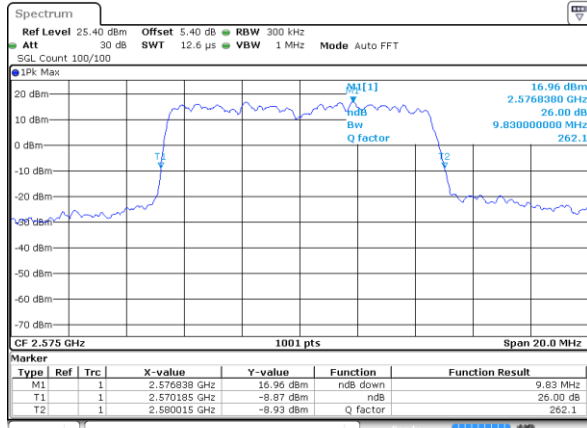


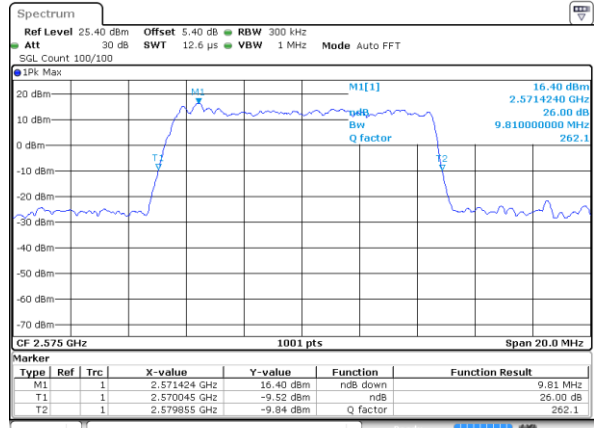


LTE Band 38

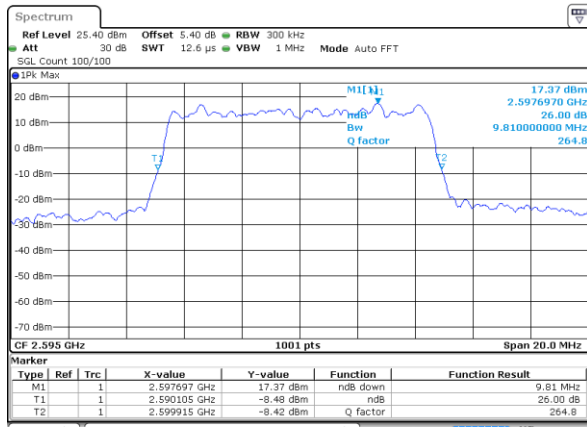
Lowest Channel / 10MHz / QPSK



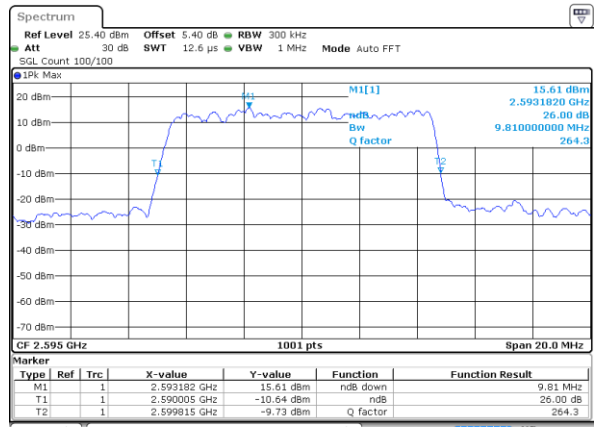
Lowest Channel / 10MHz / 16QAM



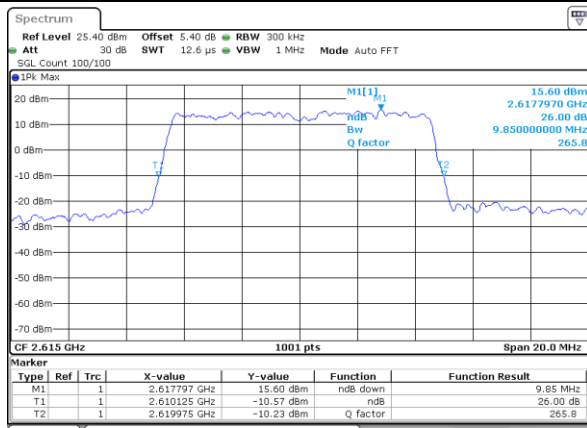
Middle Channel / 10MHz / QPSK



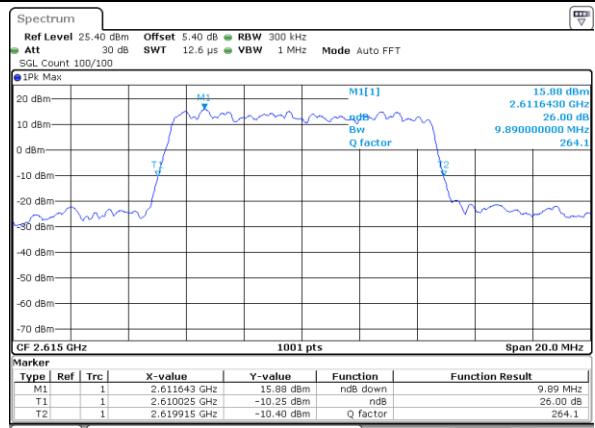
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



