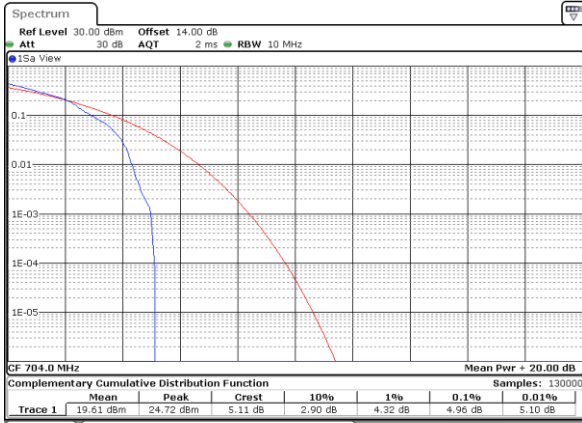


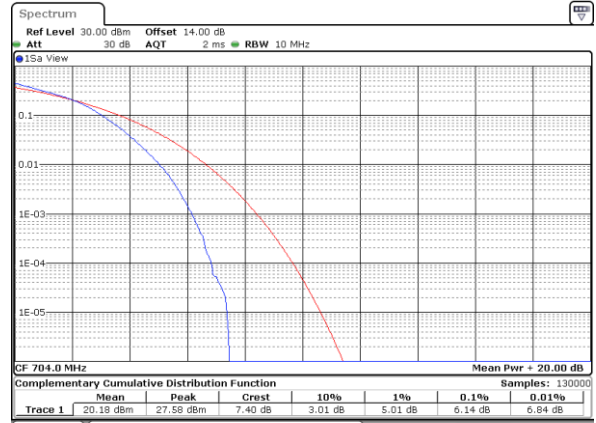


LTE Band 12 / 10MHz / 64QAM

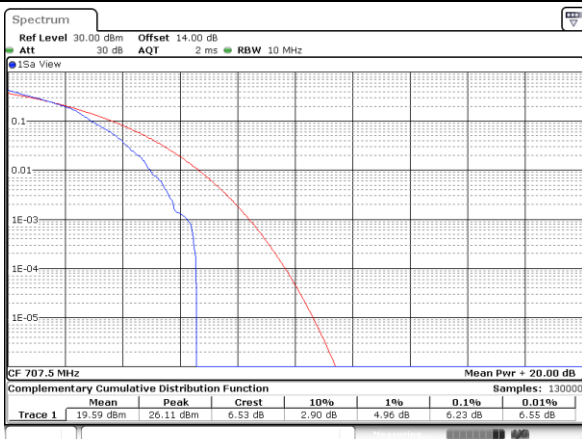
Lowest Channel / 1RB



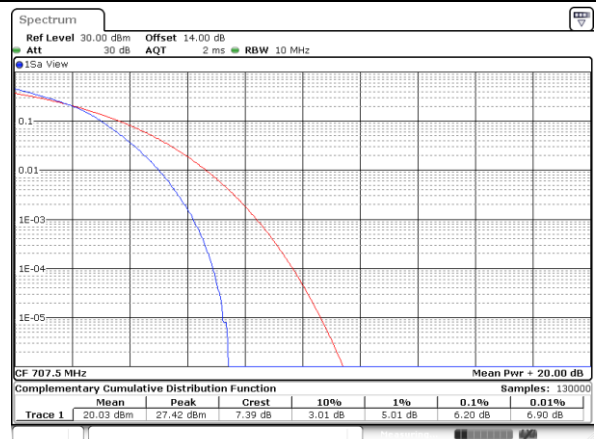
Lowest Channel / Full RB



Middle Channel / 1RB



Middle Channel / Full RB



Highest Channel / 1RB



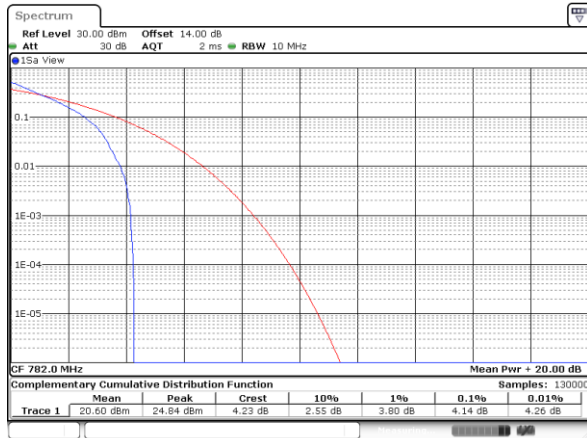
Highest Channel / Full RB



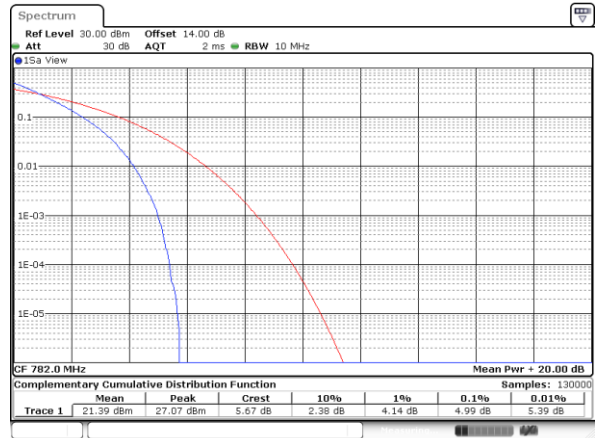


LTE Band 13 / 10MHz / QPSK

Middle Channel/ 1RB

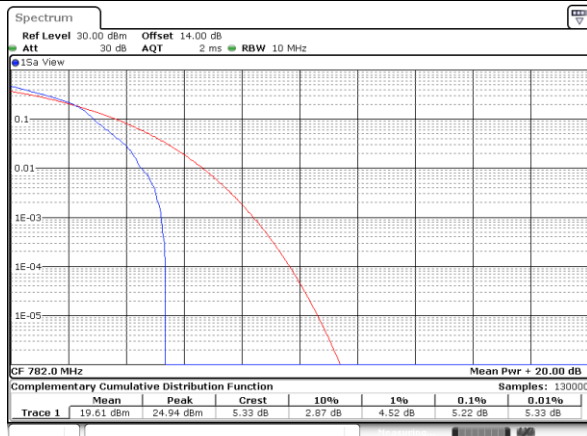


Middle Channel / Full RB

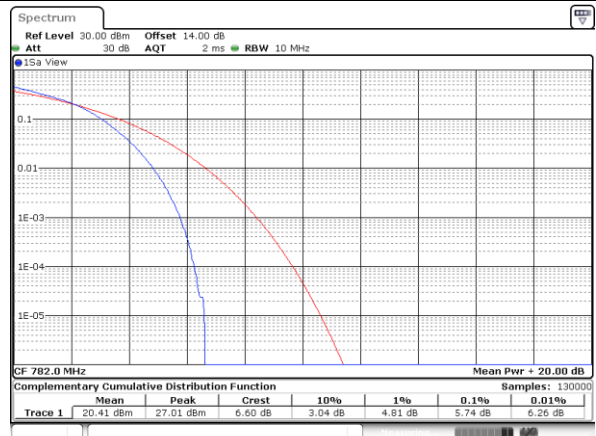


LTE Band 13 / 10MHz / 16QAM

Middle Channel/ 1RB

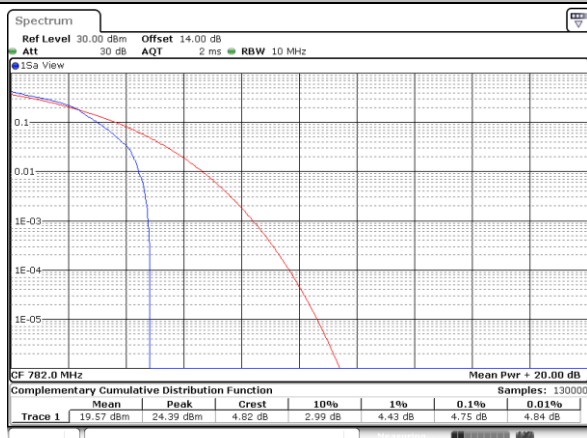


Middle Channel / Full RB

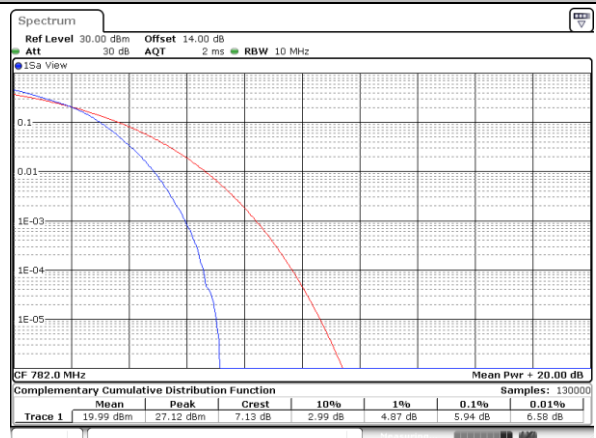


LTE Band 13 / 10MHz / 64QAM

Middle Channel / 1RB



Middle Channel / Full RB

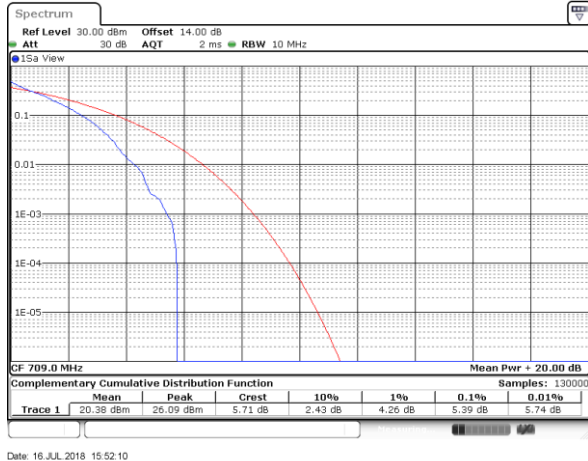


Date: 18_JUL_2018 21:06:23

Date: 18_JUL_2018 21:06:33

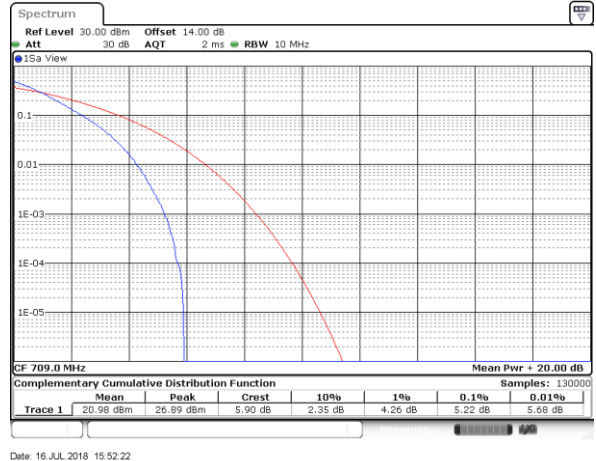
LTE Band 17 / 10MHz / QPSK

Lowest Channel / 1RB



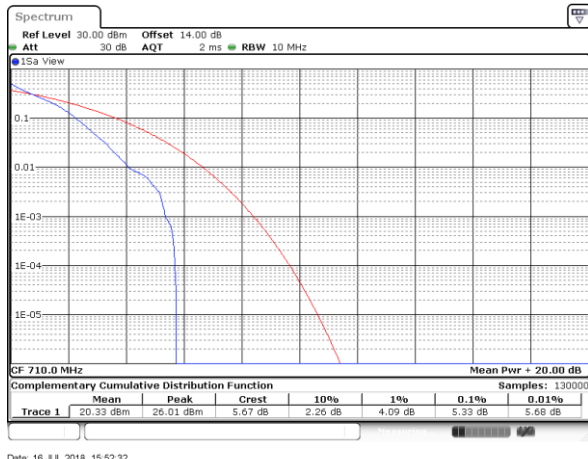
Date: 16 JUL 2018 15:52:10

Lowest Channel / Full RB



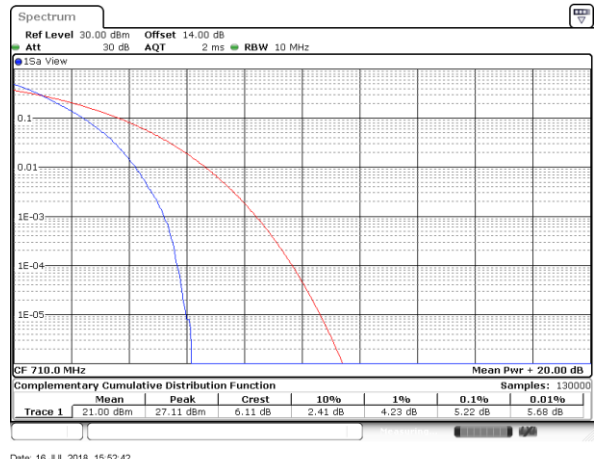
Date: 16 JUL 2018 15:52:22

Middle Channel/ 1RB



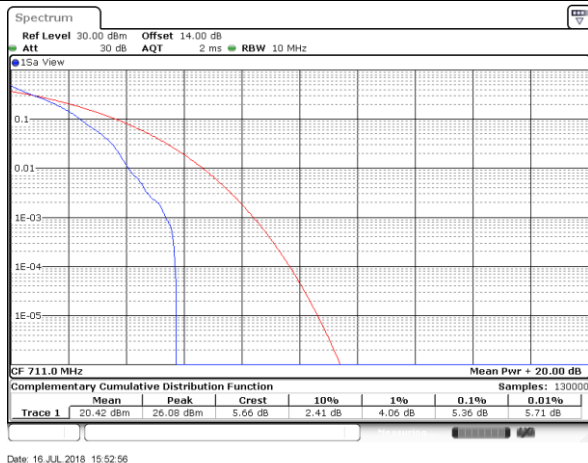
Date: 16 JUL 2018 15:52:32

Middle Channel / Full RB



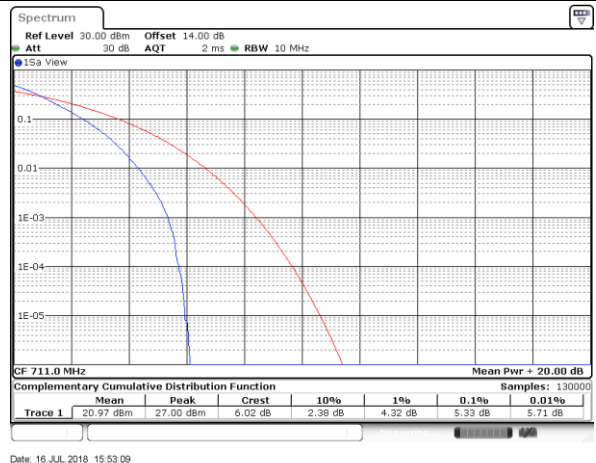
Date: 16 JUL 2018 15:52:42

Highest Channel/ 1RB

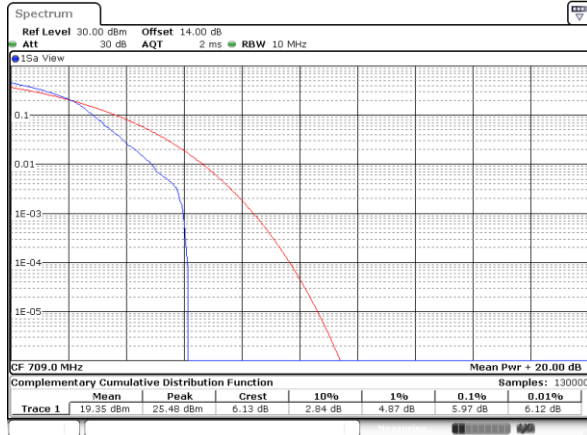
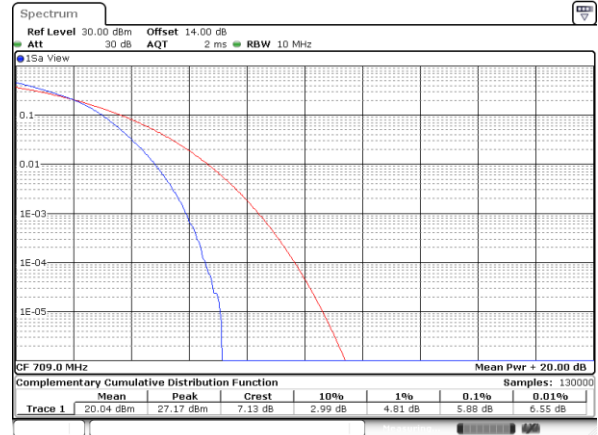
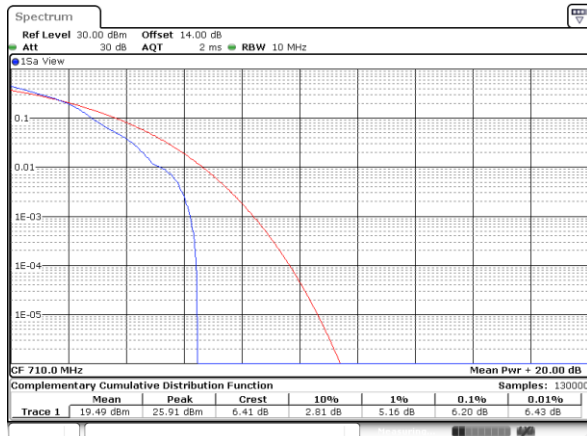
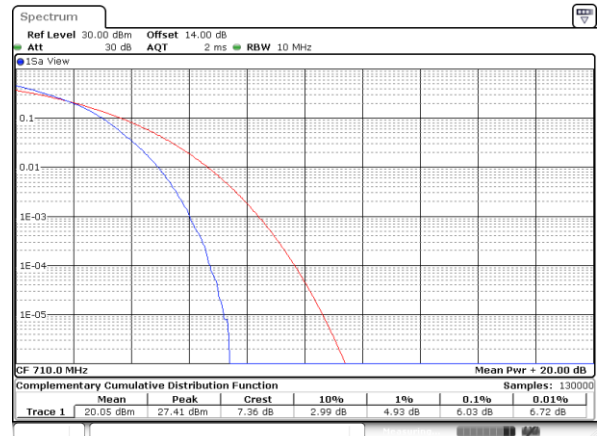
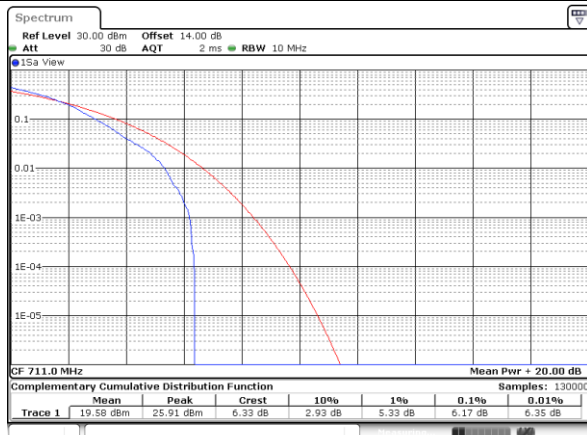
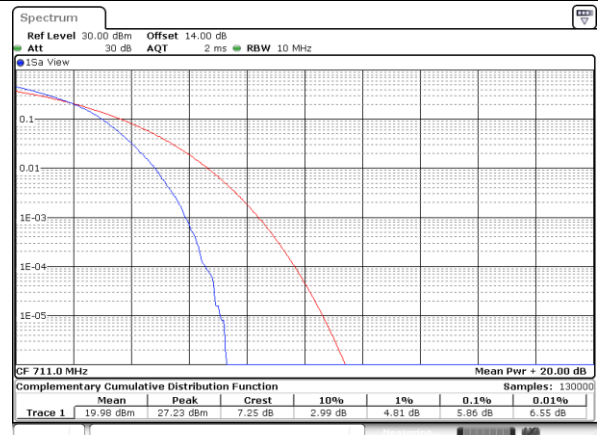


Date: 16 JUL 2018 15:52:56

Highest Channel / Full RB



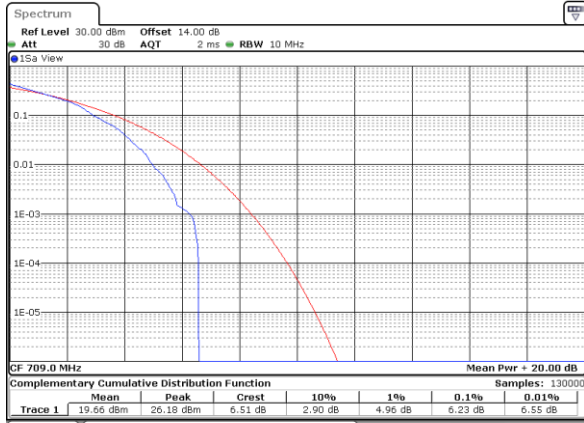
Date: 16 JUL 2018 15:53:09

LTE Band 17 / 10MHz / 16QAM
Lowest Channel / 1RB

Lowest Channel / Full RB

Middle Channel/ 1RB

Middle Channel / Full RB

Highest Channel/ 1RB

Highest Channel / Full RB


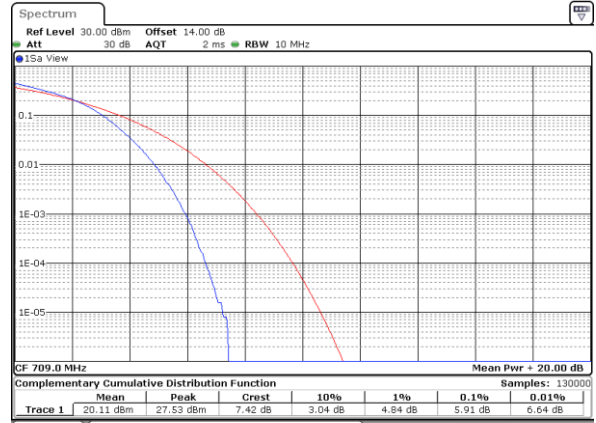


LTE Band 17 / 10MHz / 64QAM

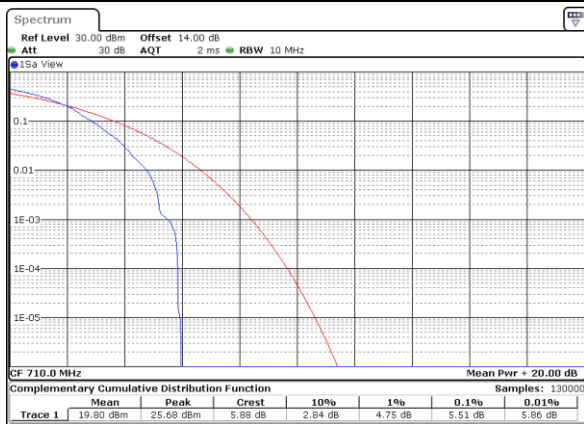
Lowest Channel / 1RB



Lowest Channel / Full RB



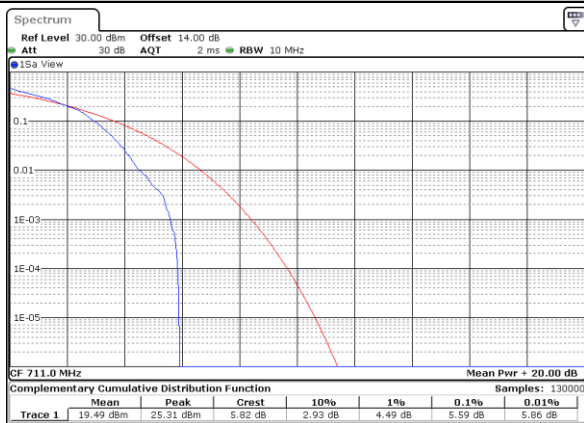
Middle Channel / 1RB



Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



**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	1.27	1.262	2.955	2.967	4.965	4.985	10.07	9.69	14.805	14.595	20.46	20.38
Middle CH	1.267	1.284	2.919	2.937	5.115	4.995	9.89	10.03	14.775	14.416	20.5	20.42
Highest CH	1.248	1.273	2.967	2.949	4.985	4.975	9.87	10.09	14.416	14.266	20.38	20.22
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.295		2.955		5.065		10.15		14.416		20.42	
