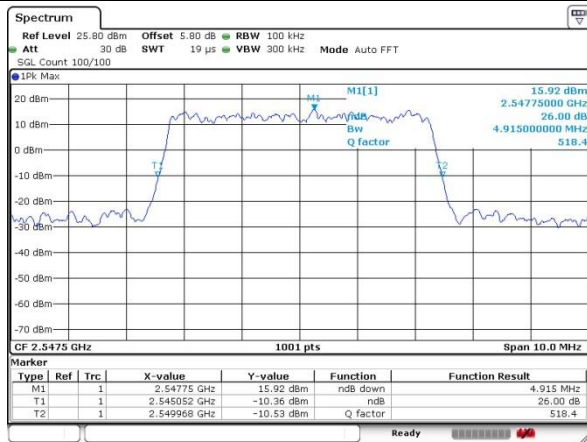




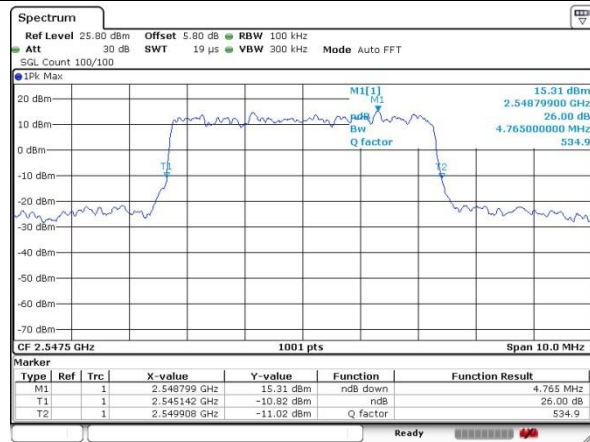
LTE Band 41

Lowest Channel / 5MHz / QPSK



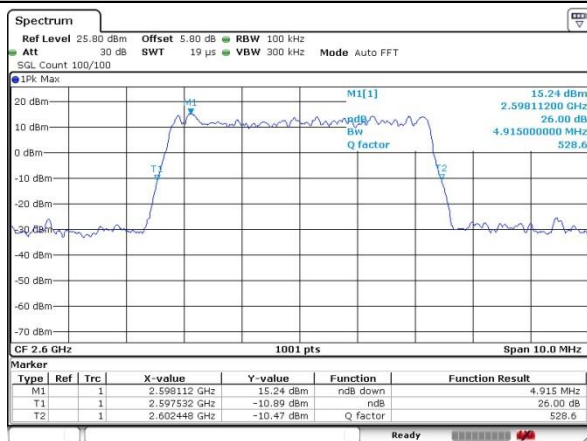
Date: 24.OCT.2018 14:56:14

Lowest Channel / 5MHz / 16QAM



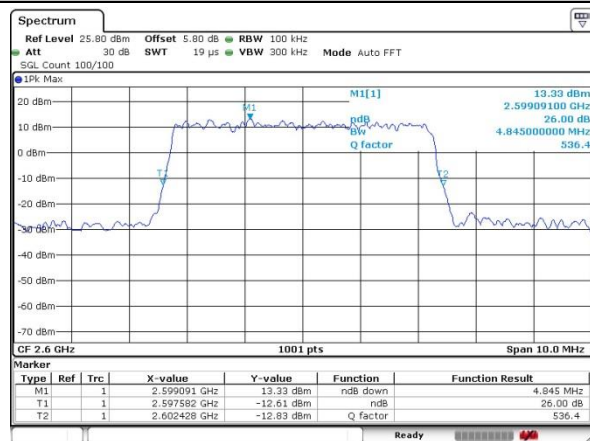
Date: 24.OCT.2018 14:55:58

Middle Channel / 5MHz / QPSK



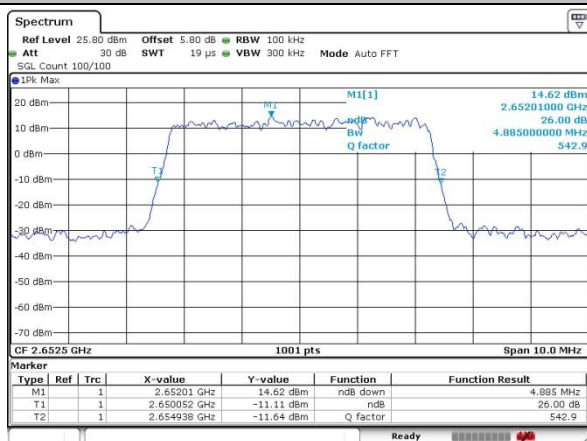
Date: 24.OCT.2018 14:54:24

Middle Channel / 5MHz / 16QAM



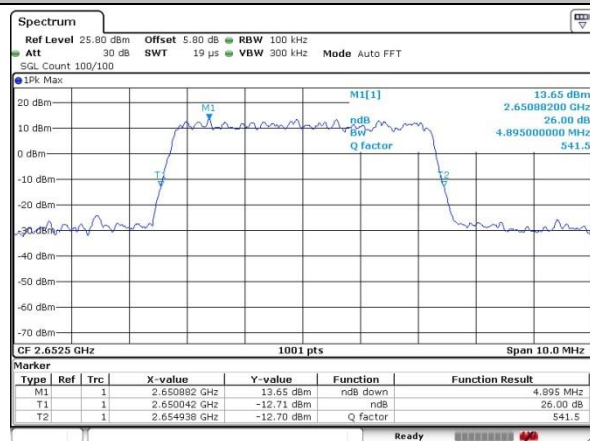
Date: 24.OCT.2018 14:54:44

Highest Channel / 5MHz / QPSK



Date: 24.OCT.2018 14:54:04

Highest Channel / 5MHz / 16QAM

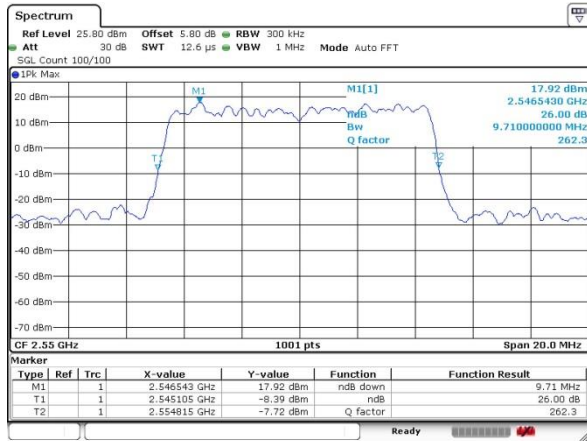


Date: 24.OCT.2018 14:53:50



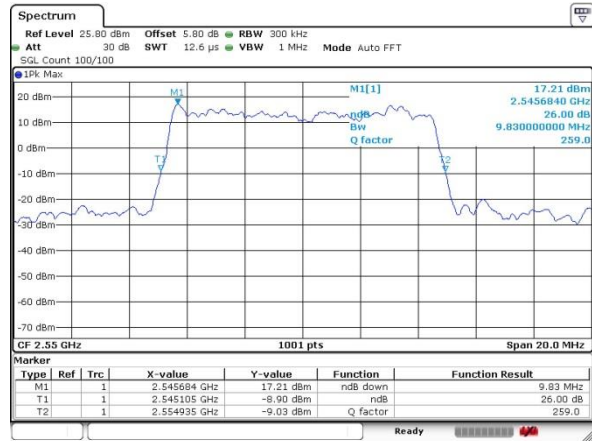
LTE Band 41

Lowest Channel / 10MHz / QPSK



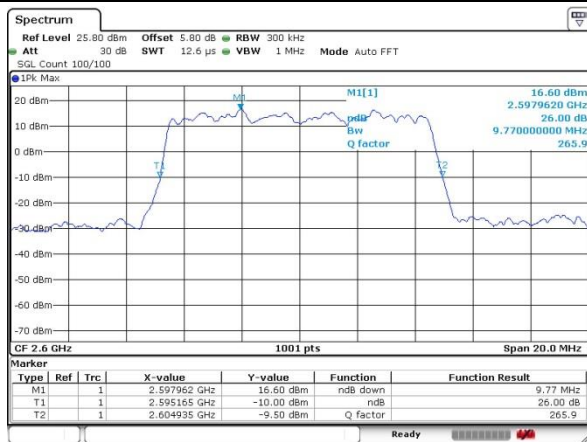
Date: 24.OCT.2018 15:04:11

Lowest Channel / 10MHz / 16QAM



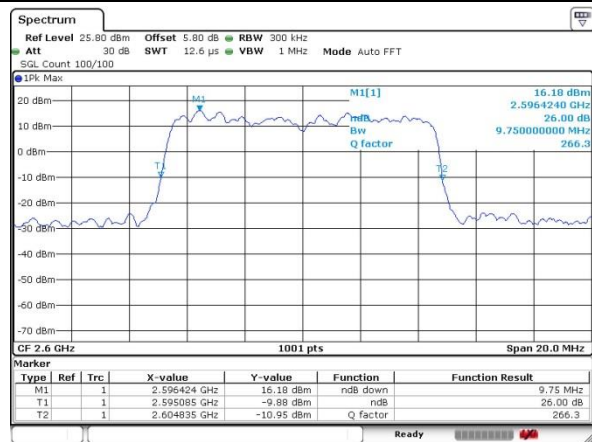
Date: 24.OCT.2018 15:03:55

Middle Channel / 10MHz / QPSK



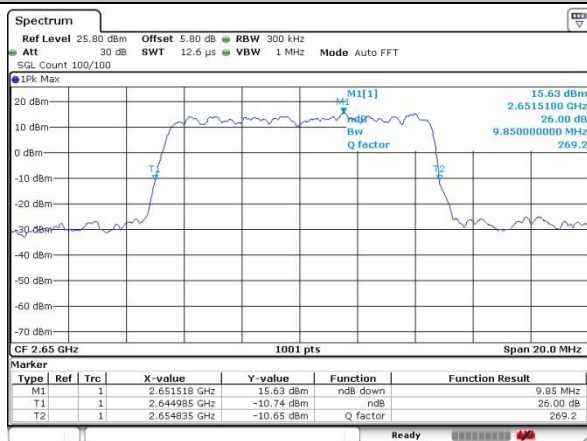
Date: 24.OCT.2018 15:02:25

Middle Channel / 10MHz / 16QAM



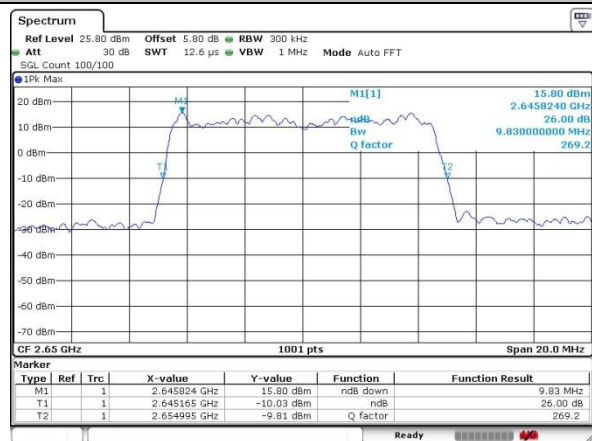
Date: 24.OCT.2018 15:02:46

Highest Channel / 10MHz / QPSK



Date: 24.OCT.2018 15:02:01

Highest Channel / 10MHz / 16QAM

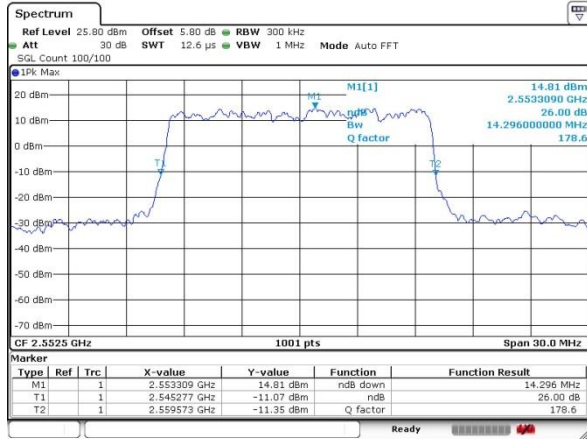


Date: 24.OCT.2018 15:01:45



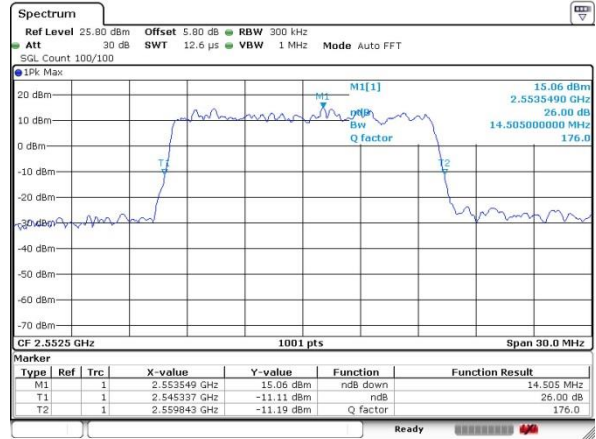
LTE Band 41

Lowest Channel / 15MHz / QPSK



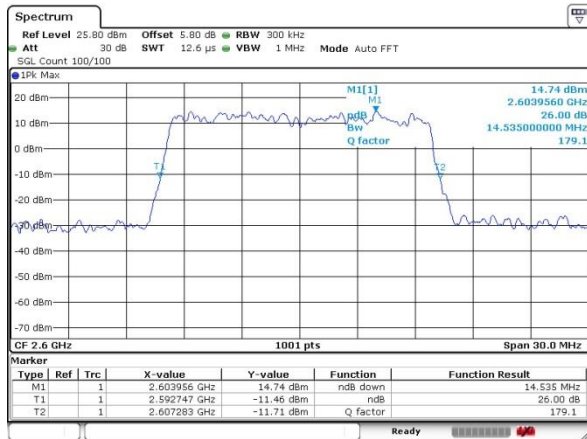
Date: 24.OCT.2018 15:13:03

Lowest Channel / 15MHz / 16QAM



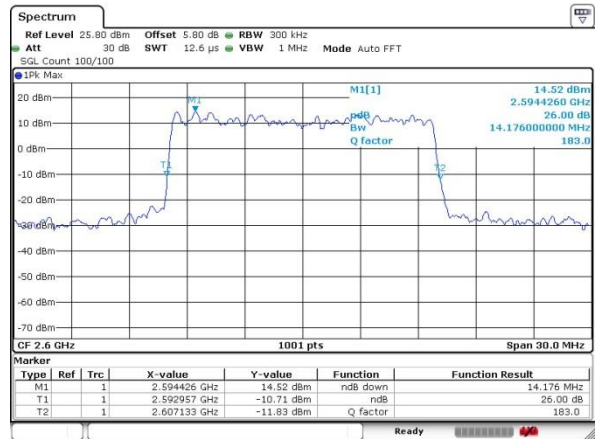
Date: 24.OCT.2018 15:12:48

Middle Channel / 15MHz / QPSK



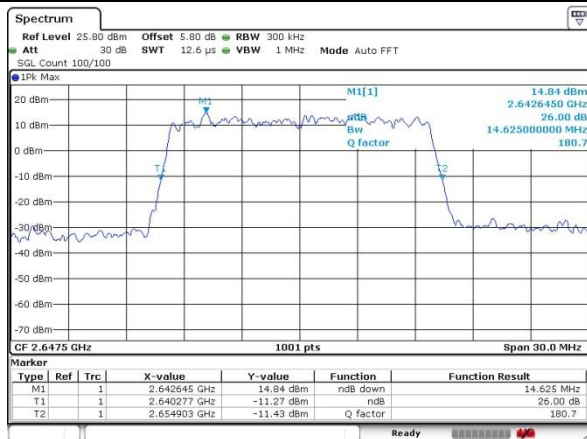
Date: 24.OCT.2018 15:11:15

Middle Channel / 15MHz / 16QAM



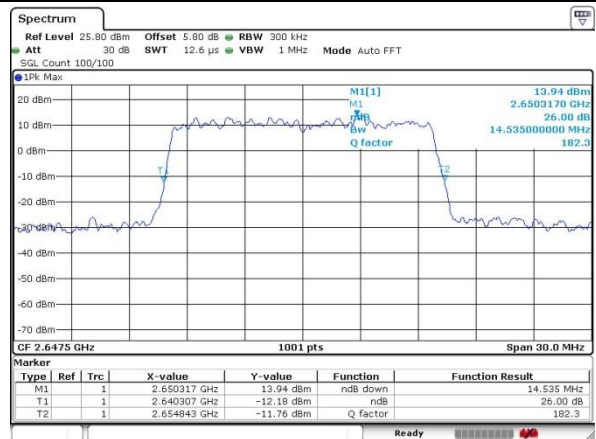
Date: 24.OCT.2018 15:11:34

Highest Channel / 15MHz / QPSK



Date: 24.OCT.2018 15:10:58

Highest Channel / 15MHz / 16QAM

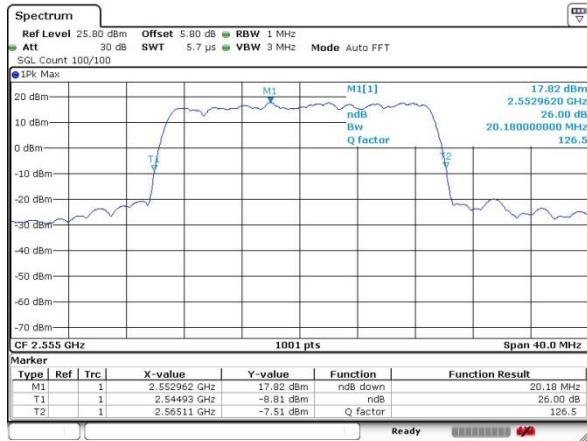


Date: 24.OCT.2018 15:10:44



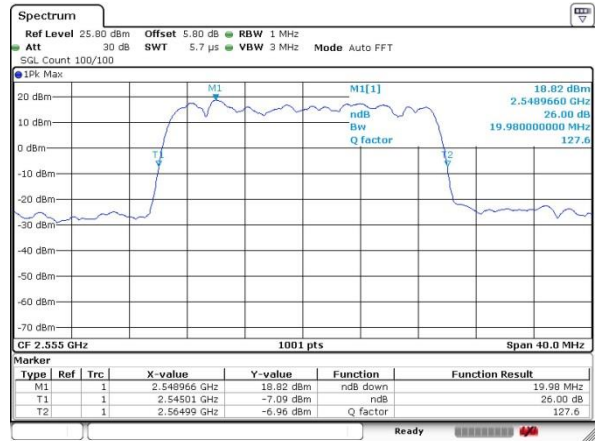
LTE Band 41

Lowest Channel / 20MHz / QPSK



