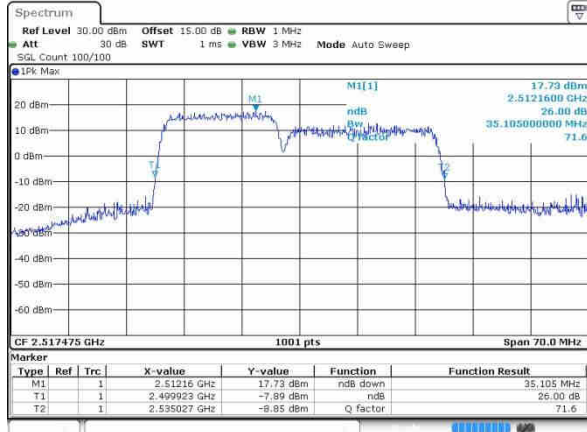




LTE Band 7

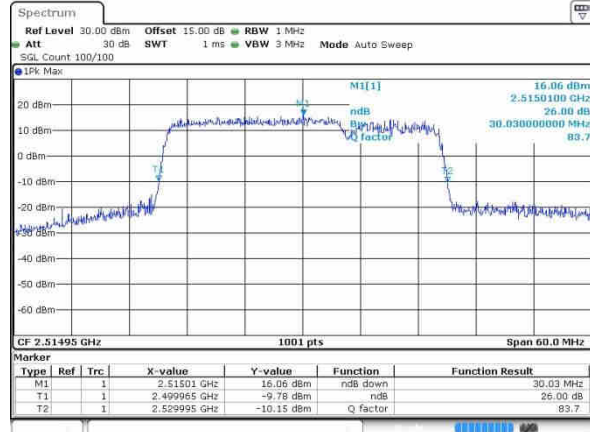
16QAM

Lowest Channel / 15MHz+20MHz



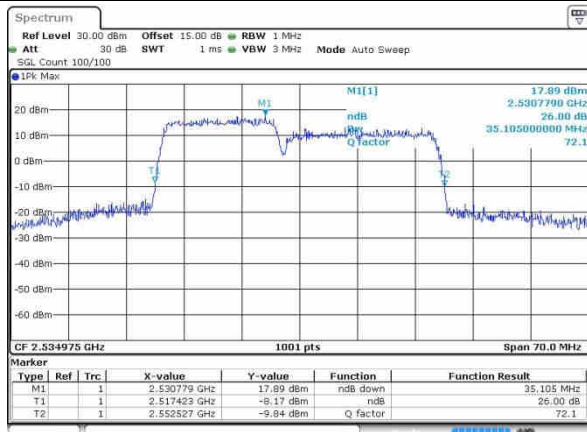
Date: 9 FEB 2019 15:29:51

Lowest Channel / 20MHz+10MHz



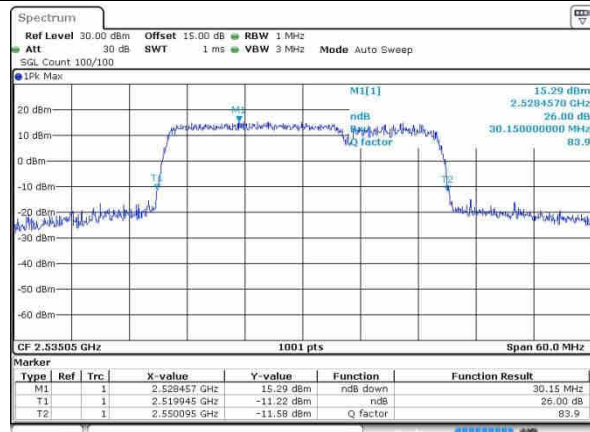
Date: 8 FEB 2019 15:31:46

Middle Channel / 15MHz+20MHz



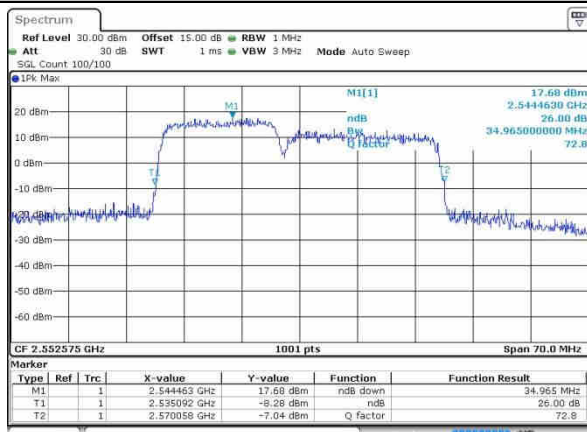
Date: 9 FEB 2019 17:19:43

Middle Channel / 20MHz+10MHz



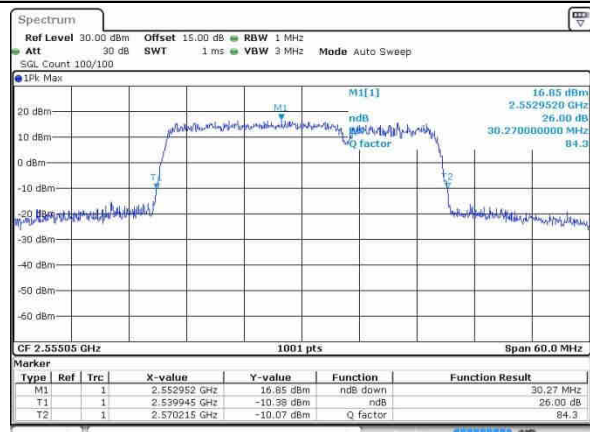
Date: 8 FEB 2019 18:04:04

Highest Channel / 15MHz+20MHz



Date: 9 FEB 2019 16:54:33

Highest Channel / 20MHz+10MHz



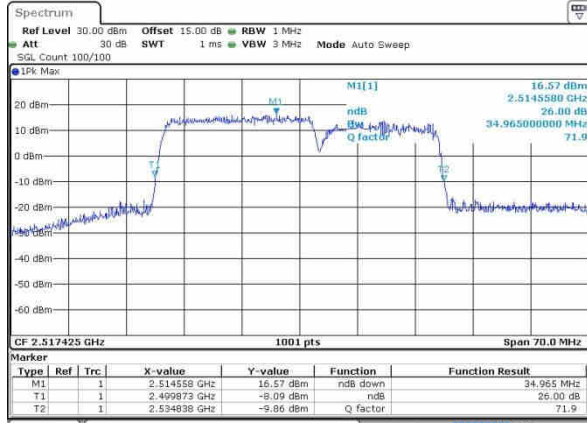
Date: 10 FEB 2019 19:46:19



LTE Band 7

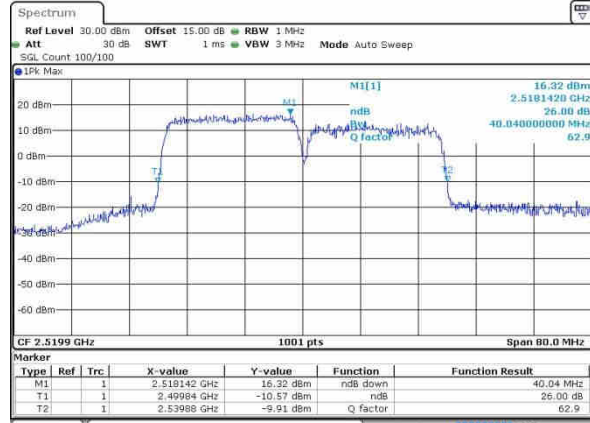
16QAM

Lowest Channel / 20MHz+15MHz



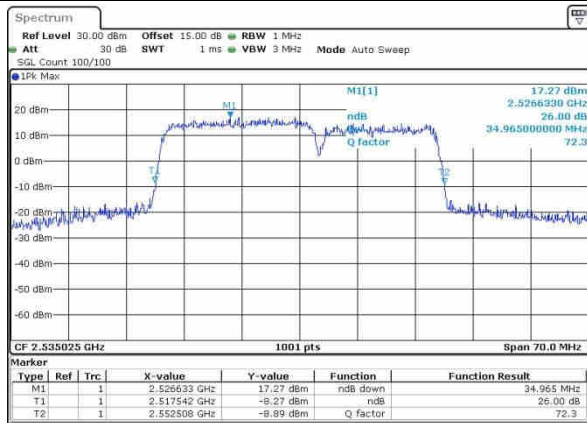
Date: 9 FEB 2019 17:52:59

Lowest Channel / 20MHz+20MHz



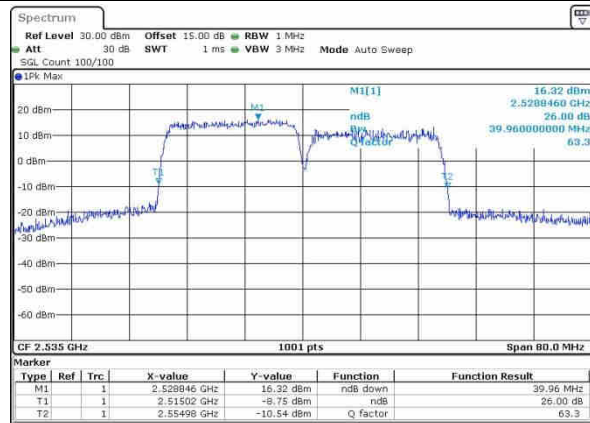
Date: 10 FEB 2019 11:28:39

Middle Channel / 20MHz+15MHz



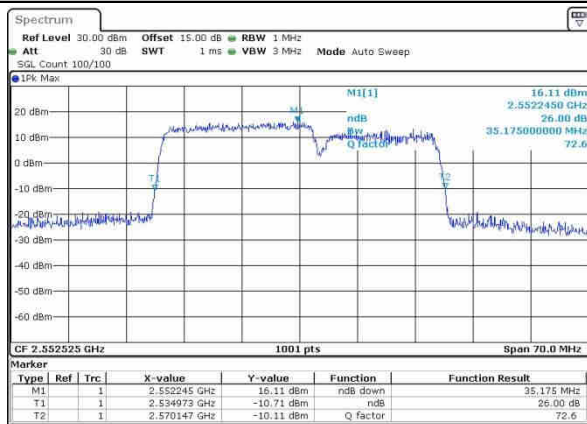
Date: 10 FEB 2019 09:48:22

Middle Channel / 20MHz+20MHz



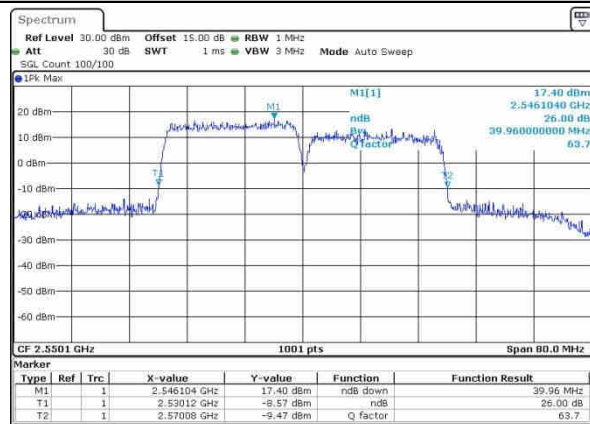
Date: 10 FEB 2019 16:00:50

Highest Channel / 20MHz+15MHz



Date: 7 MAR 2019 15:22:38

Highest Channel / 20MHz+20MHz



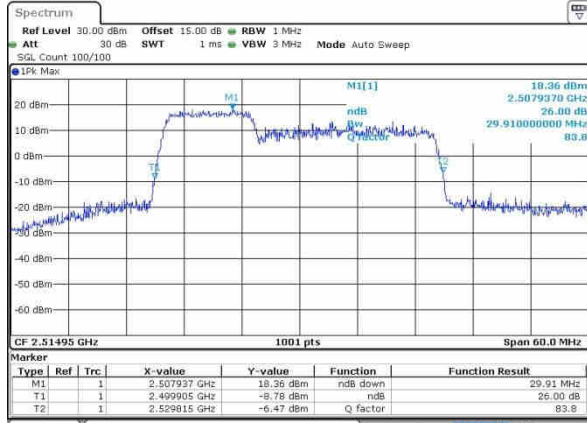
Date: 10 FEB 2019 12:20:13



LTE Band 7

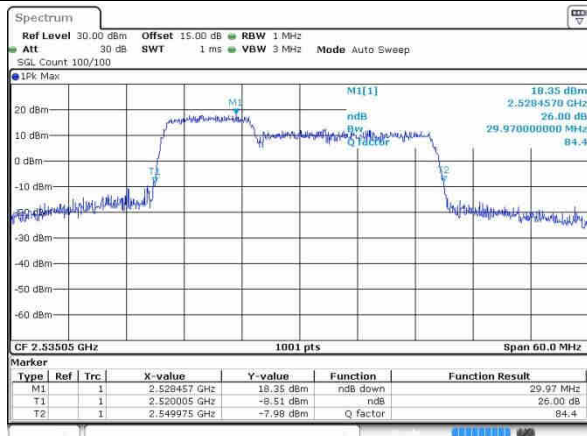
64QAM

Lowest Channel / 10MHz+20MHz



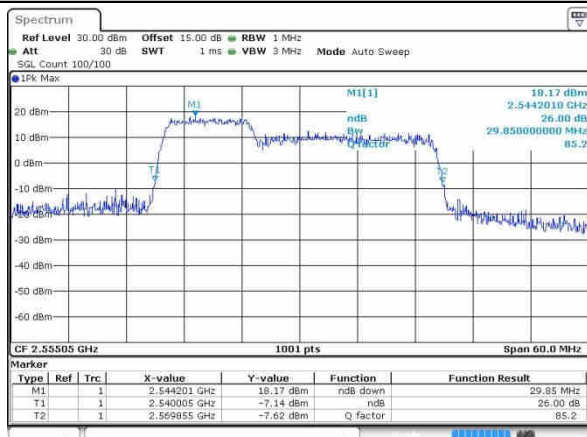
Date: 8.FEB.2019 10:53:18

Middle Channel / 10MHz+20MHz



Date: 8.FEB.2019 11:44:34

Highest Channel / 10MHz+20MHz



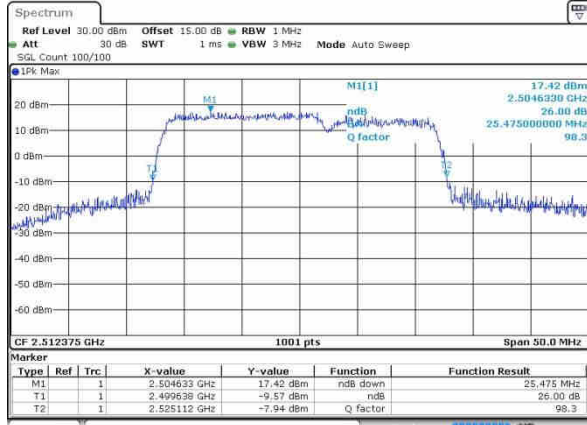
Date: 8.FEB.2019 15:08:21



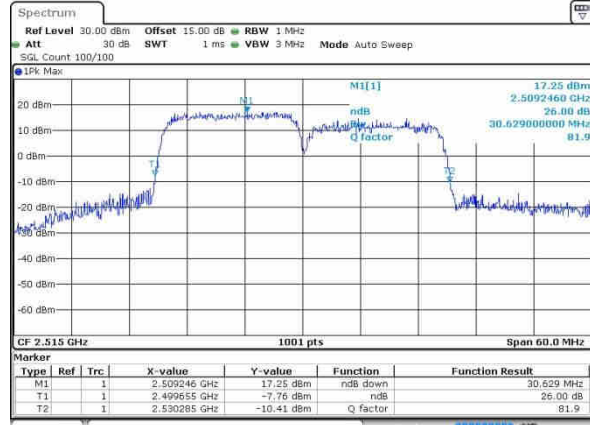
LTE Band 7

64QAM

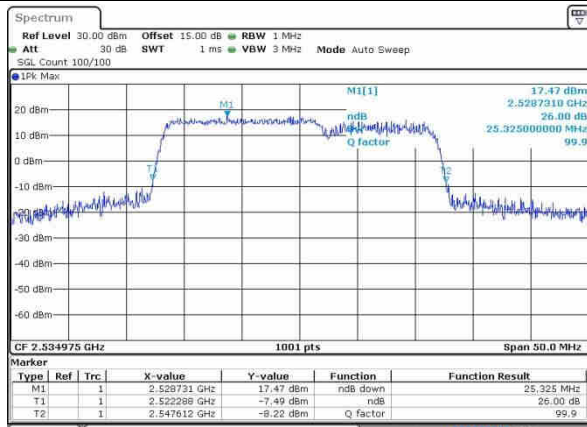
Lowest Channel / 15MHz+10MHz



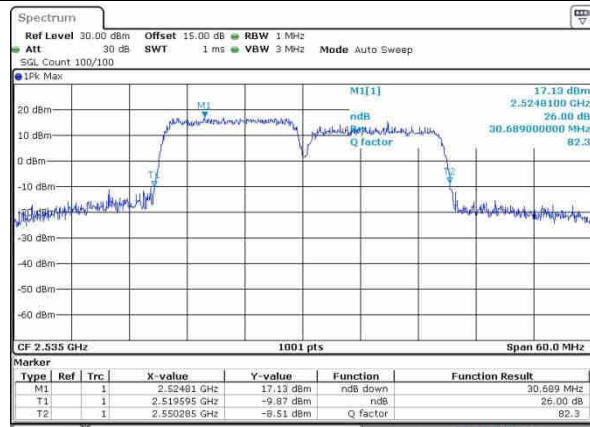
Lowest Channel / 15MHz+15MHz



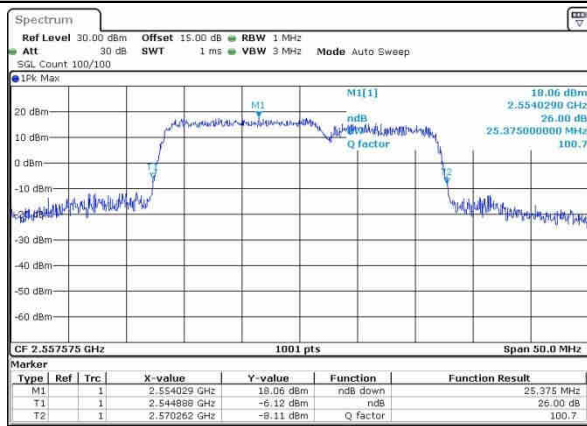
Middle Channel / 15MHz+10MHz



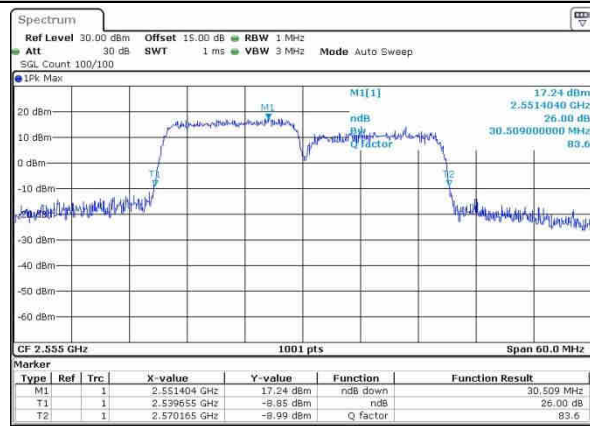
Middle Channel / 15MHz+15MHz



Highest Channel / 15MHz+10MHz



