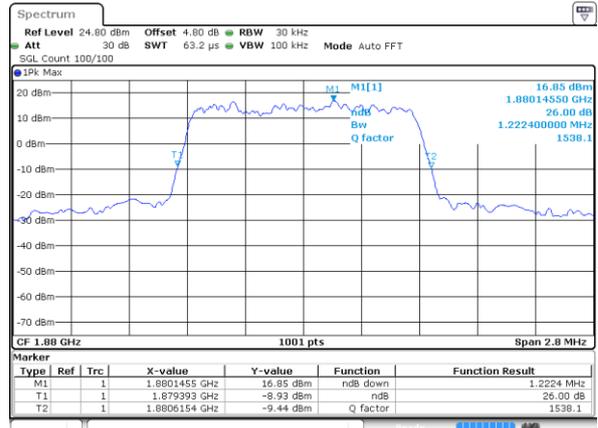
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Middle Channel / 1.4MHz / QPSK



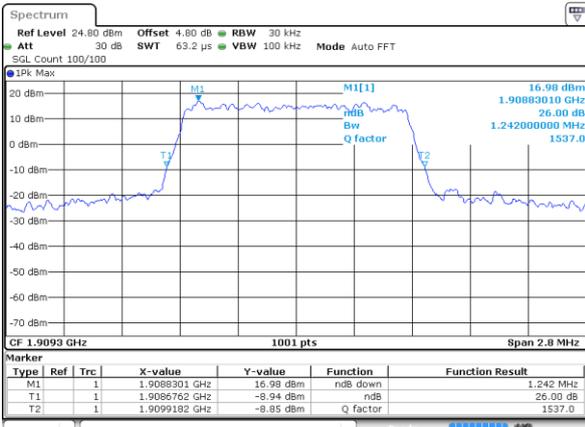
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Middle Channel / 1.4MHz / 16QAM



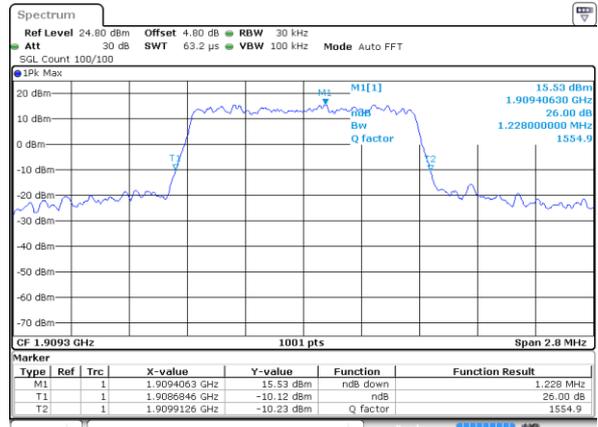
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Highest Channel / 1.4MHz / QPSK



Date: 10 JUL 2018 10:57:37

Highest Channel / 1.4MHz / 16QAM

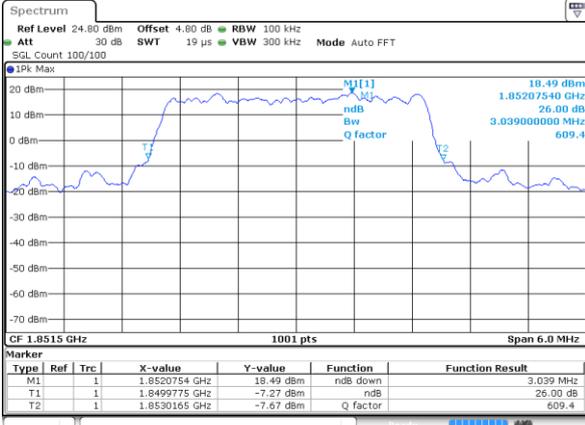


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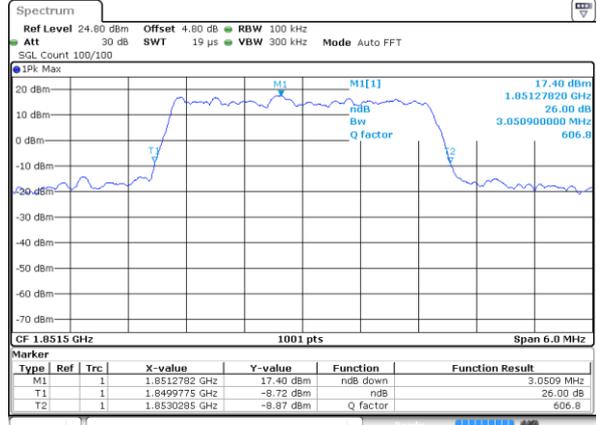
LTE Band 2

Lowest Channel / 3MHz / QPSK



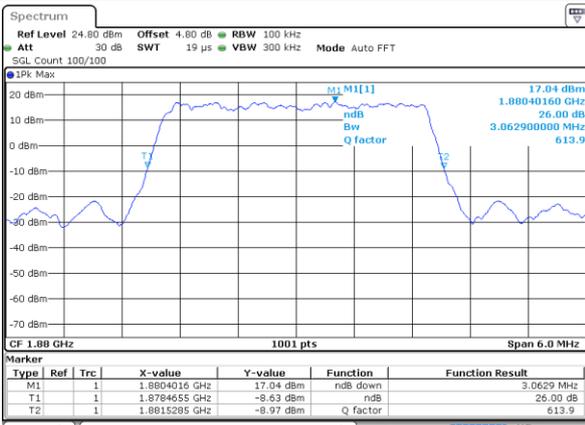
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Lowest Channel / 3MHz / 16QAM



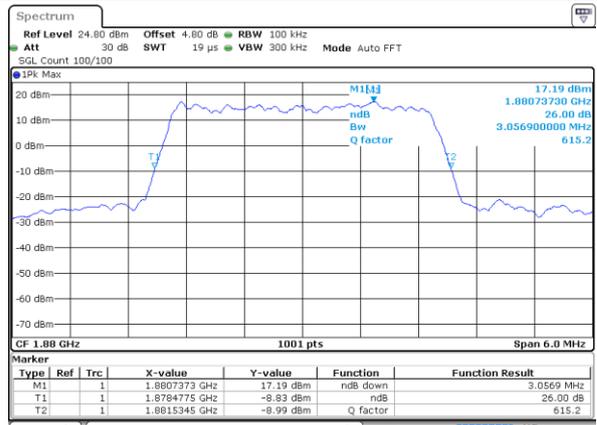
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Middle Channel / 3MHz / QPSK



Date: 10\_JUL\_2018 11:02:34

Middle Channel / 3MHz / 16QAM



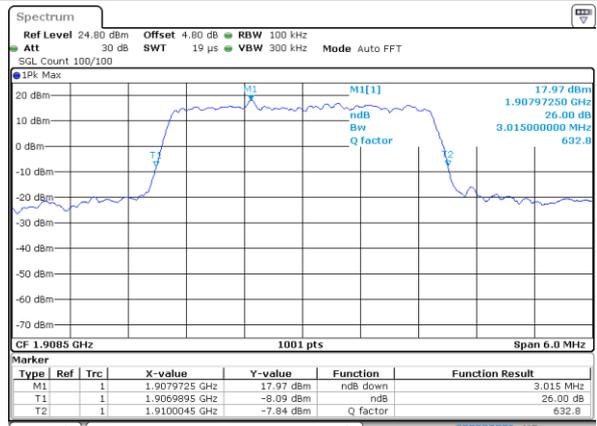
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Highest Channel / 3MHz / QPSK



Date: 10\_JUL\_2018 11:05:03

Highest Channel / 3MHz / 16QAM

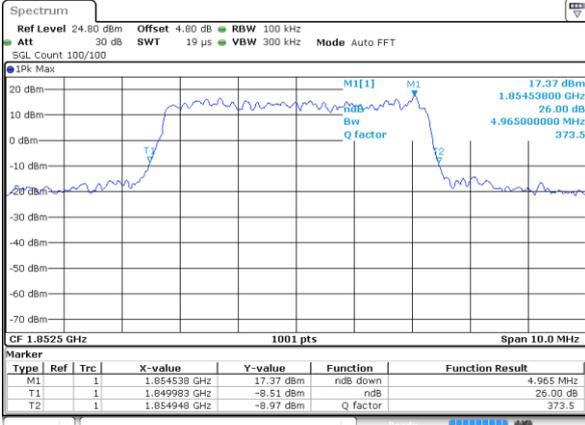


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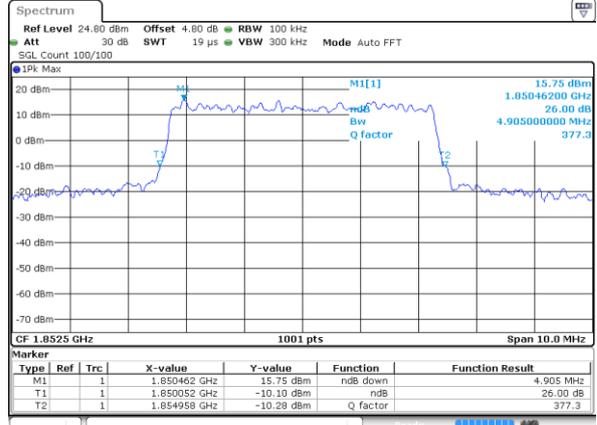
LTE Band 2

Lowest Channel / 5MHz / QPSK



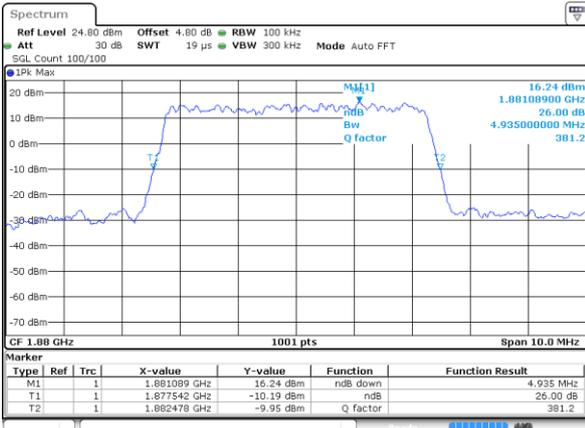
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Lowest Channel / 5MHz / 16QAM



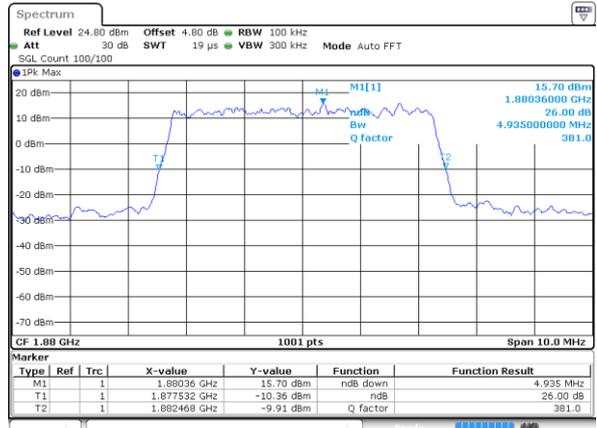
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Middle Channel / 5MHz / QPSK



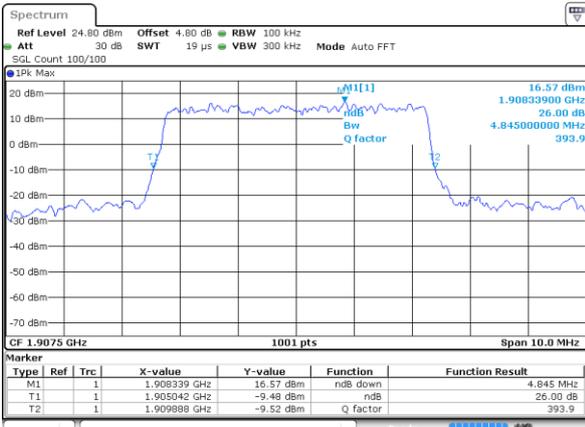
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Middle Channel / 5MHz / 16QAM



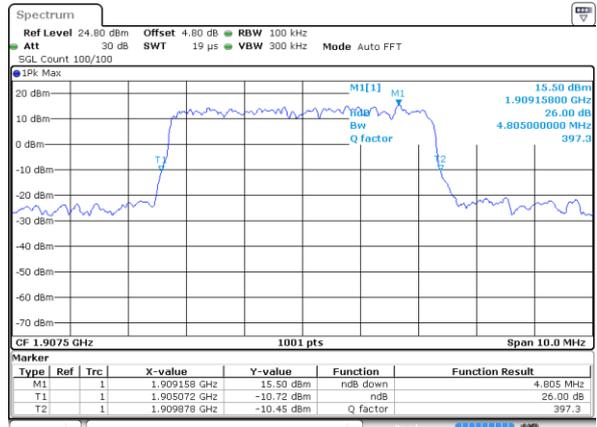
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Highest Channel / 5MHz / QPSK