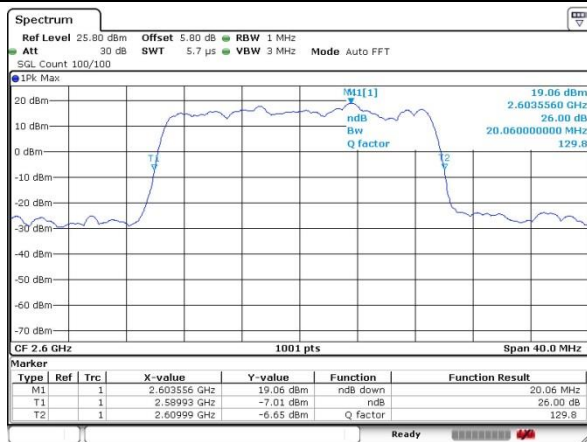
Date: 24.OCT.2018 15:31:40

Lowest Channel / 20MHz / 16QAM



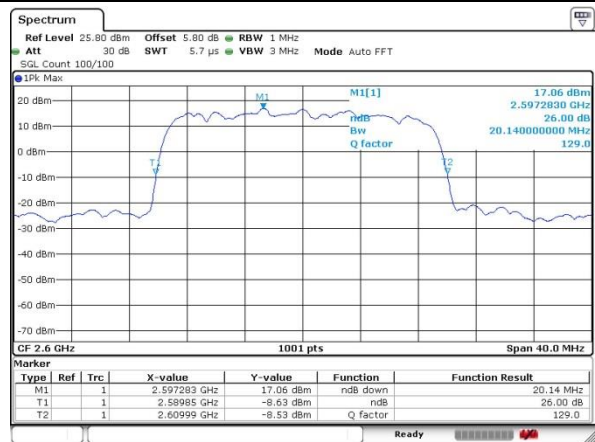
Date: 24.OCT.2018 15:31:27

Middle Channel / 20MHz / QPSK



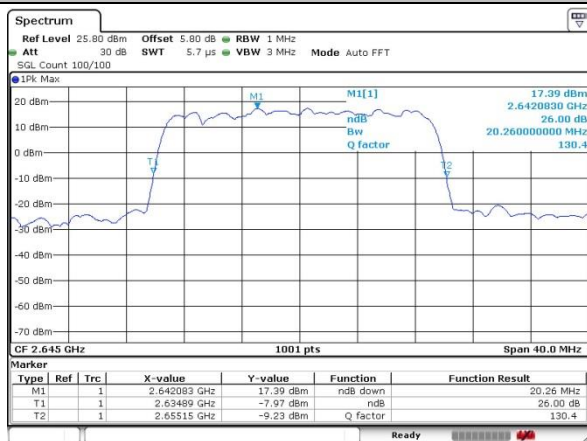
Date: 24.OCT.2018 15:30:04

Middle Channel / 20MHz / 16QAM



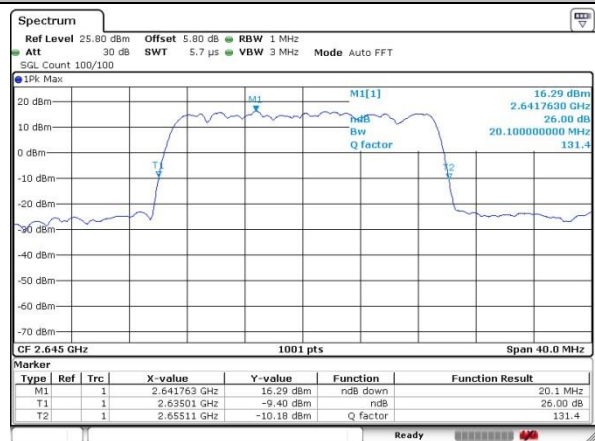
Date: 24.OCT.2018 15:30:22

Highest Channel / 20MHz / QPSK



Date: 24.OCT.2018 15:29:46

Highest Channel / 20MHz / 16QAM

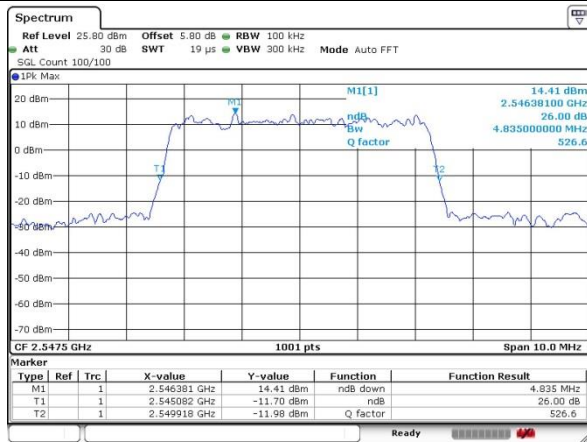


Date: 24.OCT.2018 15:29:33



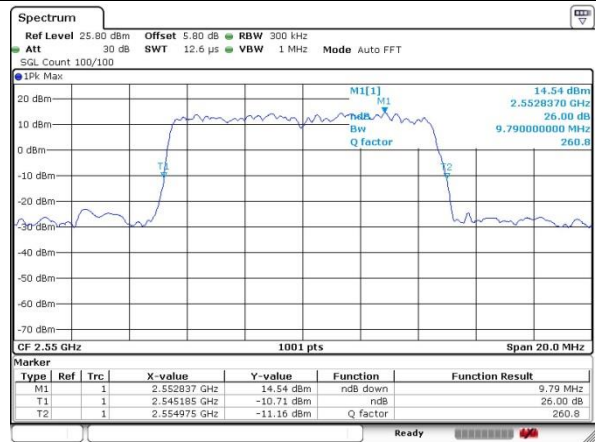
LTE Band 41

Lowest Channel / 5MHz / 64QAM



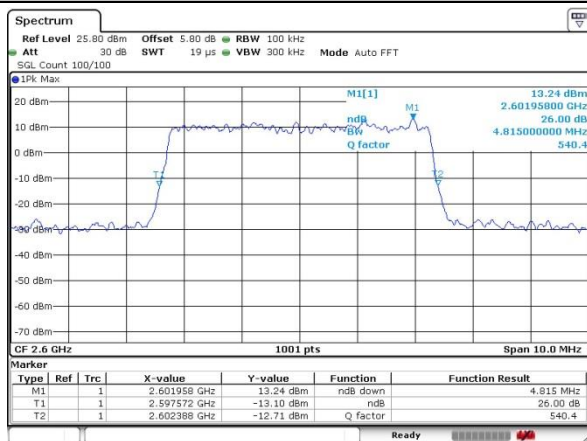
Date: 24.OCT.2018 14:55:33

Lowest Channel / 10MHz / 64QAM



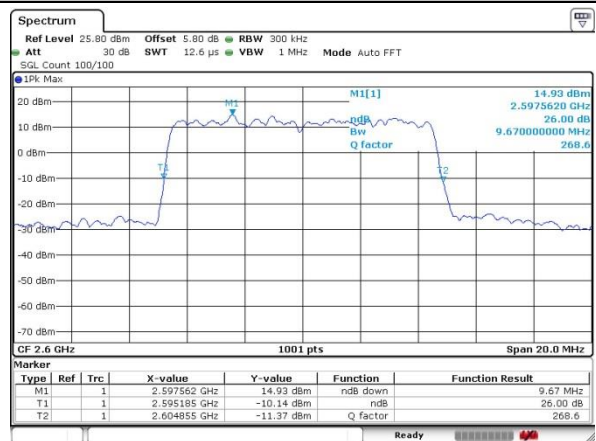
Date: 24.OCT.2018 15:03:38

Middle Channel / 5MHz / 64QAM



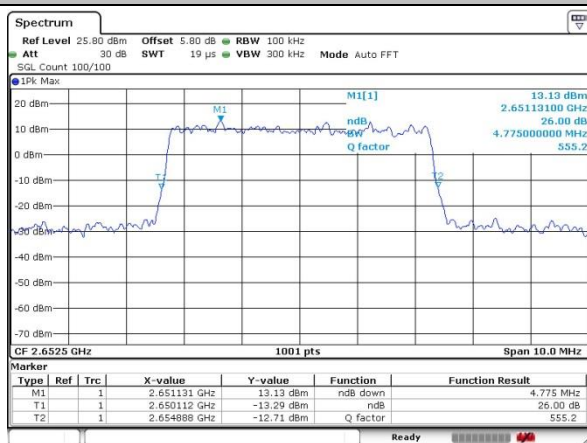
Date: 24.OCT.2018 14:55:02

Middle Channel / 10MHz / 64QAM



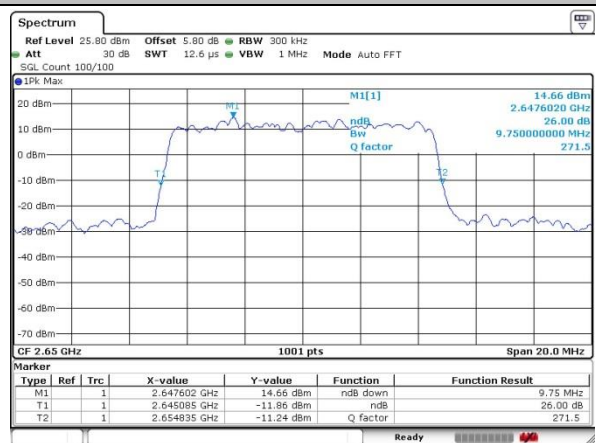
Date: 24.OCT.2018 15:03:09

Highest Channel / 5MHz / 64QAM



Date: 24.OCT.2018 14:53:26

Highest Channel / 10MHz / 64QAM

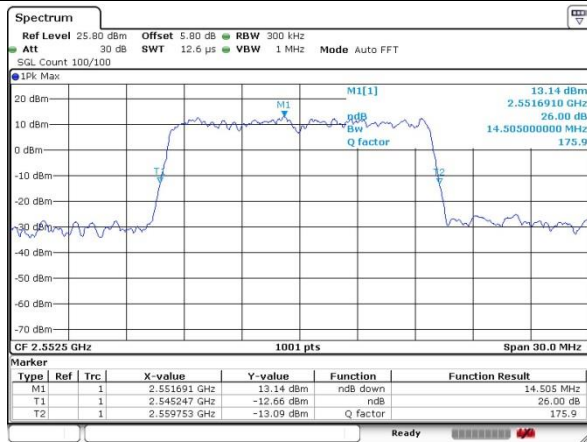


Date: 24.OCT.2018 15:01:24



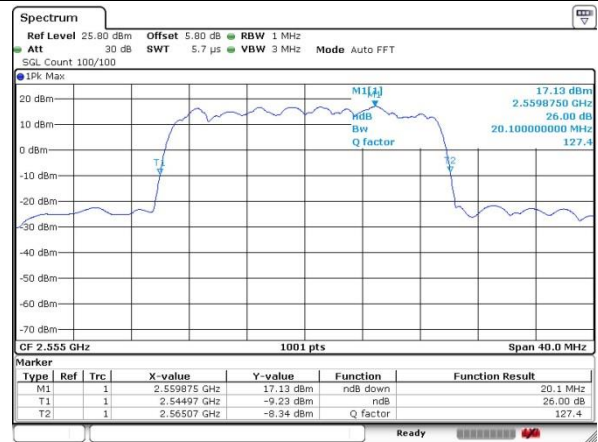
LTE Band 41

Lowest Channel / 15MHz / 64QAM



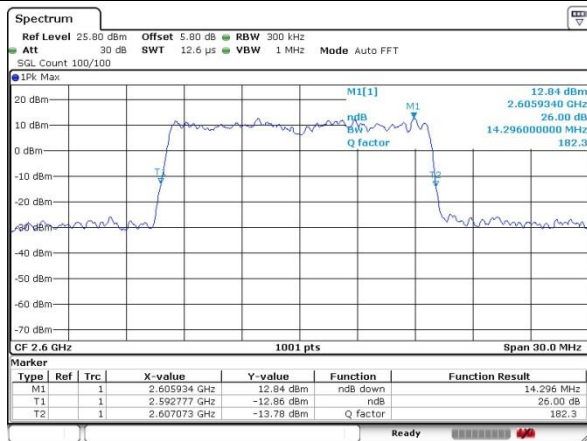
Date: 24.OCT.2018 15:12:31

Lowest Channel / 20MHz / 64QAM



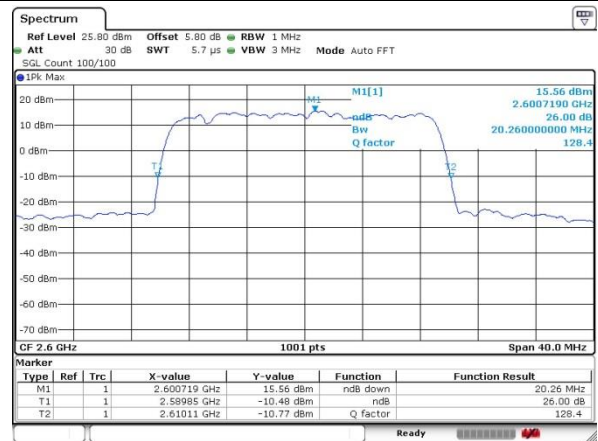
Date: 24.OCT.2018 15:31:01

Middle Channel / 15MHz / 64QAM



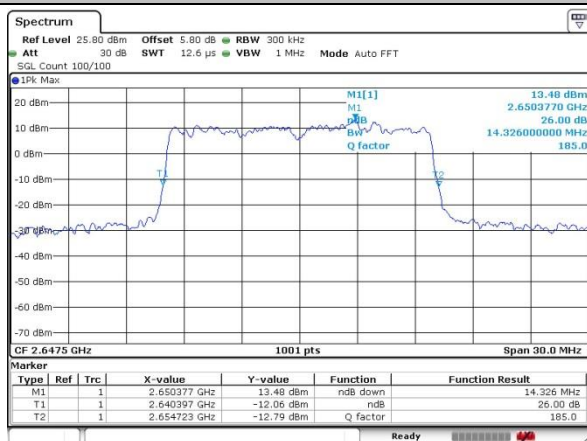
Date: 24.OCT.2018 15:11:54

Middle Channel / 20MHz / 64QAM



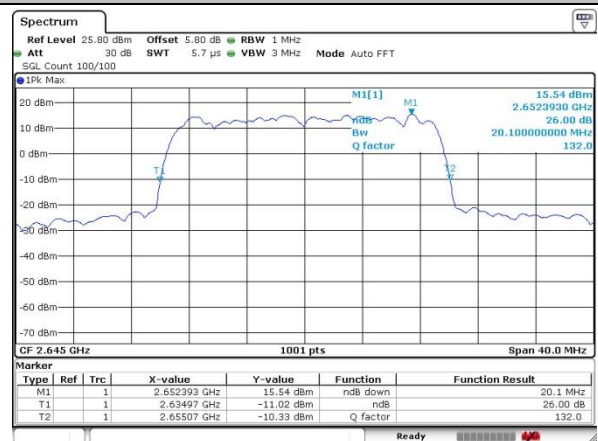
Date: 24.OCT.2018 15:30:37

Highest Channel / 15MHz / 64QAM



Date: 24.OCT.2018 15:10:26

Highest Channel / 20MHz / 64QAM



Date: 24.OCT.2018 15:29:13



Occupied Bandwidth

Mode	LTE Band 2 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.72	2.72	4.52	4.51	8.99	9.09	13.37	13.4	18.34	18.3
Middle CH	1.09	1.09	2.72	2.7	4.52	4.51	9.05	9.03	13.43	13.46	18.38	18.34
Highest CH	1.09	1.09	2.71	2.72	4.51	4.51	9.05	9.05	13.4	13.43	18.34	18.42
