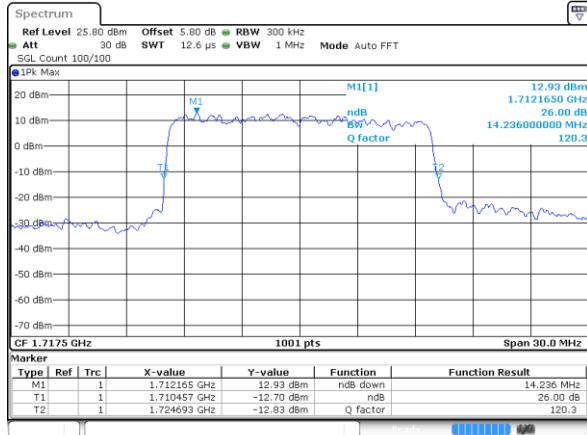




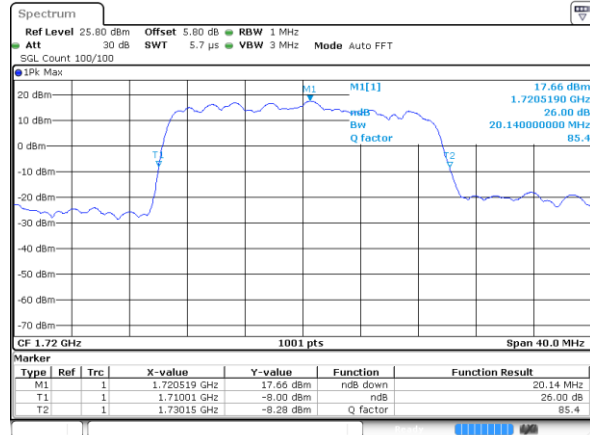
LTE Band 4

Lowest Channel / 15MHz / 64QAM



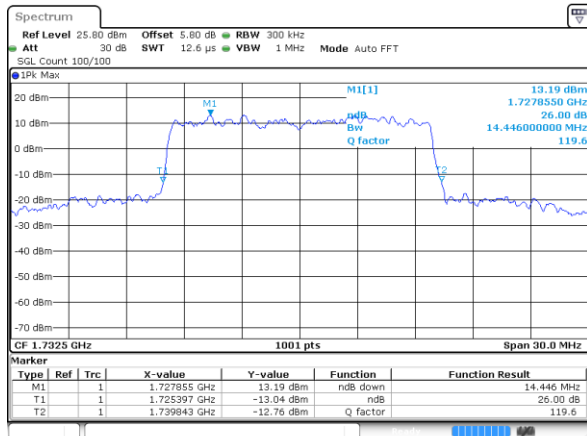
Date: 3 DEC 2019 07:10:53

Lowest Channel / 20MHz / 64QAM



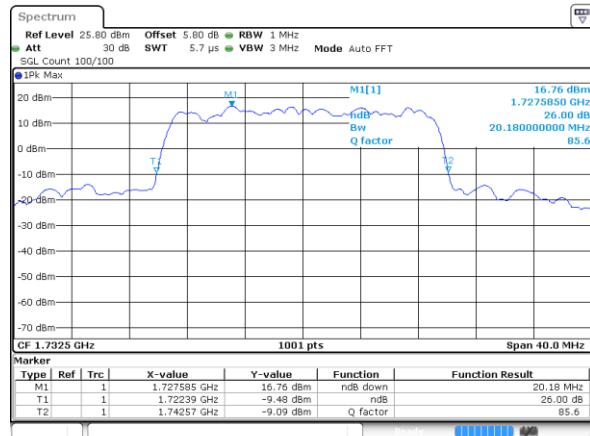
Date: 3 DEC 2019 07:33:58

Middle Channel / 15MHz / 64QAM



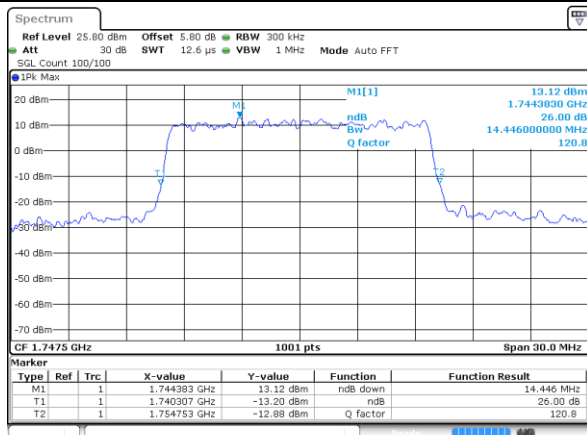
Date: 3 DEC 2019 07:17:48

Middle Channel / 20MHz / 64QAM



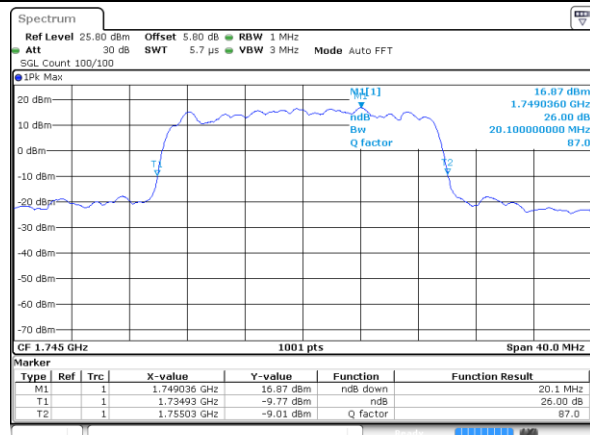
Date: 3 DEC 2019 07:44:08

Highest Channel / 15MHz / 64QAM



Date: 3 DEC 2019 07:22:23

Highest Channel / 20MHz / 64QAM

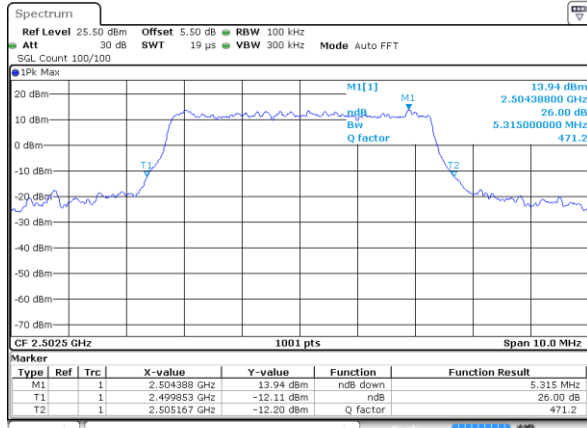