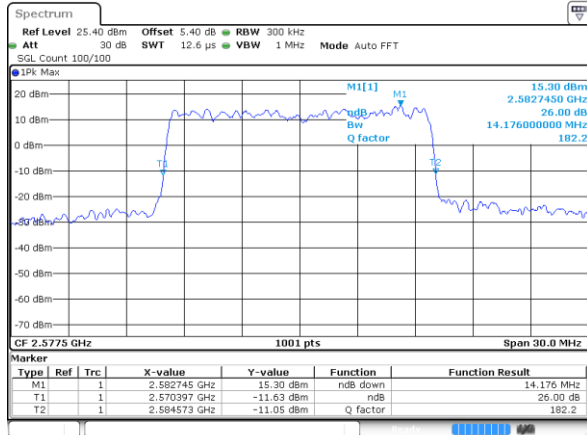
Highest Channel / 10MHz / 16QAM





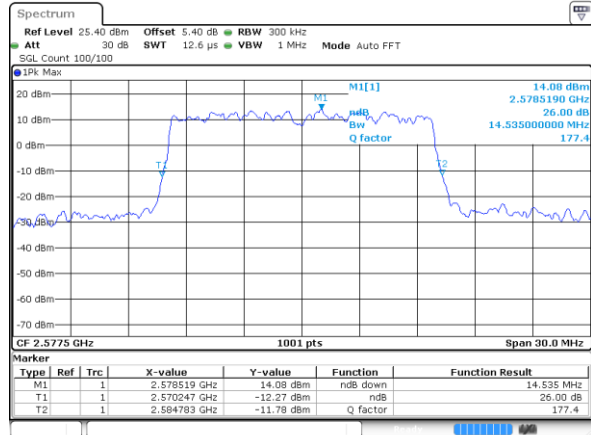
LTE Band 38

Lowest Channel / 15MHz / QPSK



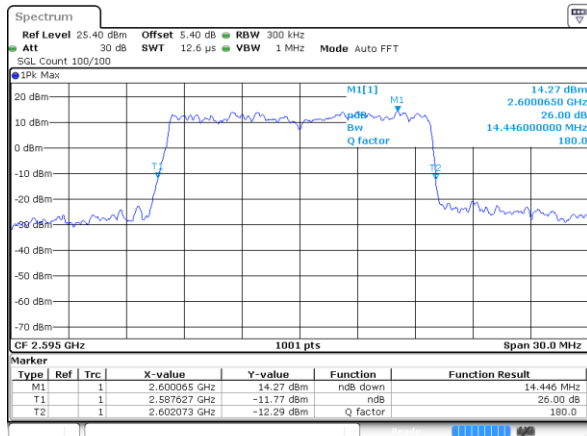
Date: 4 JAN 2018 09:24:06

Lowest Channel / 15MHz / 16QAM



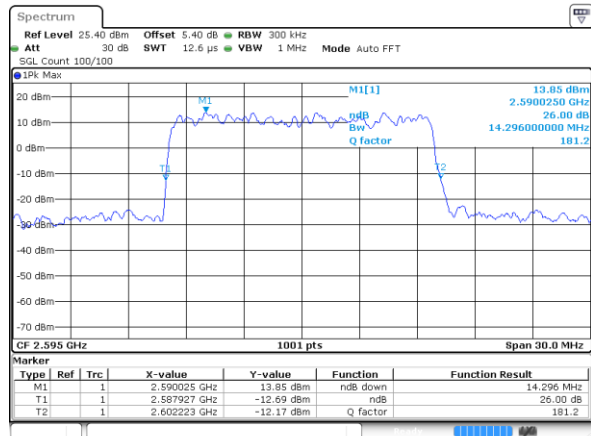
Date: 4 JAN 2018 09:25:57

Middle Channel / 15MHz / QPSK



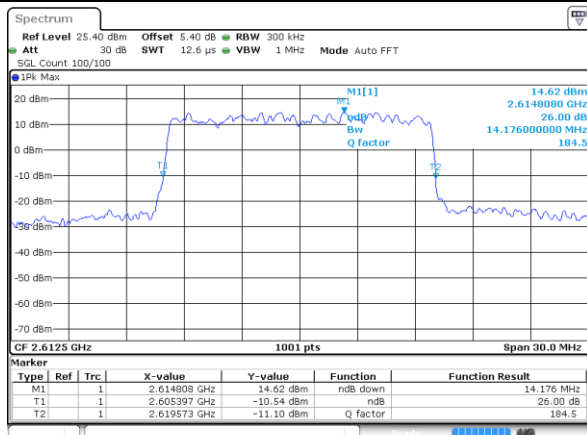
Date: 4 JAN 2018 09:24:29

Middle Channel / 15MHz / 16QAM



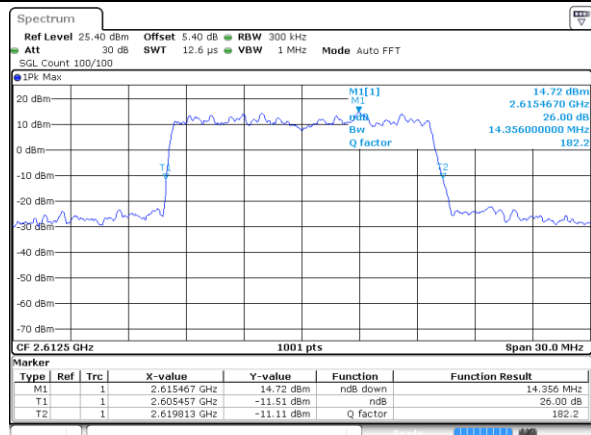
Date: 4 JAN 2018 09:25:35

Highest Channel / 15MHz / QPSK



Date: 4 JAN 2018 09:24:53

Highest Channel / 15MHz / 16QAM

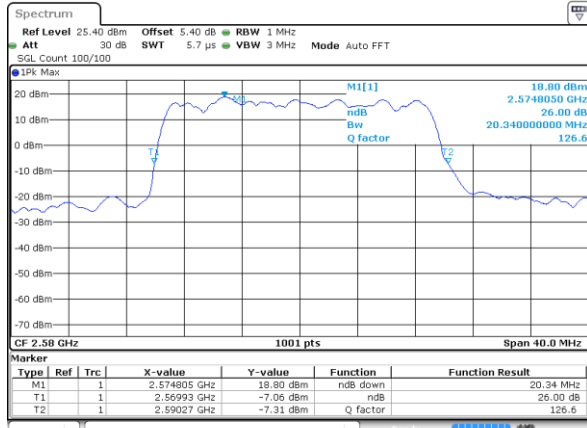


Date: 4 JAN 2018 09:25:14



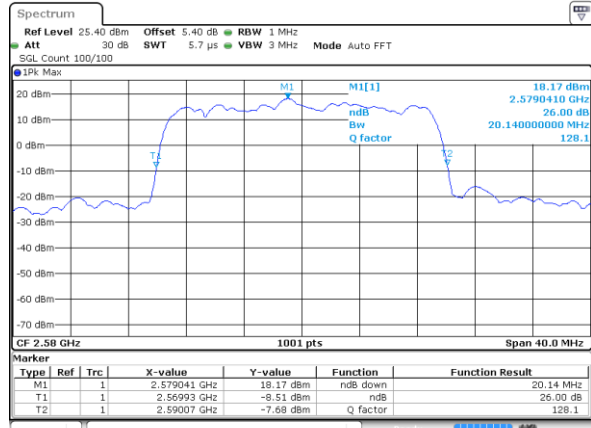
LTE Band 38

Lowest Channel / 20MHz / QPSK



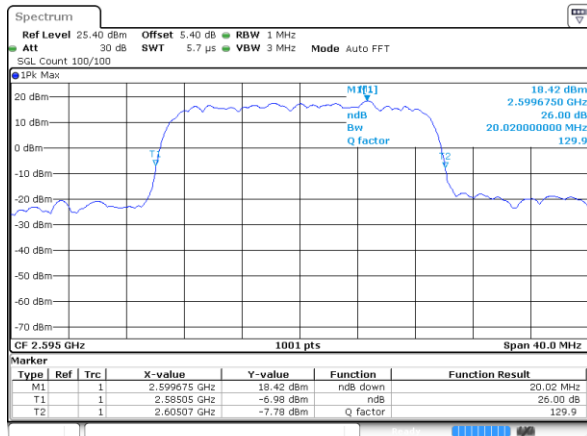
Date: 4 JAN 2018 09:54:34

Lowest Channel / 20MHz / 16QAM



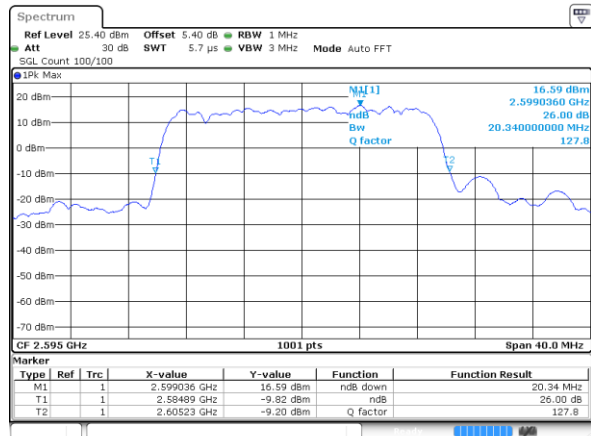
Date: 4 JAN 2018 09:55:44

Middle Channel / 20MHz / QPSK



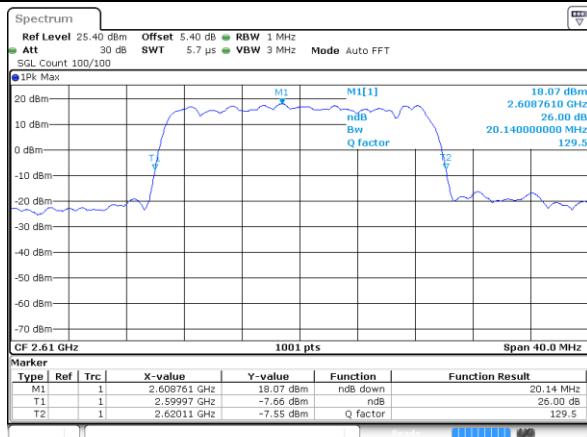
Date: 4 JAN 2018 09:54:55

Middle Channel / 20MHz / 16QAM



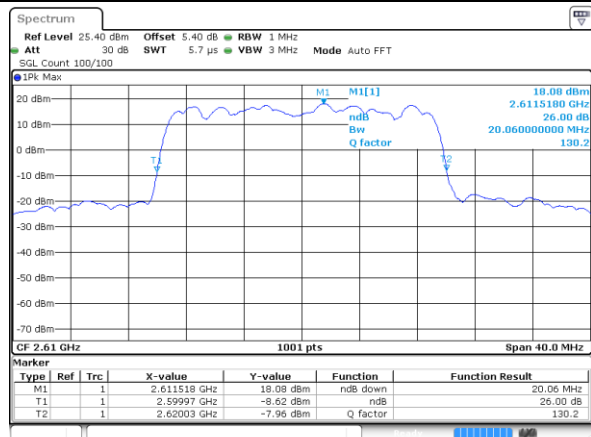
Date: 4 JAN 2018 09:56:04

Highest Channel / 20MHz / QPSK



Date: 4 JAN 2018 09:55:18

Highest Channel / 20MHz / 16QAM

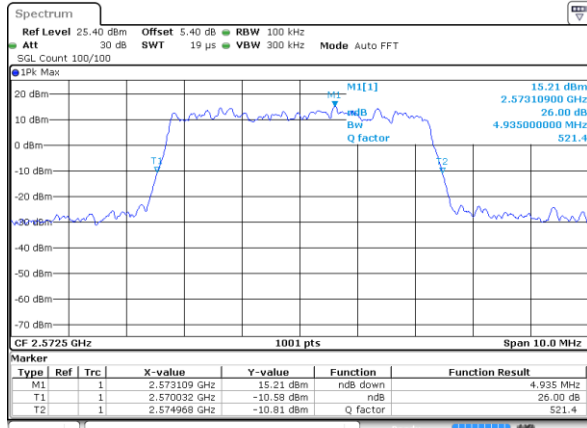


Date: 4 JAN 2018 09:56:28

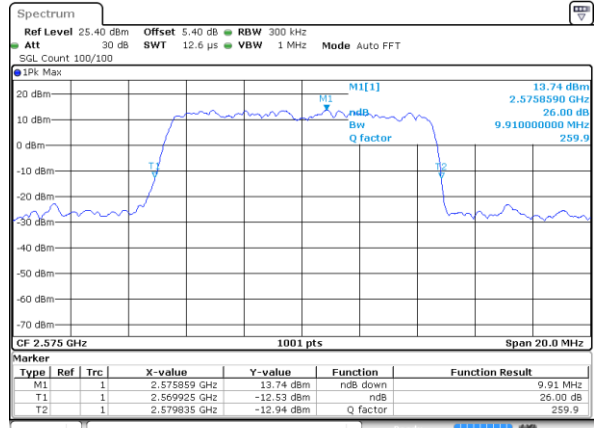


LTE Band 38

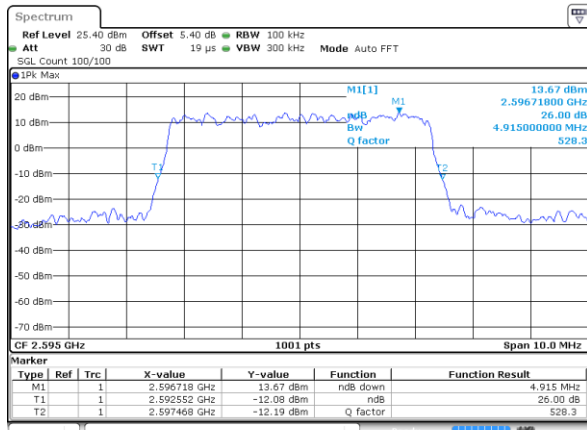
Lowest Channel / 5MHz / 64QAM



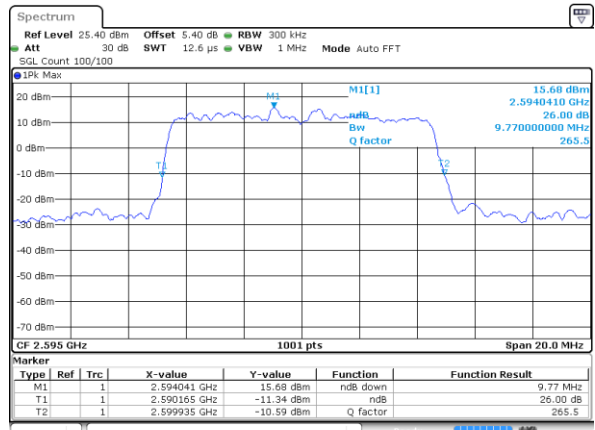
Lowest Channel / 10MHz / 64QAM



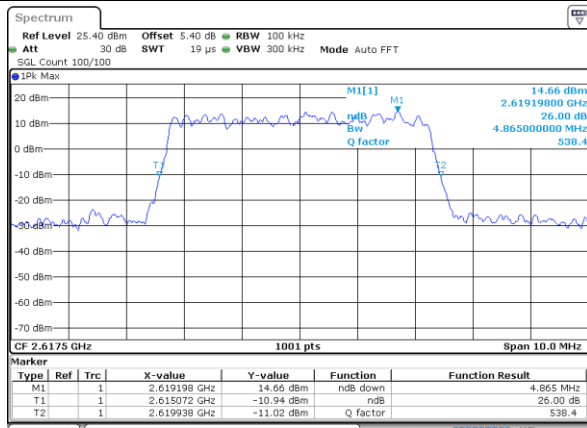
Middle Channel / 5MHz / 64QAM



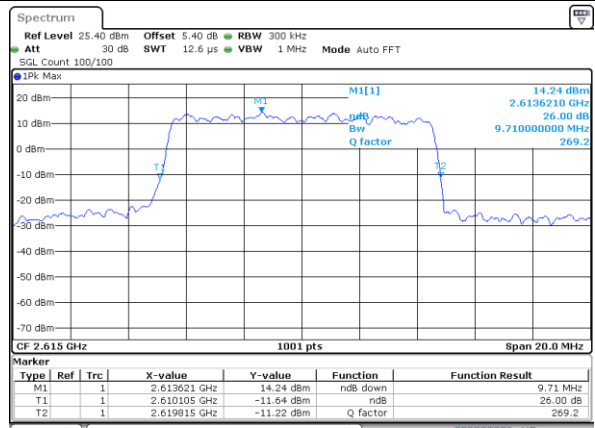
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