Mode	LTE Band 2 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.09		2.73		4.51		9.09		13.49		18.38	
Middle CH	1.09		2.73		4.50		8.99		13.42		18.50	
Highest CH	1.09		2.73		4.51		9.07		13.40		18.54	

Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.72	2.7	4.52	4.5	9.03	9.03	13.37	13.49	18.26	18.26
Middle CH	1.09	1.09	2.73	2.74	4.52	4.5	9.07	9.07	13.55	13.46	18.34	18.46
Highest CH	1.09	1.09	2.73	2.71	4.48	4.5	9.01	9.05	13.43	13.43	18.38	18.34
Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.23		2.72		4.52		9.03		13.37		18.30	
Middle CH	1.23		2.73		4.50		9.09		13.46		18.34	
Highest CH	1.22		2.72		4.49		8.97		13.46		18.38	

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	1.09	1.09	2.73	2.72	4.49	4.5	9.05	9.07	1.09	2.73	4.49	9.07
Middle CH	1.09	1.09	2.72	2.7	4.5	4.49	9.01	8.95	1.09	2.71	4.51	8.99
Highest CH	1.1	1.1	2.73	2.72	4.49	4.49	9.03	9.05	1.10	2.73	4.49	9.03



Mode	LTE Band 7 : 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	-	-	-	-	4.5	4.49	9.01	9.03	13.4	13.46	18.26	18.38
Middle CH	-	-	-	-	4.49	4.49	9.03	9.05	13.43	13.43	18.22	18.54
Highest CH	-	-	-	-	4.51	4.51	9.05	9.01	13.4	13.43	18.38	18.34
Mode	LTE Band 7 : 99%OBW(MHz)											
BW	5MHz		10MHz		15MHz		20MHz					
Mod.	64QAM		64QAM		64QAM		64QAM					
Lowest CH	4.49		9.05		13.46		18.26					
Middle CH	4.51		9.03		13.46		18.30					
Highest CH	4.50		9.01		13.40		18.38					

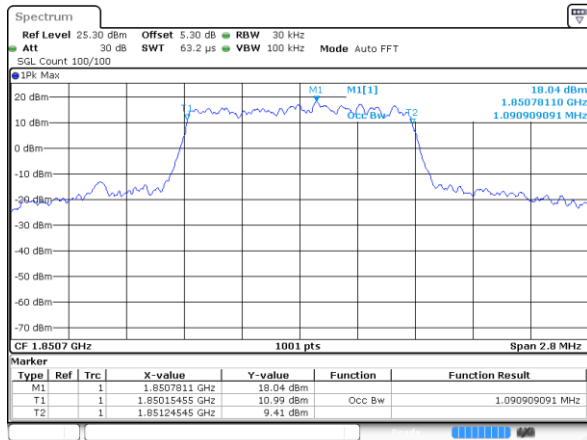
Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		1.4MHz	3MHz	5MHz	10MHz
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM	64QAM	64QAM
Lowest CH	1.09	1.09	2.72	2.72	4.51	4.52	8.97	9.03	1.09	2.72	4.51	9.03
Middle CH	1.09	1.08	2.7	2.73	4.51	4.52	9.09	9.01	1.09	2.71	4.50	9.07
Highest CH	1.09	1.09	2.72	2.71	4.5	4.5	8.97	8.99	1.09	2.70	4.51	9.07

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	4.49	4.5	9.03	8.99	13.43	13.46	18.3	18.62	4.50	8.97	13.40	18.14
Middle CH	4.5	4.46	8.97	9.05	13.43	13.4	18.34	18.34	4.49	9.01	13.43	18.26
Highest CH	4.48	4.51	9.07	9.05	13.4	13.46	18.3	18.42	4.51	8.89	13.40	18.30