Date: 3 DEC 2019 07:52:13



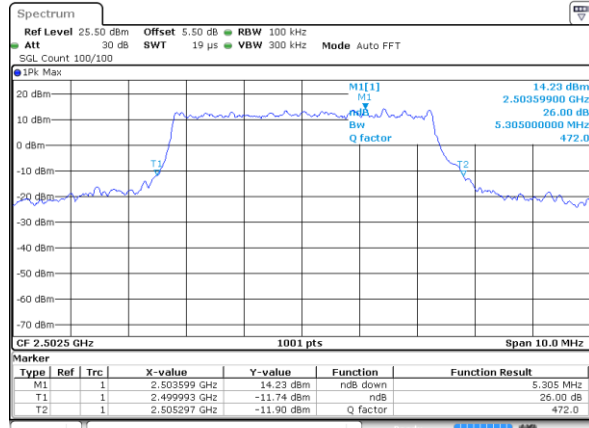
LTE Band 7

Lowest Channel / 5MHz / QPSK



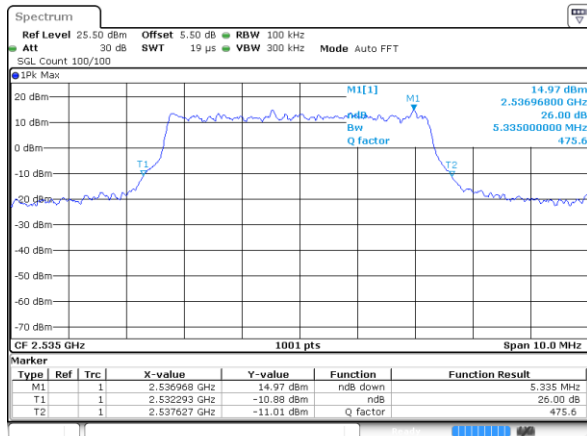
Date: 16 DEC 2019 12:40:20

Lowest Channel / 5MHz / 16QAM



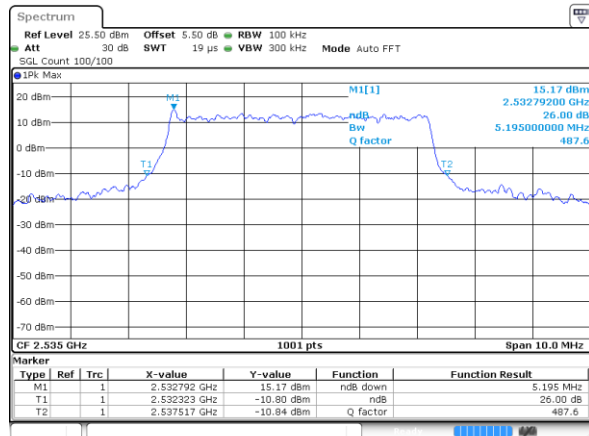
Date: 16 DEC 2019 12:41:08

Middle Channel / 5MHz / QPSK



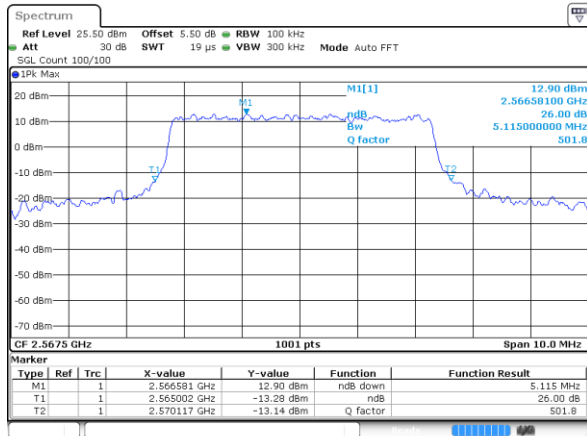
Date: 16 DEC 2019 12:54:03

Middle Channel / 5MHz / 16QAM



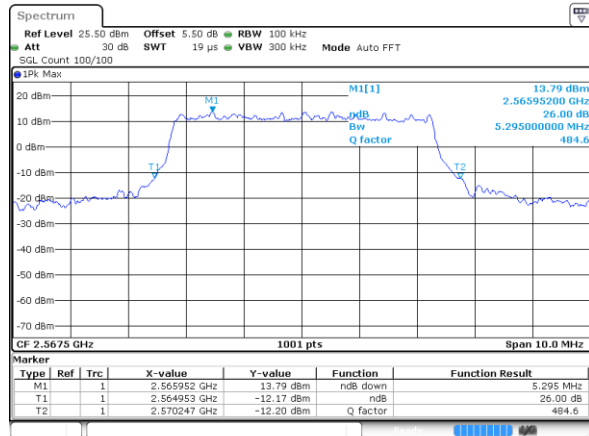
Date: 16 DEC 2019 12:54:33

Highest Channel / 5MHz / QPSK



Date: 16 DEC 2019 13:00:32

Highest Channel / 5MHz / 16QAM

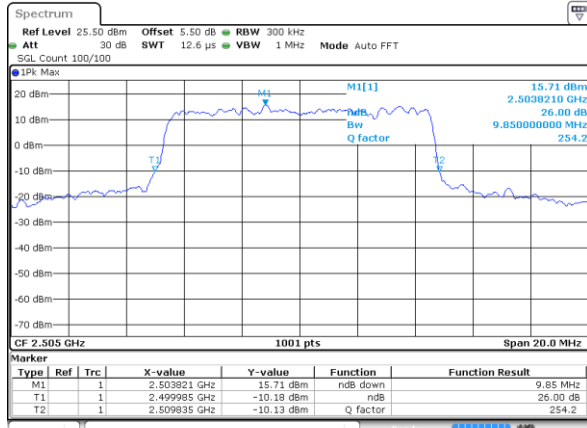


