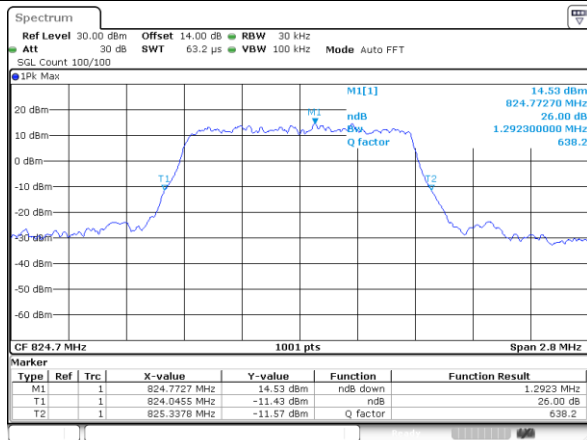




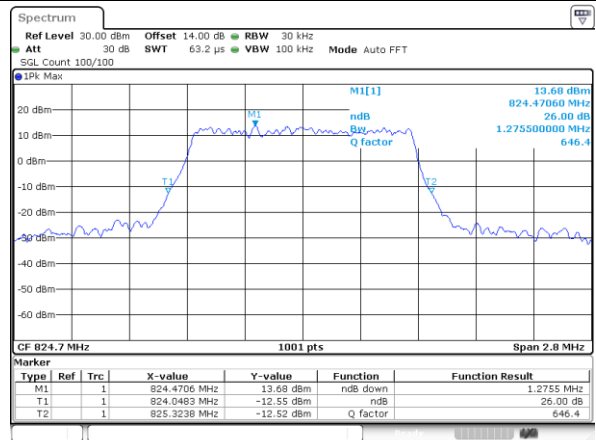
LTE Band 5

Lowest Channel / 1.4MHz / QPSK



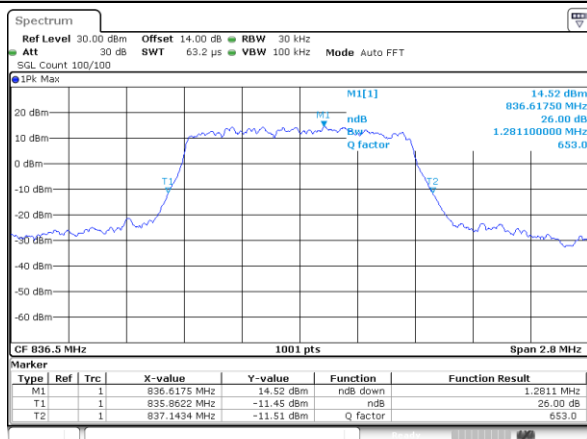
Date: 25_JAN_2019 09:30:31

Lowest Channel / 1.4MHz / 16QAM



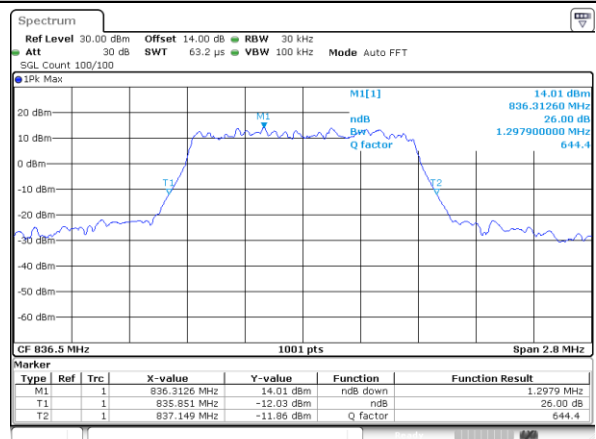
Date: 25_JAN_2019 09:30:21

Middle Channel / 1.4MHz / QPSK



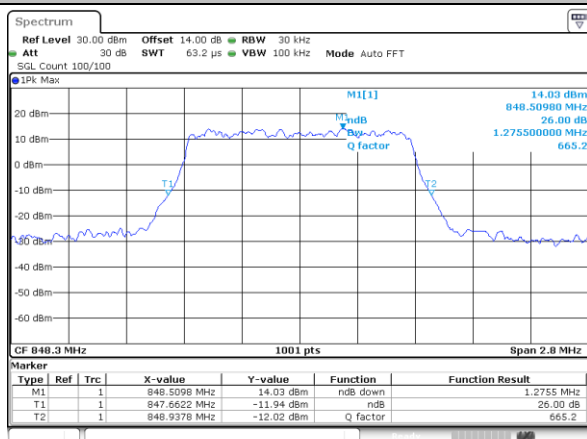
Date: 25_JAN_2019 09:39:30

Middle Channel / 1.4MHz / 16QAM



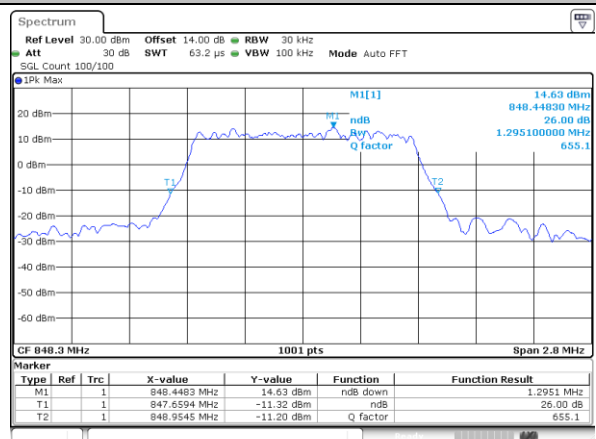
Date: 25_JAN_2019 09:39:40

Highest Channel / 1.4MHz / QPSK



Date: 25_JAN_2019 09:42:02

Highest Channel / 1.4MHz / 16QAM

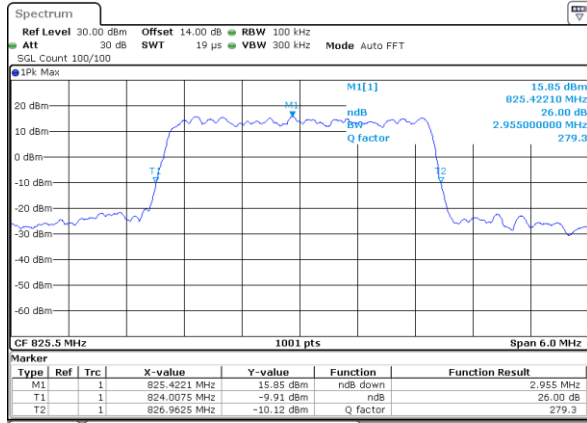


Date: 25_JAN_2019 09:42:12



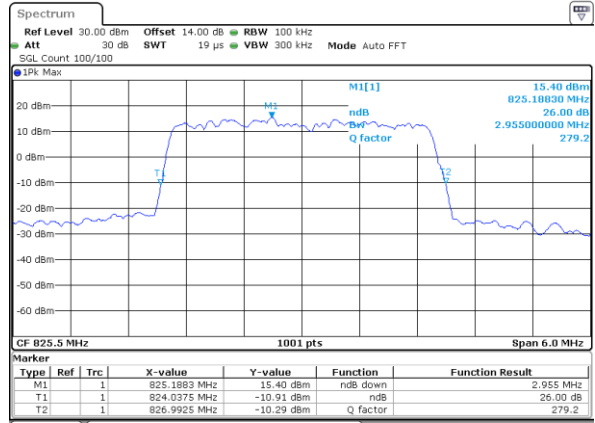
LTE Band 5

Lowest Channel / 3MHz / QPSK



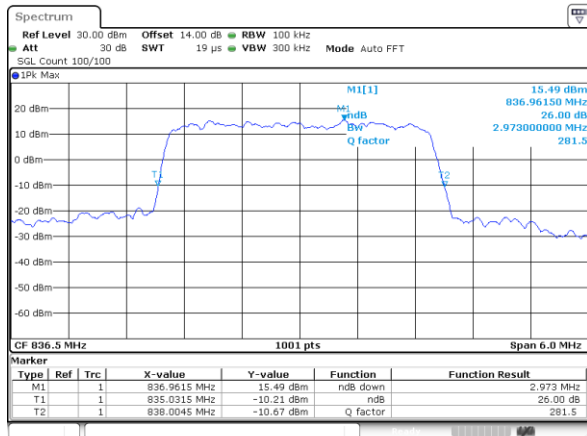
Date: 25.JAN.2019 09:53:57

Lowest Channel / 3MHz / 16QAM



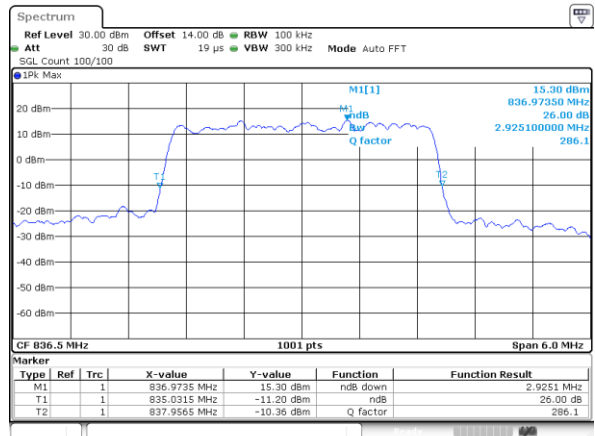
Date: 25.JAN.2019 09:54:07

Middle Channel / 3MHz / QPSK



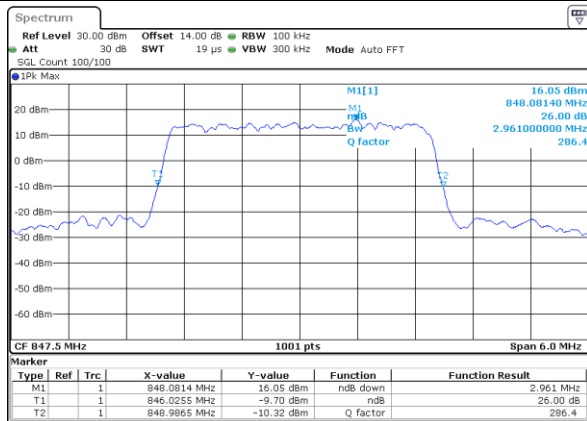
Date: 25.JAN.2019 10:03:08

Middle Channel / 3MHz / 16QAM



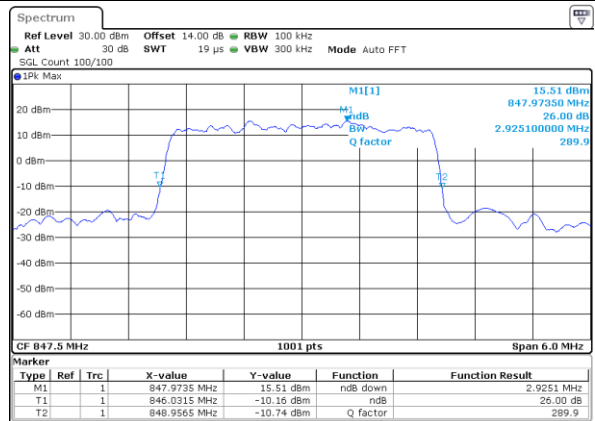
Date: 25.JAN.2019 10:03:18

Highest Channel / 3MHz / QPSK



Date: 25.JAN.2019 10:05:42

Highest Channel / 3MHz / 16QAM

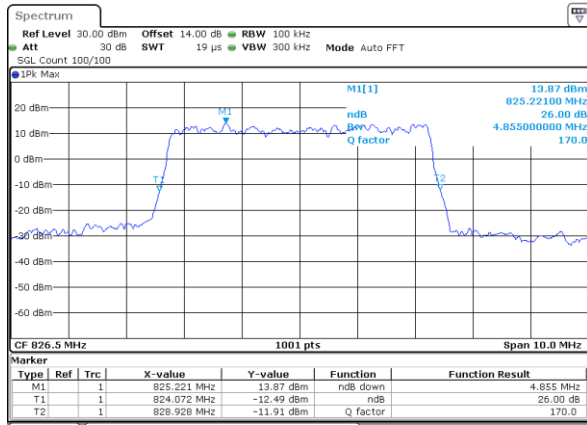


Date: 25.JAN.2019 10:05:52



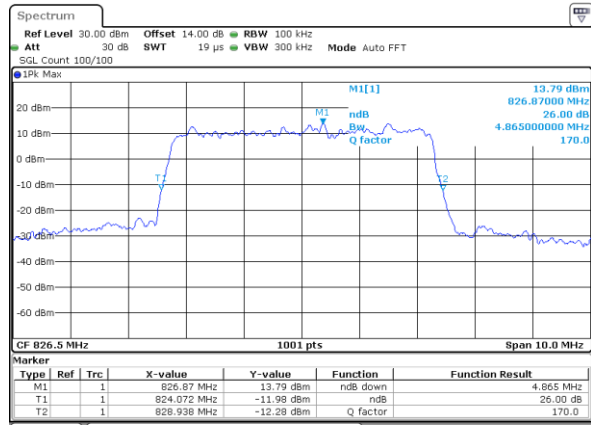
LTE Band 5

Lowest Channel / 5MHz / QPSK



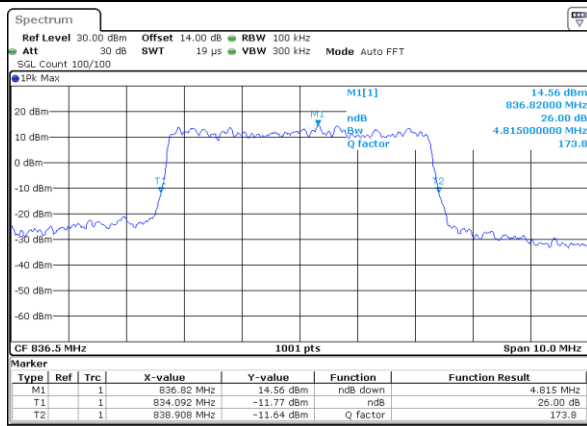
Date: 25.JAN.2019 10:19:11

Lowest Channel / 5MHz / 16QAM



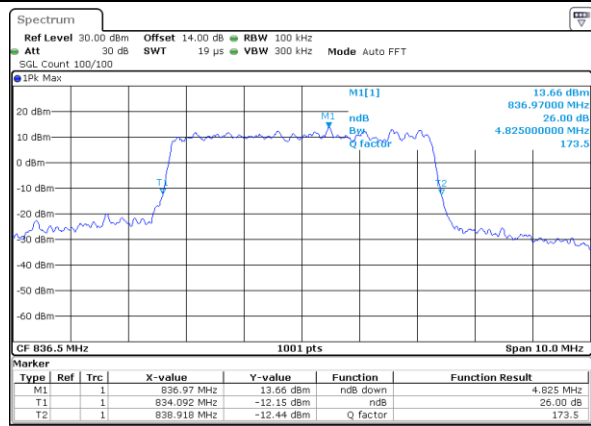
Date: 25.JAN.2019 10:19:21

Middle Channel / 5MHz / QPSK



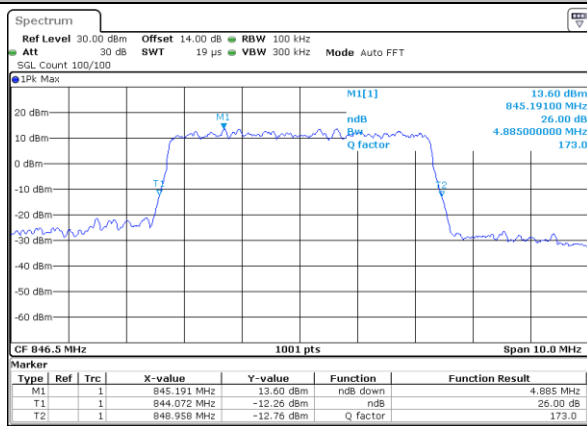
Date: 25.JAN.2019 10:28:22

Middle Channel / 5MHz / 16QAM



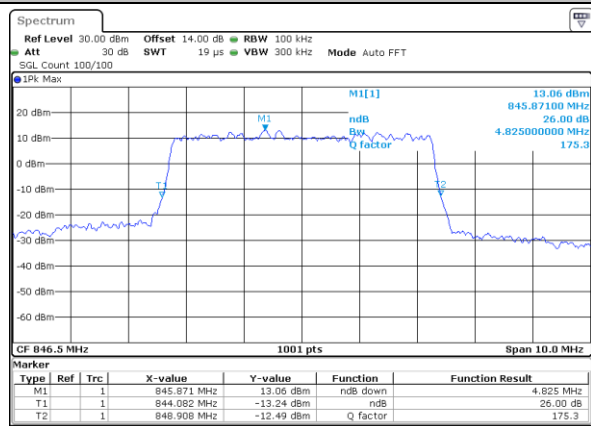
Date: 25.JAN.2019 10:28:32

Highest Channel / 5MHz / QPSK



Date: 25.JAN.2019 10:30:56

Highest Channel / 5MHz / 16QAM

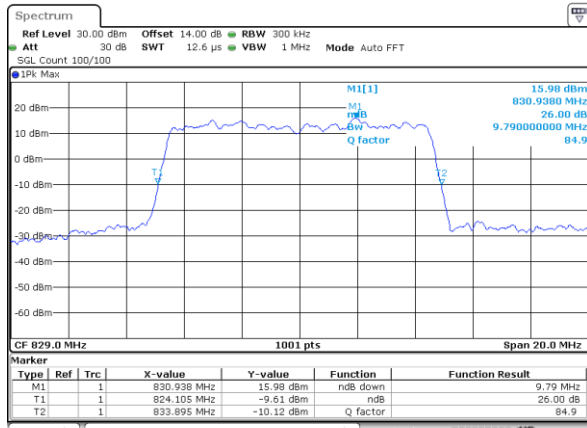


Date: 25.JAN.2019 10:31:06

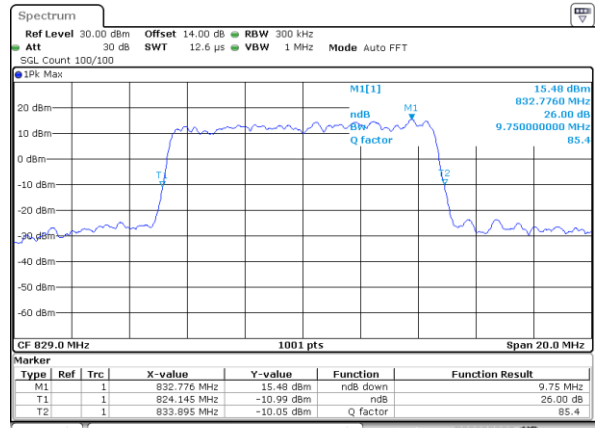


LTE Band 5

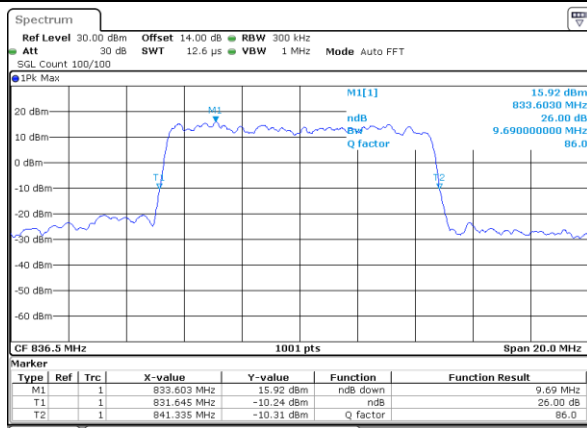
Lowest Channel / 10MHz / QPSK



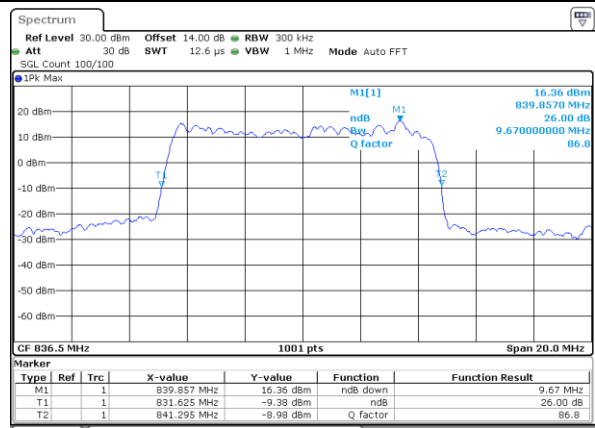
Lowest Channel / 10MHz / 16QAM



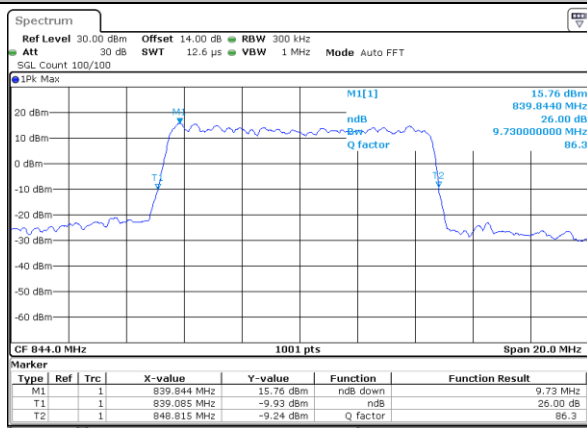
Middle Channel / 10MHz / QPSK



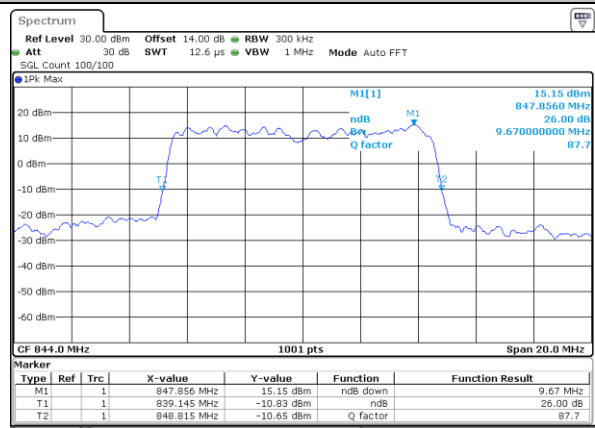
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