Middle CH	1.278		2.925		5.015		9.83		14.745		20.38	
Highest CH	1.287		2.955		5.075		9.87		14.356		20.3	

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	1.273	1.298	2.919	2.925	5.005	5.145	9.87	9.95	14.775	14.176	20.26	20.26
Middle CH	1.25	1.301	2.949	2.961	5.015	4.985	10.05	9.69	14.865	14.476	20.18	20.22
Highest CH	1.284	1.256	2.955	2.931	5.045	5.045	9.67	9.75	14.685	14.715	20.42	20.659
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.278		2.943		4.995		10.03		14.416		20.22	
Middle CH	1.284		2.943		5.075		9.87		14.476		20.34	
Highest CH	1.278		2.967		5.115		10.03		14.416		20.26	

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	1.278	1.301	2.937	2.943	5.035	4.985	9.87	9.95	-	-	-	-
Middle CH	1.262	1.292	2.961	2.967	5.075	5.055	10.17	9.93	-	-	-	-
Highest CH	1.287	1.27	2.961	2.919	5.095	5.115	9.81	9.83	-	-	-	-
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.295		2.949		5.025		9.99		-		-	
Middle CH	1.292		2.973		5.055		9.69		-		-	
Highest CH	1.264		2.955		5.025		10.01		-		-	



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	-	-	-	-	5.005	4.995	10.43	9.75	14.625	14.805	20.3	20.26
Middle CH	-	-	-	-	4.885	5.065	10.05	9.81	14.446	14.356	20.42	20.26
Highest CH	-	-	-	-	5.105	5.115	9.95	9.67	14.535	14.595	20.38	20.42
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-		-		4.965		9.87		14.416		20.38	
Middle CH	-		-		4.865		10.31		14.446		20.38	
Highest CH	-		-		5.115		10.07		14.266		20.22	

Mode	LTE Band 12 : 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	1.273	1.287	2.943	2.961	5.115	5.055	9.61	10.03	-	-	-	-
Middle CH	1.298	1.234	2.925	2.961	5.015	5.015	9.95	9.93	-	-	-	-
Highest CH	1.222	1.301	2.943	2.931	5.055	5.015	10.03	9.63	-	-	-	-
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.25		2.913		5.115		10.19		-		-	
Middle CH	1.273		2.961		5.045		9.75		-		-	
Highest CH	1.281		2.967		5.035		9.79		-		-	

Mode	LTE Band 13 : 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	-	-	-	-	4.965	5.095	-	-	-	-	-	-
Middle CH	-	-	-	-	4.845	5.135	10.07	10.09	-	-	-	-
Highest CH	-	-	-	-	4.985	4.985	-	-	-	-	-	-
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-		-		4.965		-		-		-	
Middle CH	-		-		5.005		9.95		-		-	
Highest CH	-		-		5.015		-		-		-	

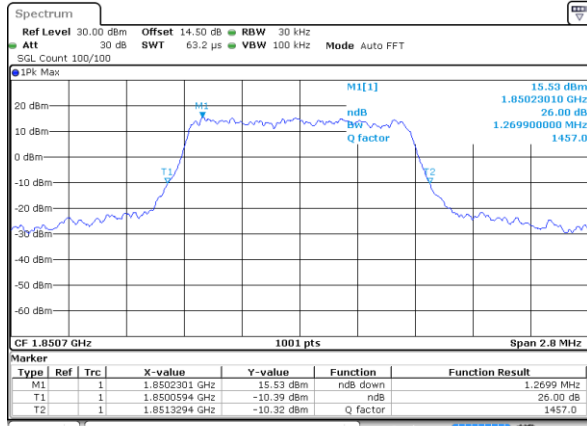


Mode	LTE Band 17 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.995	4.945	10.05	9.95	-	-	-	-
Middle CH	-	-	-	-	4.985	5.025	9.75	9.89	-	-	-	-
Highest CH	-	-	-	-	5.365	4.815	9.91	9.85	-	-	-	-
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-		-		5.015		9.71		-		-	
Middle CH	-		-		5.065		9.73		-		-	
Highest CH	-		-		5.005		9.91		-		-	