Date: 16 DEC 2019 13:01:19



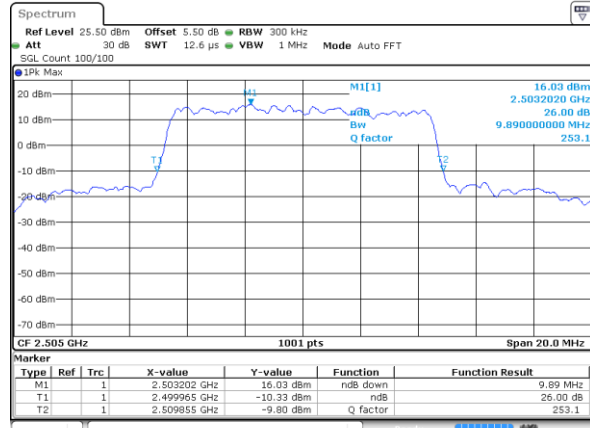
LTE Band 7

Lowest Channel / 10MHz / QPSK



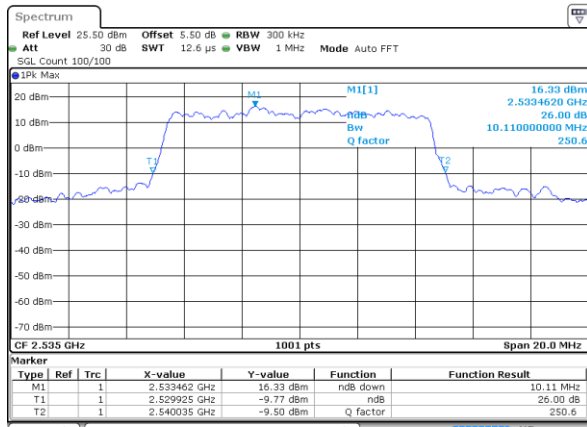
Date: 16 DEC 2019 13:24:20

Lowest Channel / 10MHz / 16QAM



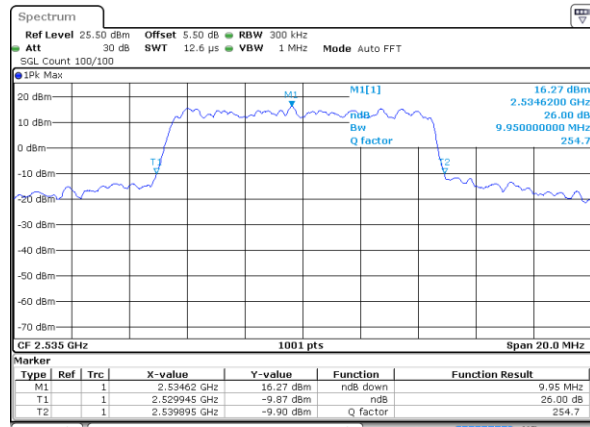
Date: 16 DEC 2019 13:24:59

Middle Channel / 10MHz / QPSK



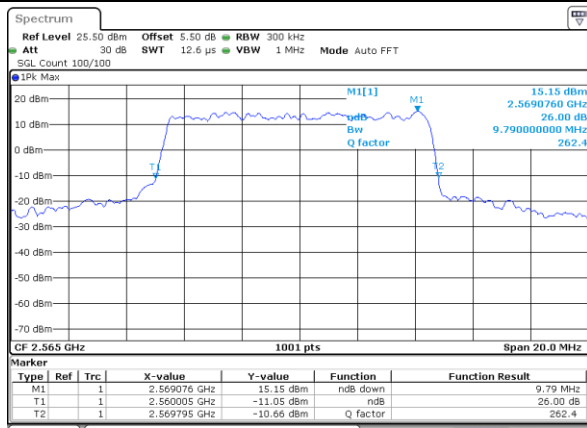
Date: 16 DEC 2019 13:36:01

Middle Channel / 10MHz / 16QAM



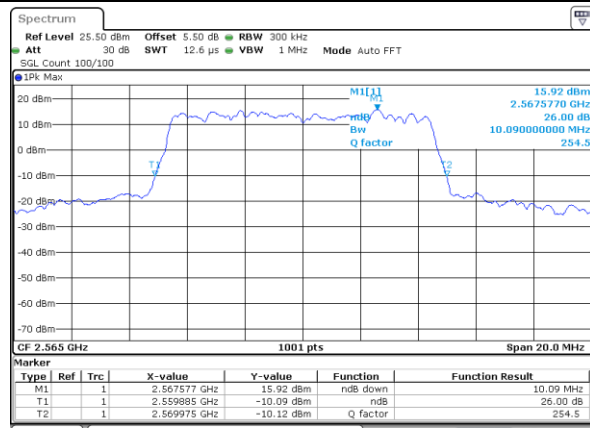
Date: 16 DEC 2019 13:36:31

Highest Channel / 10MHz / QPSK



Date: 16 DEC 2019 13:42:24

Highest Channel / 10MHz / 16QAM

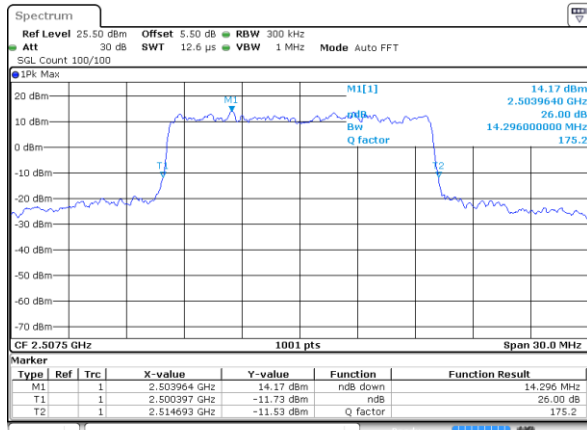