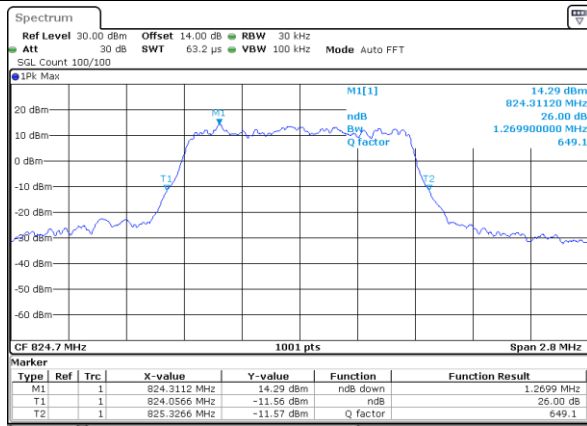
Highest Channel / 10MHz / 16QAM





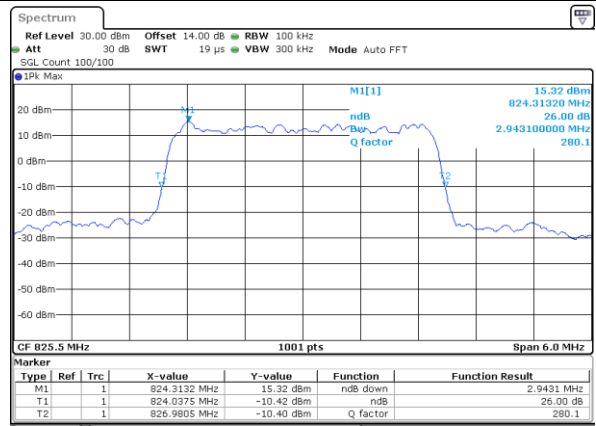
LTE Band 5

Lowest Channel / 1.4MHz / 64QAM



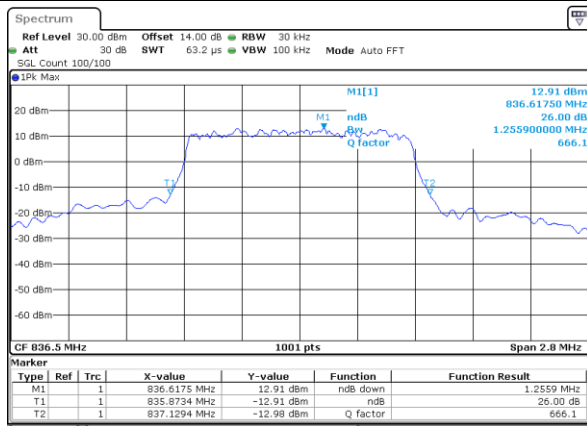
Date: 22.FEB.2019 20:54:52

Lowest Channel / 3MHz / 64QAM



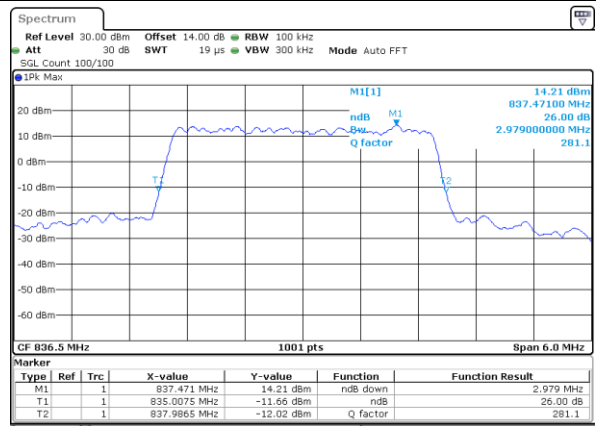
Date: 22.FEB.2019 21:05:19

Middle Channel / 1.4MHz / 64QAM



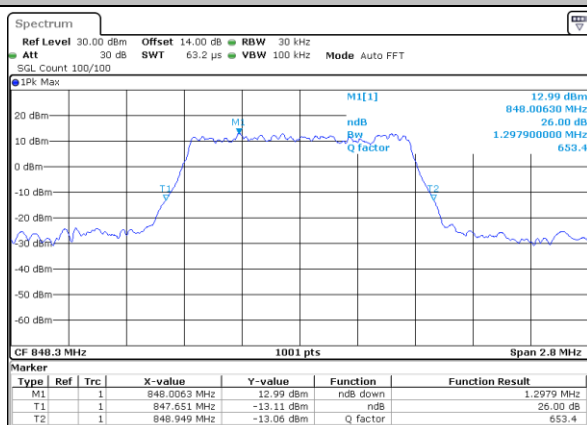
Date: 22.FEB.2019 20:55:02

Middle Channel / 3MHz / 64QAM



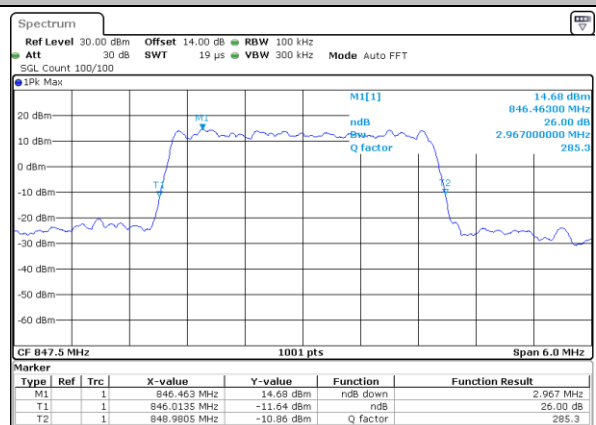
Date: 22.FEB.2019 21:05:29

Highest Channel / 1.4MHz / 64QAM



Date: 22.FEB.2019 20:55:12

Highest Channel / 3MHz / 64QAM

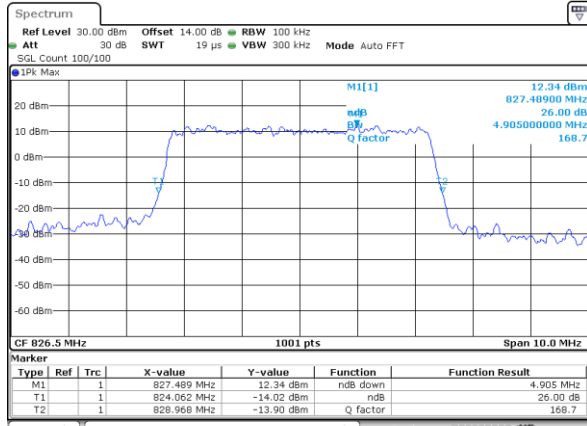


Date: 22.FEB.2019 21:05:39



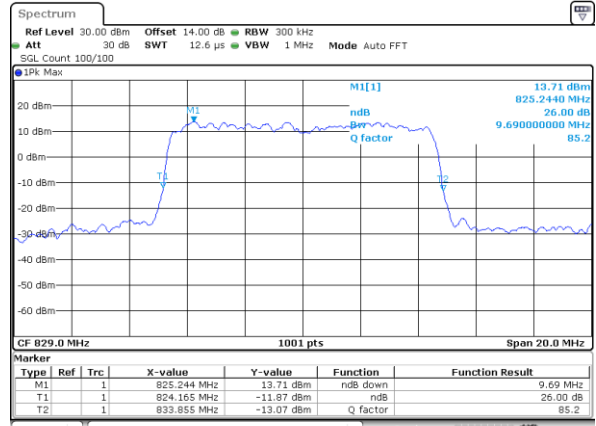
LTE Band 5

Lowest Channel / 5MHz / 64QAM



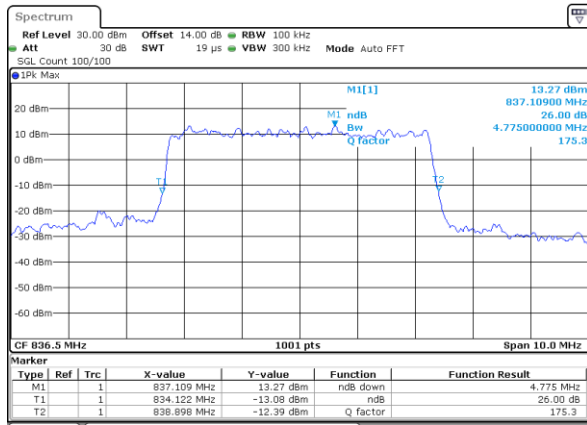
Date: 22.FEB.2019 21:15:46

Lowest Channel / 10MHz / 64QAM



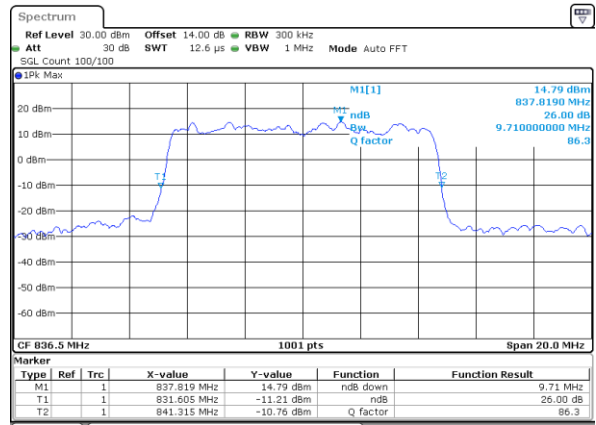
Date: 22.FEB.2019 21:26:14

Middle Channel / 5MHz / 64QAM



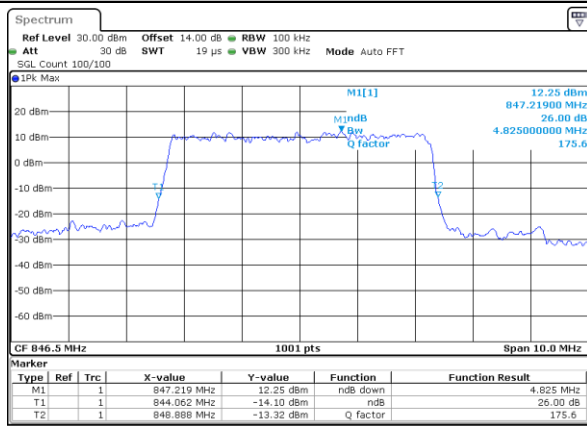
Date: 22.FEB.2019 21:15:56

Middle Channel / 10MHz / 64QAM



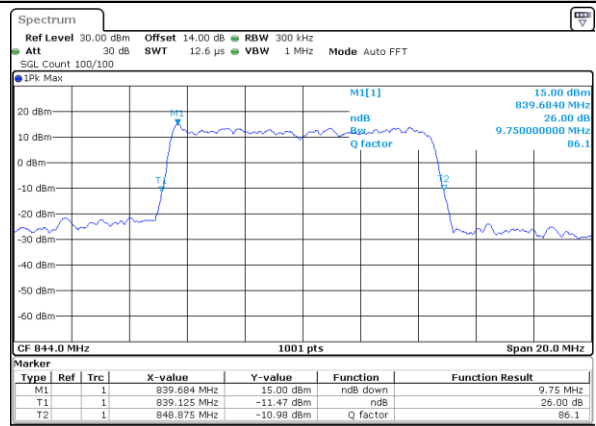
Date: 22.FEB.2019 21:26:24

Highest Channel / 5MHz / 64QAM



Date: 22.FEB.2019 21:16:06

Highest Channel / 10MHz / 64QAM

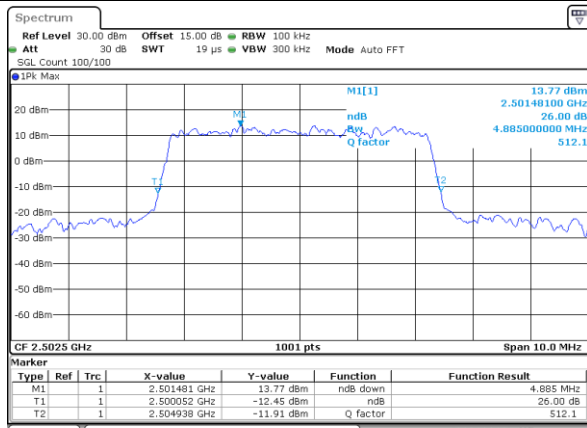


Date: 22.FEB.2019 21:26:34



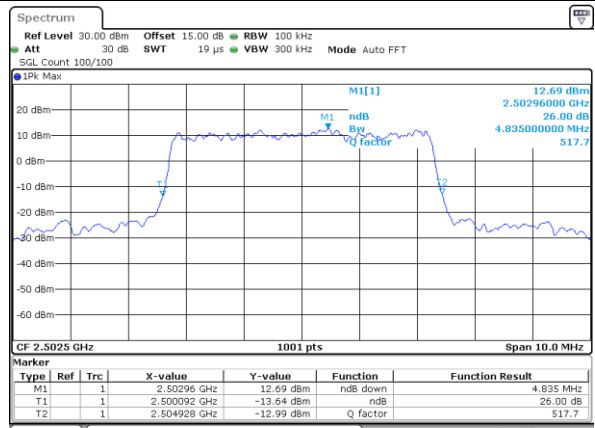
LTE Band 7

Lowest Channel / 5MHz / QPSK



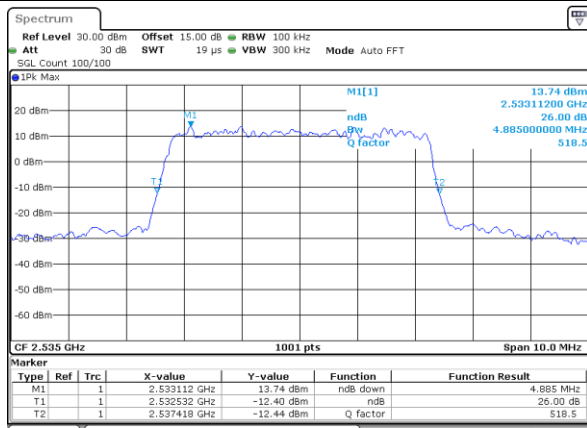
Date: 28_JAN,2019 09:42:14

Lowest Channel / 5MHz / 16QAM



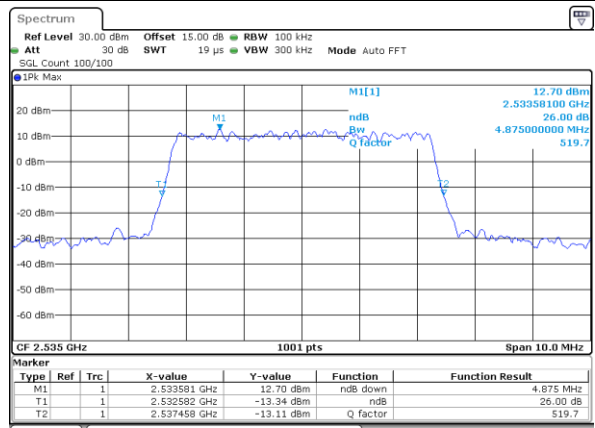
Date: 28_JAN,2019 09:45:57

Middle Channel / 5MHz / QPSK



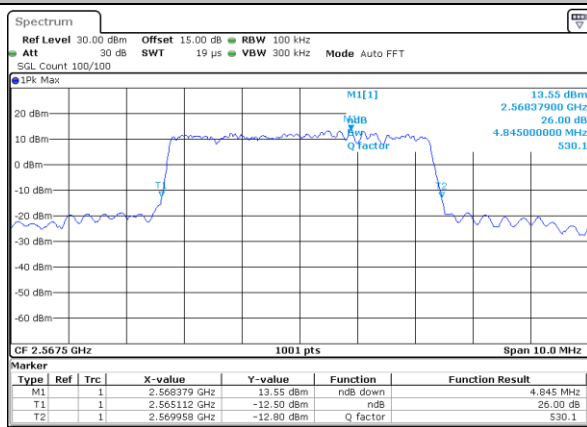
Date: 28_JAN,2019 09:42:24

Middle Channel / 5MHz / 16QAM



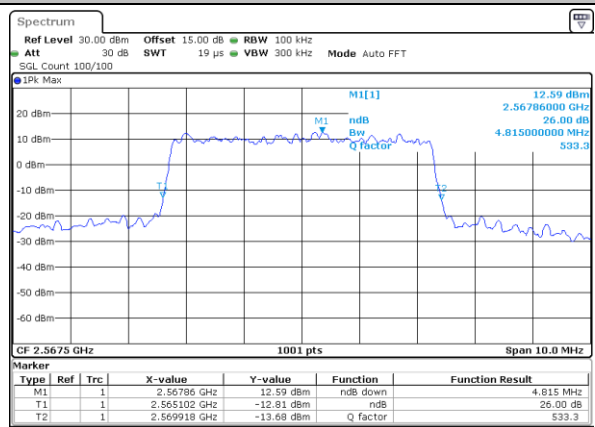
Date: 28_JAN,2019 09:46:07