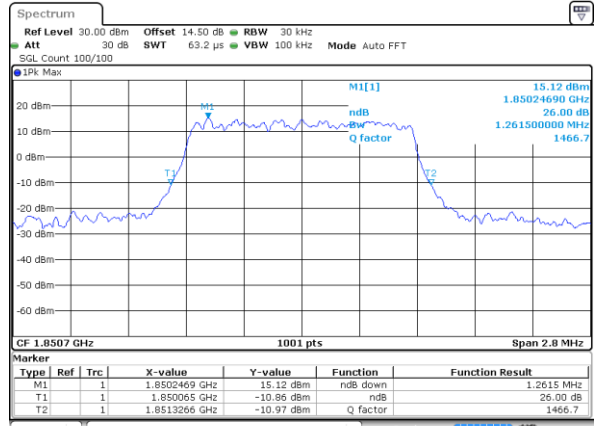
LTE Band 2

Lowest Channel / 1.4MHz / QPSK



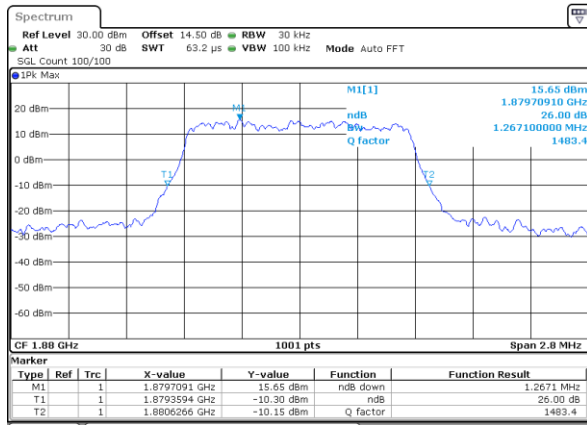
Date: 13 JUL 2018 10:11:54

Lowest Channel / 1.4MHz / 16QAM



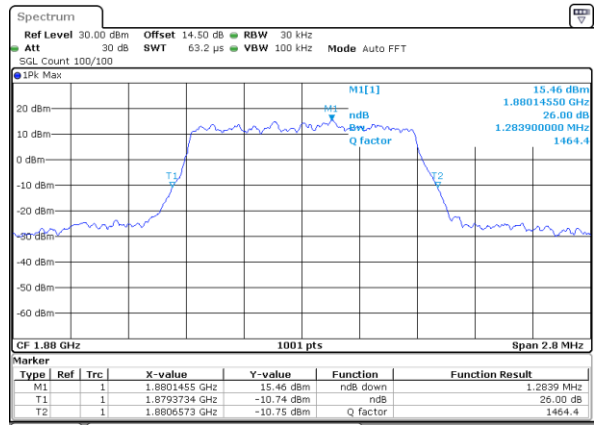
Date: 13 JUL 2018 10:12:04

Middle Channel / 1.4MHz / QPSK



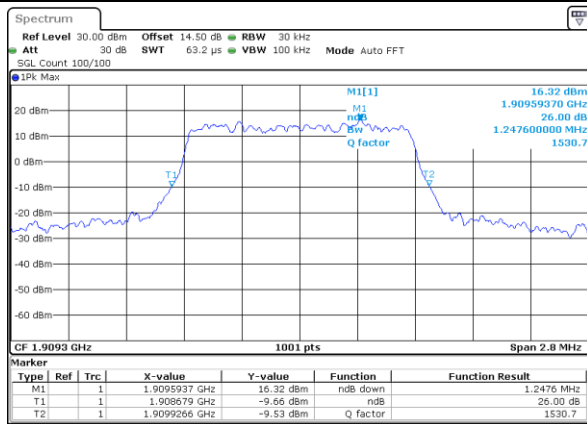
Date: 13 JUL 2018 10:18:52

Middle Channel / 1.4MHz / 16QAM



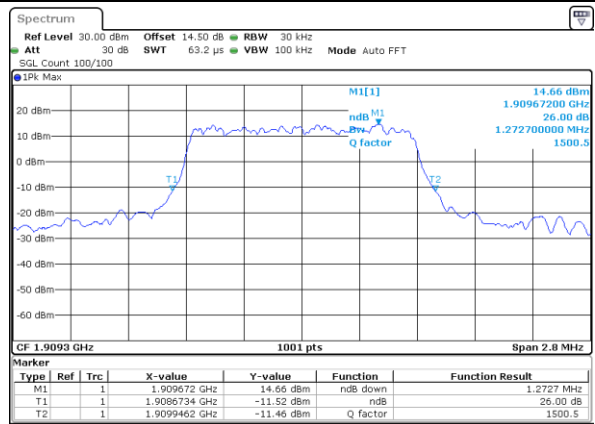
Date: 13 JUL 2018 10:19:01

Highest Channel / 1.4MHz / QPSK



Date: 13 JUL 2018 10:21:17

Highest Channel / 1.4MHz / 16QAM

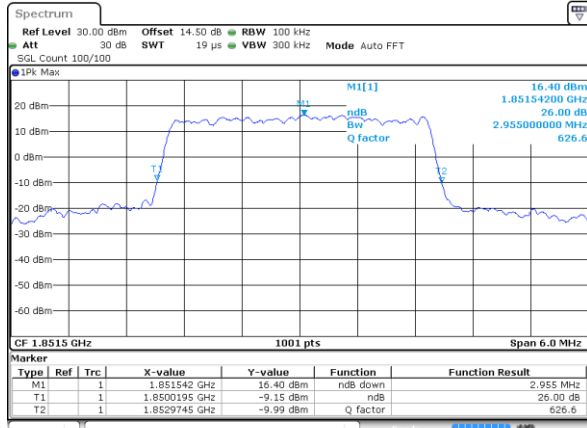


Date: 13 JUL 2018 10:21:27



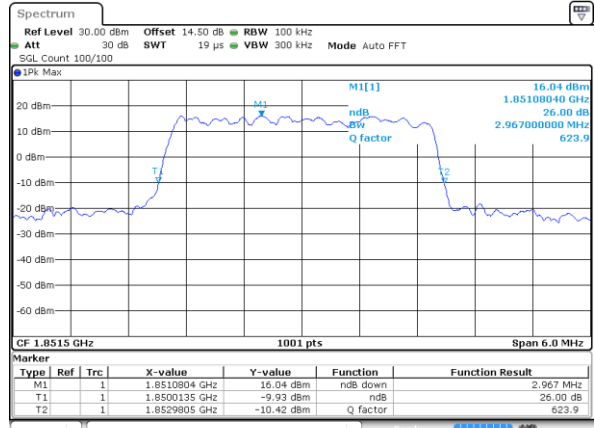
LTE Band 2

Lowest Channel / 3MHz / QPSK



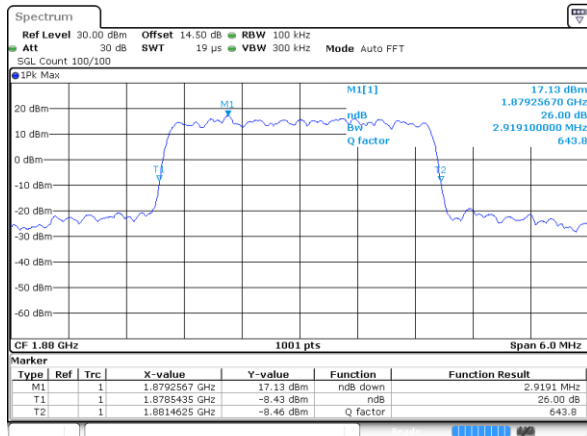
Date: 13 JUL 2018 10:28:15

Lowest Channel / 3MHz / 16QAM



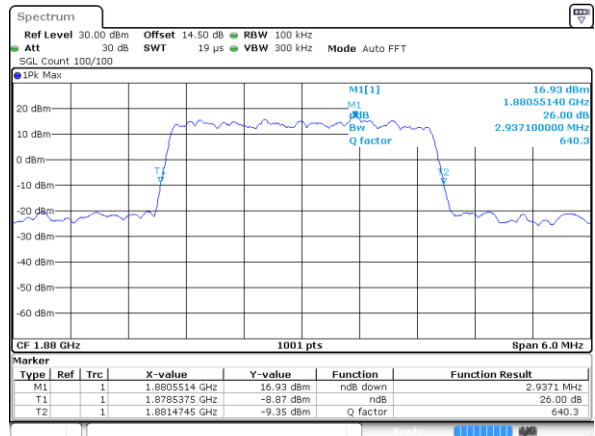
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Middle Channel / 3MHz / QPSK