Highest Channel / 15MHz+15MHz

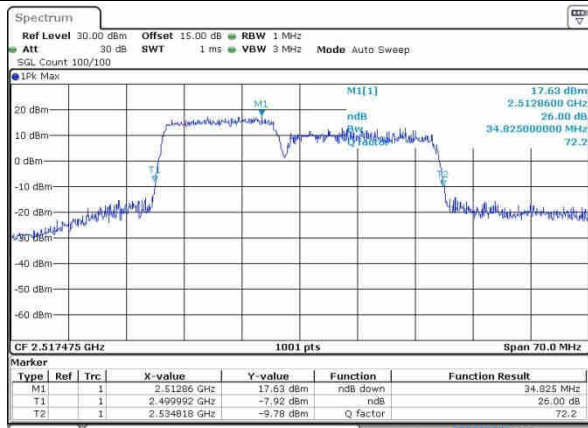




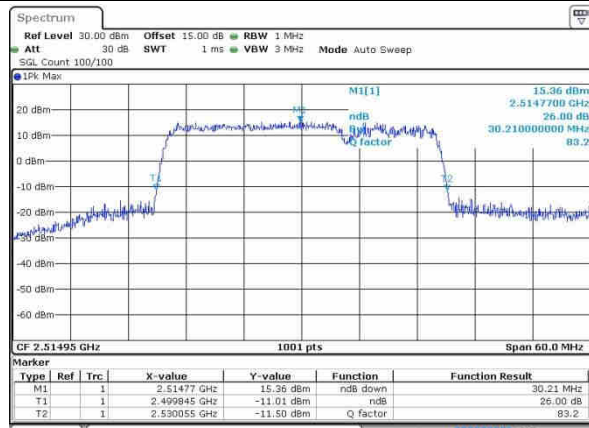
LTE Band 7

64QAM

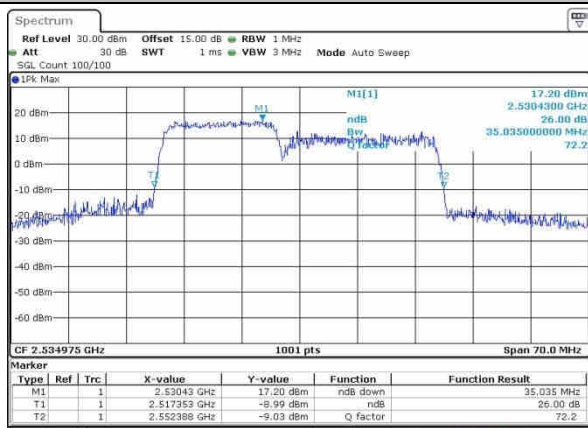
Lowest Channel / 15MHz+20MHz



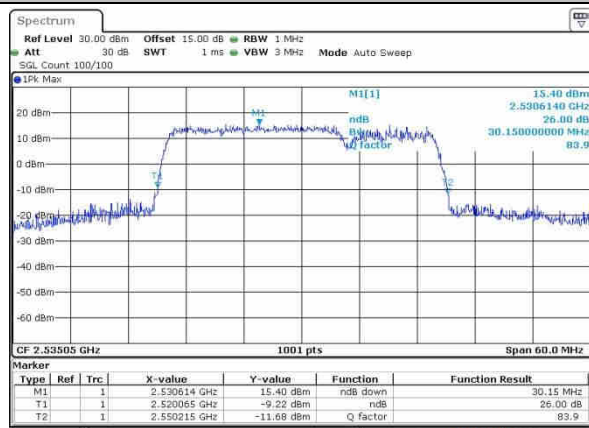
Lowest Channel / 20MHz+10MHz



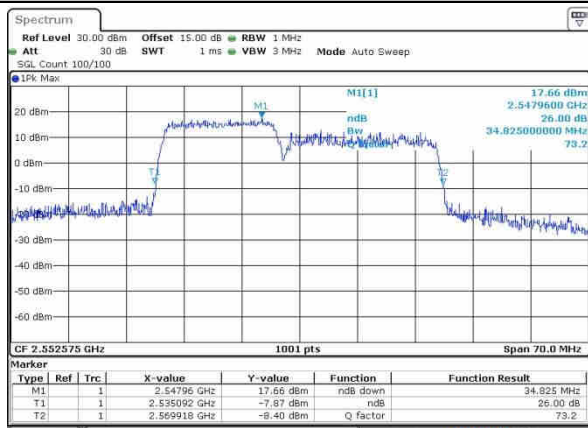
Middle Channel / 15MHz+20MHz



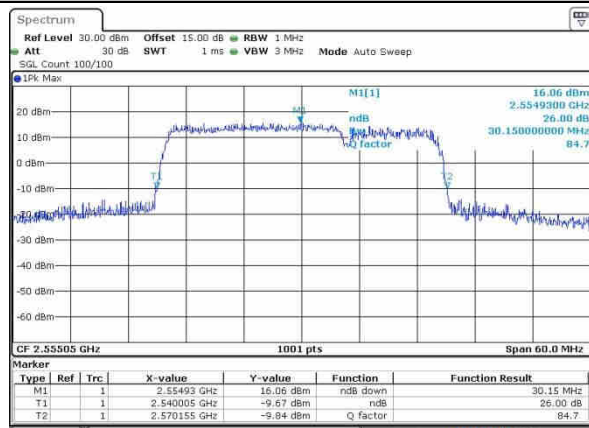
Middle Channel / 20MHz+10MHz



Highest Channel / 15MHz+20MHz



Highest Channel / 20MHz+10MHz

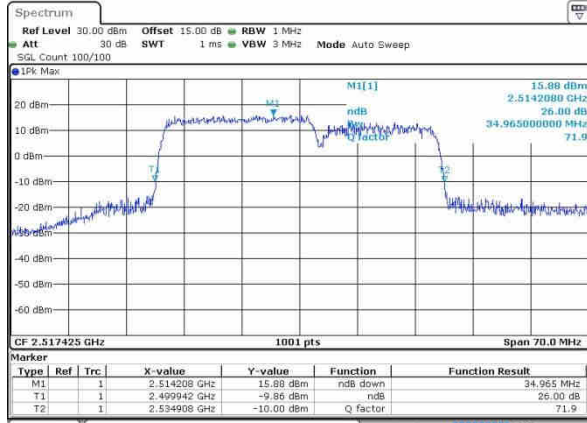




LTE Band 7

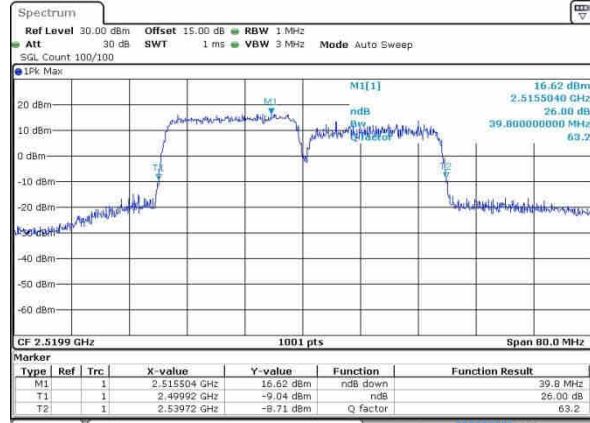
64QAM

Lowest Channel / 20MHz+15MHz



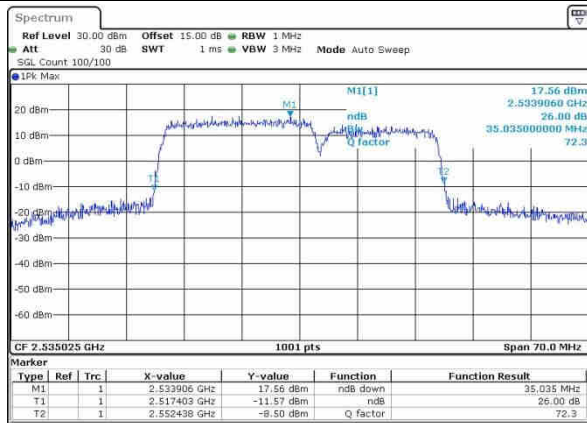
Date: 9 FEB 2019 18:02:31

Lowest Channel / 20MHz+20MHz



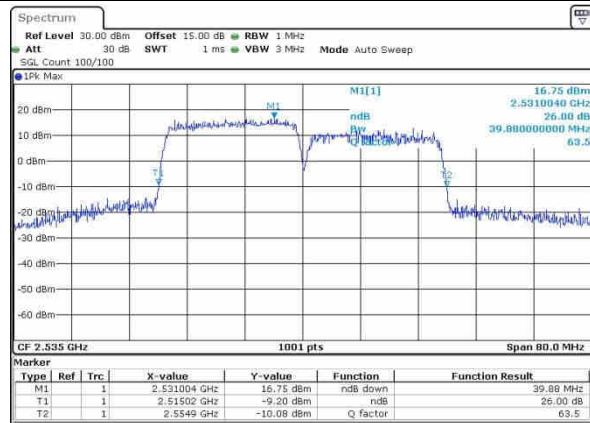
Date: 10 FEB 2019 11:19:34

Middle Channel / 20MHz+15MHz



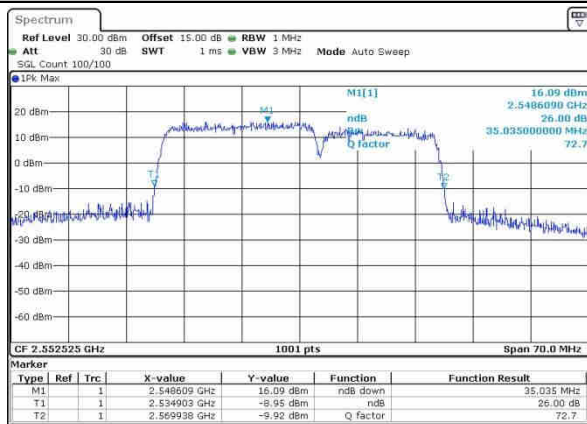
Date: 10 FEB 2019 09:55:57

Middle Channel / 20MHz+20MHz



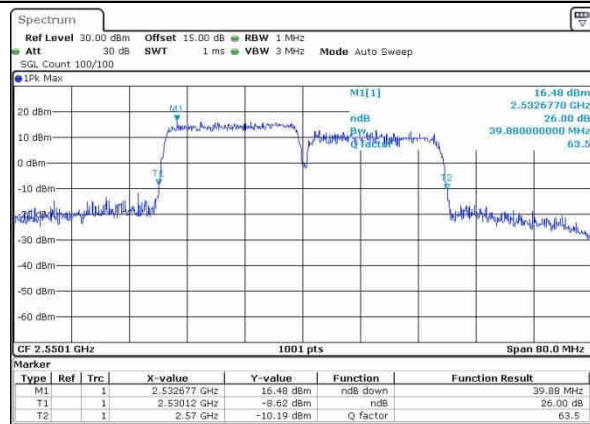
Date: 10 FEB 2019 16:03:54

Highest Channel / 20MHz+15MHz



Date: 7 MAR 2019 15:23:30

Highest Channel / 20MHz+20MHz



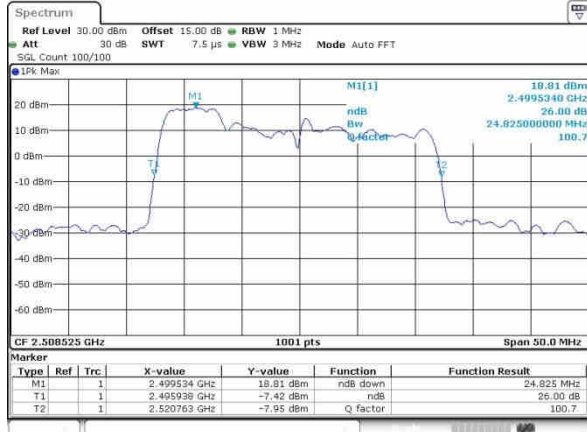
Date: 10 FEB 2019 13:34:07



LTE Band 41

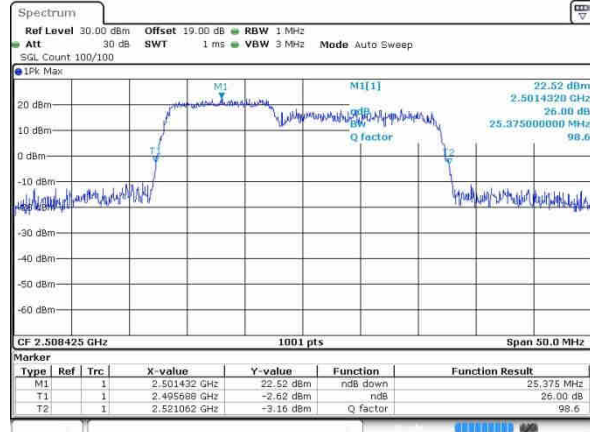
QPSK

Lowest Channel / 5MHz+20MHz



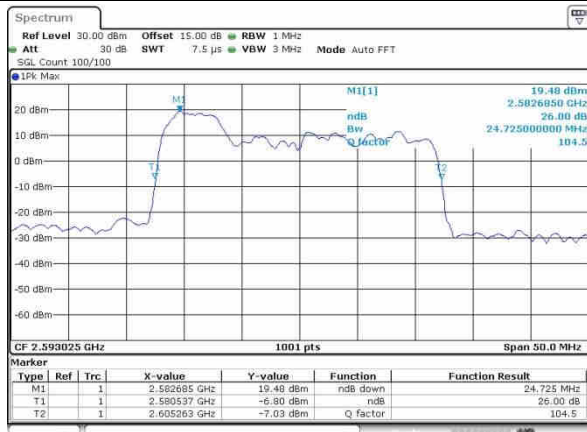
Date: 8.MAR.2019 13:45:08

Lowest Channel / 10MHz+15MHz



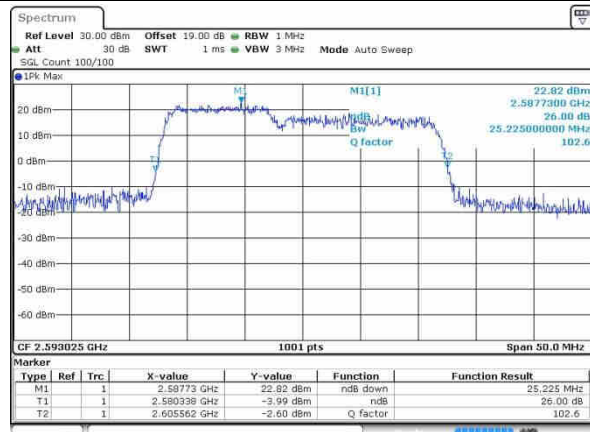
Date: 7 FEB 2019 11:17:33

Middle Channel / 5MHz+20MHz



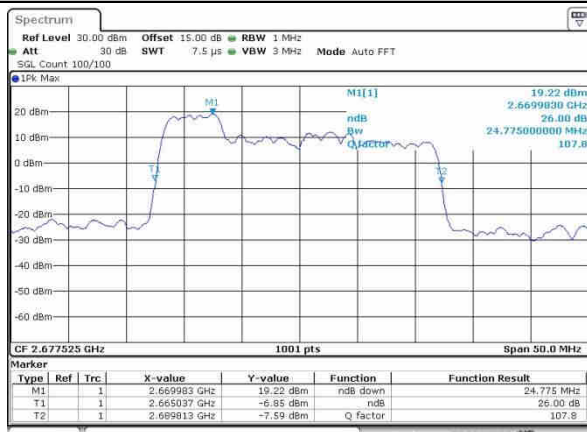
Date: 8.MAR.2019 14:29:40

Middle Channel / 10MHz+15MHz



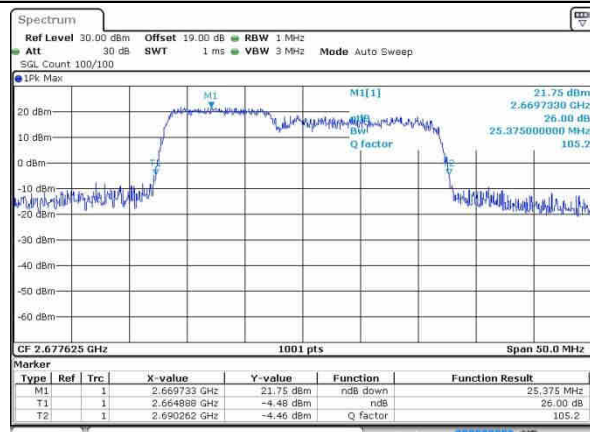
Date: 7 FEB 2019 11:28:13

Highest Channel / 5MHz+20MHz



Date: 8.MAR.2019 14:44:07

Highest Channel / 10MHz+15MHz



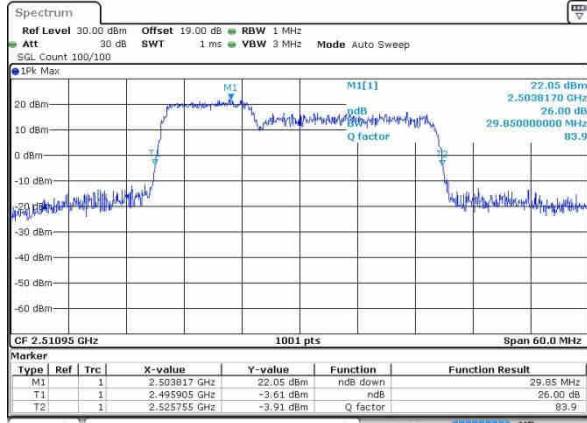
Date: 7 FEB 2019 13:39:49



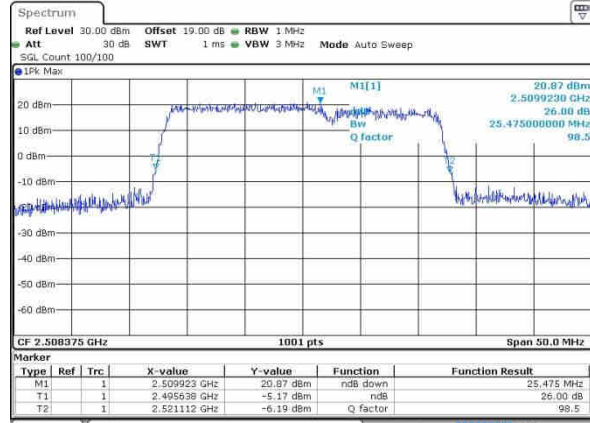
LTE Band 41

QPSK

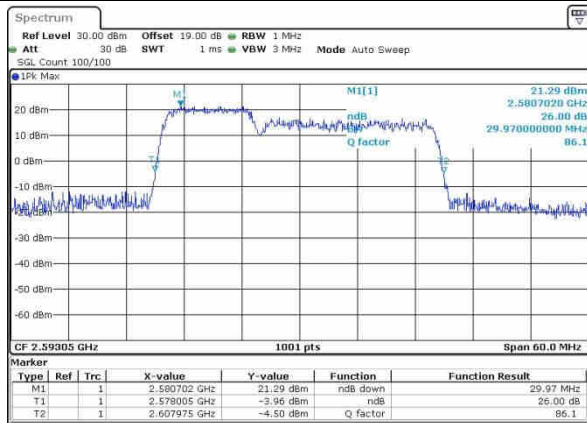
Lowest Channel / 10MHz+20MHz



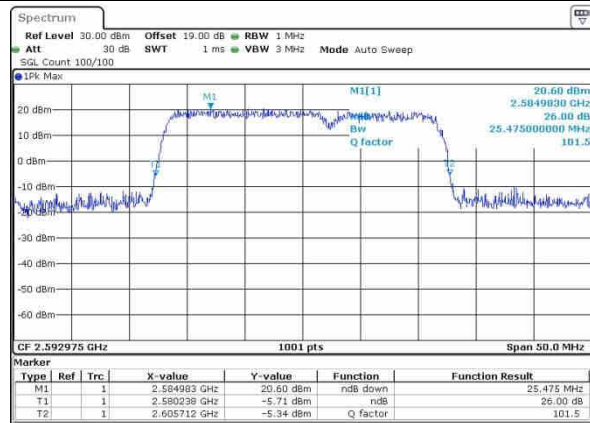
Lowest Channel / 15MHz+10MHz



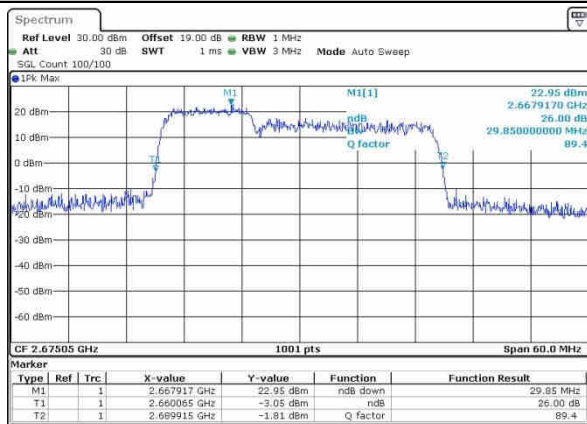