Date: 10\_JUL 2018 11:12:30

Highest Channel / 5MHz / 16QAM

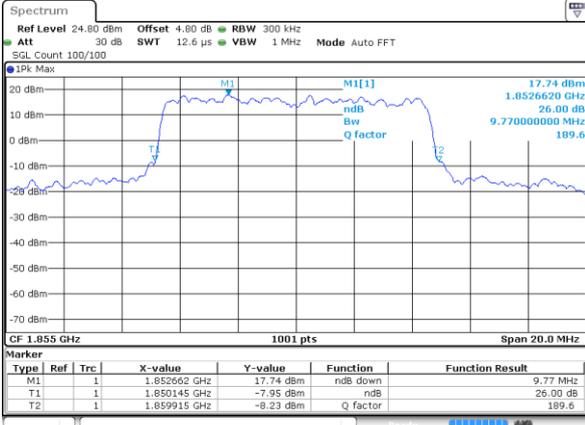


Date: 10\_JUL 2018 11:12:40



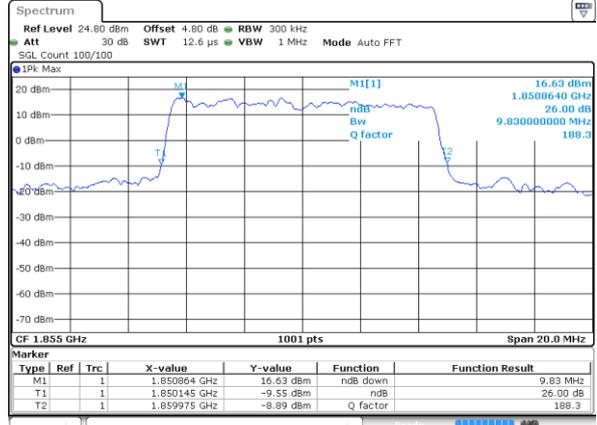
LTE Band 2

Lowest Channel / 10MHz / QPSK



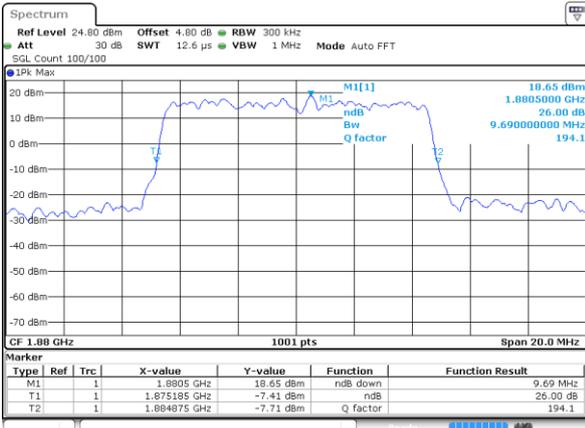
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Lowest Channel / 10MHz / 16QAM



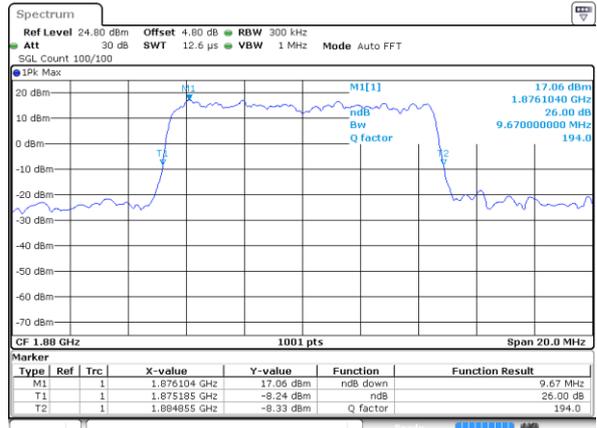
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Middle Channel / 10MHz / QPSK



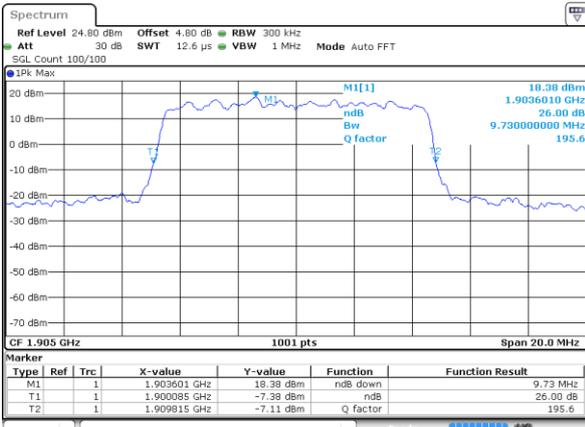
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Middle Channel / 10MHz / 16QAM



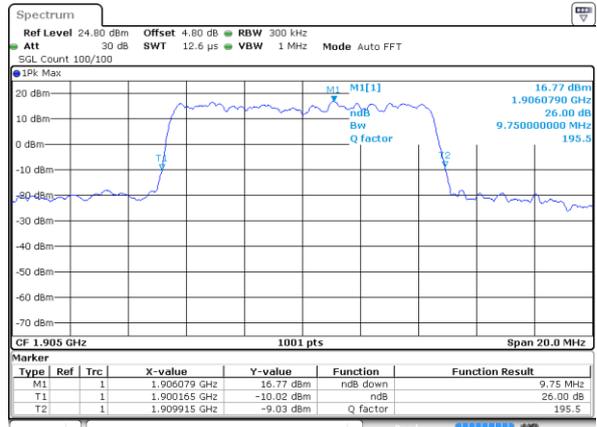
Date: 10 JUL 2018 11:17:38

Highest Channel / 10MHz / QPSK



Date: 10 JUL 2018 11:19:57

Highest Channel / 10MHz / 16QAM



Date: 10 JUL 2018 11:20:07



LTE Band 2

Lowest Channel / 15MHz / QPSK



Date: 10 JUL 2018 11:22:26

Lowest Channel / 15MHz / 16QAM



Date: 10 JUL 2018 11:22:36

Middle Channel / 15MHz / QPSK



Date: 10 JUL 2018 11:24:55

Middle Channel / 15MHz / 16QAM



Date: 10 JUL 2018 11:25:05

Highest Channel / 15MHz / QPSK



Date: 10 JUL 2018 11:27:24

Highest Channel / 15MHz / 16QAM

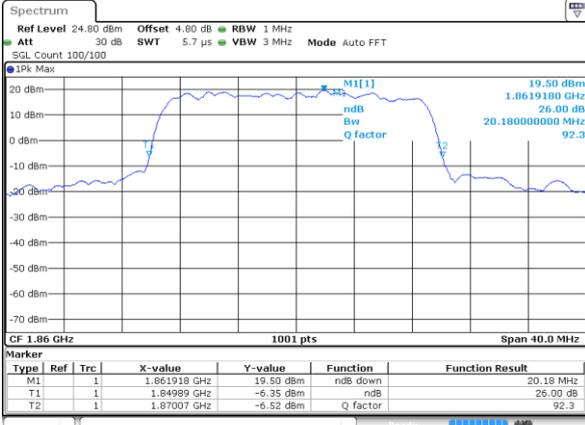


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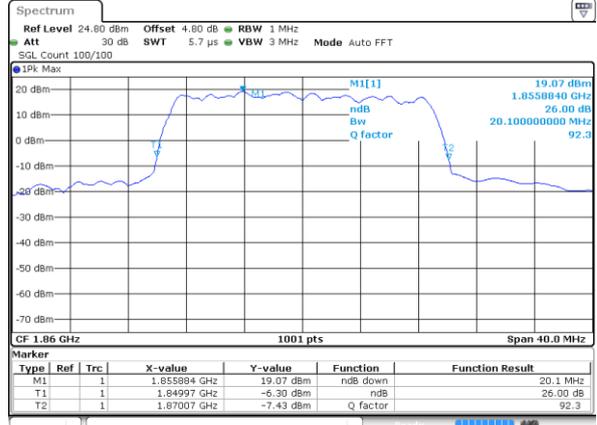
LTE Band 2

Lowest Channel / 20MHz / QPSK



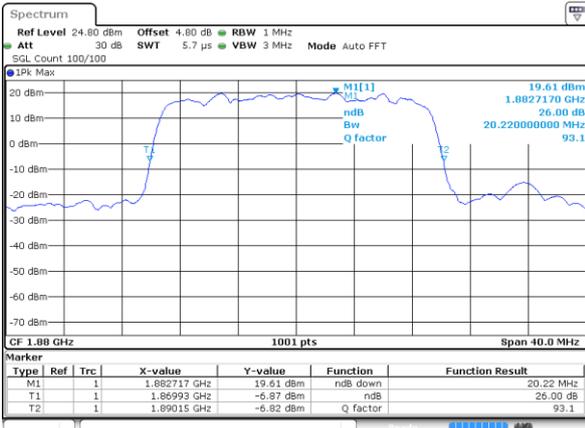
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Lowest Channel / 20MHz / 16QAM



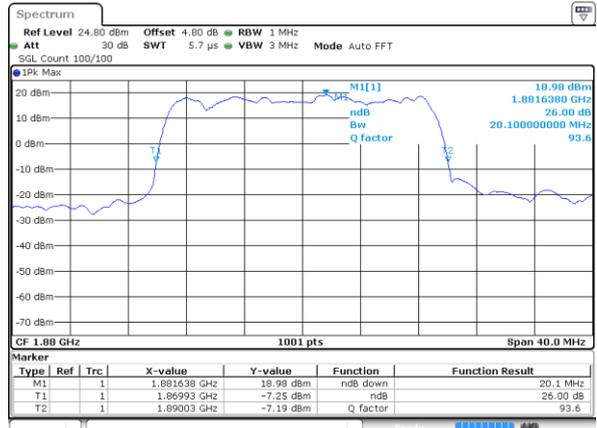
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Middle Channel / 20MHz / QPSK



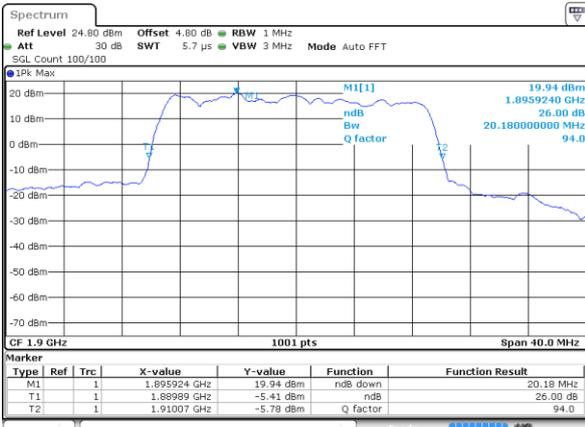
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Middle Channel / 20MHz / 16QAM



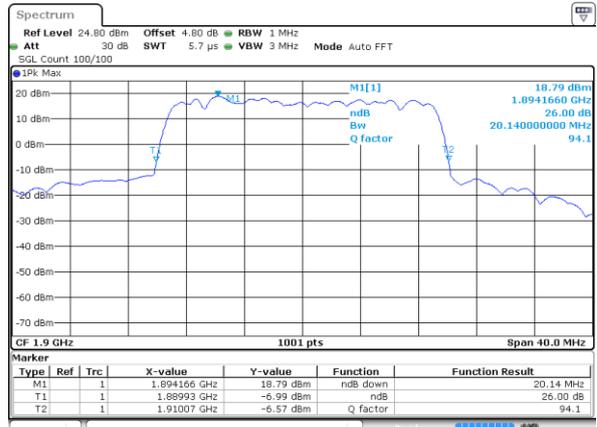
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Highest Channel / 20MHz / QPSK



Date: 10 JUL 2018 11:34:51

Highest Channel / 20MHz / 16QAM

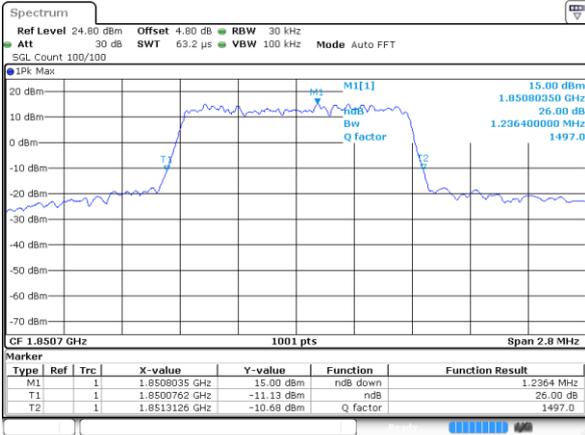


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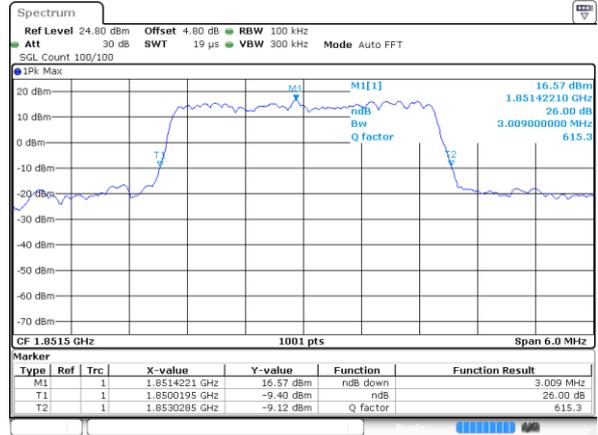
LTE Band 2