Highest Channel / 5MHz / QPSK



Date: 28_JAN,2019 09:42:34

Highest Channel / 5MHz / 16QAM

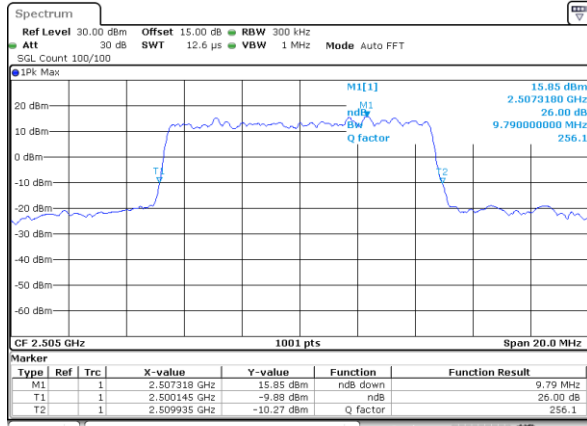


Date: 28_JAN,2019 09:46:18



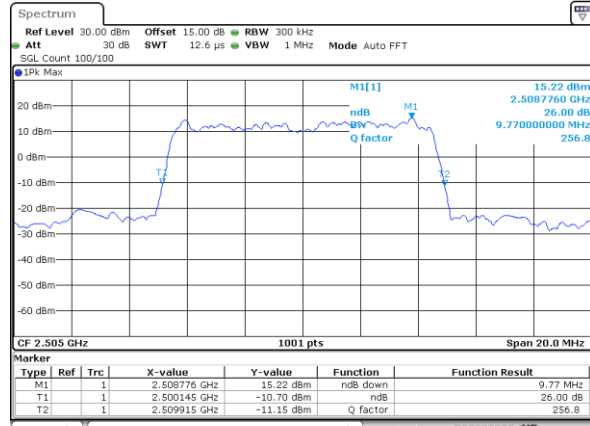
LTE Band 7

Lowest Channel / 10MHz / QPSK



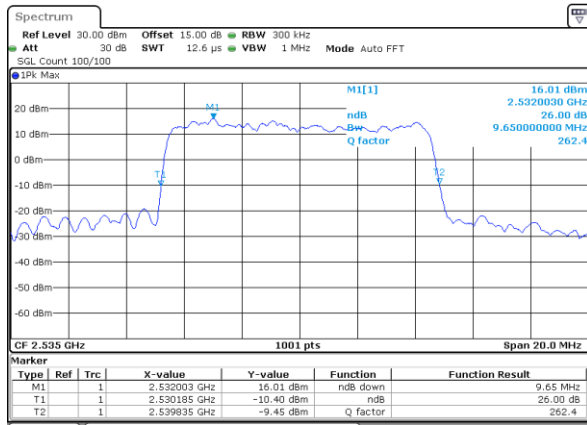
Date: 28.JAN.2019 10:12:08

Lowest Channel / 10MHz / 16QAM



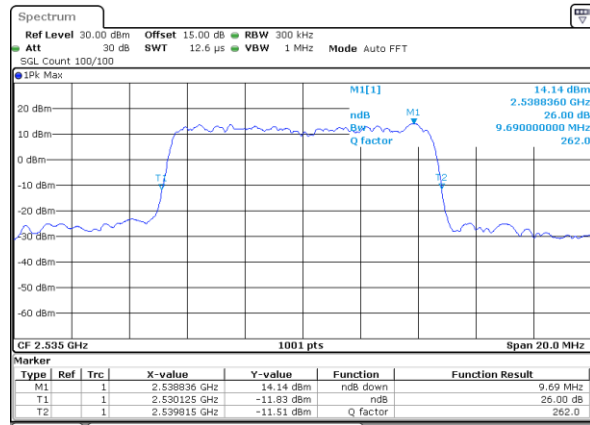
Date: 28.JAN.2019 10:12:38

Middle Channel / 10MHz / QPSK



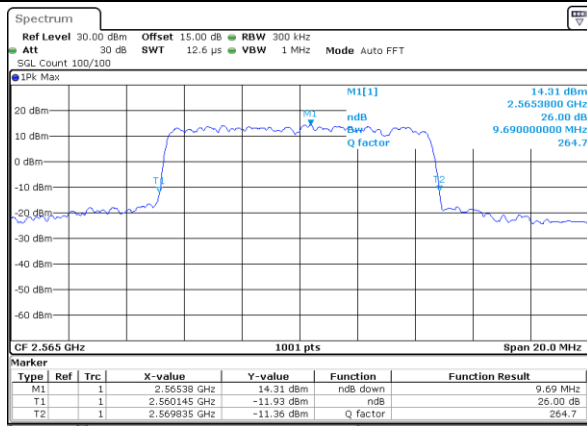
Date: 28.JAN.2019 10:12:18

Middle Channel / 10MHz / 16QAM



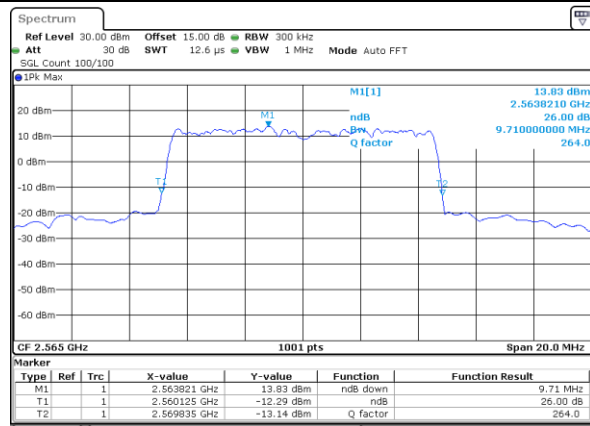
Date: 28.JAN.2019 10:12:48

Highest Channel / 10MHz / QPSK



Date: 28.JAN.2019 10:12:28

Highest Channel / 10MHz / 16QAM

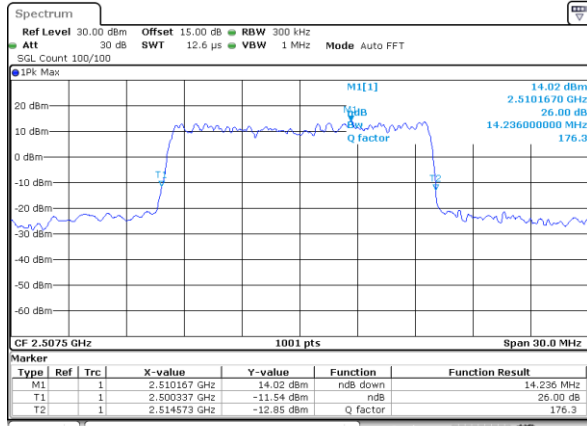


Date: 28.JAN.2019 10:12:58



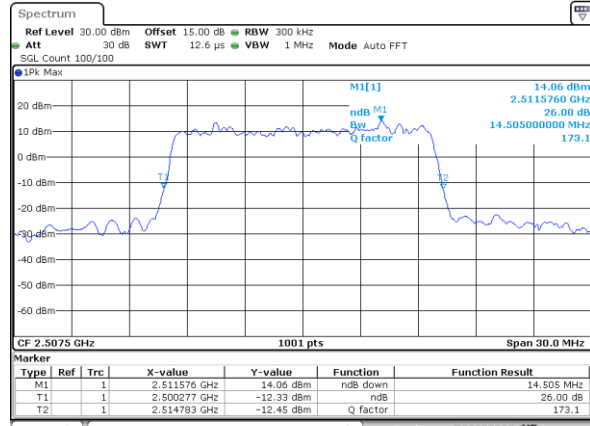
LTE Band 7

Lowest Channel / 15MHz / QPSK



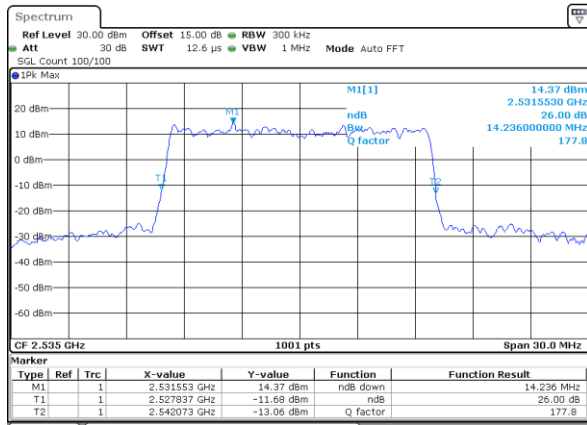
Date: 28.JAN.2019 10:30:59

Lowest Channel / 15MHz / 16QAM



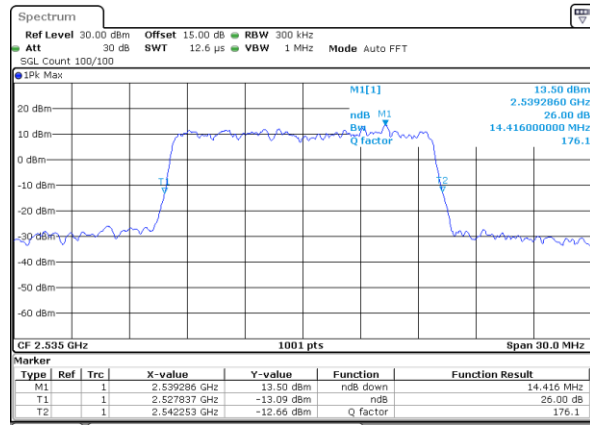
Date: 28.JAN.2019 10:31:30

Middle Channel / 15MHz / QPSK



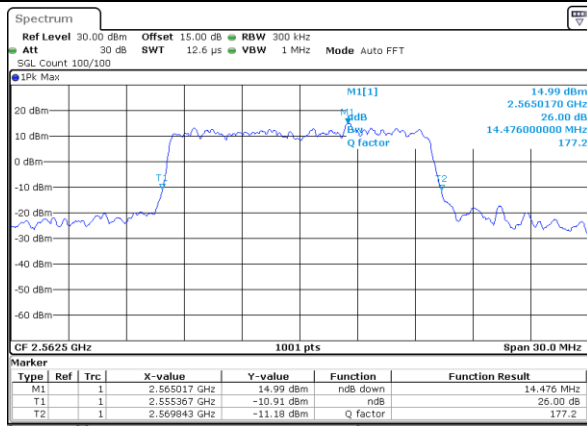
Date: 28.JAN.2019 10:31:09

Middle Channel / 15MHz / 16QAM



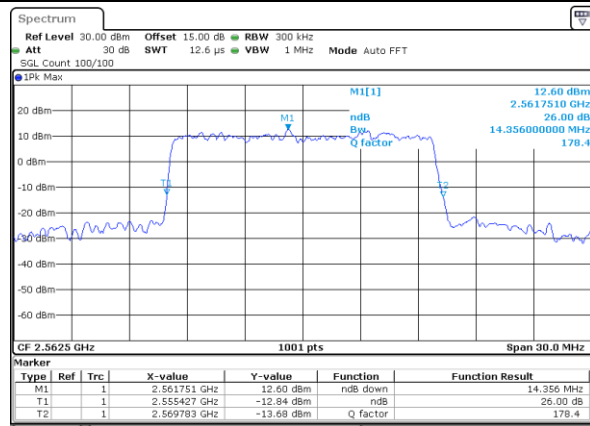
Date: 28.JAN.2019 10:31:40

Highest Channel / 15MHz / QPSK



Date: 28.JAN.2019 10:31:19

Highest Channel / 15MHz / 16QAM

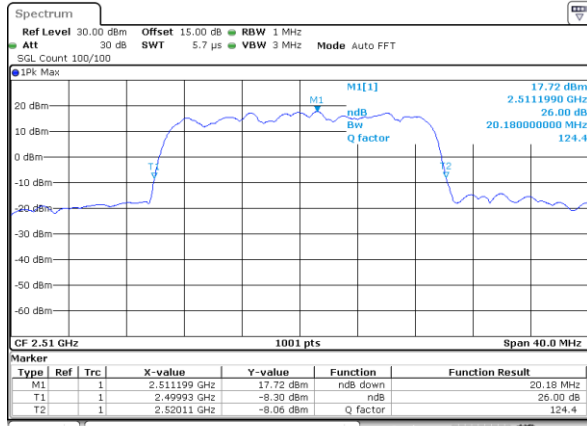


Date: 28.JAN.2019 10:31:50

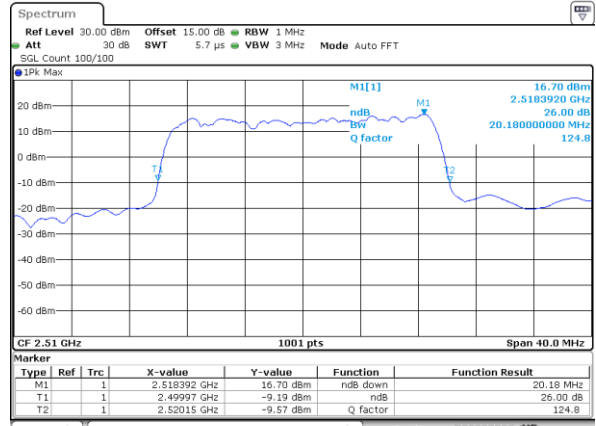


LTE Band 7

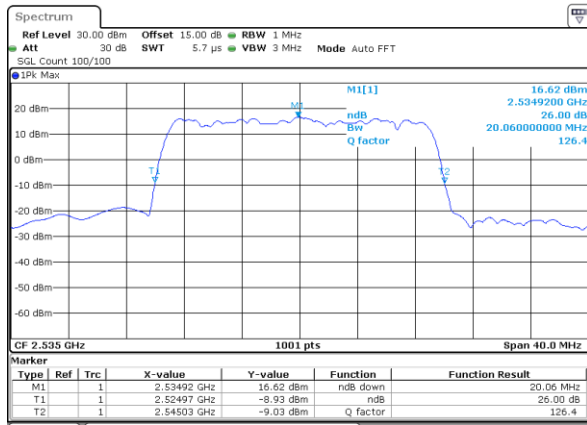
Lowest Channel / 20MHz / QPSK



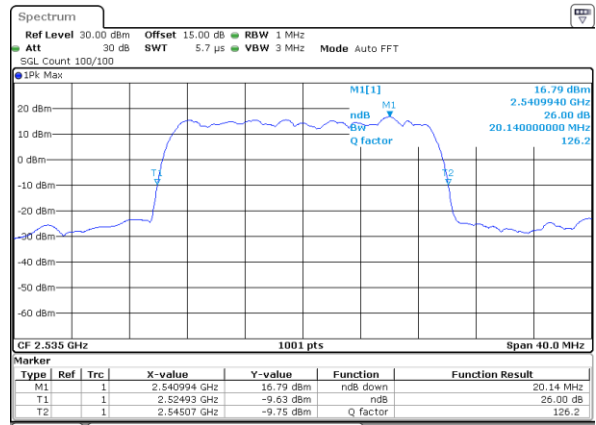
Lowest Channel / 20MHz / 16QAM



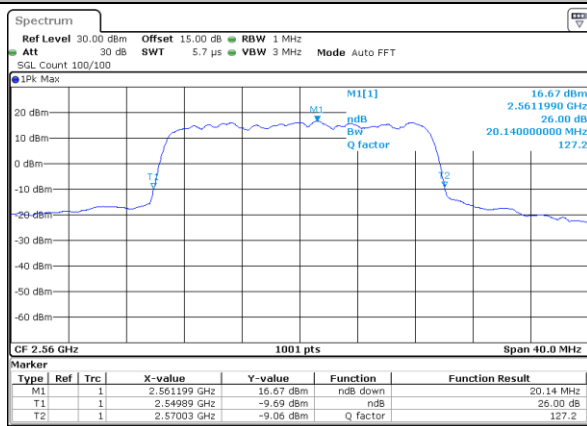
Middle Channel / 20MHz / QPSK



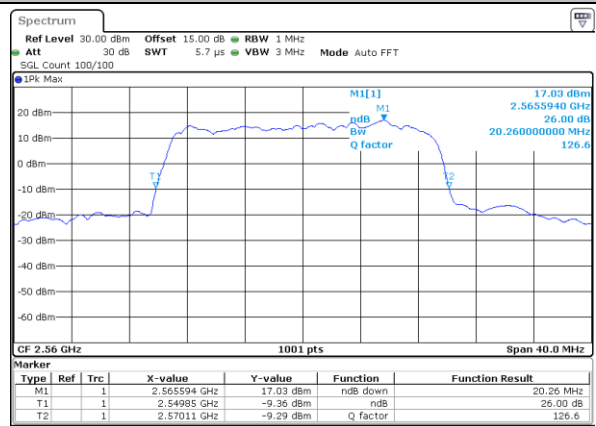
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