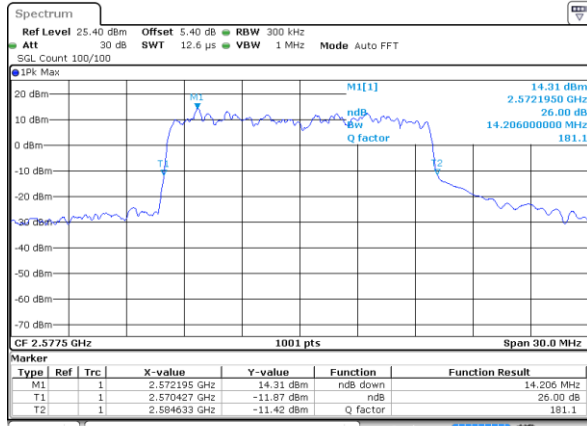
Highest Channel / 10MHz / 64QAM





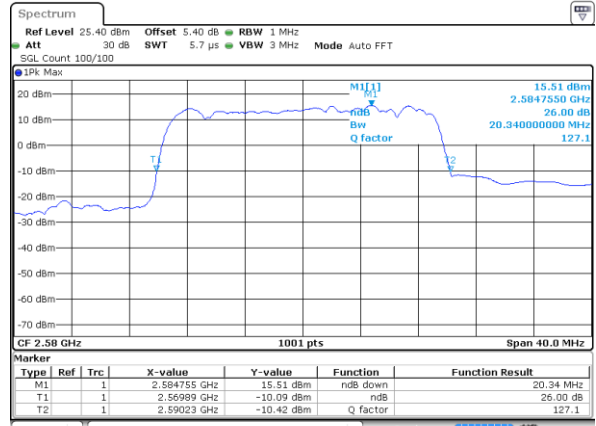
LTE Band 38

Lowest Channel / 15MHz / 64QAM



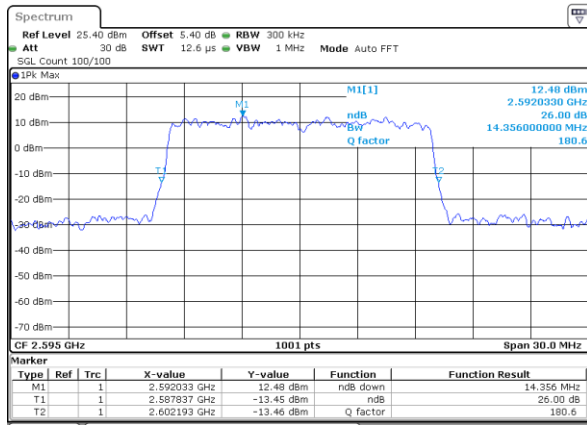
Date: 4 JAN 2018 13:00:33

Lowest Channel / 20MHz / 64QAM



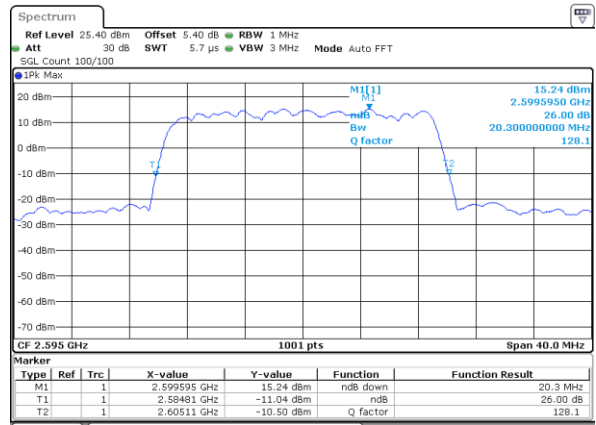
Date: 4 JAN 2018 13:17:29

Middle Channel / 15MHz / 64QAM



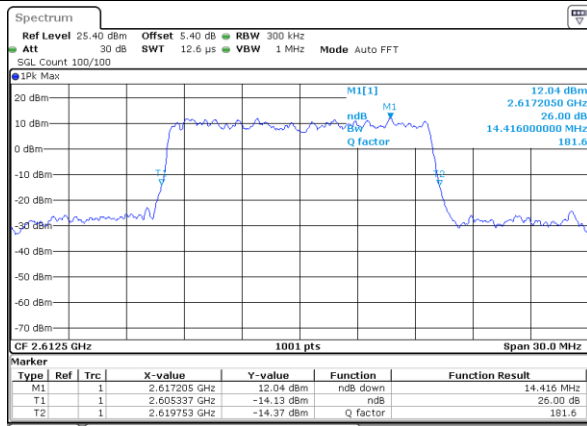
Date: 4 JAN 2018 13:00:56

Middle Channel /20MHz / 64QAM



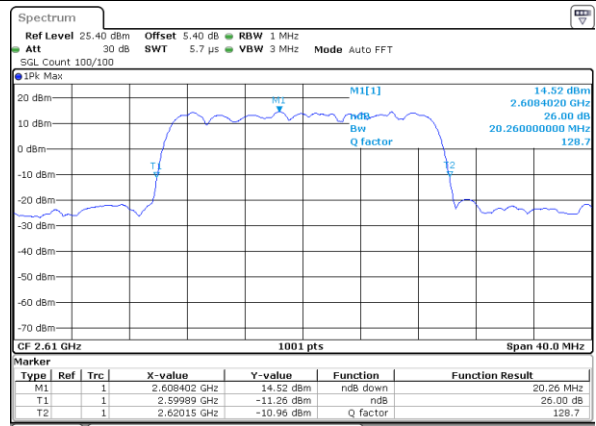
Date: 4 JAN 2018 13:18:00

Highest Channel /15MHz / 64QAM



Date: 4 JAN 2018 13:01:24

Highest Channel /20MHz / 64QAM

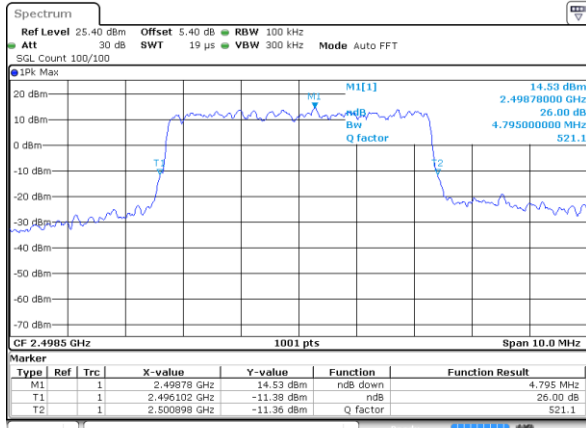


Date: 4 JAN 2018 13:18:44



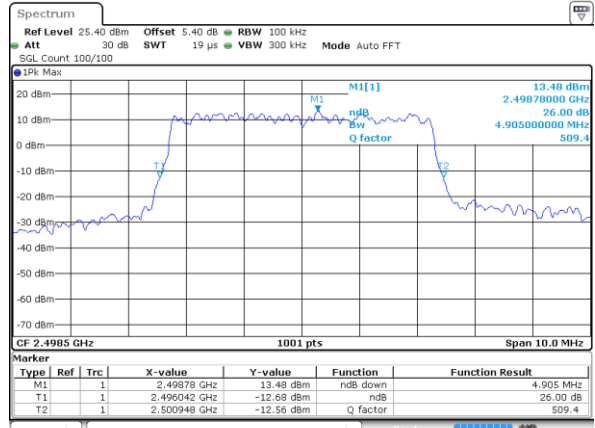
LTE Band 41

Lowest Channel / 5MHz / QPSK



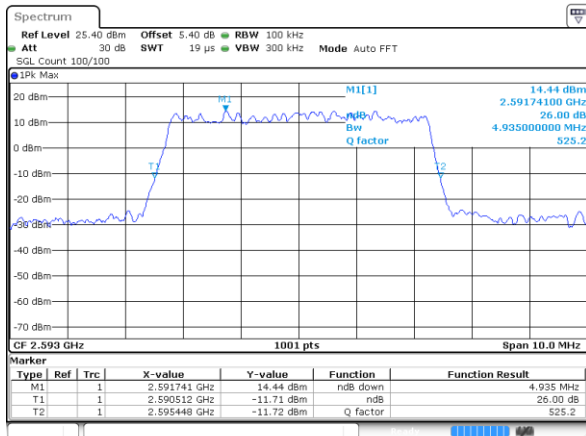
Date: 4 JAN 2018 18:43:24

Lowest Channel / 5MHz / 16QAM



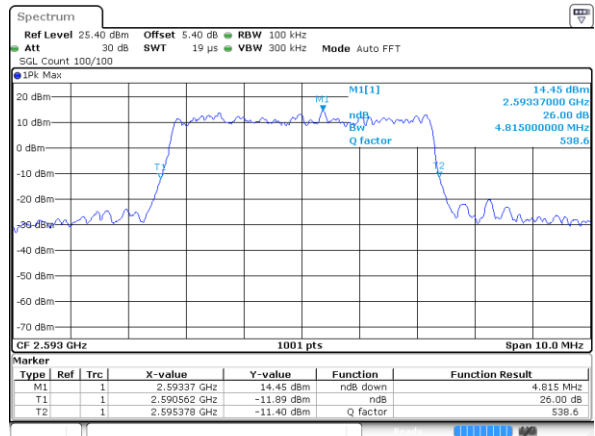
Date: 4 JAN 2018 18:27:39

Middle Channel / 5MHz / QPSK



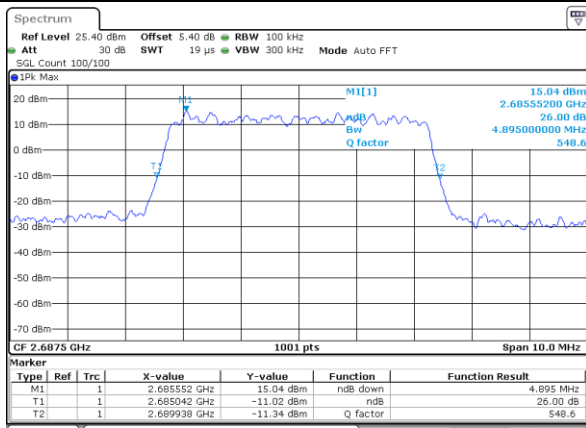
Date: 4 JAN 2018 18:43:40

Middle Channel / 5MHz / 16QAM



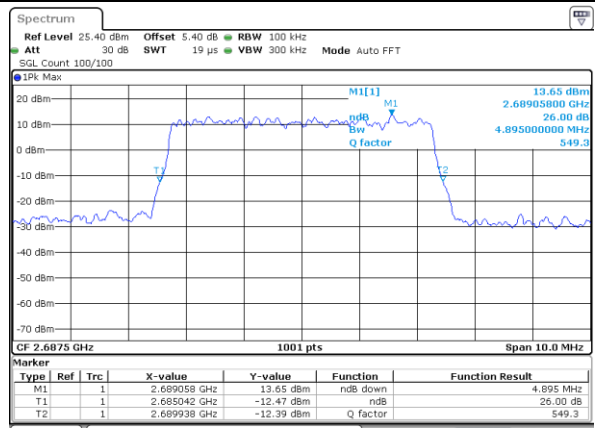
Date: 4 JAN 2018 18:28:21

Highest Channel / 5MHz / QPSK



Date: 4 JAN 2018 18:30:00

Highest Channel / 5MHz / 16QAM

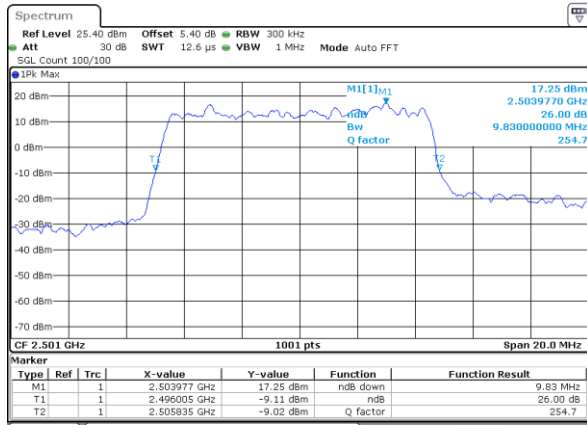


Date: 4 JAN 2018 18:37:19

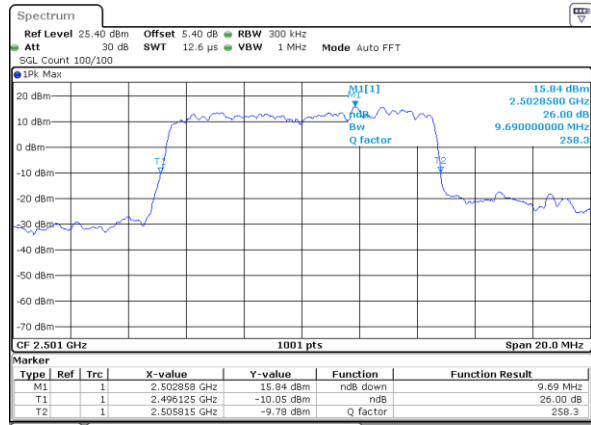


LTE Band 41

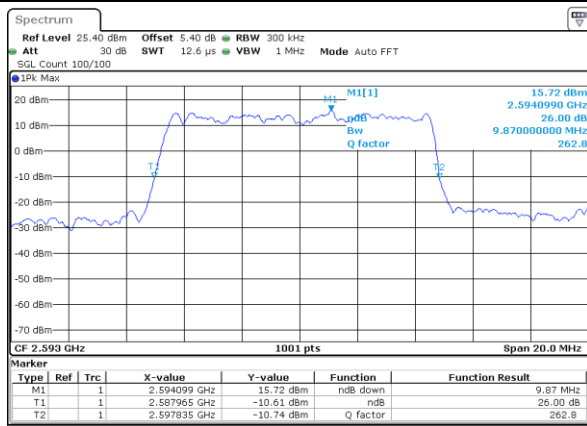
Lowest Channel / 10MHz / QPSK



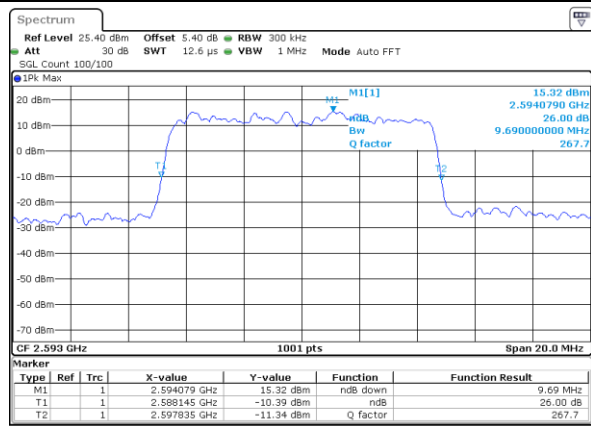
Lowest Channel / 10MHz / 16QAM



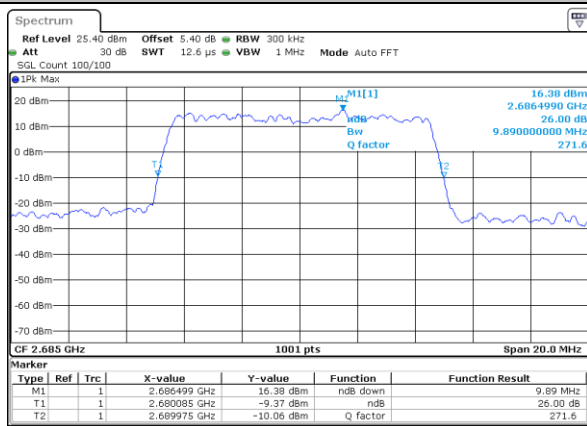
Middle Channel / 10MHz / QPSK



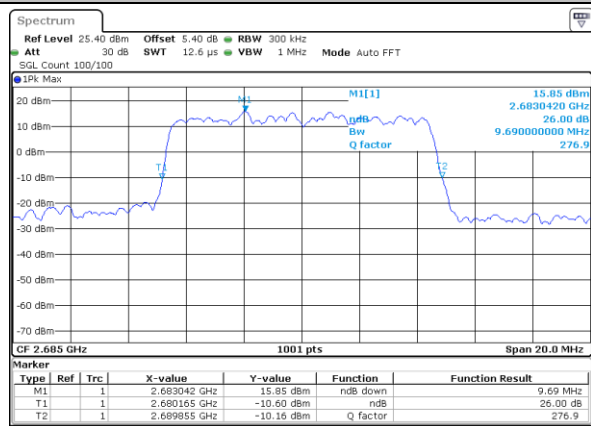
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



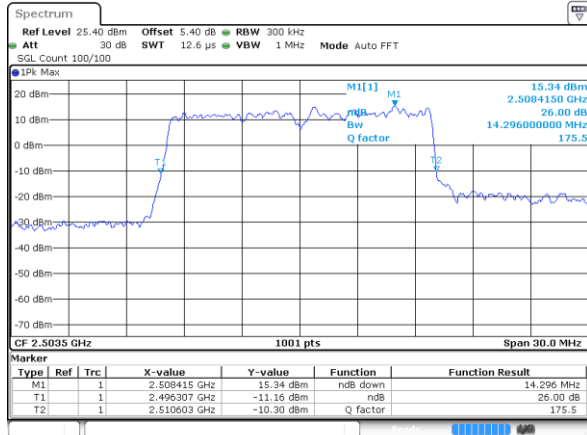
Highest Channel / 10MHz / 16QAM



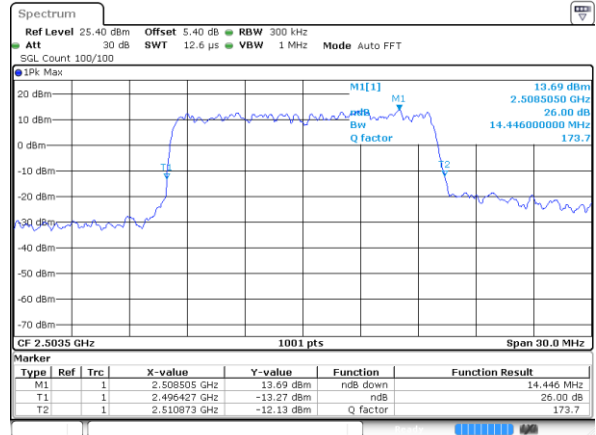


LTE Band 41

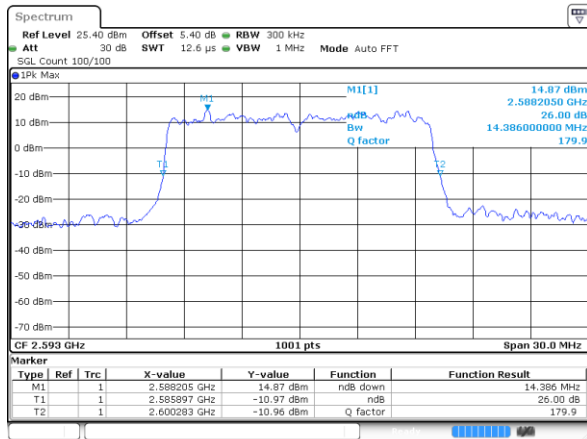
Lowest Channel / 15MHz / QPSK



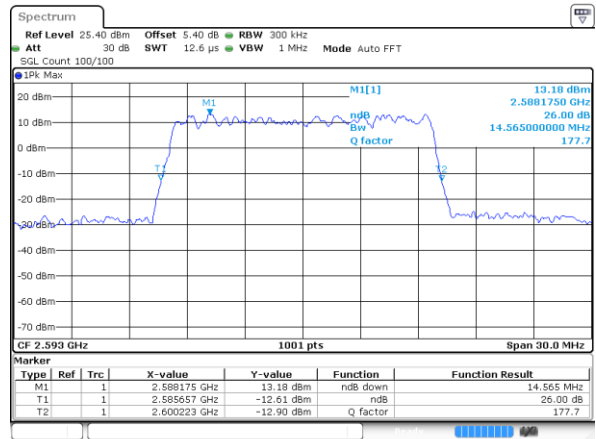
Lowest Channel / 15MHz / 16QAM



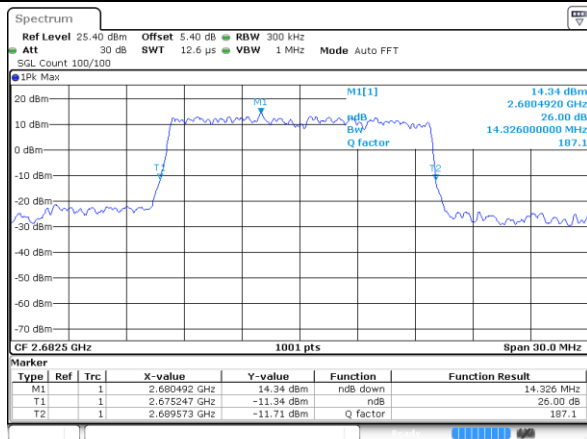
Middle Channel / 15MHz / QPSK



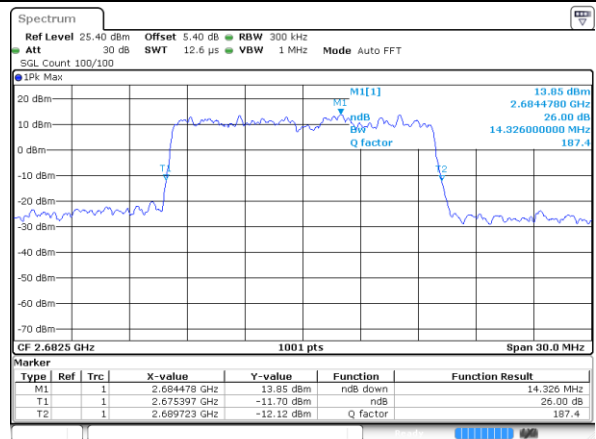
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