Lowest Channel / 1.4MHz / 64QAM



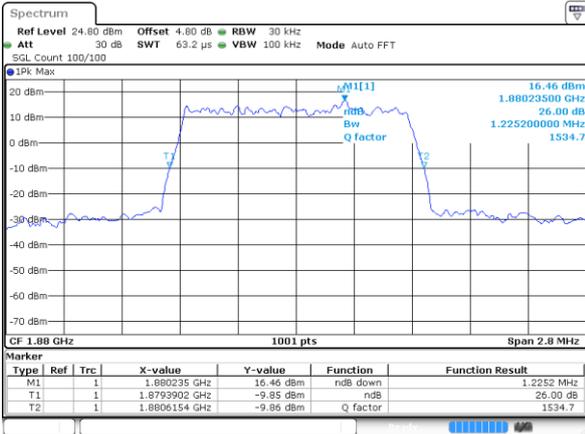
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Lowest Channel / 3MHz / 64QAM



Date: 10 JUL 2018 11:51:37

Middle Channel / 1.4MHz / 64QAM



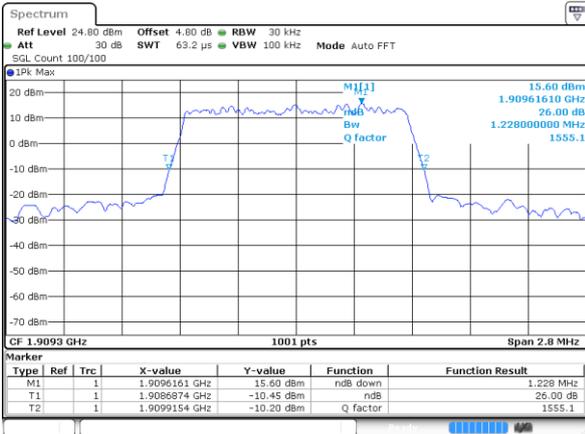
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Middle Channel / 3MHz / 64QAM



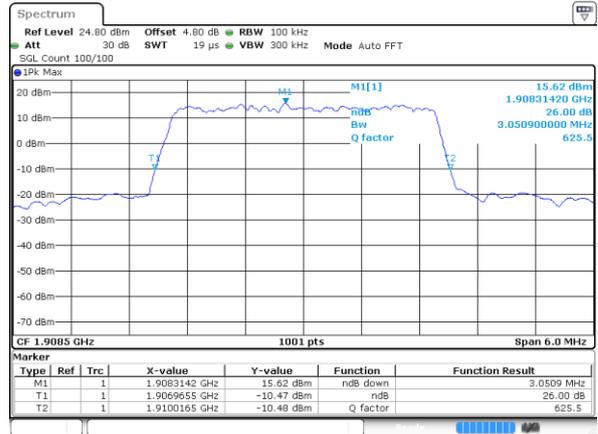
Date: 10 JUL 2018 11:51:47

Highest Channel / 1.4MHz / 64QAM



Date: 10 JUL 2018 11:51:27

Highest Channel / 3MHz / 64QAM

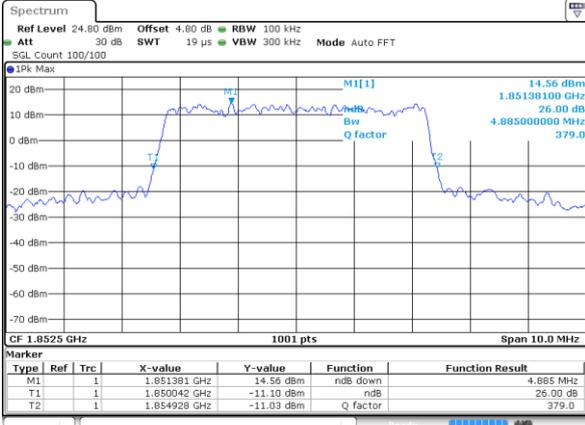


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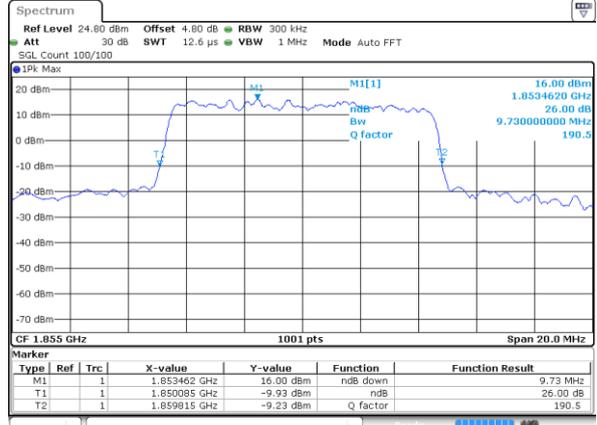
LTE Band 2

Lowest Channel / 5MHz / 64QAM



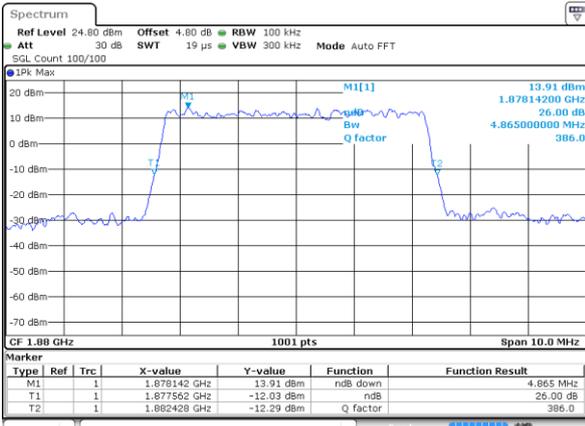
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Lowest Channel / 10MHz / 64QAM



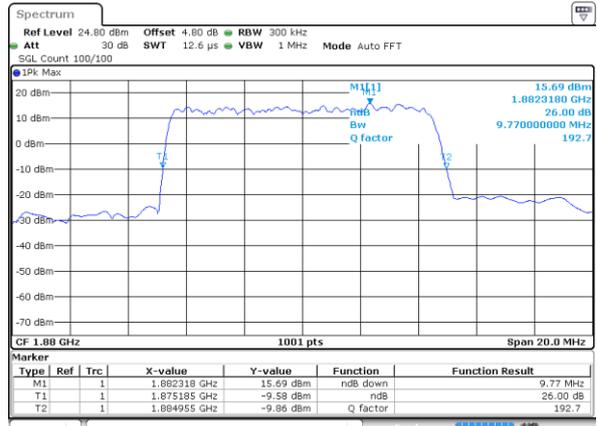
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Middle Channel / 5MHz / 64QAM