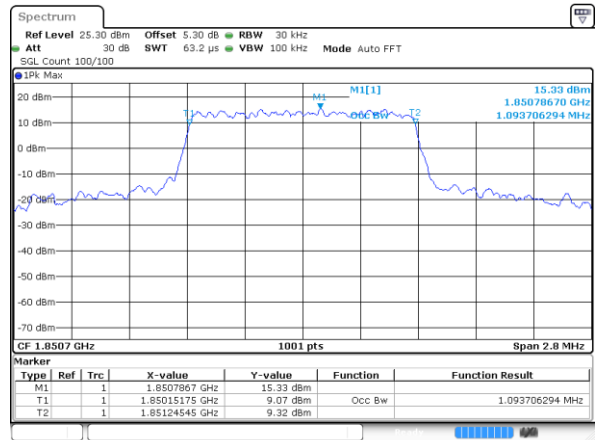
LTE Band 2

Lowest Channel / 1.4MHz / QPSK



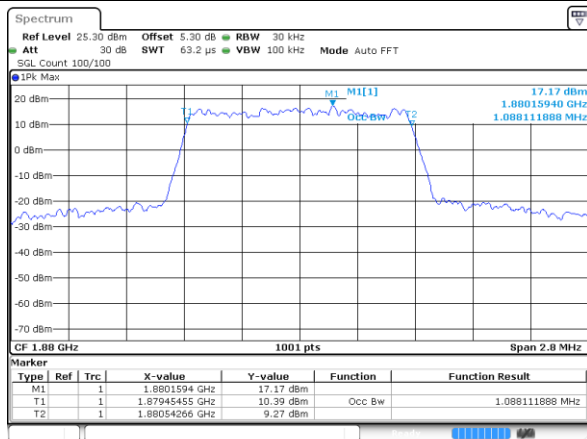
Date: 20.OCT.2018 12:47:45

Lowest Channel / 1.4MHz / 16QAM



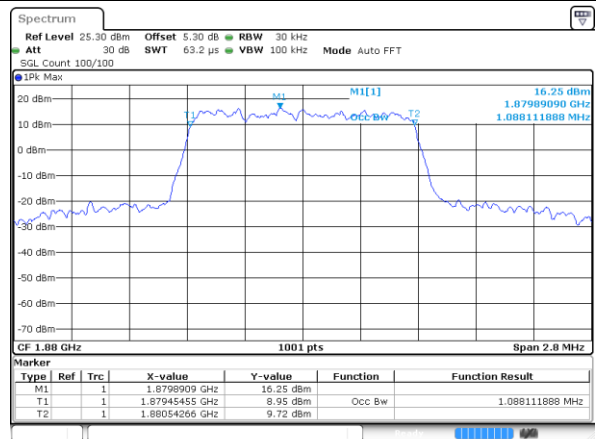
Date: 20.OCT.2018 12:47:55

Middle Channel / 1.4MHz / QPSK



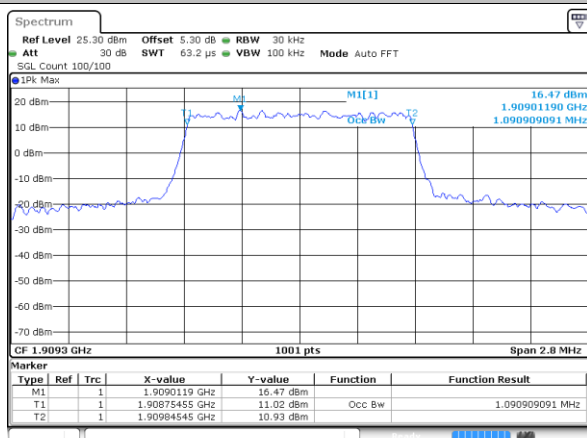
Date: 20.OCT.2018 12:54:45

Middle Channel / 1.4MHz / 16QAM



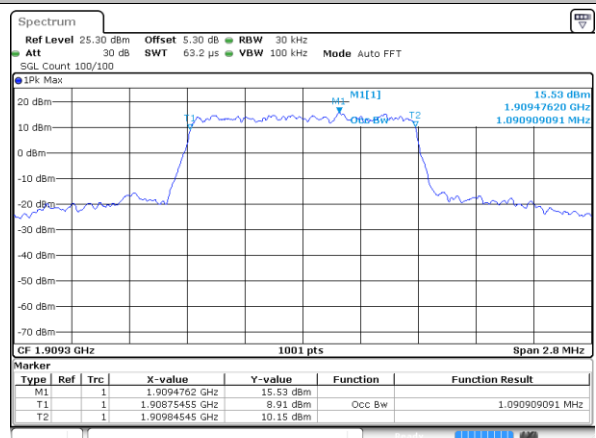
Date: 20.OCT.2018 12:54:55

Highest Channel / 1.4MHz / QPSK



Date: 20.OCT.2018 12:57:15

Highest Channel / 1.4MHz / 16QAM

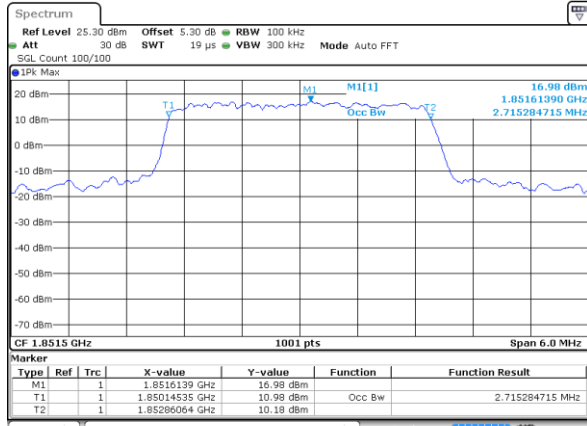


Date: 20.OCT.2018 12:57:25



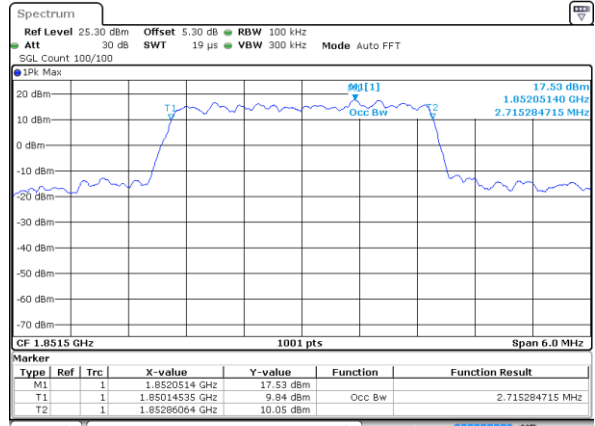
LTE Band 2

Lowest Channel / 3MHz / QPSK



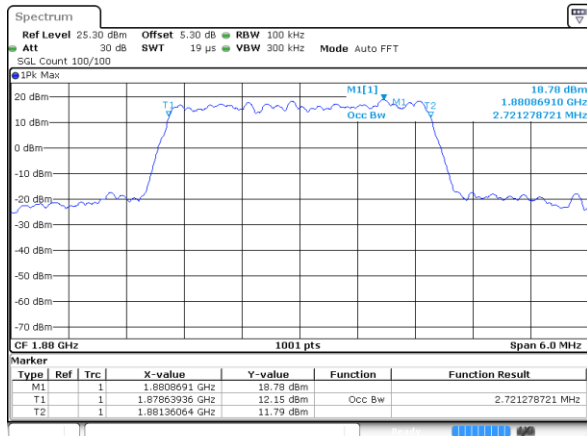
Date: 20 OCT 2018 13:04:14

Lowest Channel / 3MHz / 16QAM



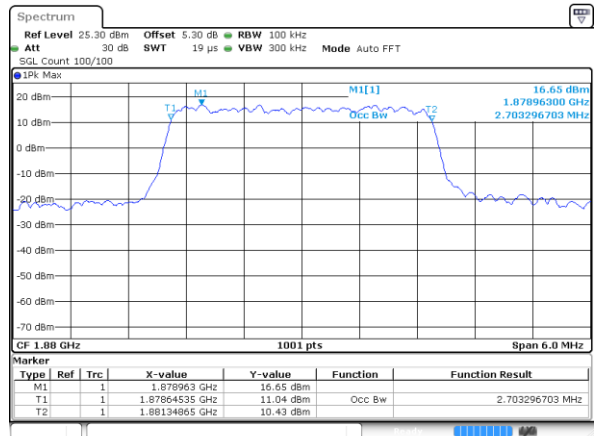
Date: 20 OCT 2018 13:04:24

Middle Channel / 3MHz / QPSK



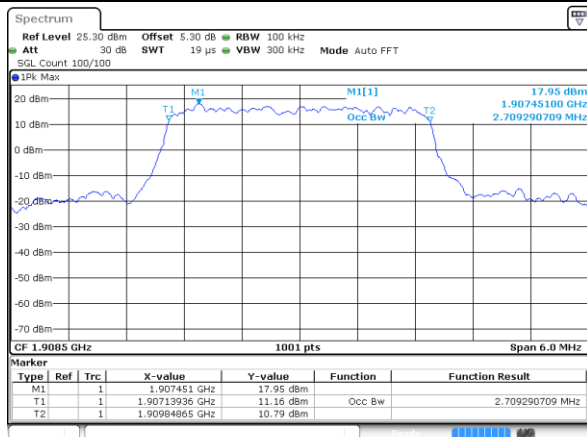
Date: 20 OCT 2018 13:11:13

Middle Channel / 3MHz / 16QAM



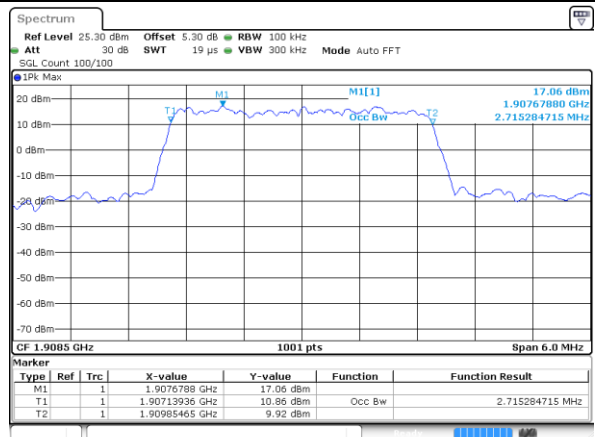
Date: 20 OCT 2018 13:11:23

Highest Channel / 3MHz / QPSK



Date: 20 OCT 2018 13:13:42

Highest Channel / 3MHz / 16QAM

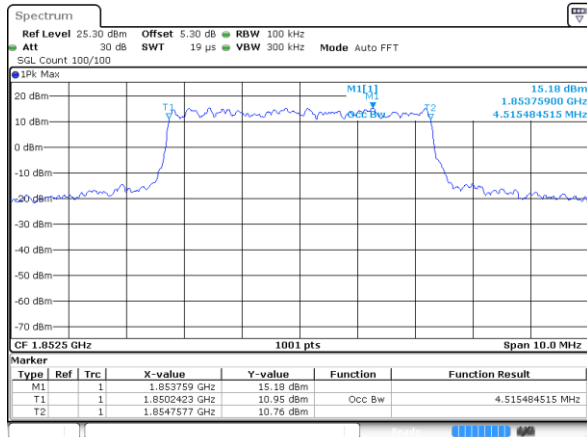


Date: 20 OCT 2018 13:13:52



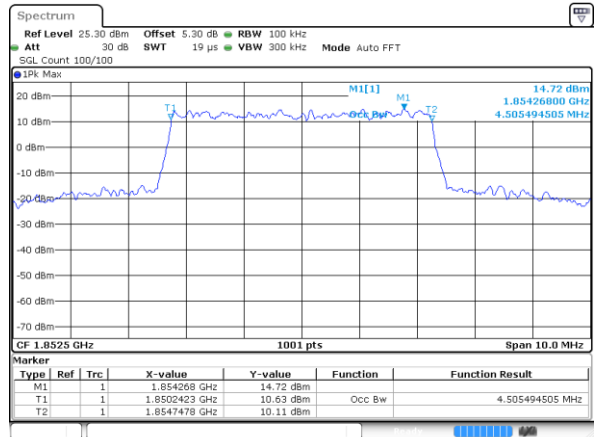
LTE Band 2

Lowest Channel / 5MHz / QPSK



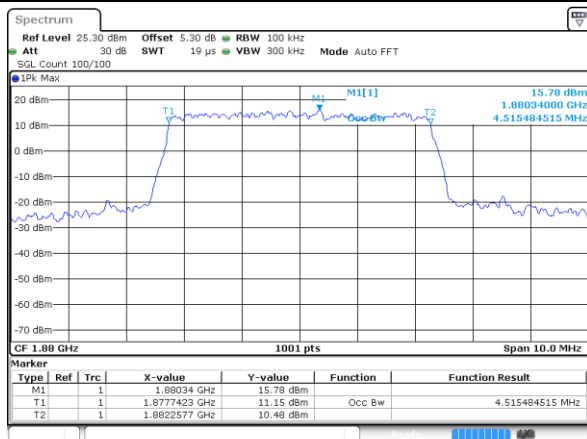
Date: 20 OCT 2018 13:20:42

Lowest Channel / 5MHz / 16QAM



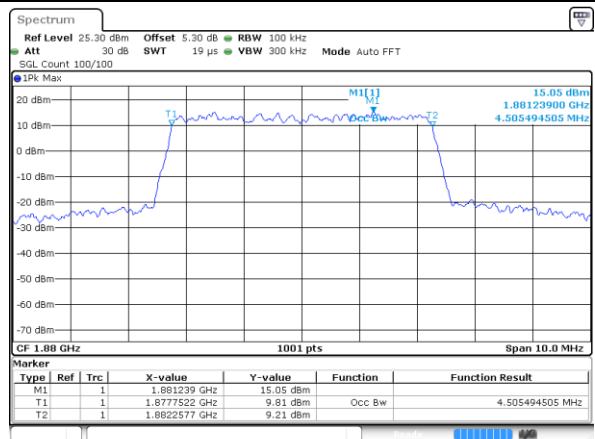
Date: 20 OCT 2018 13:20:52

Middle Channel / 5MHz / QPSK



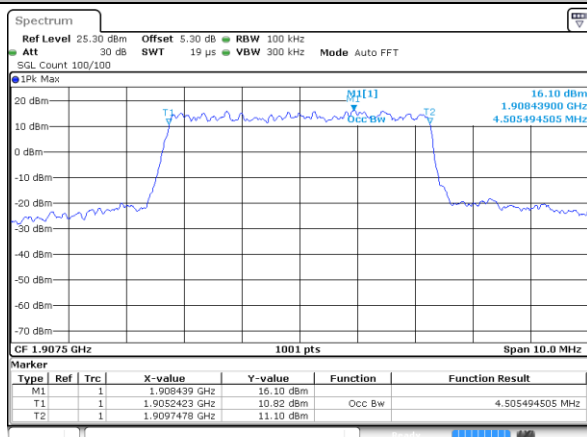
Date: 20 OCT 2018 13:27:41

Middle Channel / 5MHz / 16QAM



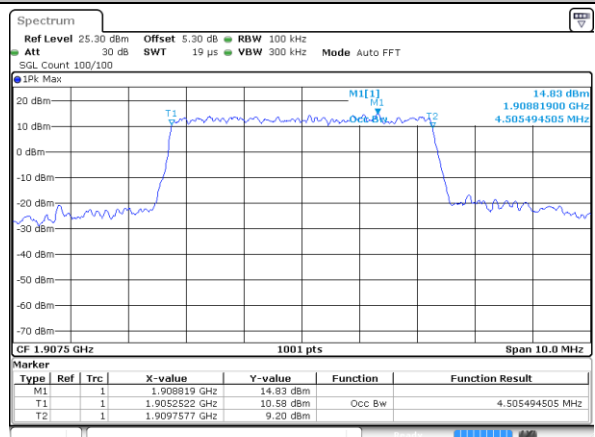
Date: 20 OCT 2018 13:27:51

Highest Channel / 5MHz / QPSK



Date: 20 OCT 2018 13:30:10

Highest Channel / 5MHz / 16QAM

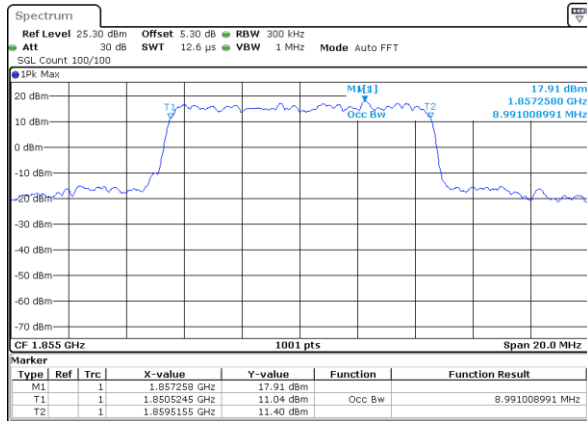


Date: 20 OCT 2018 13:30:20

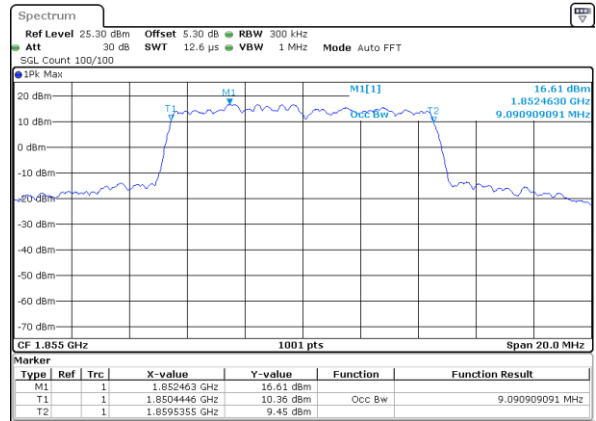


LTE Band 2

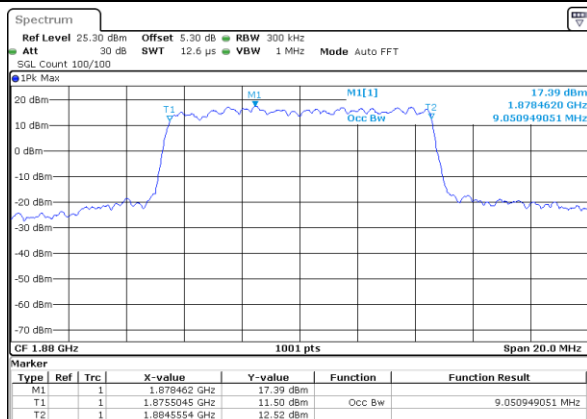
Lowest Channel / 10MHz / QPSK



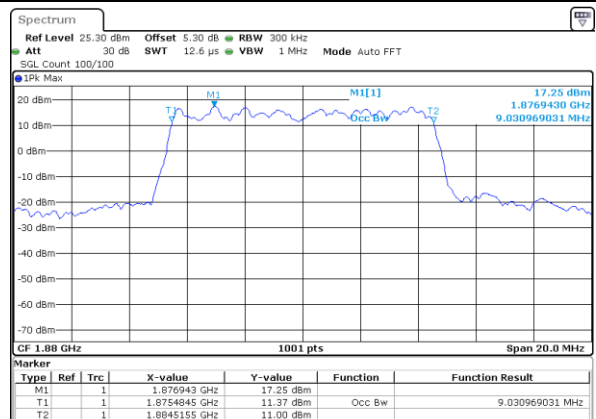
Lowest Channel / 10MHz / 16QAM



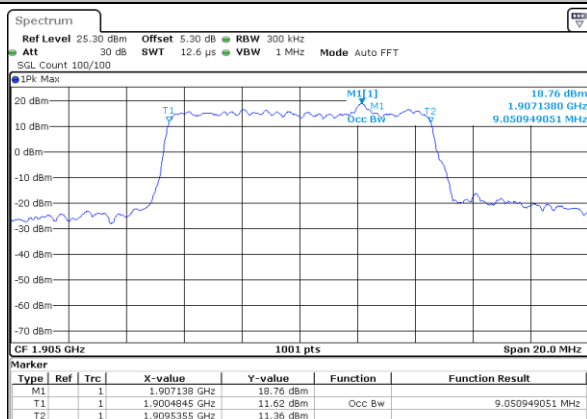
Middle Channel / 10MHz / QPSK



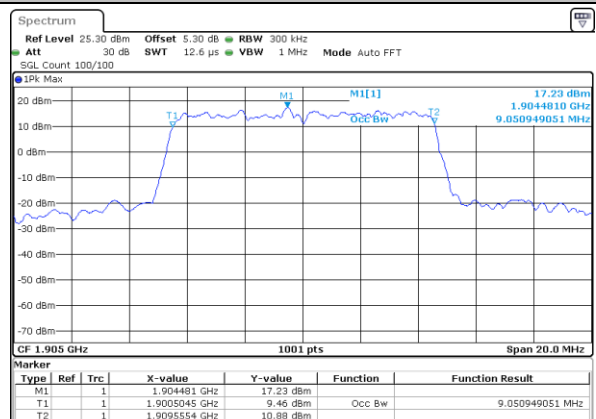
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