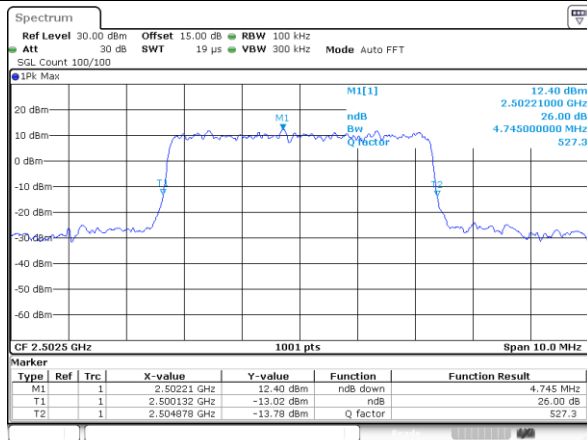
Highest Channel / 20MHz / 16QAM





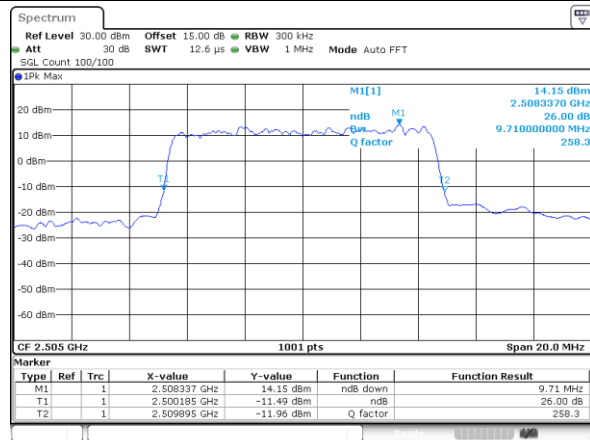
LTE Band 7

Lowest Channel / 5MHz / 64QAM



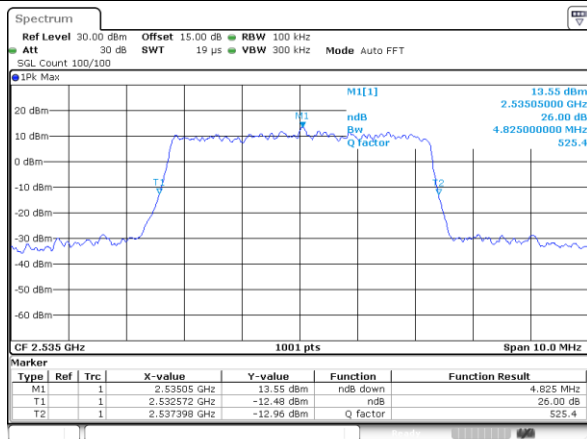
Date: 22.FEB.2019 22:39:34

Lowest Channel / 10MHz / 64QAM



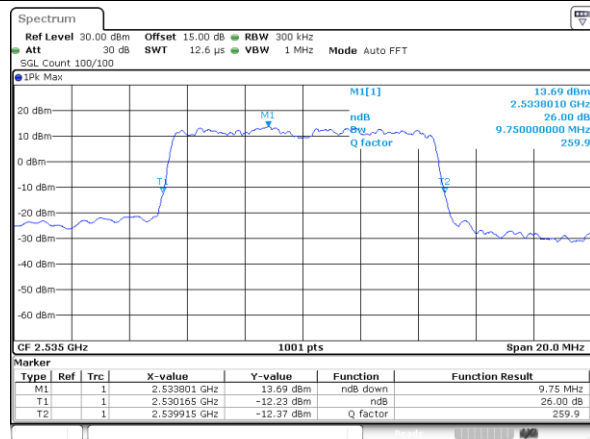
Date: 22.FEB.2019 22:40:04

Middle Channel / 5MHz / 64QAM



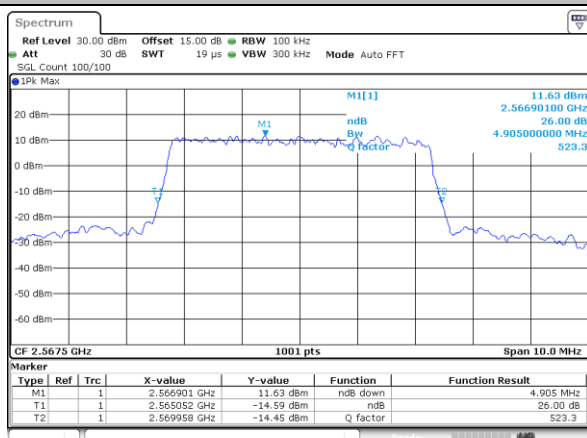
Date: 22.FEB.2019 22:39:44

Middle Channel / 10MHz / 64QAM



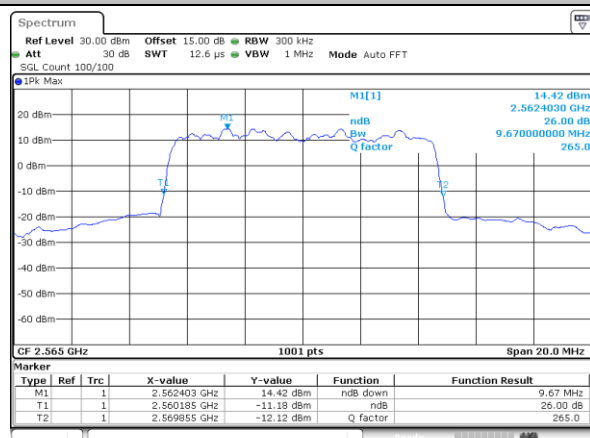
Date: 22.FEB.2019 22:40:14

Highest Channel / 5MHz / 64QAM



Date: 22.FEB.2019 22:39:54

Highest Channel / 10MHz / 64QAM

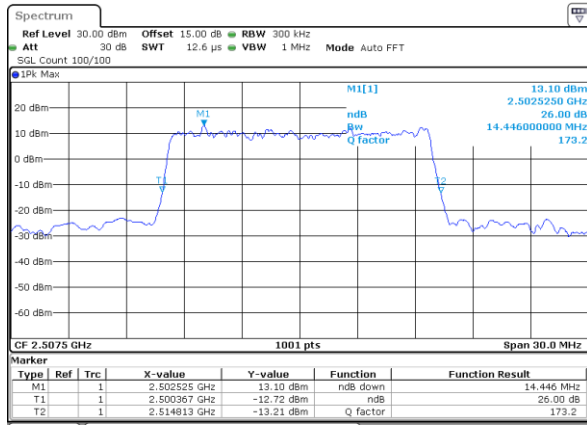


Date: 22.FEB.2019 22:40:24



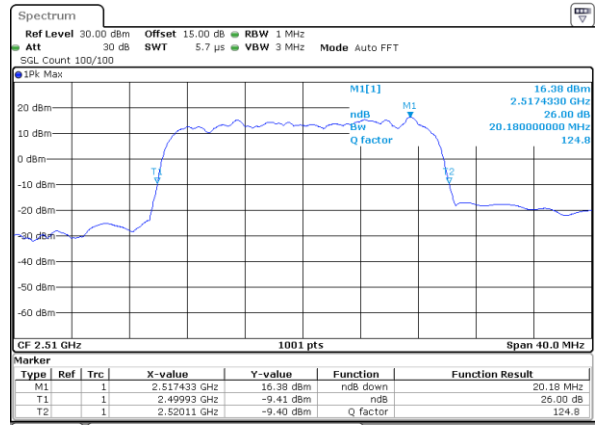
LTE Band 7

Lowest Channel / 15MHz / 64QAM



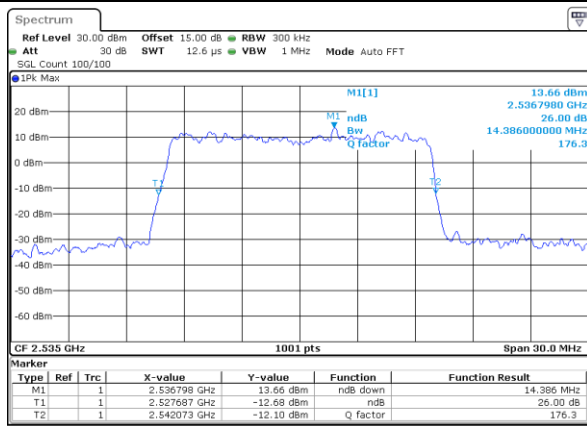
Date: 22.FEB.2019 22:40:34

Lowest Channel / 20MHz / 64QAM



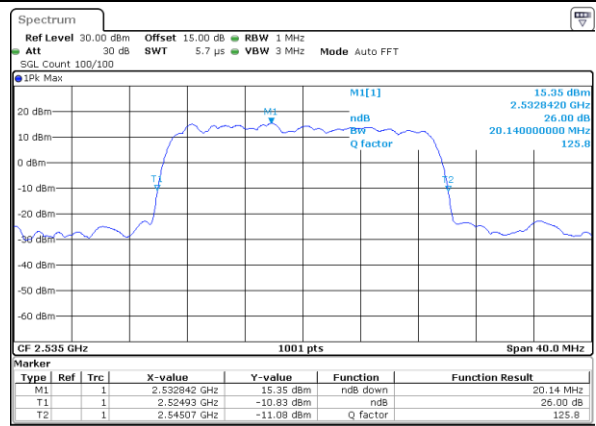
Date: 22.FEB.2019 22:41:04

Middle Channel / 15MHz / 64QAM



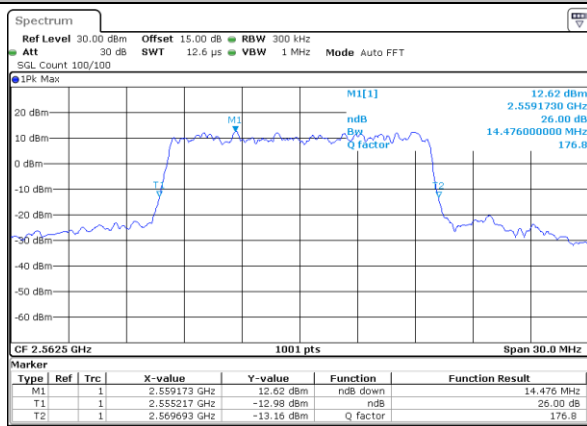
Date: 22.FEB.2019 22:40:44

Middle Channel / 20MHz / 64QAM



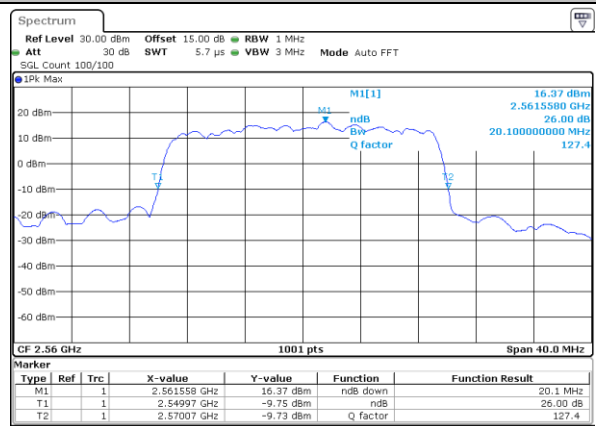
Date: 22.FEB.2019 22:41:14

Highest Channel / 15MHz / 64QAM



Date: 22.FEB.2019 22:40:54

Highest Channel / 20MHz / 64QAM

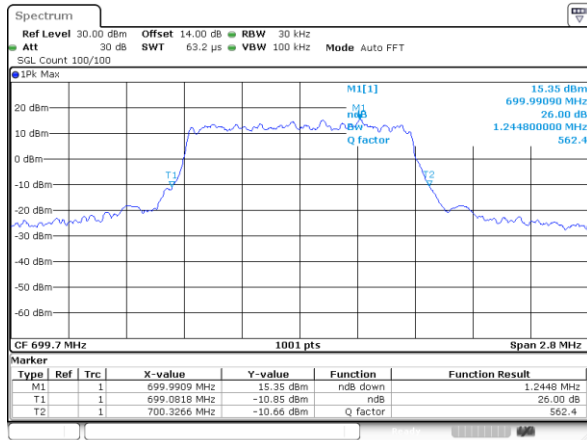


Date: 22.FEB.2019 22:41:24



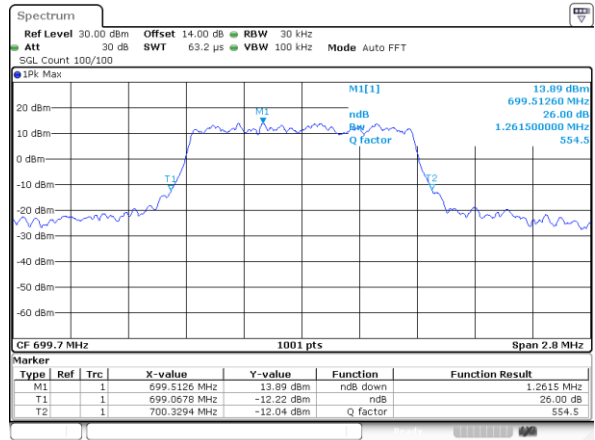
LTE Band 12

Lowest Channel / 1.4MHz / QPSK



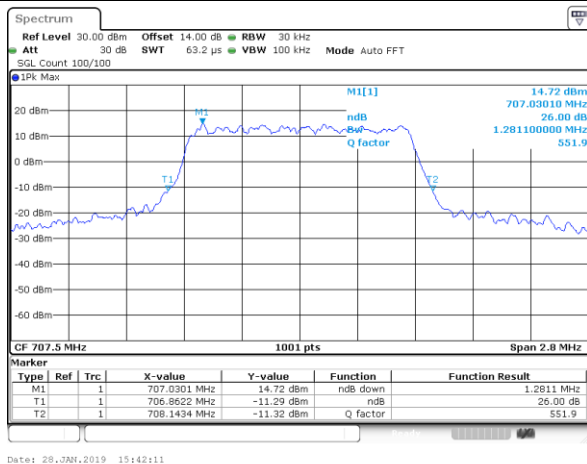
Date: 28_JAN,2019 15:35:11