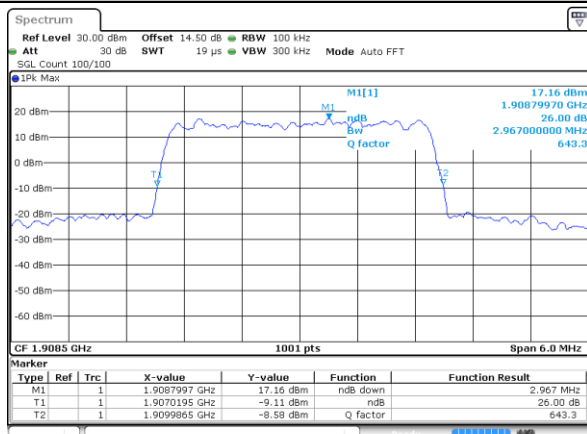
Date: 13 JUL 2018 10:35:12

Middle Channel / 3MHz / 16QAM



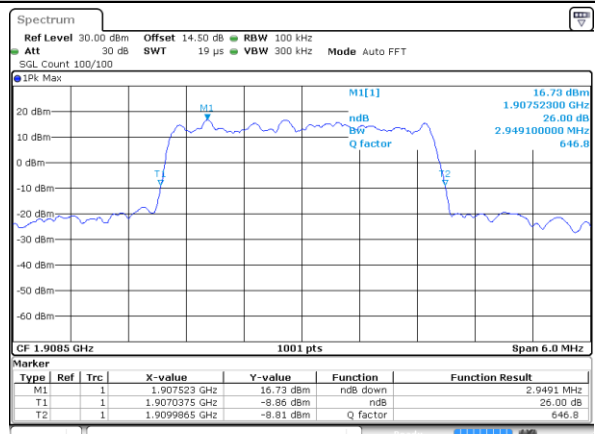
Date: 13 JUL 2018 10:35:22

Highest Channel / 3MHz / QPSK



Date: 13 JUL 2018 10:37:38

Highest Channel / 3MHz / 16QAM

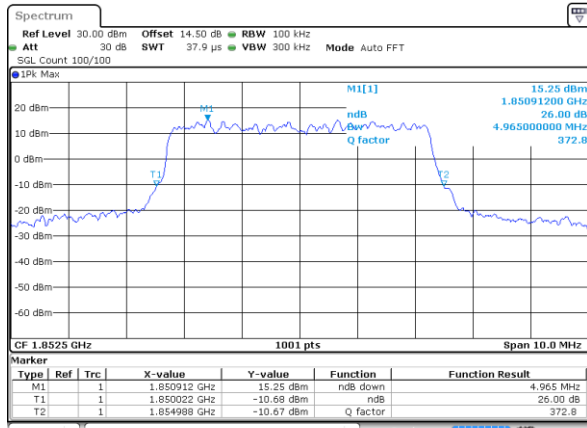


Date: 13 JUL 2018 10:37:48



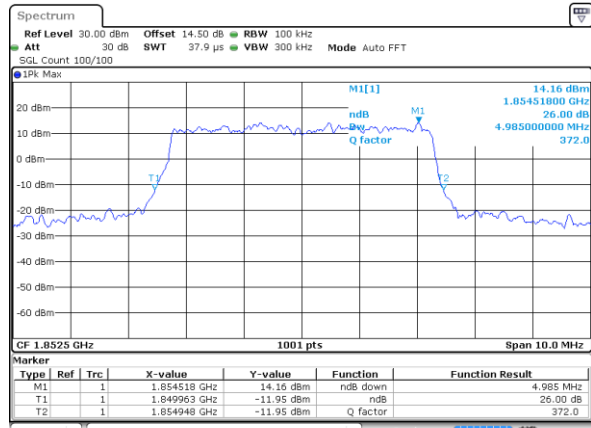
LTE Band 2

Lowest Channel / 5MHz / QPSK



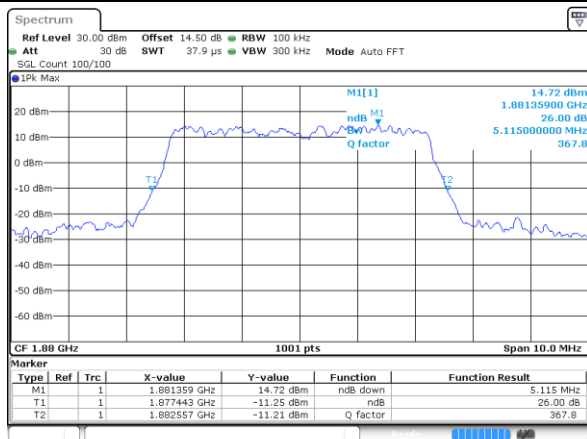
Date: 13 JUL 2018 10:44:36

Lowest Channel / 5MHz / 16QAM



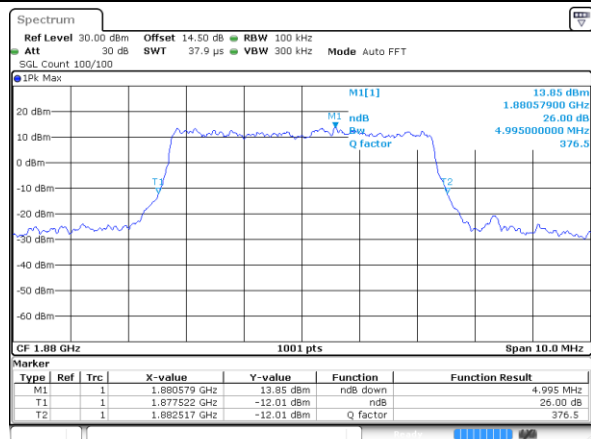
Date: 13 JUL 2018 10:44:45

Middle Channel / 5MHz / QPSK



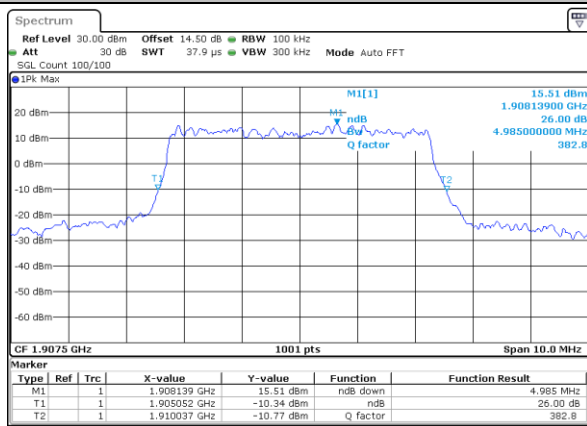
Date: 13 JUL 2018 10:51:33

Middle Channel / 5MHz / 16QAM



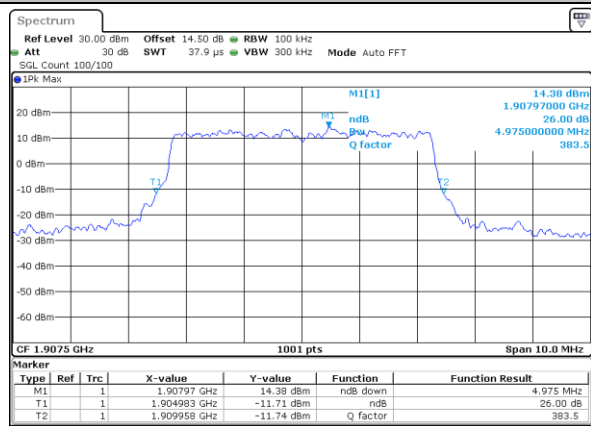
Date: 13 JUL 2018 10:51:43

Highest Channel / 5MHz / QPSK



Date: 13 JUL 2018 10:53:59

Highest Channel / 5MHz / 16QAM

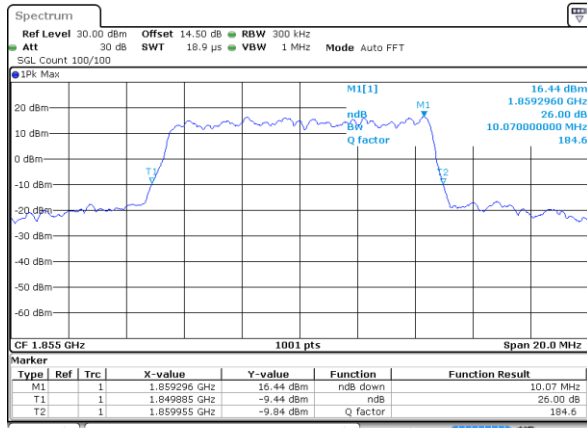


Date: 13 JUL 2018 10:54:09



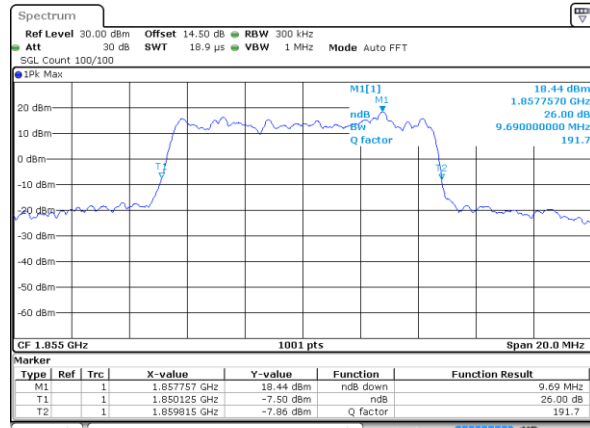
LTE Band 2

Lowest Channel / 10MHz / QPSK



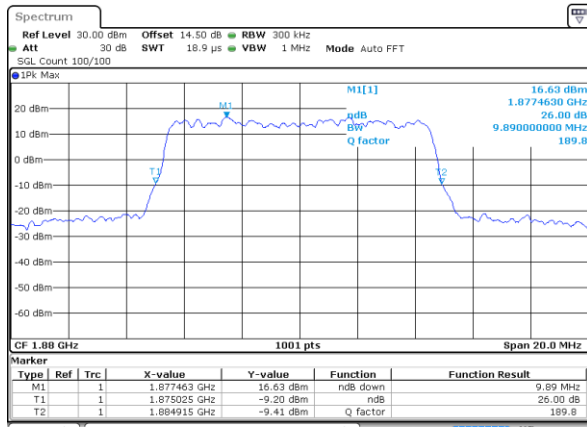
Date: 13 JUL 2018 11:00:56

Lowest Channel / 10MHz / 16QAM



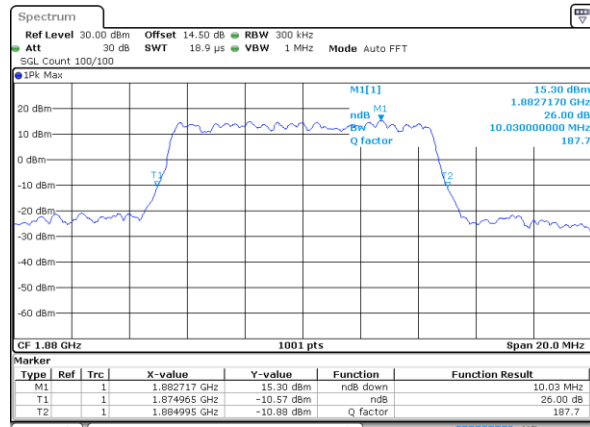
Date: 13 JUL 2018 11:01:06

Middle Channel / 10MHz / QPSK



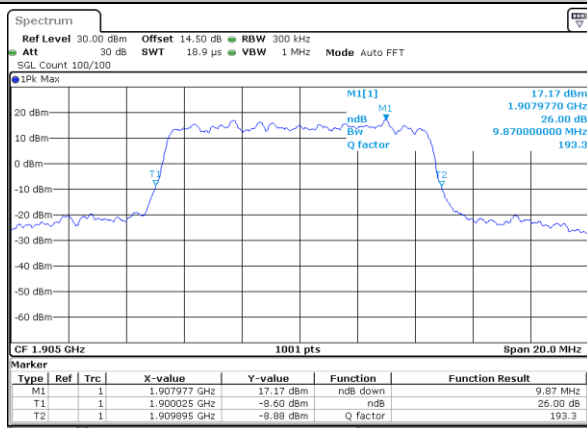
Date: 13 JUL 2018 11:25:47

Middle Channel / 10MHz / 16QAM



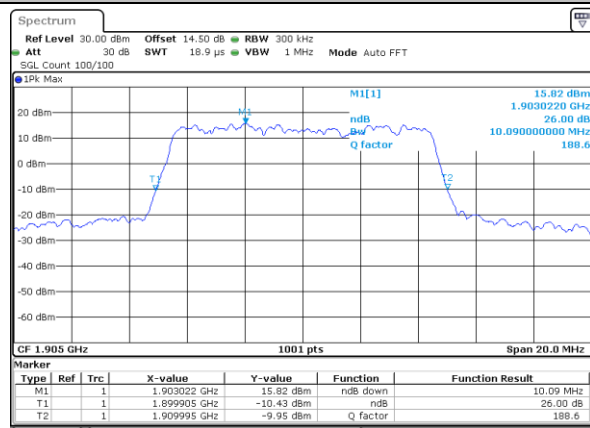
Date: 13 JUL 2018 11:25:57

Highest Channel / 10MHz / QPSK



Date: 13 JUL 2018 11:28:13

Highest Channel / 10MHz / 16QAM

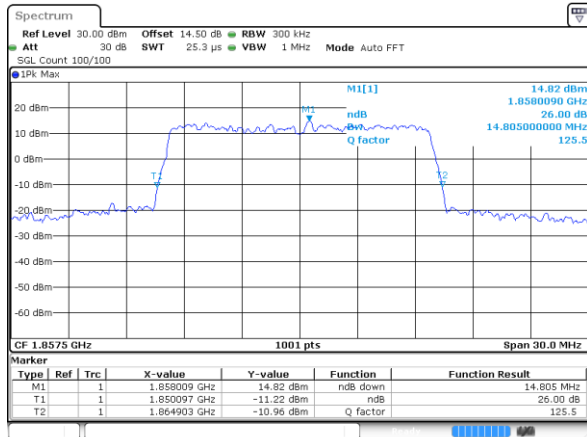


Date: 13 JUL 2018 11:28:23

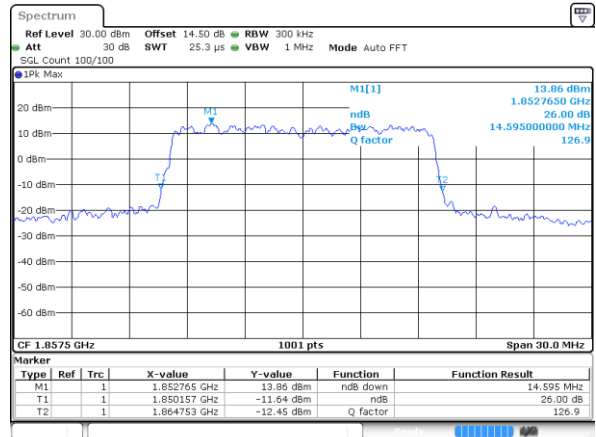


LTE Band 2

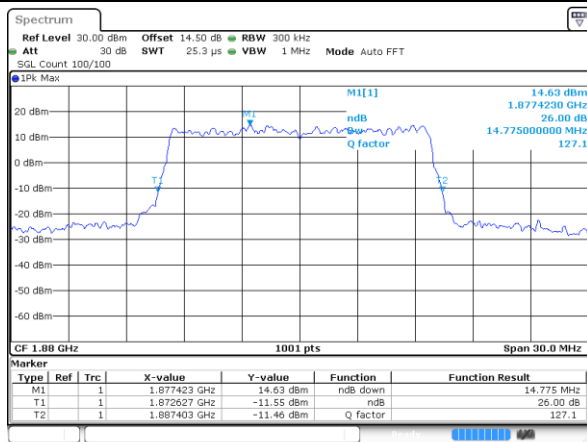
Lowest Channel / 15MHz / QPSK



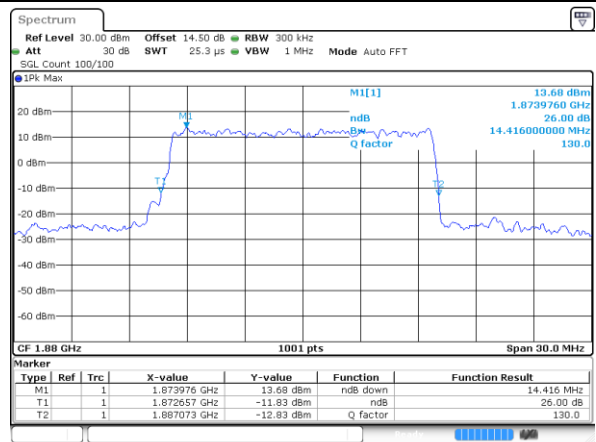
Lowest Channel / 15MHz / 16QAM



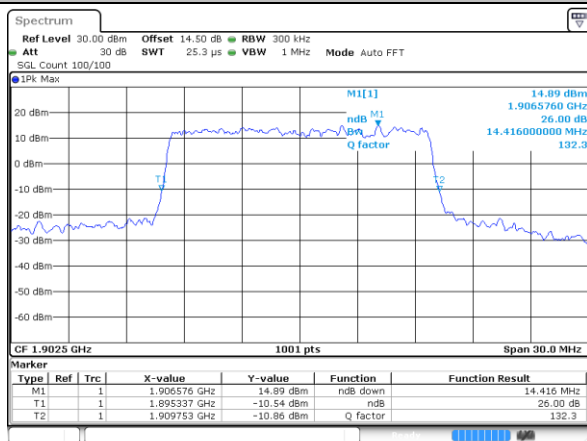
Middle Channel / 15MHz / QPSK



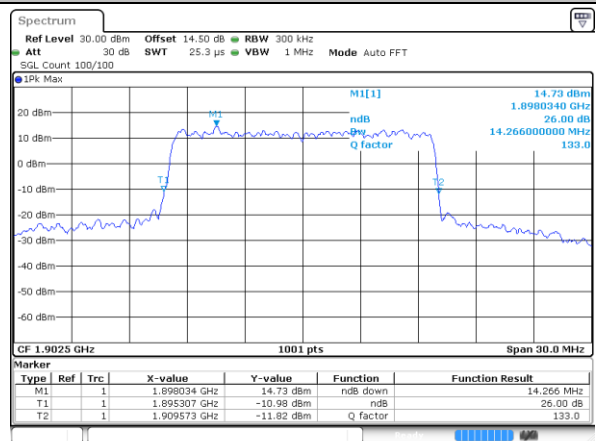
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