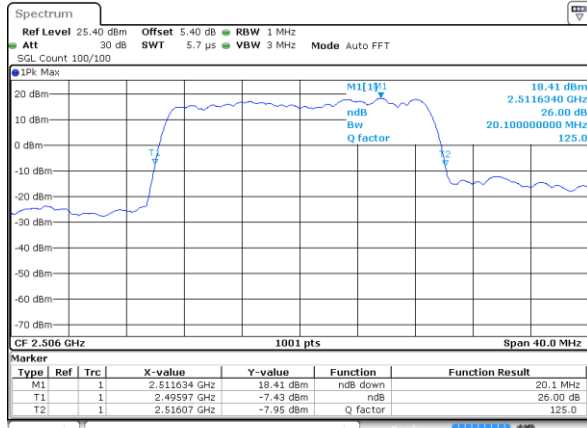
Highest Channel / 15MHz / 16QAM



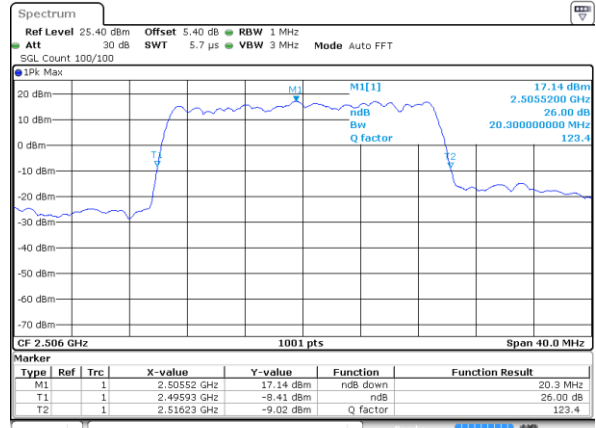


LTE Band 41

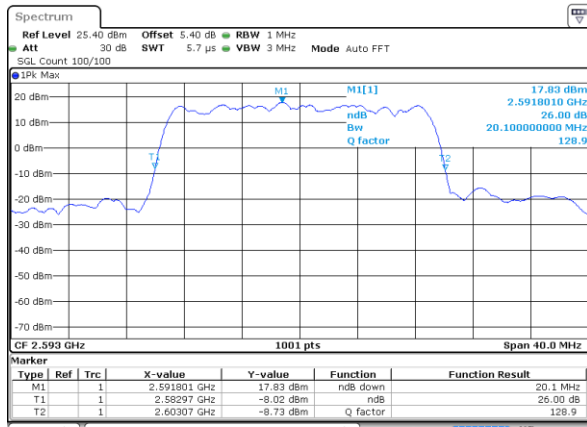
Lowest Channel / 20MHz / QPSK



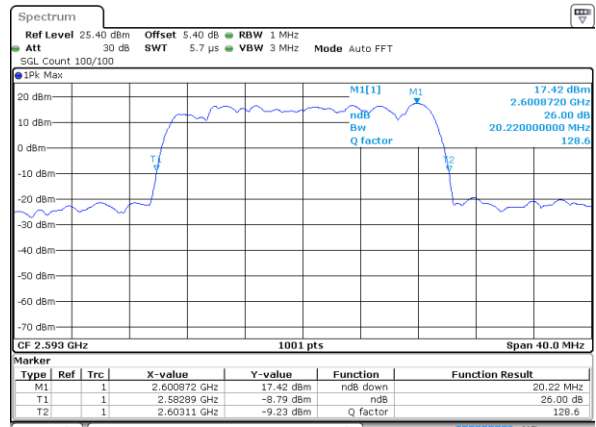
Lowest Channel / 20MHz / 16QAM



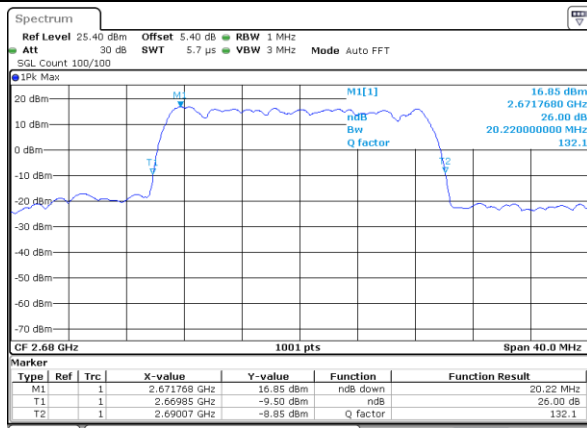
Middle Channel / 20MHz / QPSK



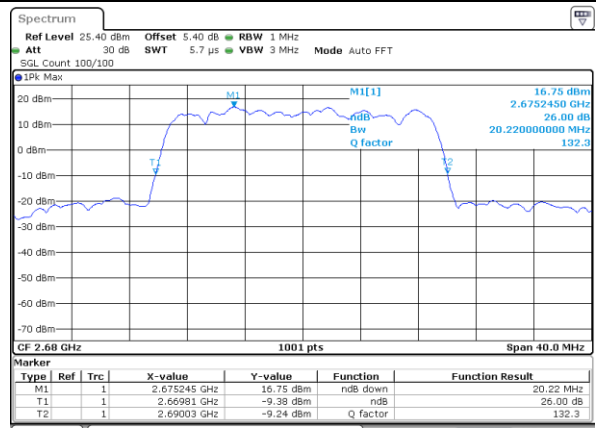
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



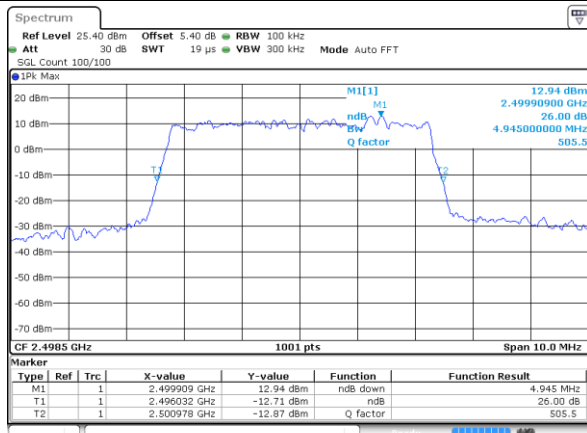
Highest Channel / 20MHz / 16QAM





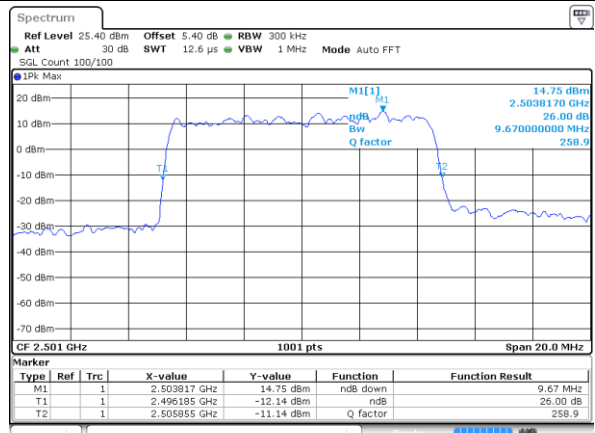
LTE Band 41

Lowest Channel / 5MHz / 64QAM



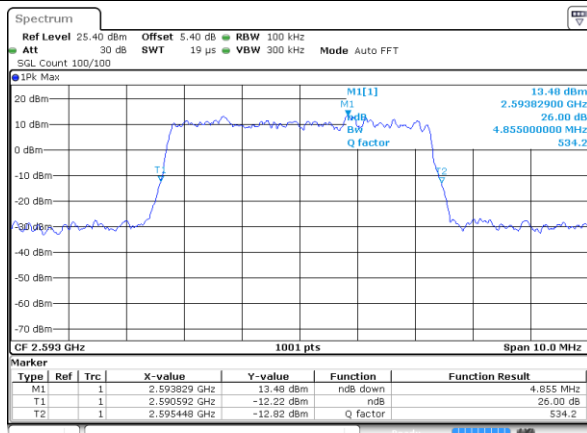
Date: 4 JAN 2018 18:44:08

Lowest Channel / 10MHz / 64QAM



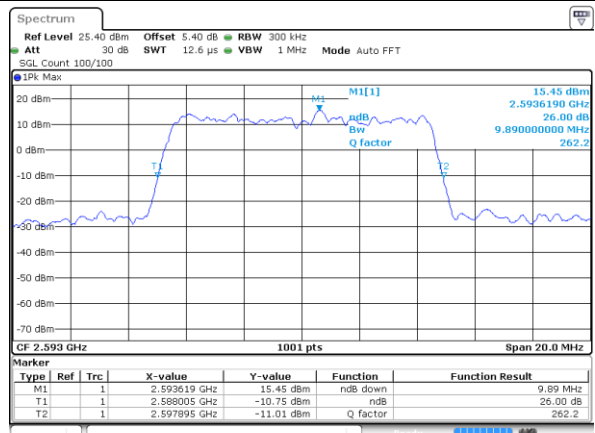
Date: 4 JAN 2018 18:41:50

Middle Channel / 5MHz / 64QAM



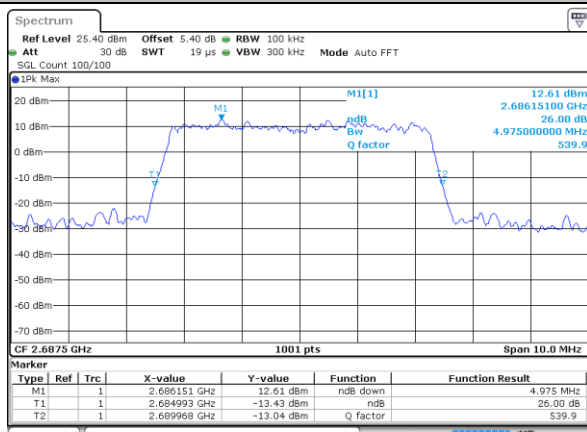
Date: 4 JAN 2018 18:44:34

Middle Channel / 10MHz / 64QAM



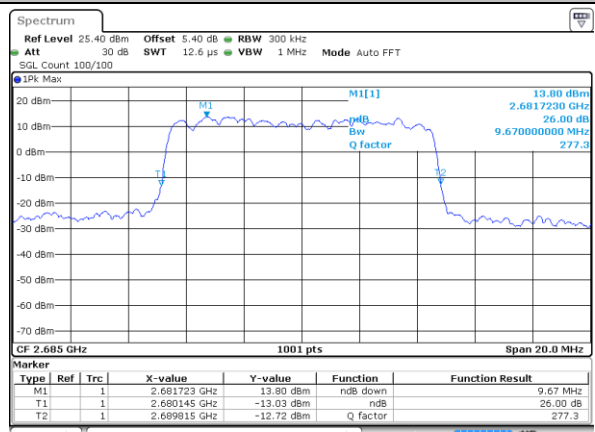
Date: 4 JAN 2018 18:42:12

Highest Channel / 5MHz / 64QAM



Date: 4 JAN 2018 18:45:07

Highest Channel / 10MHz / 64QAM

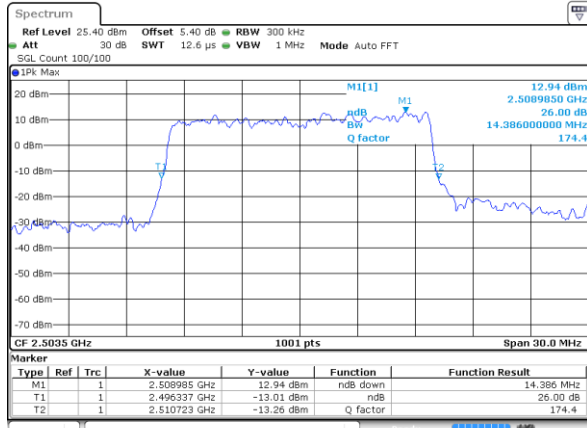


Date: 4 JAN 2018 18:42:37

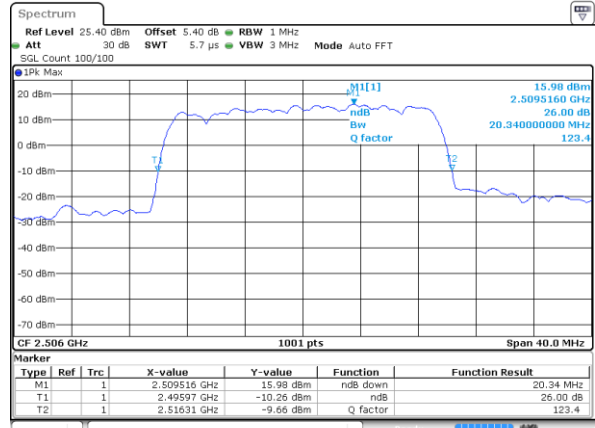


LTE Band 41

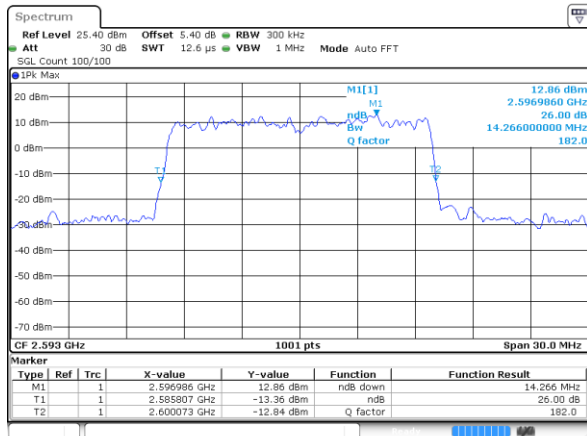
Lowest Channel / 15MHz / 64QAM



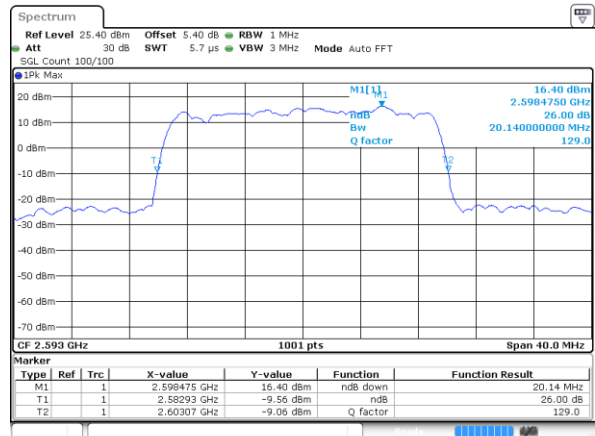
Lowest Channel / 20MHz / 64QAM



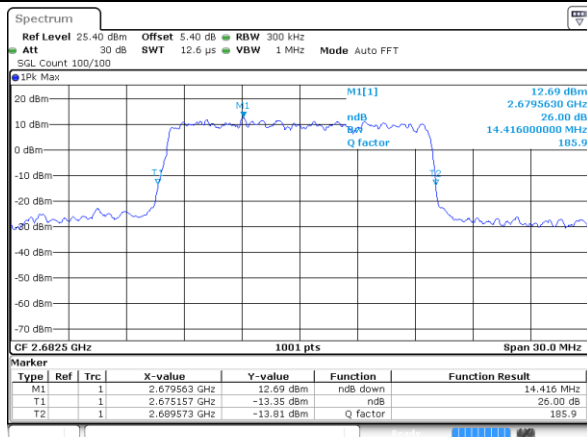
Middle Channel / 15MHz / 64QAM



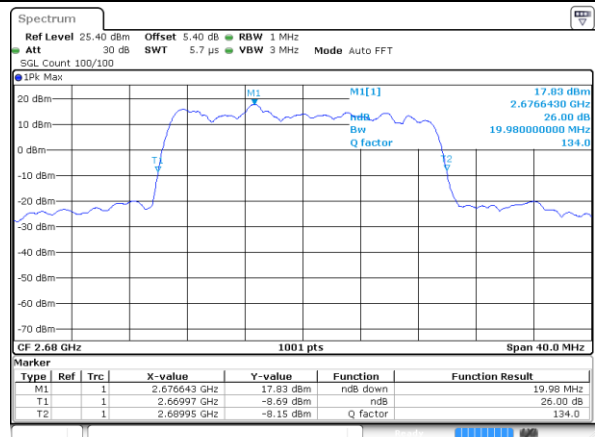
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