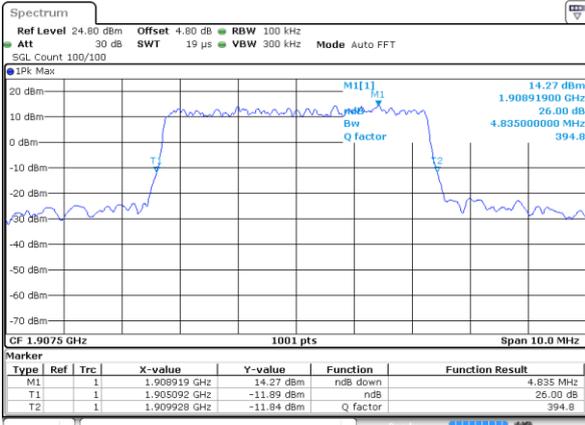
Date: 10 JUL 2018 11:52:16

Middle Channel / 10MHz / 64QAM



Date: 10 JUL 2018 11:52:46

Highest Channel / 5MHz / 64QAM



Date: 10 JUL 2018 11:52:26

Highest Channel / 10MHz / 64QAM

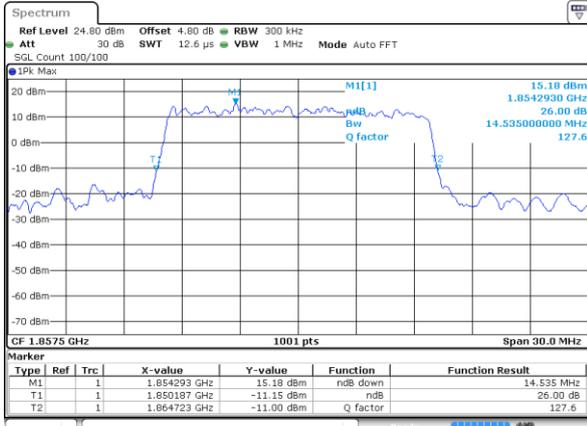


Date: 10 JUL 2018 11:52:56



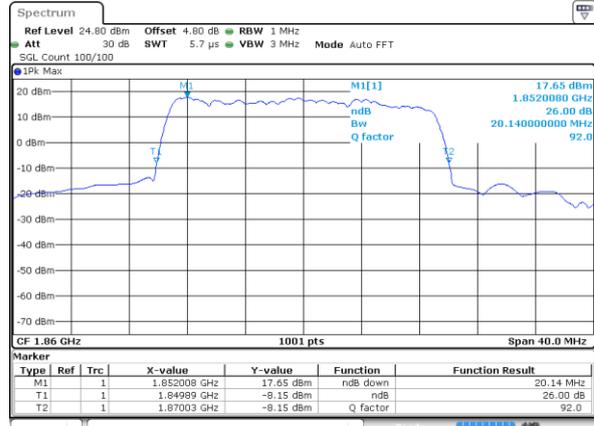
LTE Band 2

Lowest Channel / 15MHz / 64QAM



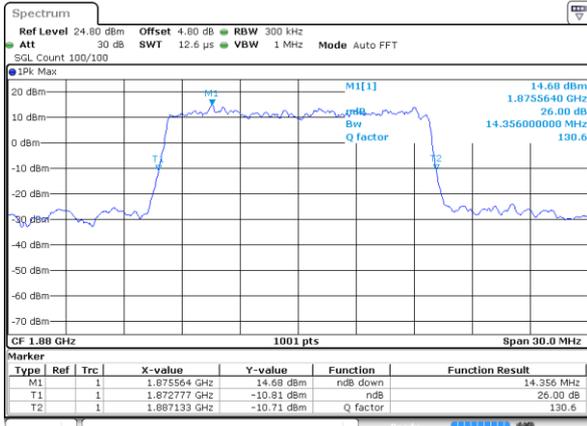
Date: 10 JUL 2018 11:53:06

Lowest Channel / 20MHz / 64QAM



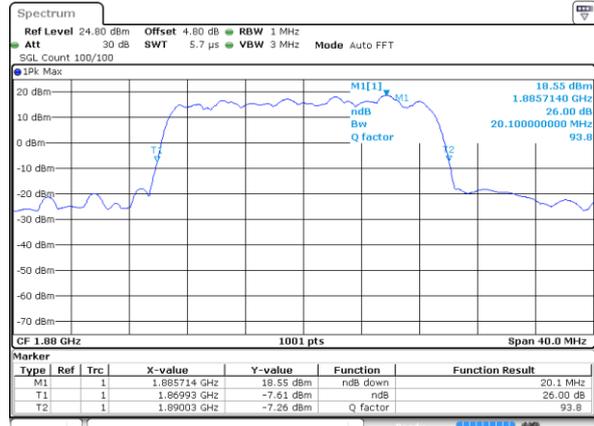
Date: 10 JUL 2018 11:53:36

Middle Channel / 15MHz / 64QAM



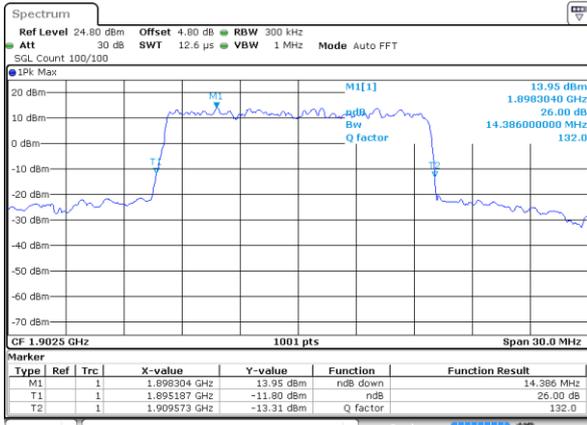
Date: 10 JUL 2018 11:53:16

Middle Channel / 20MHz / 64QAM



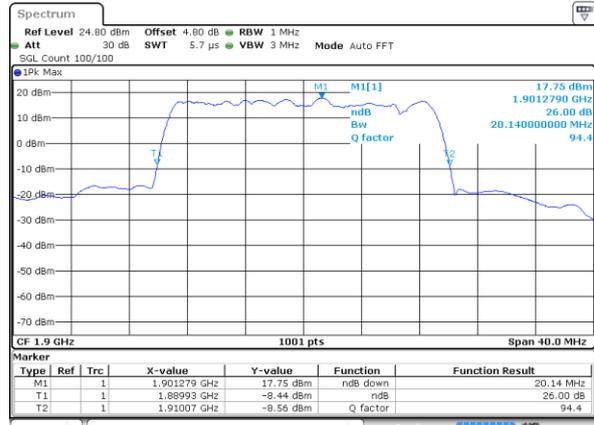
Date: 10 JUL 2018 11:53:45

Highest Channel / 15MHz / 64QAM



Date: 10 JUL 2018 11:53:26

Highest Channel / 20MHz / 64QAM

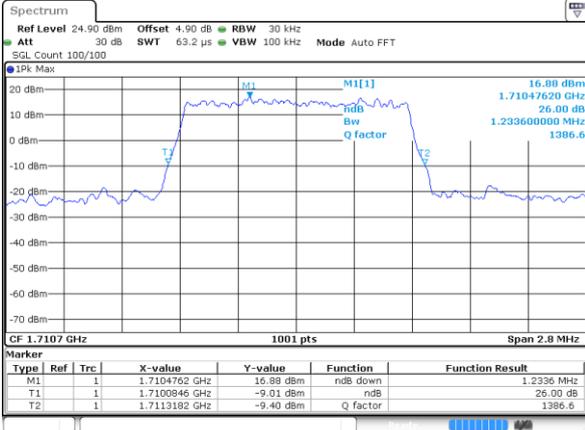


Date: 10 JUL 2018 11:53:55



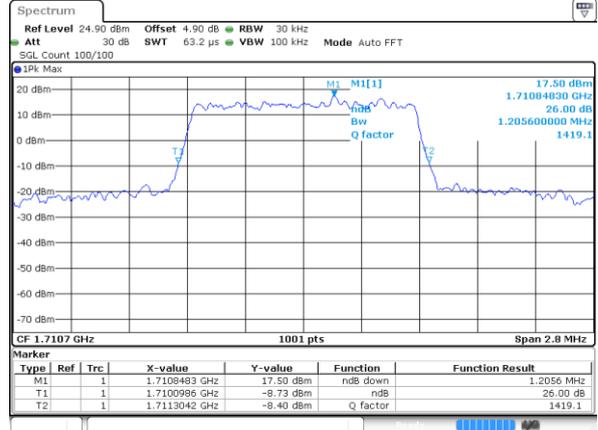
LTE Band 4

Lowest Channel / 1.4MHz / QPSK



Date: 9 JUL 2018 20:00:42

Lowest Channel / 1.4MHz / 16QAM



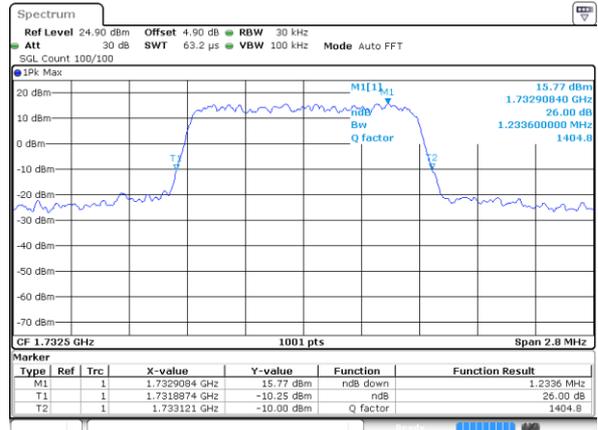
Date: 9 JUL 2018 20:00:51

Middle Channel / 1.4MHz / QPSK



Date: 9 JUL 2018 20:07:39

Middle Channel / 1.4MHz / 16QAM



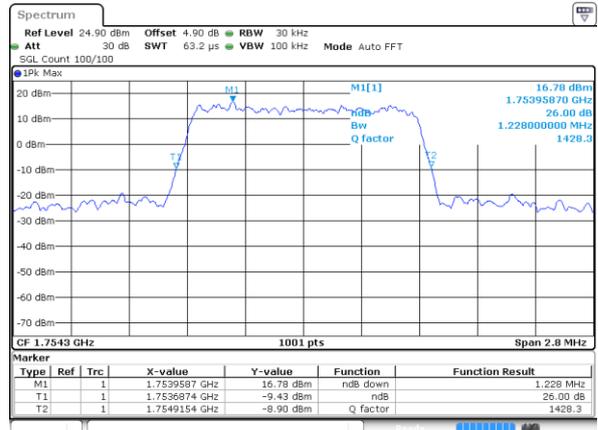
Date: 9 JUL 2018 20:07:49

Highest Channel / 1.4MHz / QPSK



Date: 9 JUL 2018 20:10:08

Highest Channel / 1.4MHz / 16QAM

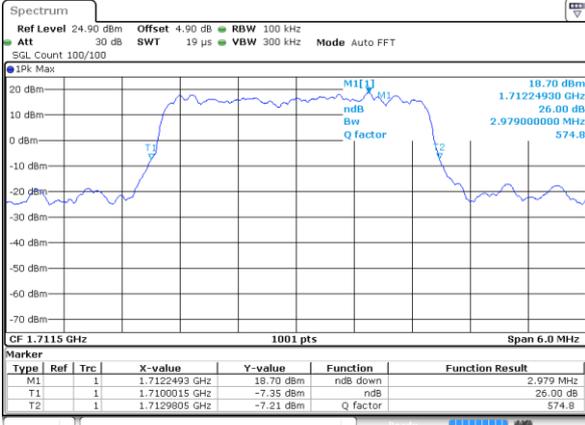


Date: 9 JUL 2018 20:10:18



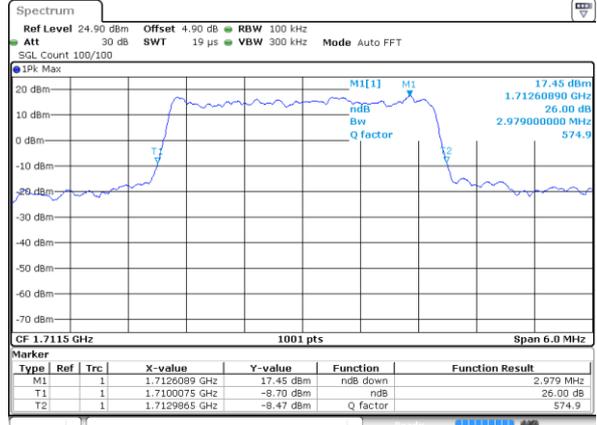
LTE Band 4

Lowest Channel / 3MHz / QPSK



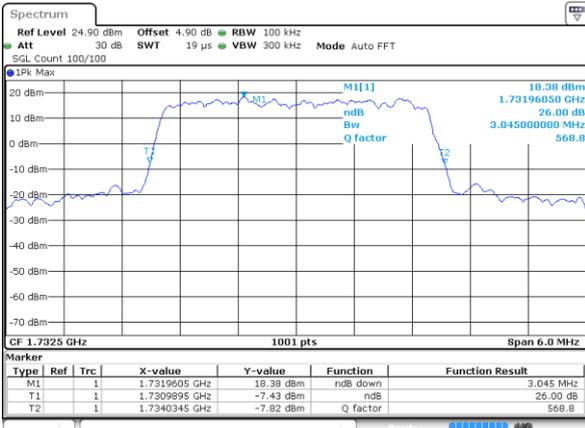
Date: 9 JUL 2018 20:27:04

Lowest Channel / 3MHz / 16QAM



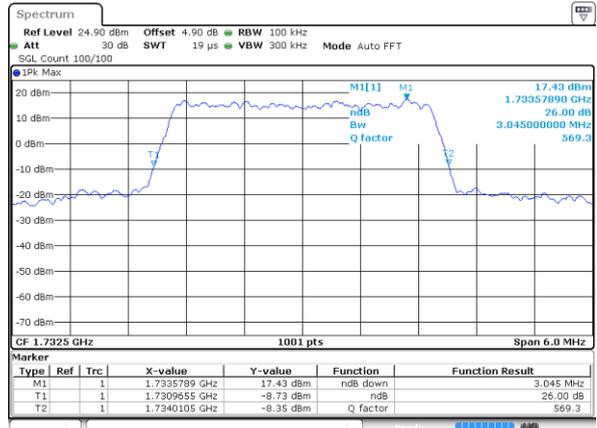
Date: 9 JUL 2018 20:27:14

Middle Channel / 3MHz / QPSK



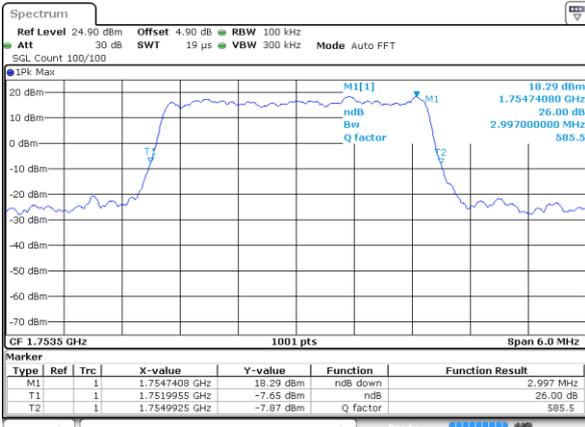
Date: 9 JUL 2018 20:41:51

Middle Channel / 3MHz / 16QAM



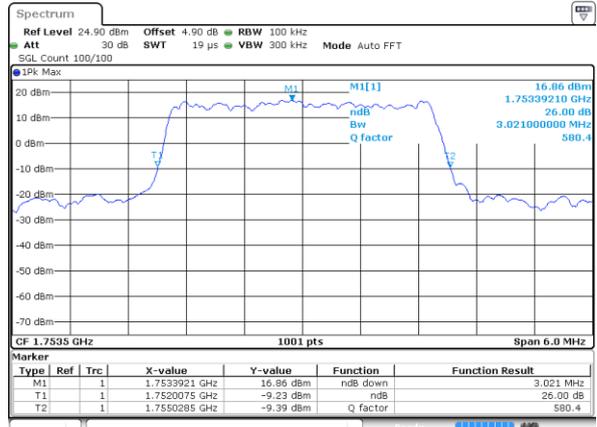
Date: 9 JUL 2018 20:42:01

Highest Channel / 3MHz / QPSK



Date: 9 JUL 2018 20:44:19

Highest Channel / 3MHz / 16QAM

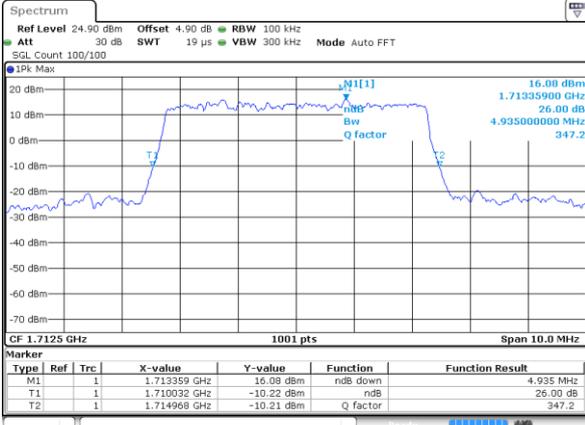


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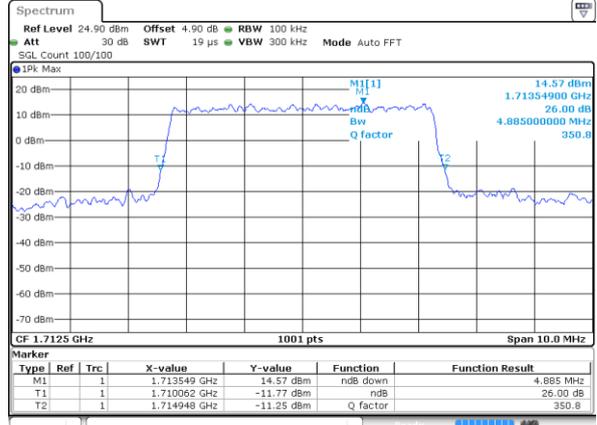
LTE Band 4

Lowest Channel / 5MHz / QPSK



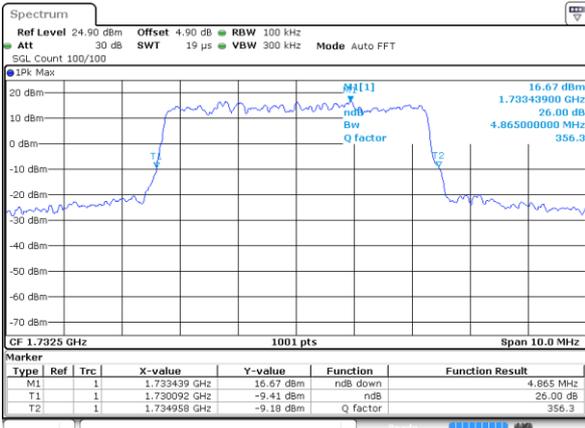
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Lowest Channel / 5MHz / 16QAM