Lowest Channel / 1.4MHz / 16QAM



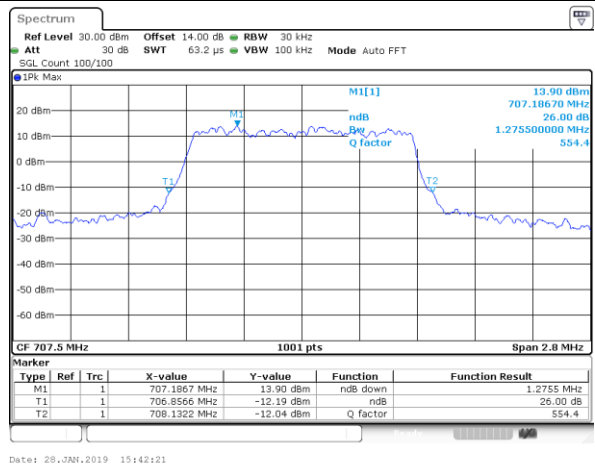
Date: 28_JAN,2019 15:35:01

Middle Channel / 1.4MHz / QPSK



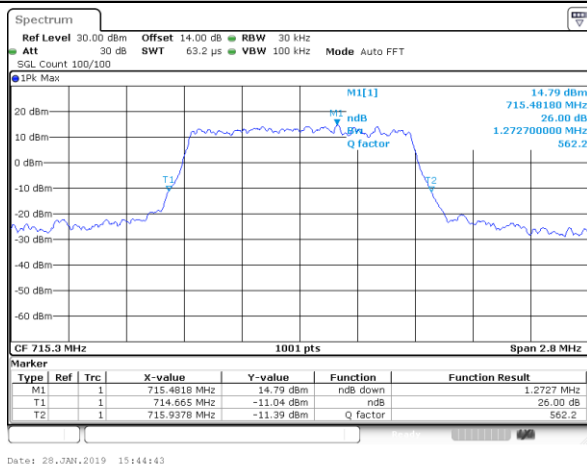
Date: 28_JAN,2019 15:42:11

Middle Channel / 1.4MHz / 16QAM



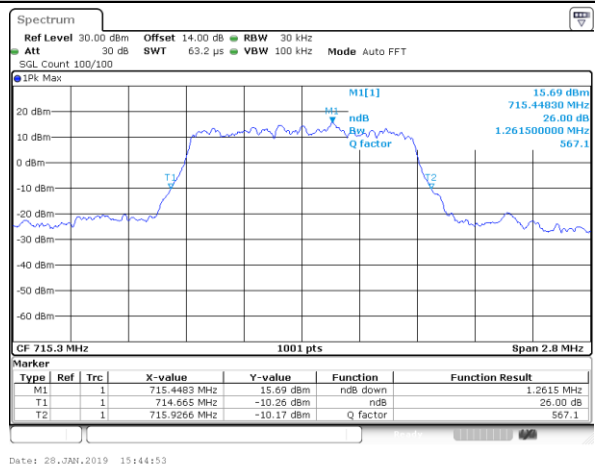
Date: 28_JAN,2019 15:42:01

Highest Channel / 1.4MHz / QPSK



Date: 28_JAN,2019 15:44:43

Highest Channel / 1.4MHz / 16QAM

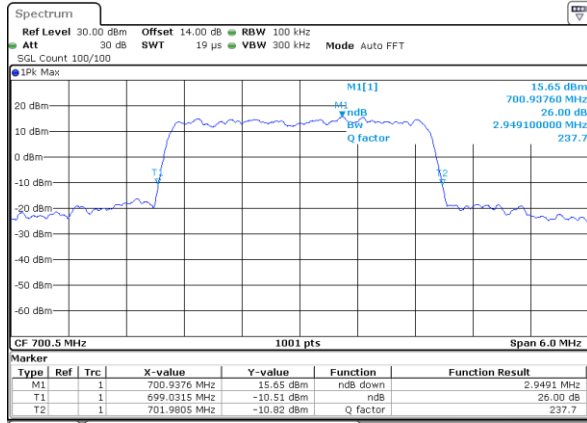


Date: 28_JAN,2019 15:44:53



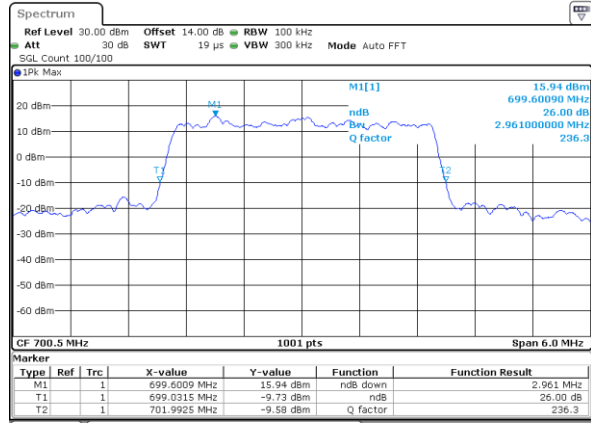
LTE Band 12

Lowest Channel / 3MHz / QPSK



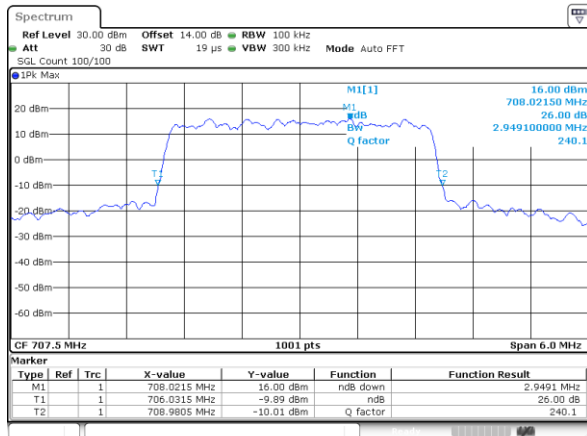
Date: 28.JAN.2019 15:55:13

Lowest Channel / 3MHz / 16QAM



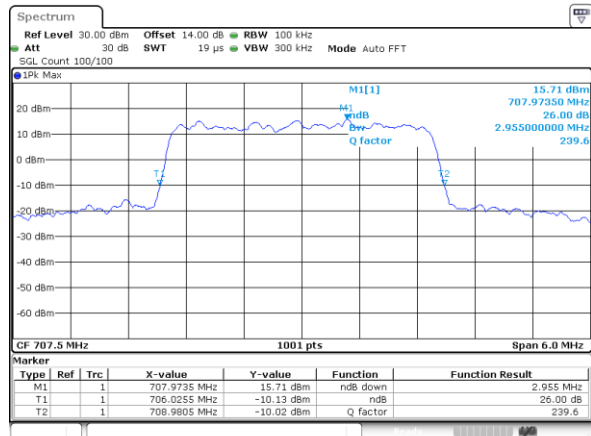
Date: 28.JAN.2019 15:55:23

Middle Channel / 3MHz / QPSK



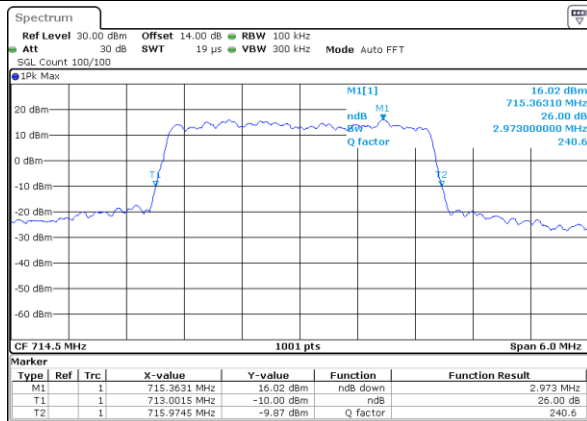
Date: 28.JAN.2019 16:02:22

Middle Channel / 3MHz / 16QAM



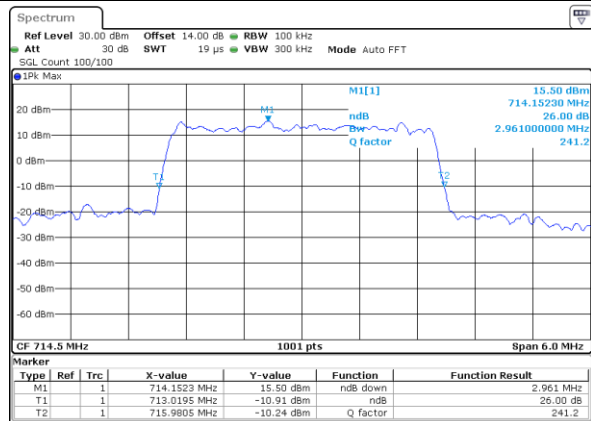
Date: 28.JAN.2019 16:02:32

Highest Channel / 3MHz / QPSK



Date: 28.JAN.2019 16:04:54

Highest Channel / 3MHz / 16QAM

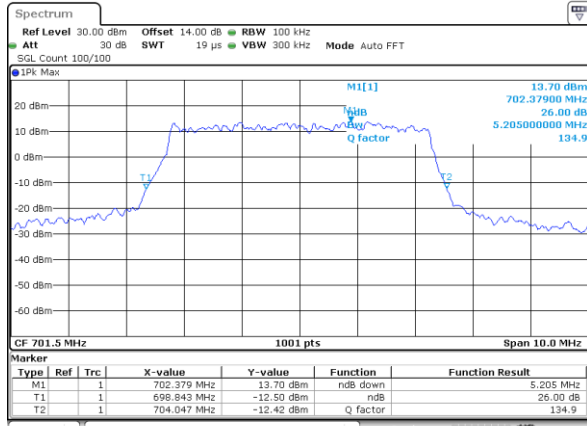


Date: 28.JAN.2019 16:05:04

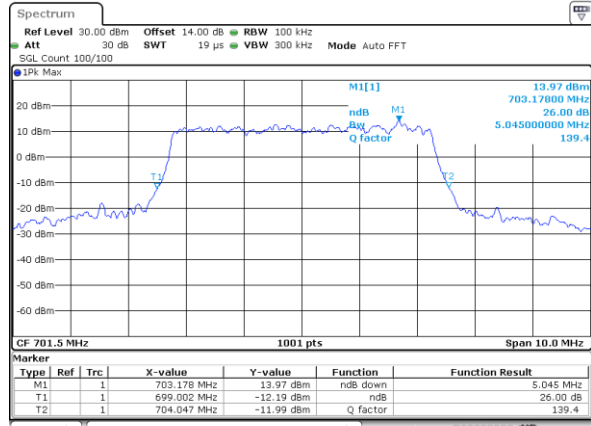


LTE Band 12

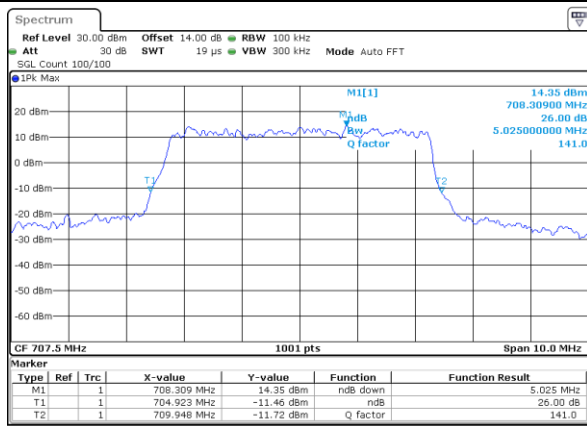
Lowest Channel / 5MHz / QPSK



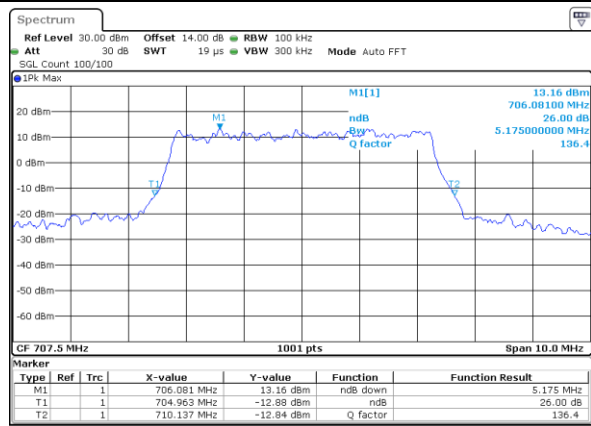
Lowest Channel / 5MHz / 16QAM



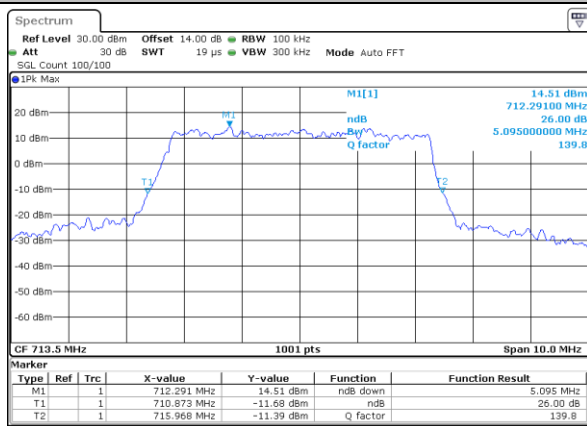
Middle Channel / 5MHz / QPSK



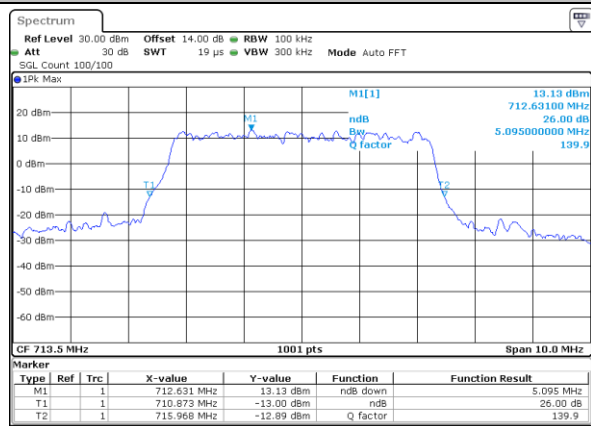
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



