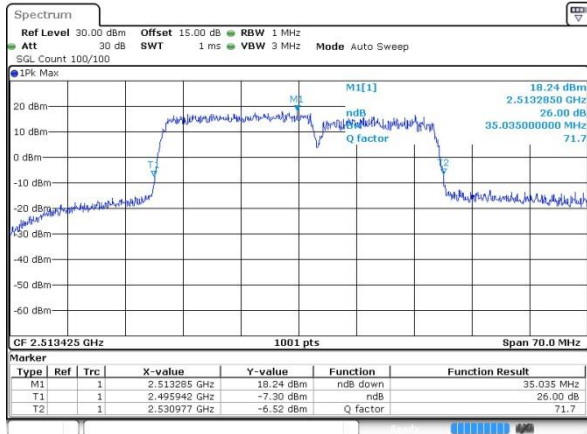




LTE Band 41C\_CA

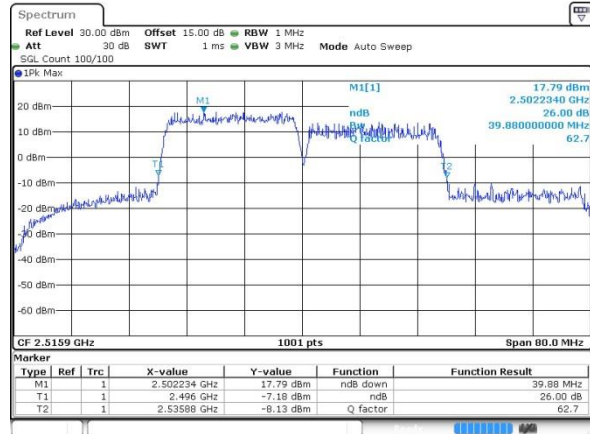
64QAM

Lowest Channel / 20MHz+15MHz



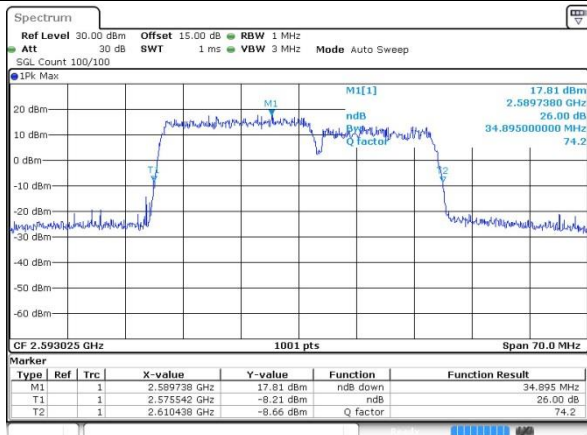
Date: 27 JUL 2019 19:49:19

Lowest Channel / 20MHz+20MHz



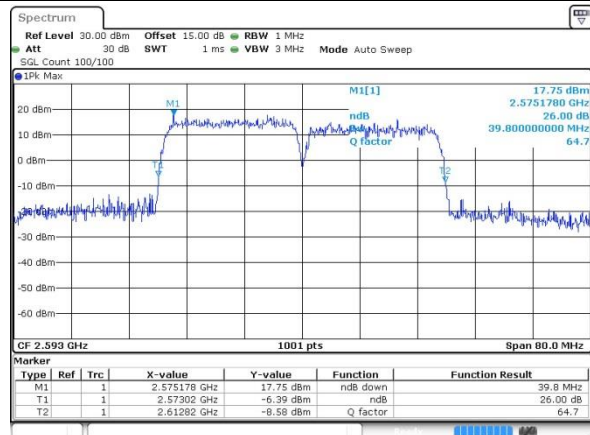
Date: 27 JUL 2019 21:23:46

Middle Channel / 20MHz+15MHz



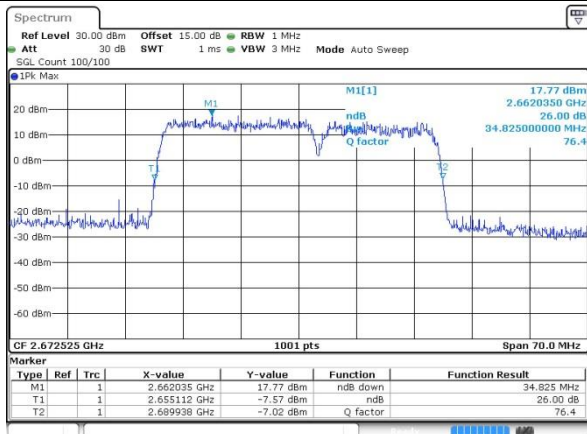
Date: 27 JUL 2019 20:52:17

Middle Channel / 20MHz+20MHz



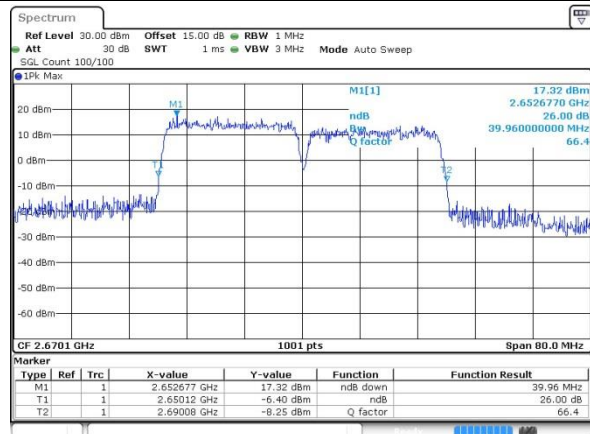
Date: 27 JUL 2019 22:40:05

Highest Channel / 20MHz+15MHz



Date: 27 JUL 2019 20:57:38

Highest Channel / 20MHz+20MHz



Date: 27 JUL 2019 22:47:39



### Occupied Bandwidth

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	4.52	4.48	9.03	8.93	13.49	13.46	18.38	18.34	4.49	9.03	13.46	18.38
Middle CH	4.51	4.49	9.13	8.99	13.40	13.43	18.42	18.38	4.50	9.05	13.46	18.42
Highest CH	4.53	4.51	9.01	8.99	13.40	13.43	18.42	18.42	4.47	9.03	13.40	18.46

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	4.49	4.49	9.05	9.03	13.46	13.40	18.30	18.38	4.50	8.97	13.43	18.50
Middle CH	4.51	4.48	9.03	9.03	13.46	13.37	18.34	18.30	4.46	8.97	13.46	18.58
Highest CH	4.46	4.50	9.03	9.05	13.46	13.46	18.30	18.22	4.47	8.99	13.46	18.42

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	8.97	8.97	13.43	13.43	18.22	18.22	4.49	9.03	13.43	18.38
Middle CH	4.48	4.49	8.99	9.01	13.37	13.46	18.34	18.38	4.46	9.05	13.40	18.42
Highest CH	4.48	4.50	9.01	9.11	13.46	13.40	18.26	18.42	4.46	9.03	13.46	18.18



Mode	LTE Band 7C_CA: 99%OBW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+5MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	28.05	-	23.48	28.59
Middle CH	27.93	-	23.53	28.59
Highest CH	27.93	-	23.58	28.65
BW	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	32.73	28.05	32.87	37.72
Middle CH	32.80	28.05	32.73	37.64
Highest CH	32.80	27.93	32.87	37.56

Mode	LTE Band 7C_CA: 99%OBW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+5MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	27.93	-	23.53	28.47
Middle CH	27.99	-	23.53	28.59
Highest CH	27.93	-	23.53	28.65
BW	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	32.87	27.93	32.94	37.48
Middle CH	32.87	27.99	32.66	37.64
Highest CH	32.73	27.99	32.73	37.72

Mode	LTE Band 7C_CA: 99%OBW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+5MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	28.11	-	23.38	28.47
Middle CH	27.93	-	23.33	28.53
Highest CH	27.99	-	23.48	28.59
BW	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	32.73	27.93	32.80	37.40
Middle CH	32.66	27.93	32.80	37.64
Highest CH	32.66	27.93	32.80	37.56



Mode	LTE Band 41C_CA: 99%OBW(MHz)				
QPSK					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	23.23	23.33	27.81	23.43	28.47
Middle CH	23.33	23.43	27.93	23.48	28.53
Highest CH	23.33	23.48	28.05	23.43	28.59
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	32.66	23.28	27.81	32.80	37.80
Middle CH	32.87	23.28	28.05	32.80	37.56
Highest CH	32.87	23.28	27.99	32.87	37.64

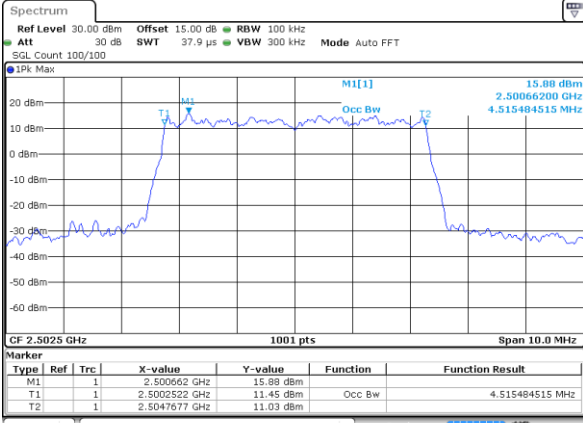
Mode	LTE Band 41C_CA: 99%OBW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	23.18	23.38	27.93	23.48	28.47
Middle CH	23.13	23.43	27.87	23.48	28.65
Highest CH	23.18	23.43	28.11	23.48	28.65
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	32.73	23.23	27.93	32.80	37.48
Middle CH	32.80	23.23	28.05	32.66	37.64
Highest CH	32.80	23.33	28.11	32.94	37.64

Mode	LTE Band 41C_CA: 99%OBW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	23.18	23.33	27.93	23.33	28.47
Middle CH	23.23	23.48	27.93	23.43	28.47
Highest CH	23.23	23.38	27.99	23.48	28.47
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	32.73	23.18	27.81	32.73	37.72
Middle CH	32.87	23.23	27.87	32.80	37.64
Highest CH	32.87	23.33	28.11	32.73	37.80