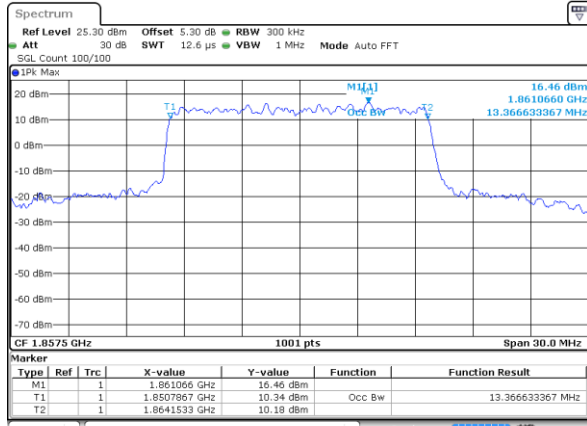
Highest Channel / 10MHz / 16QAM





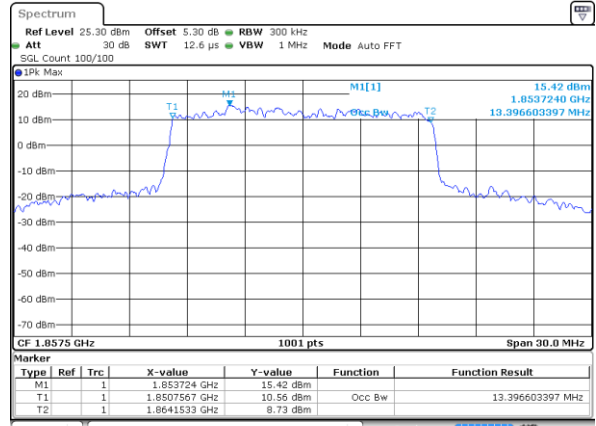
LTE Band 2

Lowest Channel / 15MHz / QPSK



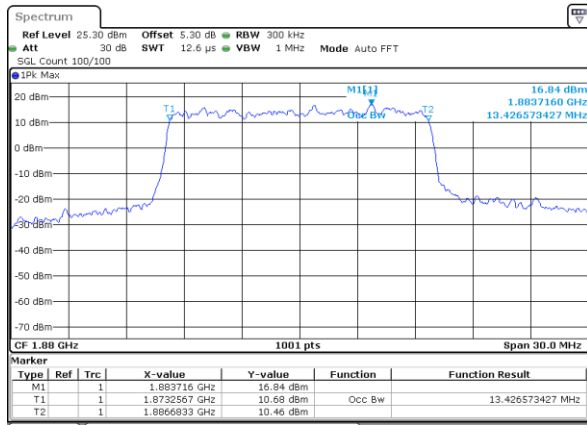
Date: 20 OCT 2018 13:53:37

Lowest Channel / 15MHz / 16QAM



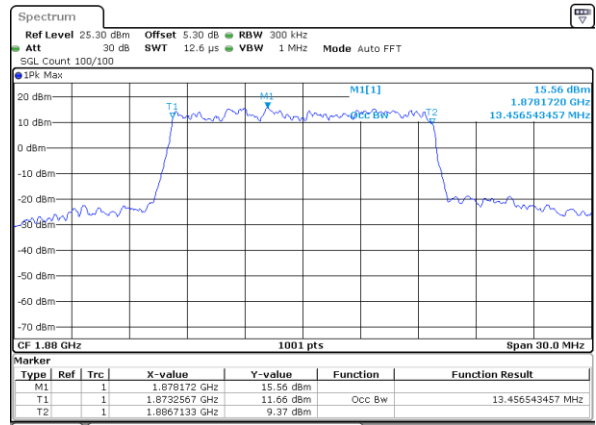
Date: 20 OCT 2018 13:53:47

Middle Channel / 15MHz / QPSK



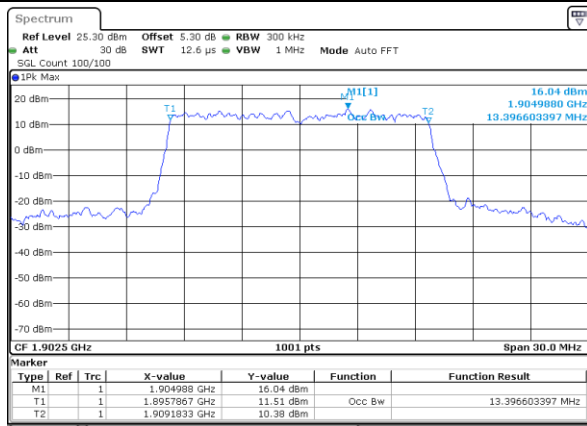
Date: 20 OCT 2018 14:00:36

Middle Channel / 15MHz / 16QAM



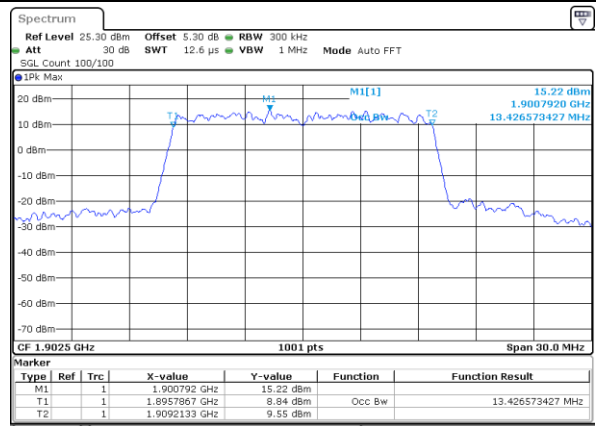
Date: 20 OCT 2018 14:00:46

Highest Channel / 15MHz / QPSK



Date: 20 OCT 2018 14:03:06

Highest Channel / 15MHz / 16QAM

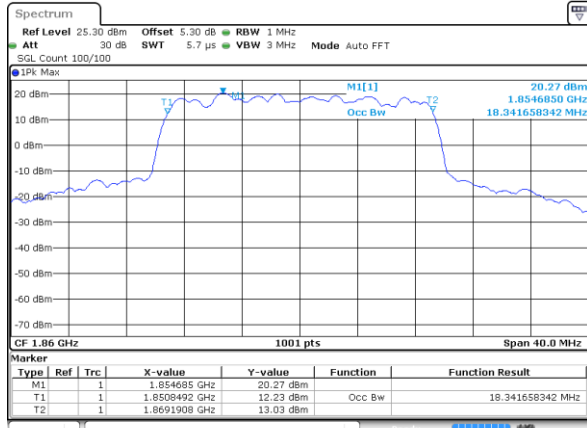


Date: 20 OCT 2018 14:03:16

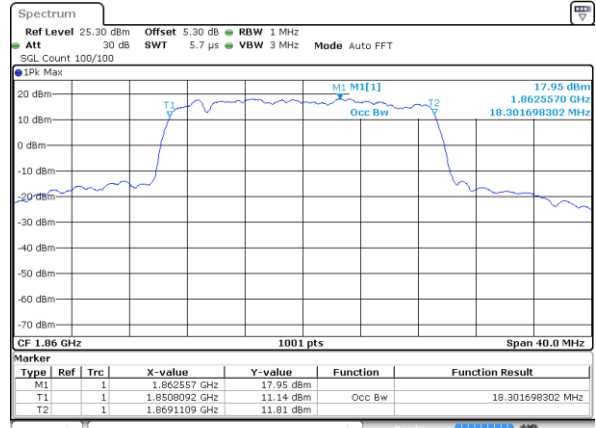


LTE Band 2

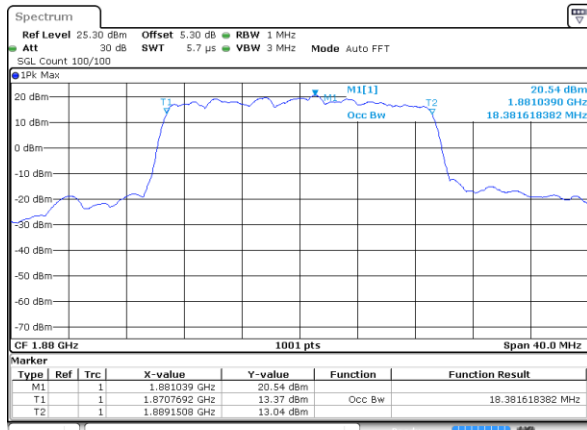
Lowest Channel / 20MHz / QPSK



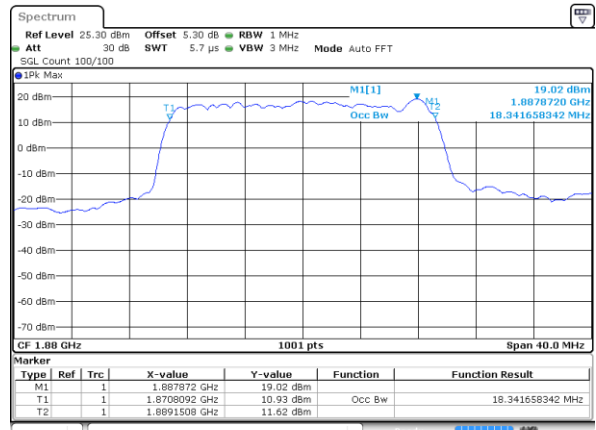
Lowest Channel / 20MHz / 16QAM



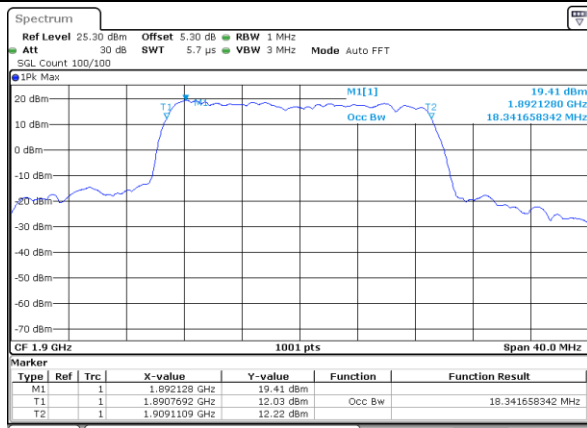
Middle Channel / 20MHz / QPSK



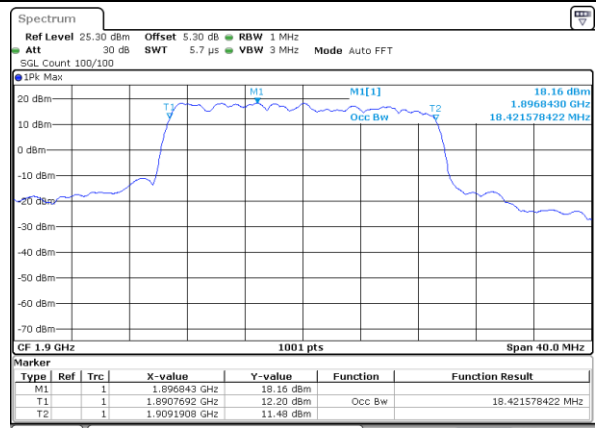
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