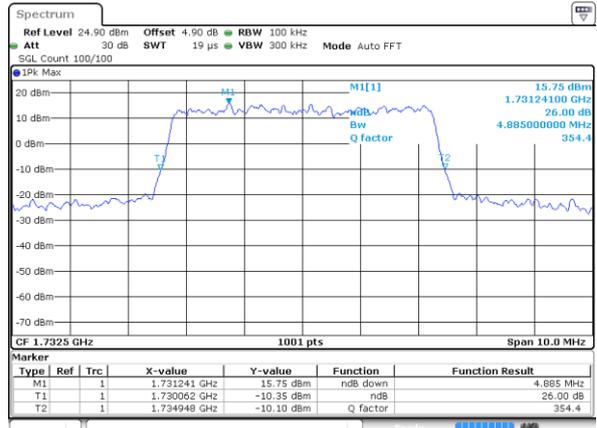
Date: 9 JUL 2018 20:51:27

Middle Channel / 5MHz / QPSK



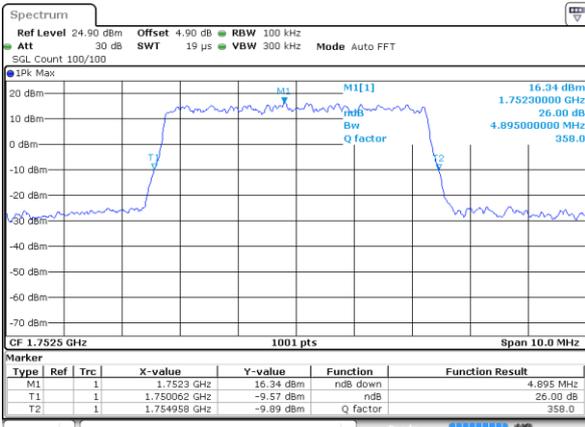
Date: 9 JUL 2018 20:58:15

Middle Channel / 5MHz / 16QAM



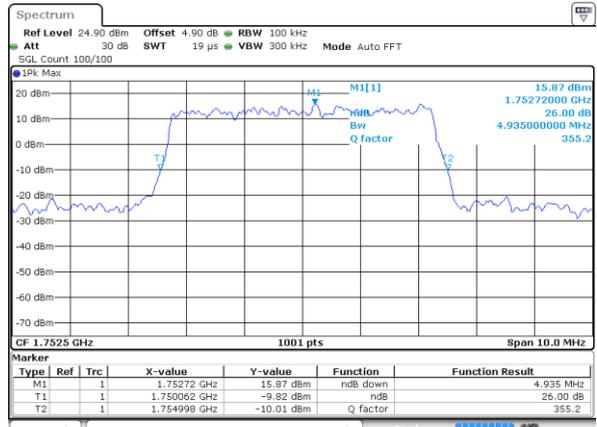
Date: 9 JUL 2018 20:58:25

Highest Channel / 5MHz / QPSK



Date: 9 JUL 2018 21:00:44

Highest Channel / 5MHz / 16QAM

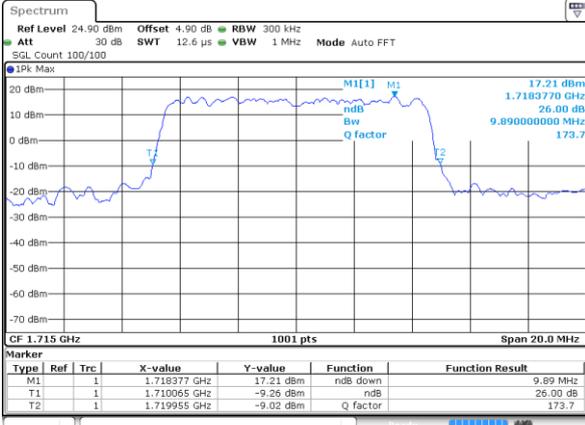


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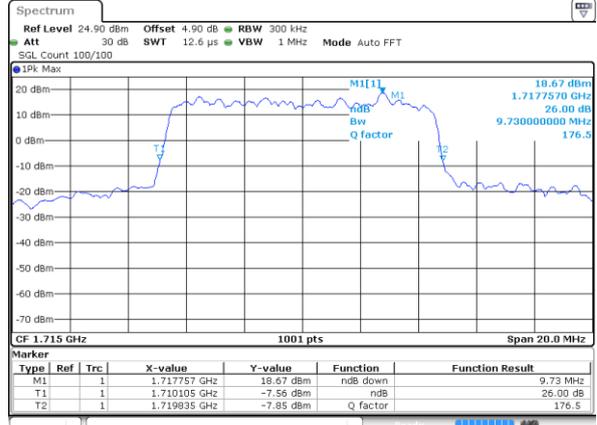
LTE Band 4

Lowest Channel / 10MHz / QPSK



Date: 9 JUL 2018 21:07:42

Lowest Channel / 10MHz / 16QAM



Date: 9 JUL 2018 21:07:52

Middle Channel / 10MHz / QPSK



Date: 9 JUL 2018 21:14:39

Middle Channel / 10MHz / 16QAM



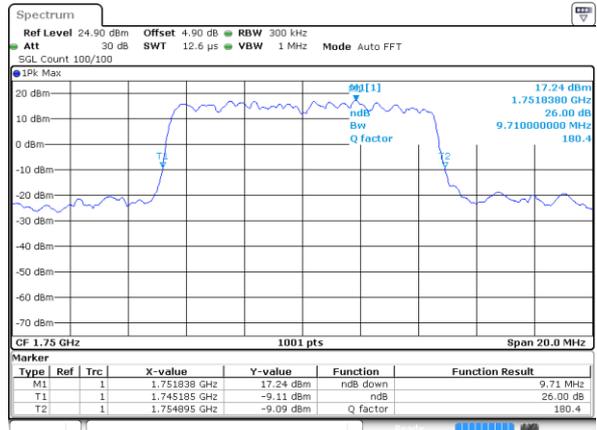
Date: 9 JUL 2018 21:14:49

Highest Channel / 10MHz / QPSK



Date: 9 JUL 2018 21:17:08

Highest Channel / 10MHz / 16QAM

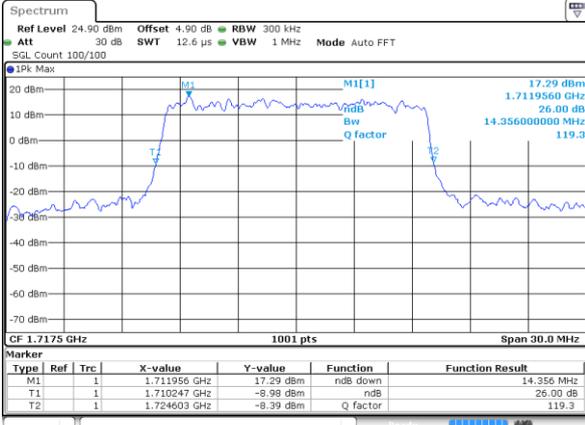


Date: 9 JUL 2018 21:17:18



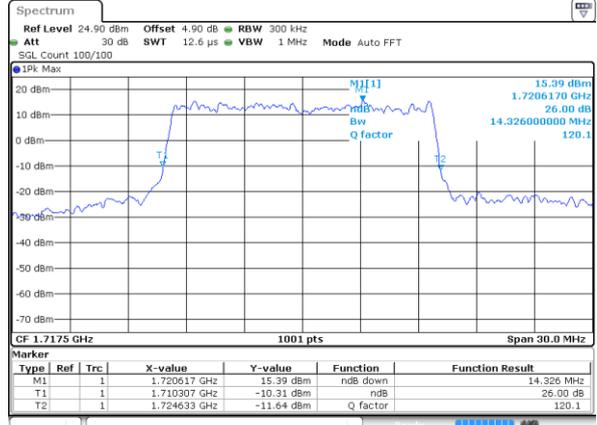
LTE Band 4

Lowest Channel / 15MHz / QPSK



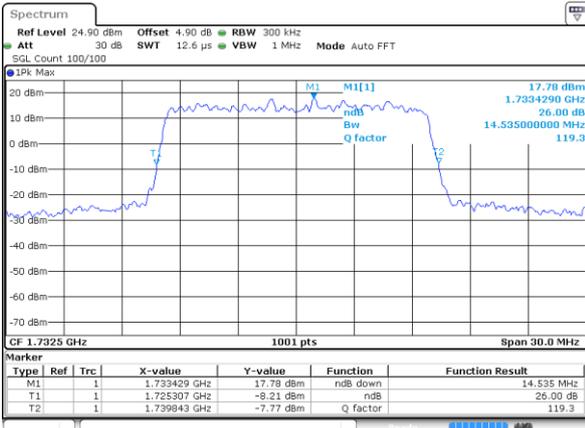
Date: 9 JUL 2018 21:24:06

Lowest Channel / 15MHz / 16QAM



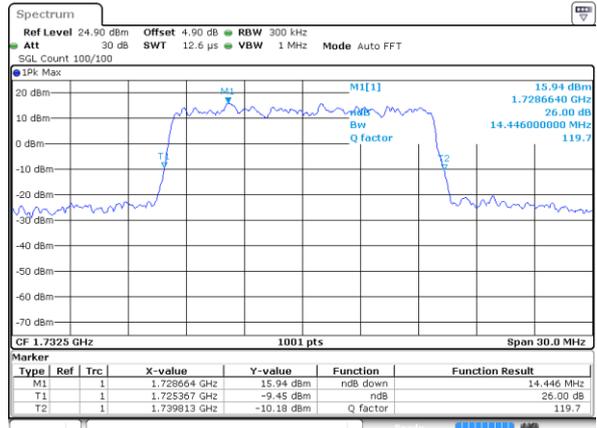
Date: 9 JUL 2018 21:24:16

Middle Channel / 15MHz / QPSK



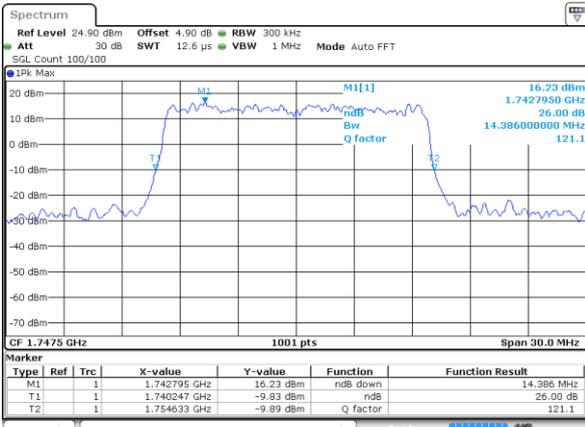
Date: 9 JUL 2018 21:31:04

Middle Channel / 15MHz / 16QAM



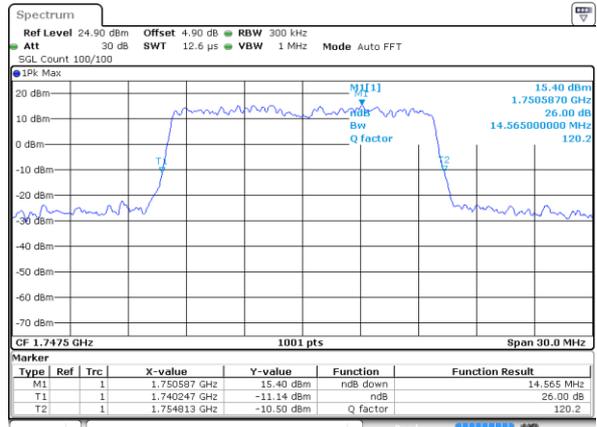
Date: 9 JUL 2018 21:31:14

Highest Channel / 15MHz / QPSK



Date: 9 JUL 2018 21:33:33

Highest Channel / 15MHz / 16QAM

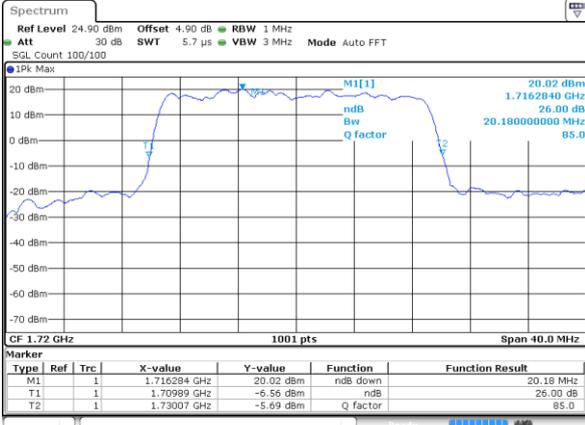


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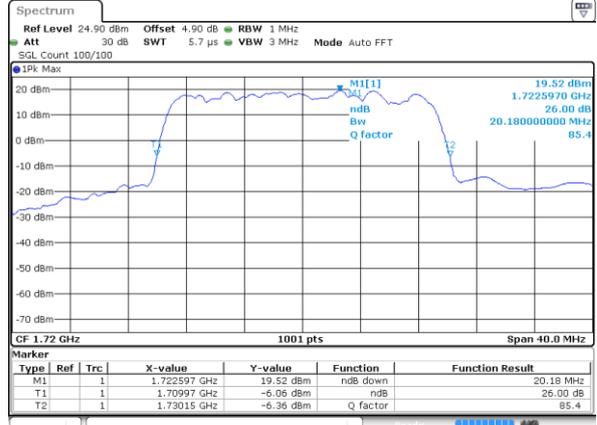
LTE Band 4