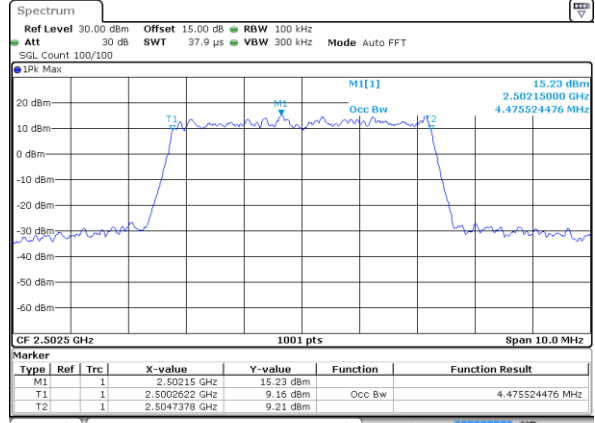
LTE Band 7

Lowest Channel / 5MHz / QPSK



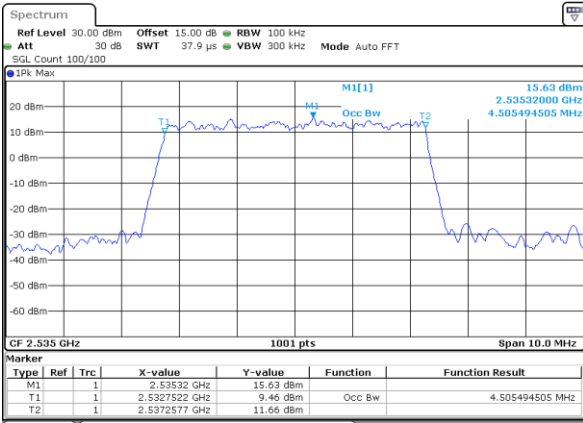
Date: 7 AUG 2019 10:53:55

Lowest Channel / 5MHz / 16QAM



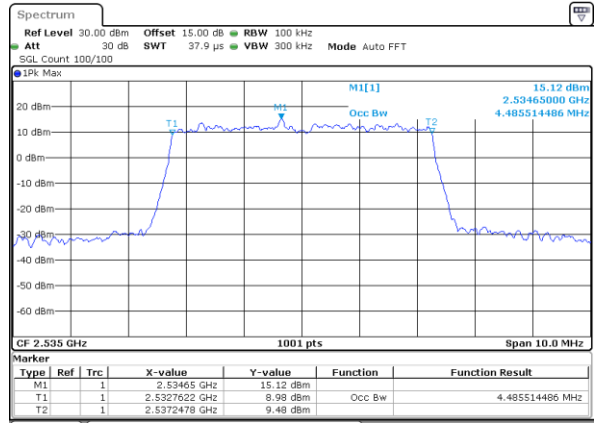
Date: 7 AUG 2019 10:57:32

Middle Channel / 5MHz / QPSK



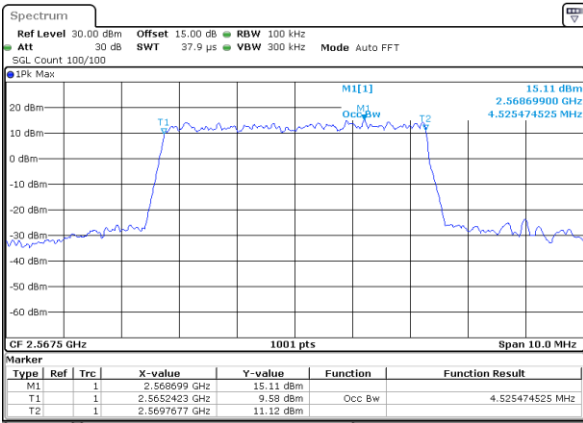
Date: 7 AUG 2019 10:54:05

Middle Channel / 5MHz / 16QAM



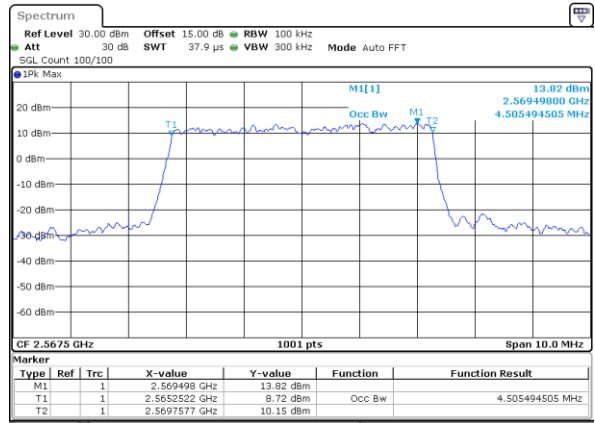
Date: 7 AUG 2019 10:57:42

Highest Channel / 5MHz / QPSK



Date: 7 AUG 2019 10:54:15

Highest Channel / 5MHz / 16QAM

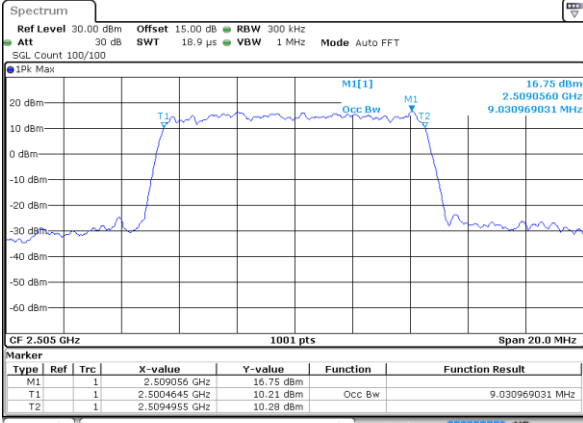


Date: 7 AUG 2019 10:57:51



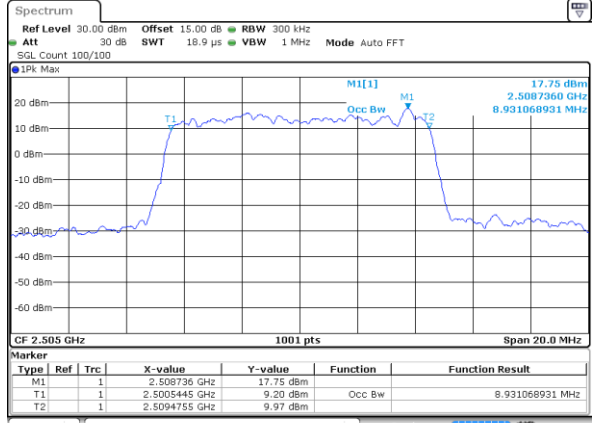
LTE Band 7

Lowest Channel / 10MHz / QPSK



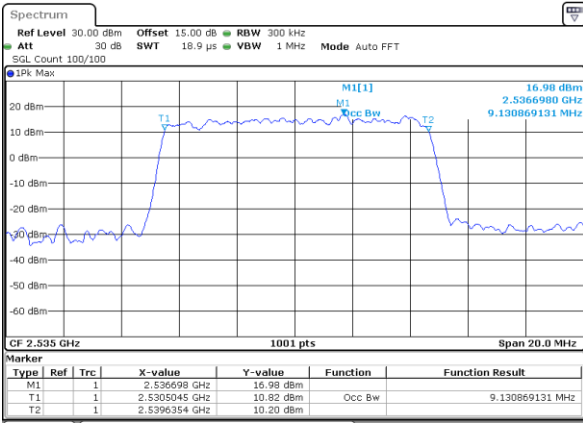
Date: 7 AUG 2019 14:22:08

Lowest Channel / 10MHz / 16QAM



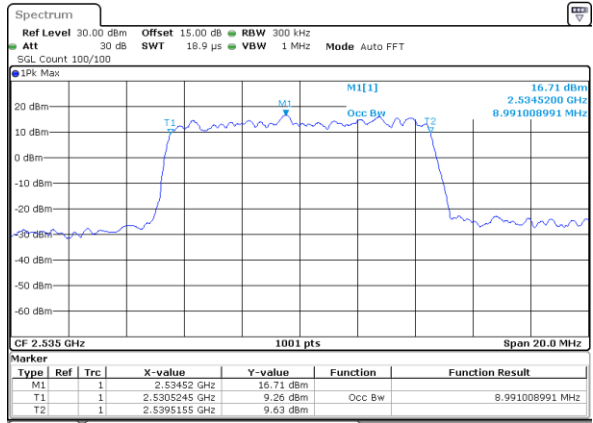
Date: 7 AUG 2019 11:01:38

Middle Channel / 10MHz / QPSK



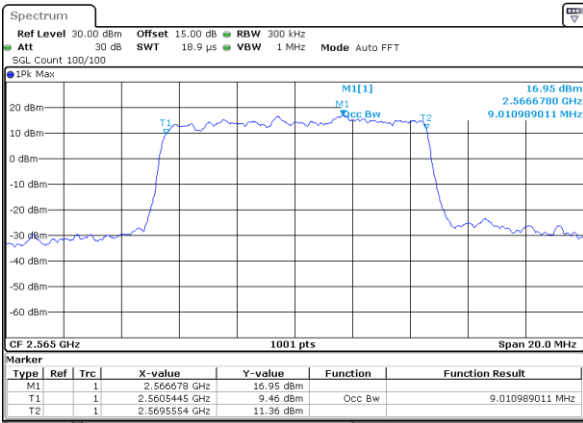
Date: 7 AUG 2019 11:01:18

Middle Channel / 10MHz / 16QAM



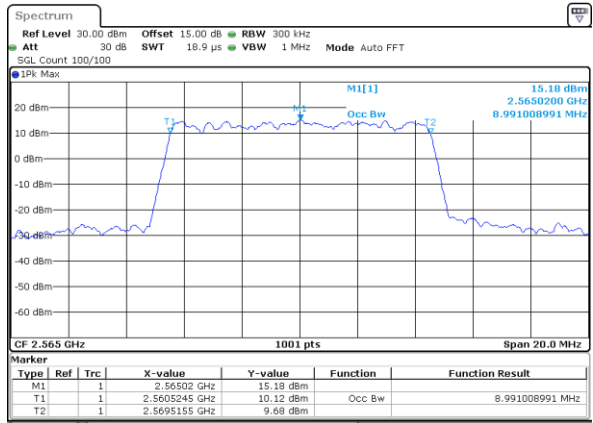
Date: 7 AUG 2019 11:01:47

Highest Channel / 10MHz / QPSK



Date: 7 AUG 2019 11:01:28

Highest Channel / 10MHz / 16QAM

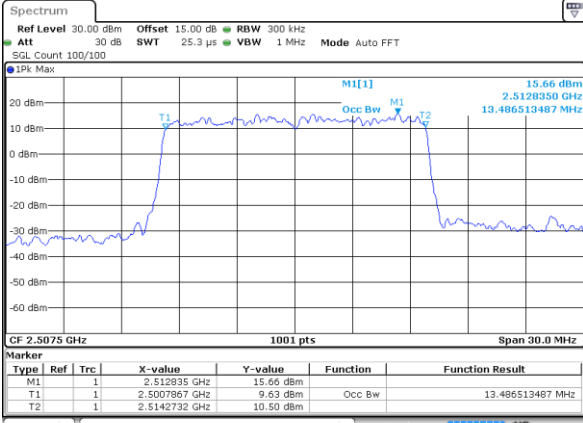


Date: 7 AUG 2019 11:01:57



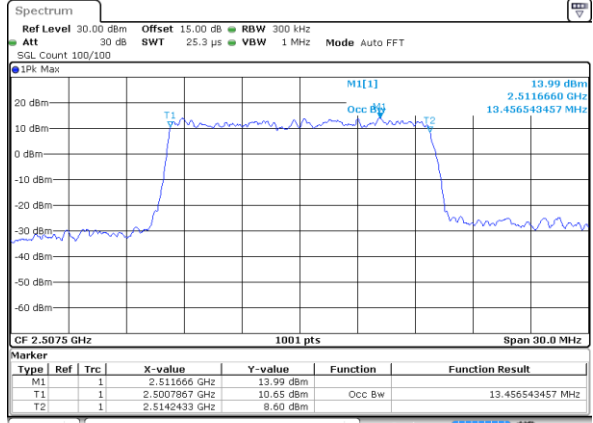
LTE Band 7

Lowest Channel / 15MHz / QPSK



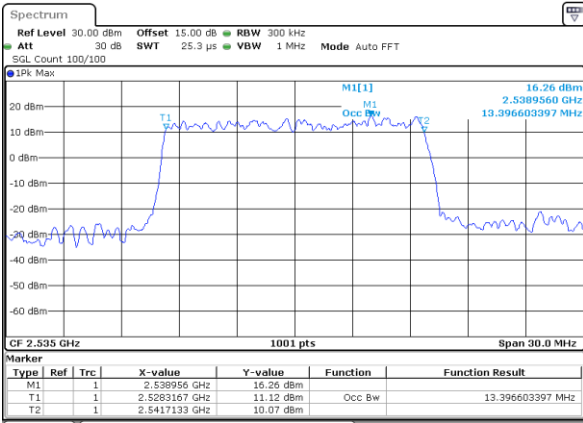
Date: 7 AUG 2019 11:08:20

Lowest Channel / 15MHz / 16QAM



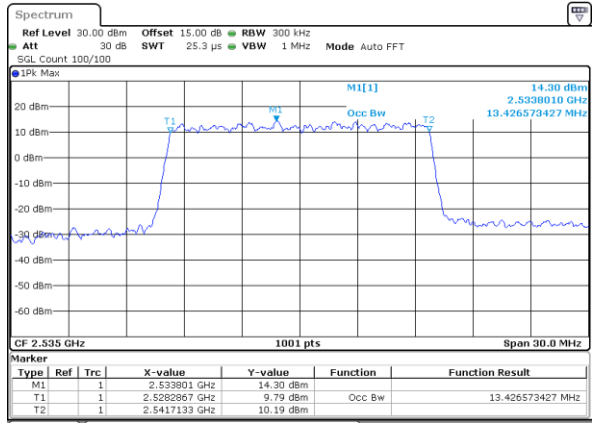
Date: 7 AUG 2019 11:08:50

Middle Channel / 15MHz / QPSK



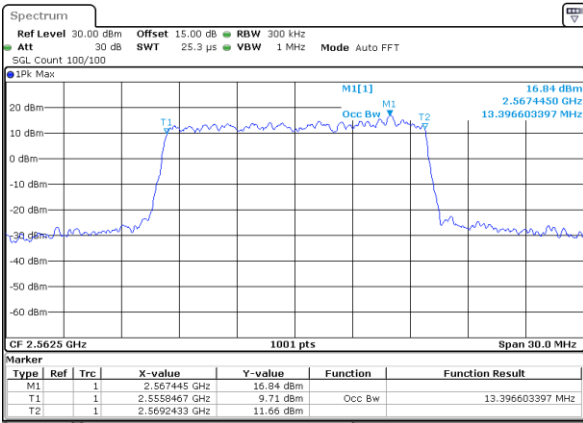
Date: 7 AUG 2019 11:08:30

Middle Channel / 15MHz / 16QAM



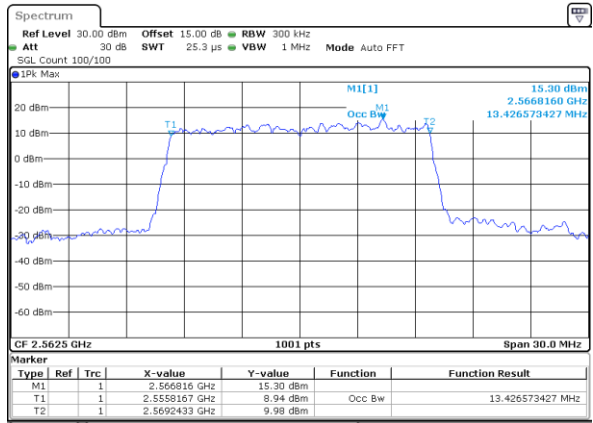
Date: 7 AUG 2019 11:09:00

Highest Channel / 15MHz / QPSK



Date: 7 AUG 2019 11:08:40