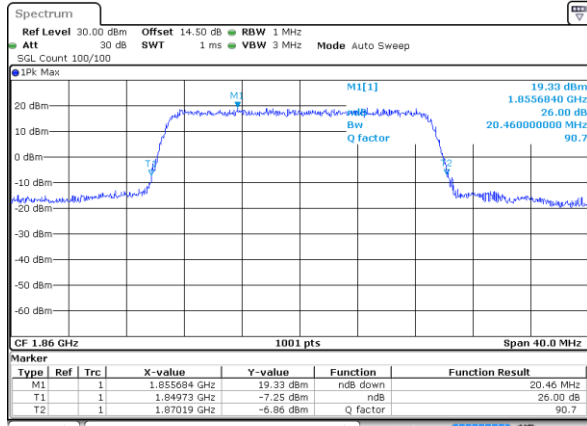
Highest Channel / 15MHz / 16QAM





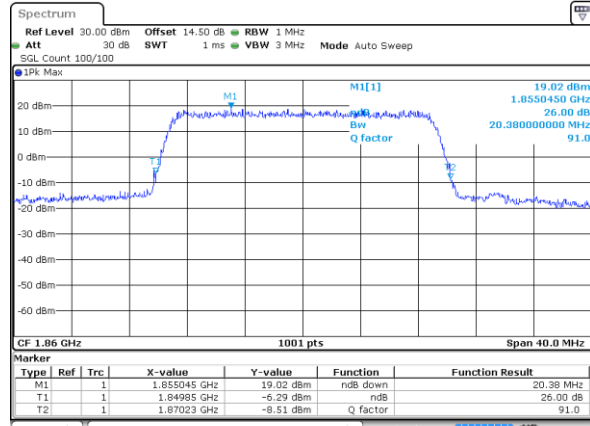
LTE Band 2

Lowest Channel / 20MHz / QPSK



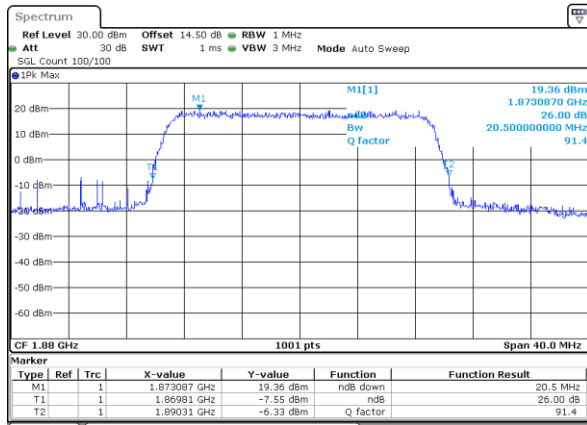
Date: 13 JUL 2018 13:45:06

Lowest Channel / 20MHz / 16QAM



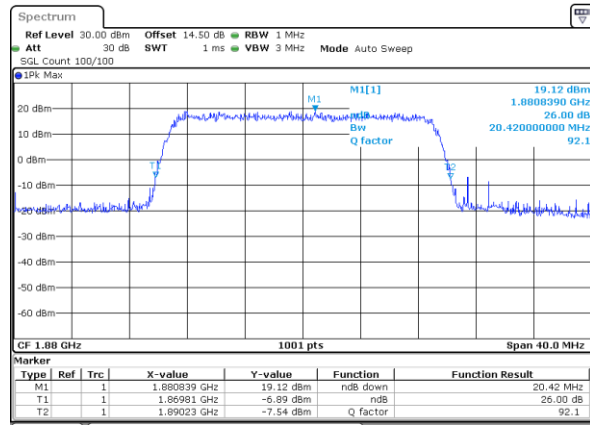
Date: 13 JUL 2018 13:45:16

Middle Channel / 20MHz / QPSK



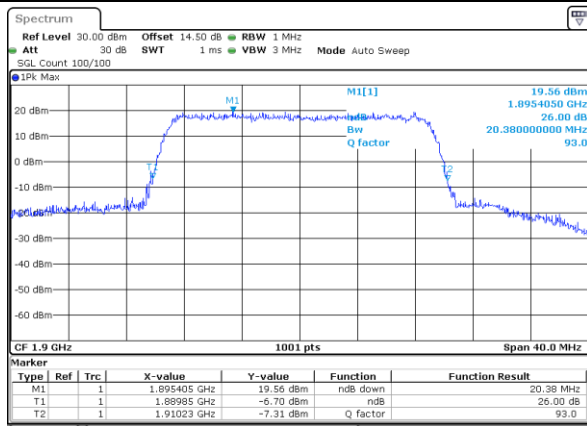
Date: 13 JUL 2018 13:52:03

Middle Channel / 20MHz / 16QAM



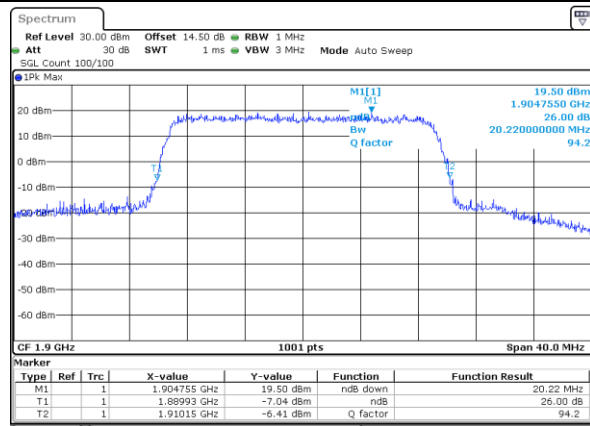
Date: 13 JUL 2018 13:52:13

Highest Channel / 20MHz / QPSK



Date: 13 JUL 2018 13:54:29

Highest Channel / 20MHz / 16QAM

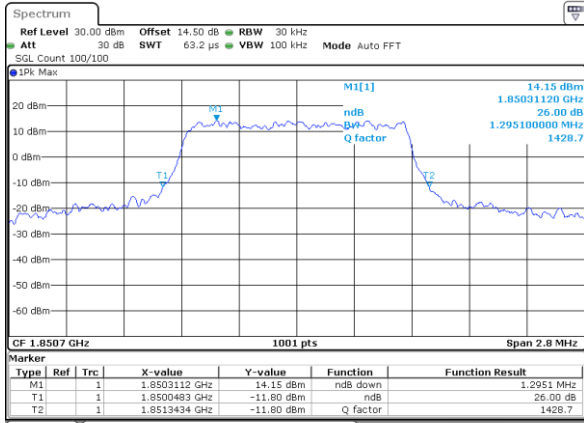


Date: 13 JUL 2018 13:54:39



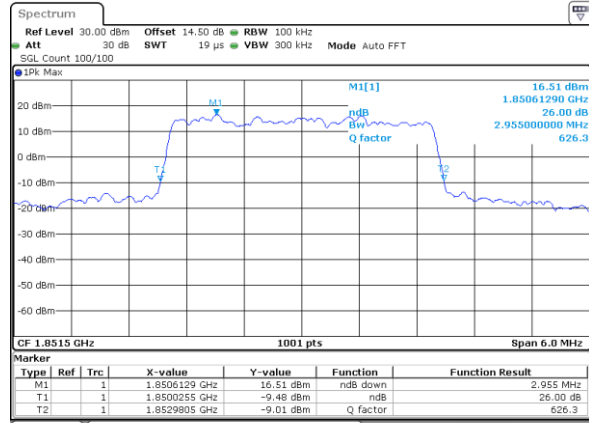
LTE Band 2

Lowest Channel / 1.4MHz / 64QAM



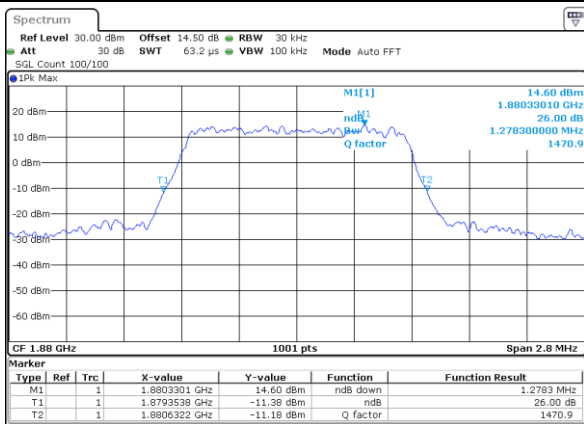
Date: 18 JUL 2018 14:13:53

Lowest Channel / 3MHz / 64QAM



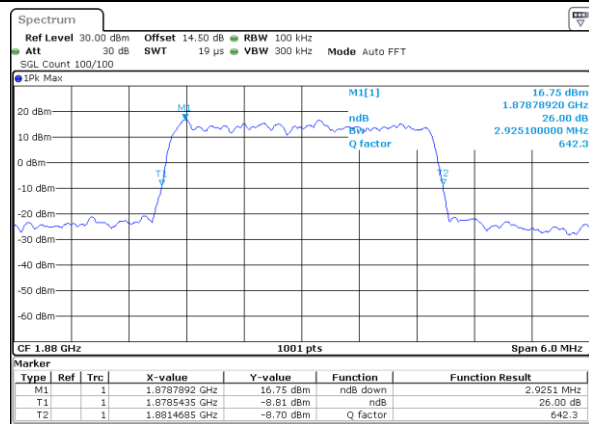
Date: 18 JUL 2018 14:22:04

Middle Channel / 1.4MHz / 64QAM



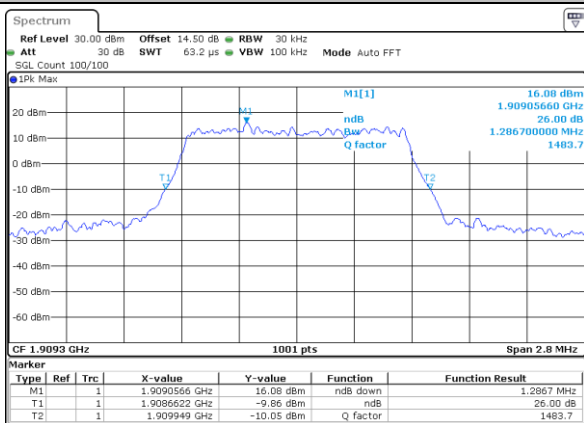
Date: 18 JUL 2018 14:17:22

Middle Channel / 3MHz / 64QAM



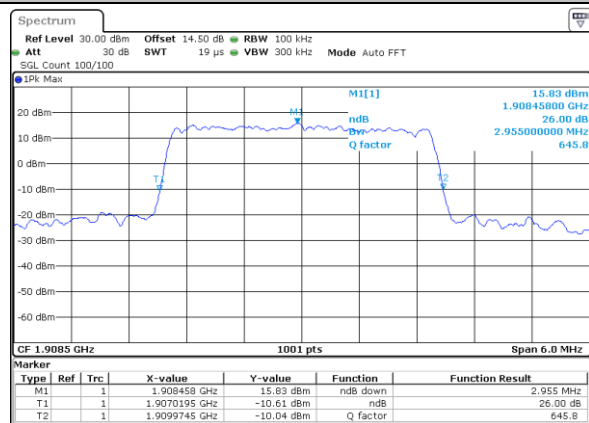
Date: 18 JUL 2018 14:25:32

Highest Channel / 1.4MHz / 64QAM



Date: 18 JUL 2018 14:18:35

Highest Channel / 3MHz / 64QAM

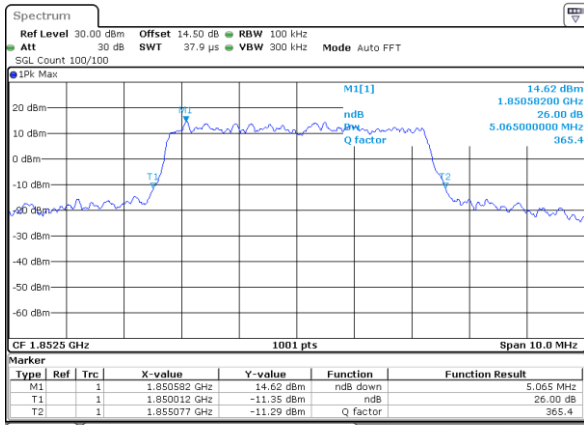


Date: 18 JUL 2018 14:26:45



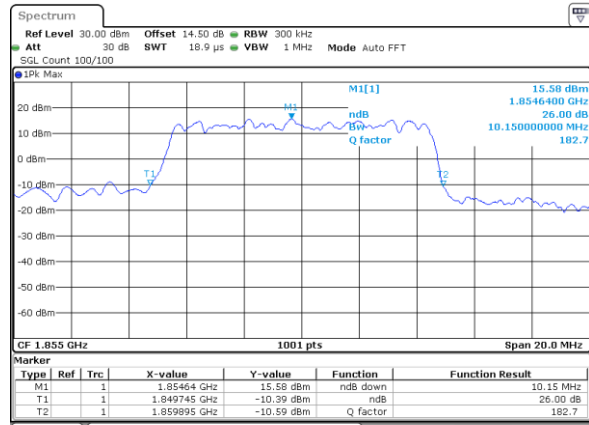
LTE Band 2

Lowest Channel / 5MHz / 64QAM



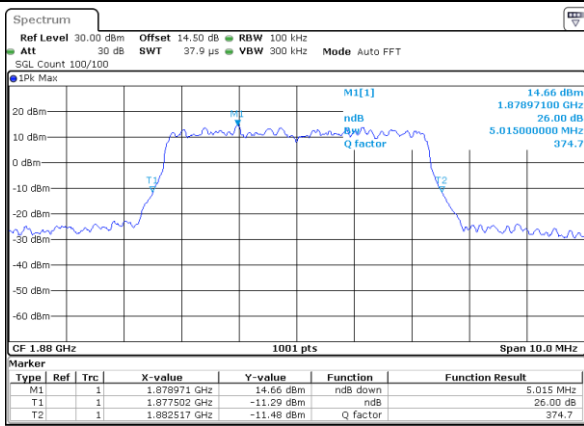
Date: 18 JUL 2018 14:30:14

Lowest Channel / 10MHz / 64QAM



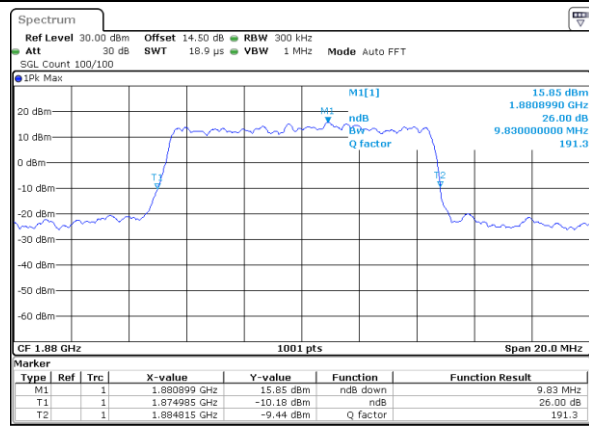
Date: 18 JUL 2018 14:38:24

Middle Channel / 5MHz / 64QAM



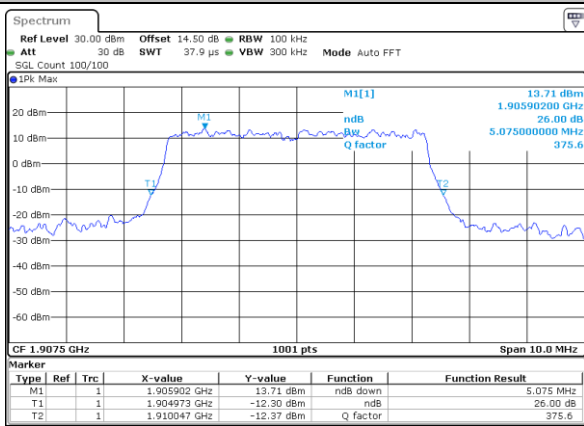
Date: 18 JUL 2018 14:33:43

Middle Channel / 10MHz / 64QAM



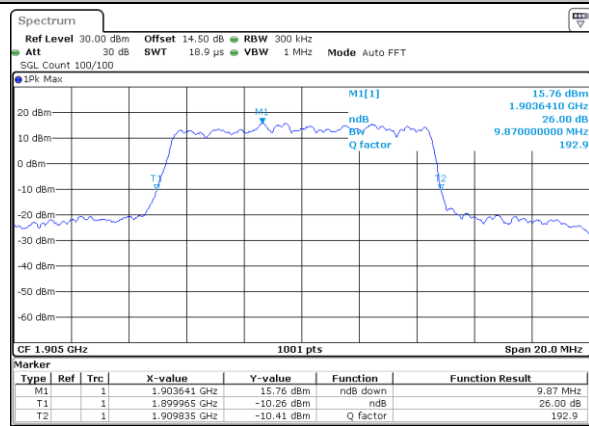
Date: 18 JUL 2018 14:41:53

Highest Channel / 5MHz / 64QAM



Date: 18 JUL 2018 14:34:55

Highest Channel / 10MHz / 64QAM

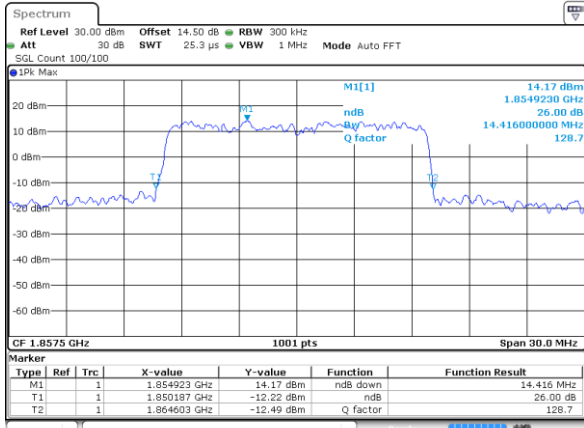


Date: 18 JUL 2018 14:43:06

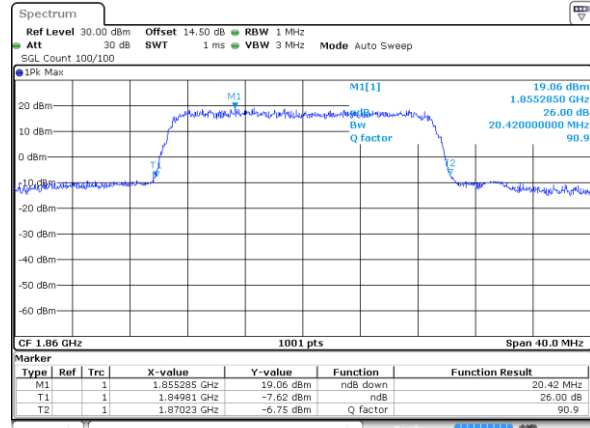


LTE Band 2

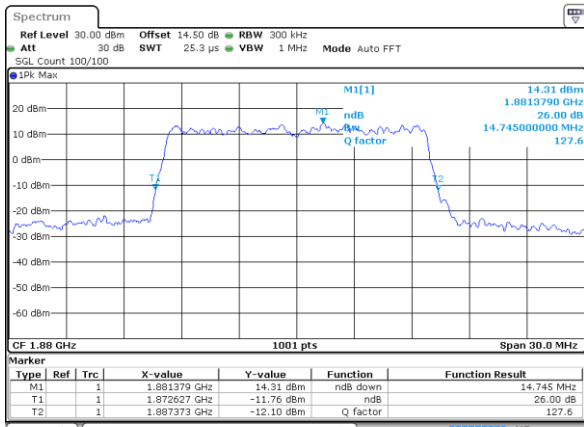
Lowest Channel / 15MHz / 64QAM



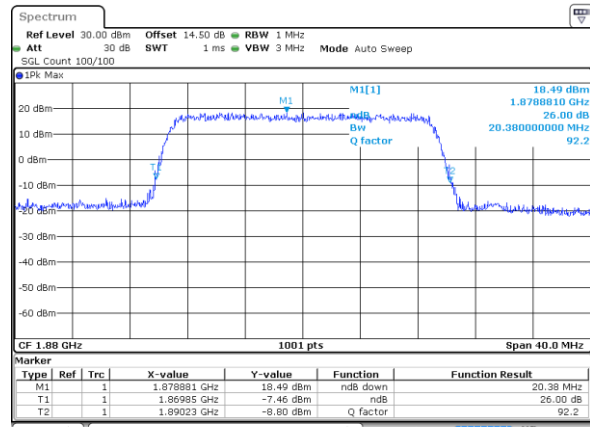
Lowest Channel / 20MHz / 64QAM



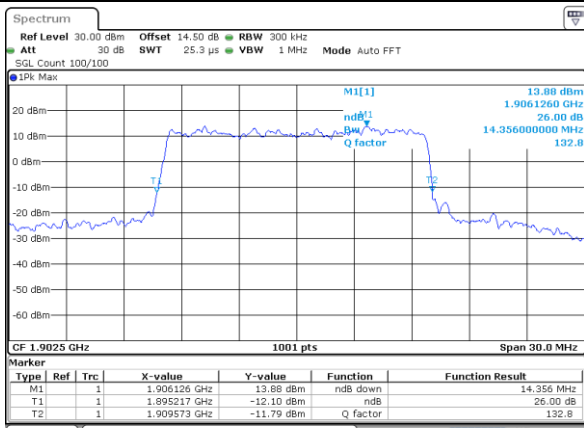
Middle Channel / 15MHz / 64QAM



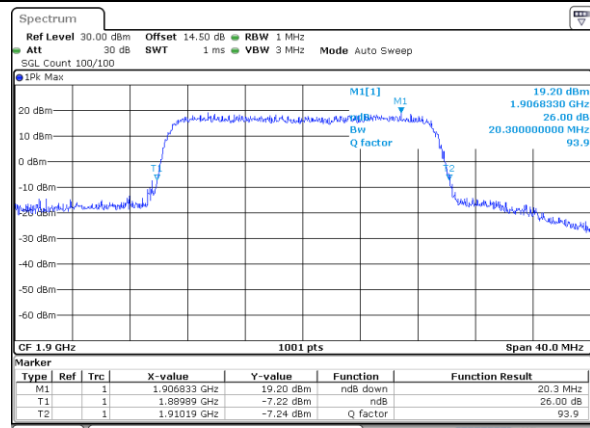
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