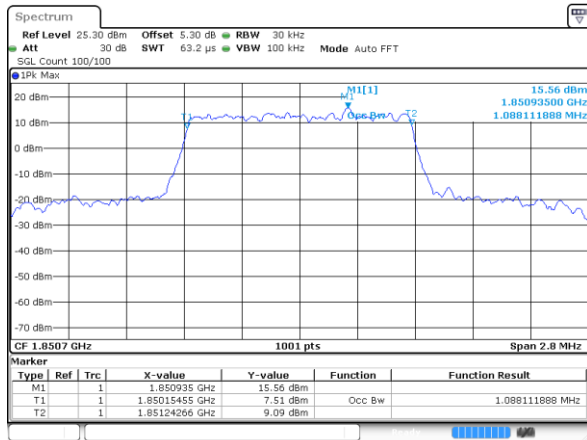
Highest Channel / 20MHz / 16QAM





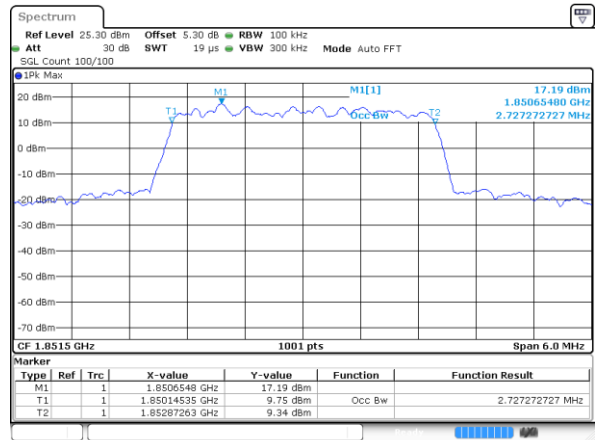
LTE Band 2

Lowest Channel / 1.4MHz / 64QAM



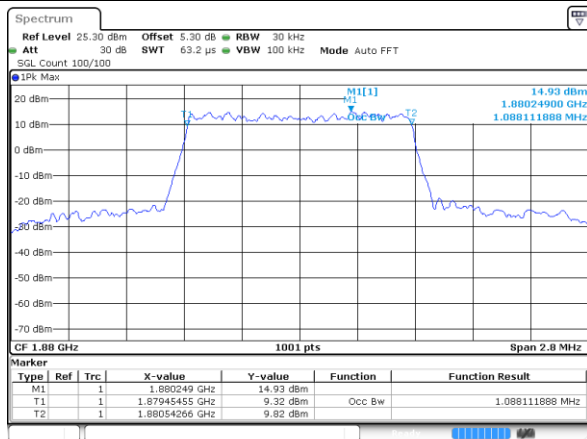
Date: 20 OCT.2018 14:28:12

Lowest Channel / 3MHz / 64QAM



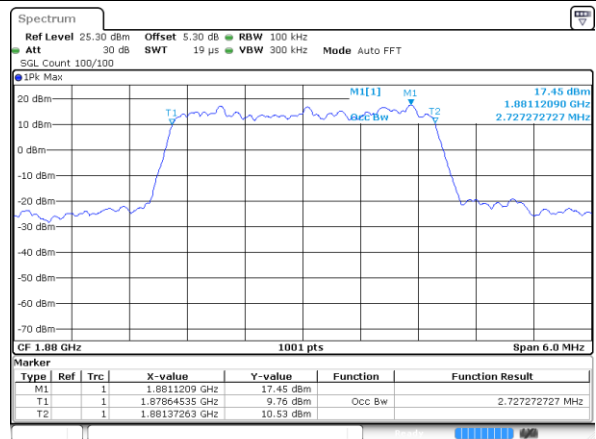
Date: 20 OCT.2018 14:28:43

Middle Channel / 1.4MHz / 64QAM



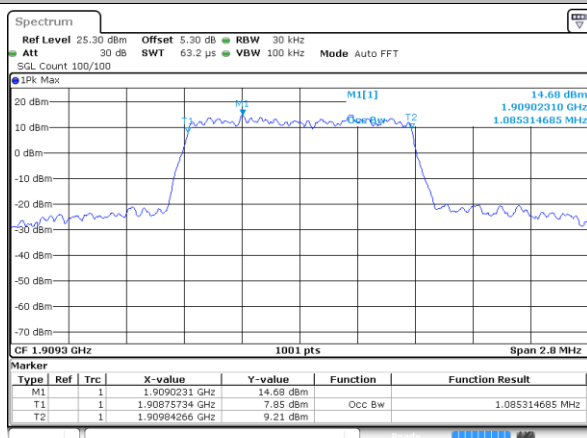
Date: 20 OCT.2018 14:28:23

Middle Channel / 3MHz / 64QAM



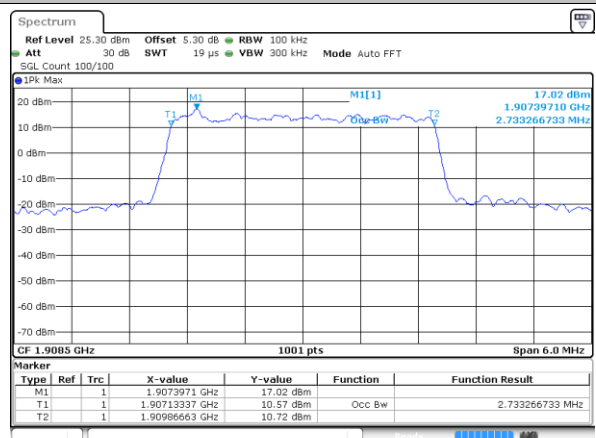
Date: 20 OCT.2018 14:28:53

Highest Channel / 1.4MHz / 64QAM



Date: 20 OCT.2018 14:28:33

Highest Channel / 3MHz / 64QAM

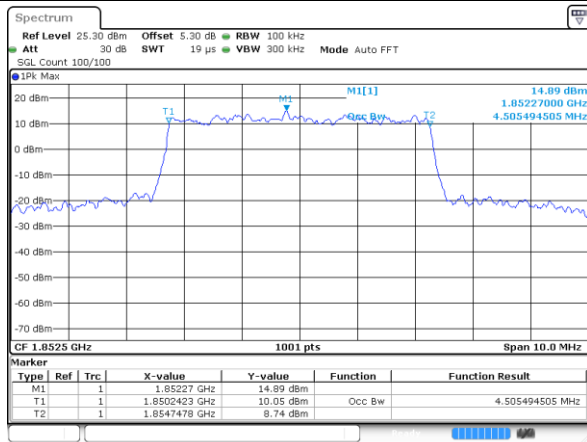


Date: 20 OCT.2018 14:29:03

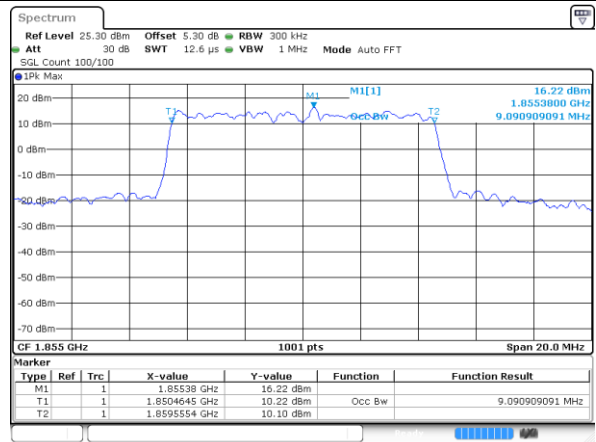


LTE Band 2

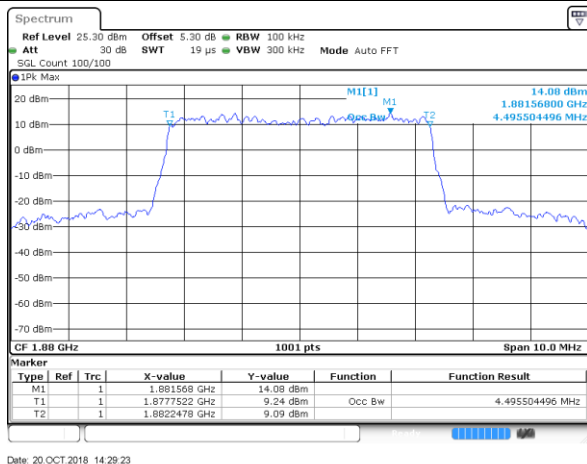
Lowest Channel / 5MHz / 64QAM



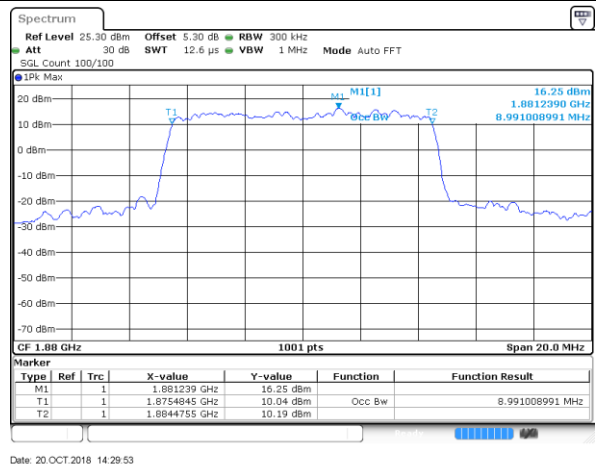
Lowest Channel / 10MHz / 64QAM



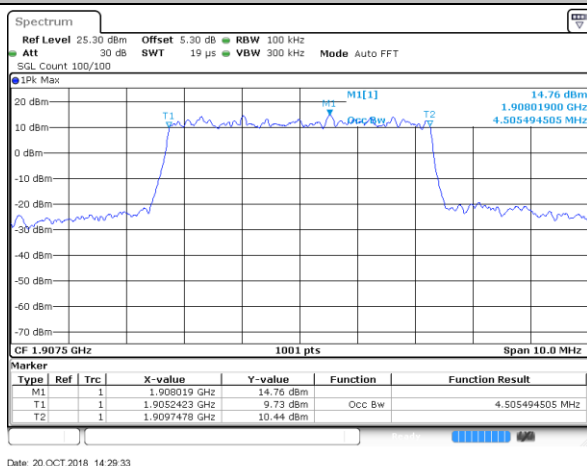
Middle Channel / 5MHz / 64QAM



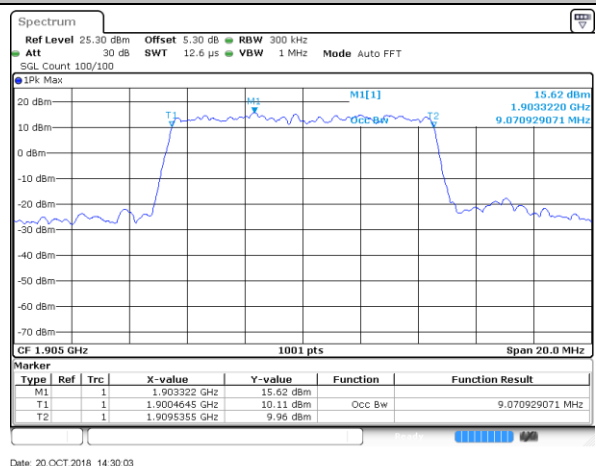
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