Date: 16 DEC 2019 13:43:03



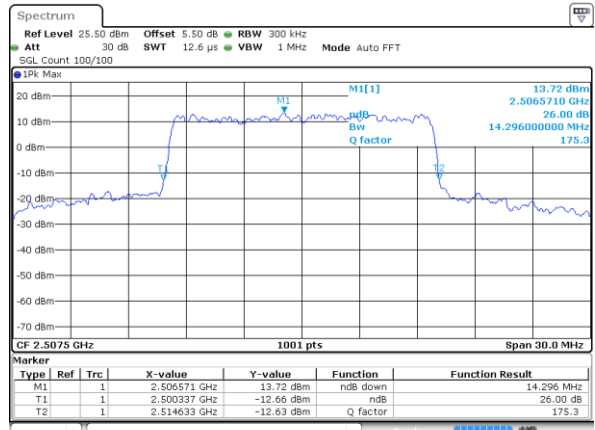
LTE Band 7

Lowest Channel / 15MHz / QPSK



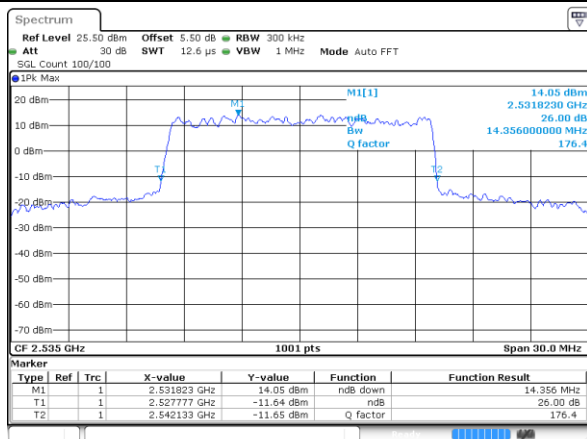
Date: 16 DEC 2019 13:46:49

Lowest Channel / 15MHz / 16QAM



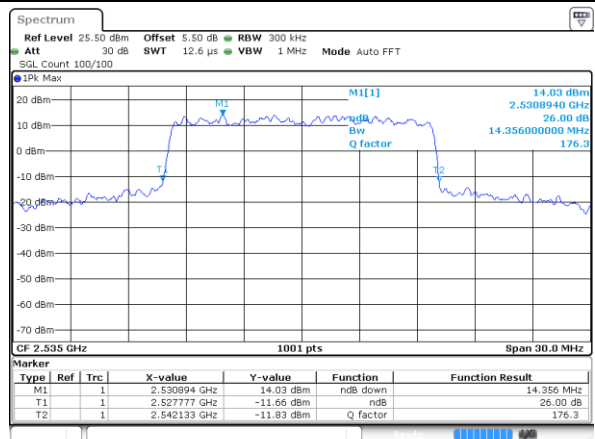
Date: 16 DEC 2019 13:47:34

Middle Channel / 15MHz / QPSK



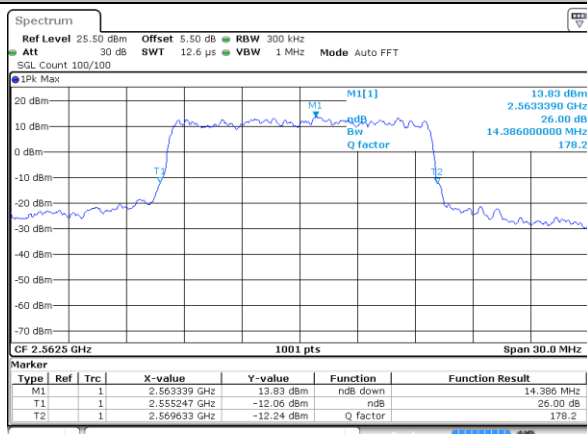
Date: 16 DEC 2019 13:56:15

Middle Channel / 15MHz / 16QAM



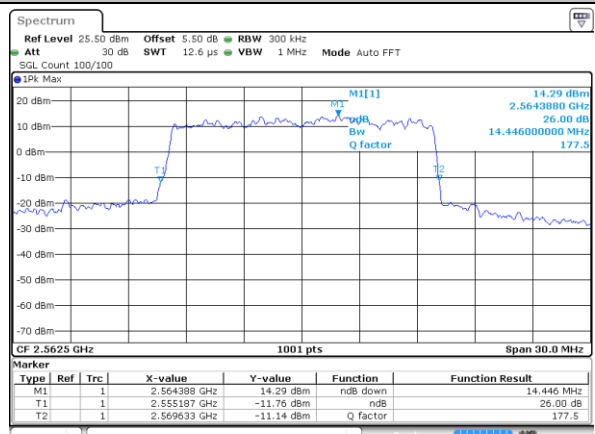
Date: 16 DEC 2019 13:56:46

Highest Channel / 15MHz / QPSK



Date: 16 DEC 2019 14:01:15

Highest Channel / 15MHz / 16QAM