Highest Channel / 15MHz / 16QAM

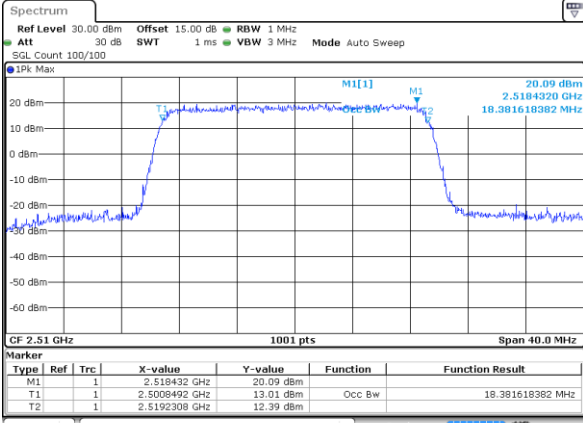


Date: 7 AUG 2019 11:09:10



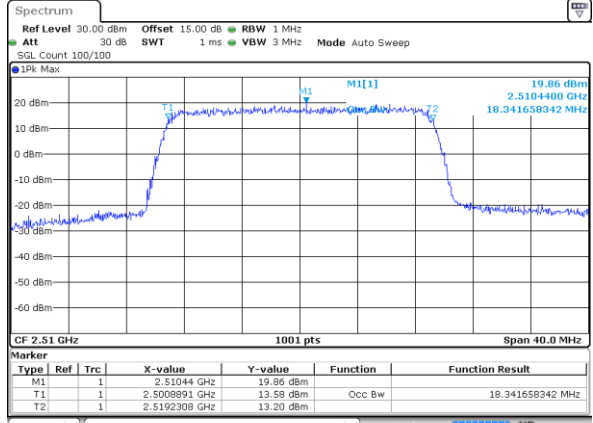
LTE Band 7

Lowest Channel / 20MHz / QPSK



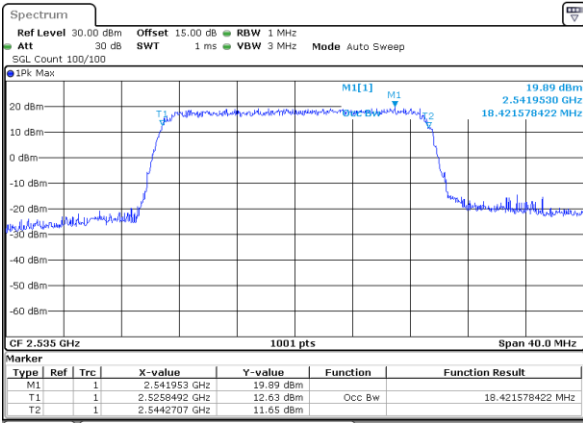
Date: 7 AUG 2019 14:26:56

Lowest Channel / 20MHz / 16QAM



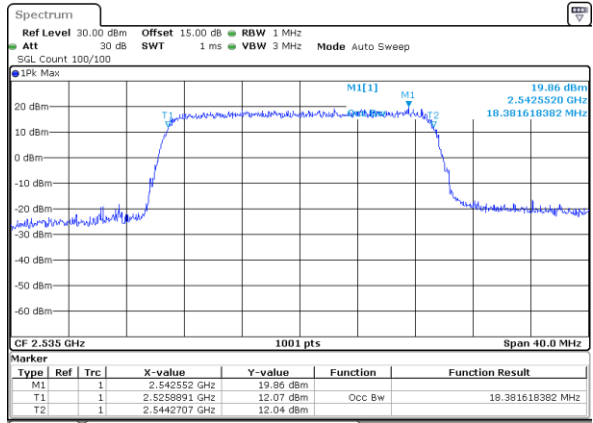
Date: 7 AUG 2019 11:16:02

Middle Channel / 20MHz / QPSK



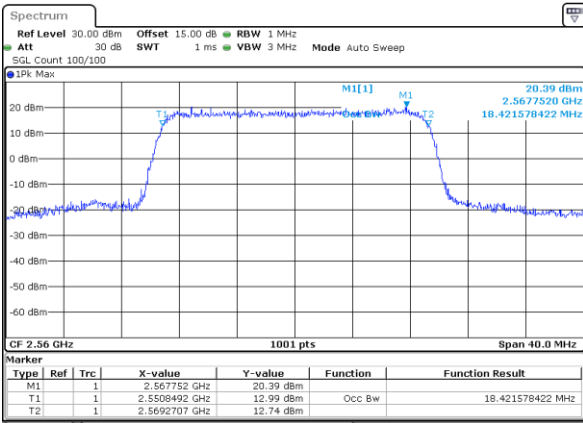
Date: 7 AUG 2019 11:15:42

Middle Channel / 20MHz / 16QAM



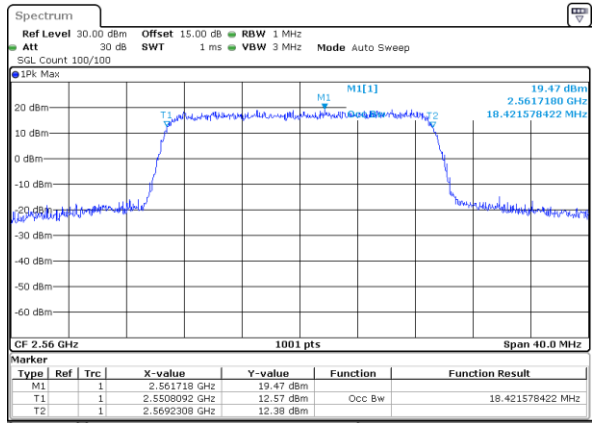
Date: 7 AUG 2019 11:16:12

Highest Channel / 20MHz / QPSK



Date: 7 AUG 2019 11:15:52

Highest Channel / 20MHz / 16QAM



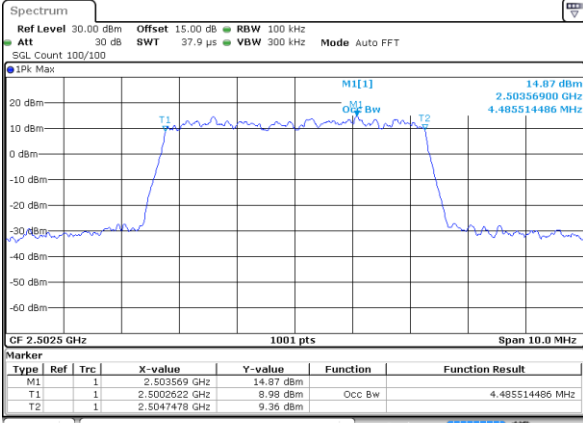
Date: 7 AUG 2019 11:16:22





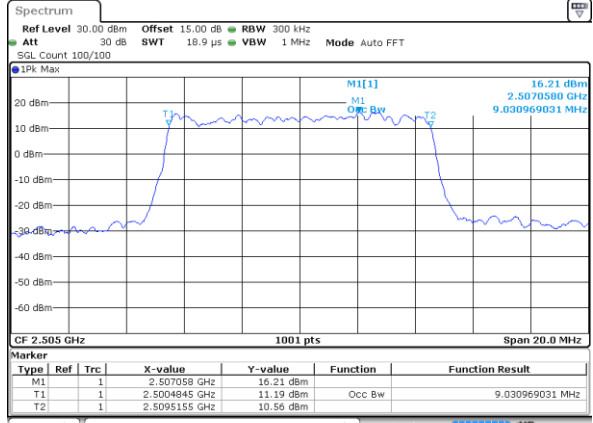
LTE Band 7

Lowest Channel / 5MHz / 64QAM



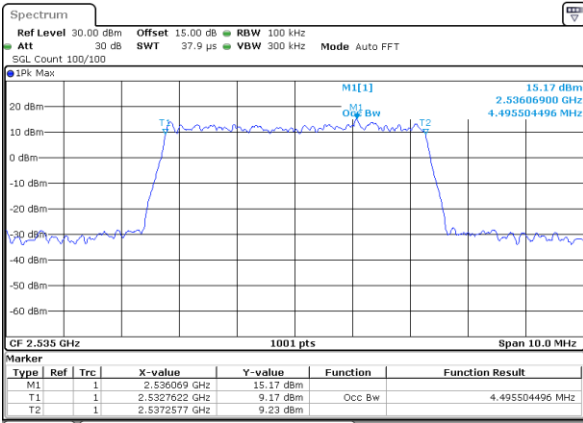
Date: 7 AUG 2019 13:52:27

Lowest Channel / 10MHz / 64QAM



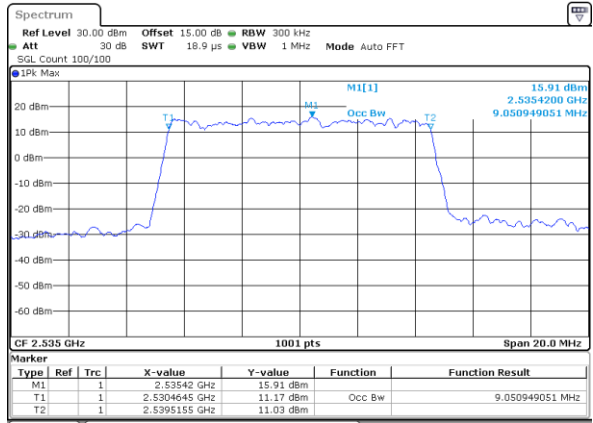
Date: 7 AUG 2019 13:52:56

Middle Channel / 5MHz / 64QAM



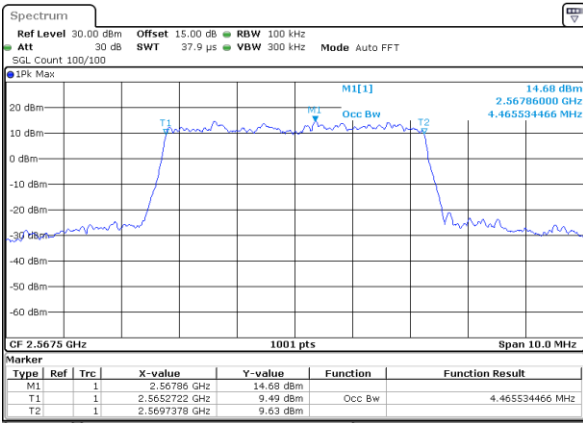
Date: 7 AUG 2019 13:52:37

Middle Channel / 10MHz / 64QAM



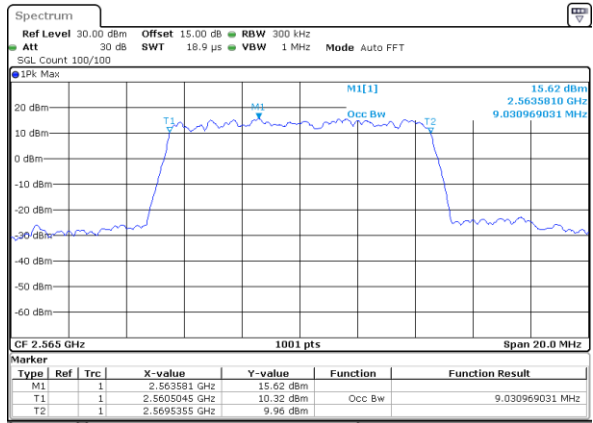
Date: 7 AUG 2019 13:53:06

Highest Channel / 5MHz / 64QAM



Date: 7 AUG 2019 13:52:46

Highest Channel / 10MHz / 64QAM

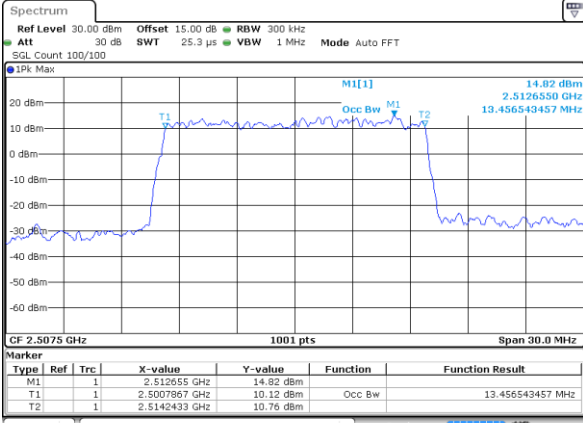


Date: 7 AUG 2019 13:53:16



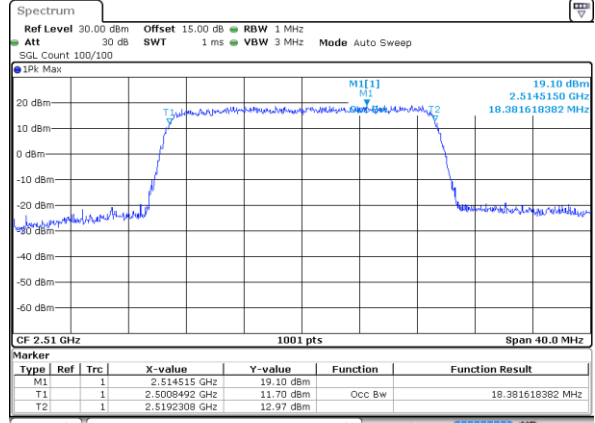
LTE Band 7

Lowest Channel / 15MHz / 64QAM



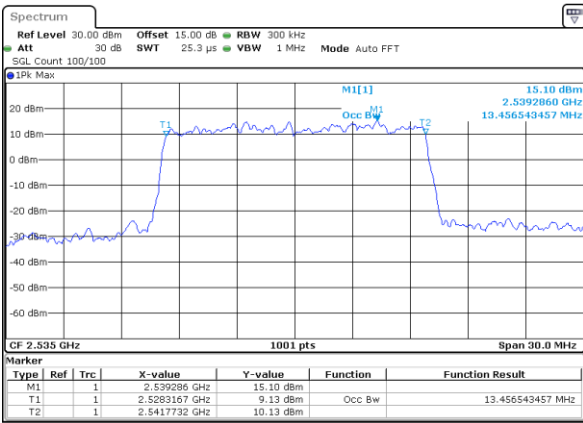
Date: 7 AUG 2019 13:53:25

Lowest Channel / 20MHz / 64QAM



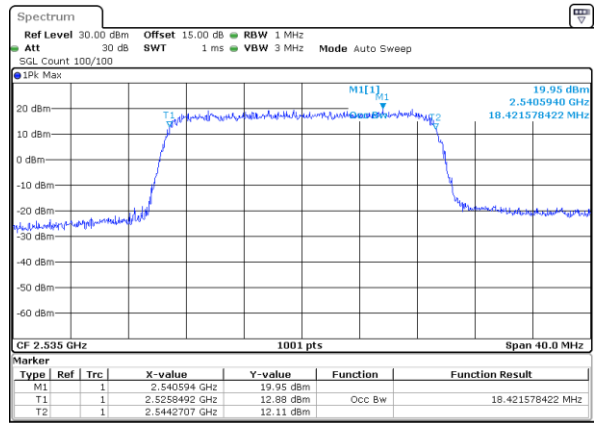
Date: 7 AUG 2019 13:53:55

Middle Channel / 15MHz / 64QAM



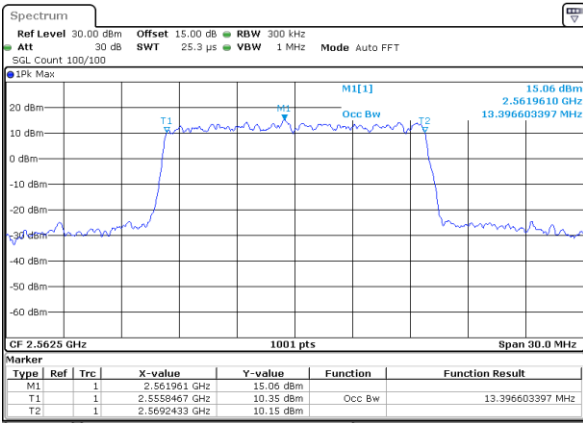
Date: 7 AUG 2019 13:53:35

Middle Channel / 20MHz / 64QAM



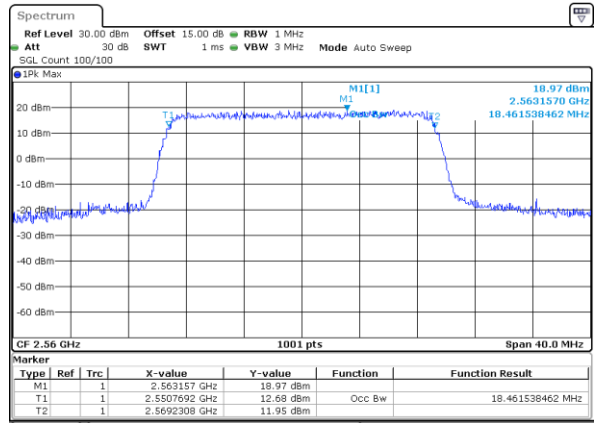