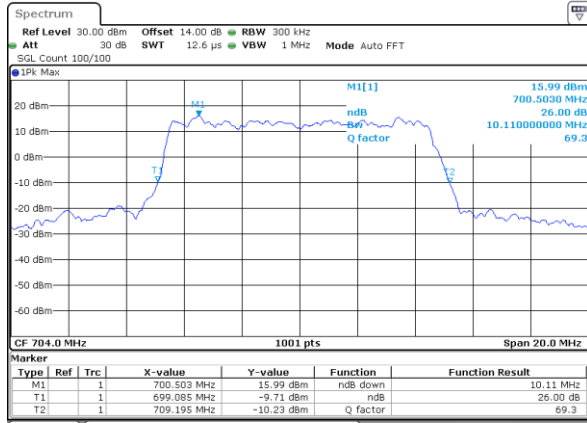
Highest Channel / 5MHz / 16QAM



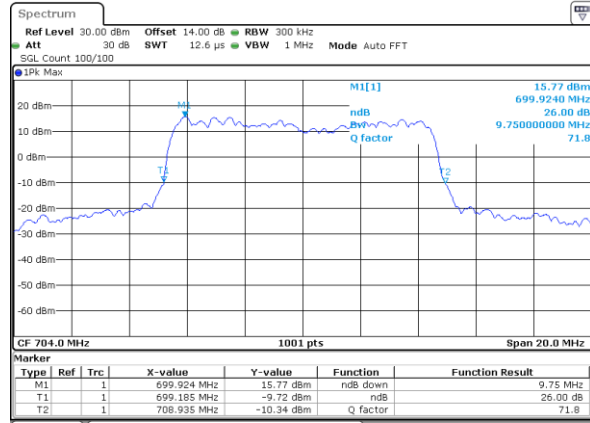


LTE Band 12

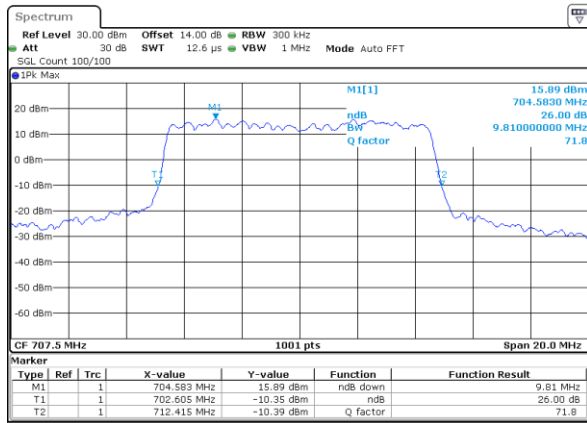
Lowest Channel / 10MHz / QPSK



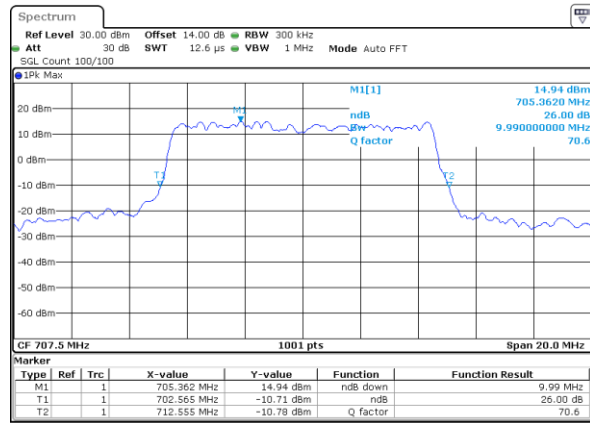
Lowest Channel / 10MHz / 16QAM



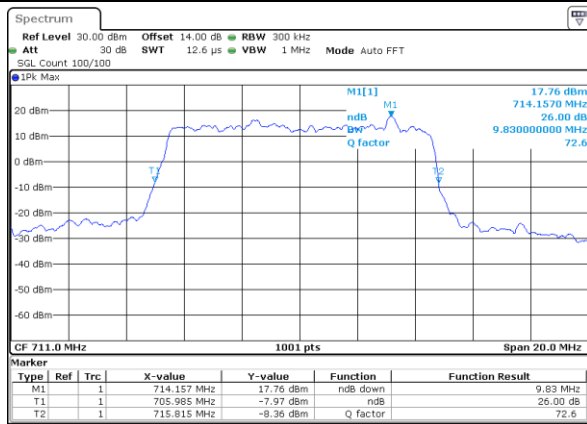
Middle Channel / 10MHz / QPSK



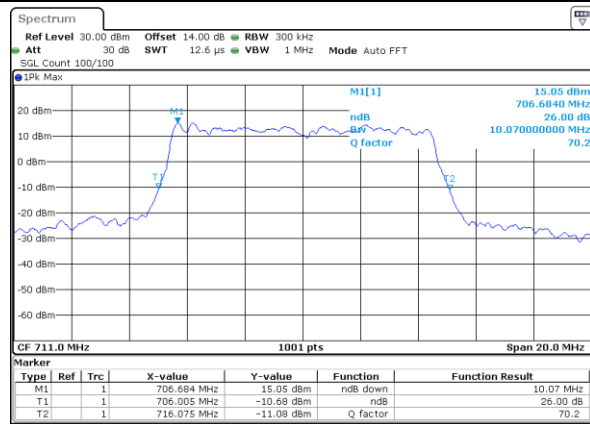
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