Middle Channel / 10MHz+20MHz



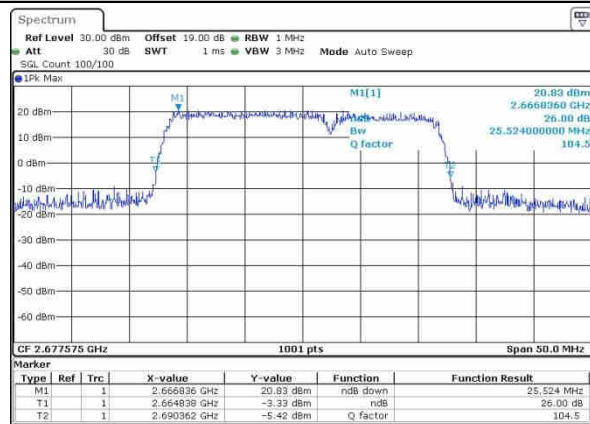
Middle Channel / 15MHz+10MHz



Highest Channel / 10MHz+20MHz



Highest Channel / 15MHz+10MHz

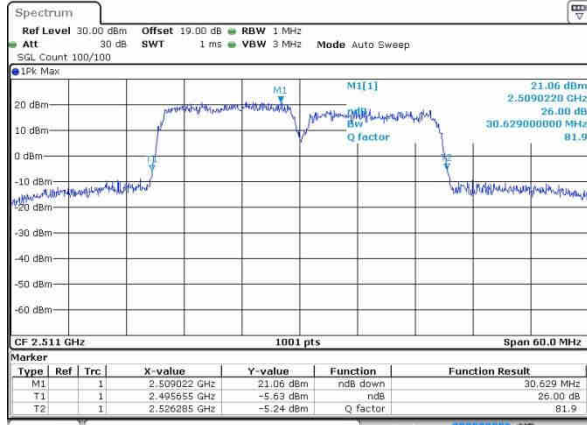




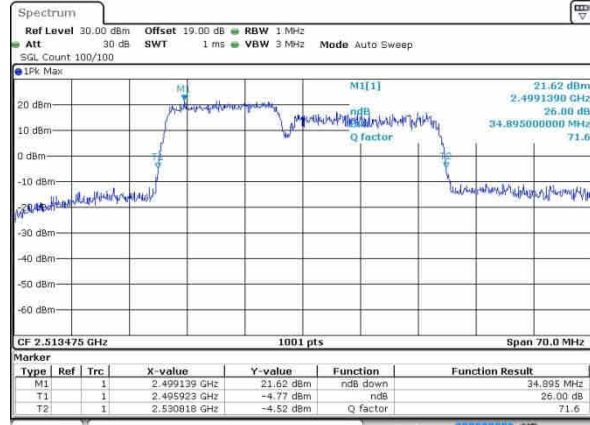
LTE Band 41

QPSK

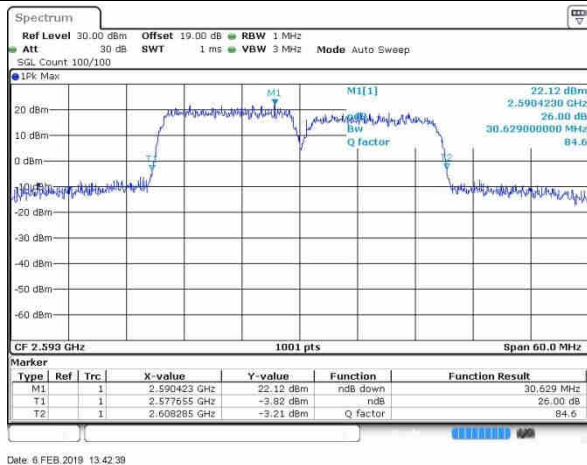
Lowest Channel / 15MHz+15MHz



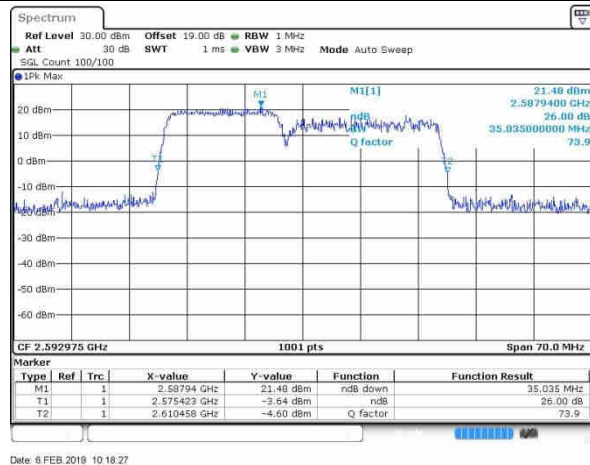
Lowest Channel / 15MHz+20MHz



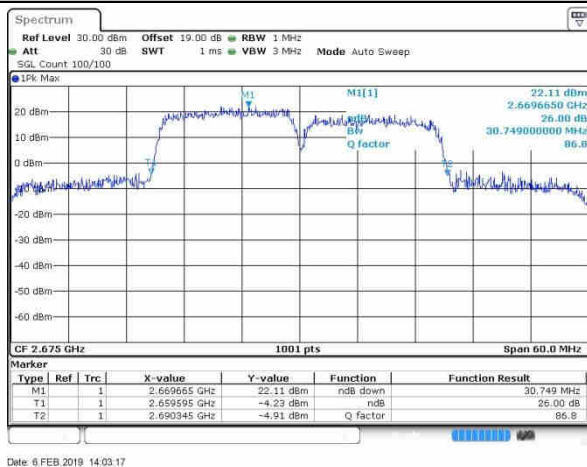
Middle Channel / 15MHz+15MHz



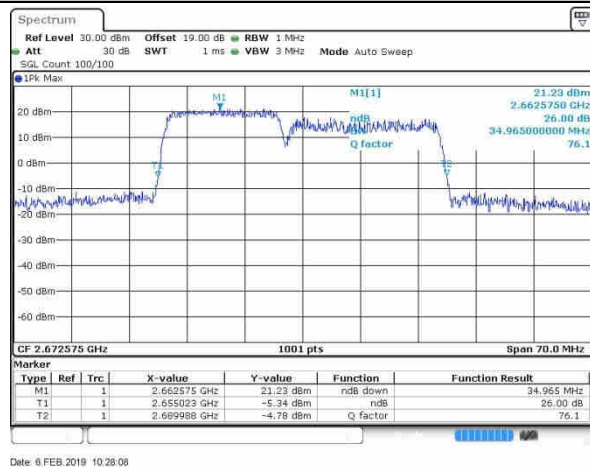
Middle Channel / 15MHz+20MHz



Highest Channel / 15MHz+15MHz



Highest Channel / 15MHz+20MHz

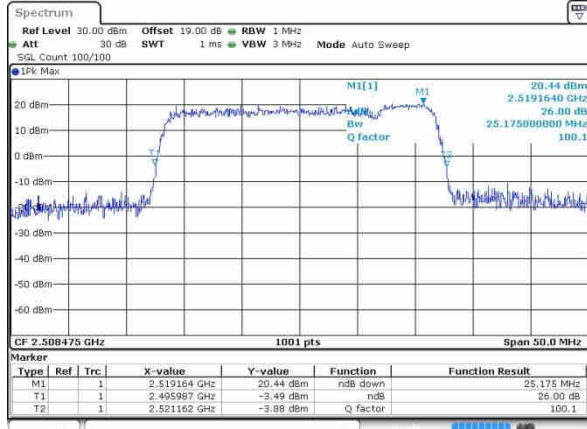




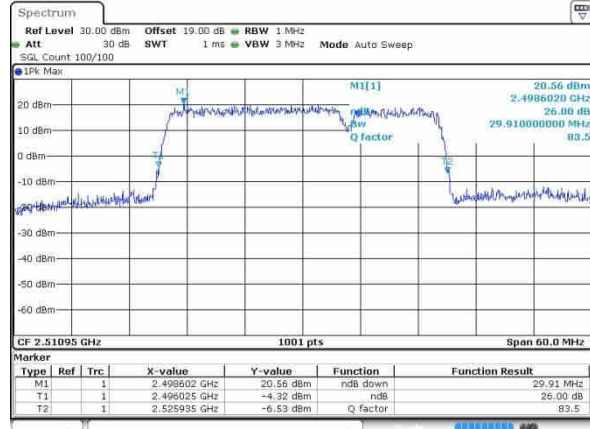
LTE Band 41

QPSK

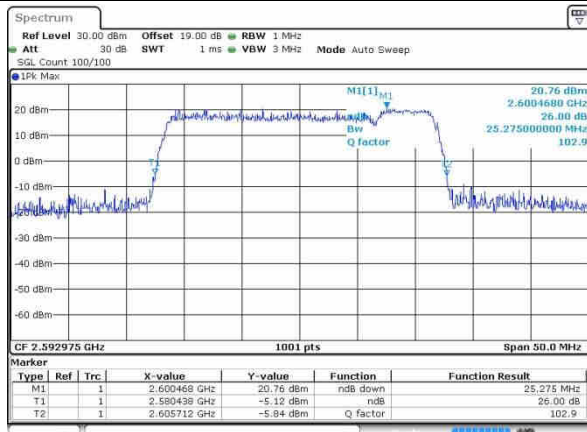
Lowest Channel / 20MHz+5MHz



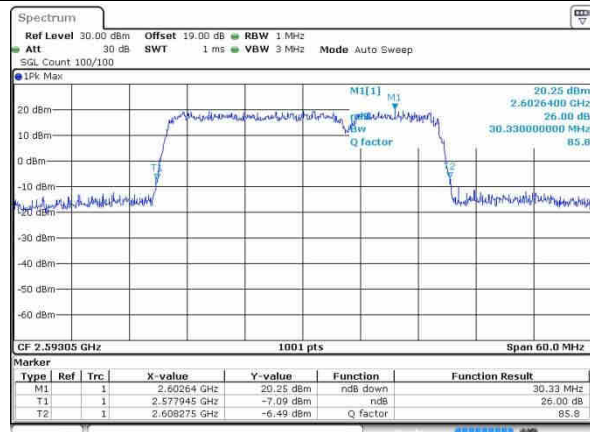
Lowest Channel / 20MHz+10MHz



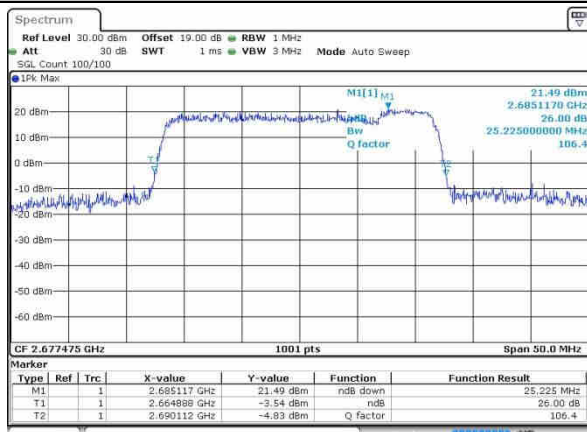
Middle Channel / 20MHz+5MHz



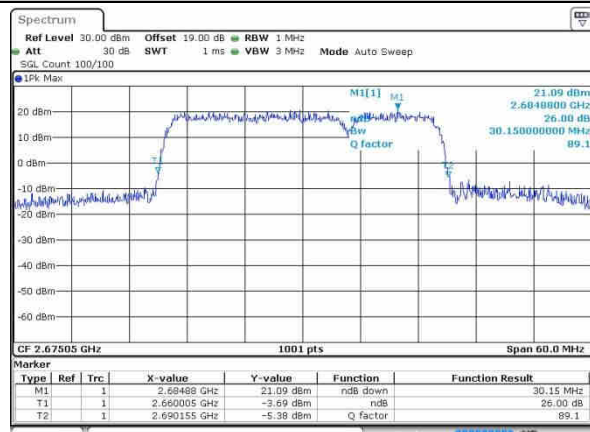
Middle Channel / 20MHz+10MHz



Highest Channel / 20MHz+5MHz



Highest Channel / 20MHz+10MHz

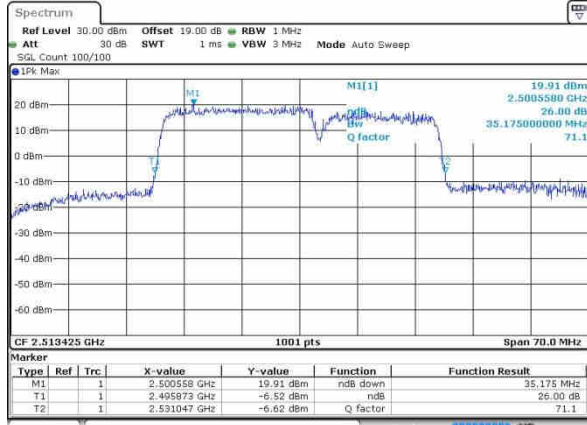




LTE Band 41

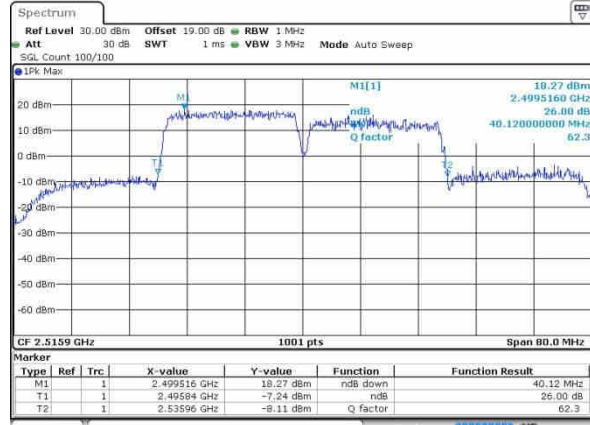
QPSK

Lowest Channel / 20MHz+15MHz



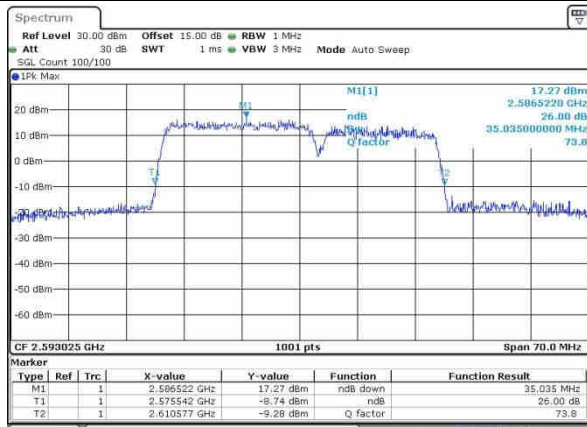
Date: 5 FEB 2019 16:18:40

Lowest Channel / 20MHz+20MHz



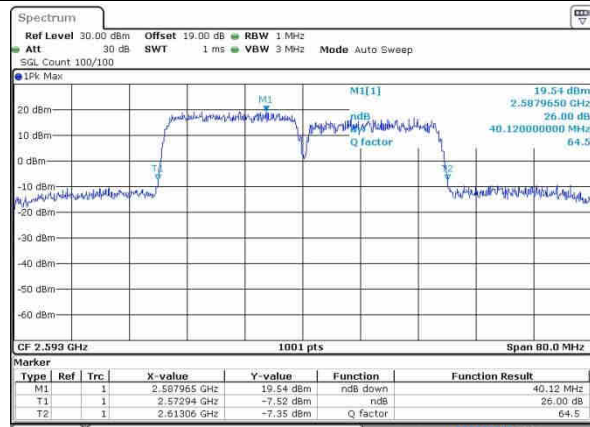
Date: 5 FEB 2019 14:11:17

Middle Channel / 20MHz+15MHz



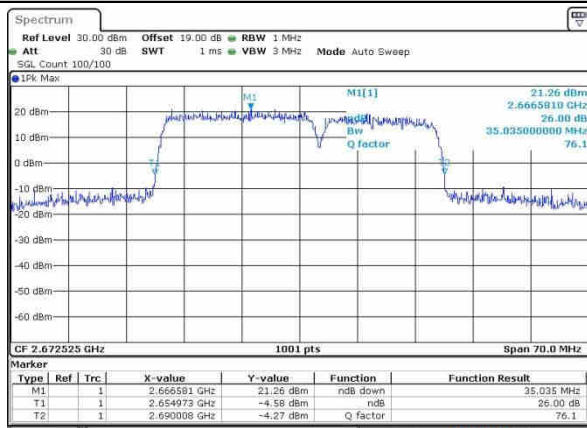
Date: 5 FEB 2019 17:02:00

Middle Channel / 20MHz+20MHz



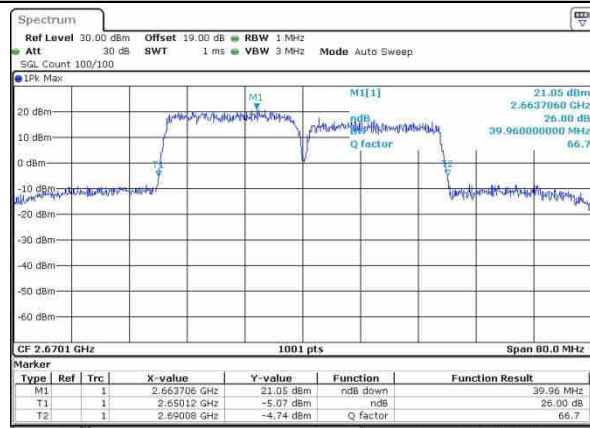
Date: 5 FEB 2019 15:04:52

Highest Channel / 20MHz+15MHz



Date: 5 FEB 2019 17:07:16

Highest Channel / 20MHz+20MHz



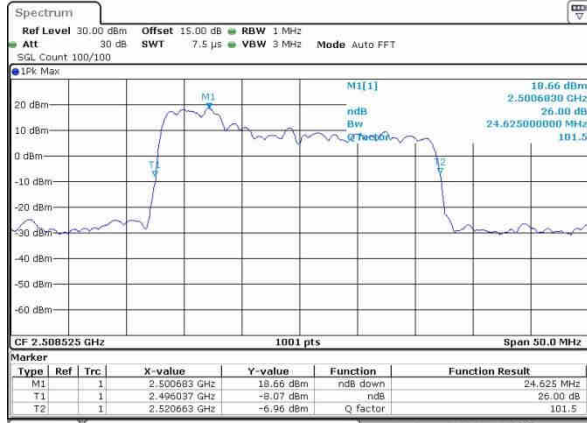
Date: 5 FEB 2019 15:08:19



LTE Band 41

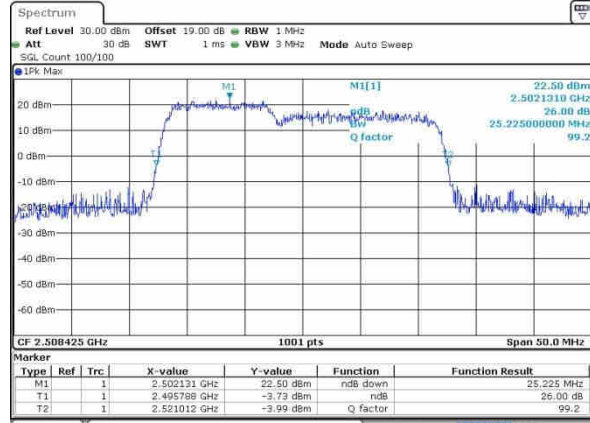
16QAM

Lowest Channel / 5MHz+20MHz



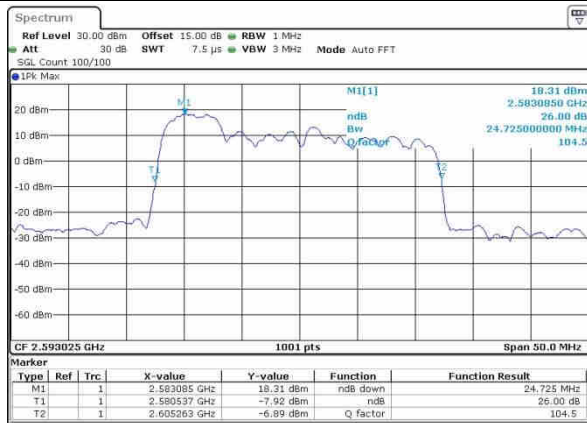
Date: 8.MAR.2019 13:56:22

Lowest Channel / 10MHz+15MHz



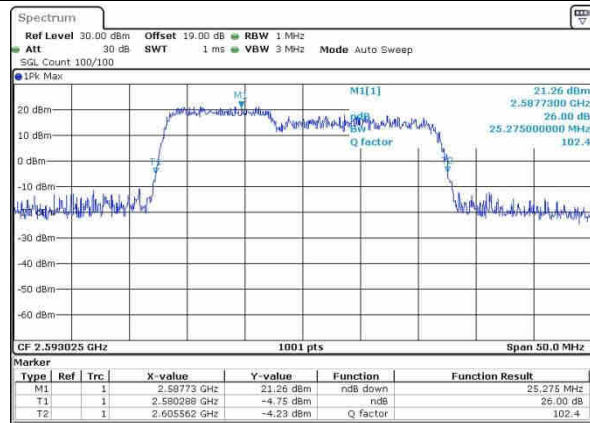
Date: 7 FEB 2019 11:14:39