Date: 7 AUG 2019 13:54:05

Highest Channel / 15MHz / 64QAM



Date: 7 AUG 2019 13:53:45

Highest Channel / 20MHz / 64QAM

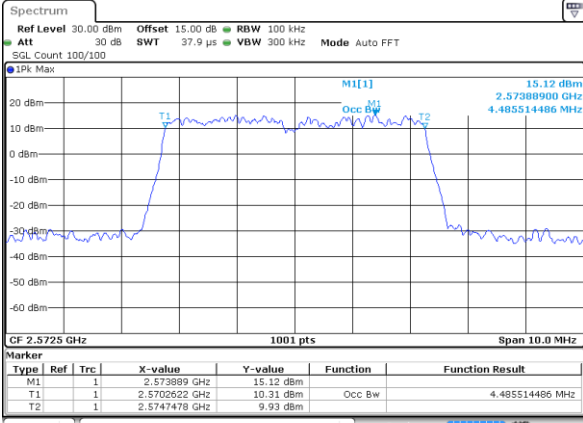


Date: 7 AUG 2019 13:54:15



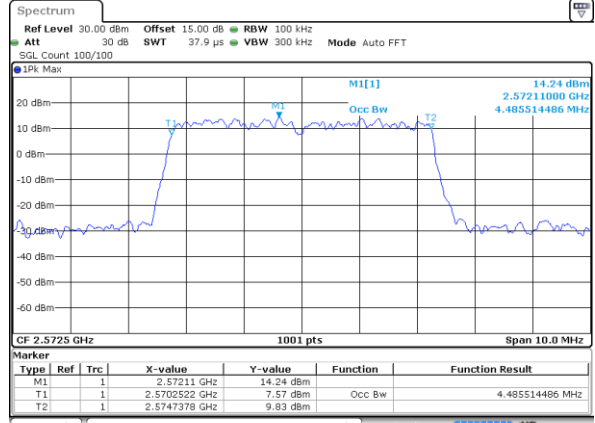
LTE Band 38

Lowest Channel / 5MHz / QPSK



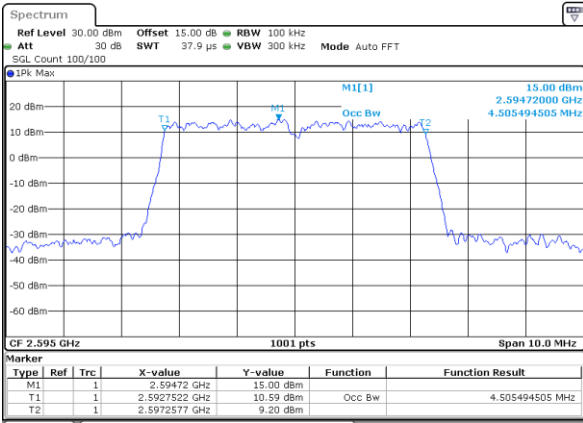
Date: 18 JUL 2019 16:43:47

Lowest Channel / 5MHz / 16QAM



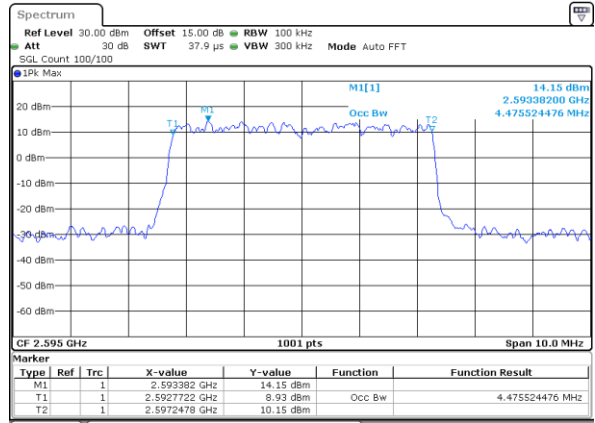
Date: 18 JUL 2019 16:34:44

Middle Channel / 5MHz / QPSK



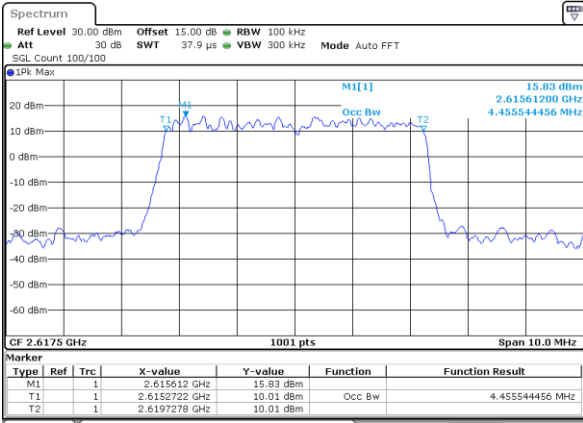
Date: 18 JUL 2019 16:35:16

Middle Channel / 5MHz / 16QAM



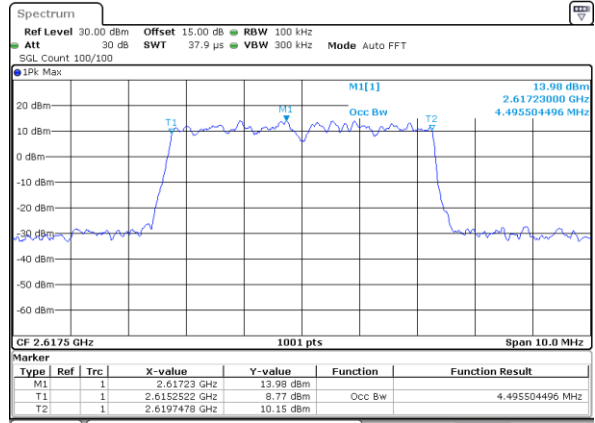
Date: 18 JUL 2019 16:35:27

Highest Channel / 5MHz / QPSK



Date: 18 JUL 2019 16:35:59

Highest Channel / 5MHz / 16QAM

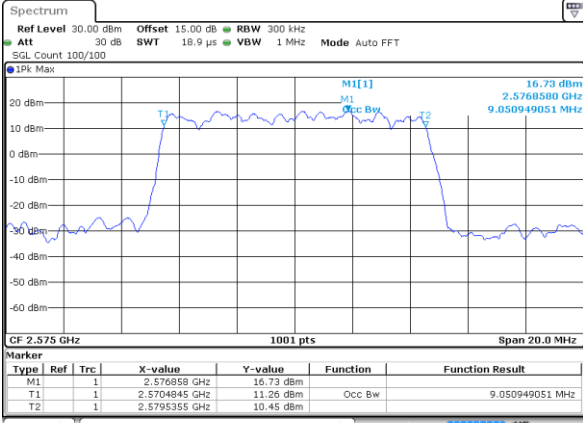


Date: 18 JUL 2019 16:36:09



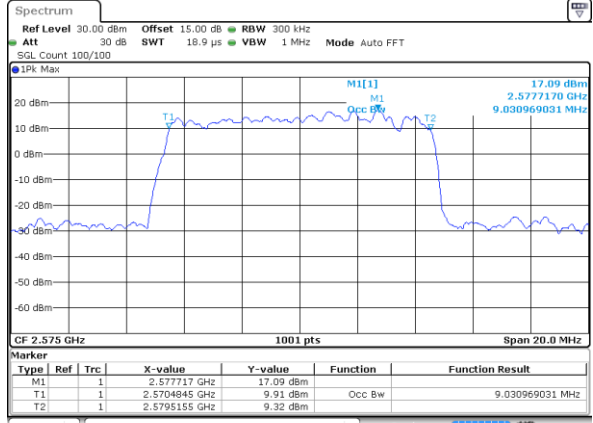
LTE Band 38

Lowest Channel / 10MHz / QPSK



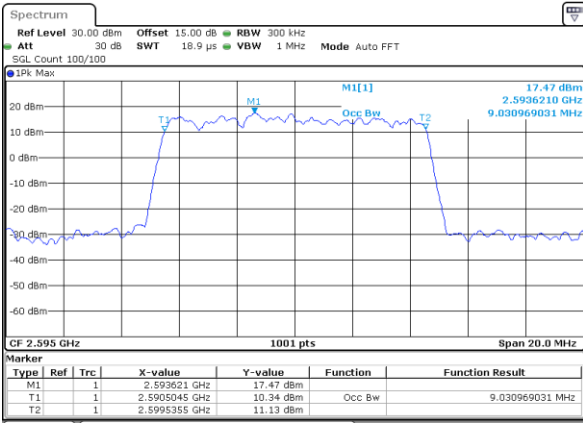
Date: 18 JUL 2019 16:12:56

Lowest Channel / 10MHz / 16QAM



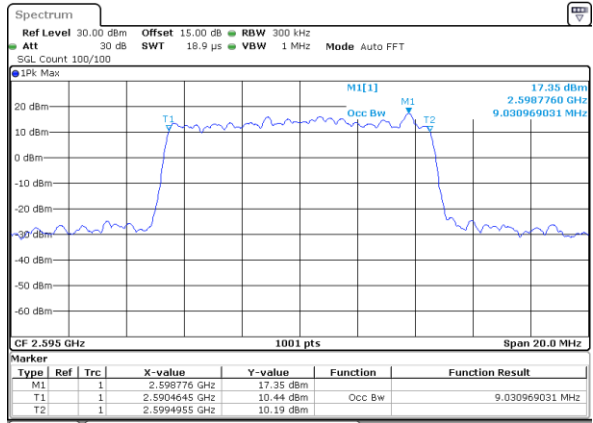
Date: 18 JUL 2019 16:13:07

Middle Channel / 10MHz / QPSK



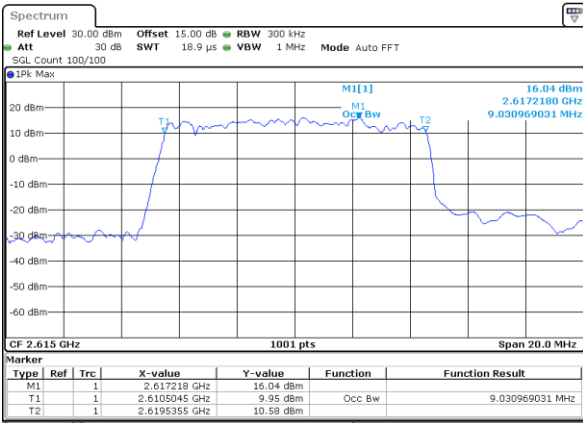
Date: 18 JUL 2019 16:20:05

Middle Channel / 10MHz / 16QAM



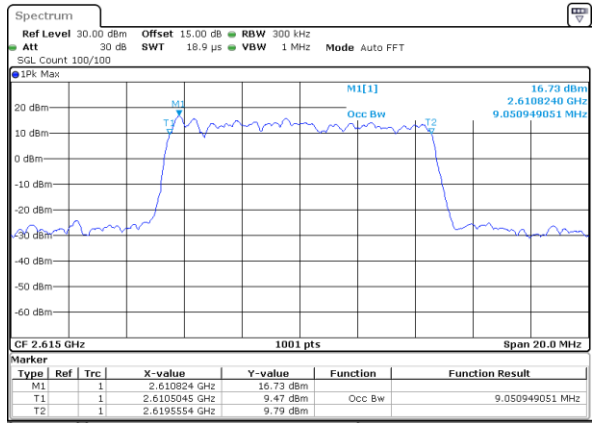
Date: 18 JUL 2019 16:20:16

Highest Channel / 10MHz / QPSK



Date: 18 JUL 2019 16:22:36

Highest Channel / 10MHz / 16QAM

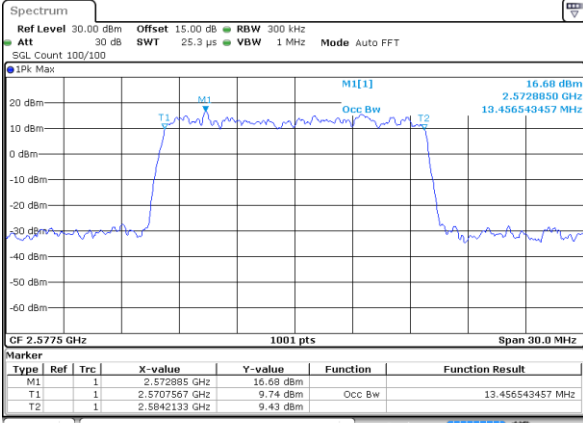


Date: 18 JUL 2019 16:22:46



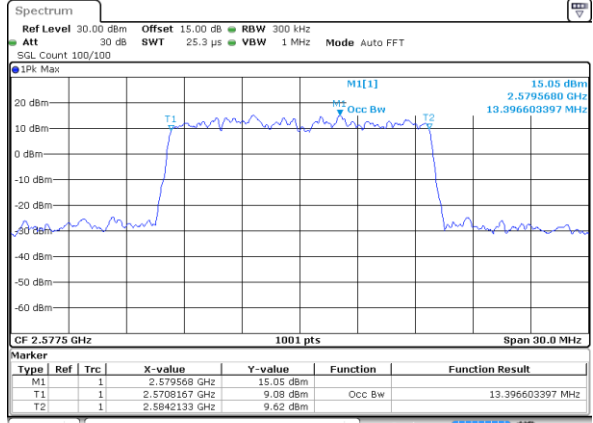
LTE Band 38

Lowest Channel / 15MHz / QPSK



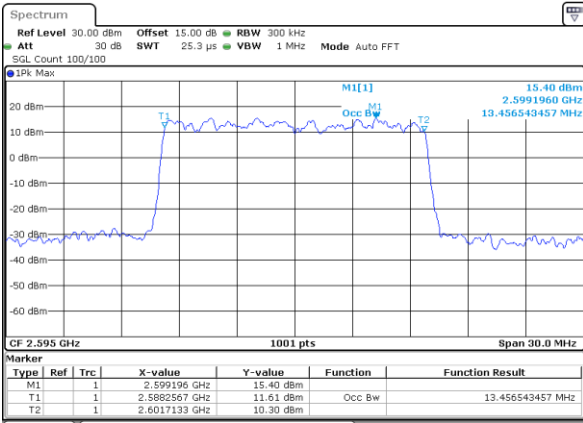
Date: 18 JUL 2019 16:29:45

Lowest Channel / 15MHz / 16QAM



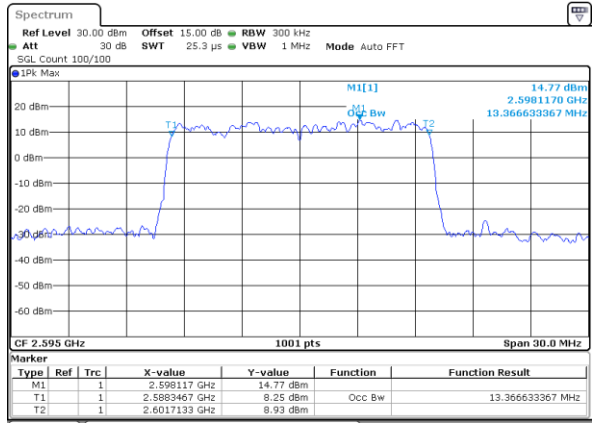
Date: 18 JUL 2019 16:29:55

Middle Channel / 15MHz / QPSK



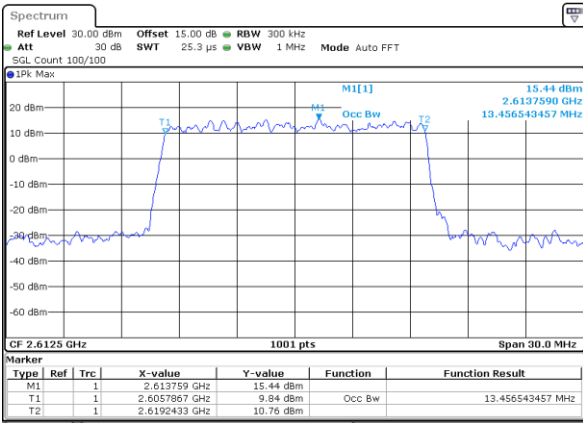