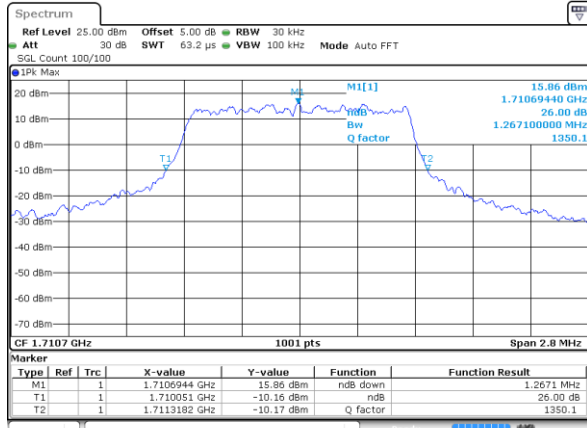
Highest Channel / 20MHz / 64QAM





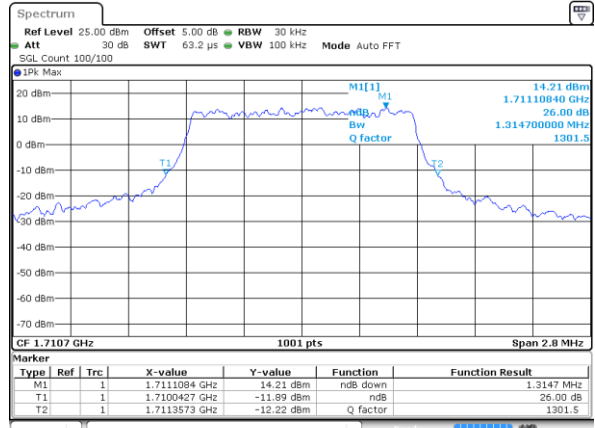
LTE Band 66

Lowest Channel / 1.4MHz / QPSK



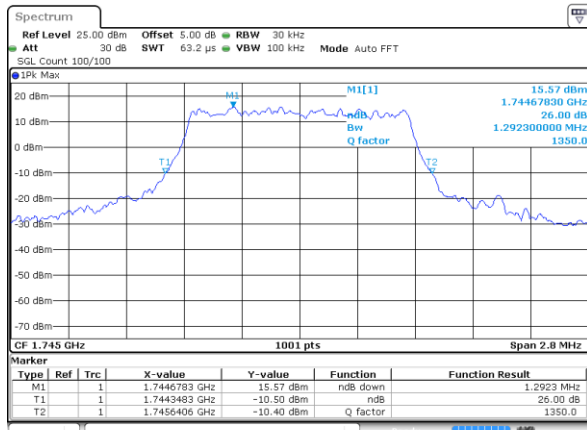
Date: 5 JAN 2018 08:01:25

Lowest Channel / 1.4MHz / 16QAM



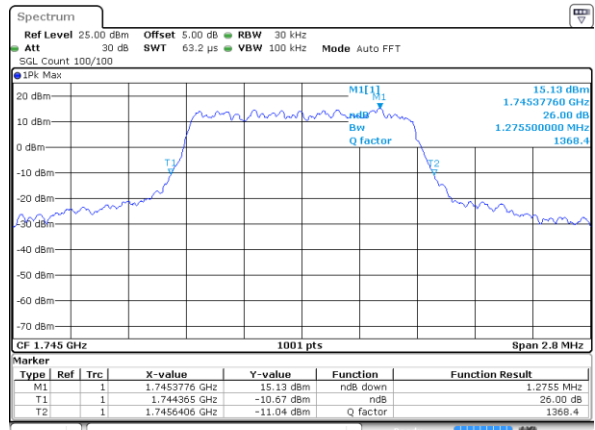
Date: 5 JAN 2018 08:03:19

Middle Channel / 1.4MHz / QPSK



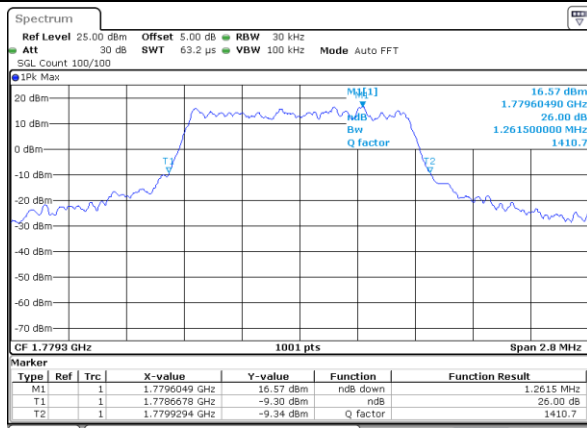
Date: 5 JAN 2018 08:20:44

Middle Channel / 1.4MHz / 16QAM



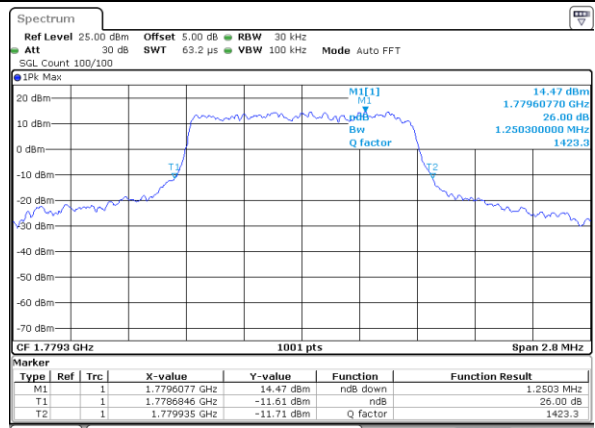
Date: 5 JAN 2018 08:21:08

Highest Channel / 1.4MHz / QPSK



Date: 5 JAN 2018 08:24:54

Highest Channel / 1.4MHz / 16QAM

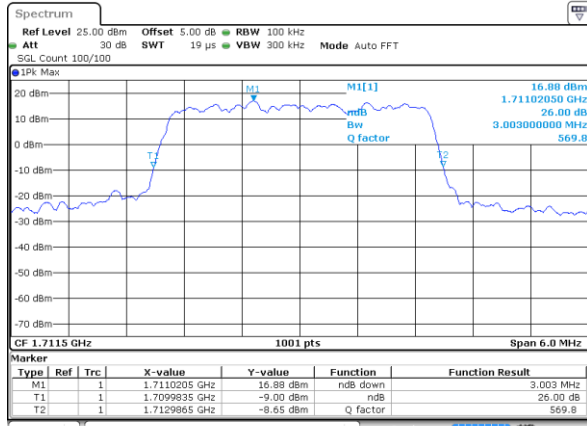


Date: 5 JAN 2018 08:25:18



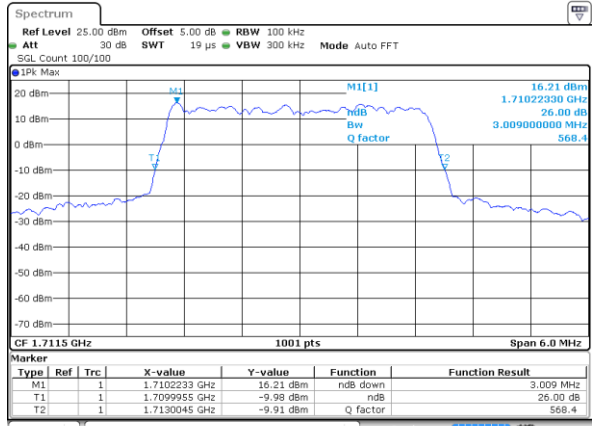
LTE Band 66

Lowest Channel / 3MHz / QPSK



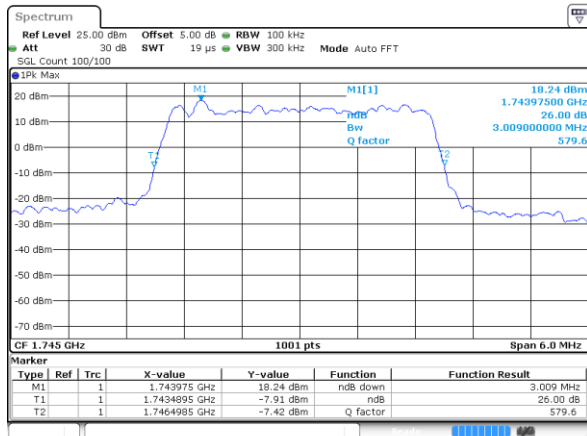
Date: 5 JAN 2018 08:35:23

Lowest Channel / 3MHz / 16QAM



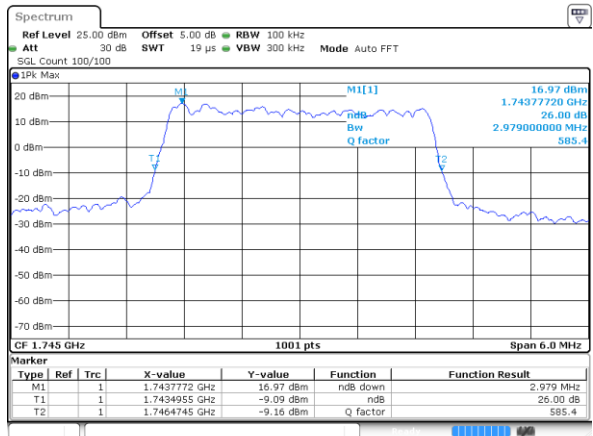
Date: 5 JAN 2018 08:35:51

Middle Channel / 3MHz / QPSK



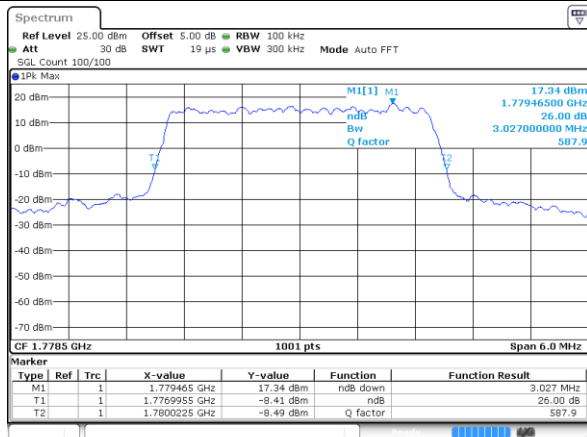
Date: 5 JAN 2018 08:43:23

Middle Channel / 3MHz / 16QAM



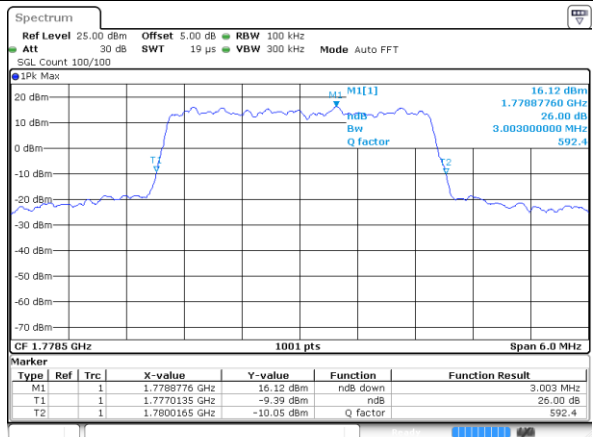
Date: 5 JAN 2018 08:43:55

Highest Channel / 3MHz / QPSK



Date: 5 JAN 2018 08:46:55

Highest Channel / 3MHz / 16QAM

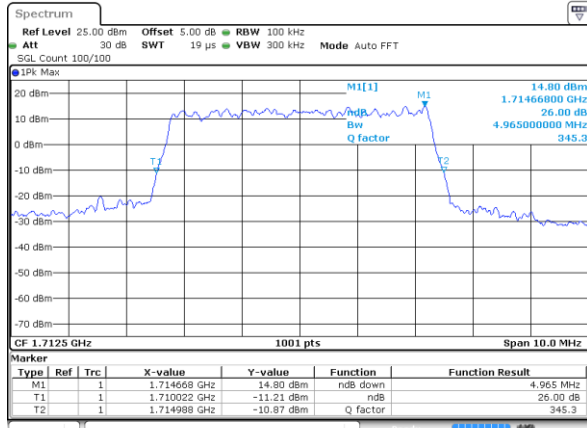


Date: 5 JAN 2018 08:47:21



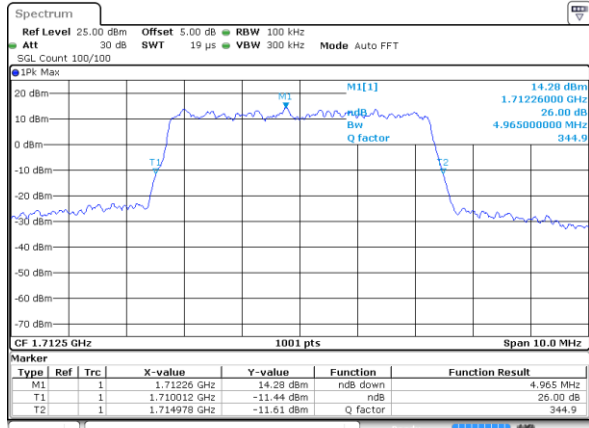
LTE Band 66

Lowest Channel / 5MHz / QPSK



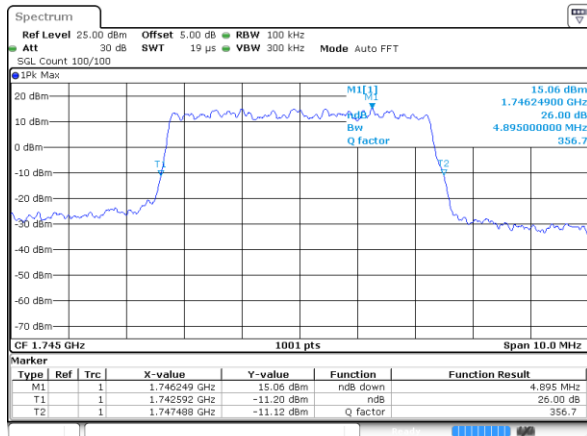
Date: 5 JAN 2018 08:54:31

Lowest Channel / 5MHz / 16QAM



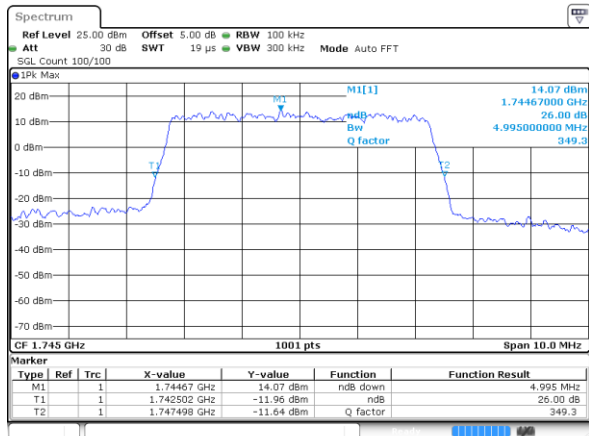
Date: 5 JAN 2018 08:54:57

Middle Channel / 5MHz / QPSK



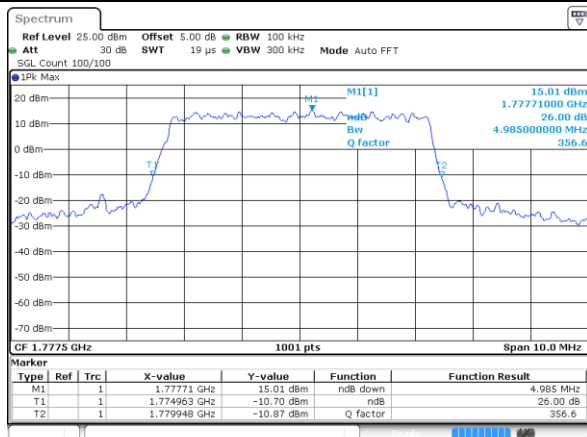
Date: 5 JAN 2018 09:00:46

Middle Channel / 5MHz / 16QAM



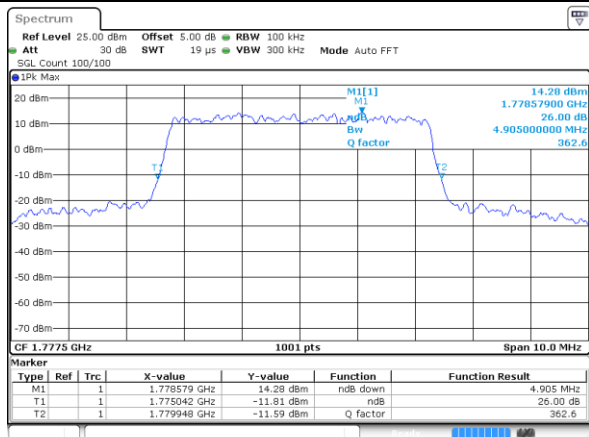
Date: 5 JAN 2018 09:01:12

Highest Channel / 5MHz / QPSK



Date: 5 JAN 2018 09:03:37

Highest Channel / 5MHz / 16QAM

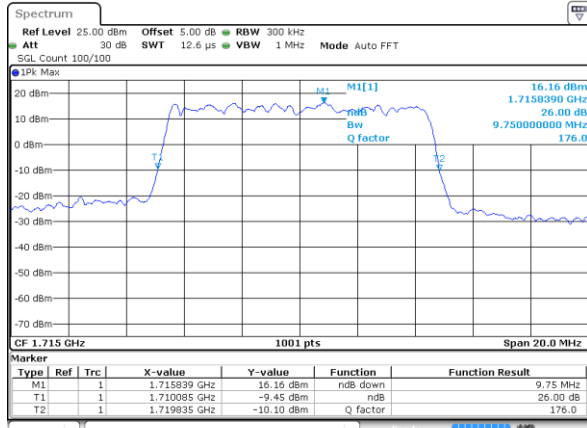


Date: 5 JAN 2018 09:03:58



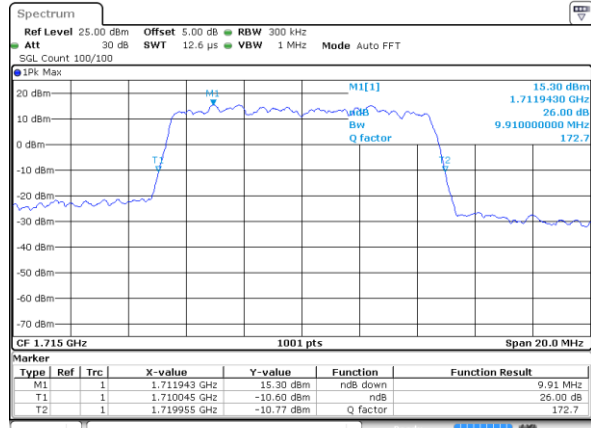
LTE Band 66

Lowest Channel / 10MHz / QPSK



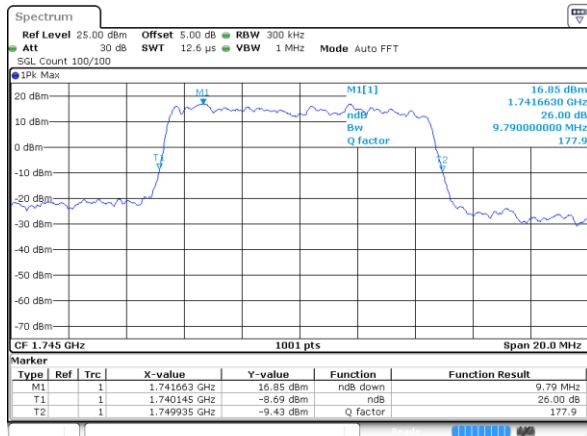
Date: 5 JAN 2018 09:09:52

Lowest Channel / 10MHz / 16QAM



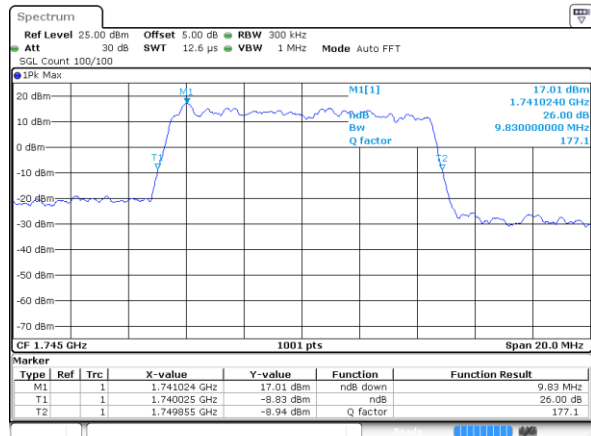
Date: 5 JAN 2018 09:10:11

Middle Channel / 10MHz / QPSK



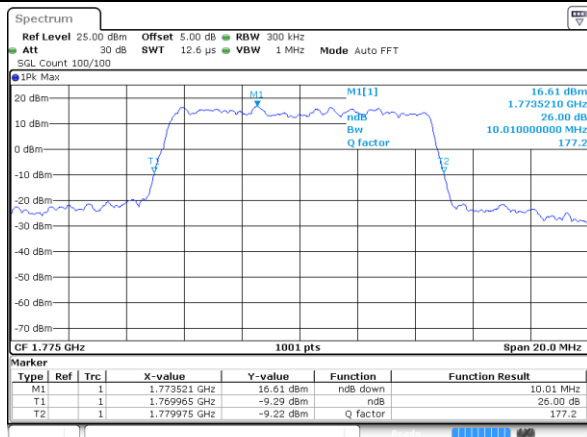
Date: 5 JAN 2018 09:13:42

Middle Channel / 10MHz / 16QAM



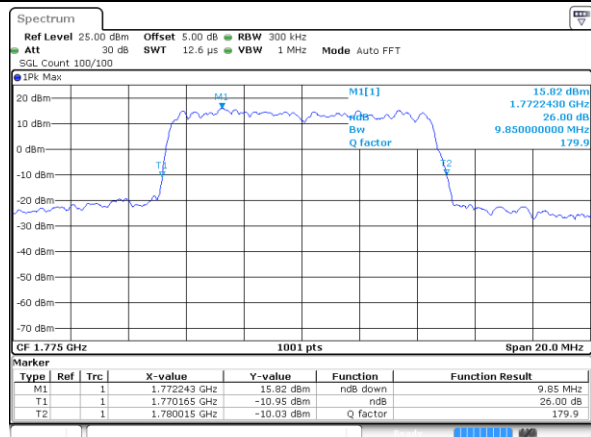
Date: 5 JAN 2018 09:14:07

Highest Channel / 10MHz / QPSK



Date: 5 JAN 2018 09:17:43

Highest Channel / 10MHz / 16QAM

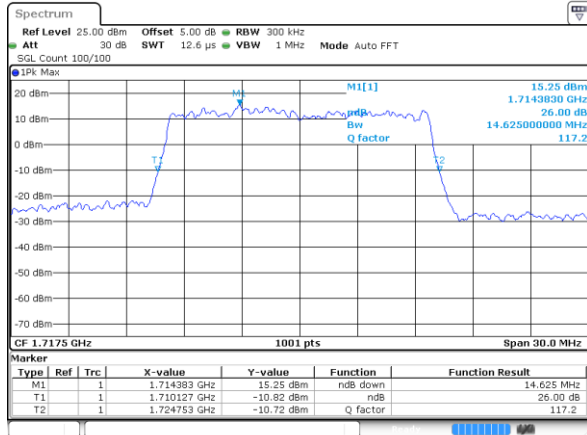


Date: 5 JAN 2018 09:18:06



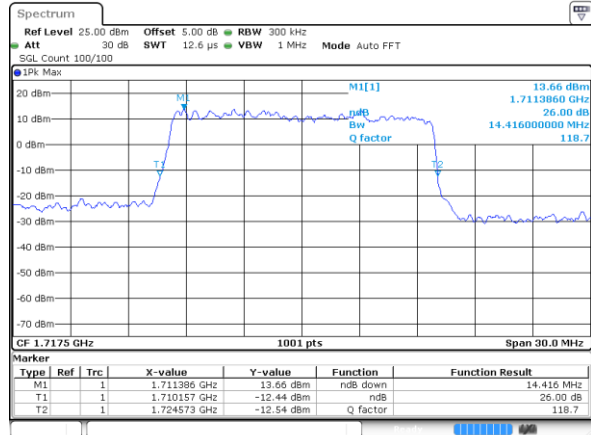
LTE Band 66

Lowest Channel / 15MHz / QPSK



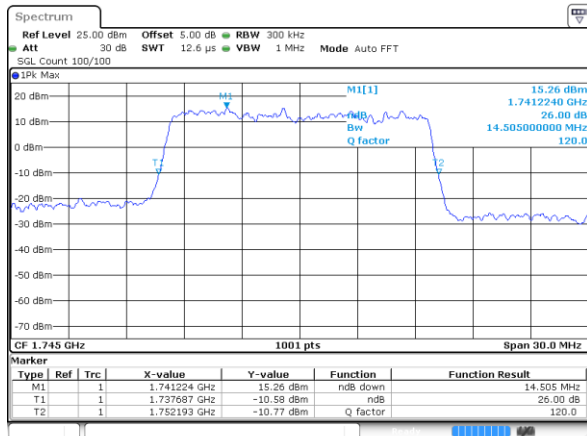
Date: 5 JAN 2018 09:24:31

Lowest Channel / 15MHz / 16QAM



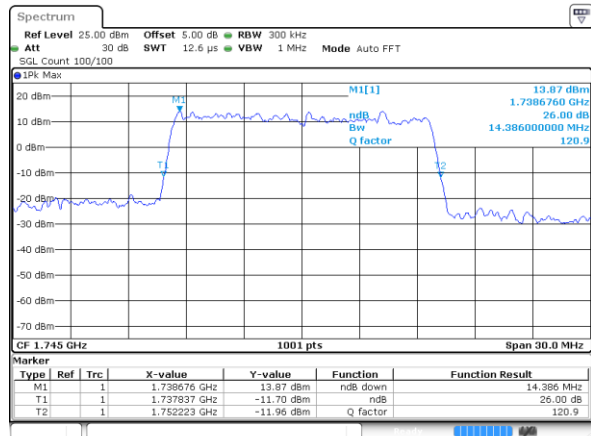