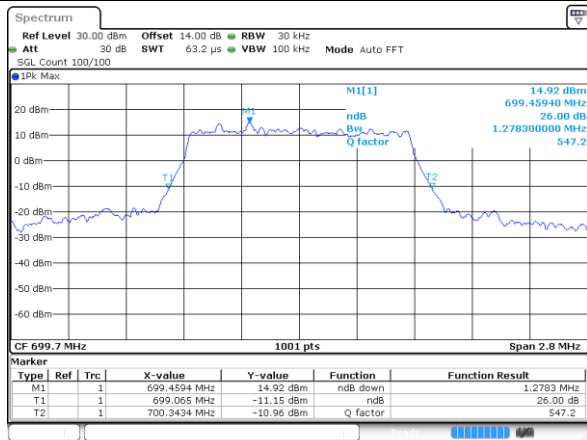
Highest Channel / 10MHz / 16QAM





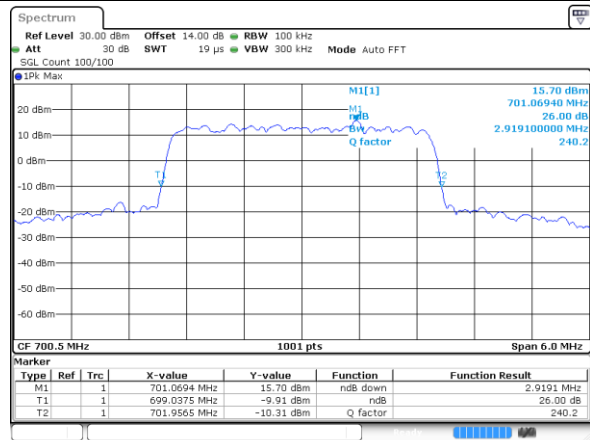
LTE Band 12

Lowest Channel / 1.4MHz / 64QAM



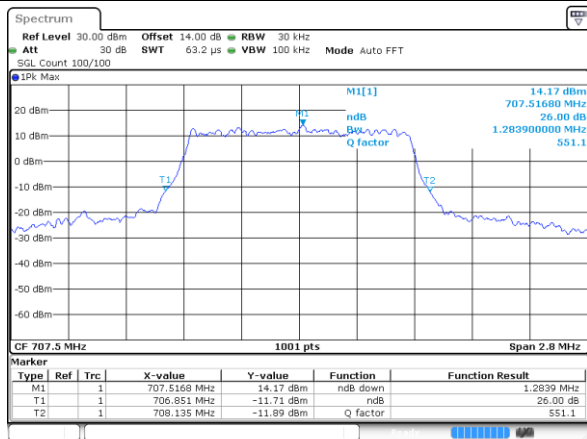
Date: 23 FEB 2019 11:46:16

Lowest Channel / 3MHz / 64QAM



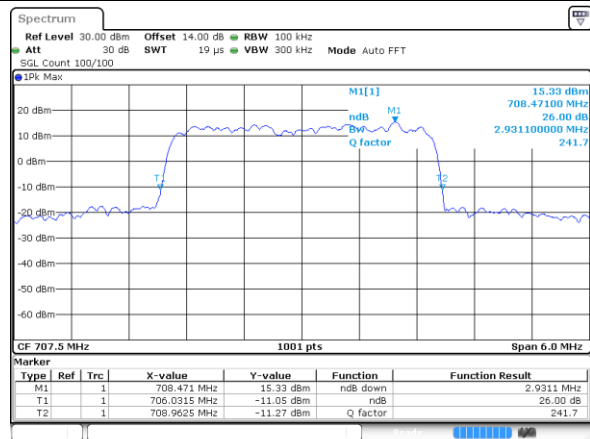
Date: 23 FEB 2019 11:54:34

Middle Channel / 1.4MHz / 64QAM



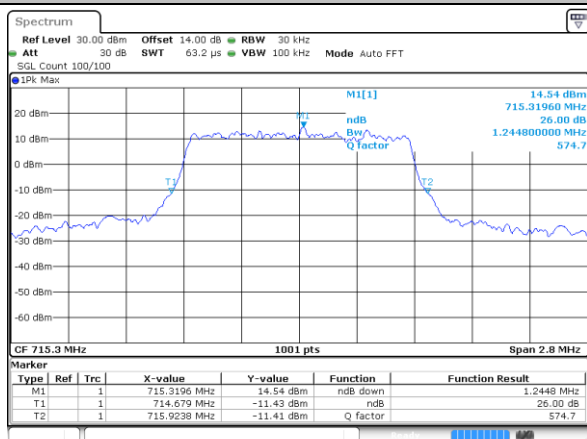
Date: 23 FEB 2019 11:49:49

Middle Channel / 3MHz / 64QAM



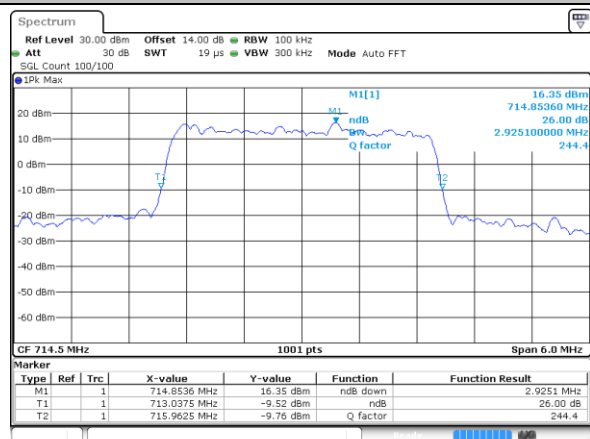
Date: 23 FEB 2019 11:58:06

Highest Channel / 1.4MHz / 64QAM



Date: 23 FEB 2019 11:51:02

Highest Channel / 3MHz / 64QAM

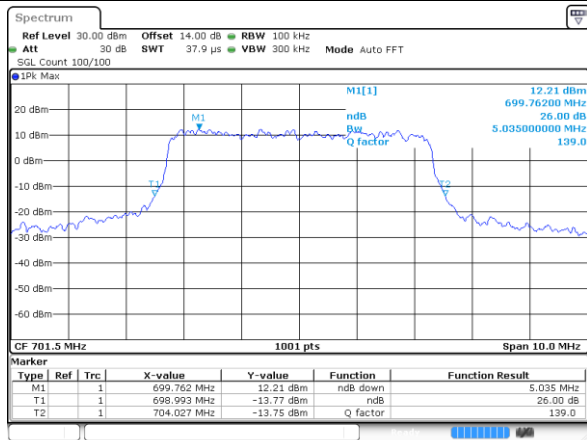


Date: 23 FEB 2019 11:59:20



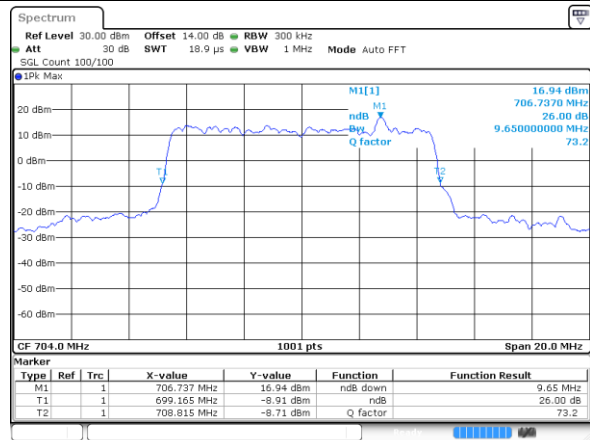
LTE Band 12

Lowest Channel / 5MHz / 64QAM



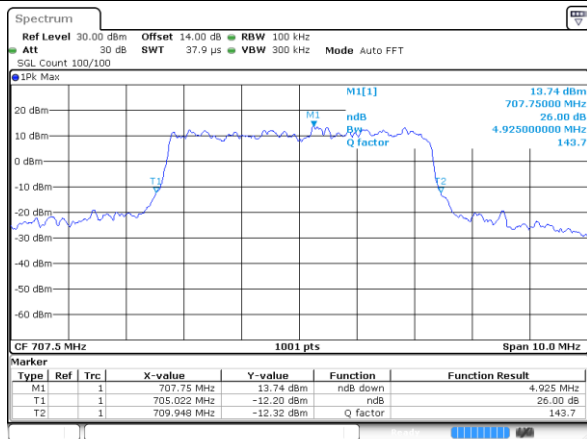
Date: 23 FEB 2019 12:02:51

Lowest Channel / 10MHz / 64QAM



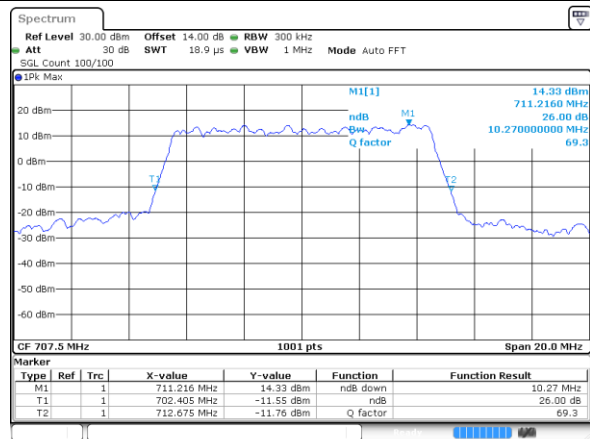
Date: 23 FEB 2019 12:11:08

Middle Channel / 5MHz / 64QAM



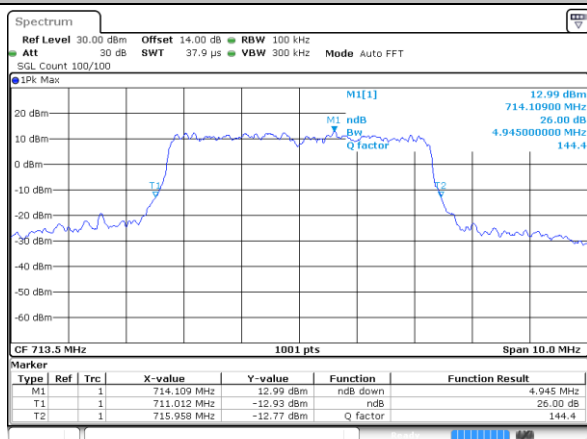
Date: 23 FEB 2019 12:08:22

Middle Channel / 10MHz / 64QAM



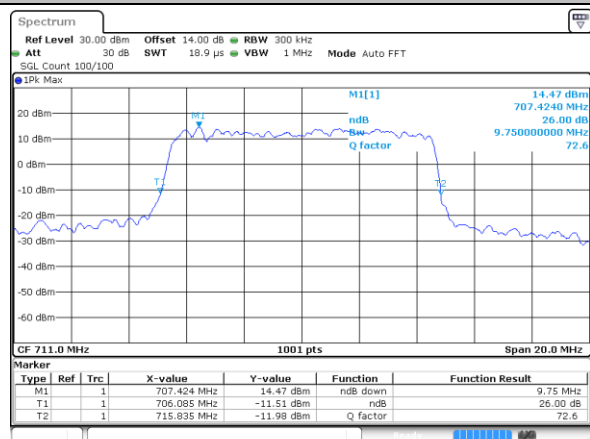
Date: 23 FEB 2019 12:14:39

Highest Channel / 5MHz / 64QAM



Date: 23 FEB 2019 12:07:36

Highest Channel / 10MHz / 64QAM

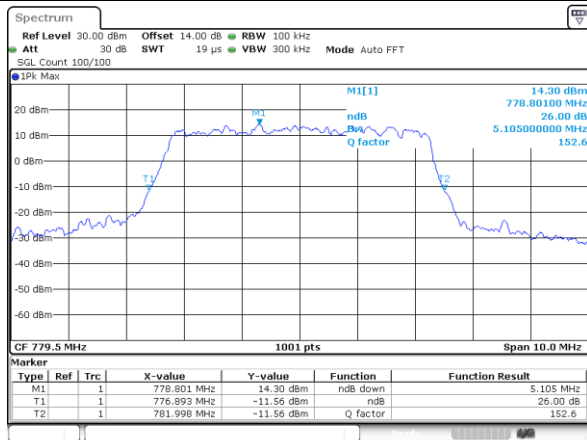


Date: 23 FEB 2019 12:15:53

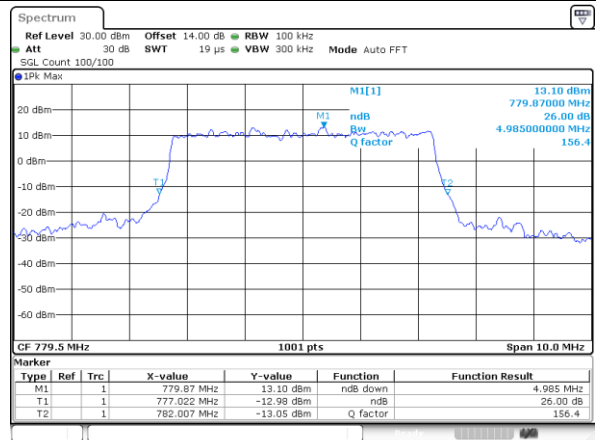


LTE Band 13

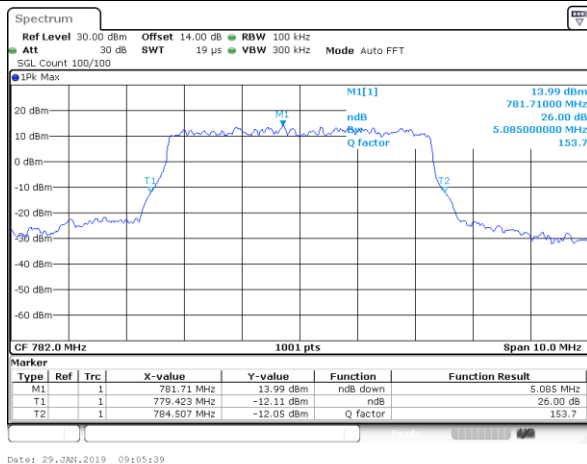
Lowest Channel / 5MHz / QPSK



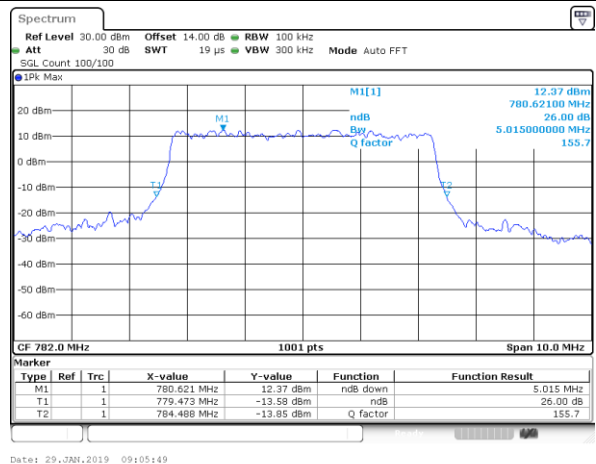
Lowest Channel / 5MHz / 16QAM



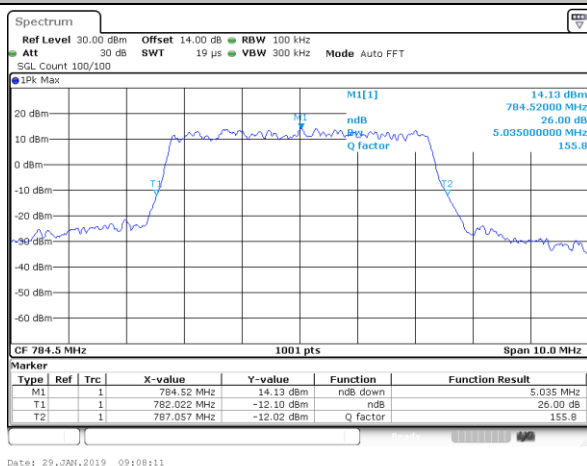
Middle Channel / 5MHz / QPSK



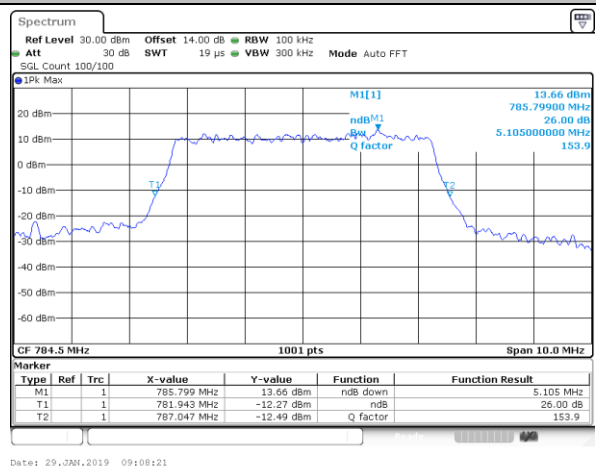
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