Date: 18 JUL 2019 16:44:46

Middle Channel / 15MHz / 16QAM



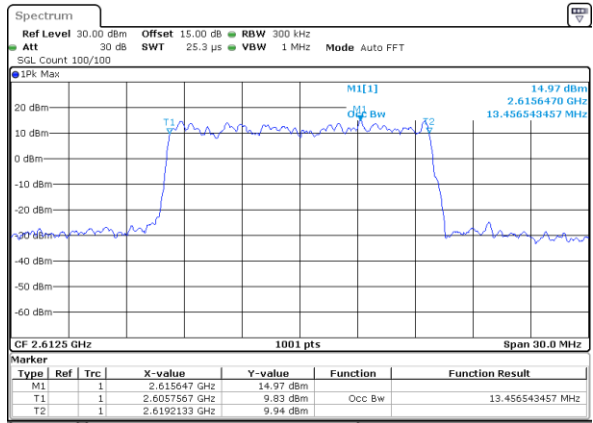
Date: 18 JUL 2019 16:36:41

Highest Channel / 15MHz / QPSK



Date: 18 JUL 2019 16:37:12

Highest Channel / 15MHz / 16QAM

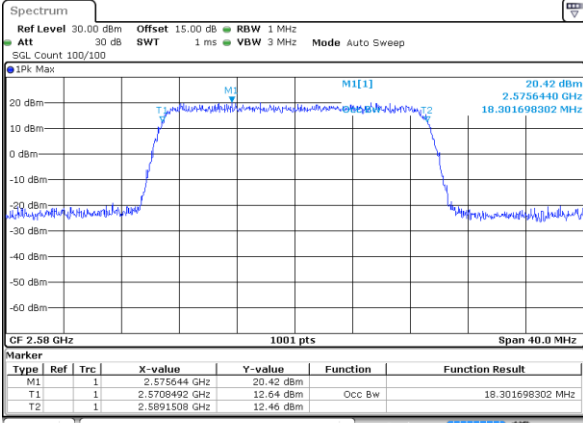


Date: 18 JUL 2019 16:37:23



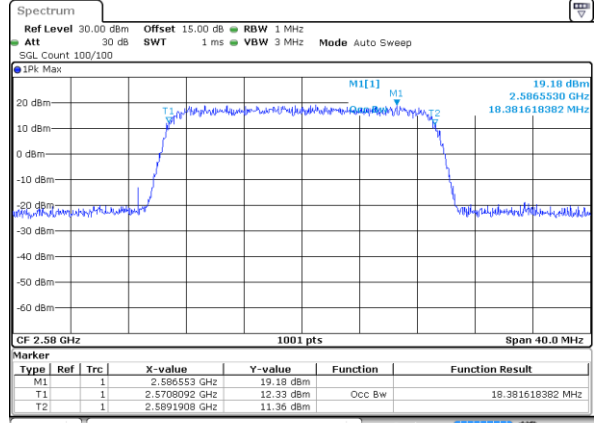
LTE Band 38

Lowest Channel / 20MHz / QPSK



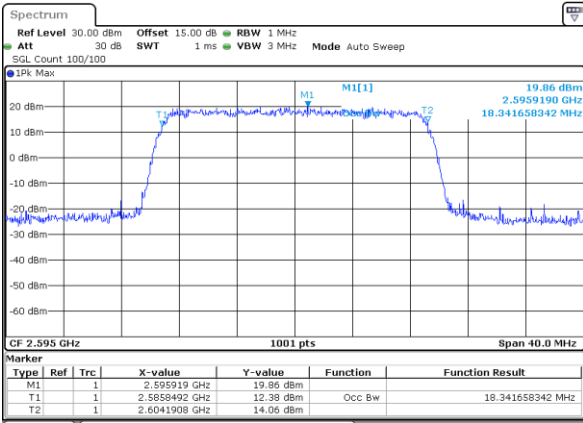
Date: 18 JUL 2019 16:37:54

Lowest Channel / 20MHz / 16QAM



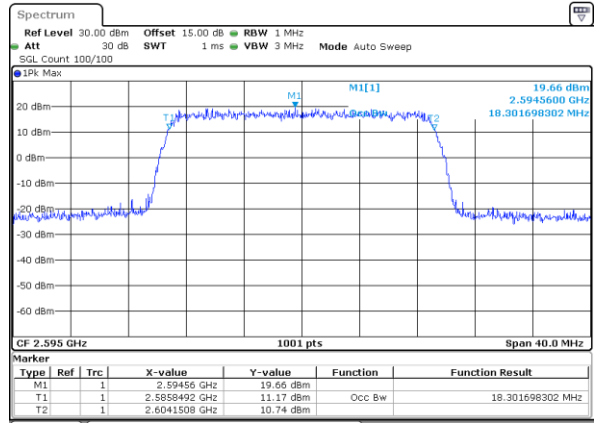
Date: 18 JUL 2019 16:38:05

Middle Channel / 20MHz / QPSK



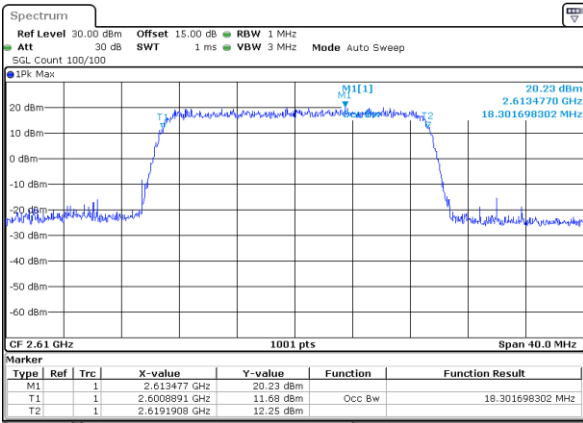
Date: 18 JUL 2019 16:38:37

Middle Channel / 20MHz / 16QAM



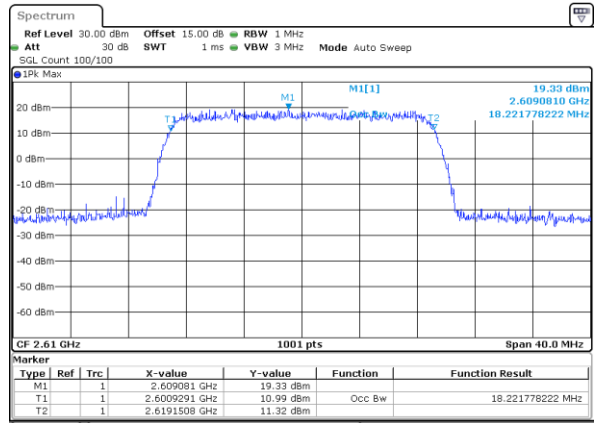
Date: 18 JUL 2019 16:38:47

Highest Channel / 20MHz / QPSK



Date: 18 JUL 2019 16:39:19

Highest Channel / 20MHz / 16QAM

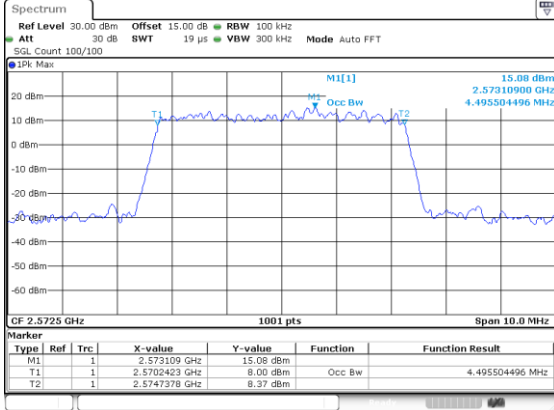


Date: 18 JUL 2019 16:39:30

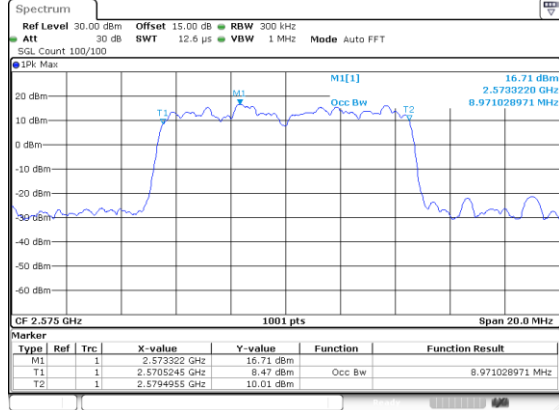


LTE Band 38

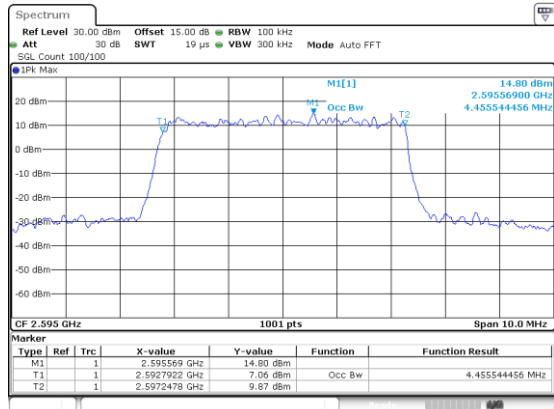
Lowest Channel / 5MHz / 64QAM



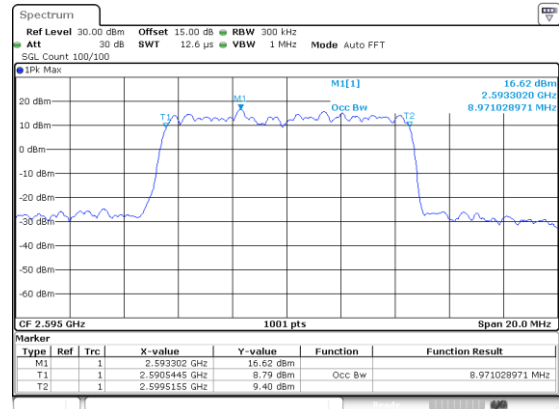
Lowest Channel / 10MHz / 64QAM



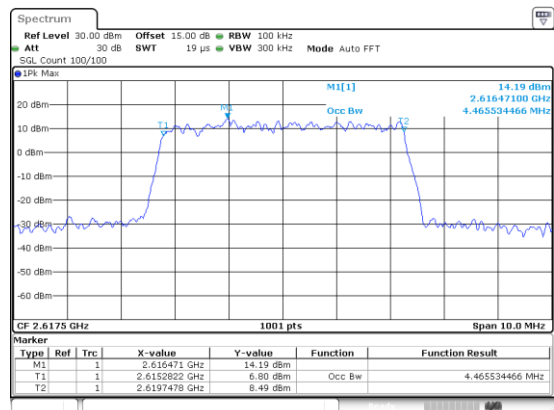
Middle Channel / 5MHz / 64QAM



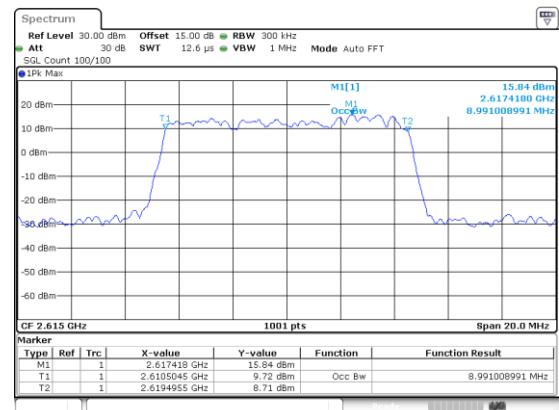
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



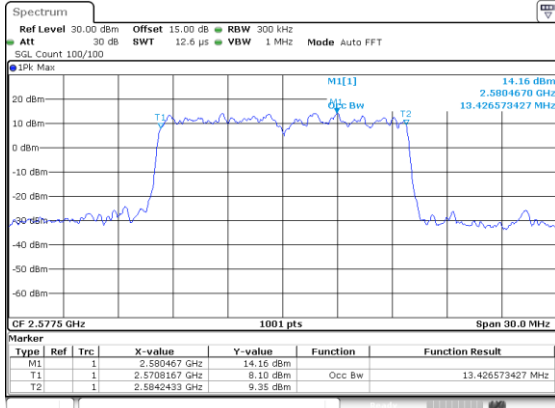
Highest Channel / 10MHz / 64QAM



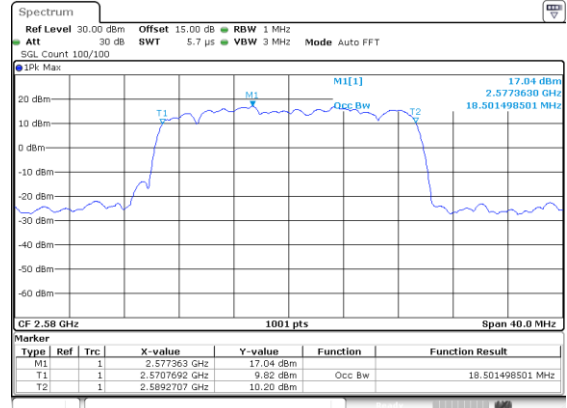


LTE Band 38

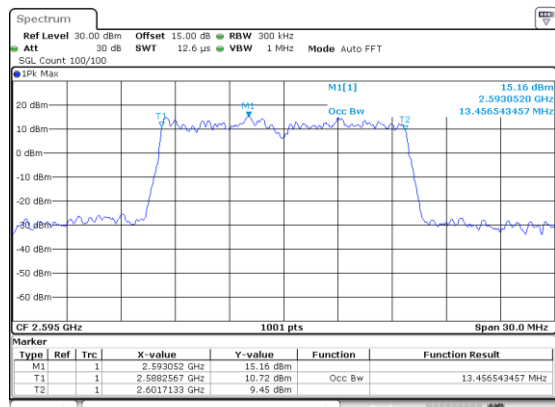
Lowest Channel / 15MHz / 64QAM



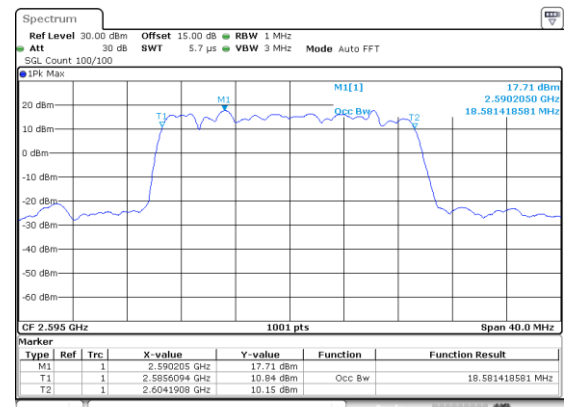
Lowest Channel / 20MHz / 64QAM



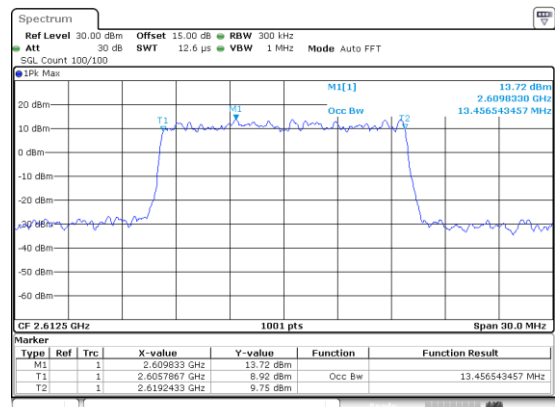
Middle Channel / 15MHz / 64QAM



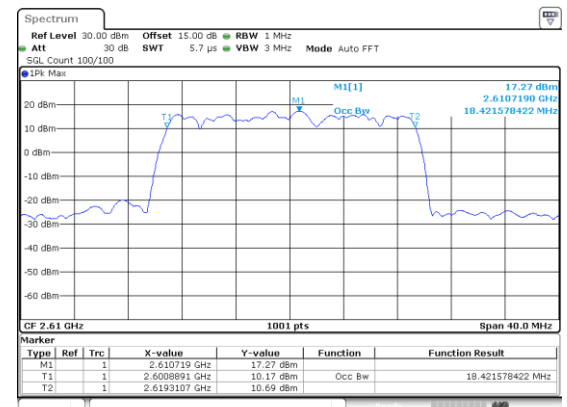
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