Date: 5 JAN 2018 09:24:54

Middle Channel / 15MHz / QPSK



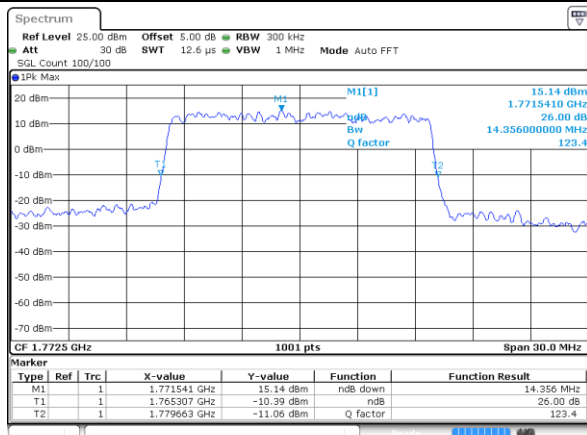
Date: 5 JAN 2018 09:30:02

Middle Channel / 15MHz / 16QAM



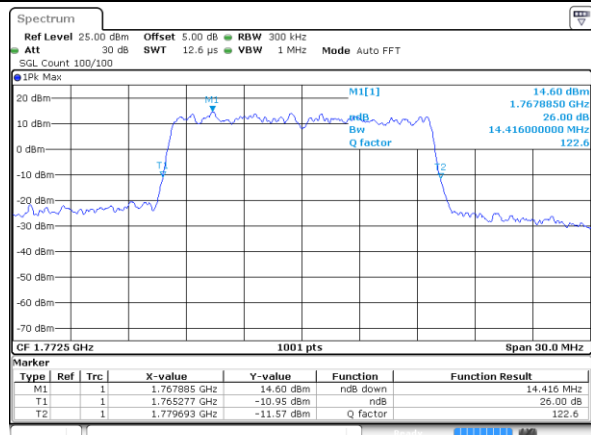
Date: 5 JAN 2018 09:31:17

Highest Channel / 15MHz / QPSK



Date: 5 JAN 2018 09:33:56

Highest Channel / 15MHz / 16QAM

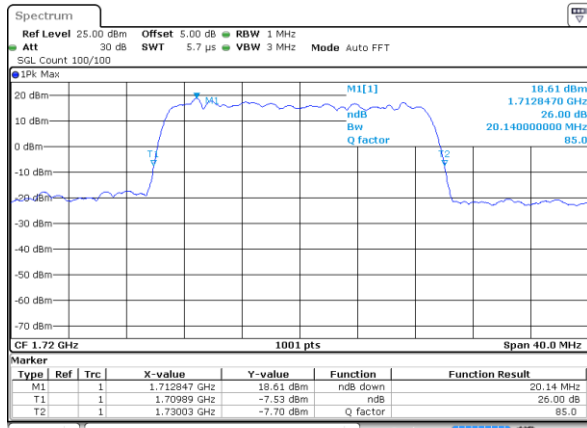


Date: 5 JAN 2018 09:34:18



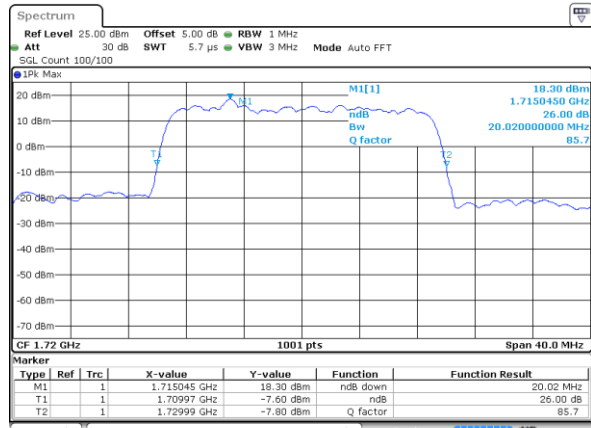
LTE Band 66

Lowest Channel / 20MHz / QPSK



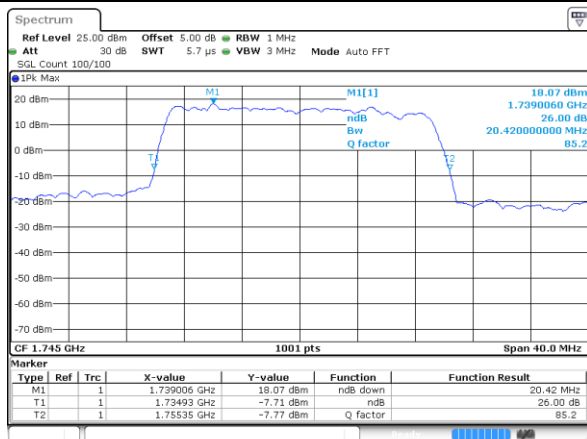
Date: 5 JAN 2018 09:41:56

Lowest Channel / 20MHz / 16QAM



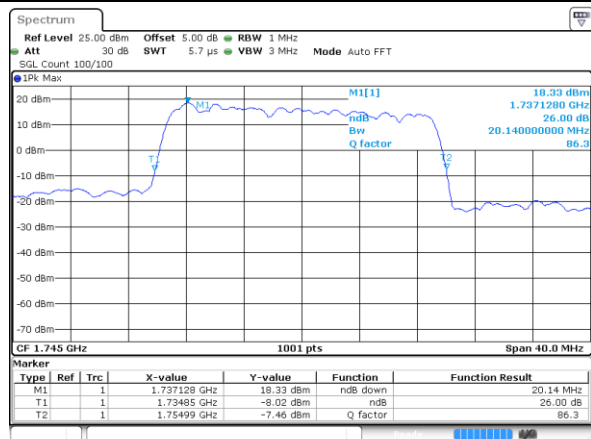
Date: 5 JAN 2018 09:41:26

Middle Channel / 20MHz / QPSK



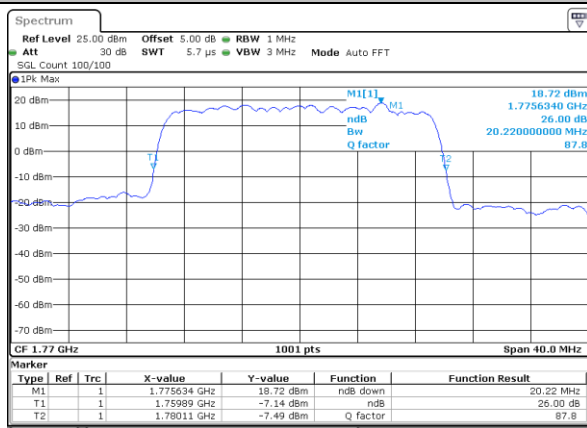
Date: 5 JAN 2018 09:50:23

Middle Channel / 20MHz / 16QAM



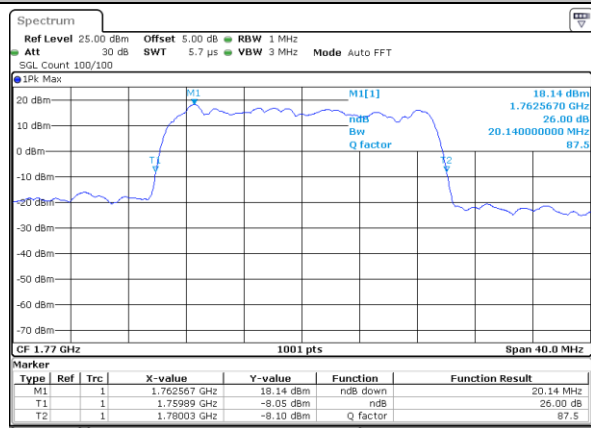
Date: 5 JAN 2018 09:49:38

Highest Channel / 20MHz / QPSK



Date: 5 JAN 2018 09:54:18

Highest Channel / 20MHz / 16QAM

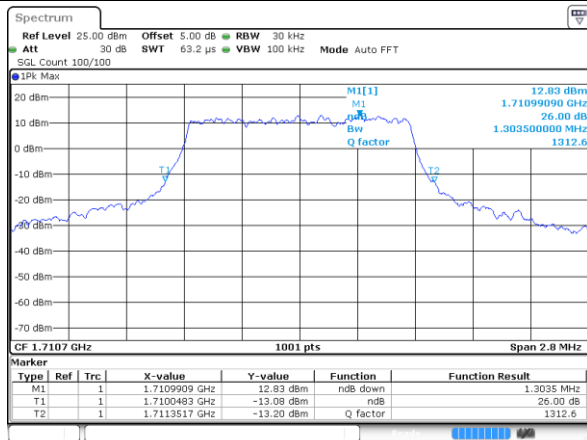


Date: 5 JAN 2018 09:57:17



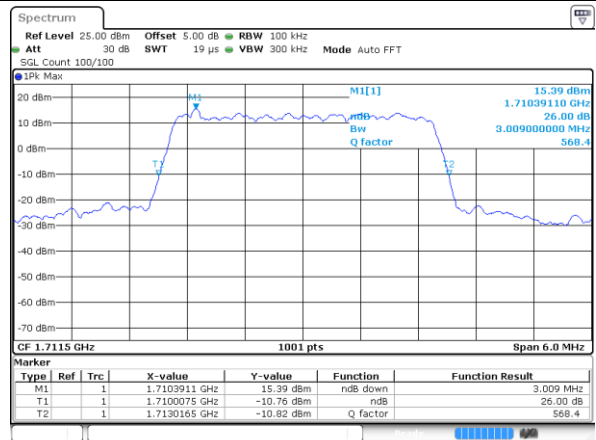
LTE Band 66

Lowest Channel / 1.4MHz / 64QAM



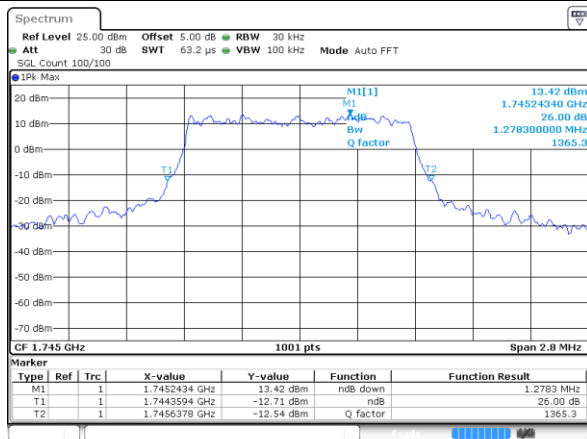
Date: 5 JAN 2018 10:19:06

Lowest Channel / 3MHz / 64QAM



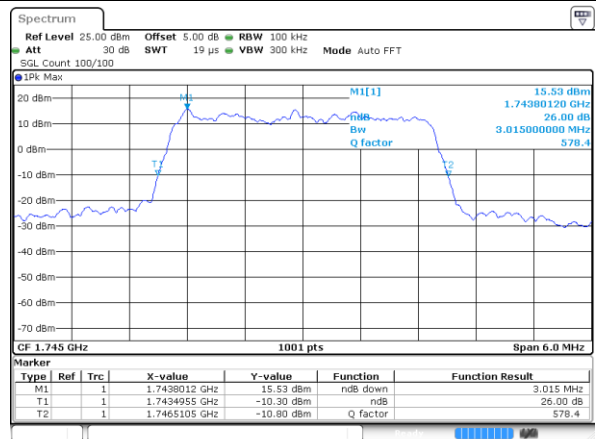
Date: 5 JAN 2018 10:33:24

Middle Channel / 1.4MHz / 64QAM



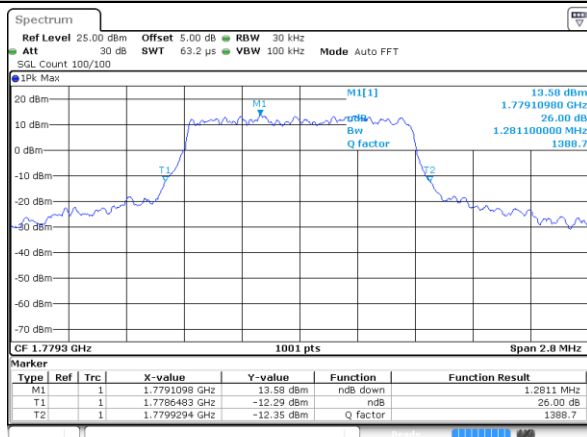
Date: 5 JAN 2018 10:24:30

Middle Channel / 3MHz / 64QAM



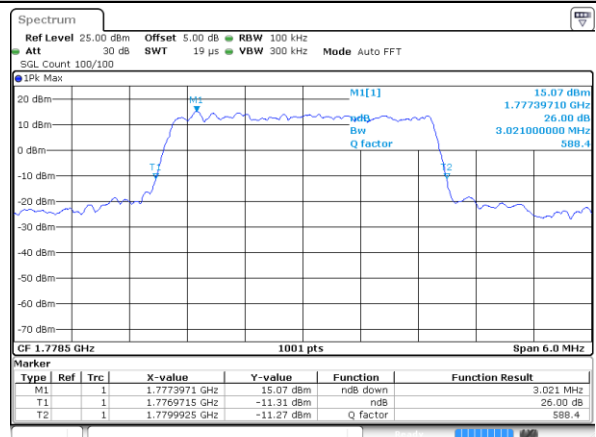
Date: 5 JAN 2018 10:39:11

Highest Channel / 1.4MHz / 64QAM



Date: 5 JAN 2018 10:26:22

Highest Channel / 3MHz / 64QAM

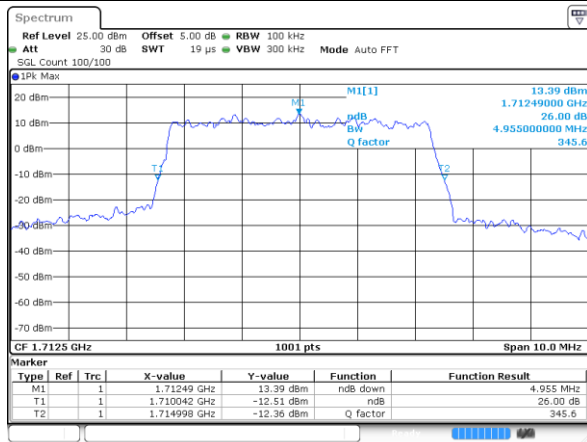


Date: 5 JAN 2018 10:41:04



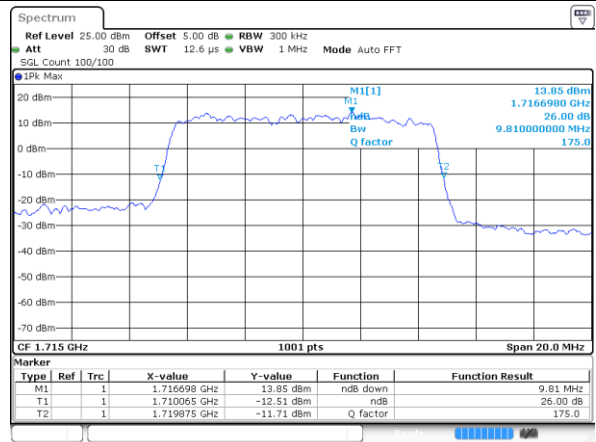
LTE Band 66

Lowest Channel / 5MHz / 64QAM



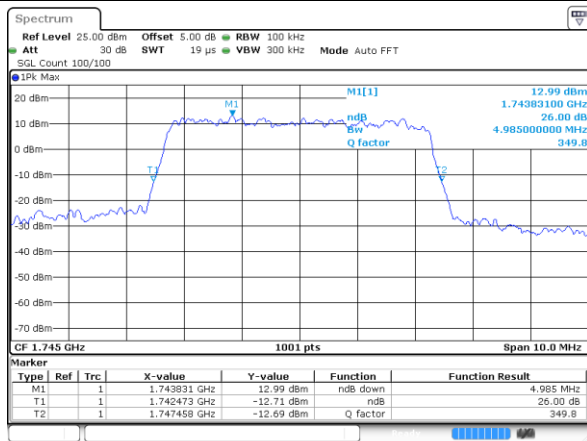
Date: 5 JAN 2018 10:46:11

Lowest Channel / 10MHz / 64QAM



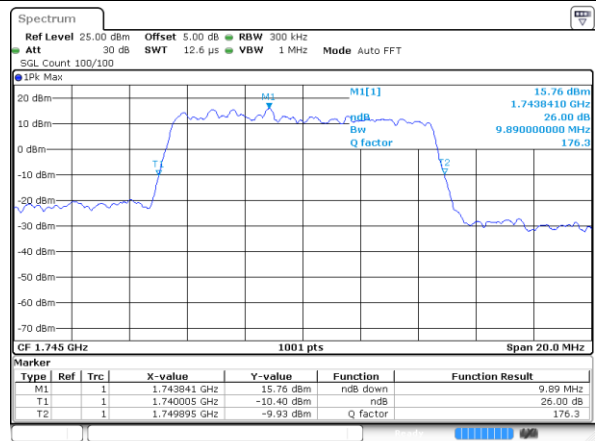
Date: 5 JAN 2018 12:45:33

Middle Channel / 5MHz / 64QAM



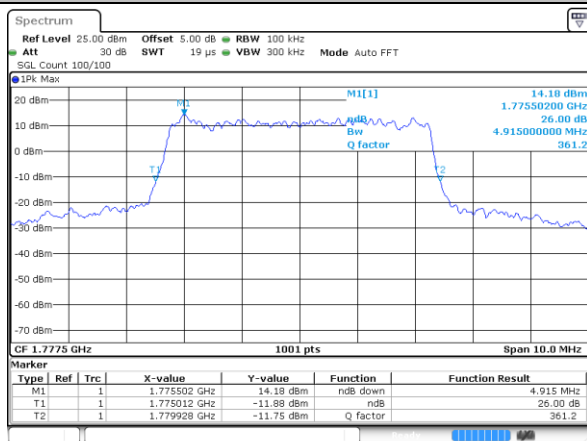
Date: 5 JAN 2018 10:51:46

Middle Channel / 10MHz / 64QAM



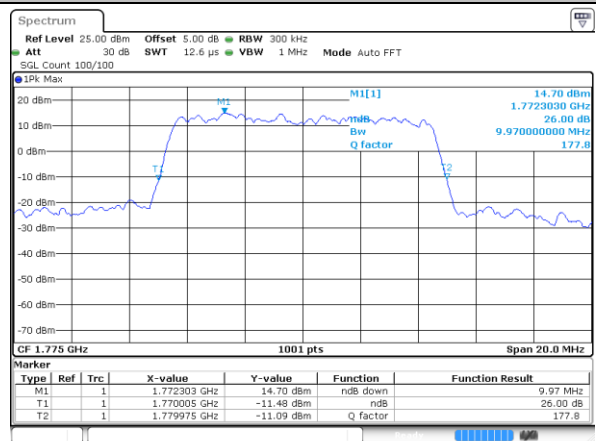
Date: 5 JAN 2018 12:50:52

Highest Channel / 5MHz / 64QAM



Date: 5 JAN 2018 12:39:48

Highest Channel / 10MHz / 64QAM

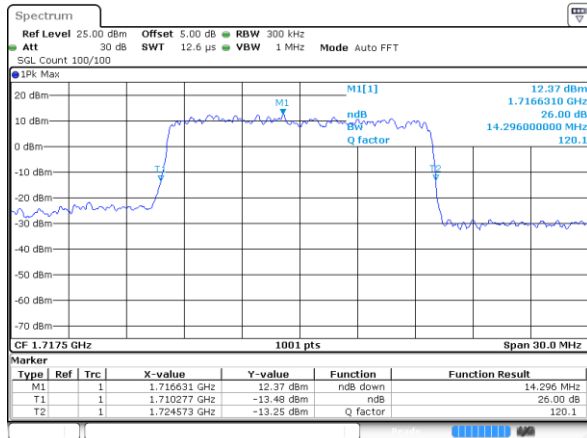


Date: 5 JAN 2018 12:52:00



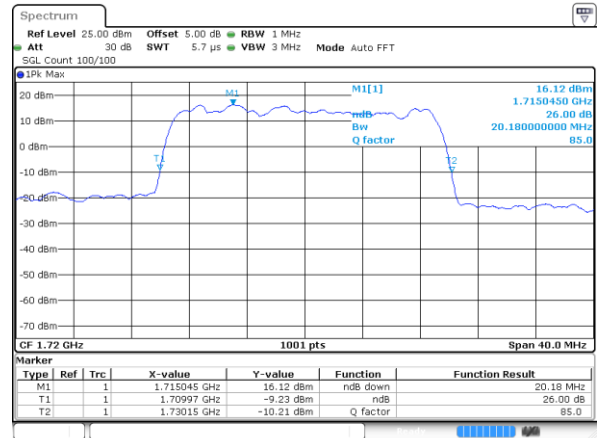
LTE Band 66

Lowest Channel / 15MHz / 64QAM



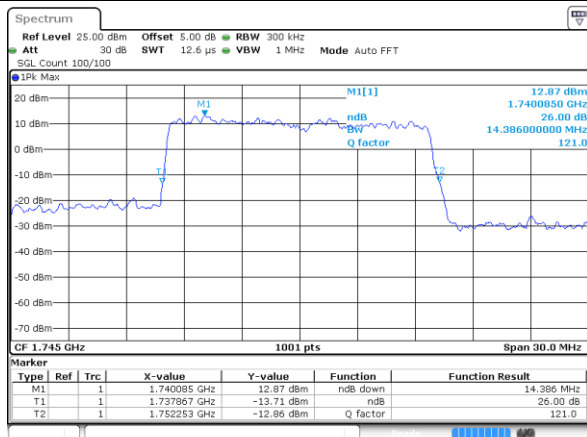
Date: 5 JAN 2018 12:55:25

Lowest Channel / 20MHz / 64QAM



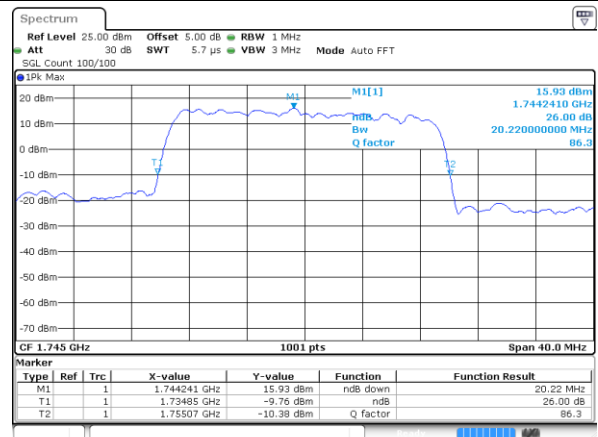
Date: 5 JAN 2018 13:04:09

Middle Channel / 15MHz / 64QAM



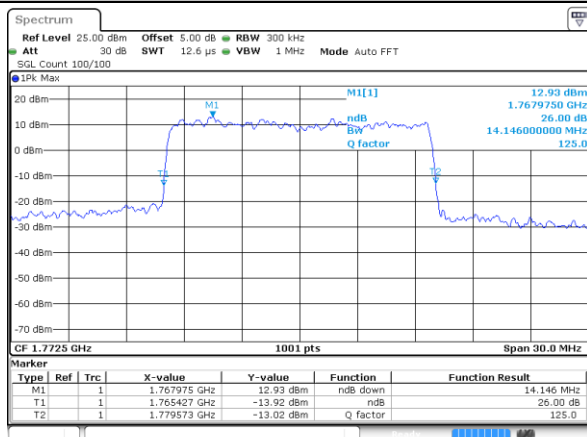
Date: 5 JAN 2018 12:58:54

Middle Channel / 20MHz / 64QAM



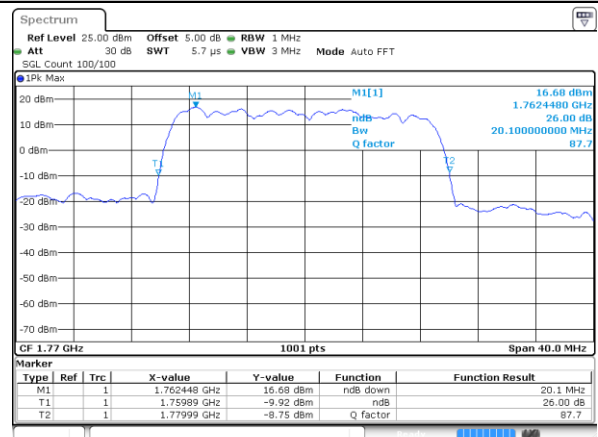
Date: 5 JAN 2018 13:06:36

Highest Channel / 15MHz / 64QAM