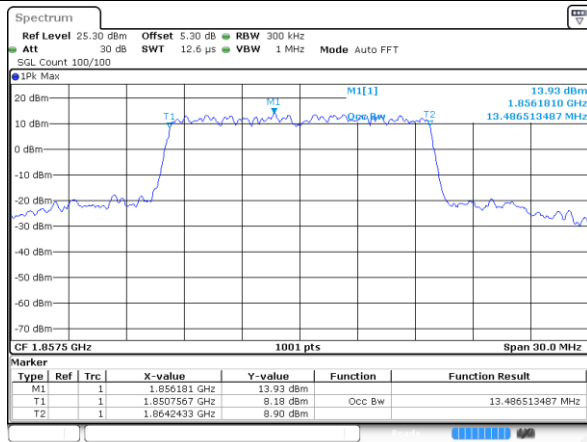
Highest Channel / 10MHz / 64QAM



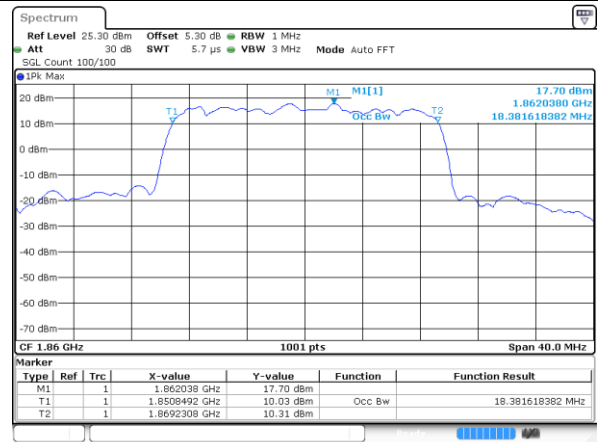


LTE Band 2

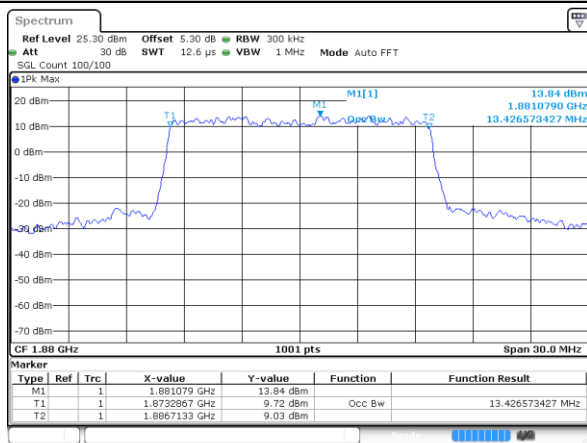
Lowest Channel / 15MHz / 64QAM



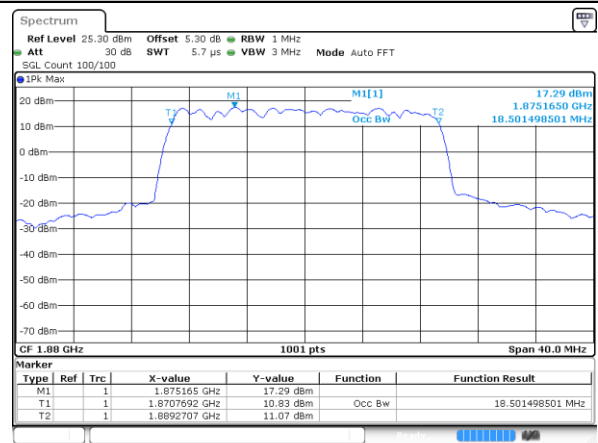
Lowest Channel / 20MHz / 64QAM



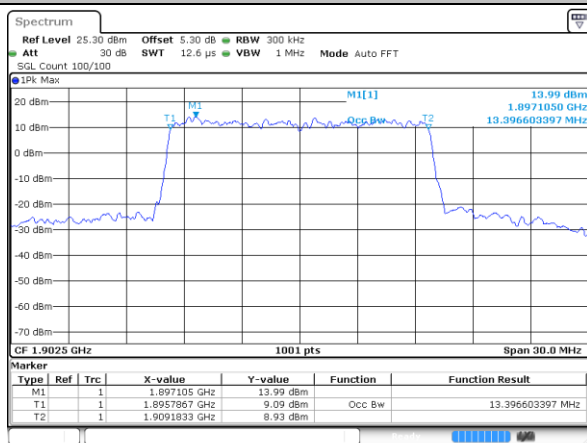
Middle Channel / 15MHz / 64QAM



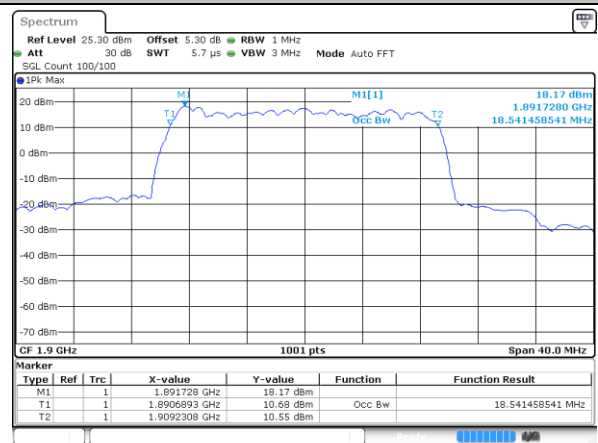
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