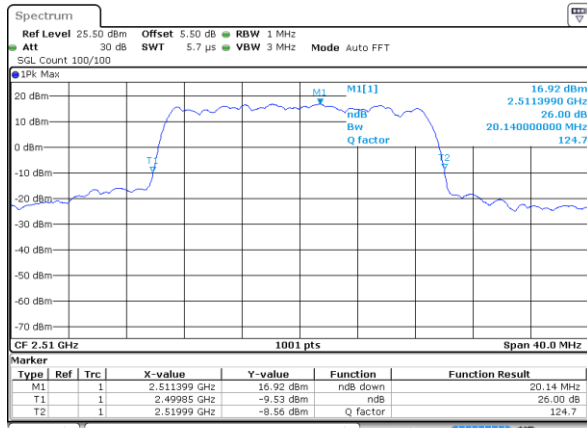


Date: 16 DEC 2019 14:01:56



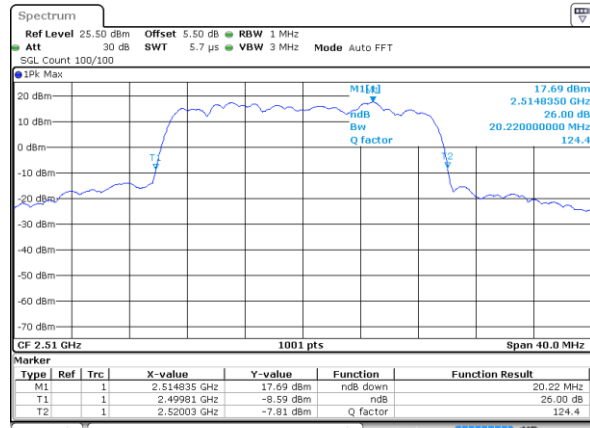
LTE Band 7

Lowest Channel / 20MHz / QPSK



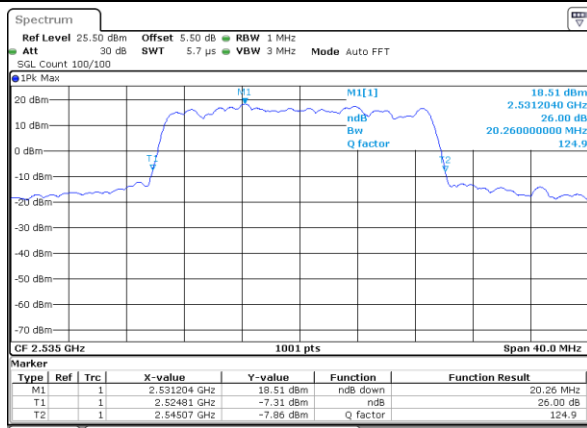
Date: 16 DEC 2019 14:09:07

Lowest Channel / 20MHz / 16QAM



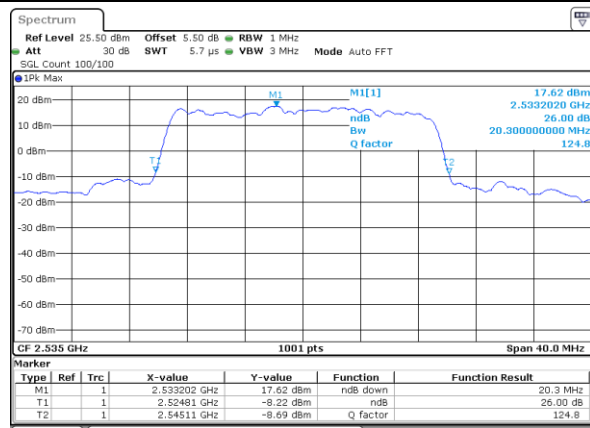
Date: 16 DEC 2019 14:09:46

Middle Channel / 20MHz / QPSK



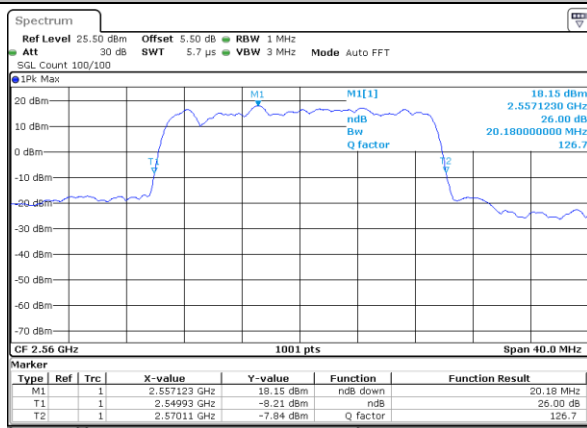
Date: 16 DEC 2019 14:21:04

Middle Channel / 20MHz / 16QAM



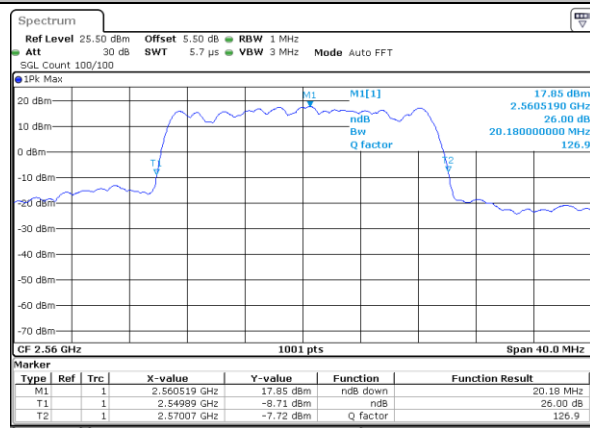
Date: 16 DEC 2019 14:21:43

Highest Channel / 20MHz / QPSK



Date: 16 DEC 2019 14:23:28

Highest Channel / 20MHz / 16QAM