Middle Channel / 5MHz+20MHz



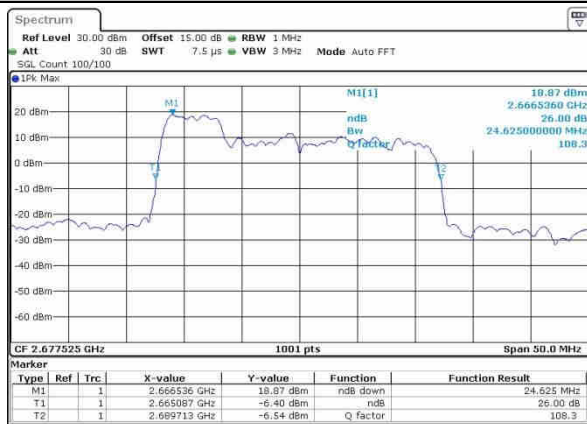
Date: 8.MAR.2019 14:30:09

Middle Channel / 10MHz+15MHz



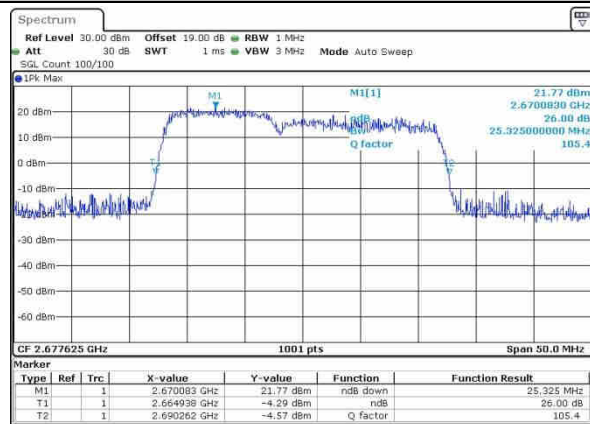
Date: 7 FEB 2019 13:15:39

Highest Channel / 5MHz+20MHz



Date: 8.MAR.2019 14:45:56

Highest Channel / 10MHz+15MHz



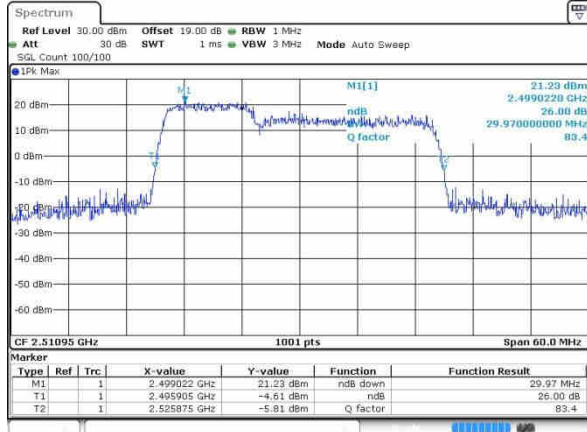
Date: 7 FEB 2019 13:28:28



LTE Band 41

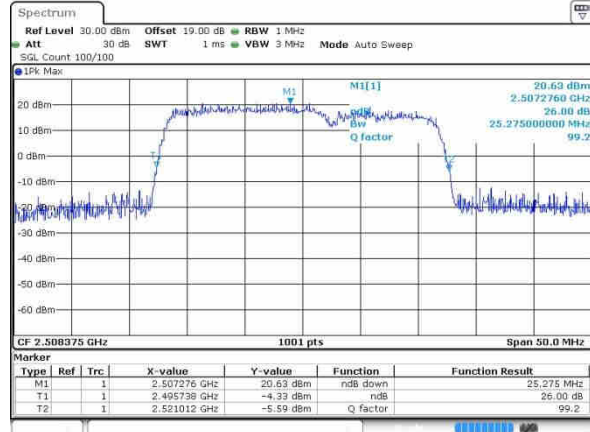
16QAM

Lowest Channel / 10MHz+20MHz



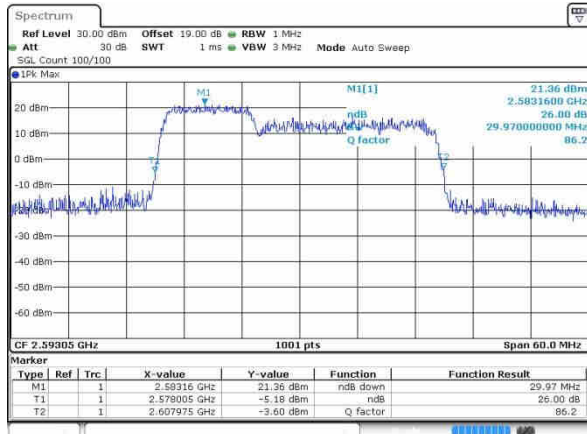
Date: 7 FEB 2019 15:09:24

Lowest Channel / 15MHz+10MHz



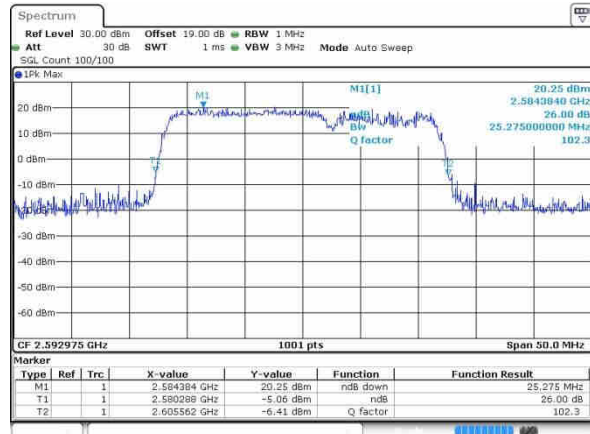
Date: 6 FEB 2019 19:11:12

Middle Channel / 10MHz+20MHz



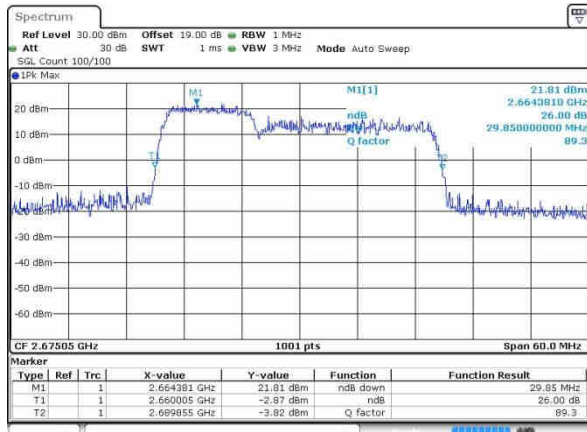
Date: 7 FEB 2019 15:22:41

Middle Channel / 15MHz+10MHz



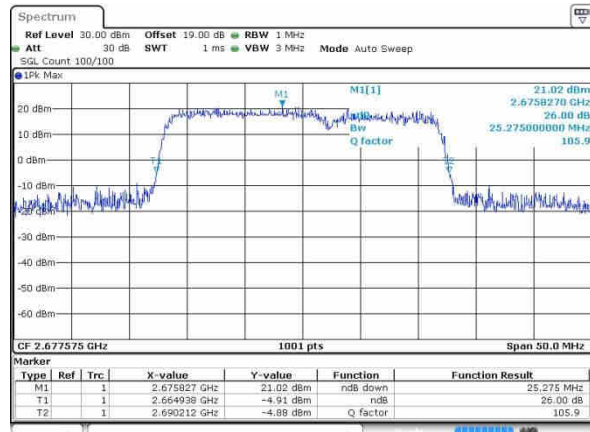
Date: 6 FEB 2019 19:28:18

Highest Channel / 10MHz+20MHz



Date: 7 FEB 2019 16:23:52

Highest Channel / 15MHz+10MHz



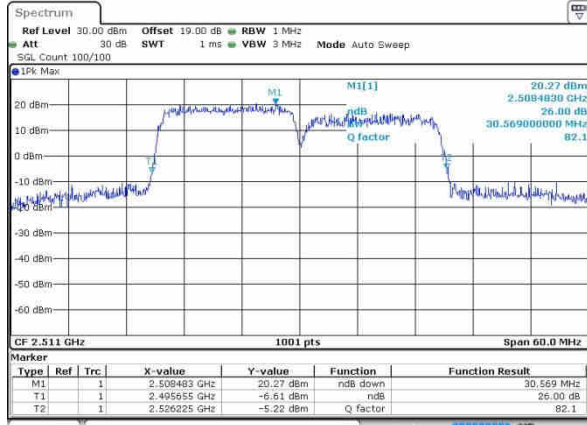
Date: 6 FEB 2019 20:25:25



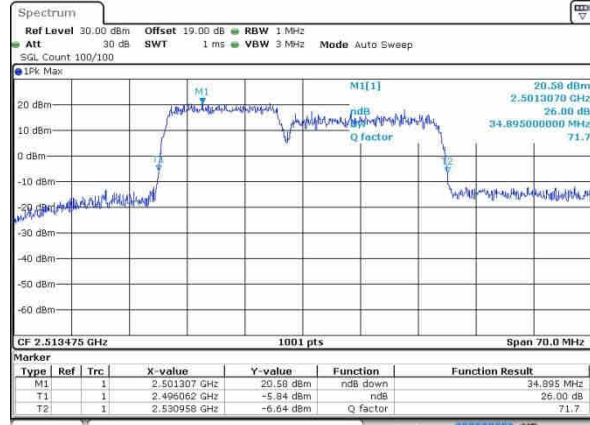
LTE Band 41

16QAM

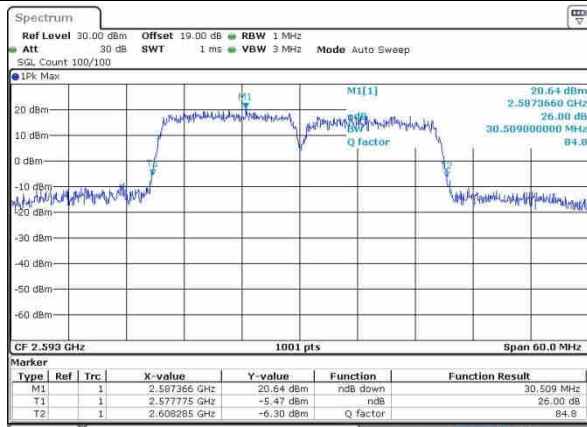
Lowest Channel / 15MHz+15MHz



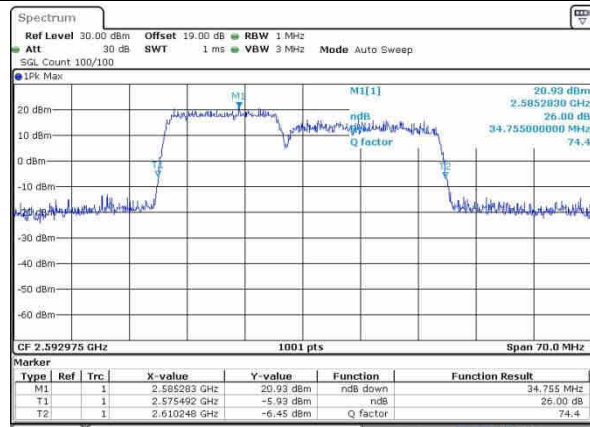
Lowest Channel / 15MHz+20MHz



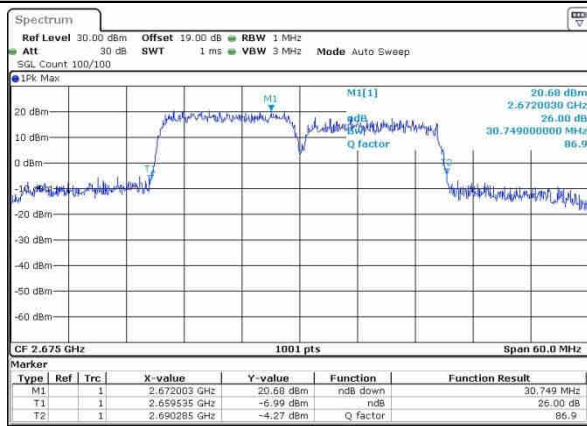
Middle Channel / 15MHz+15MHz



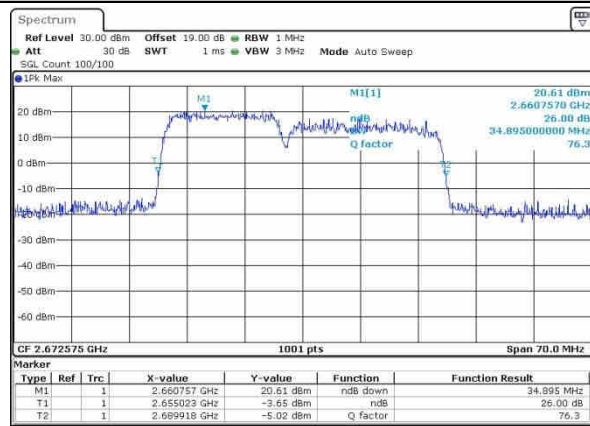
Middle Channel / 15MHz+20MHz



Highest Channel / 15MHz+15MHz



Highest Channel / 15MHz+20MHz

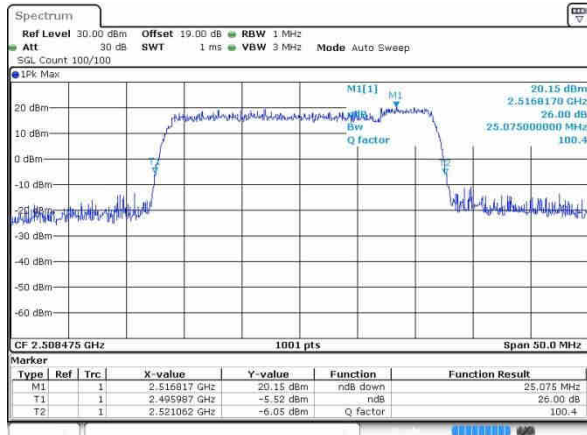




LTE Band 41

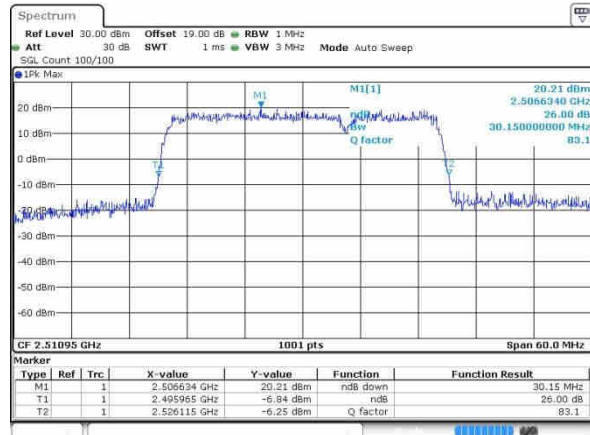
16QAM

Lowest Channel / 20MHz+5MHz



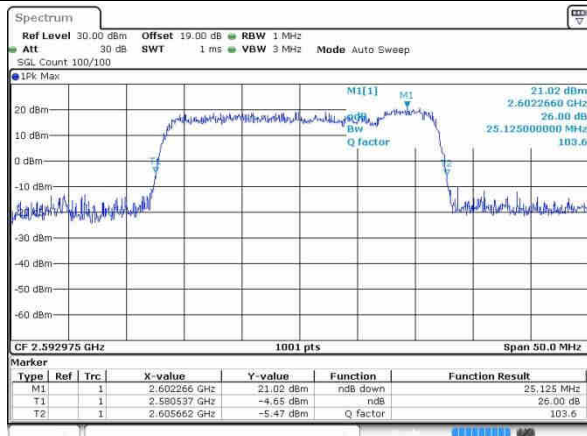
Date: 7 FEB 2019 18:00:33

Lowest Channel / 20MHz+10MHz



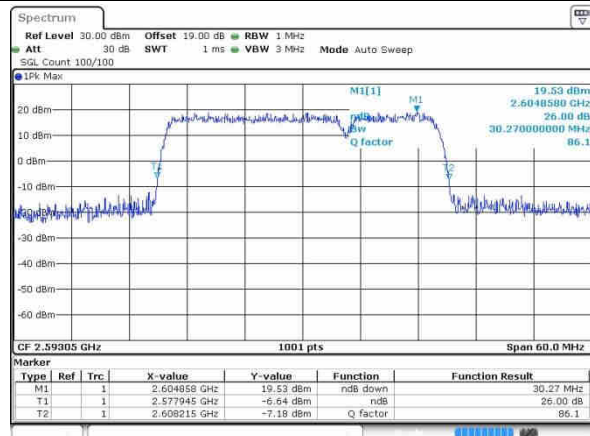
Date: 6 FEB 2019 15:06:56

Middle Channel / 20MHz+5MHz



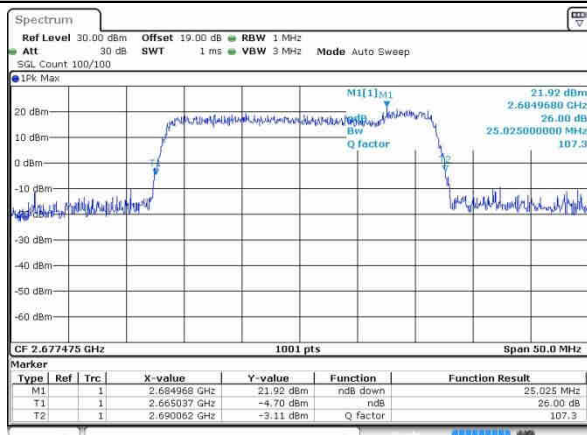
Date: 7 FEB 2019 18:55:56

Middle Channel / 20MHz+10MHz



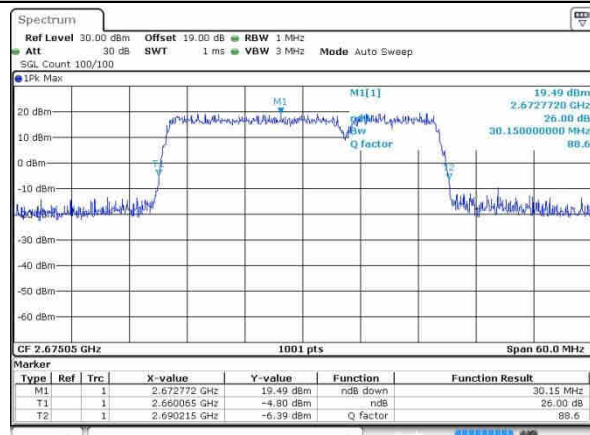
Date: 6 FEB 2019 16:51:41

Highest Channel / 20MHz+5MHz



Date: 7 FEB 2019 19:11:01

Highest Channel / 20MHz+10MHz