Lowest Channel / 20MHz / QPSK



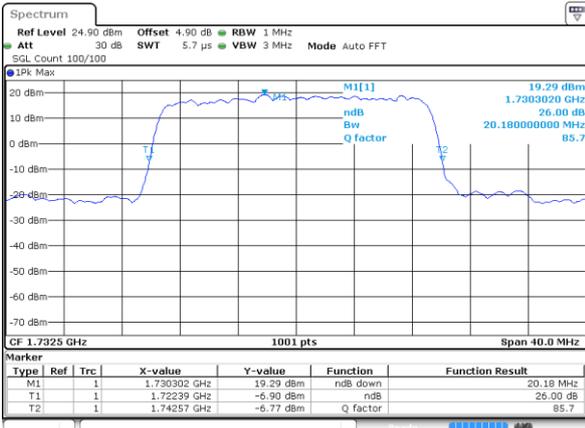
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Lowest Channel / 20MHz / 16QAM



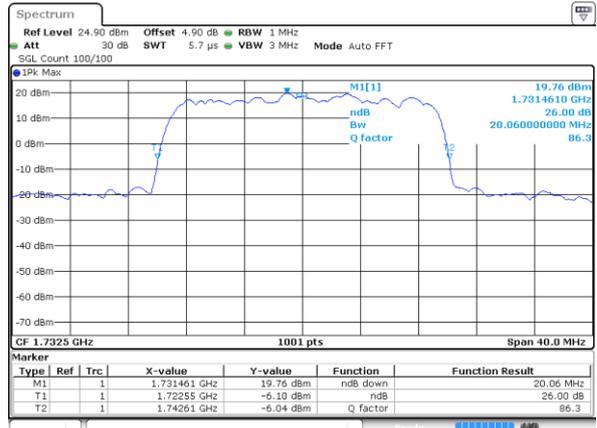
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Middle Channel / 20MHz / QPSK



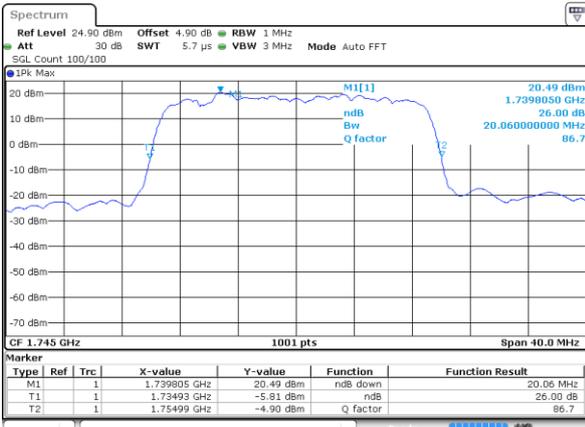
Date: 9 JUL 2018 21:47:29

Middle Channel / 20MHz / 16QAM



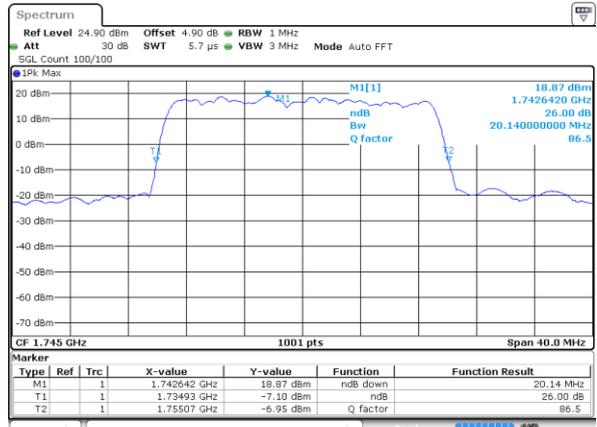
Date: 9 JUL 2018 21:47:38

Highest Channel / 20MHz / QPSK



Date: 9 JUL 2018 21:49:57

Highest Channel / 20MHz / 16QAM

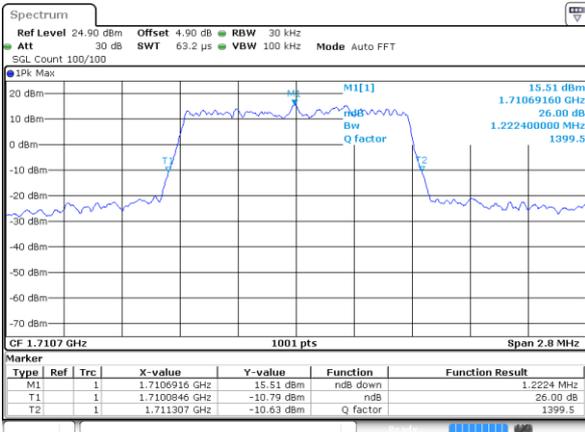


Date: 9 JUL 2018 21:50:07



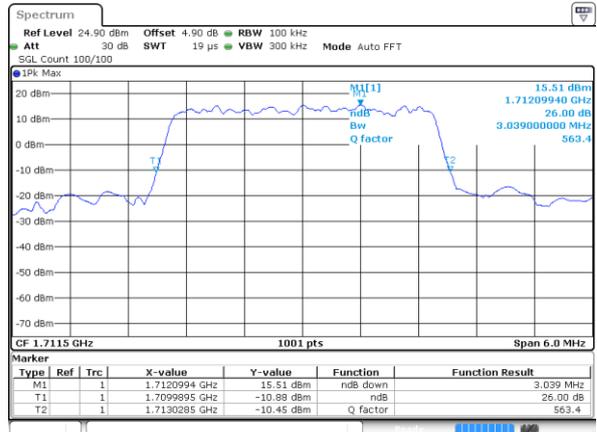
LTE Band 4

Lowest Channel / 1.4MHz / 64QAM



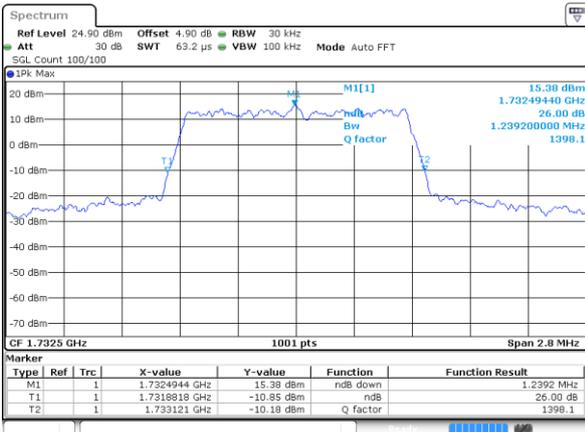
Date: 9 JUL 2018 22:15:06

Lowest Channel / 3MHz / 64QAM



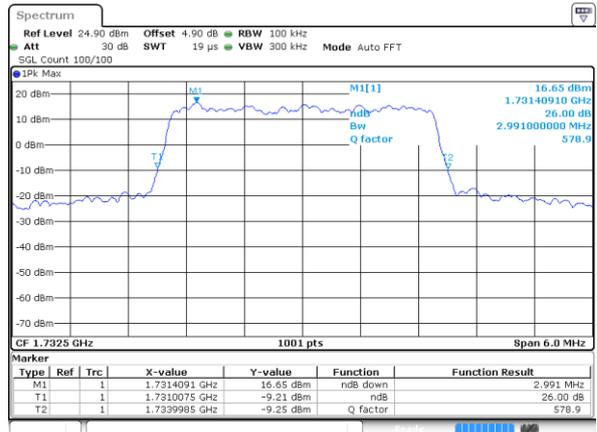
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Middle Channel / 1.4MHz / 64QAM



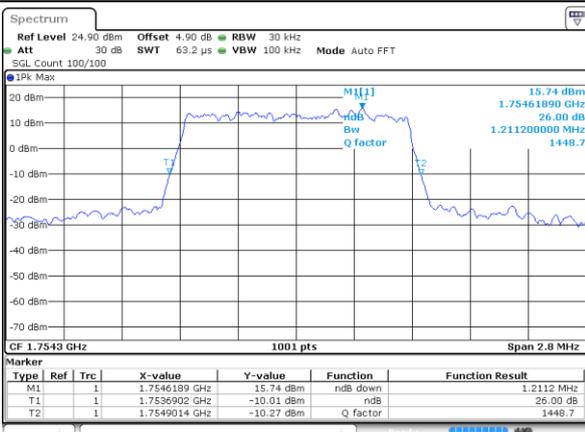
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Middle Channel / 3MHz / 64QAM



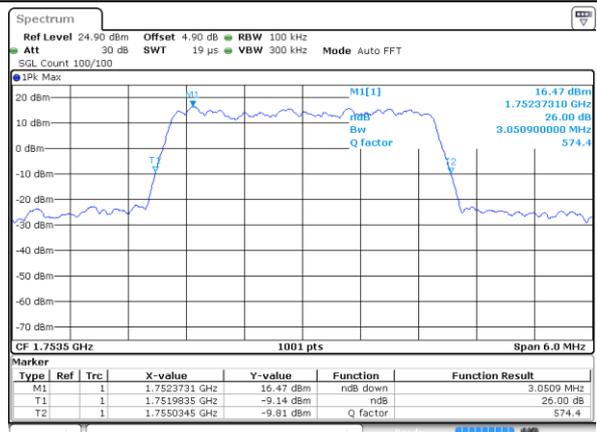
Date: 9 JUL 2018 22:16:25

Highest Channel / 1.4MHz / 64QAM



Date: 9 JUL 2018 22:15:45

Highest Channel / 3MHz / 64QAM

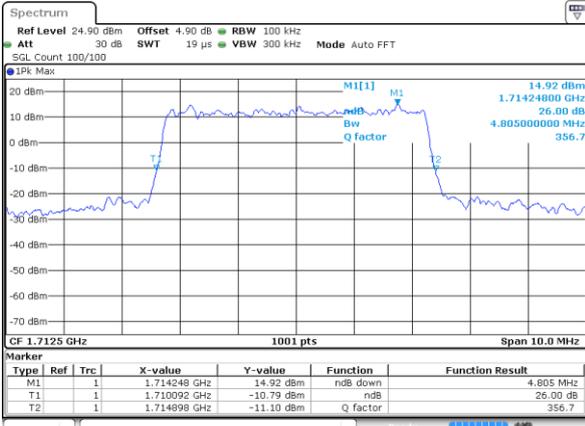


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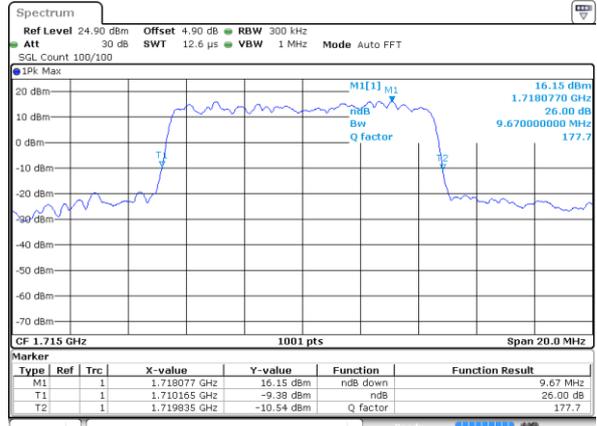
LTE Band 4