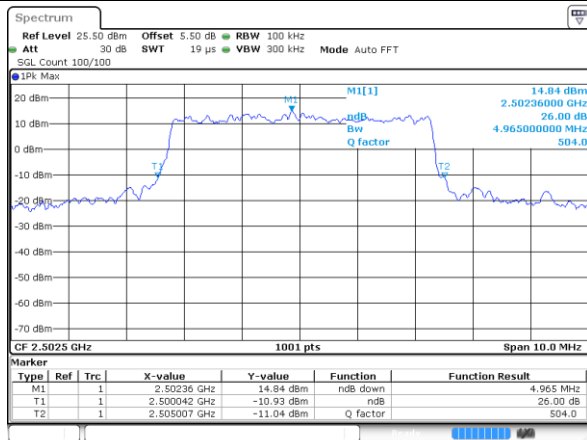


Date: 16 DEC 2019 14:24:08



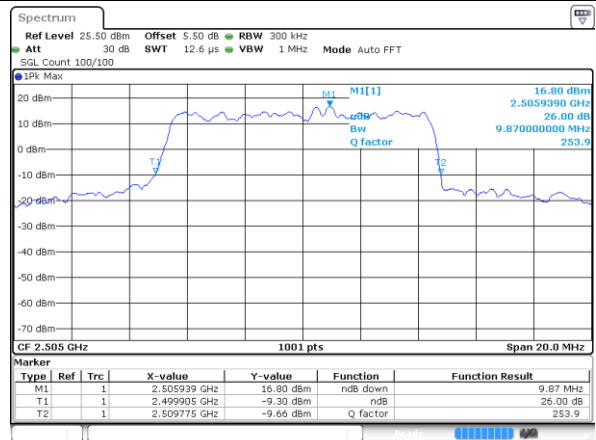
LTE Band 7

Lowest Channel / 5MHz / 64QAM



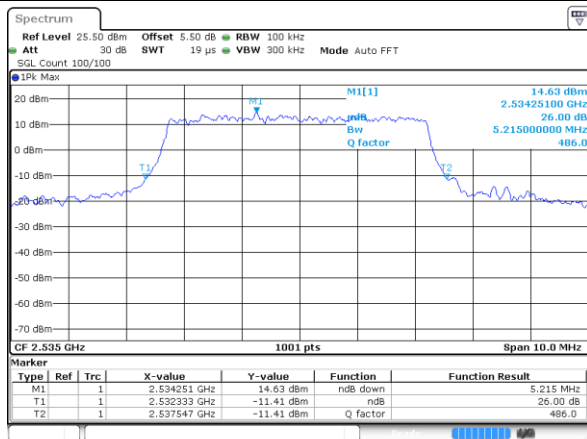
Date: 16 DEC 2019 12:41:55

Lowest Channel / 10MHz / 64QAM



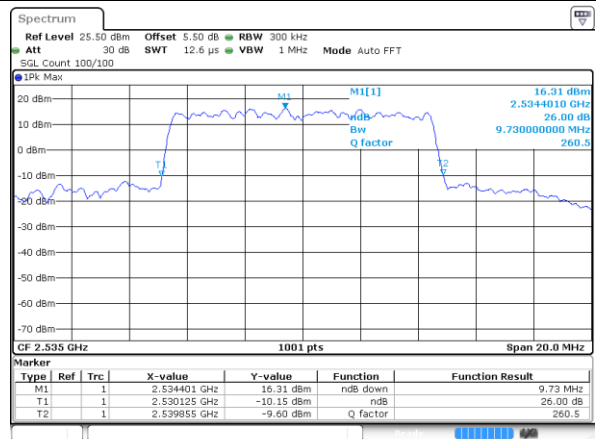
Date: 16 DEC 2019 13:25:48

Middle Channel / 5MHz / 64QAM



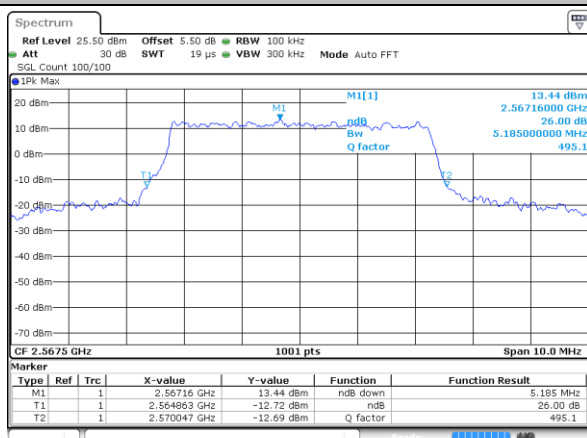
Date: 16 DEC 2019 12:55:05

Middle Channel / 10MHz / 64QAM



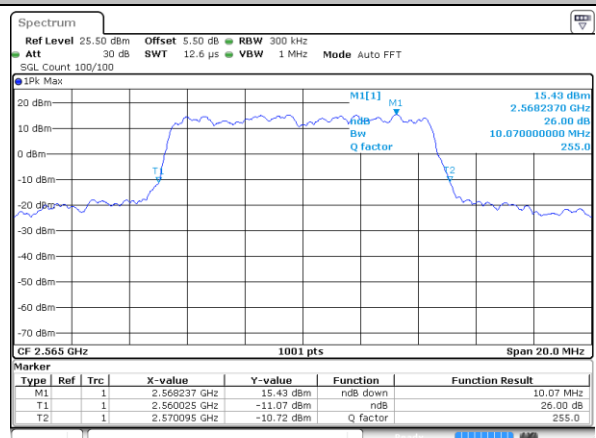
Date: 16 DEC 2019 13:37:02

Highest Channel / 5MHz / 64QAM



Date: 16 DEC 2019 13:02:03

Highest Channel / 10MHz / 64QAM