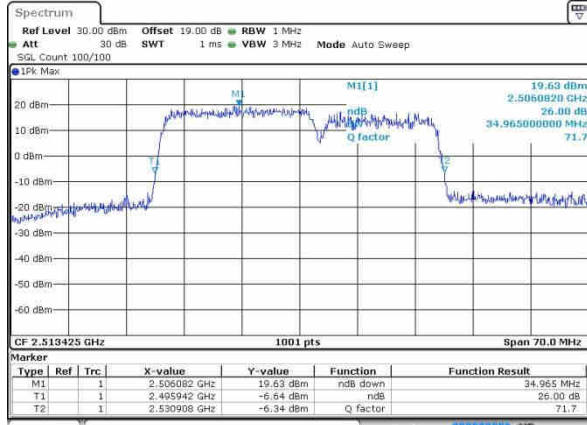
Date: 6 FEB 2019 17:04:53



LTE Band 41

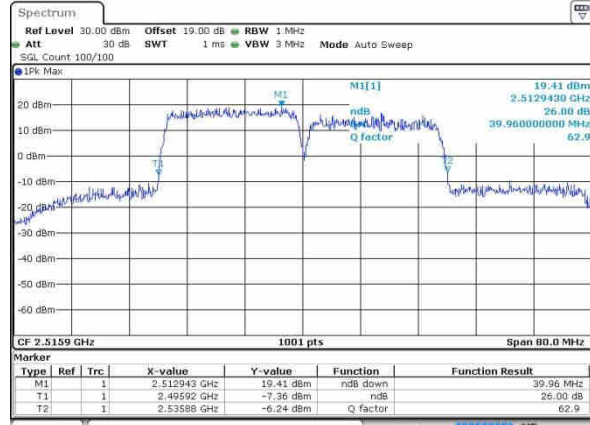
16QAM

Lowest Channel / 20MHz+15MHz



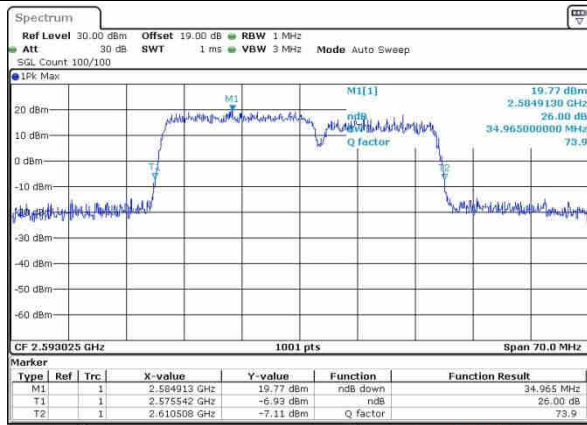
Date: 5 FEB 2019 16:22:07

Lowest Channel / 20MHz+20MHz



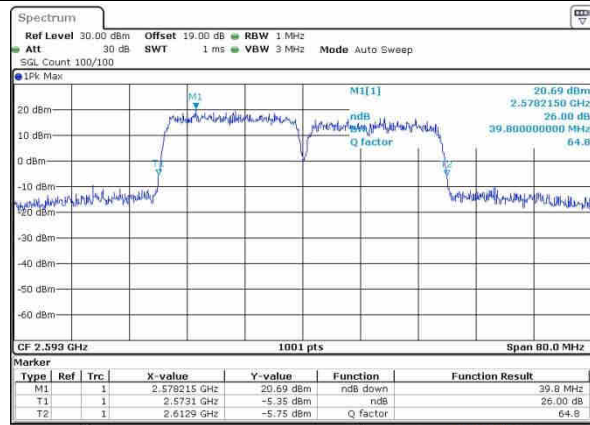
Date: 5 FEB 2019 14:25:17

Middle Channel / 20MHz+15MHz



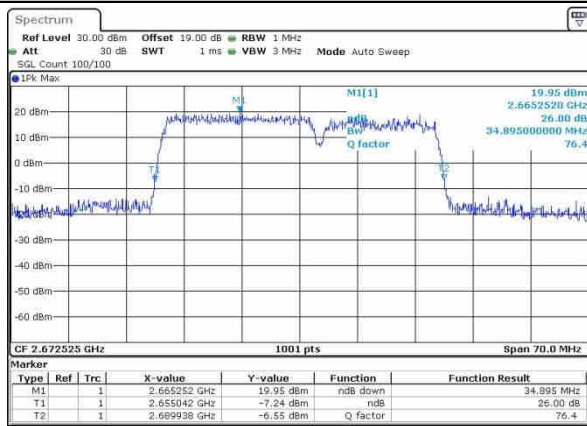
Date: 5 FEB 2019 16:47:35

Middle Channel / 20MHz+20MHz



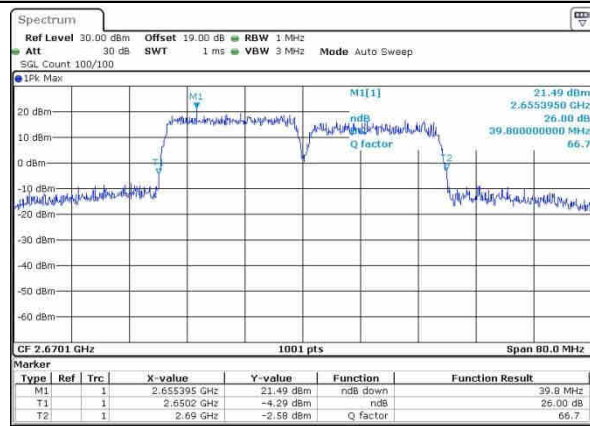
Date: 5 FEB 2019 14:58:33

Highest Channel / 20MHz+15MHz



Date: 5 FEB 2019 17:12:40

Highest Channel / 20MHz+20MHz



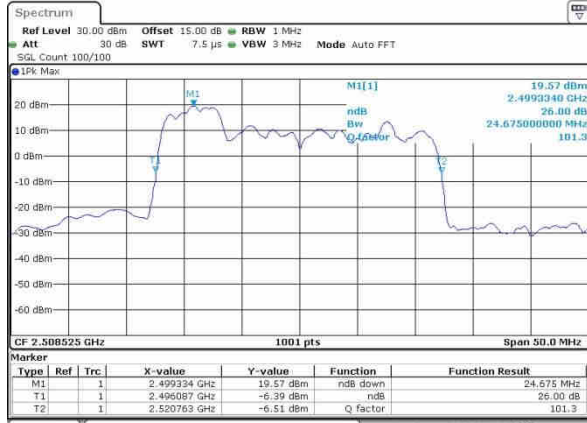
Date: 5 FEB 2019 15:09:36



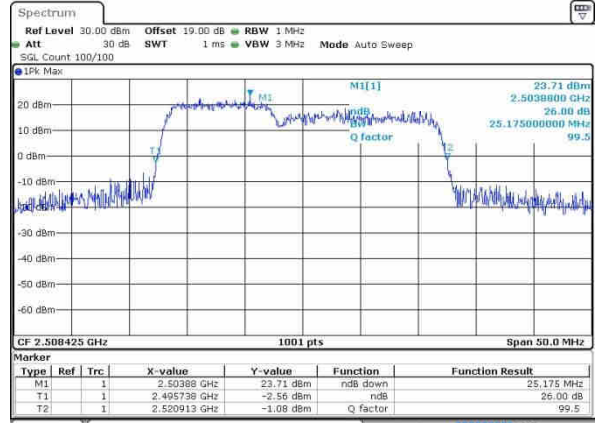
LTE Band 41

64QAM

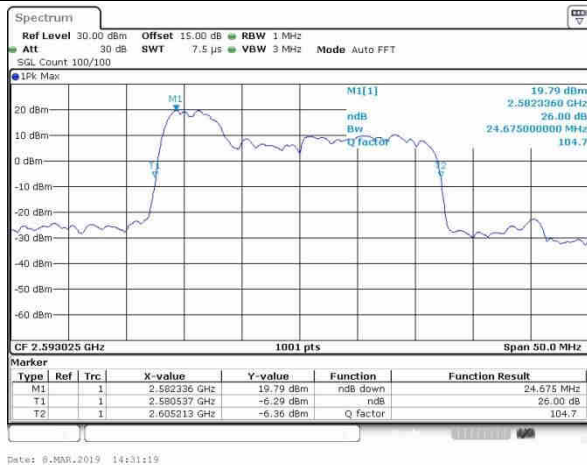
Lowest Channel / 5MHz+20MHz



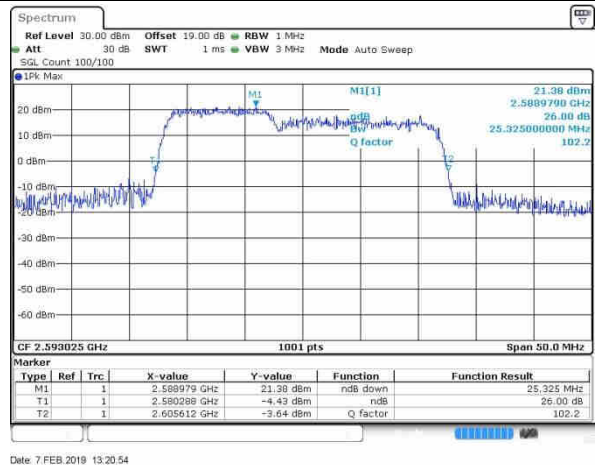
Lowest Channel / 10MHz+15MHz



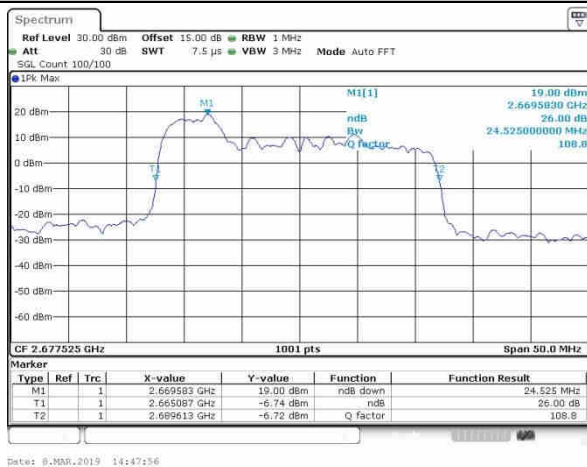
Middle Channel / 5MHz+20MHz



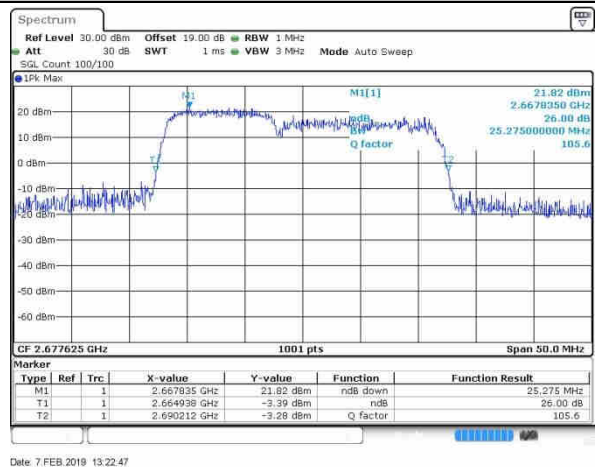
Middle Channel / 10MHz+15MHz



Highest Channel / 5MHz+20MHz



Highest Channel / 10MHz+15MHz

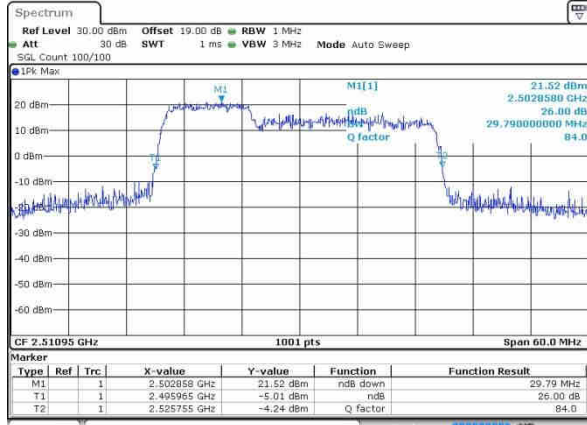




LTE Band 41

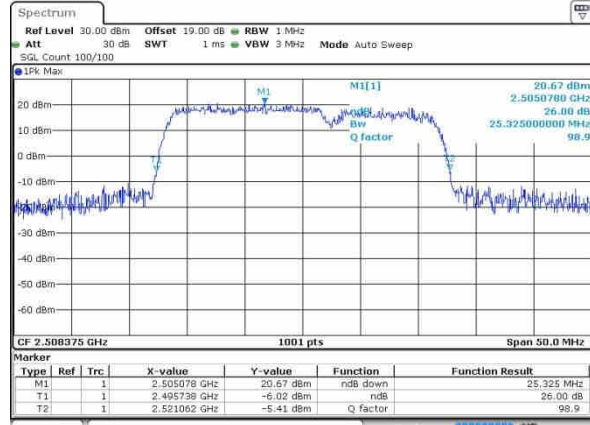
64QAM

Lowest Channel / 10MHz+20MHz



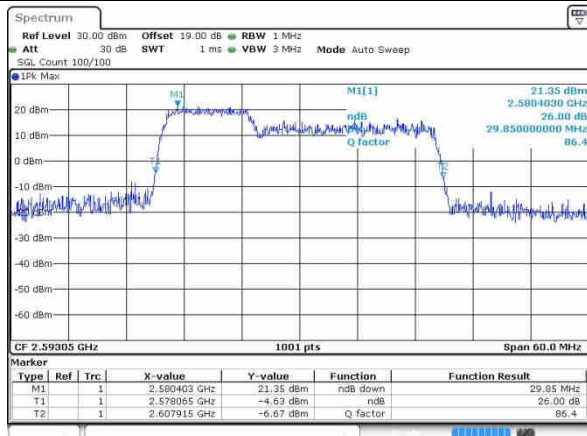
Date: 7 FEB 2019 15:12:02

Lowest Channel / 15MHz+10MHz



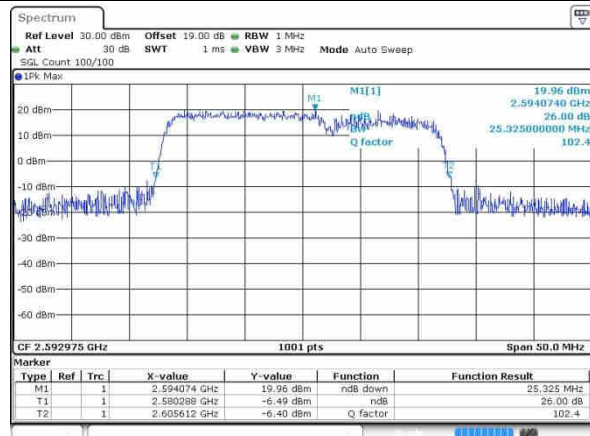
Date: 6 FEB 2019 19:15:28

Middle Channel / 10MHz+20MHz



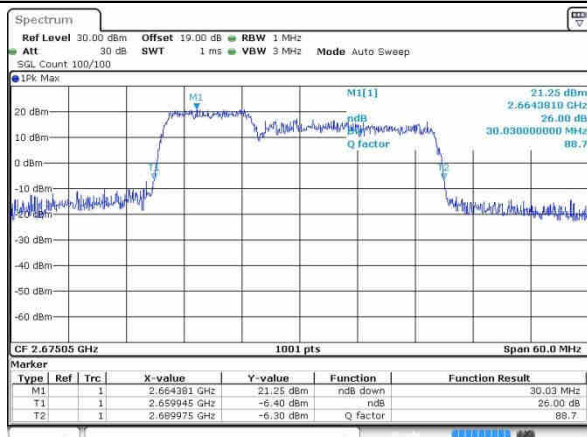
Date: 7 FEB 2019 15:18:42

Middle Channel / 15MHz+10MHz



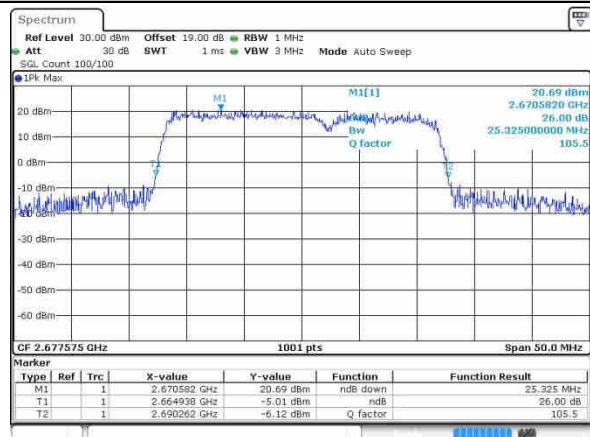
Date: 6 FEB 2019 19:21:16

Highest Channel / 10MHz+20MHz



Date: 7 FEB 2019 16:35:56

Highest Channel / 15MHz+10MHz



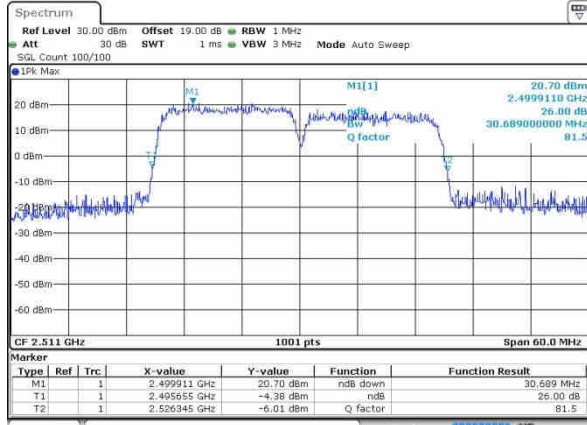
Date: 7 FEB 2019 09:34:28



LTE Band 41

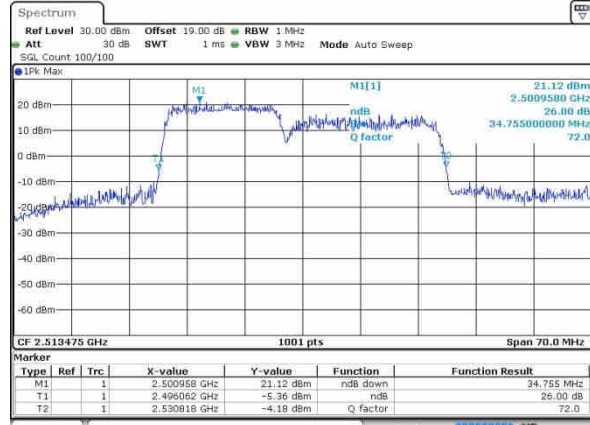
64QAM

Lowest Channel / 15MHz+15MHz



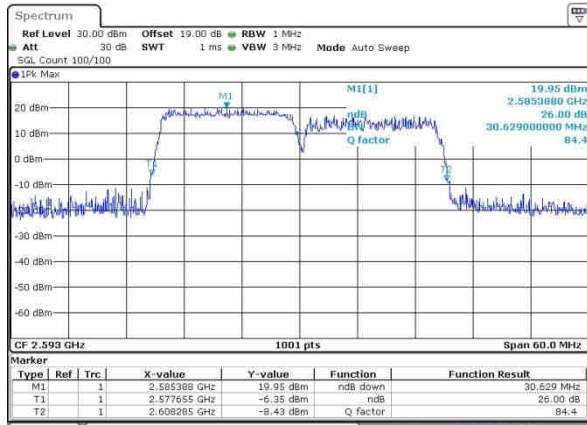
Date: 6 FEB 2019 13:09:11

Lowest Channel / 15MHz+20MHz



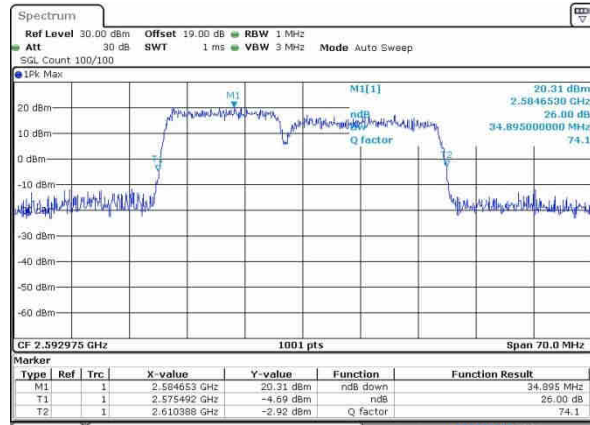
Date: 6 FEB 2019 10:06:30