Lowest Channel / 5MHz / 64QAM



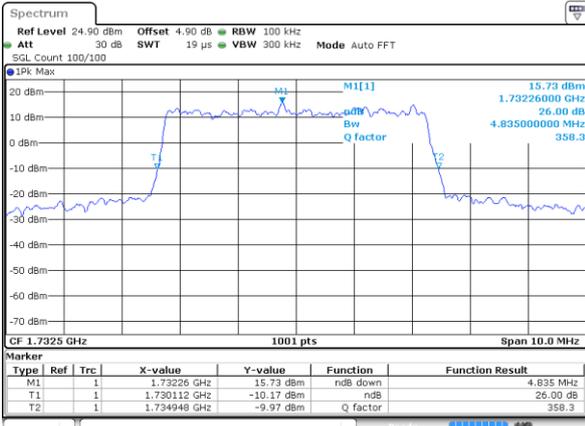
Date: 9 JUL 2018 22:17:05

Lowest Channel / 10MHz / 64QAM



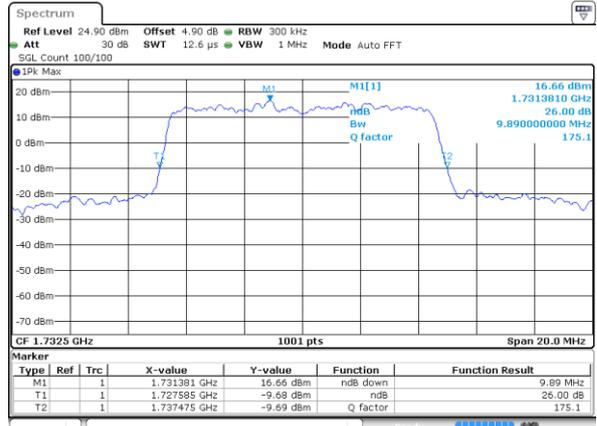
Date: 9 JUL 2018 22:18:04

Middle Channel / 5MHz / 64QAM



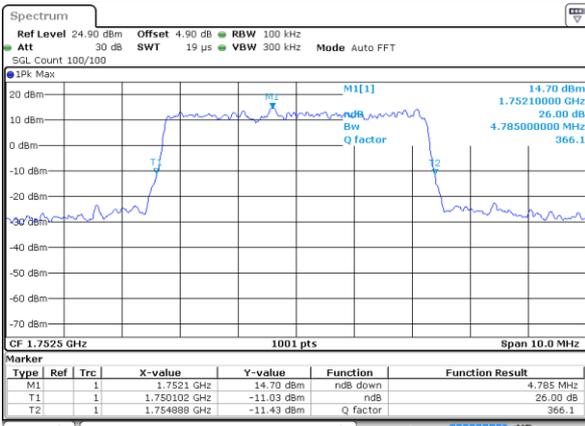
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Middle Channel / 10MHz / 64QAM



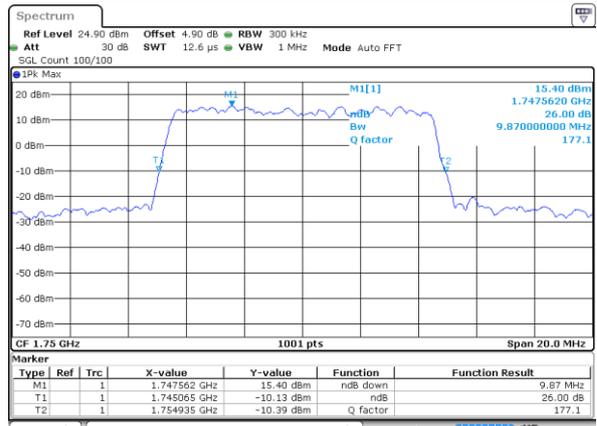
Date: 9 JUL 2018 22:18:24

Highest Channel / 5MHz / 64QAM



Date: 9 JUL 2018 22:17:45

Highest Channel / 10MHz / 64QAM

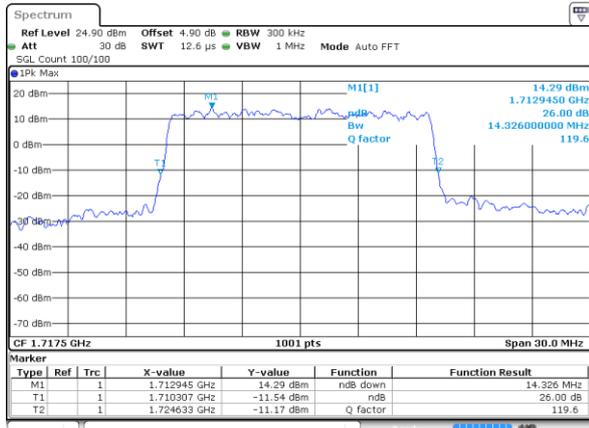


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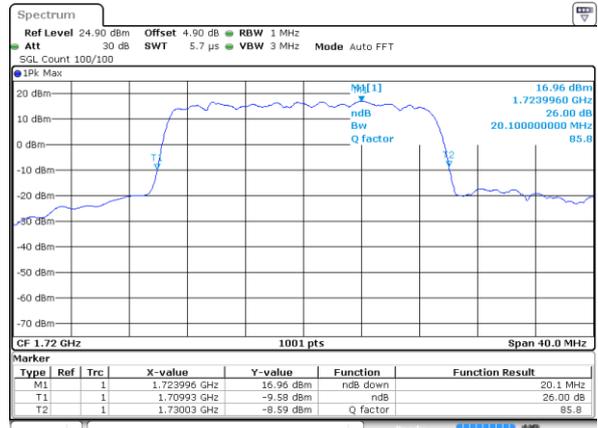
LTE Band 4

Lowest Channel / 15MHz / 64QAM



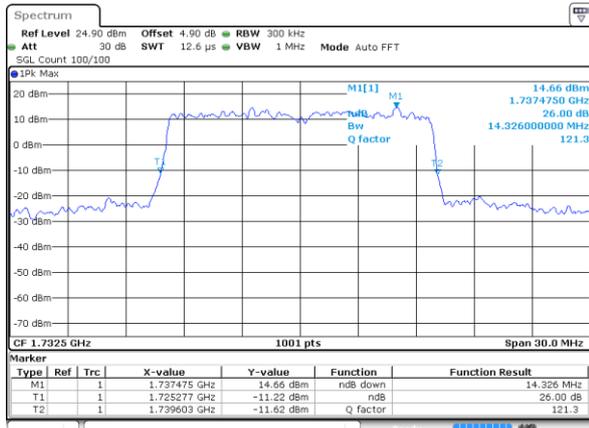
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Lowest Channel / 20MHz / 64QAM



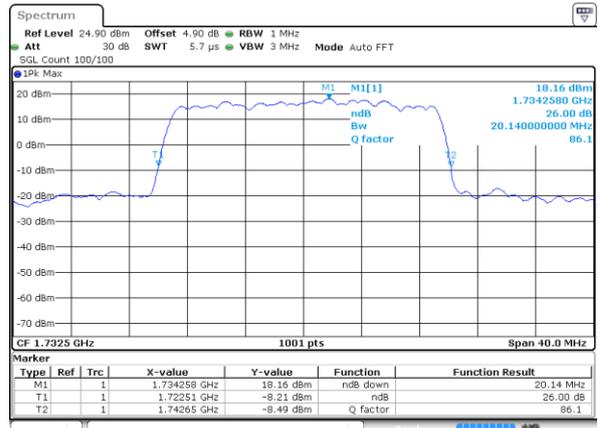
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Middle Channel / 15MHz / 64QAM



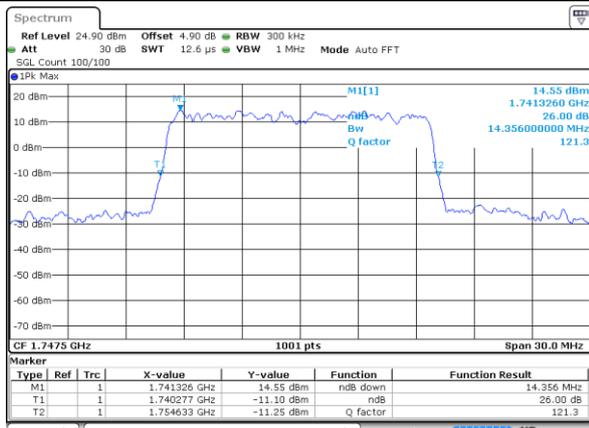
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Middle Channel / 20MHz / 64QAM