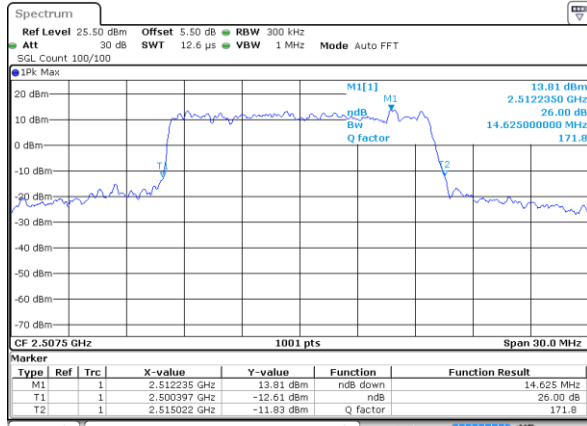


Date: 16 DEC 2019 13:43:45



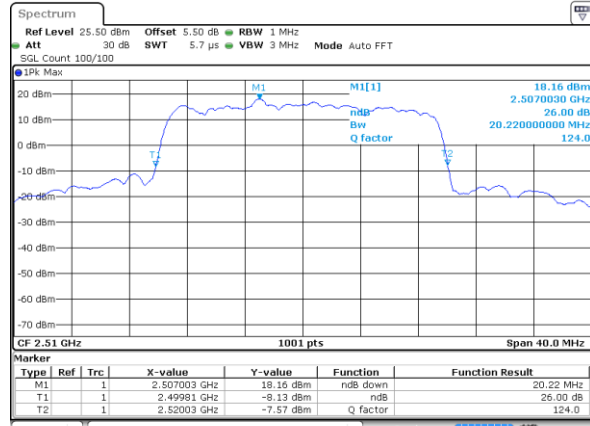
LTE Band 7

Lowest Channel / 15MHz / 64QAM



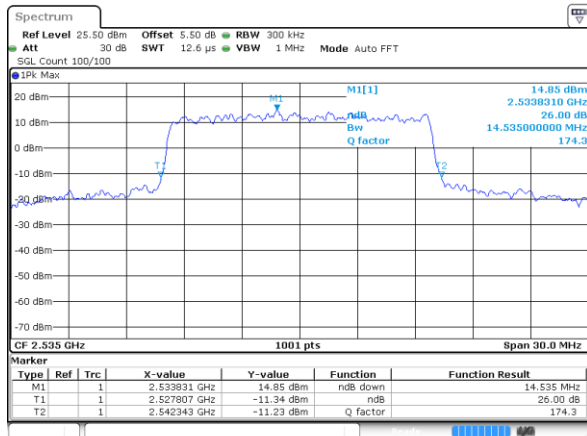
Date: 16 DEC 2019 13:48:14

Lowest Channel / 20MHz / 64QAM



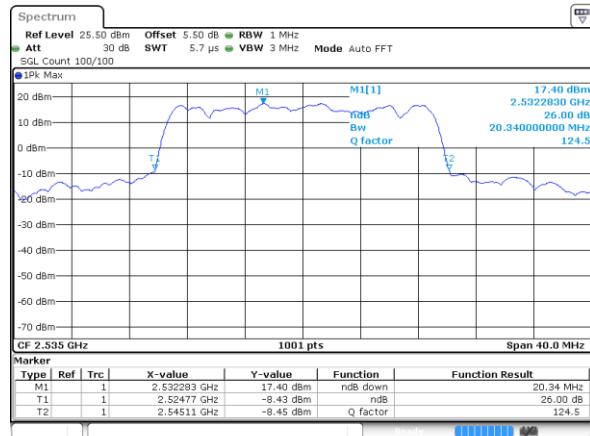
Date: 16 DEC 2019 14:10:27

Middle Channel / 15MHz / 64QAM



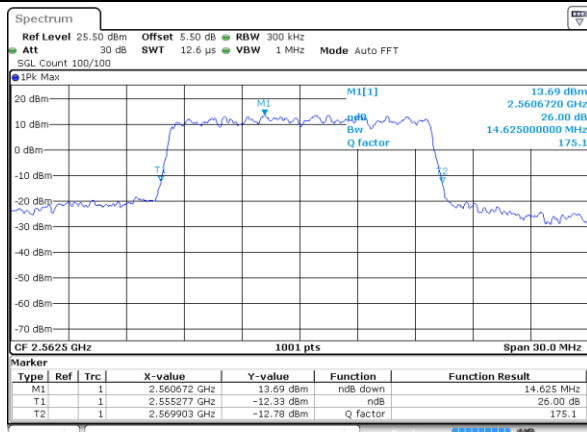
Date: 16 DEC 2019 13:57:11

Middle Channel / 20MHz / 64QAM



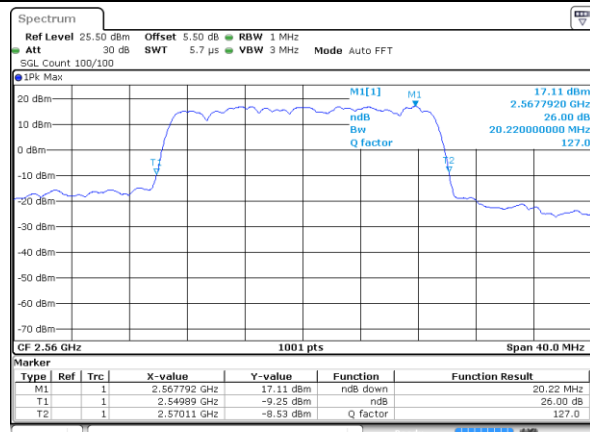
Date: 16 DEC 2019 14:22:22

Highest Channel / 15MHz / 64QAM



Date: 16 DEC 2019 14:02:38

Highest Channel / 20MHz / 64QAM