Date: 5 JAN 2018 13:01:34

Highest Channel / 20MHz / 64QAM



Date: 5 JAN 2018 13:08:58



Occupied Bandwidth

Mode	LTE Band 2 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.10	1.10	2.72	2.70	4.50	4.51	9.05	9.05	13.46	13.52	18.26	18.54
Middle CH	1.09	1.09	2.72	2.74	4.47	4.49	9.05	9.07	13.46	13.49	18.50	18.50
Highest CH	1.09	1.09	2.72	2.72	4.49	4.48	9.01	9.01	13.49	13.46	18.30	18.54
BW	1.4MHz	3MHz	5MHz	10MHz	15MHz	20MHz						
Mod.	64QAM	64QAM	64QAM	64QAM	64QAM	64QAM						
Lowest CH	1.09	2.73	4.50	9.03	13.52	18.42						
Middle CH	1.09	2.72	4.51	9.07	13.46	18.54						
Highest CH	1.10	2.72	4.52	9.03	13.43	18.50						

Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.10	2.72	2.72	4.49	4.50	9.15	9.03	13.46	13.40	18.38	18.46
Middle CH	1.09	1.09	2.72	2.73	4.50	4.49	9.03	9.03	13.46	13.46	18.38	18.38
Highest CH	1.09	1.10	2.71	2.71	4.50	4.45	9.05	9.03	13.46	13.43	18.30	18.50
BW	1.4MHz	3MHz	5MHz	10MHz	15MHz	20MHz						
Mod.	64QAM	64QAM	64QAM	64QAM	64QAM	64QAM						
Lowest CH	1.09	2.72	4.49	9.01	13.40	18.58						
Middle CH	1.10	2.73	4.50	9.01	13.46	18.26						
Highest CH	1.08	2.73	4.49	9.11	13.49	18.50						

Mode	LTE Band 5 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		1.4MHz	3MHz	5MHz	10MHz
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM	64QAM	64QAM
Lowest CH	1.10	1.09	2.72	2.76	4.50	4.51	9.03	9.05	1.09	2.72	4.50	9.03
Middle CH	1.09	1.10	2.72	2.72	4.49	4.49	9.03	8.99	1.09	2.71	4.51	9.07
Highest CH	1.09	1.09	2.70	2.72	4.50	4.50	9.03	9.03	1.10	2.73	4.49	9.05



Mode	LTE Band 7 : 99%OBW(MHz)											
BW	5MHz		10MHz		15MHz		20MHz		5MHz	10MHz	15MHz	20MHz
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM	64QAM	64QAM
Lowest CH	4.51	4.51	9.11	9.01	13.55	13.49	18.42	18.54	4.49	8.99	13.43	18.38
Middle CH	4.50	4.50	9.05	9.03	13.40	13.52	18.30	18.42	4.46	9.01	13.43	18.46
Highest CH	4.47	4.48	9.01	8.99	13.40	13.49	18.34	18.38	4.50	8.95	13.46	18.42

Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		1.4MHz	3MHz	5MHz	10MHz
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM	64QAM	64QAM
Lowest CH	1.09	1.10	2.73	2.73	4.50	4.50	9.01	8.99	1.09	2.72	4.49	9.03
Middle CH	1.10	1.09	2.72	2.71	4.49	4.49	8.99	8.97	1.09	2.72	4.48	9.13
Highest CH	1.09	1.10	2.74	2.73	4.49	4.49	9.05	9.03	1.10	2.73	4.50	9.01

Mode	LTE Band 13 : 99%OBW(MHz)											
BW	5MHz		10MHz		5MHz	10MHz						
Mod.	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM						
Lowest CH	4.49	4.48	-	-	4.51	-						
Middle CH	4.49	4.49	9.07	9.01	4.47	9.03						
Highest CH	4.51	4.51	-	-	4.49	-						

Mode	LTE Band 17 : 99%OBW(MHz)											
BW	5MHz		10MHz		5MHz	10MHz						
Mod.	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM						
Lowest CH	4.50	4.49	9.03	9.01	4.47	8.99						
Middle CH	4.49	4.48	9.01	8.95	4.49	8.99						
Highest CH	4.49	4.48	9.03	8.99	4.47	9.01						