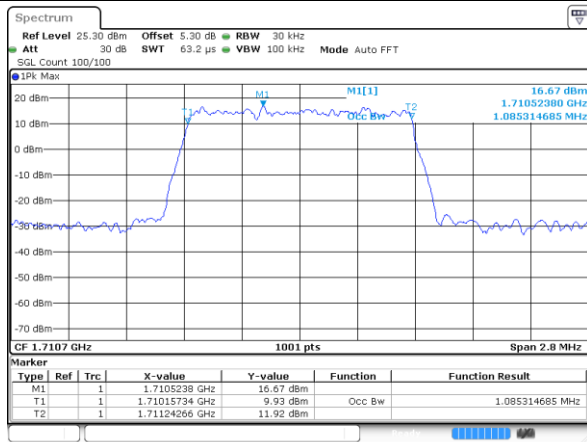
Highest Channel / 20MHz / 64QAM





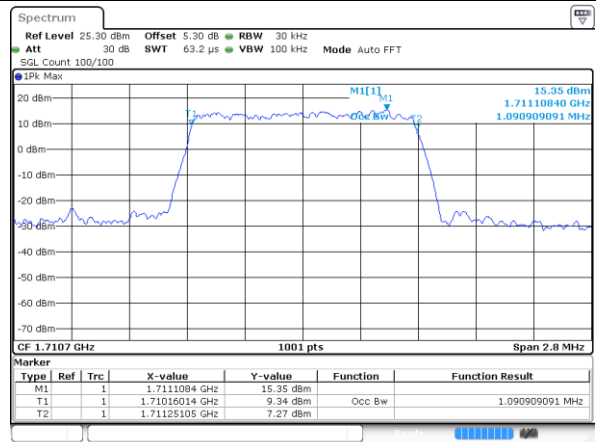
LTE Band 4

Lowest Channel / 1.4MHz / QPSK



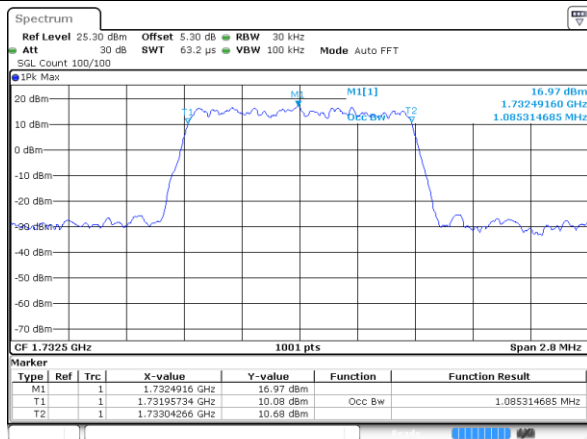
Date: 20.OCT.2018 15:47:15

Lowest Channel / 1.4MHz / 16QAM



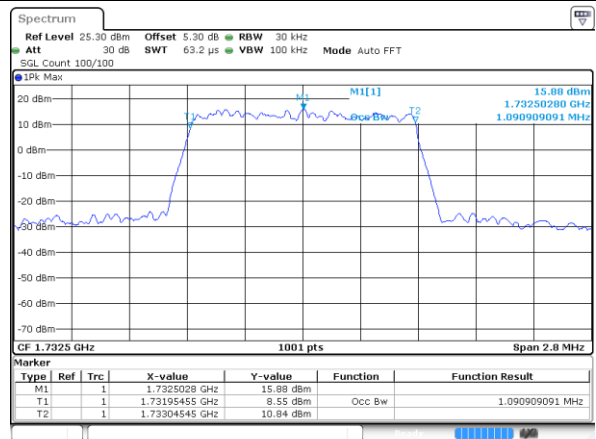
Date: 20.OCT.2018 15:47:25

Middle Channel / 1.4MHz / QPSK



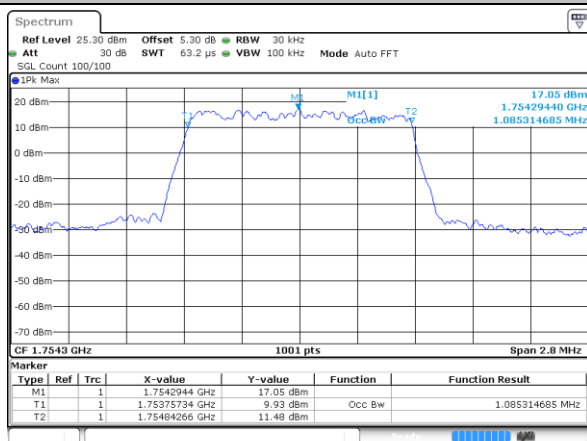
Date: 20.OCT.2018 16:00:40

Middle Channel / 1.4MHz / 16QAM



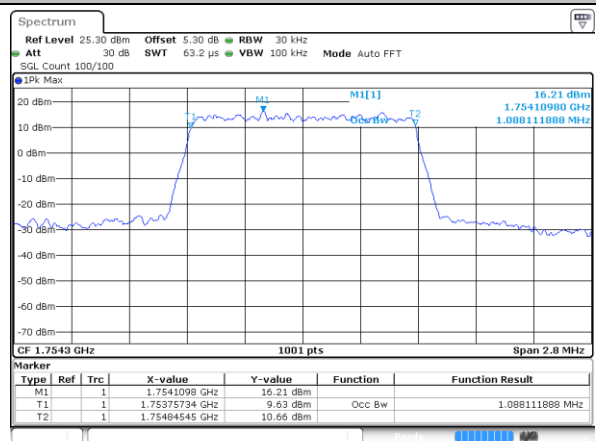
Date: 20.OCT.2018 16:00:50

Highest Channel / 1.4MHz / QPSK



Date: 20.OCT.2018 16:03:09

Highest Channel / 1.4MHz / 16QAM

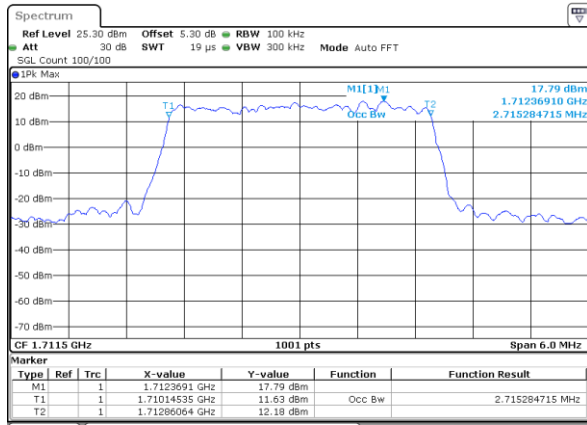


Date: 20.OCT.2018 16:03:19

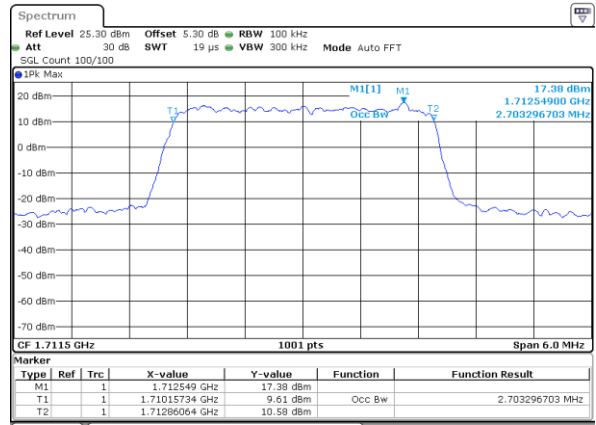


LTE Band 4

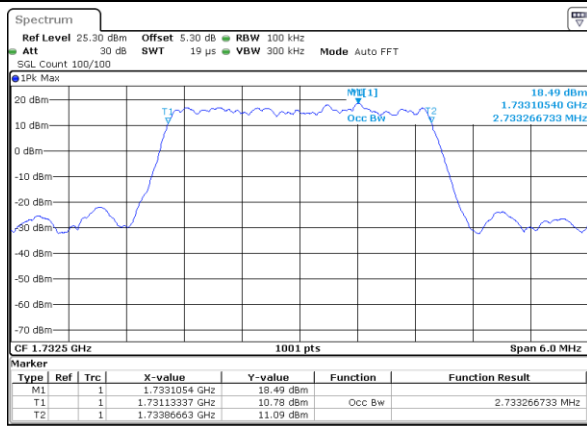
Lowest Channel / 3MHz / QPSK



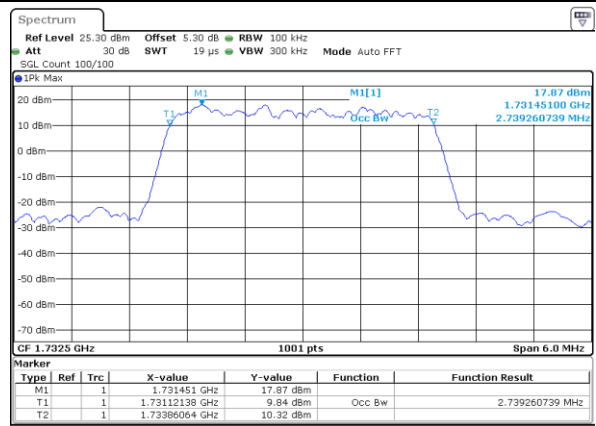
Lowest Channel / 3MHz / 16QAM



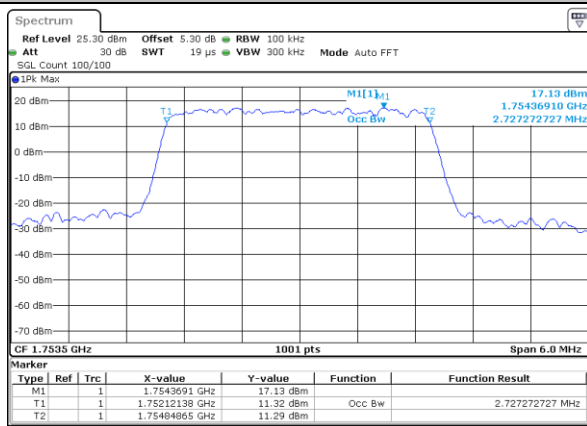
Middle Channel / 3MHz / QPSK



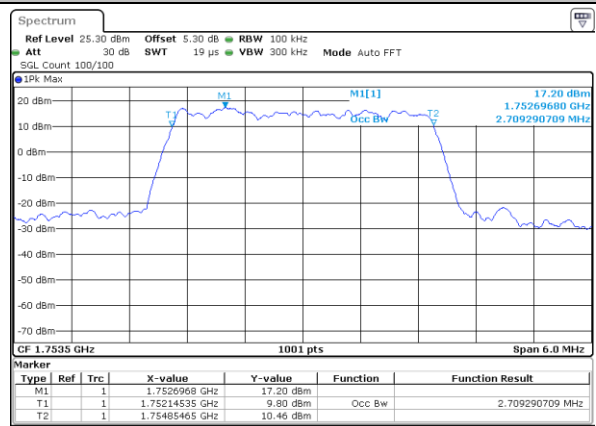
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



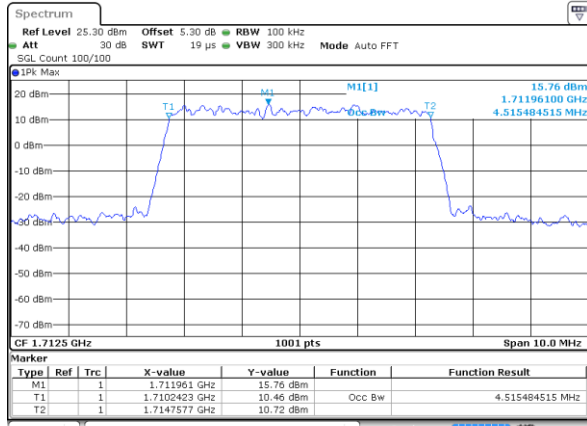
Highest Channel / 3MHz / 16QAM



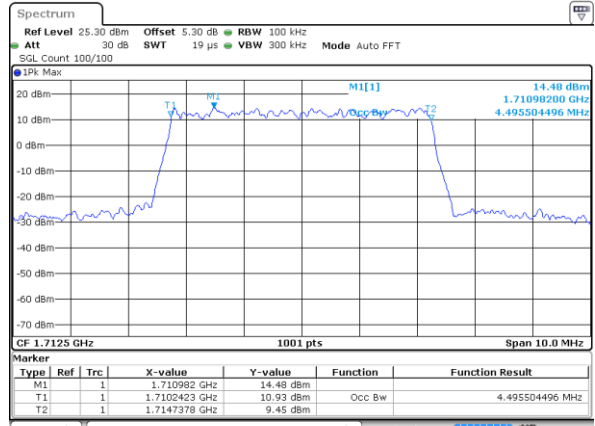


LTE Band 4

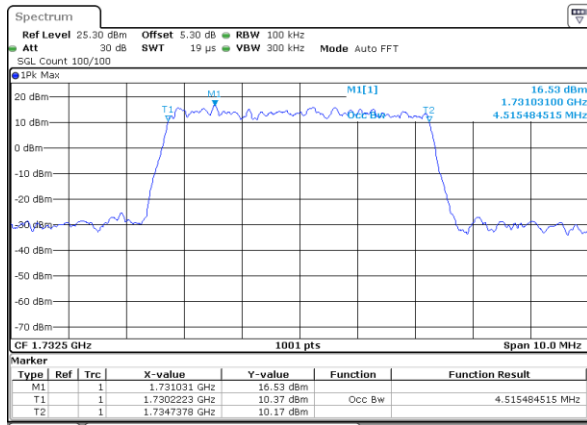
Lowest Channel / 5MHz / QPSK



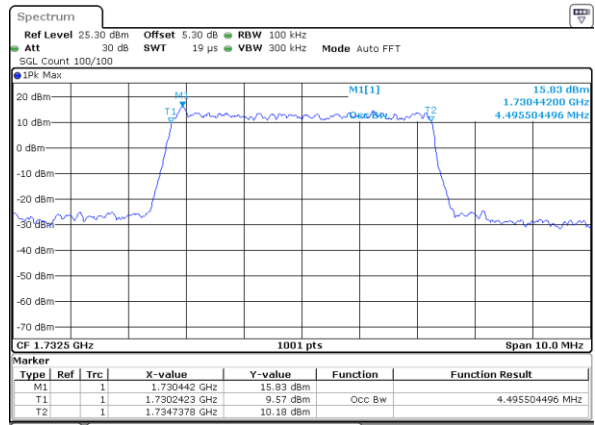
Lowest Channel / 5MHz / 16QAM



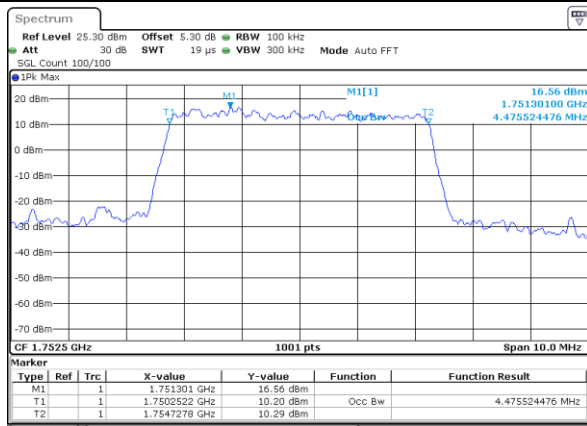
Middle Channel / 5MHz / QPSK



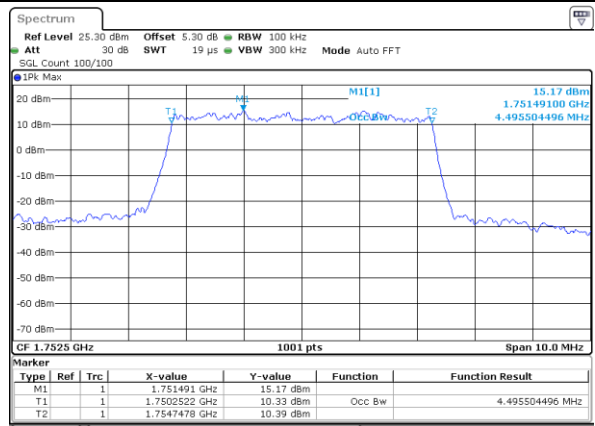
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



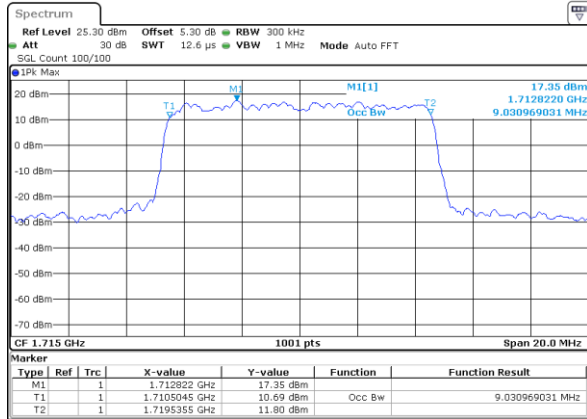
Highest Channel / 5MHz / 16QAM





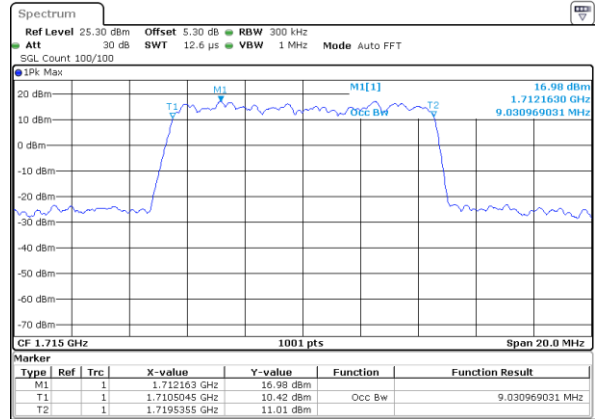
LTE Band 4

Lowest Channel / 10MHz / QPSK



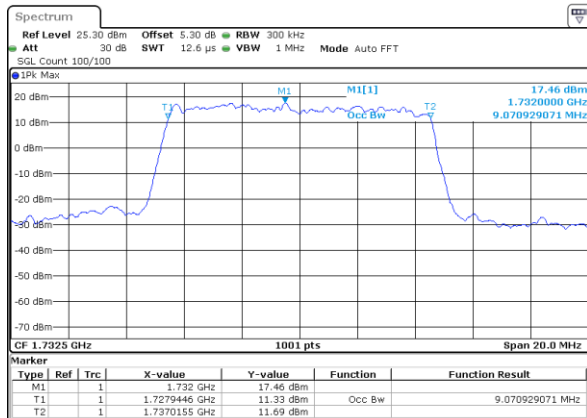
Date: 20 OCT 2018 16:43:04

Lowest Channel / 10MHz / 16QAM



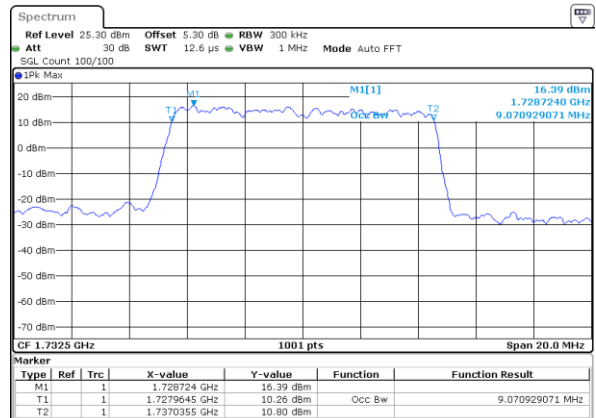
Date: 20 OCT 2018 16:43:14

Middle Channel / 10MHz / QPSK



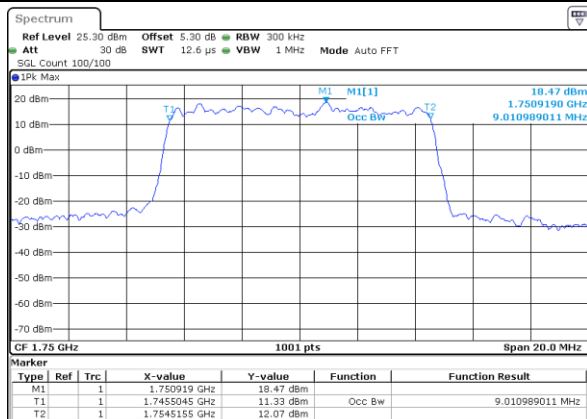
Date: 20 OCT 2018 16:50:03

Middle Channel / 10MHz / 16QAM



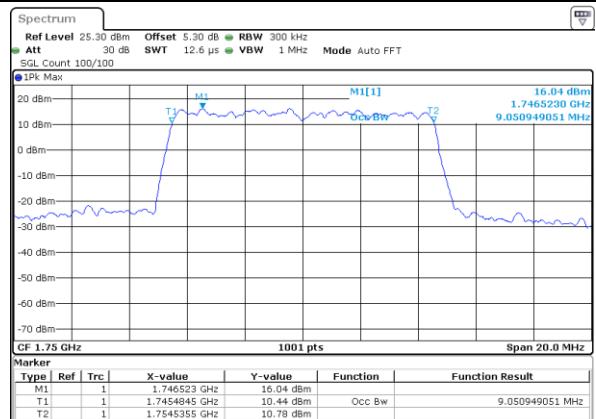
Date: 20 OCT 2018 16:50:13

Highest Channel / 10MHz / QPSK



Date: 20 OCT 2018 16:52:32

Highest Channel / 10MHz / 16QAM



Date: 20 OCT 2018 16:52:42