Highest Channel / 20MHz / 64QAM

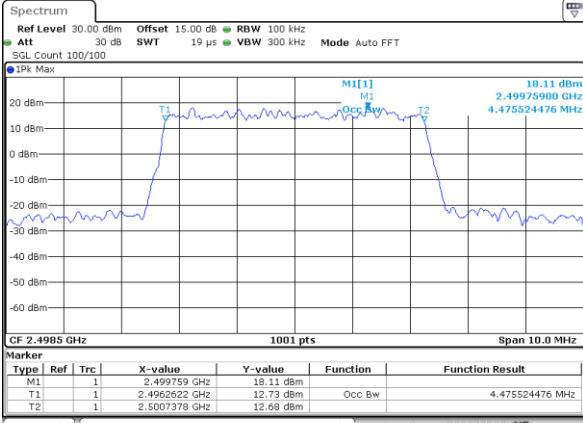






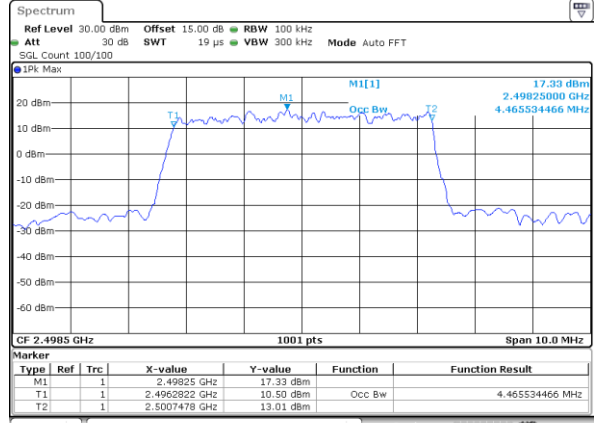
LTE Band 41

Lowest Channel / 5MHz / QPSK



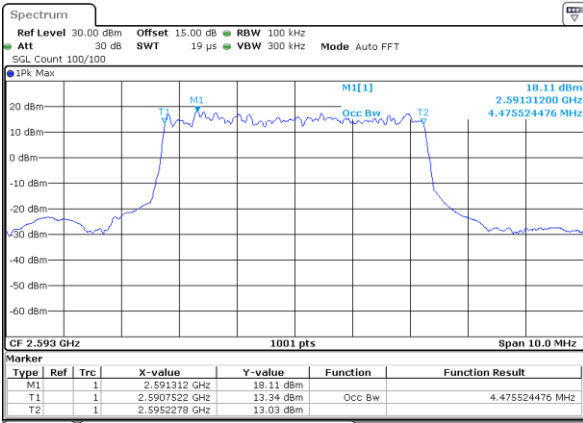
Date: 14\_JUL\_2019 00:17:06

Lowest Channel / 5MHz / 16QAM



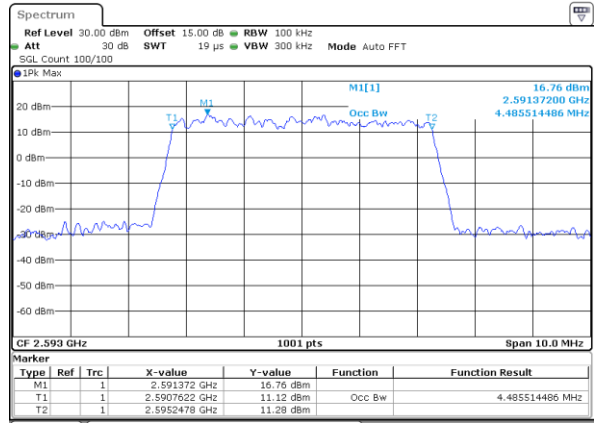
Date: 14\_JUL\_2019 00:17:38

Middle Channel / 5MHz / QPSK



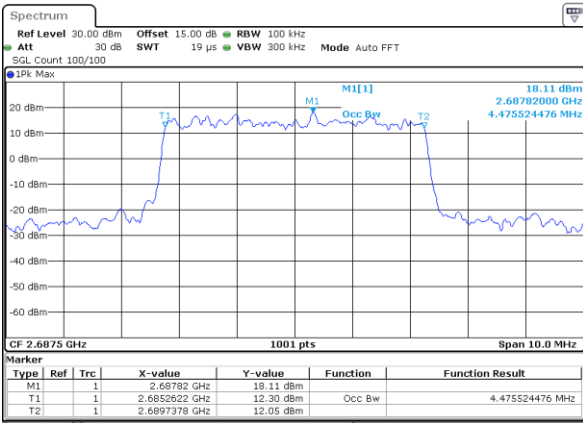
Date: 14\_JUL\_2019 00:17:17

Middle Channel / 5MHz / 16QAM



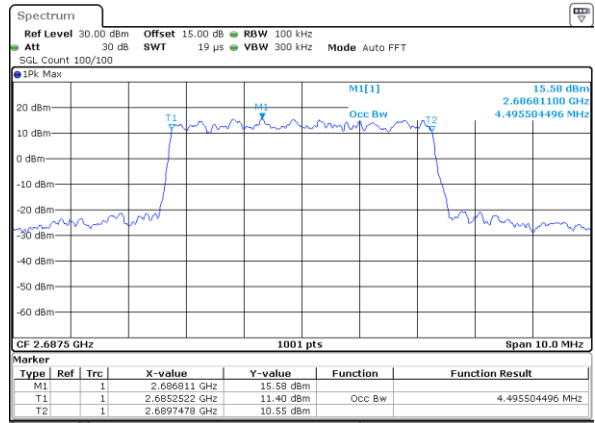
Date: 14\_JUL\_2019 00:17:48

Highest Channel / 5MHz / QPSK



Date: 14\_JUL\_2019 00:17:27

Highest Channel / 5MHz / 16QAM

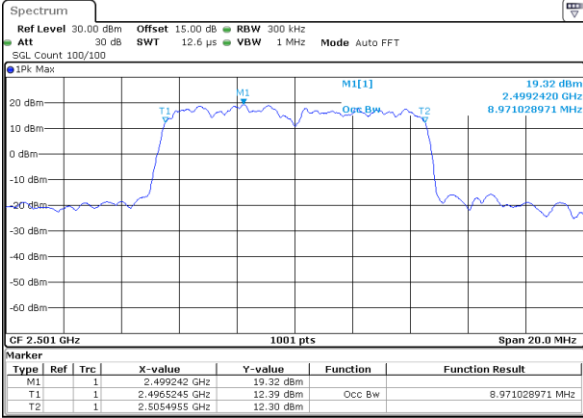


Date: 14\_JUL\_2019 00:17:58



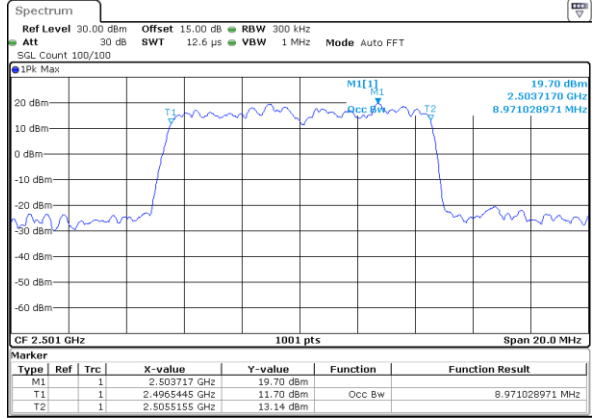
LTE Band 41

Lowest Channel / 10MHz / QPSK



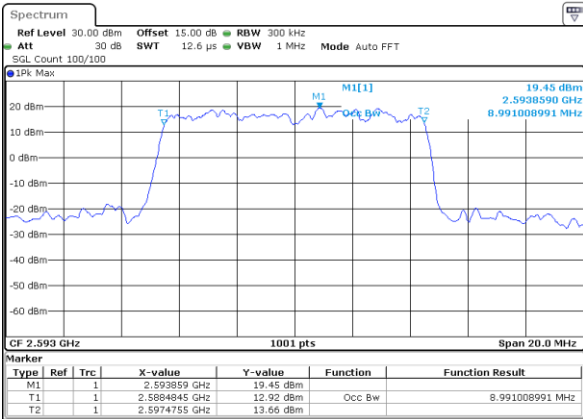
Date: 14\_JUL\_2019 00:24:41

Lowest Channel / 10MHz / 16QAM



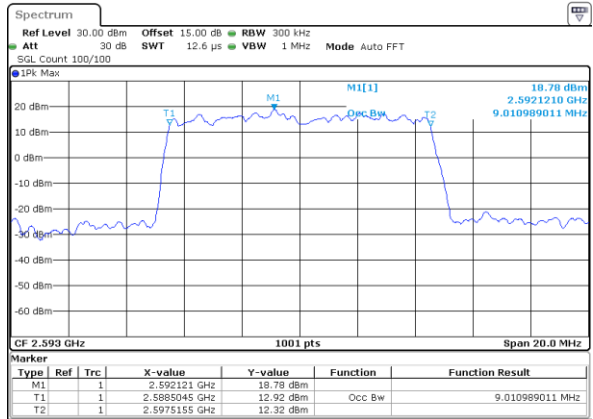
Date: 14\_JUL\_2019 00:25:132

Middle Channel / 10MHz / QPSK



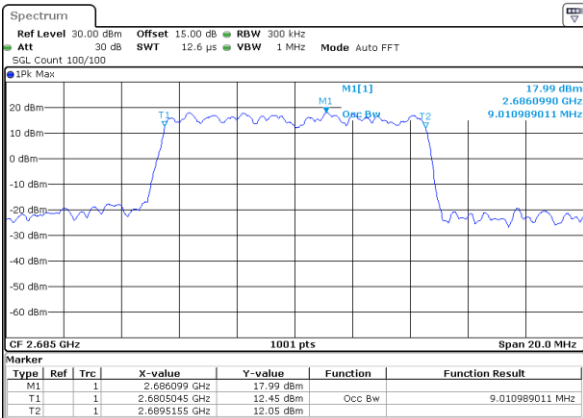
Date: 14\_JUL\_2019 00:24:51

Middle Channel / 10MHz / 16QAM



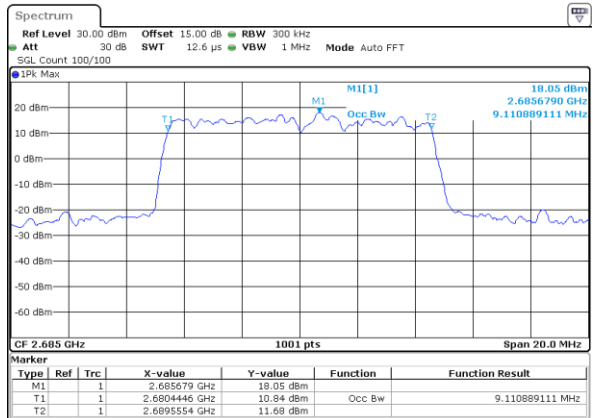
Date: 14\_JUL\_2019 00:25:112

Highest Channel / 10MHz / QPSK



Date: 14\_JUL\_2019 00:25:02

Highest Channel / 10MHz / 16QAM

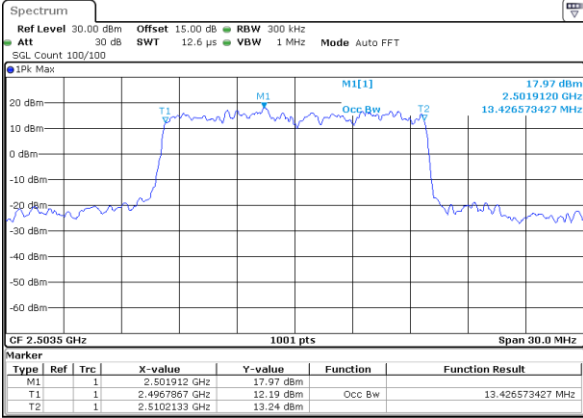


Date: 14\_JUL\_2019 00:25:122



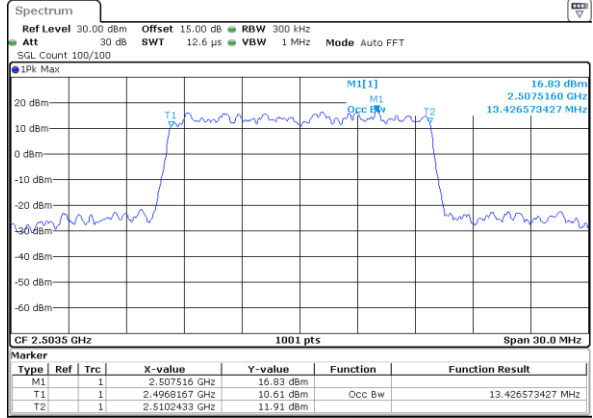
LTE Band 41

Lowest Channel / 15MHz / QPSK



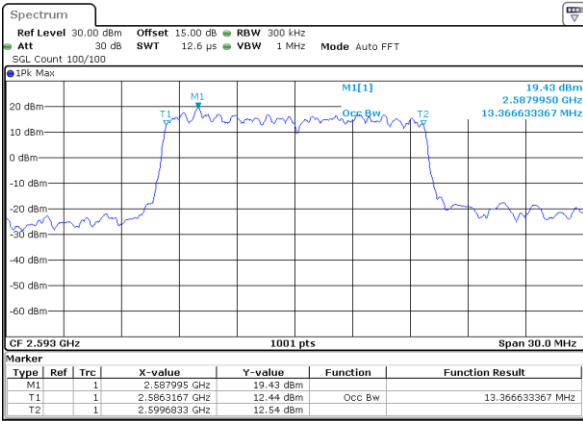
Date: 14\_JUL\_2019 00:32:16

Lowest Channel / 15MHz / 16QAM



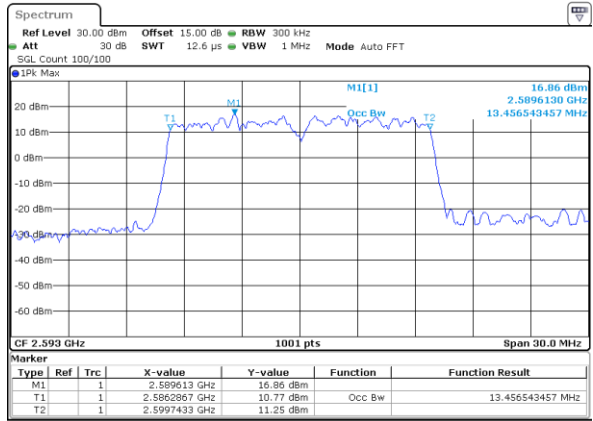
Date: 14\_JUL\_2019 00:32:47

Middle Channel / 15MHz / QPSK



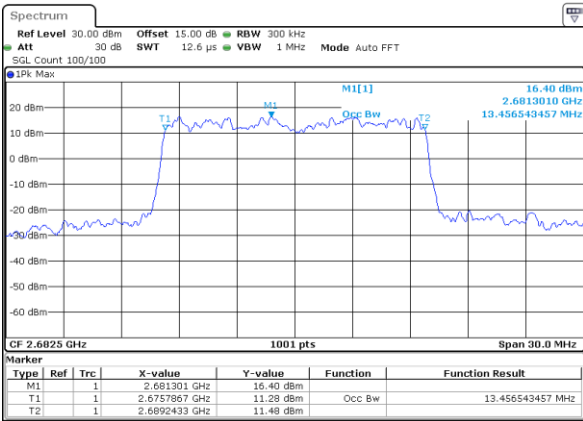
Date: 14\_JUL\_2019 00:32:26

Middle Channel / 15MHz / 16QAM



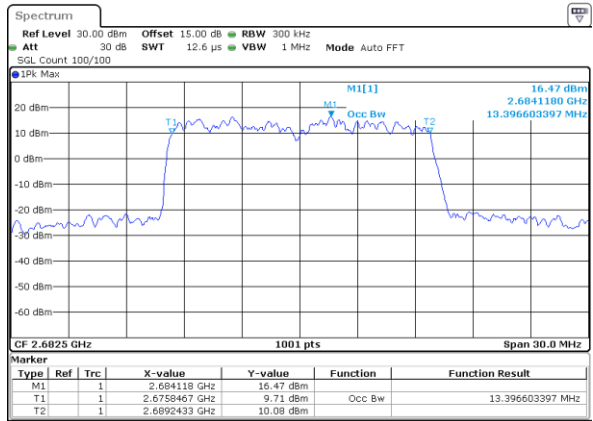
Date: 14\_JUL\_2019 00:32:57

Highest Channel / 15MHz / QPSK



Date: 14\_JUL\_2019 00:32:37

Highest Channel / 15MHz / 16QAM