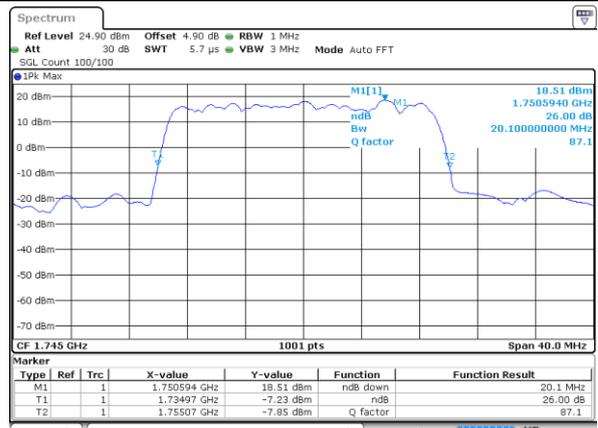
Date: 9 JUL 2018 22:20:23

Highest Channel / 15MHz / 64QAM



Date: 9 JUL 2018 22:19:44

Highest Channel / 20MHz / 64QAM

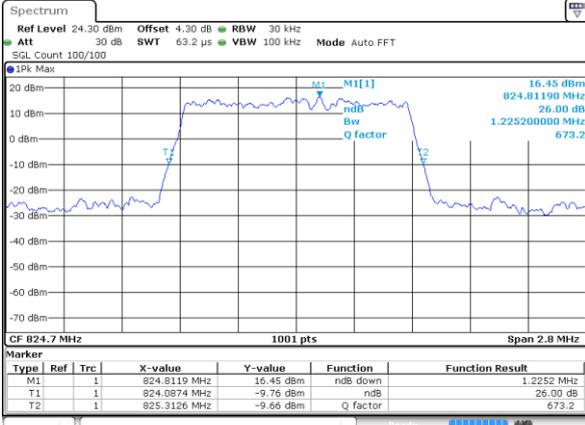


Date: 9 JUL 2018 22:20:43



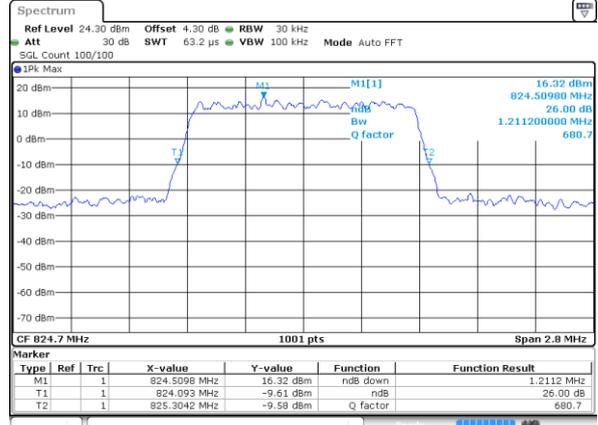
LTE Band 5

Lowest Channel / 1.4MHz / QPSK



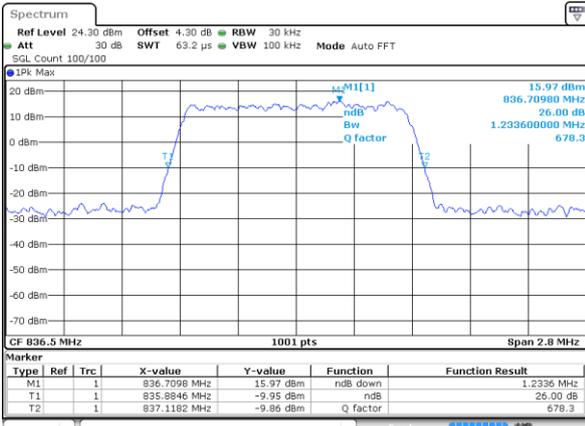
Date: 9 JUL 2018 15:41:57

Lowest Channel / 1.4MHz / 16QAM



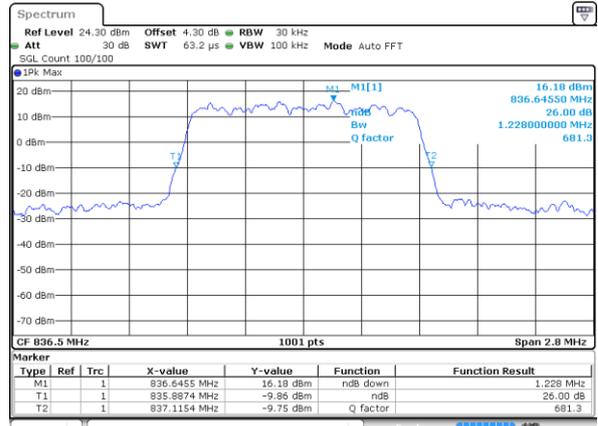
Date: 9 JUL 2018 15:41:47

Middle Channel / 1.4MHz / QPSK



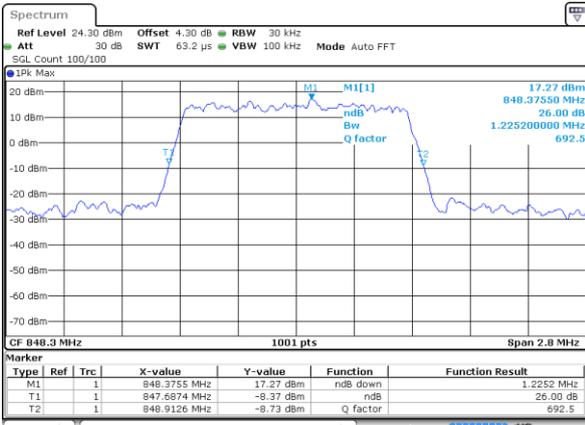
Date: 9 JUL 2018 15:50:45

Middle Channel / 1.4MHz / 16QAM



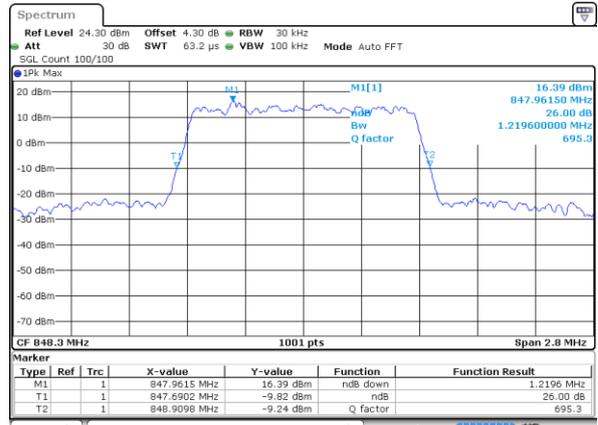
Date: 9 JUL 2018 15:50:54

Highest Channel / 1.4MHz / QPSK



Date: 9 JUL 2018 15:53:13

Highest Channel / 1.4MHz / 16QAM

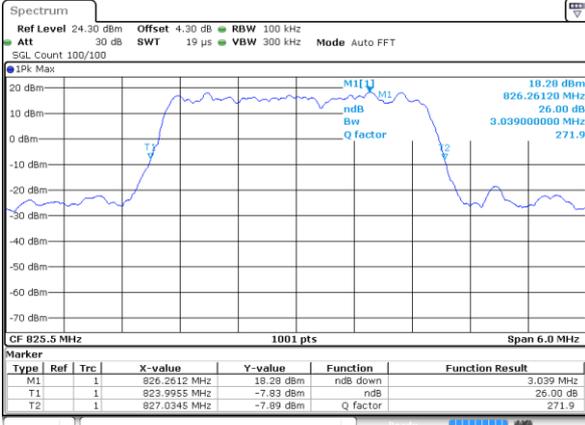


Date: 9 JUL 2018 15:53:23



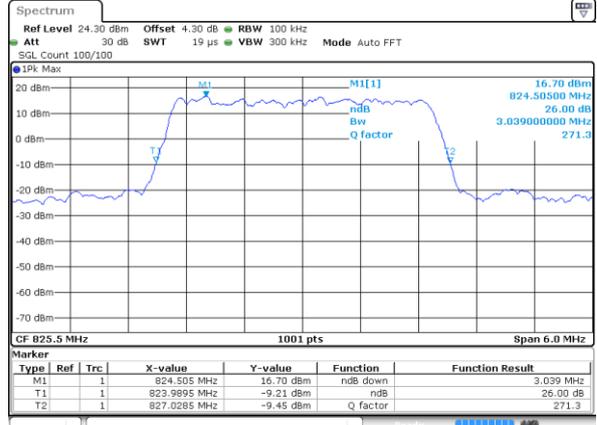
LTE Band 5

Lowest Channel / 3MHz / QPSK



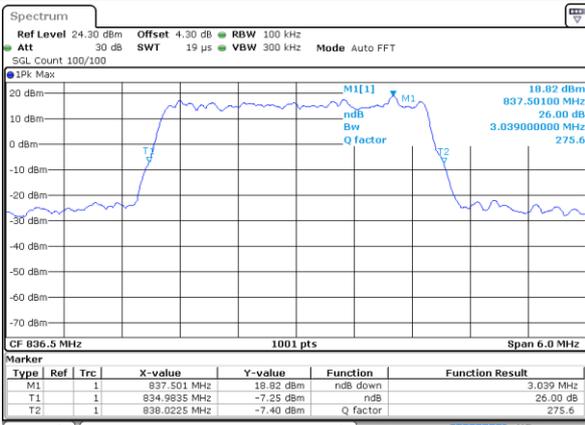
Date: 9 JUL 2018 16:02:10

Lowest Channel / 3MHz / 16QAM



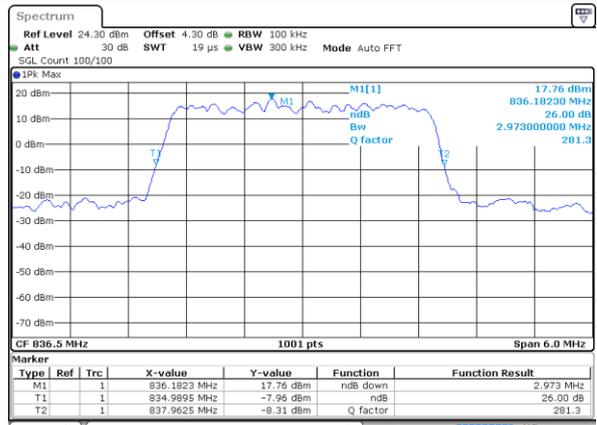
Date: 9 JUL 2018 16:02:20

Middle Channel / 3MHz / QPSK



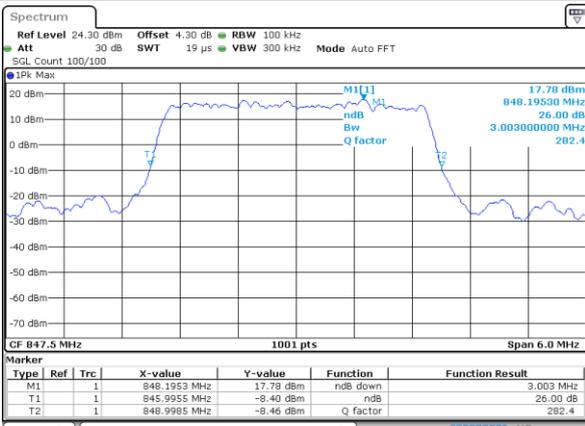
Date: 9 JUL 2018 16:11:08

Middle Channel / 3MHz / 16QAM



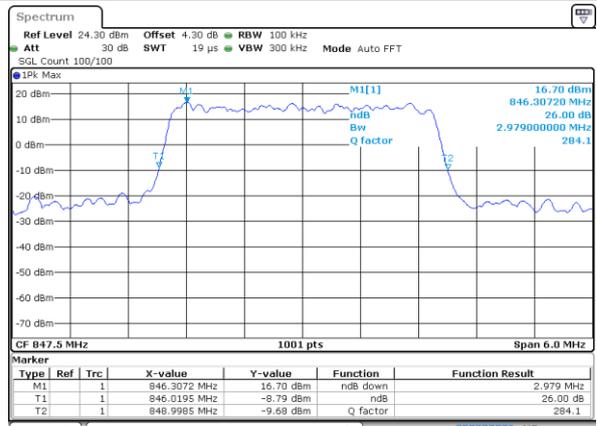
Date: 9 JUL 2018 16:11:18

Highest Channel / 3MHz / QPSK



Date: 9 JUL 2018 16:13:36

Highest Channel / 3MHz / 16QAM

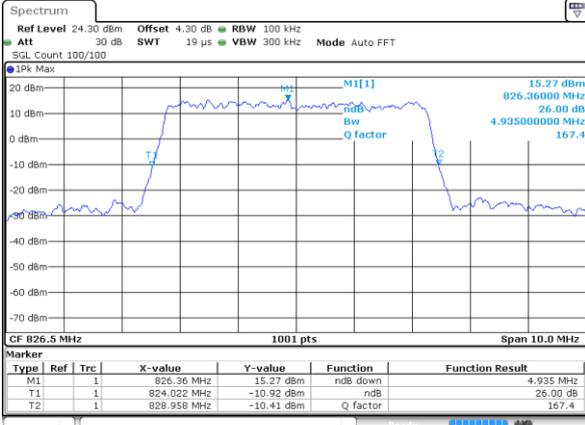


Date: 9 JUL 2018 16:13:46



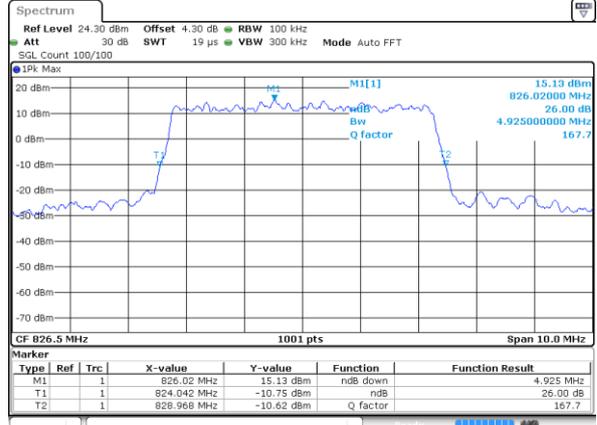
LTE Band 5

Lowest Channel / 5MHz / QPSK



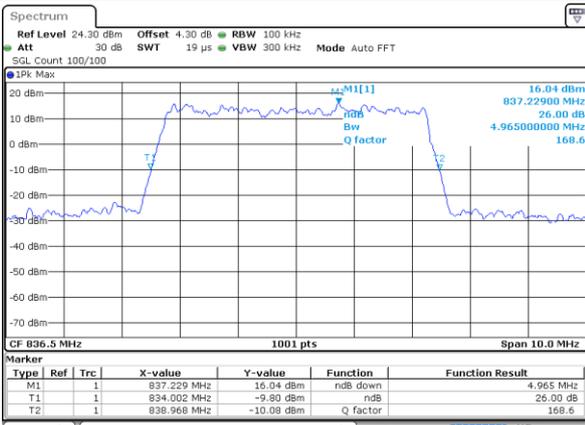
Date: 9 JUL 2018 16:22:34

Lowest Channel / 5MHz / 16QAM



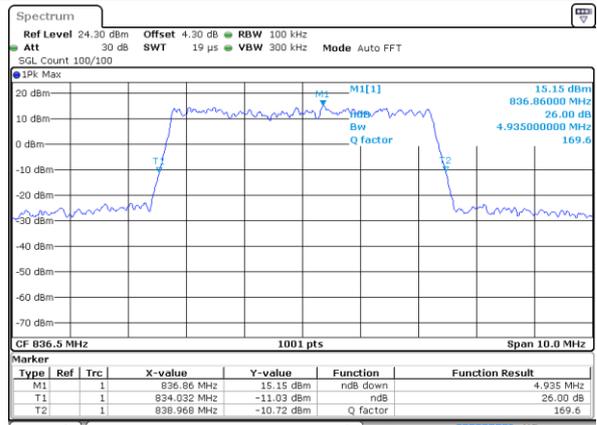
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Middle Channel / 5MHz / QPSK



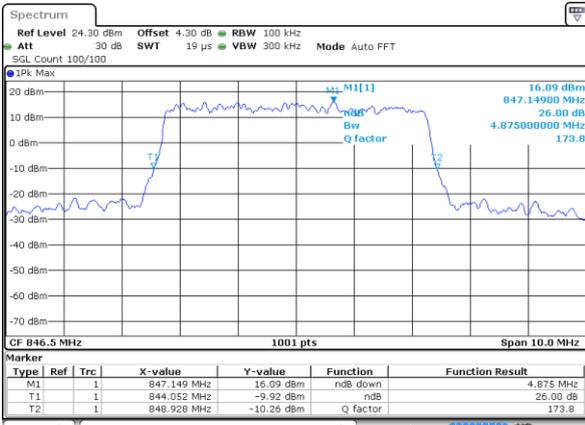
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Middle Channel / 5MHz / 16QAM



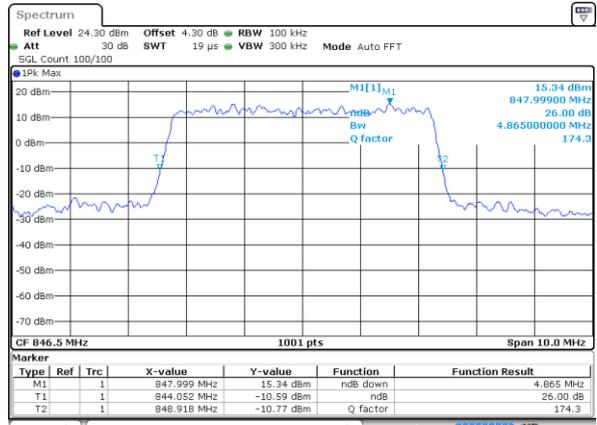
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Highest Channel / 5MHz / QPSK



Date: 9 JUL 2018 16:33:59

Highest Channel / 5MHz / 16QAM



Date: 9 JUL 2018 16:34:09