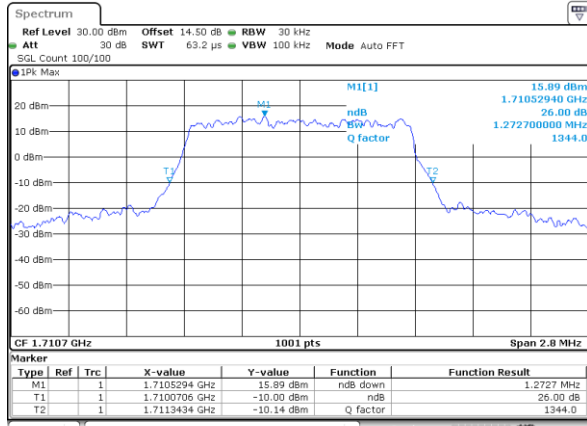
Highest Channel / 20MHz / 64QAM





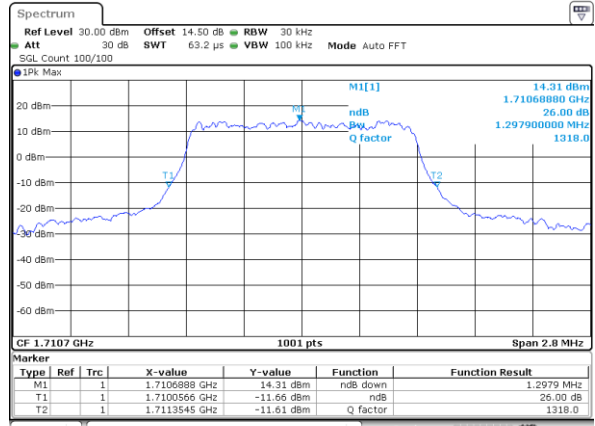
LTE Band 4

Lowest Channel / 1.4MHz / QPSK



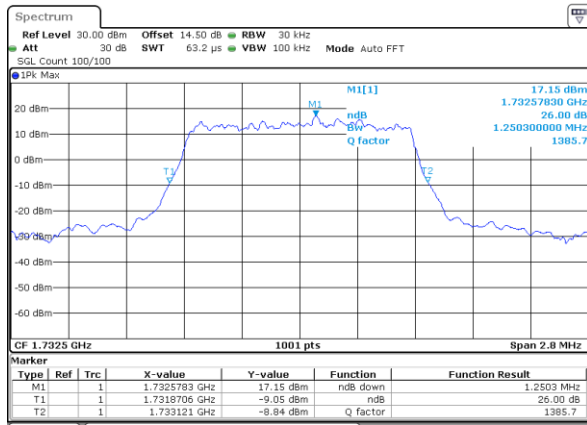
Date: 12.JUL.2018 11:46:40

Lowest Channel / 1.4MHz / 16QAM



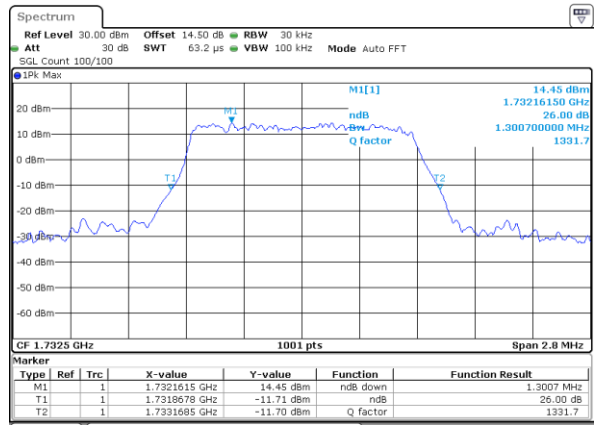
Date: 12.JUL.2018 11:46:50

Middle Channel / 1.4MHz / QPSK



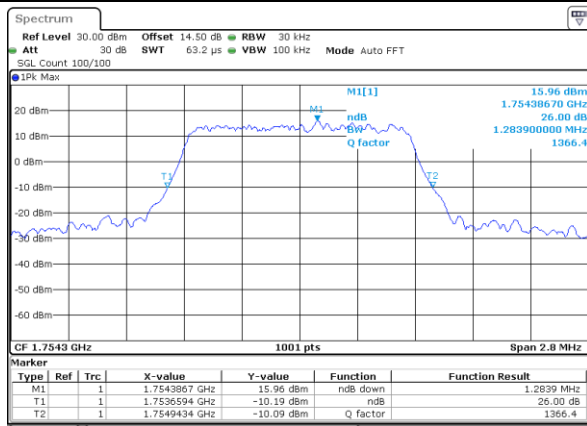
Date: 12.JUL.2018 11:49:11

Middle Channel / 1.4MHz / 16QAM



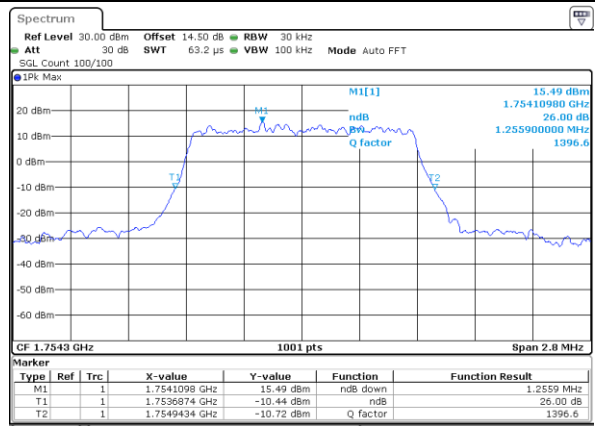
Date: 12.JUL.2018 11:49:21

Highest Channel / 1.4MHz / QPSK



Date: 12.JUL.2018 11:51:44

Highest Channel / 1.4MHz / 16QAM

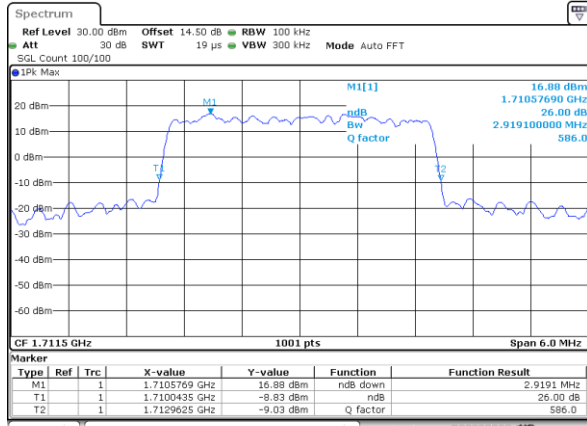


Date: 12.JUL.2018 11:51:54



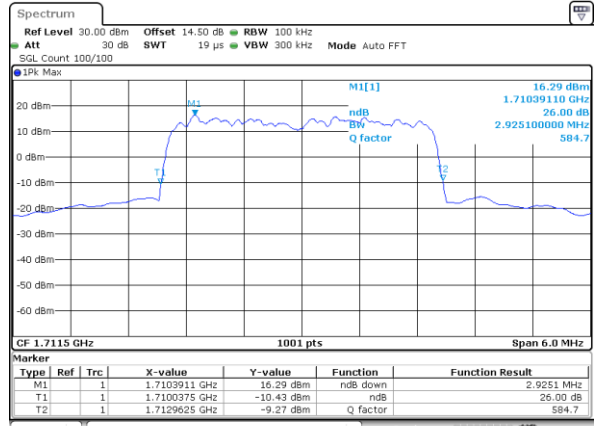
LTE Band 4

Lowest Channel / 3MHz / QPSK



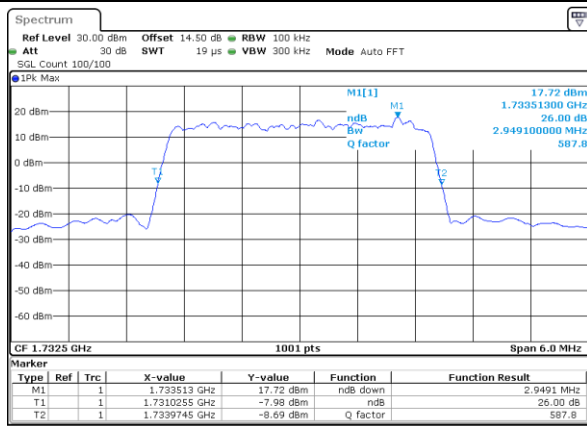
Date: 12.JUL.2018 11:54:16

Lowest Channel / 3MHz / 16QAM



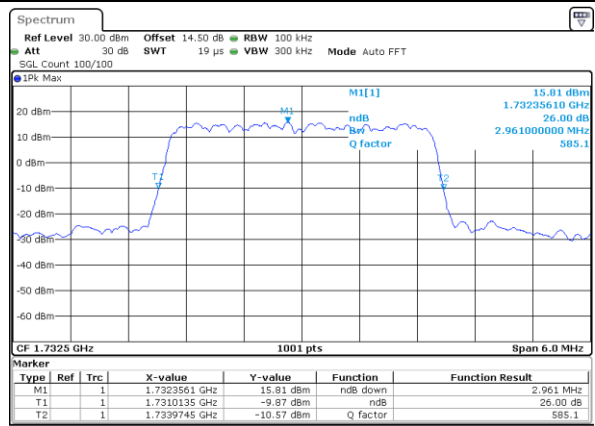
Date: 12.JUL.2018 11:54:26

Middle Channel / 3MHz / QPSK



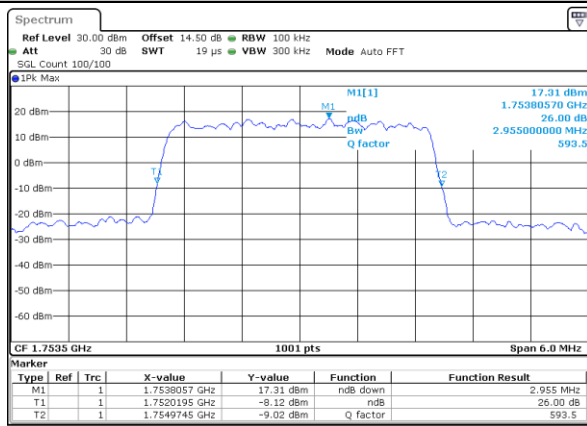
Date: 12.JUL.2018 11:56:49

Middle Channel / 3MHz / 16QAM



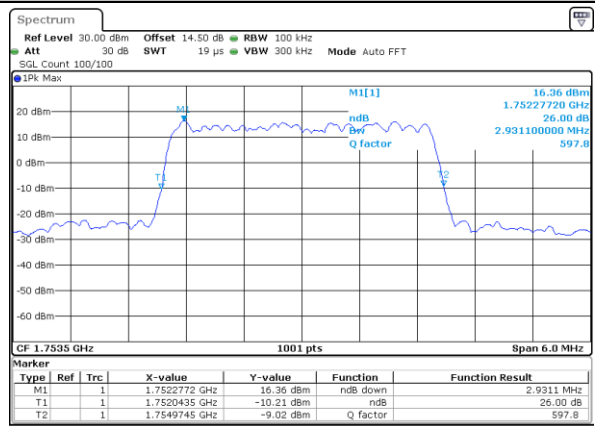
Date: 12.JUL.2018 11:56:59

Highest Channel / 3MHz / QPSK



Date: 12.JUL.2018 11:59:22

Highest Channel / 3MHz / 16QAM

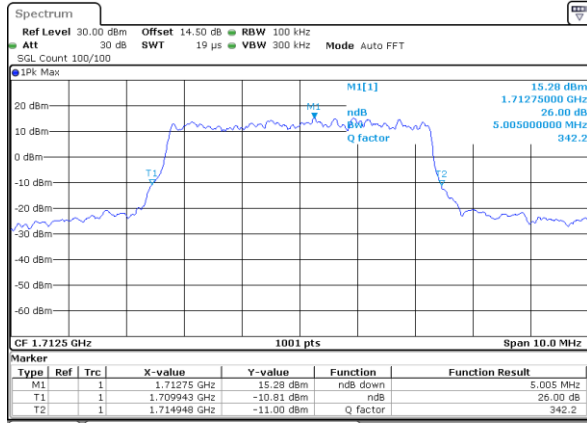


Date: 12.JUL.2018 11:59:32



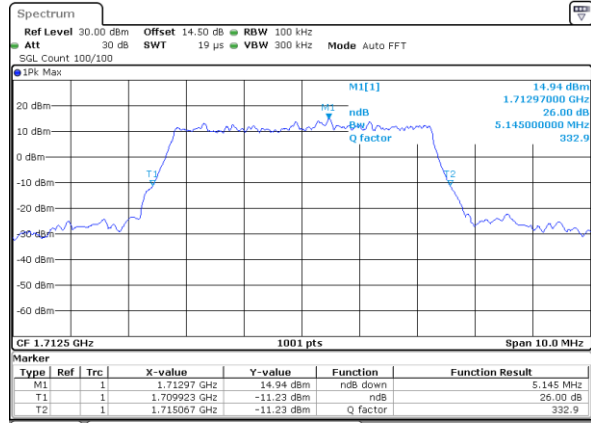
LTE Band 4

Lowest Channel / 5MHz / QPSK



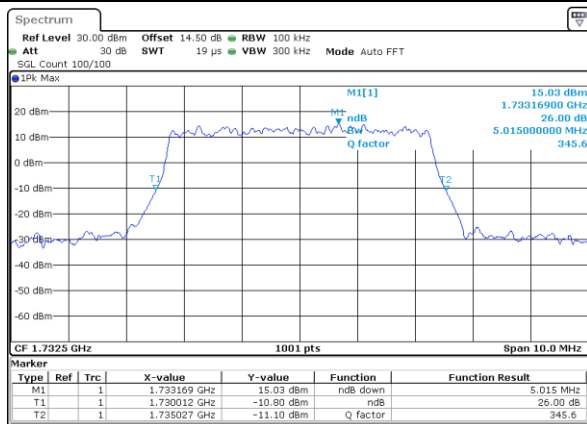
Date: 12.JUL.2018 12:01:54