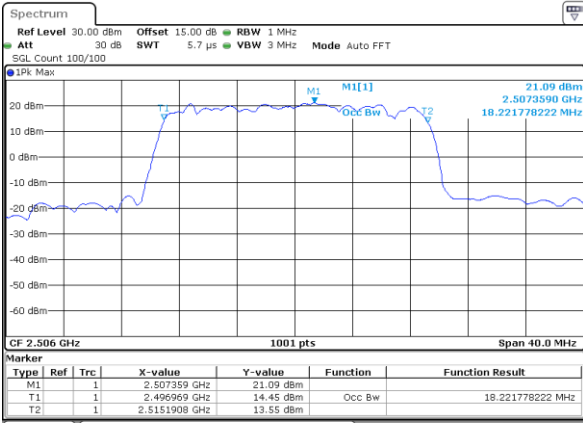


Date: 14\_JUL\_2019 00:33:07



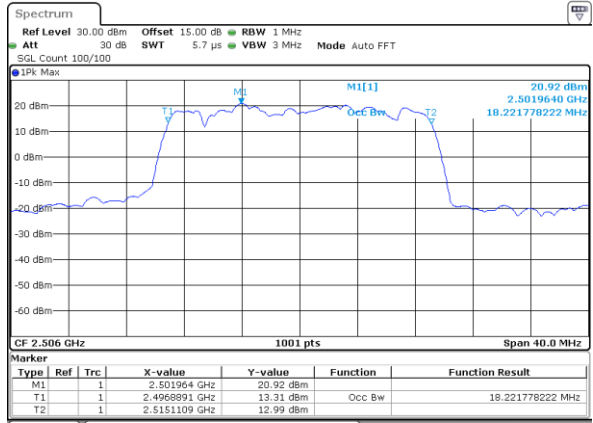
LTE Band 41

Lowest Channel / 20MHz / QPSK



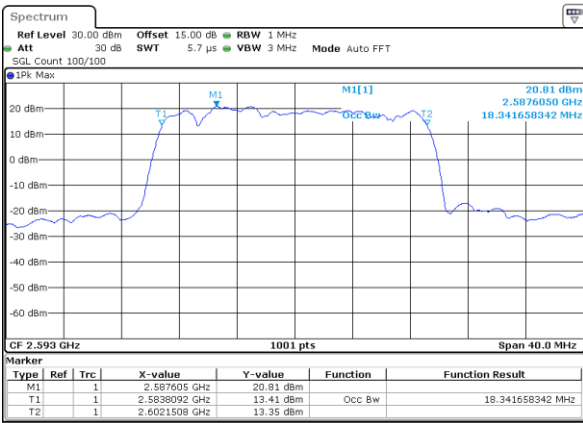
Date: 14\_JUL\_2019 00:39:51

Lowest Channel / 20MHz / 16QAM



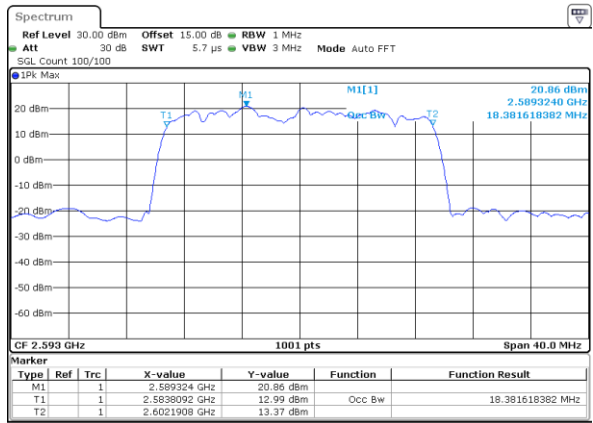
Date: 14\_JUL\_2019 00:40:22

Middle Channel / 20MHz / QPSK



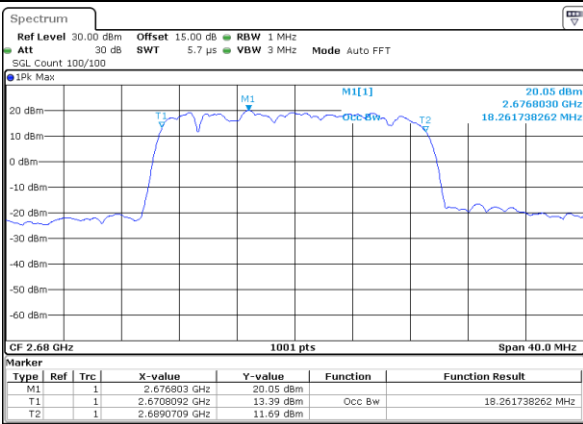
Date: 14\_JUL\_2019 00:40:02

Middle Channel / 20MHz / 16QAM



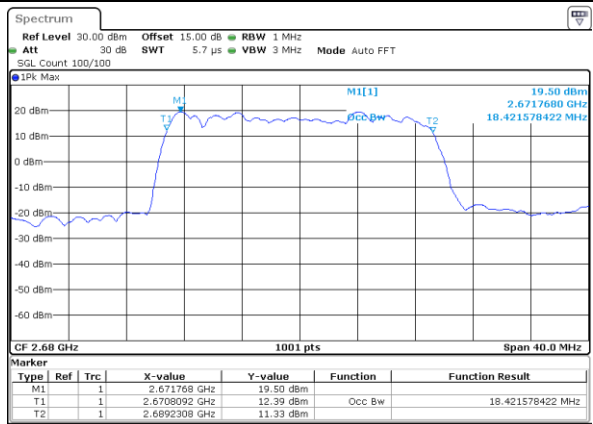
Date: 14\_JUL\_2019 00:40:33

Highest Channel / 20MHz / QPSK



Date: 14\_JUL\_2019 00:40:12

Highest Channel / 20MHz / 16QAM

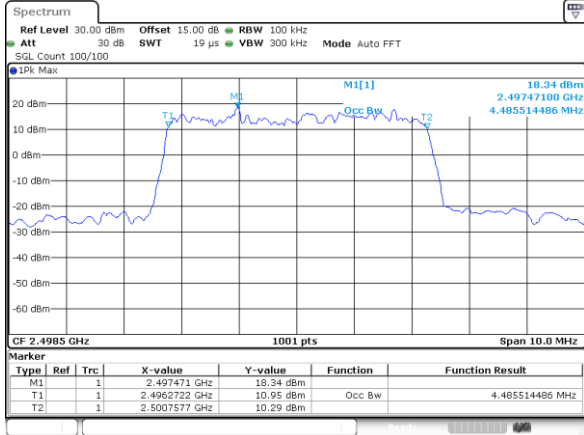


Date: 14\_JUL\_2019 00:40:43



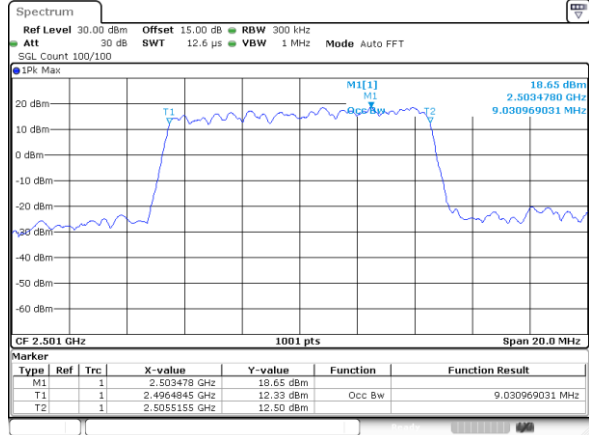
LTE Band 41

Lowest Channel / 5MHz / 64QAM



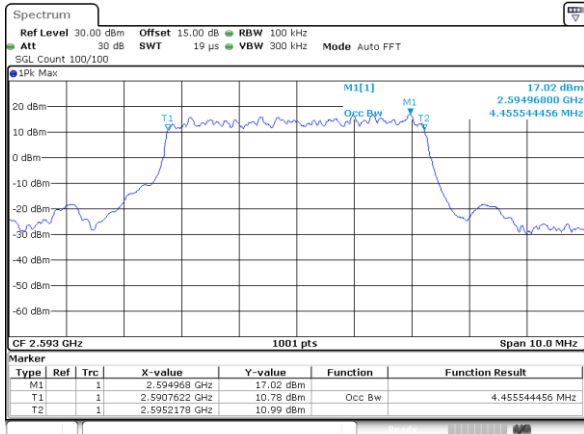
Date: 14.JUL.2019 04:35:55

Lowest Channel / 10MHz / 64QAM



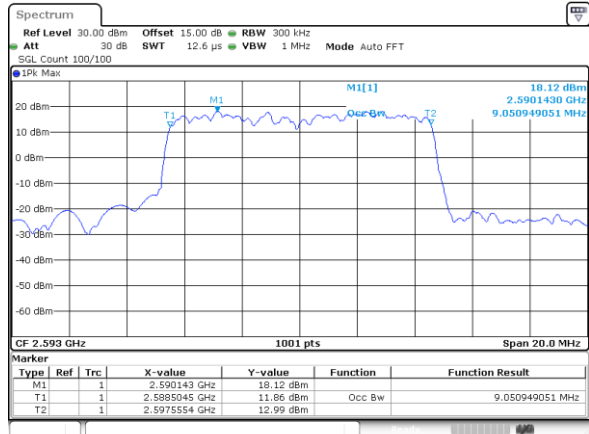
Date: 14.JUL.2019 04:36:56

Middle Channel / 5MHz / 64QAM



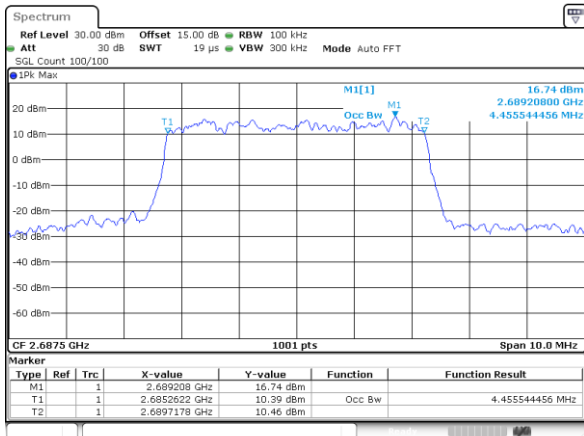
Date: 14.JUL.2019 04:36:05

Middle Channel / 10MHz / 64QAM



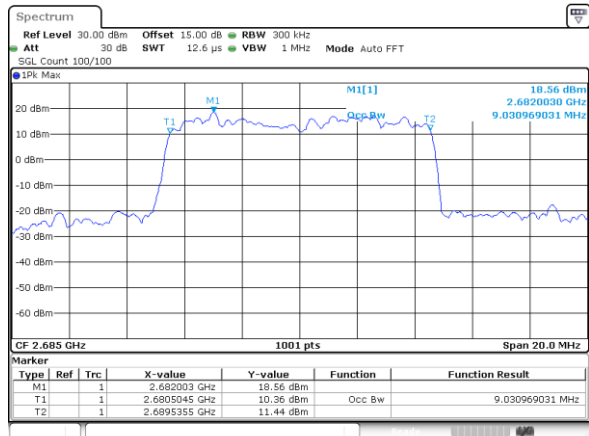
Date: 14.JUL.2019 04:37:06

Highest Channel / 5MHz / 64QAM



Date: 14.JUL.2019 04:36:15

Highest Channel / 10MHz / 64QAM

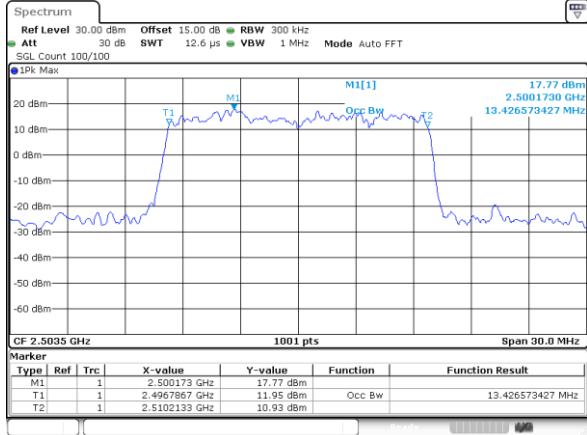


Date: 14.JUL.2019 04:37:16



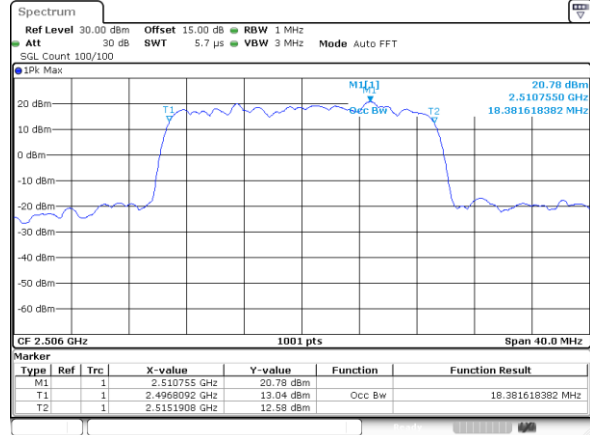
LTE Band 41

Lowest Channel / 15MHz / 64QAM



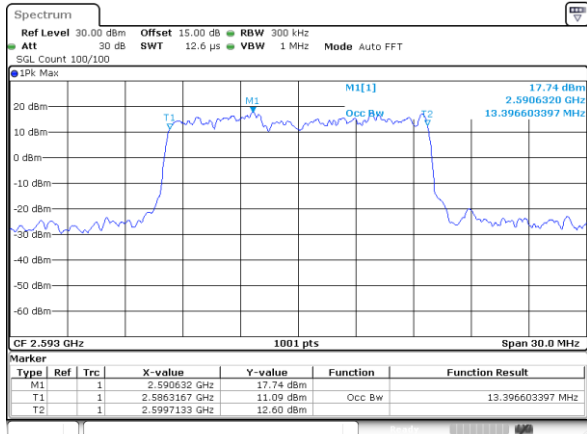
Date: 14\_JUL\_2019 04:37:57

Lowest Channel / 20MHz / 64QAM



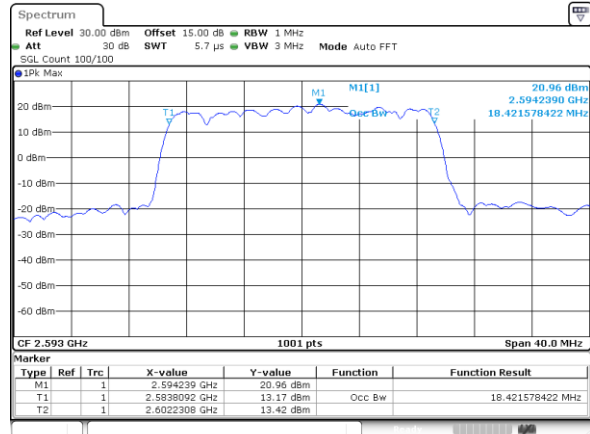
Date: 14\_JUL\_2019 04:38:58

Middle Channel / 15MHz / 64QAM



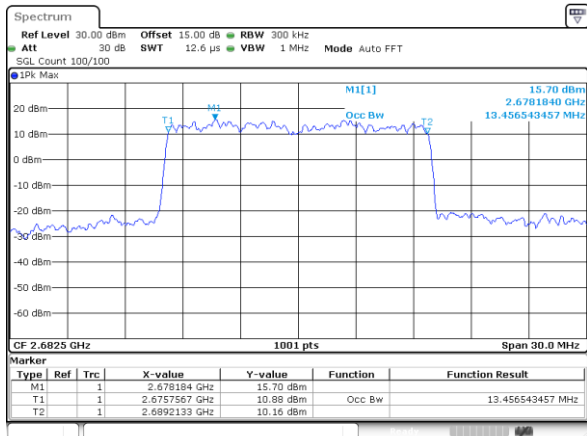
Date: 14\_JUL\_2019 04:38:07

Middle Channel / 20MHz / 64QAM



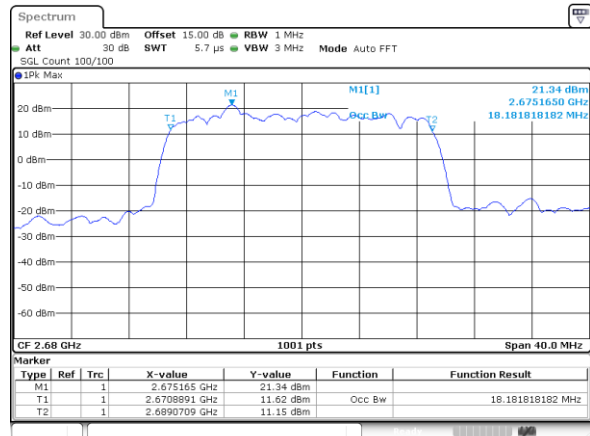
Date: 14\_JUL\_2019 04:39:08

Highest Channel / 15MHz / 64QAM



Date: 14\_JUL\_2019 04:38:17

Highest Channel / 20MHz / 64QAM