Middle Channel / 15MHz+15MHz



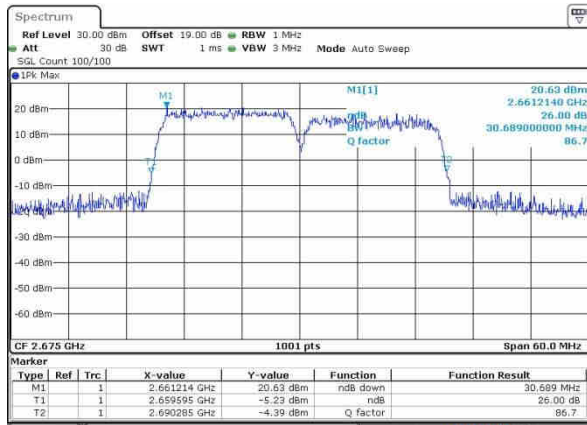
Date: 6 FEB 2019 13:50:21

Middle Channel / 15MHz+20MHz



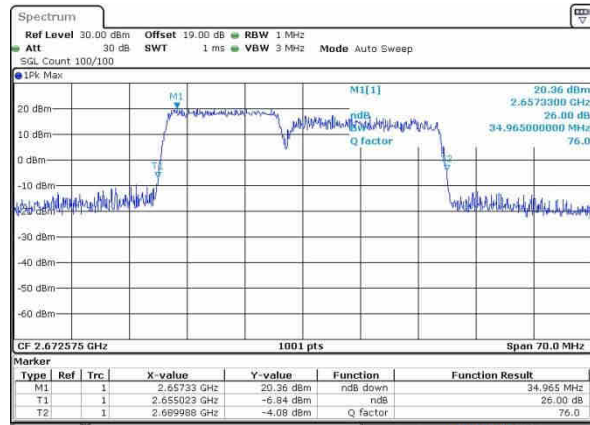
Date: 6 FEB 2019 10:12:11

Highest Channel / 15MHz+15MHz



Date: 6 FEB 2019 13:55:44

Highest Channel / 15MHz+20MHz



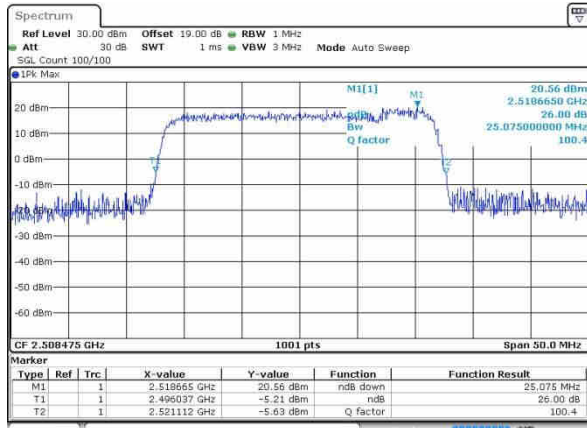
Date: 6 FEB 2019 10:42:52



LTE Band 41

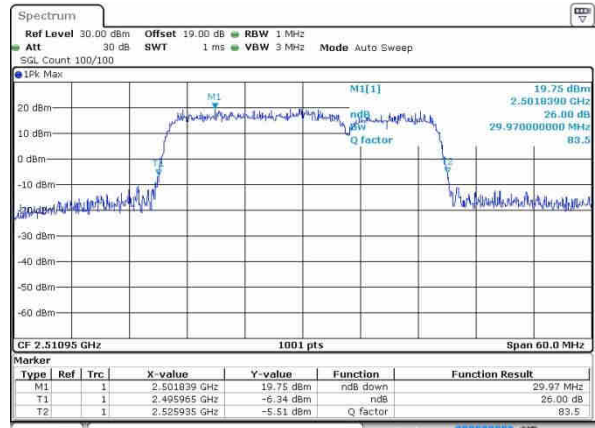
64QAM

Lowest Channel / 20MHz+5MHz



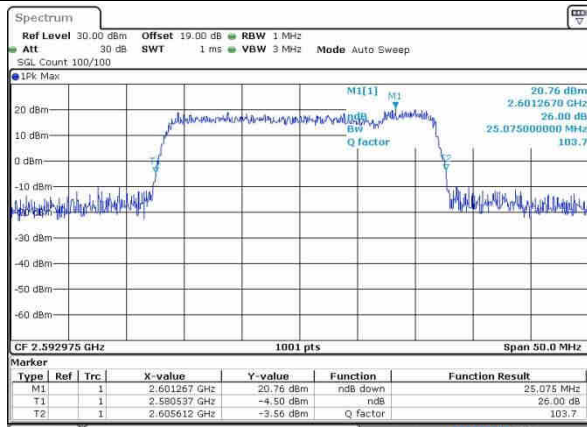
Date: 7 FEB 2019 17:56:58

Lowest Channel / 20MHz+10MHz



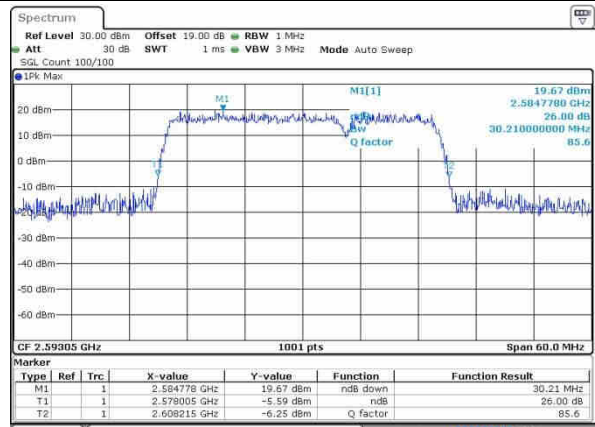
Date: 6 FEB 2019 15:12:41

Middle Channel / 20MHz+5MHz



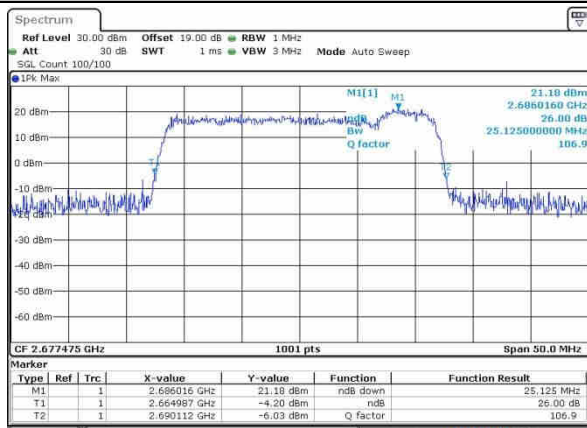
Date: 7 FEB 2019 19:00:11

Middle Channel / 20MHz+10MHz



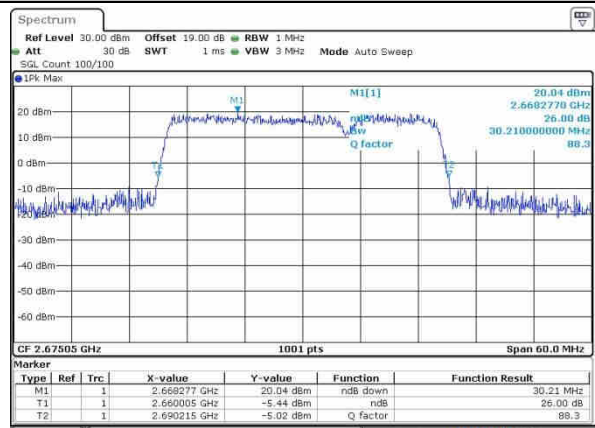
Date: 6 FEB 2019 16:54:36

Highest Channel / 20MHz+5MHz



Date: 7 FEB 2019 19:05:04

Highest Channel / 20MHz+10MHz



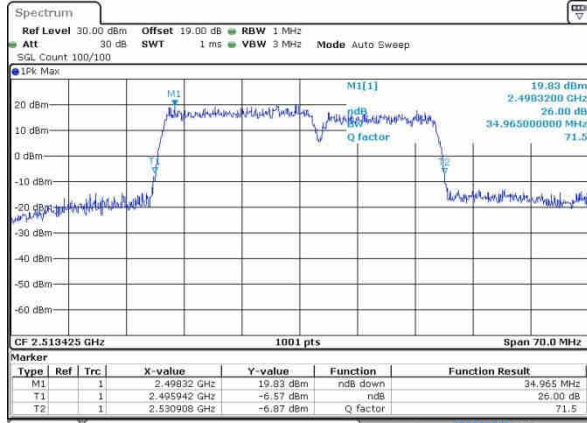
Date: 6 FEB 2019 17:22:21



LTE Band 41

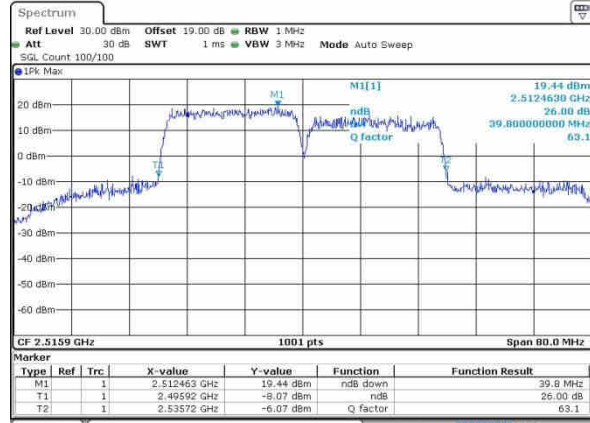
64QAM

Lowest Channel / 20MHz+15MHz



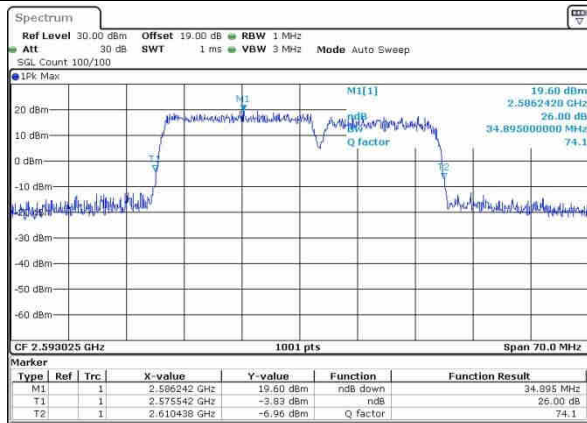
Date: 5 FEB 2019 16:27:57

Lowest Channel / 20MHz+20MHz



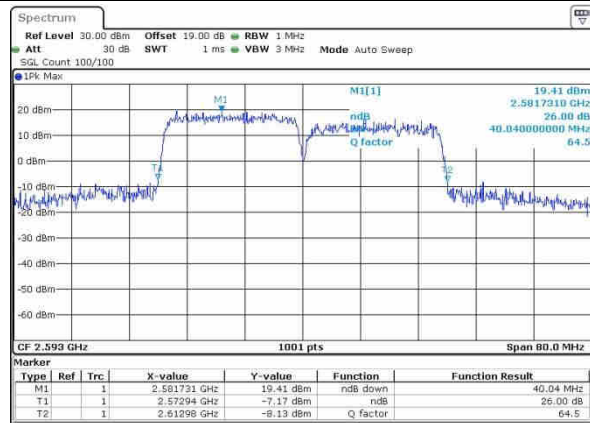
Date: 5 FEB 2019 14:27:19

Middle Channel / 20MHz+15MHz



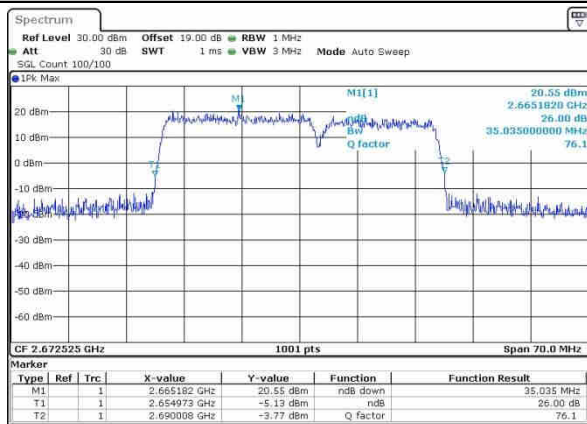
Date: 5 FEB 2019 16:36:22

Middle Channel / 20MHz+20MHz



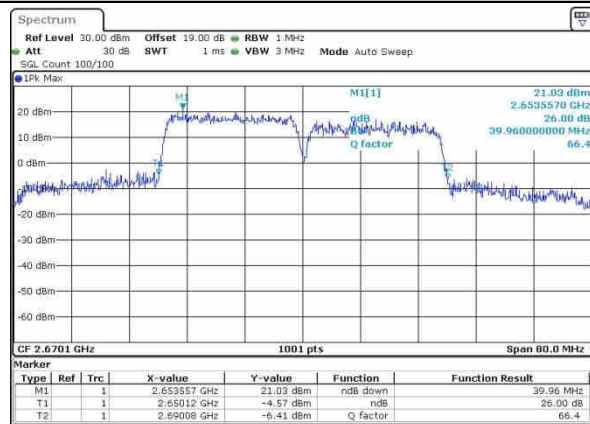
Date: 5 FEB 2019 14:30:23

Highest Channel / 20MHz+15MHz



Date: 5 FEB 2019 17:19:54

Highest Channel / 20MHz+20MHz



Date: 5 FEB 2019 15:17:22

**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	1.08	1.09	2.72	2.72	4.48	4.49	9.05	9.05	13.37	13.46	18.42	18.3
Middle CH	1.09	1.08	2.73	2.71	4.49	4.5	9.07	9.03	13.4	13.46	18.38	18.38
Highest CH	1.09	1.09	2.73	2.71	4.5	4.48	9.07	8.99	13.43	13.37	18.3	18.34
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		2.71		4.47		9.03		13.46		18.46	
Middle CH	1.09		2.73		4.5		8.97		13.43		18.38	
Highest CH	1.09		2.72		4.49		8.99		13.55		18.34	