Lowest Channel / 5MHz / 16QAM



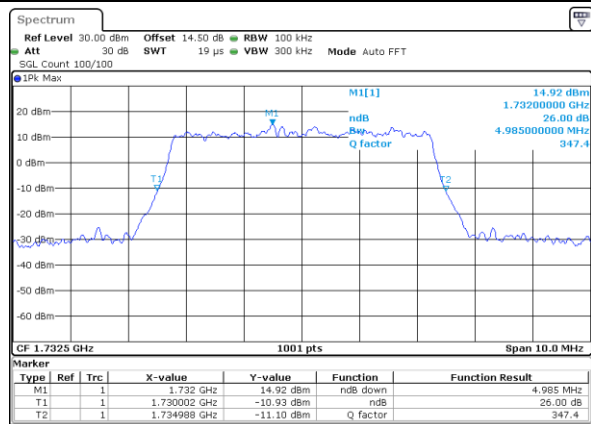
Date: 12.JUL.2018 12:02:04

Middle Channel / 5MHz / QPSK



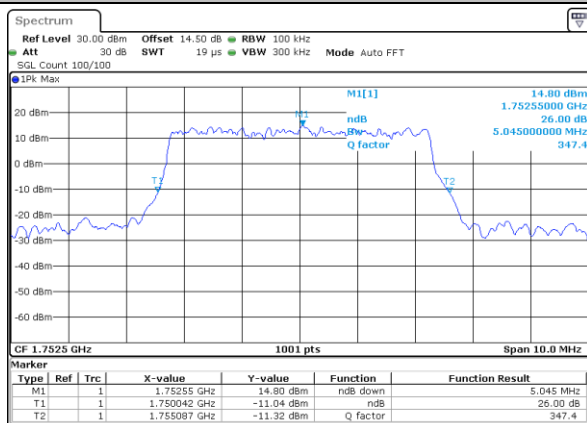
Date: 12.JUL.2018 12:04:27

Middle Channel / 5MHz / 16QAM



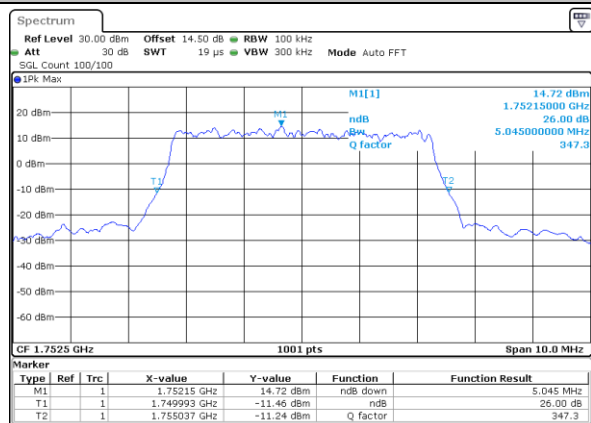
Date: 12.JUL.2018 12:04:37

Highest Channel / 5MHz / QPSK



Date: 12.JUL.2018 12:07:00

Highest Channel / 5MHz / 16QAM

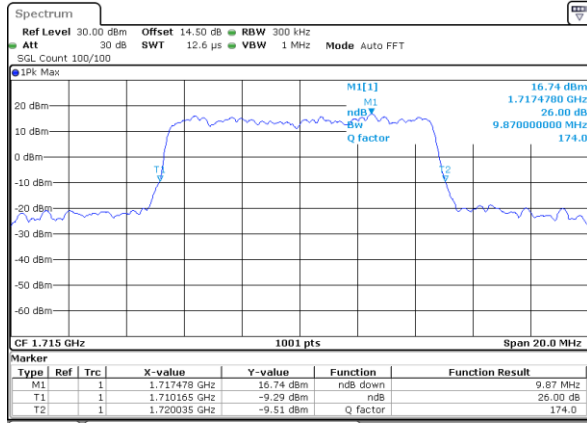


Date: 12.JUL.2018 12:07:09



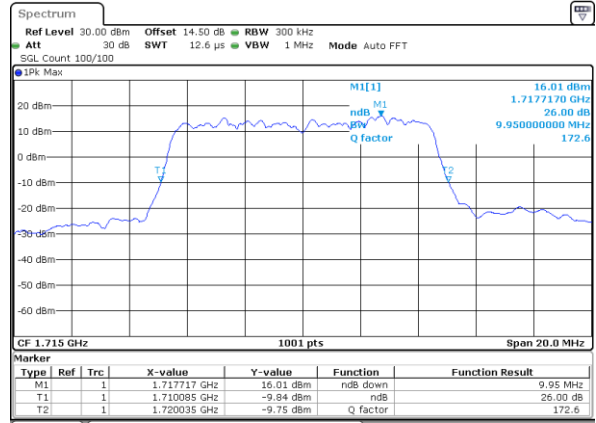
LTE Band 4

Lowest Channel / 10MHz / QPSK



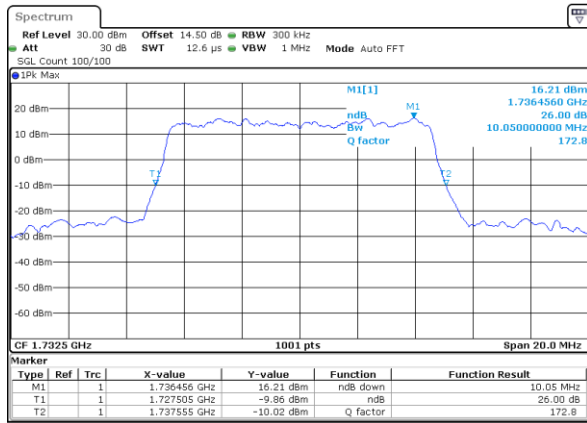
Date: 12.JUL.2018 12:09:32

Lowest Channel / 10MHz / 16QAM



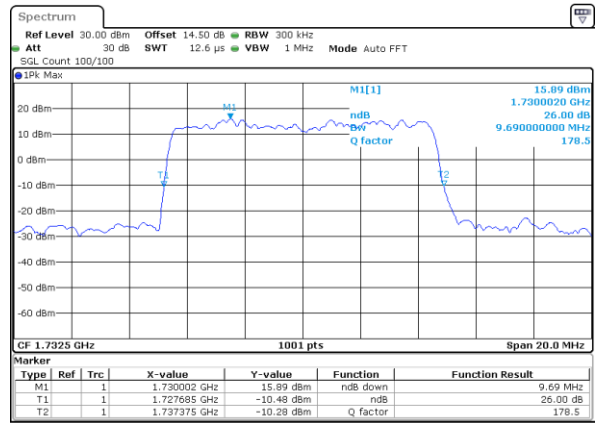
Date: 12.JUL.2018 12:09:42

Middle Channel / 10MHz / QPSK



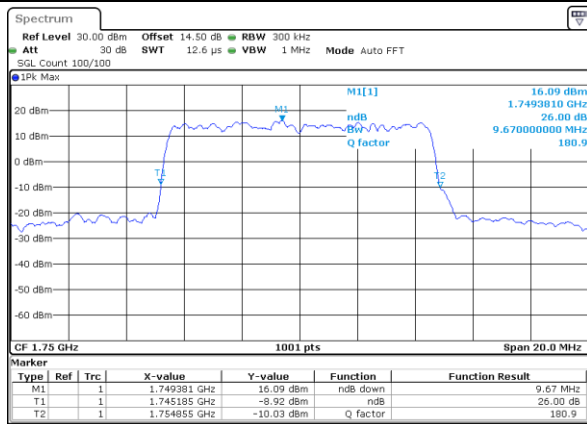
Date: 12.JUL.2018 12:12:05

Middle Channel / 10MHz / 16QAM



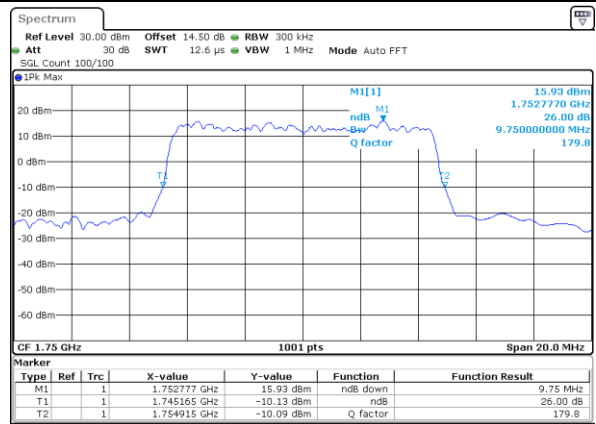
Date: 12.JUL.2018 12:12:15

Highest Channel / 10MHz / QPSK



Date: 12.JUL.2018 12:14:37

Highest Channel / 10MHz / 16QAM

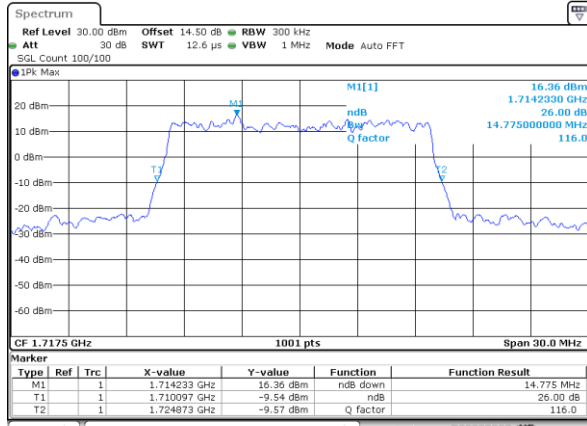


Date: 12.JUL.2018 12:14:47



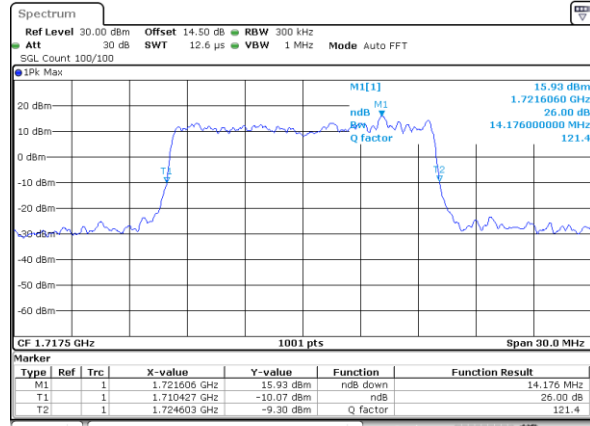
LTE Band 4

Lowest Channel / 15MHz / QPSK



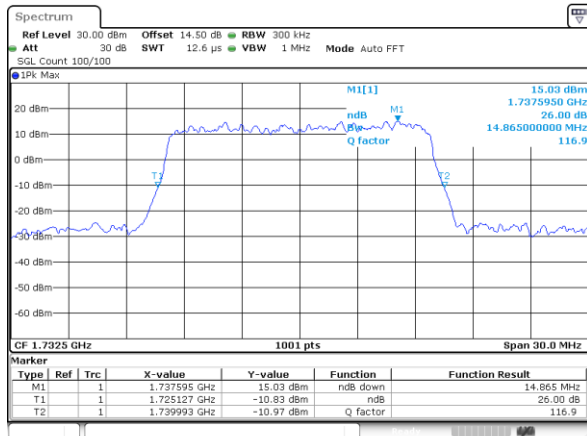
Date: 12.JUL.2018 12:17:09

Lowest Channel / 15MHz / 16QAM



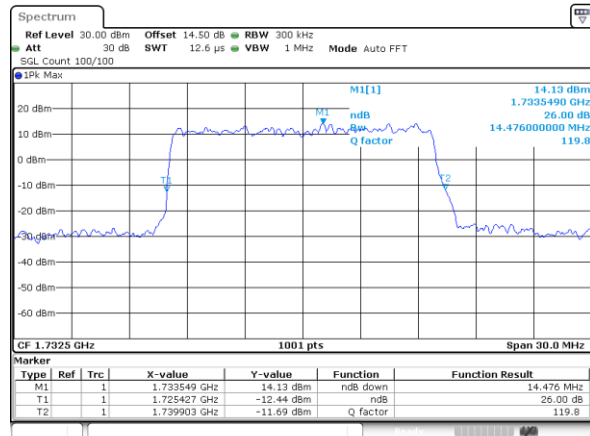
Date: 12.JUL.2018 12:17:19

Middle Channel / 15MHz / QPSK



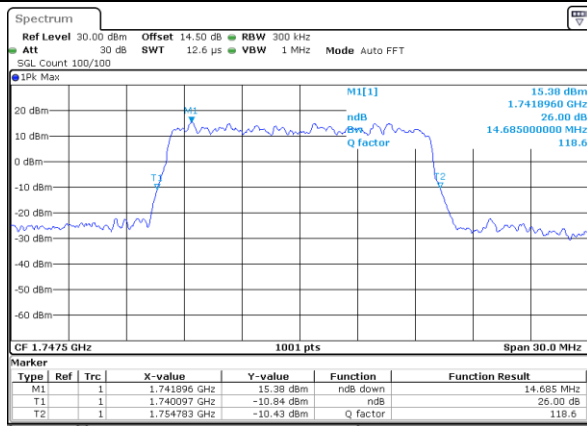
Date: 12.JUL.2018 12:19:42