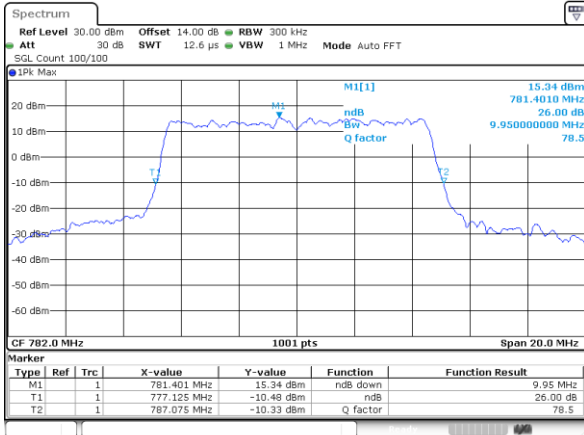
Highest Channel / 5MHz / 16QAM





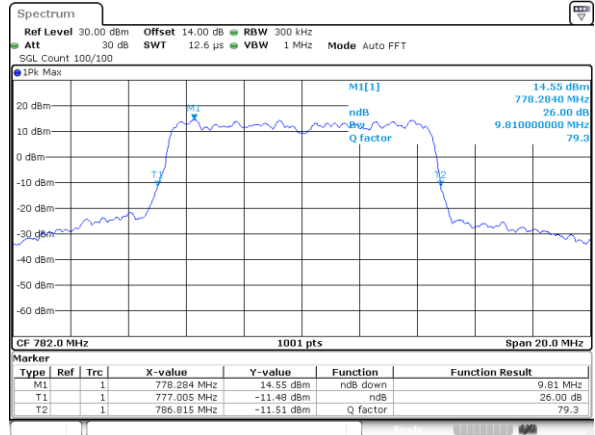
LTE Band 13

Middle Channel / 10MHz / QPSK



Date: 29.JAN.2019 09:20:08

Middle Channel / 10MHz / 16QAM

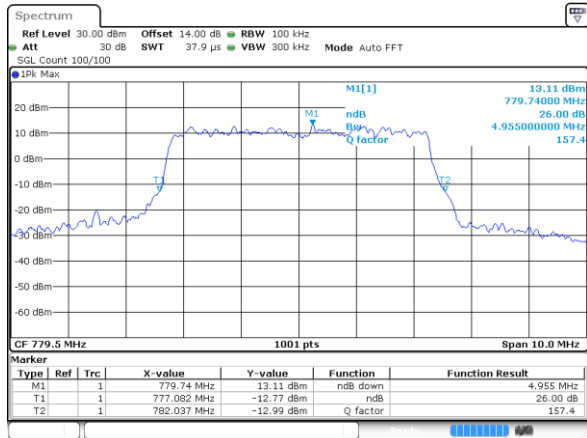


Date: 29.JAN.2019 09:20:18



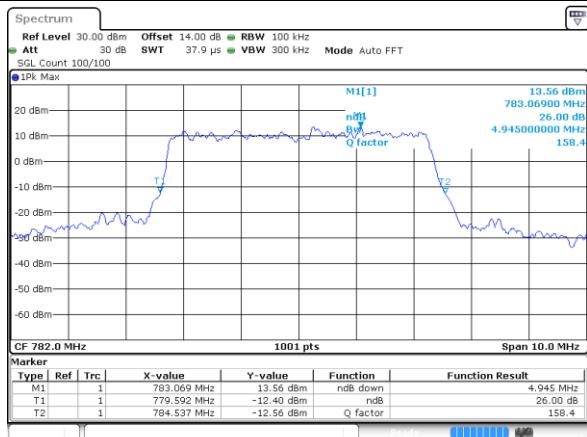
LTE Band 13

Lowest Channel / 5MHz / 64QAM



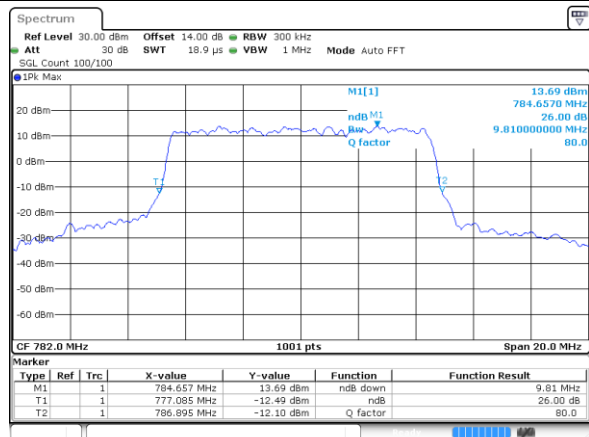
Date: 23 FEB 2019 12:54:47

Middle Channel / 5MHz / 64QAM



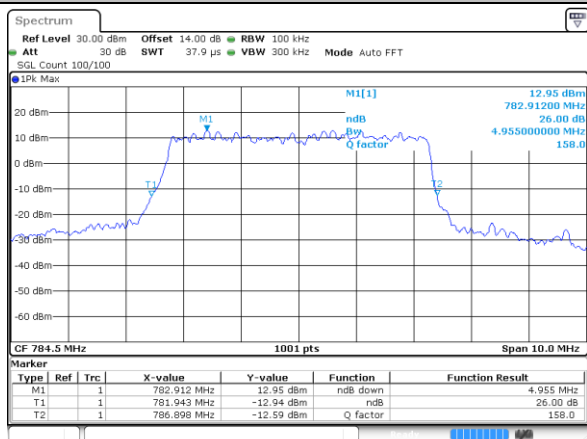
Date: 23 FEB 2019 12:54:57

Middle Channel / 10MHz / 64QAM



Date: 23 FEB 2019 13:03:25

Highest Channel / 5MHz / 64QAM

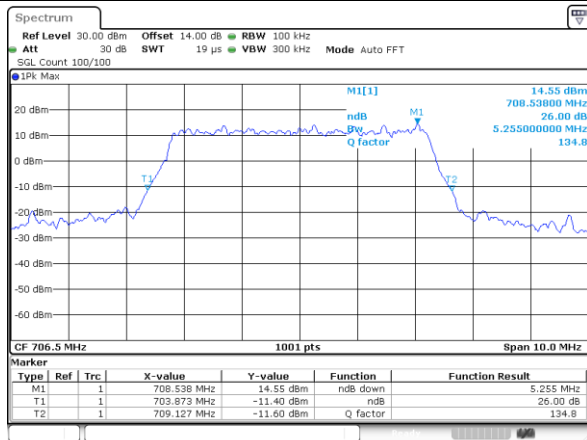


Date: 23 FEB 2019 12:55:07



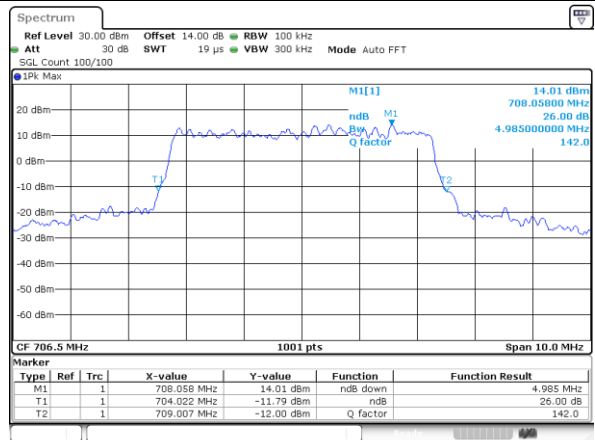
LTE Band 17

Lowest Channel / 5MHz / QPSK



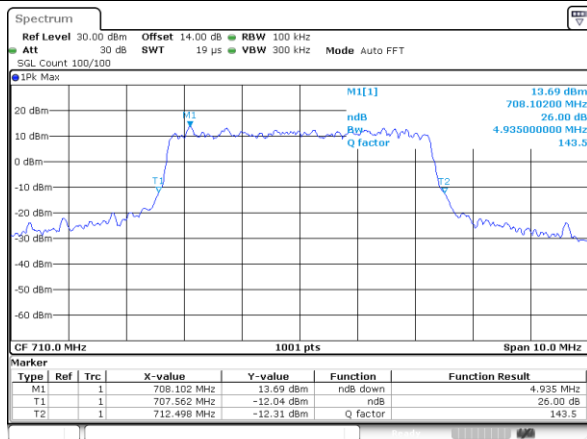
Date: 23.JAN.2019 15:53:34

Lowest Channel / 5MHz / 16QAM



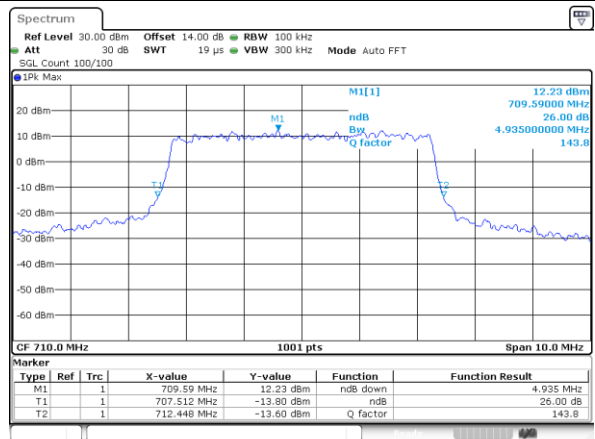
Date: 23.JAN.2019 15:53:44

Middle Channel / 5MHz / QPSK



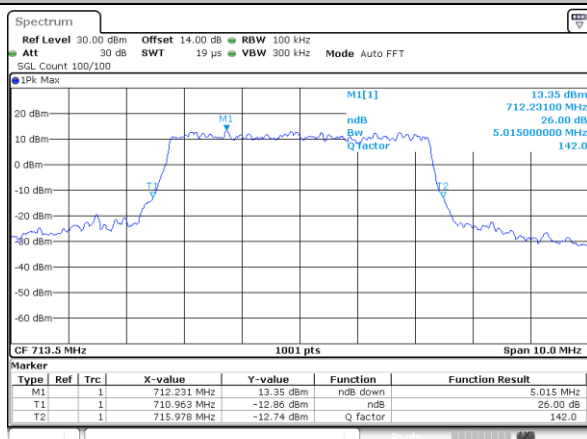
Date: 23.JAN.2019 16:00:43

Middle Channel / 5MHz / 16QAM



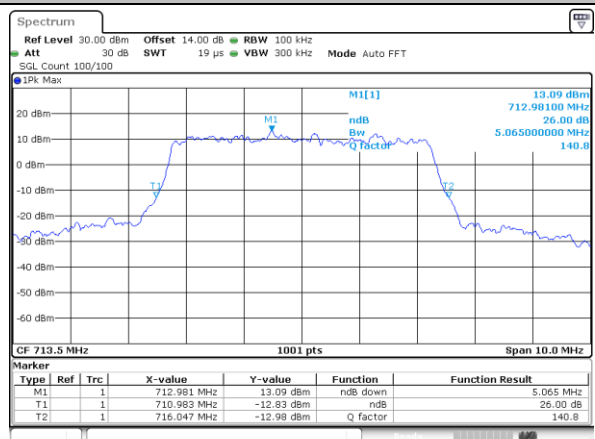
Date: 23.JAN.2019 16:00:53

Highest Channel / 5MHz / QPSK



Date: 23.JAN.2019 16:03:15

Highest Channel / 5MHz / 16QAM

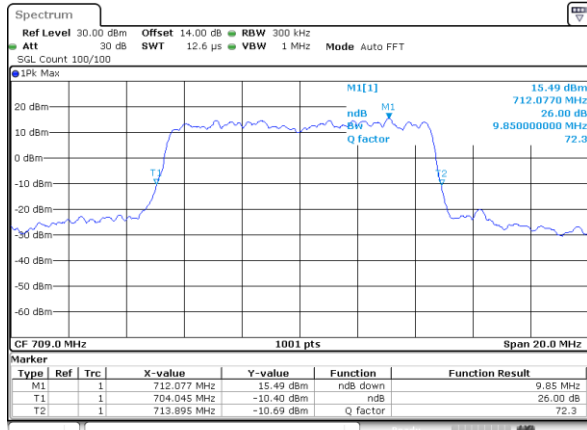


Date: 23.JAN.2019 16:03:25

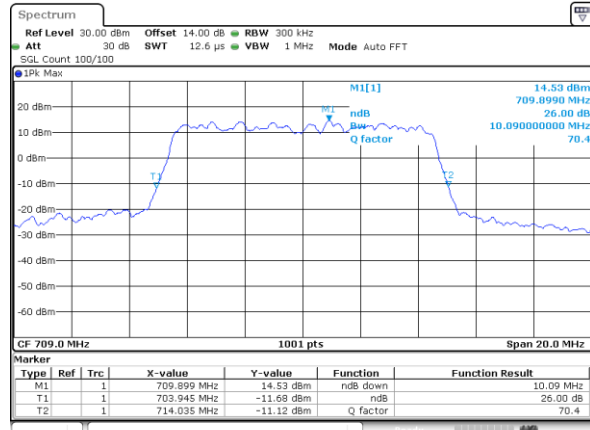


LTE Band 17

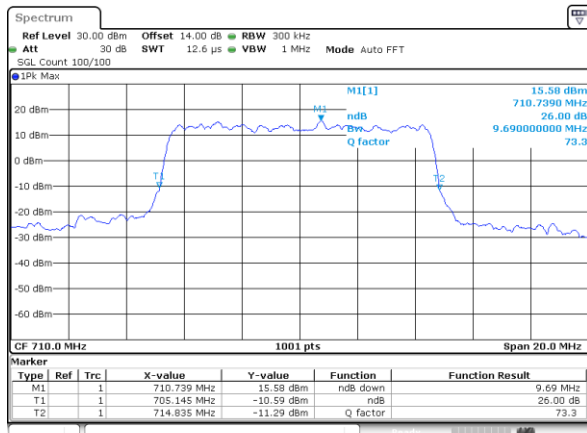
Lowest Channel / 10MHz / QPSK



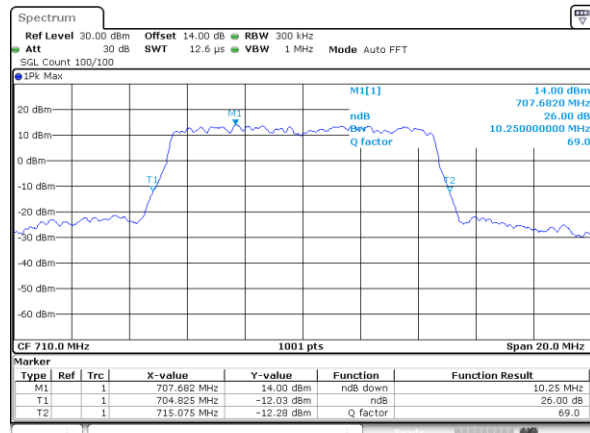
Lowest Channel / 10MHz / 16QAM



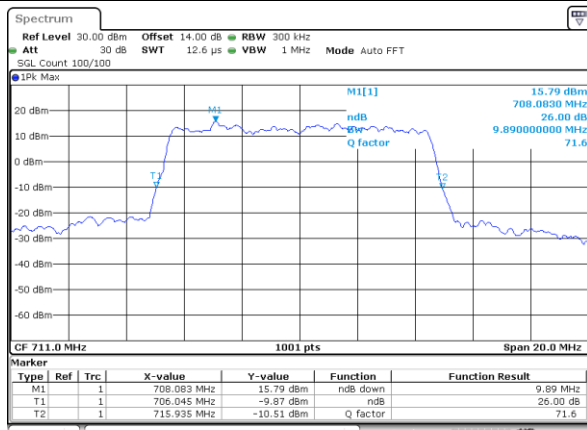
Middle Channel / 10MHz / QPSK



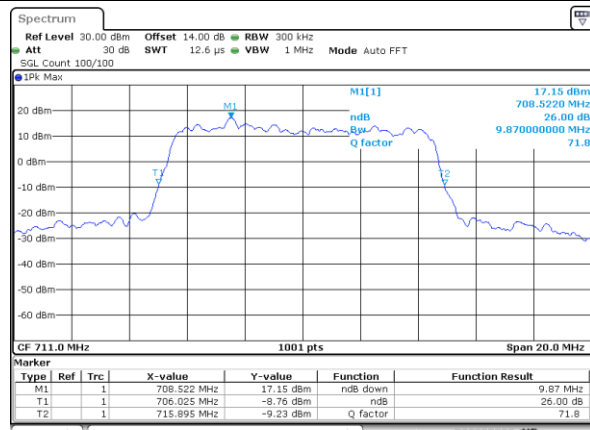
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



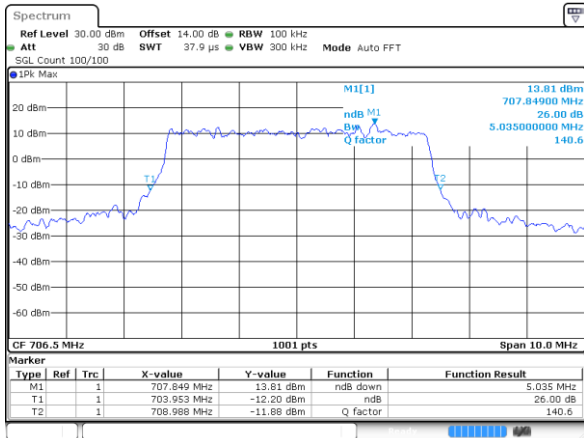
Highest Channel / 10MHz / 16QAM





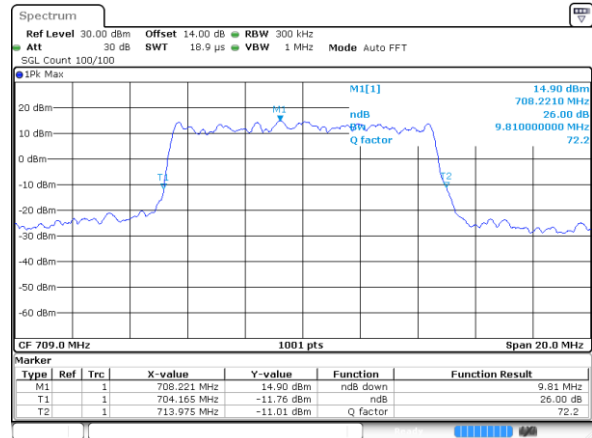
LTE Band 17

Lowest Channel / 5MHz / 64QAM



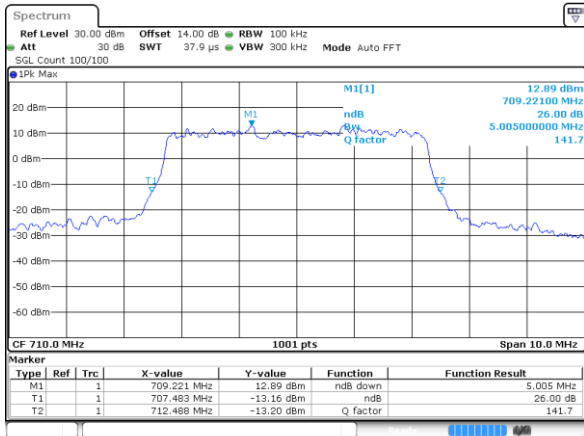
Date: 23 FEB 2019 13:19:19

Lowest Channel / 10MHz / 64QAM



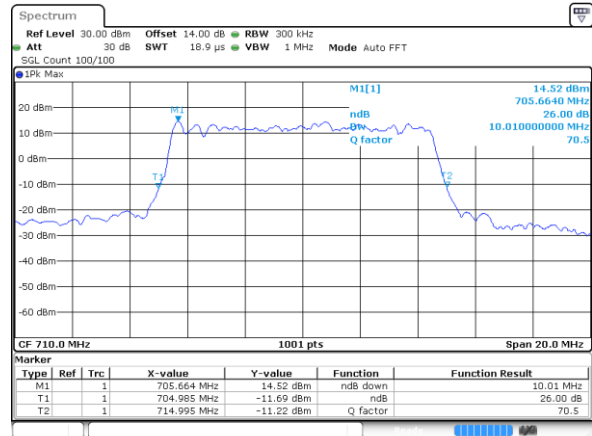
Date: 23 FEB 2019 13:27:35

Middle Channel / 5MHz / 64QAM



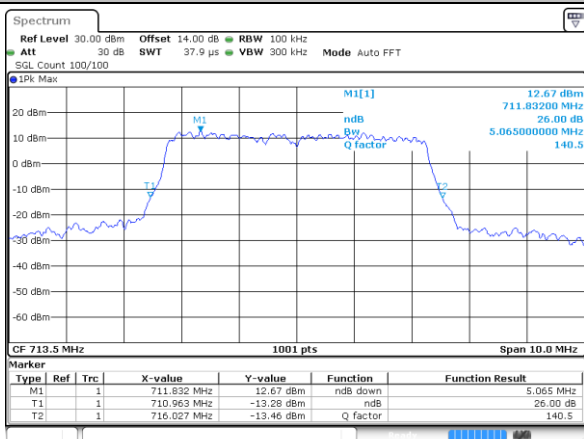
Date: 23 FEB 2019 13:19:29

Middle Channel / 10MHz / 64QAM



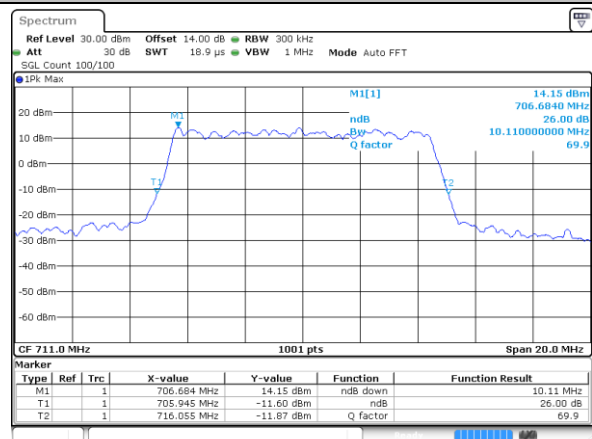
Date: 23 FEB 2019 13:27:46

Highest Channel / 5MHz / 64QAM



Date: 23 FEB 2019 13:19:39

Highest Channel / 10MHz / 64QAM



Date: 23 FEB 2019 13:27:56

**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	2.7	2.72	4.5	4.47	8.93	9.05	13.49	13.49	18.42	18.42
Middle CH	1.09	1.09	2.7	2.72	4.48	4.48	9.01	9.03	13.46	13.4	18.38	18.3
Highest CH	1.09	1.09	2.72	2.7	4.49	4.47	9.05	9.01	13.46	13.43	18.14	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	1.08		2.71		4.49		9.05		13.49		18.42	
Middle CH	1.09		2.73		4.5		9.07		13.46		18.46	
Highest CH	1.09		2.71		4.48		9.03		13.43		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	4.49	4.5	9.03	9.01	13.4	13.46	18.42	18.46
Middle CH	1.09	1.09	2.7	2.7	4.49	4.48	9.03	8.97	13.43	13.43	18.34	18.46
Highest CH	1.09	1.09	2.7	2.7	4.49	4.49	9.05	8.99	13.43	13.46	18.42	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	1.1		2.72		4.49		9.05		13.43		18.38	
Middle CH	1.09		2.72		4.49		8.97		13.4		18.34	
Highest CH	1.1		2.72		4.49		9.03		13.43		18.38	

Mode	LTE Band 5 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		1.4M	3M	5M	10M
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM	64QAM	64QAM
Lowest CH	1.09	1.09	2.7	2.72	4.49	4.49	9.01	8.99	1.08	2.72	4.49	9.05
Middle CH	1.09	1.1	2.69	2.7	4.5	4.48	9.03	9.05	1.09	2.73	4.5	9.03
Highest CH	1.09	1.09	2.72	2.69	4.5	4.48	9.03	9.03	1.10	2.71	4.48	9.03



Mode	LTE Band 7 : 99%OBW(MHz)											
BW	5MHz		10MHz		15MHz		20MHz					
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM				
Lowest CH	4.5	4.5	9.03	8.99	13.58	13.46	18.46	18.54				
Middle CH	4.51	4.5	9.05	8.99	13.46	13.46	18.3	18.38				
Highest CH	4.5	4.49	9.03	9.01	13.46	13.49	18.22	18.26				
Mode	LTE Band 7 : 99%OBW(MHz)											
BW	5MHz		10MHz		15MHz		20MHz					
Mod.	64QAM		64QAM		64QAM		64QAM					
Lowest CH	4.49		9.05		13.4		18.42					
Middle CH	4.47		9.05		13.46		18.14					
Highest CH	4.46		9.03		13.46		18.34					

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	1.1	1.1	2.69	2.71	4.51	4.51	9.03	9.07	1.08	2.72	4.51	9.03
Middle CH	1.09	1.1	2.7	2.74	4.5	4.5	9.05	9.01	1.09	2.7	4.5	9.05
Highest CH	1.09	1.1	2.72	2.72	4.51	4.5	8.99	9.01	1.1	2.7	4.49	8.97

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	4.49	-	-	-	-	-	-
Middle CH	-	-	-	-	4.53	4.5	9.07	9.01	-	-	-	-
Highest CH	-	-	-	-	4.54	4.49	-	-	-	-	-	-
Mode	LTE Band 13 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH					4.49							
Middle CH					4.49		9.01					
Highest CH					4.47							



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	-	-	-	-	4.5	4.5	9.01	9.05	-	-	-	-
Middle CH	-	-	-	-	4.49	4.5	9.11	8.99	-	-	-	-
Highest CH	-	-	-	-	4.5	4.52	9.01	8.97	-	-	-	-
Mode	LTE Band 17 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-		-		4.49		9.09		-		-	
Middle CH	-		-		4.48		8.95		-		-	
Highest CH	-		-		4.5		8.99		-		-	