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	2.71	4.5	4.51	9.03	9.05	13.46	13.4	18.3	18.38
Middle CH	1.09	1.09	2.7	2.72	4.49	4.49	9.11	9.03	13.49	13.49	18.5	18.54
Highest CH	1.09	1.09	2.72	2.73	4.5	4.49	9.03	8.97	13.4	13.46	18.3	18.38
Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.09		2.73		4.49		9.05		13.4		18.26	
Middle CH	1.09		2.73		4.48		9.07		13.49		18.34	
Highest CH	1.09		2.71		4.5		9.01		13.49		18.46	

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	1.08	1.09	2.73	2.7	4.49	4.49	9.01	9.03	1.09	2.74	4.49	8.99
Middle CH	1.09	1.09	2.72	2.72	4.49	4.48	9.03	9.07	1.09	2.73	4.49	9.09
Highest CH	1.09	1.09	2.73	2.73	4.5	4.5	9.03	9.01	1.09	2.73	4.48	9.01



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	-	-	-	-	4.47	4.49	9.03	9.03	13.46	13.43	18.38	18.38
Middle CH	-	-	-	-	4.47	4.49	9.05	9.03	13.49	13.46	18.3	18.42
Highest CH	-	-	-	-	4.5	4.5	9.03	9.01	13.52	13.4	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	-	9.03	-	13.49	-	18.42	-				
Middle CH	4.49	-	9.07	-	13.4	-	18.34	-				
Highest CH	4.5	-	9.01	-	13.46	-	18.38	-				

Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		1.4MHz	3 MHz	5 MHz	10 MHz
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM	64QAM	64QAM
Lowest CH	1.1	1.1	2.71	2.7	4.49	4.49	9.07	9.01	1.09	2.73	4.5	9.03
Middle CH	1.09	1.09	2.72	2.72	4.5	4.5	9.03	9.05	1.09	2.72	4.5	9.05
Highest CH	1.08	1.09	2.7	2.7	4.48	4.46	9.05	9.01	1.09	2.74	4.49	8.99

Mode	LTE Band 13 : 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	-	-	-	-	4.49	4.47	-	-	-	-	-	-
Middle CH	-	-	-	-	4.49	4.50	9.07	9.01	-	-	-	-
Highest CH	-	-	-	-	4.50	4.50	-	-	-	-	-	-
Mode	LTE Band 13 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH					4.48							
Middle CH					4.49		9.03					
Highest CH					4.49							



Mode	LTE Band 17 : 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	-	-	-	-	4.51	4.49	9.01	9.05	-	-	-	-
Middle CH	-	-	-	-	4.5	4.49	9.03	8.99	-	-	-	-
Highest CH	-	-	-	-	4.5	4.51	9.03	9.05	-	-	-	-
Mode	LTE Band 17 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-		-		4.48		9.03		-		-	
Middle CH	-		-		4.49		8.97		-		-	
Highest CH	-		-		4.49		9.03		-		-	

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	2.71	4.49	4.48	9.05	9.03	13.4	13.4	18.3	18.14
Middle CH	1.09	1.1	2.72	2.72	4.49	4.49	9.07	9.03	13.46	13.43	18.3	18.38
Highest CH	1.09	1.09	2.72	2.71	4.5	4.5	9.03	8.99	13.4	13.37	18.3	18.22
Mode	LTE Band 25 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.08		2.72		4.48		8.95		13.37		18.38	
Middle CH	1.08		2.73		4.49		9.05		13.55		18.42	
Highest CH	1.09		2.73		4.49		9.03		13.46		18.5	

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	1.1	1.09	2.73	2.72	4.48	4.51	9.03	9.05	13.34	13.34	13.46	13.43
Middle CH	1.09	1.08	2.73	2.72	4.49	4.48	9.03	8.99	13.46	13.4	-	-
Highest CH	1.09	1.09	2.71	2.71	4.48	4.51	9.13	9.03	13.4	13.37	-	-
Mode	LTE Band 26 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		CH26765	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.09		2.73		4.5		9.03		13.4		13.49	
Middle CH	1.09		2.72		4.5		9.07		13.43		-	
Highest CH	1.09		2.73		4.49		8.99		13.4		-	



Mode	LTE Band 38 : 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	4.5	9.07	9.01	13.49	13.37	18.5	18.26
Middle CH	-	-	-	-	4.49	4.49	9.13	9.01	13.43	13.43	18.46	18.42
Highest CH	-	-	-	-	4.48	4.5	9.05	9.03	13.4	13.46	18.42	18.14
Mode	LTE Band 38 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-		-		4.49		9.05		13.43		18.14	
Middle CH	-		-		4.47		9.03		13.37		18.46	
Highest CH	-		-		4.49		8.91		13.46		18.26	

Mode	LTE Band 41 : 99%OBW(MHz)											
BW					5MHz		10MHz		15MHz		20MHz	
Mod.					QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH					4.5	4.5	9.01	8.95	13.46	13.40	18.38	18.30
Middle CH					4.48	4.5	8.99	9.03	13.40	13.40	18.26	18.38
Highest CH					4.47	4.49	8.99	9.05	13.46	13.43	18.30	18.34
Mode	LTE Band 41 : 99%OBW(MHz)											
BW					5MHz		10MHz		15MHz		20MHz	
Mod.					64QAM		64QAM		64QAM		64QAM	
Lowest CH					4.48		9.01		13.37		18.30	
Middle CH					4.48		9.05		13.46		18.26	
Highest CH					4.49		9.07		13.46		18.30	

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	1.09	2.73	2.71	4.49	4.48	8.99	9.03	13.40	13.46	18.54	18.46
Middle CH	1.1	1.09	2.7	2.72	4.48	4.5	9.09	9.01	13.37	13.46	18.26	18.38
Highest CH	1.1	1.09	2.72	2.71	4.48	4.5	9.01	8.97	13.43	13.49	18.42	13.34
Mode	LTE Band 66 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.09		2.73		4.49		8.99		13.43		18.42	
Middle CH	1.09		2.73		4.5		8.99		13.40		18.30	
Highest CH	1.09		2.72		4.49		9.03		13.40		18.38	



Mode	LTE Band 71 : 99%OBW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	4.51	4.49	8.99	8.95	13.37	13.46	18.38	18.26
Middle CH	4.48	4.50	9.05	8.97	13.40	13.40	18.30	18.42
Highest CH	4.50	4.49	9.09	9.03	13.46	13.52	18.34	18.42
Mode	LTE Band 71 : 99%OBW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM	
Lowest CH	4.49		9.01		13.37		18.42	
Middle CH	4.50		9.03		13.34		18.26	
Highest CH	4.50		9.01		13.40		18.26	



For CA

Mode	LTE Band 7 : 99%OBW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+5MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	27.87	-	23.38	28.533
Middle CH	27.99	-	23.48	28.473
Highest CH	27.93	-	23.38	28.533
BW	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	32.80	27.99	32.80	37.48
Middle CH	32.73	28.05	32.87	37.64
Highest CH	32.87	28.05	33.01	37.64

Mode	LTE Band 7 : 99%OBW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+5MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	27.93	-	23.33	28.53
Middle CH	27.93	-	23.43	28.65
Highest CH	27.93	-	23.43	28.53
BW	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	32.73	27.93	32.73	37.56
Middle CH	32.80	28.11	32.94	37.64
Highest CH	32.73	29.93	32.80	37.80

Mode	LTE Band 7 : 99%OBW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+5MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	27.99	-	23.38	28.53
Middle CH	27.93	-	23.53	28.53
Highest CH	27.93	-	23.33	28.53
BW	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	32.66	27.99	32.73	37.56
Middle CH	32.66	27.99	32.73	37.64
Highest CH	32.723	27.99	32.80	37.56



Mode	LTE Band 41 : 99%OBW(MHz)				
QPSK					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	23.08	23.48	27.99	23.43	28.59
Middle CH	23.23	23.48	27.99	23.43	28.65
Highest CH	23.13	23.58	27.99	23.48	28.83
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	32.80	23.18	27.99	32.80	38.04
Middle CH	32.80	23.38	28.05	33.01	37.80
Highest CH	32.87	23.38	28.05	32.94	37.72

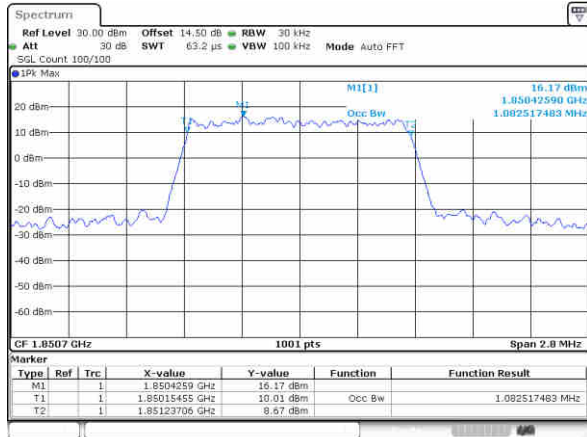
Mode	LTE Band 41 : 99%OBW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	23.18	23.43	28.05	23.38	28.53
Middle CH	23.08	23.38	27.99	23.43	28.59
Highest CH	22.98	23.38	27.99	23.48	28.59
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	32.87	23.23	28.05	32.73	37.56
Middle CH	32.80	23.33	28.05	32.80	37.64
Highest CH	32.66	23.38	28.05	32.80	37.80

Mode	LTE Band 41 : 99%OBW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	23.28	23.43	27.93	23.38	28.59
Middle CH	23.23	23.43	28.05	23.43	28.59
Highest CH	23.33	23.48	27.93	23.53	28.53
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	32.80	23.23	28.05	32.66	37.72
Middle CH	32.80	23.28	27.99	32.80	37.56
Highest CH	32.73	23.33	28.11	32.73	37.88

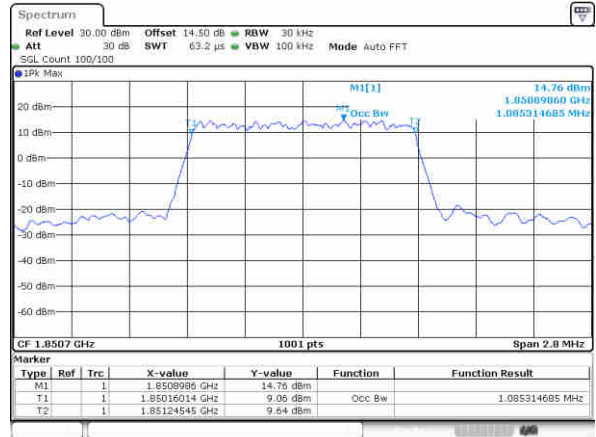


LTE Band 2

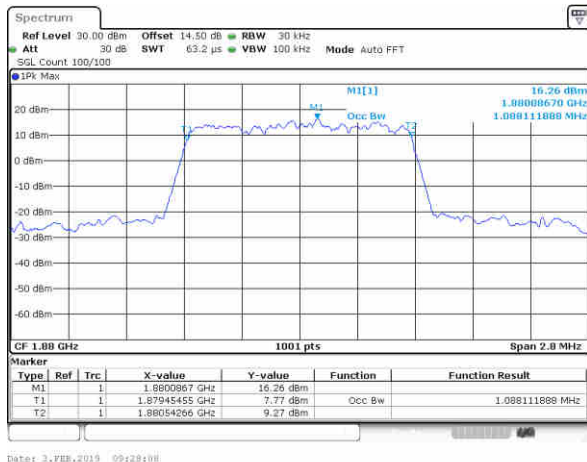
Lowest Channel / 1.4MHz / QPSK



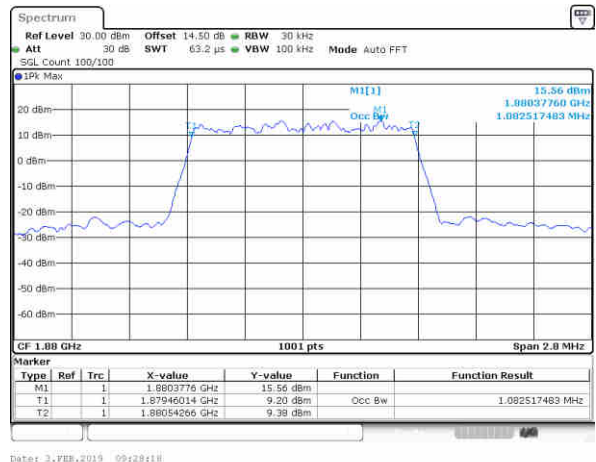
Lowest Channel / 1.4MHz / 16QAM



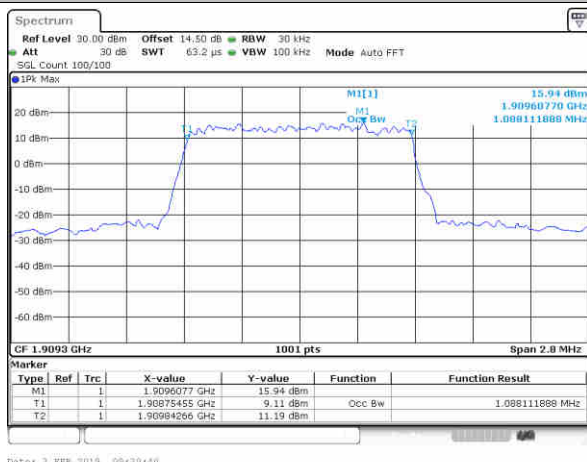
Middle Channel / 1.4MHz / QPSK



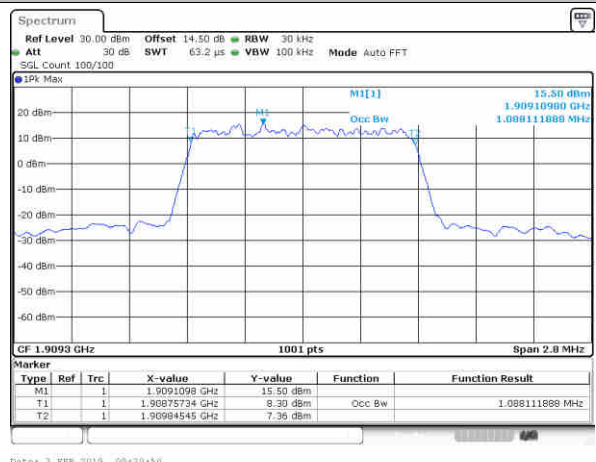
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