Middle Channel / 15MHz / 16QAM



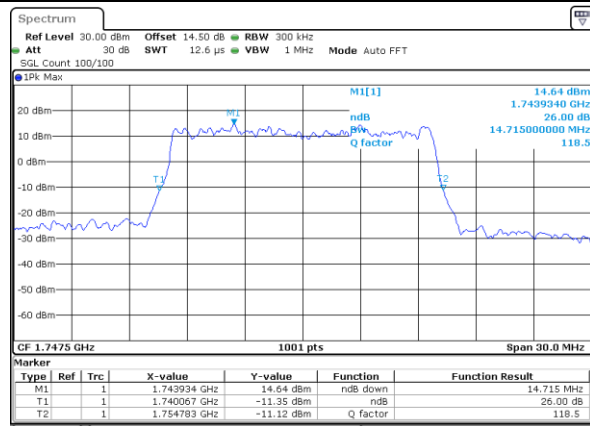
Date: 12.JUL.2018 12:19:52

Highest Channel / 15MHz / QPSK



Date: 12.JUL.2018 12:22:15

Highest Channel / 15MHz / 16QAM

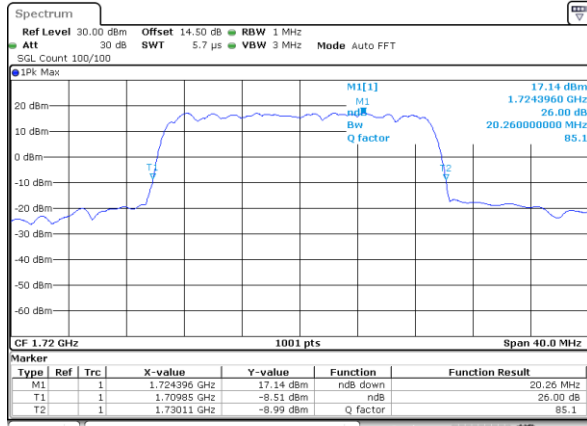


Date: 12.JUL.2018 12:22:25



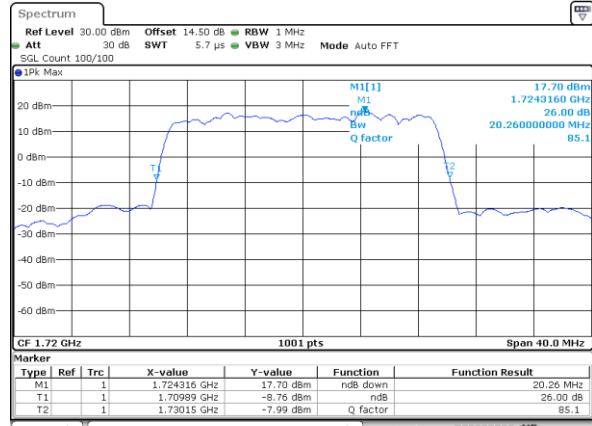
LTE Band 4

Lowest Channel / 20MHz / QPSK



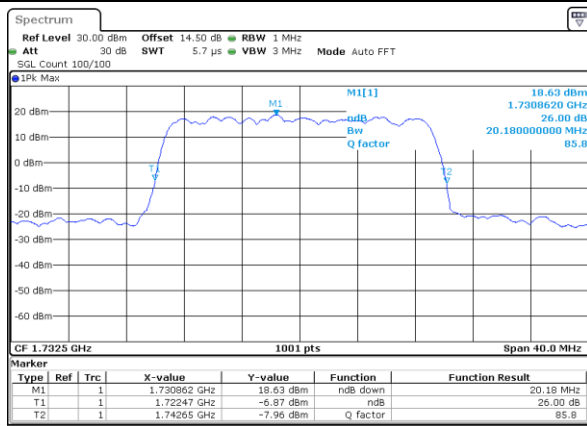
Date: 12.JUL.2018 12:37:02

Lowest Channel / 20MHz / 16QAM



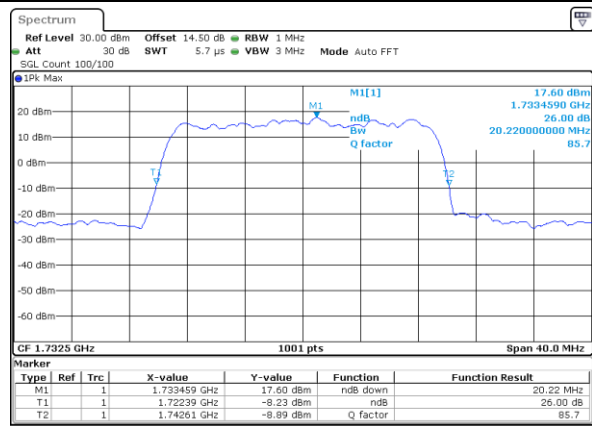
Date: 12.JUL.2018 12:37:13

Middle Channel / 20MHz / QPSK



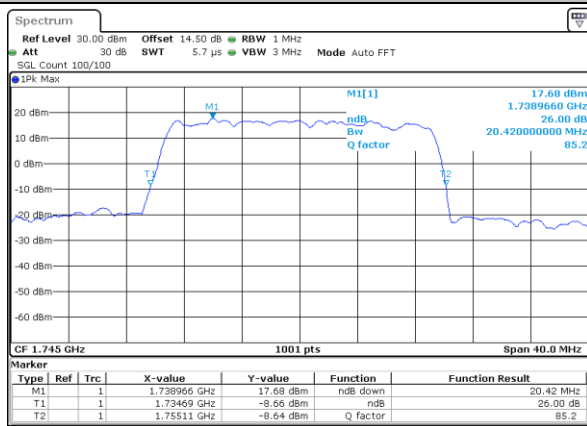
Date: 12.JUL.2018 12:39:35

Middle Channel / 20MHz / 16QAM



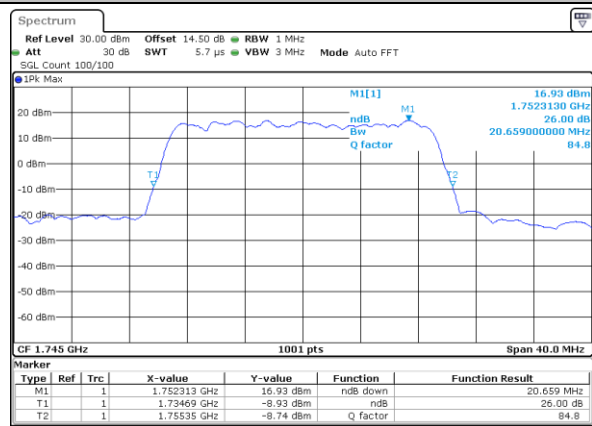
Date: 12.JUL.2018 12:39:45

Highest Channel / 20MHz / QPSK



Date: 12.JUL.2018 12:42:08

Highest Channel / 20MHz / 16QAM

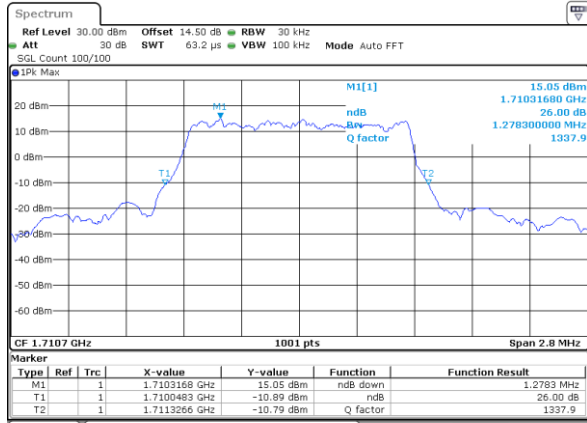


Date: 12.JUL.2018 12:42:18



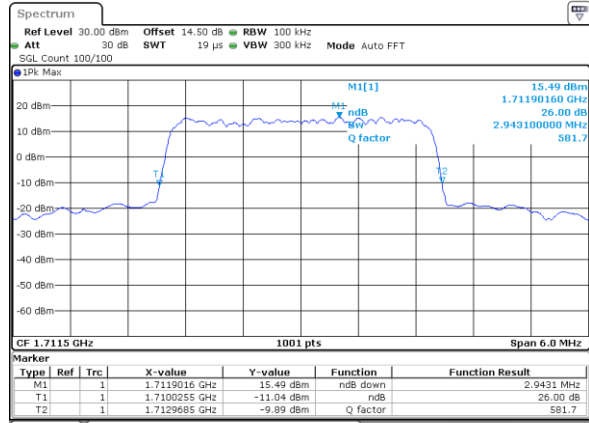
LTE Band 4

Lowest Channel / 1.4MHz / 64QAM



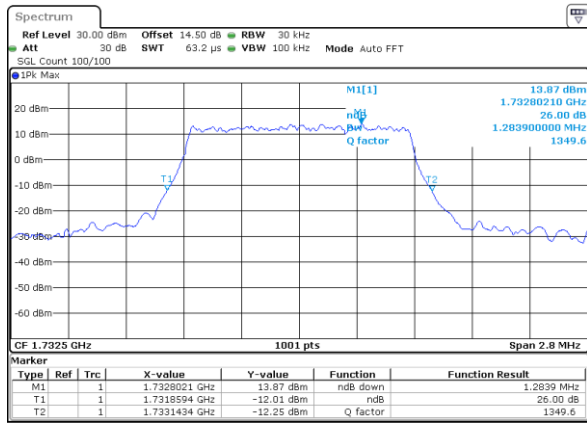
Date: 18 JUL 2018 15:50:01

Lowest Channel / 3MHz / 64QAM



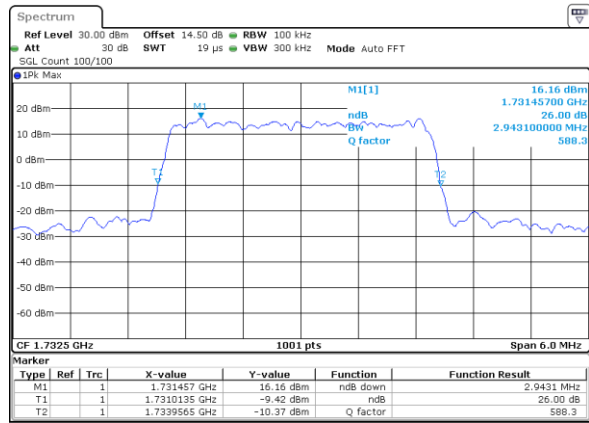
Date: 18 JUL 2018 15:58:12

Middle Channel / 1.4MHz / 64QAM



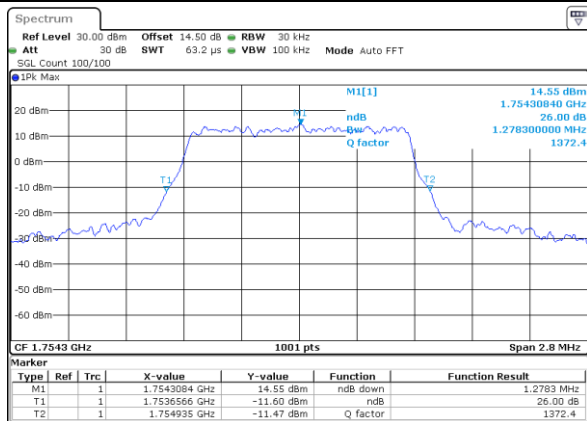
Date: 18 JUL 2018 15:53:30

Middle Channel / 3MHz / 64QAM



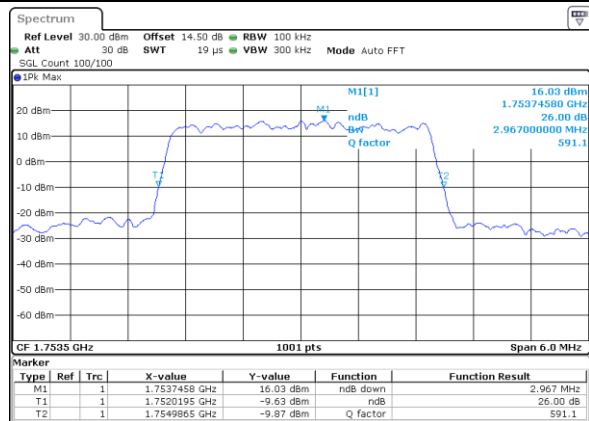
Date: 18 JUL 2018 16:01:41

Highest Channel / 1.4MHz / 64QAM



Date: 18 JUL 2018 15:54:43

Highest Channel / 3MHz / 64QAM



Date: 18 JUL 2018 16:02:53