Mode	LTE Band 25 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.72	2.72	4.50	4.49	9.03	9.03	13.46	13.46	18.30	18.34
Middle CH	1.09	1.10	2.73	2.71	4.48	4.50	9.05	9.01	13.46	13.43	18.46	18.50
Highest CH	1.11	1.09	2.70	2.73	4.48	4.49	8.97	8.93	13.43	13.43	18.30	18.38
BW	1.4MHz	3MHz	5MHz	10MHz	15MHz	20MHz						
Mod.	64QAM	64QAM	64QAM	64QAM	64QAM	64QAM						
Lowest CH	1.09	2.74	4.50	9.07	13.46	18.38						
Middle CH	1.09	2.72	4.51	9.07	13.43	18.46						
Highest CH	1.09	2.71	4.50	9.10	13.46	18.58						

Mode	LTE Band 26 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		CH26765	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.72	2.73	4.50	4.49	9.03	9.05	13.58	13.43	13.37	13.40
Middle CH	1.10	1.09	2.70	2.72	4.50	4.50	9.03	8.99	13.43	13.43	-	-
Highest CH	1.09	1.09	2.74	2.74	4.50	4.48	9.07	9.05	13.43	13.52	-	-
BW	1.4MHz	3MHz	5MHz	10MHz	15MHz	CH26765						
Mod.	64QAM	64QAM	64QAM	64QAM	64QAM	64QAM						
Lowest CH	1.09	2.72	4.50	9.05	13.43	13.43						
Middle CH	1.10	2.73	4.49	9.01	13.46	-						
Highest CH	1.10	2.73	4.51	9.03	13.46	-						

Mode	LTE Band 38 : 99%OBW(MHz)											
BW	5MHz		10MHz		15MHz		20MHz		5MHz	10MHz	15MHz	20MHz
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM	64QAM	64QAM
Lowest CH	4.51	4.50	8.99	8.97	13.49	13.40	18.42	18.26	4.48	9.01	13.40	18.38
Middle CH	4.49	4.49	8.97	9.03	13.43	13.43	18.46	18.42	4.46	9.01	13.40	18.38
Highest CH	4.50	4.48	9.05	9.05	13.55	13.43	18.26	18.22	4.50	9.07	13.43	18.26

Mode	LTE Band 41 : 99%OBW(MHz)											
BW	5MHz		10MHz		15MHz		20MHz		5MHz	10MHz	15MHz	20MHz
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM	64QAM	64QAM
Lowest CH	4.48	4.47	9.13	9.01	13.43	13.43	18.46	18.62	4.51	9.01	13.43	18.34
Middle CH	4.49	4.47	9.05	9.03	13.43	13.43	18.30	18.46	4.50	9.05	13.49	18.46
Highest CH	4.54	4.49	8.97	8.99	13.37	13.52	18.50	18.42	4.47	8.99	13.46	18.34

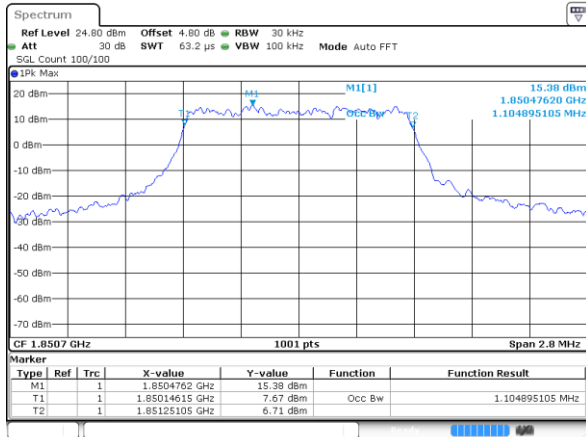


Mode	LTE Band 66 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.10	2.71	2.69	4.48	4.47	8.99	9.01	13.46	13.46	18.38	18.42
Middle CH	1.09	1.10	2.73	2.71	4.51	4.50	9.01	9.01	13.46	13.43	18.30	18.30
Highest CH	1.08	1.10	2.73	2.73	4.49	4.48	9.01	9.03	13.43	13.52	18.34	18.30
BW	1.4MHz	3MHz	5MHz	10MHz	15MHz	20MHz						
Mod.	64QAM	64QAM	64QAM	64QAM	64QAM	64QAM						
Lowest CH	1.10	2.72	4.52	9.01	13.43	18.30						
Middle CH	1.10	2.74	4.51	8.99	13.49	18.42						
Highest CH	1.09	2.70	4.51	9.01	13.46	18.46						

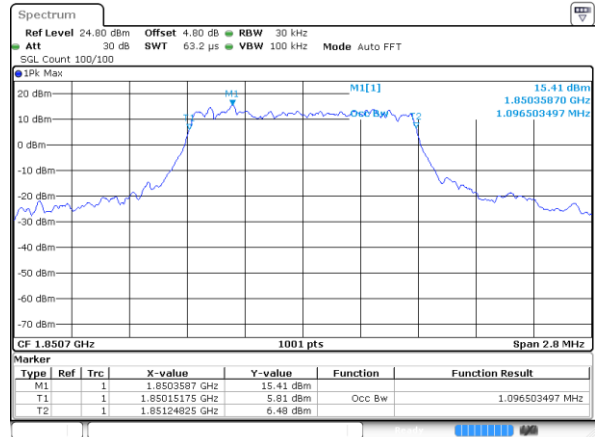


LTE Band 2

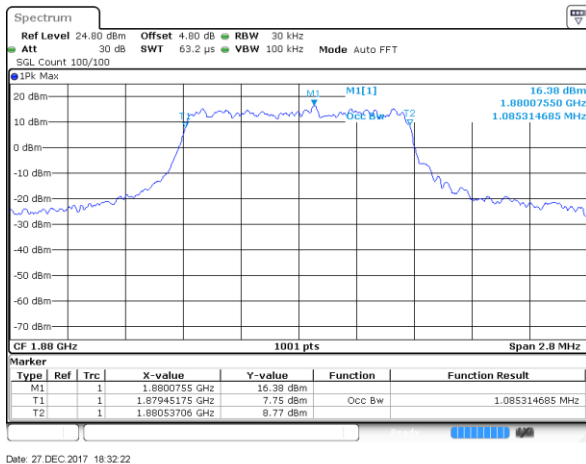
Lowest Channel / 1.4MHz / QPSK



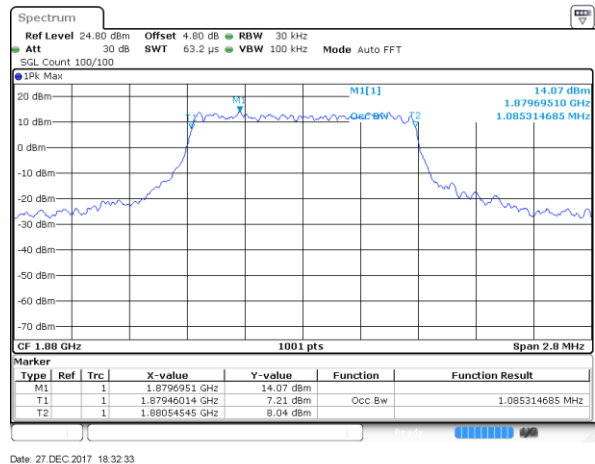
Lowest Channel / 1.4MHz / 16QAM



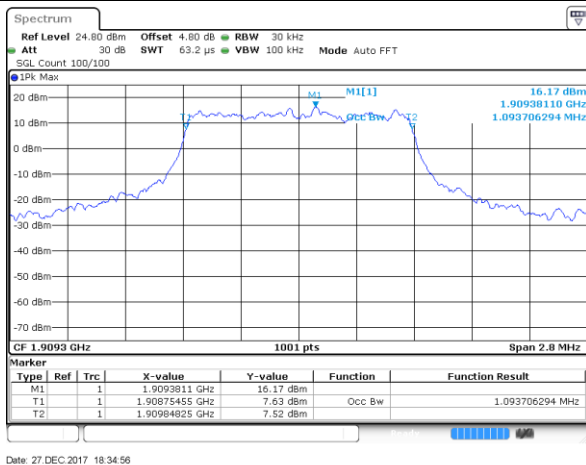
Middle Channel / 1.4MHz / QPSK



Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



Highest Channel / 1.4MHz / 16QAM