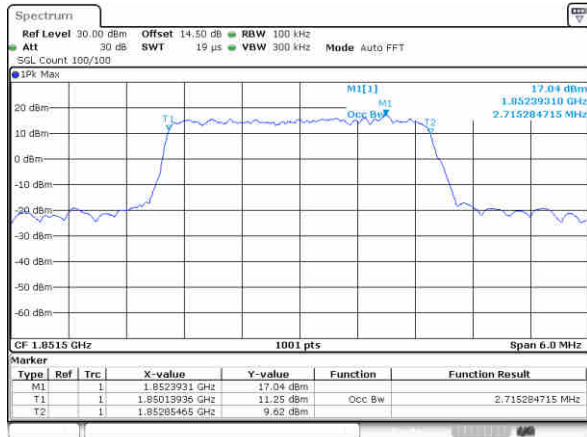
Highest Channel / 1.4MHz / 16QAM



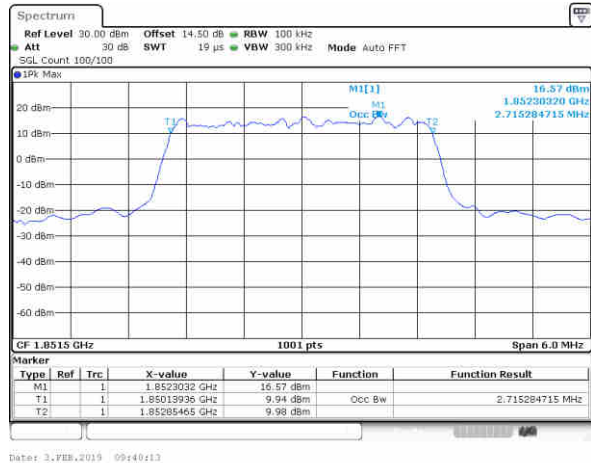


LTE Band 2

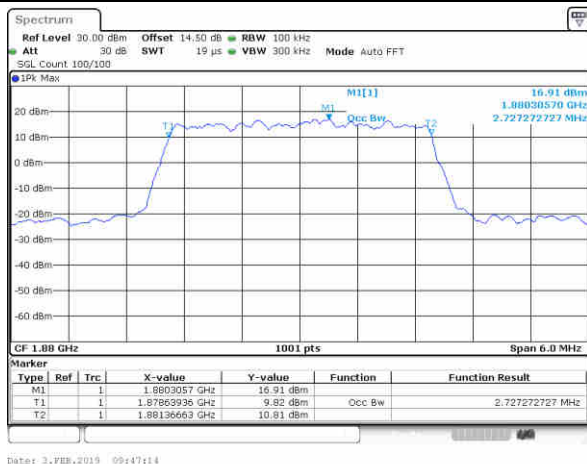
Lowest Channel / 3MHz / QPSK



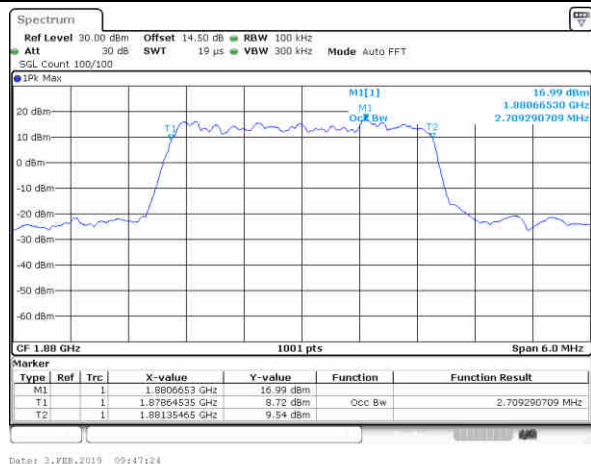
Lowest Channel / 3MHz / 16QAM



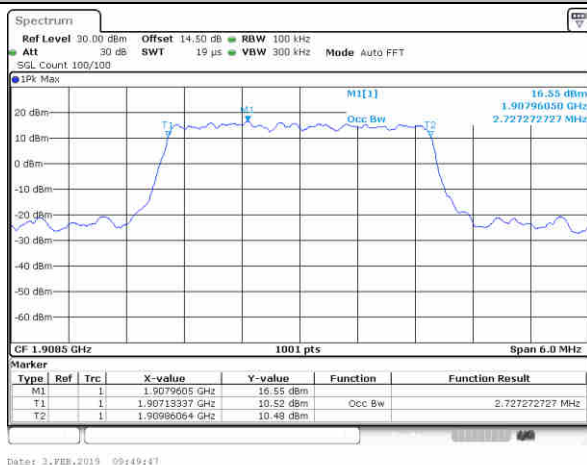
Middle Channel / 3MHz / QPSK



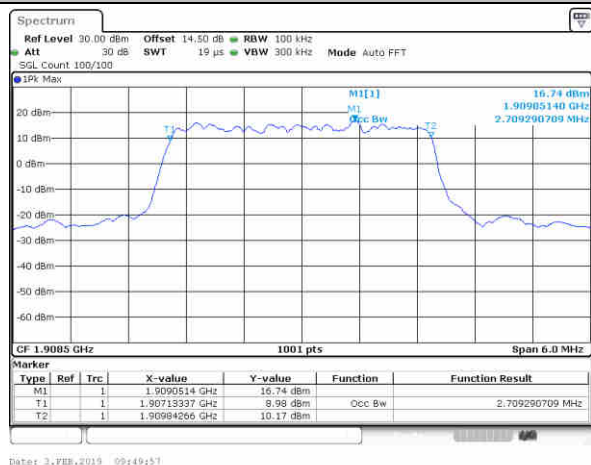
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



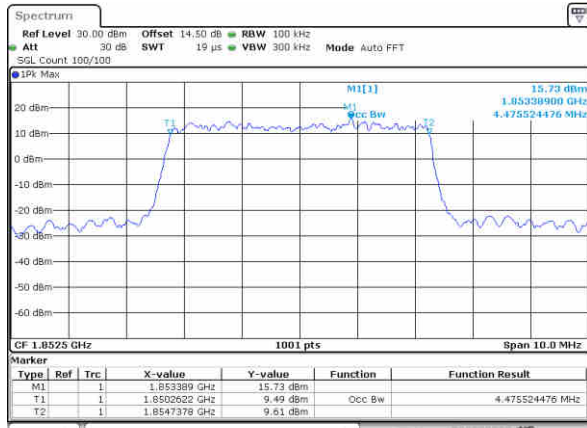
Highest Channel / 3MHz / 16QAM



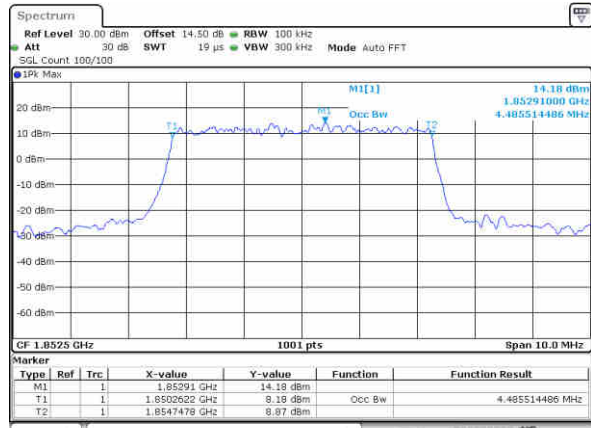


LTE Band 2

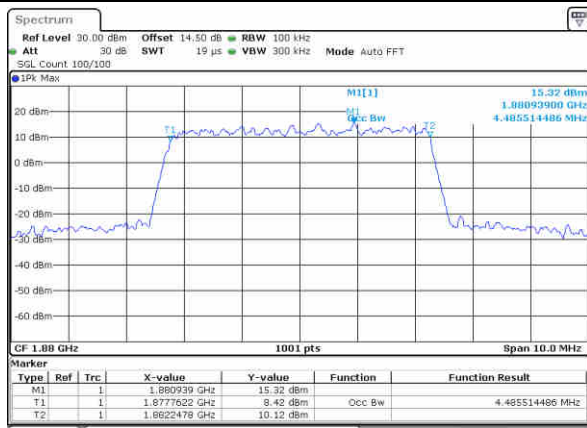
Lowest Channel / 5MHz / QPSK



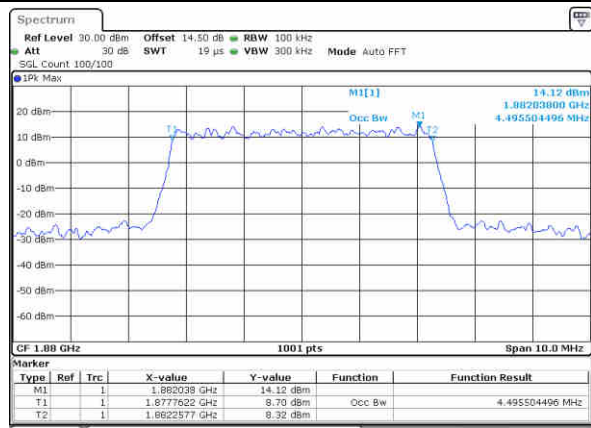
Lowest Channel / 5MHz / 16QAM



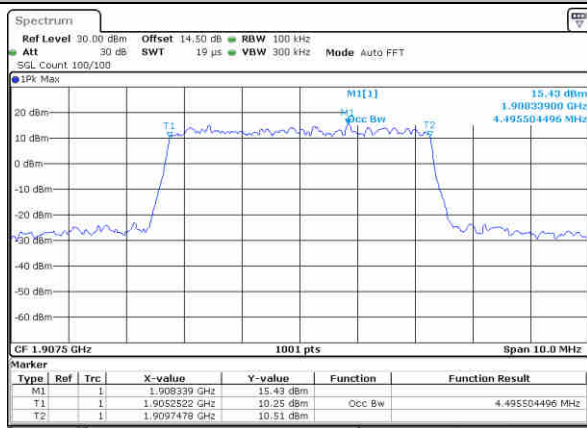
Middle Channel / 5MHz / QPSK



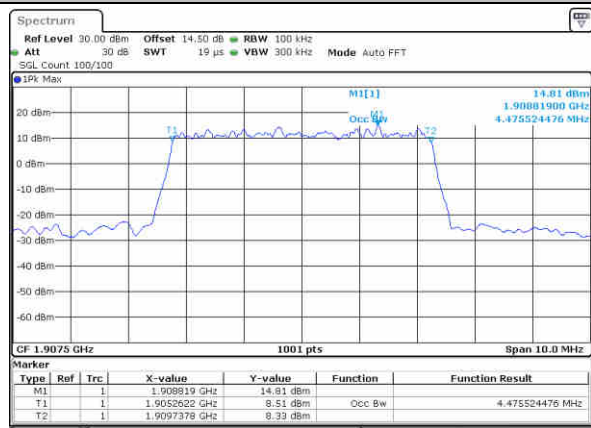
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



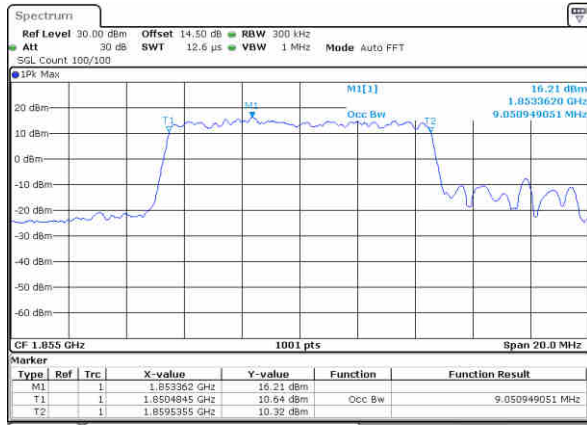
Highest Channel / 5MHz / 16QAM





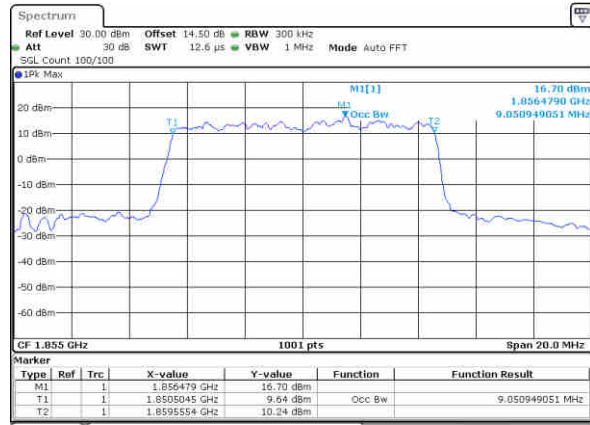
LTE Band 2

Lowest Channel / 10MHz / QPSK



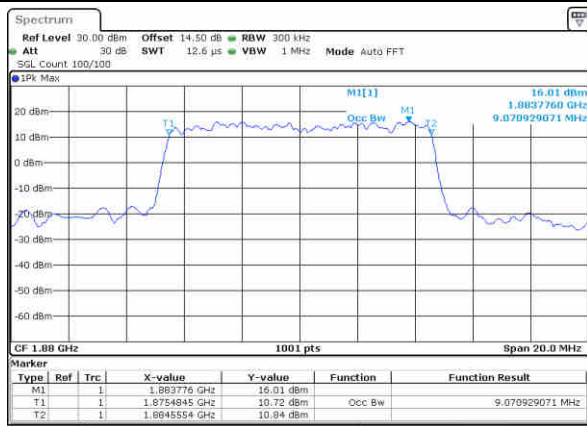
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Lowest Channel / 10MHz / 16QAM



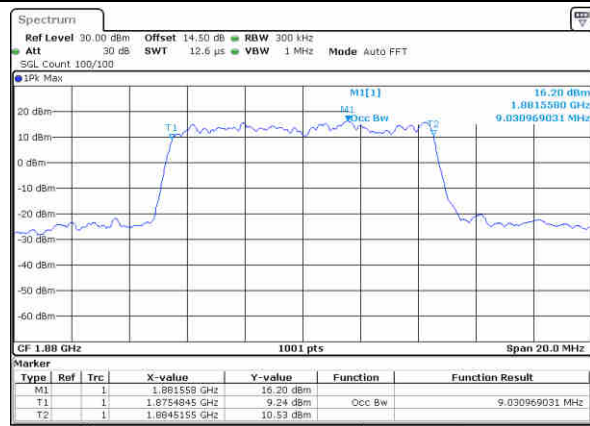
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Middle Channel / 10MHz / QPSK



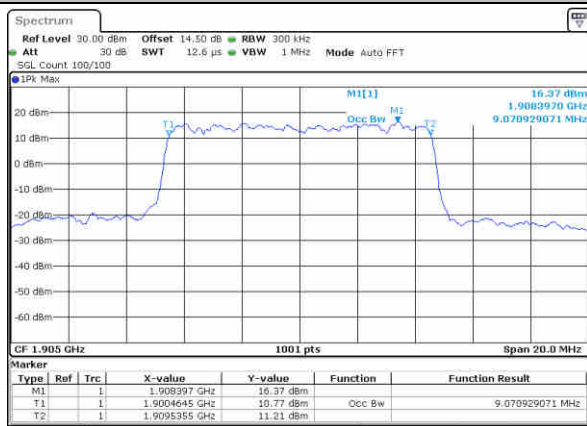
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Middle Channel / 10MHz / 16QAM



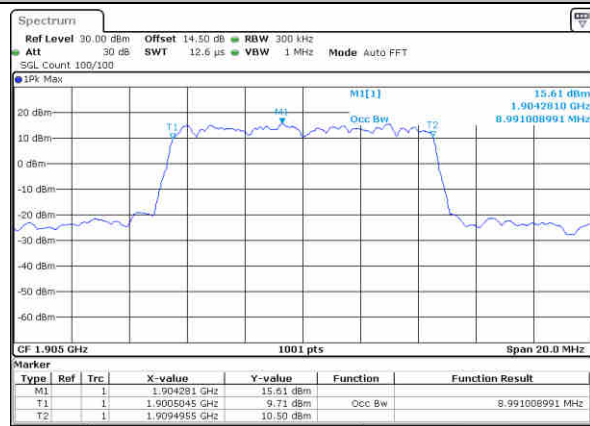
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Highest Channel / 10MHz / QPSK



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Highest Channel / 10MHz / 16QAM

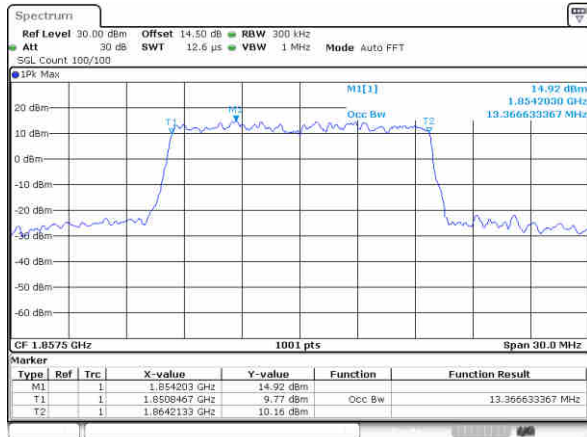


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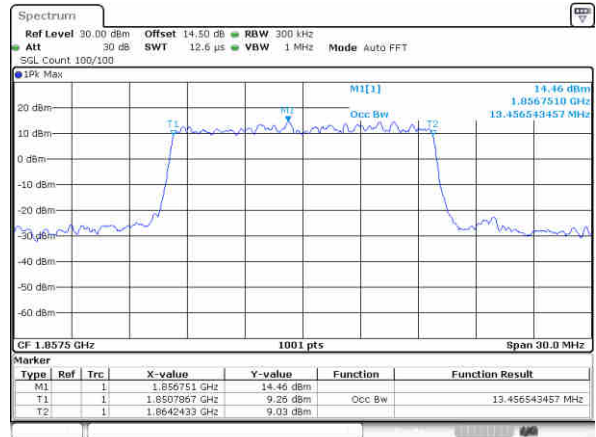


LTE Band 2

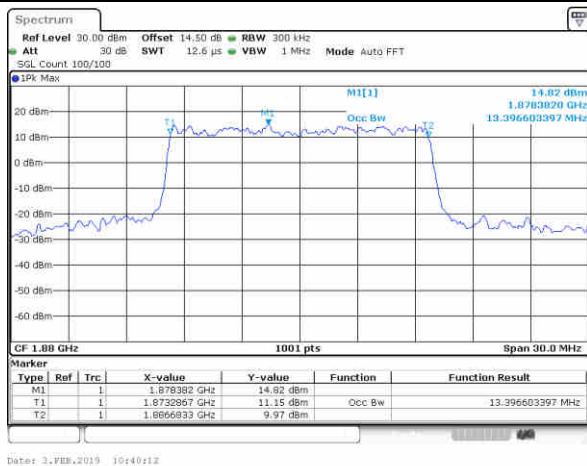
Lowest Channel / 15MHz / QPSK



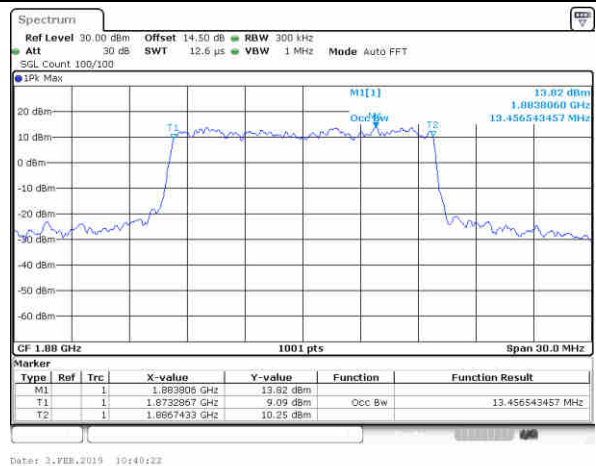
Lowest Channel / 15MHz / 16QAM



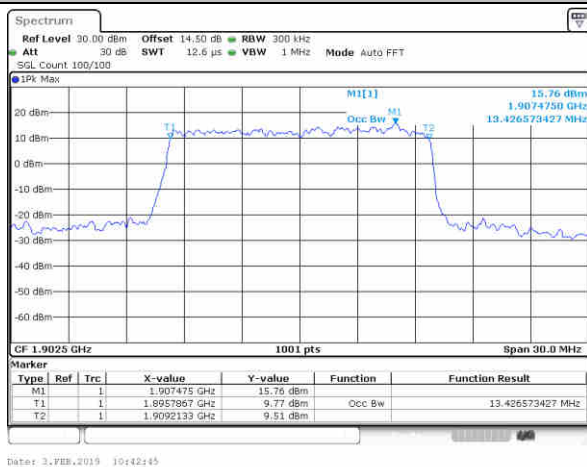
Middle Channel / 15MHz / QPSK



Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



Highest Channel / 15MHz / 16QAM