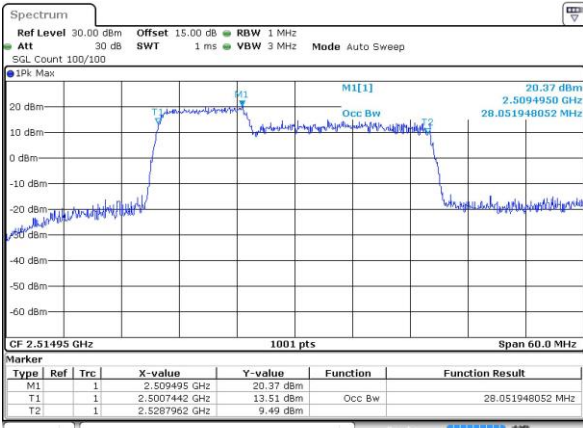
Date: 14\_JUL\_2019 04:39:18



LTE Band 7C\_CA

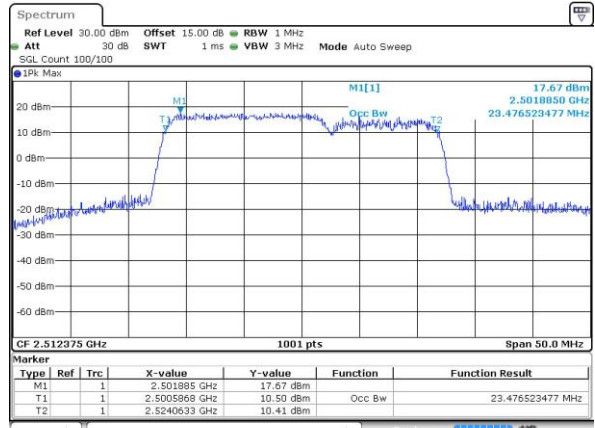
QPSK

Lowest Channel / 10MHz+20MHz



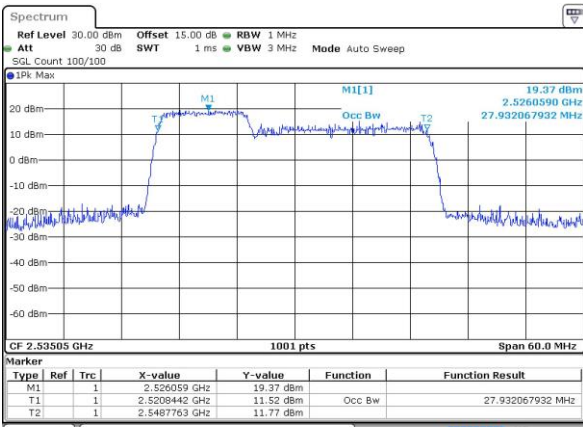
Date: 26 JUL 2019 10:20:23

Lowest Channel / 15MHz+10MHz



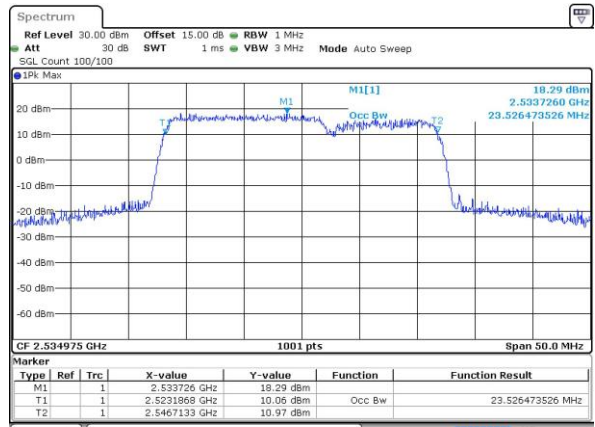
Date: 26 JUL 2019 23:47:11

Middle Channel / 10MHz+20MHz



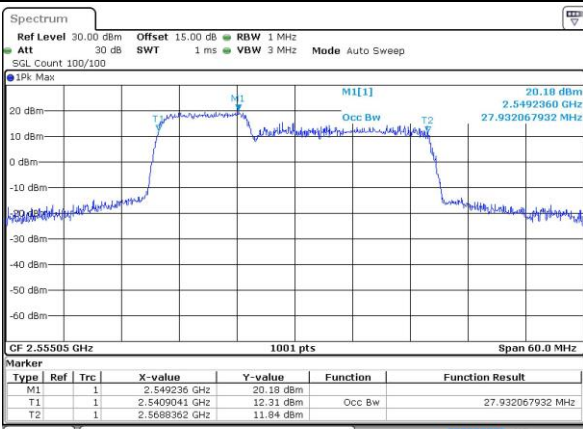
Date: 26 JUL 2019 11:41:11

Middle Channel / 15MHz+10MHz



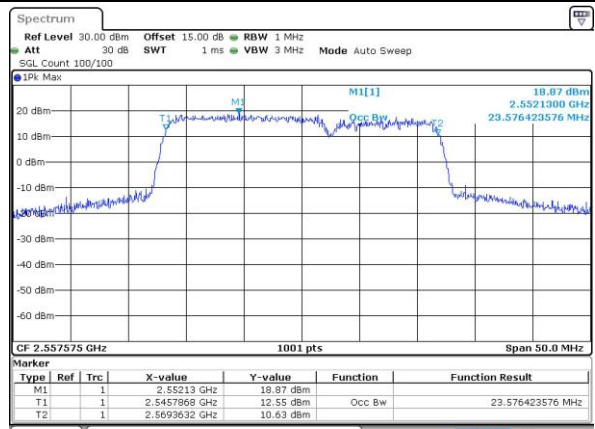
Date: 29 JUL 2019 01:18:35

Highest Channel / 10MHz+20MHz



Date: 26 JUL 2019 11:44:08

Highest Channel / 15MHz+10MHz



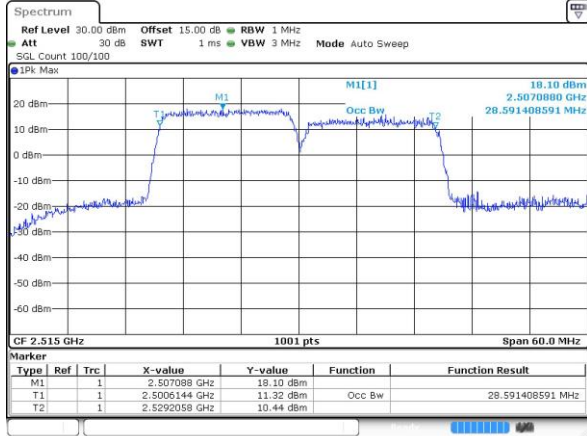
Date: 29 JUL 2019 01:17:50



LTE Band 7C\_CA

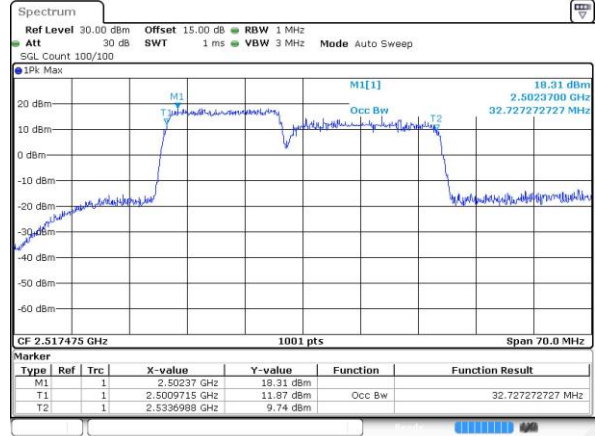
QPSK

Lowest Channel / 15MHz+15MHz



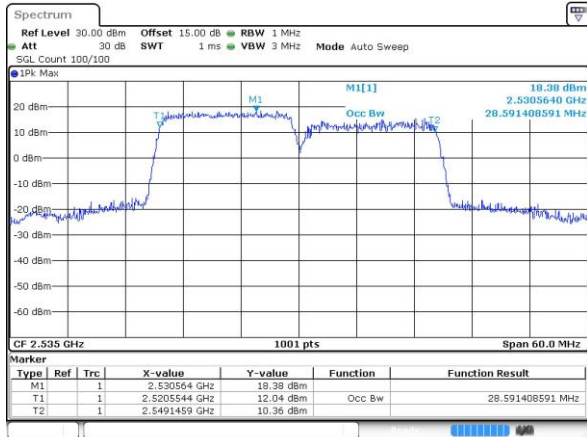
Date: 28 JUL 2019 10:56:37

Lowest Channel / 15MHz+20MHz



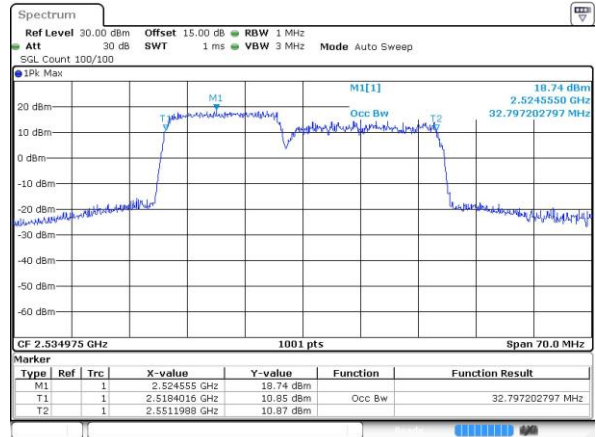
Date: 28 JUL 2019 13:36:53

Middle Channel / 15MHz+15MHz



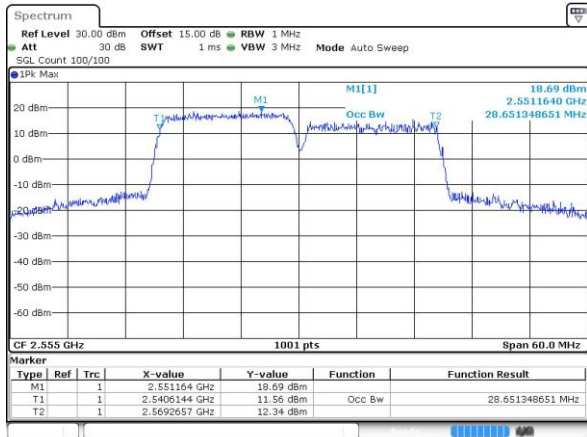
Date: 28 JUL 2019 12:59:24

Middle Channel / 15MHz+20MHz



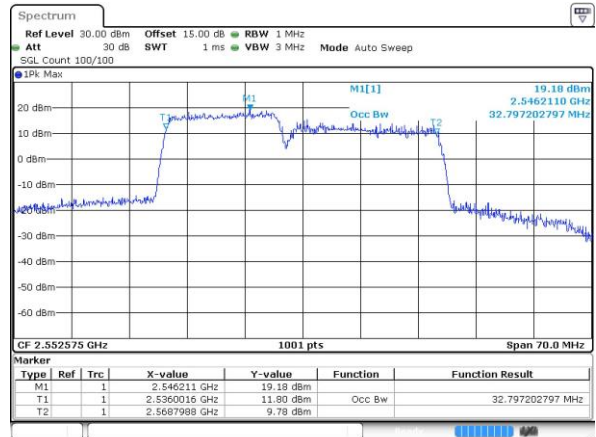
Date: 28 JUL 2019 14:28:01

Highest Channel / 15MHz+15MHz



Date: 28 JUL 2019 13:12:09

Highest Channel / 15MHz+20MHz



Date: 28 JUL 2019 14:42:46

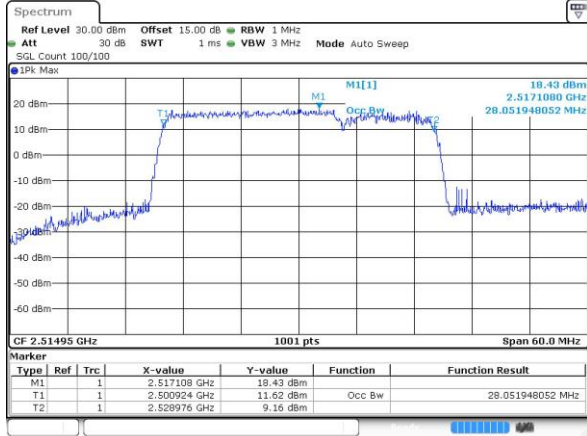




LTE Band 7C\_CA

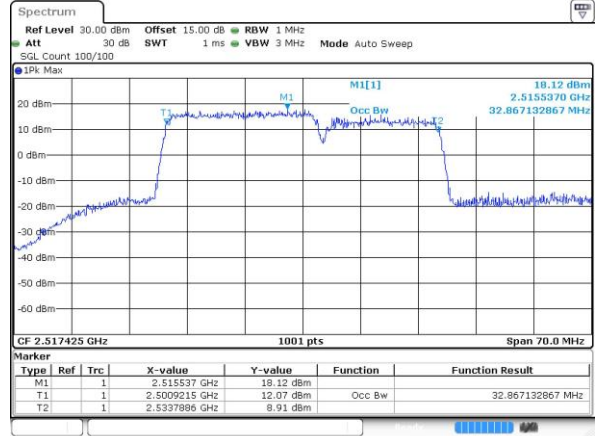
QPSK

Lowest Channel / 20MHz+10MHz



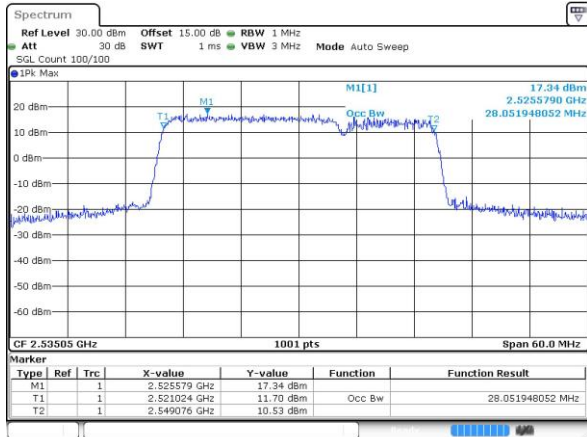
Date: 26 JUL 2019 17:29:40

Lowest Channel / 20MHz+15MHz



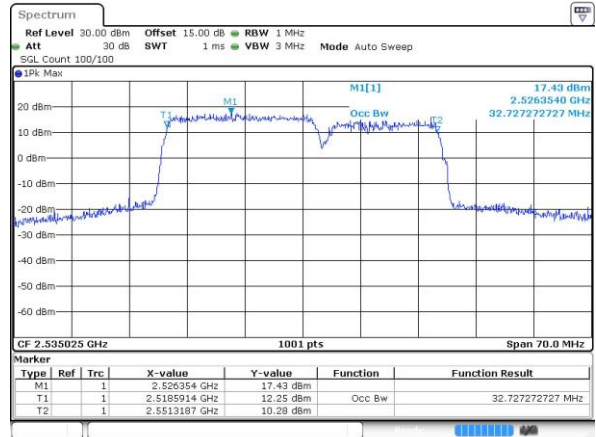
Date: 26 JUL 2019 16:59:21

Middle Channel / 20MHz+10MHz



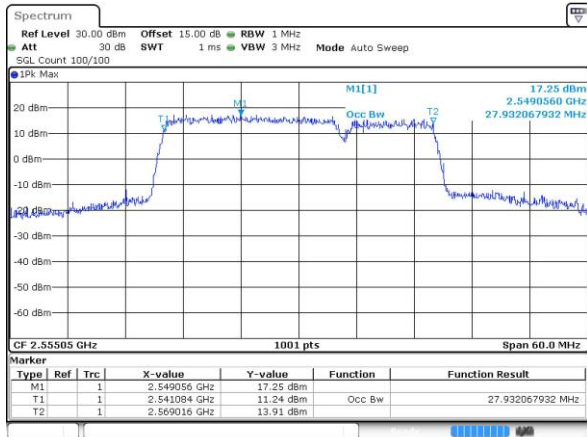
Date: 28 JUL 2019 09:36:29

Middle Channel / 20MHz+15MHz



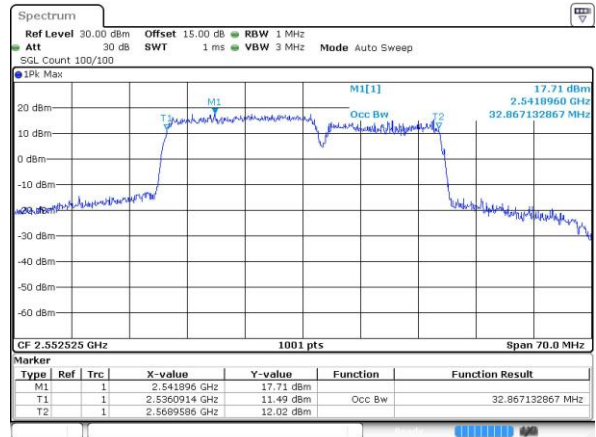
Date: 28 JUL 2019 17:46:03

Highest Channel / 20MHz+10MHz



Date: 28 JUL 2019 10:52:53

Highest Channel / 20MHz+15MHz



Date: 28 JUL 2019 17:56:22