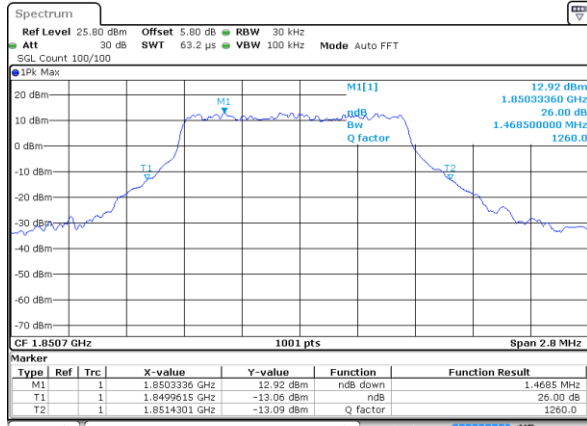


Date: 16 DEC 2019 14:24:56



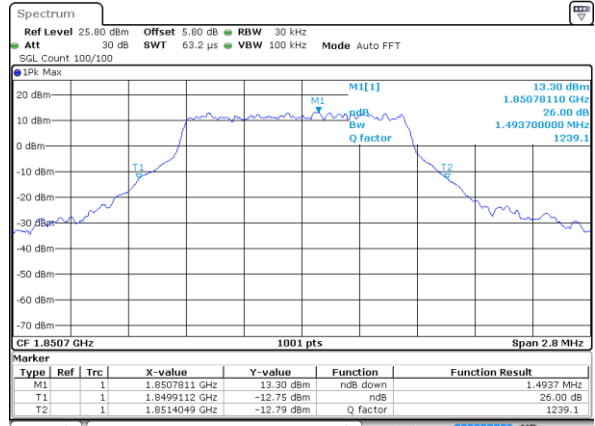
LTE Band 25

Lowest Channel / 1.4MHz / QPSK



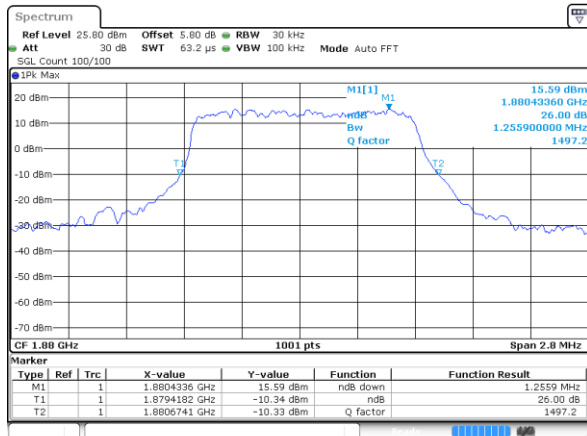
Date: 4 DEC 2019 11:16:12

Lowest Channel / 1.4MHz / 16QAM



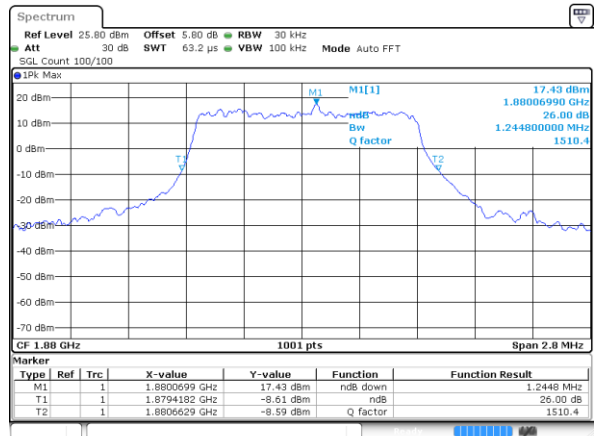
Date: 4 DEC 2019 11:17:04

Middle Channel / 1.4MHz / QPSK



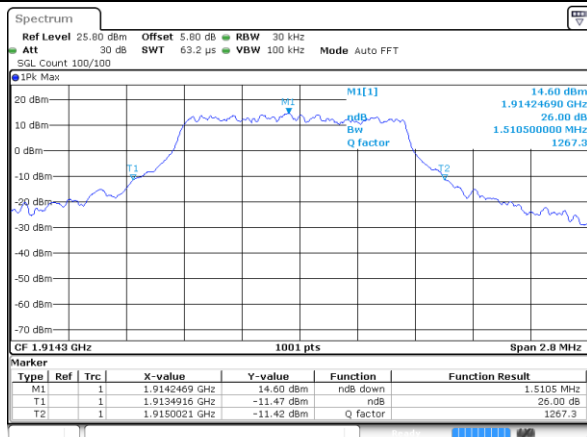
Date: 4 DEC 2019 11:21:38

Middle Channel / 1.4MHz / 16QAM



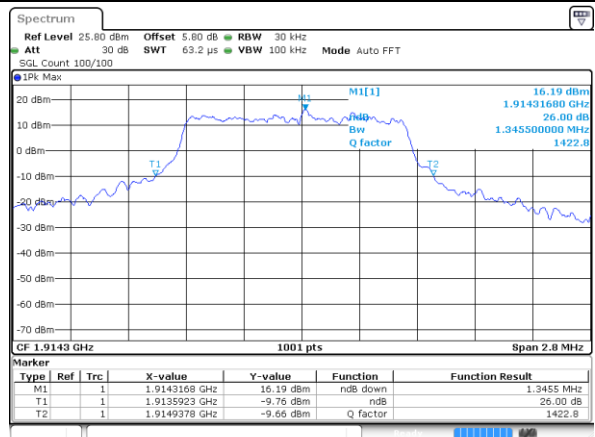
Date: 4 DEC 2019 11:21:59

Highest Channel / 1.4MHz / QPSK



Date: 4 DEC 2019 11:25:28

Highest Channel / 1.4MHz / 16QAM

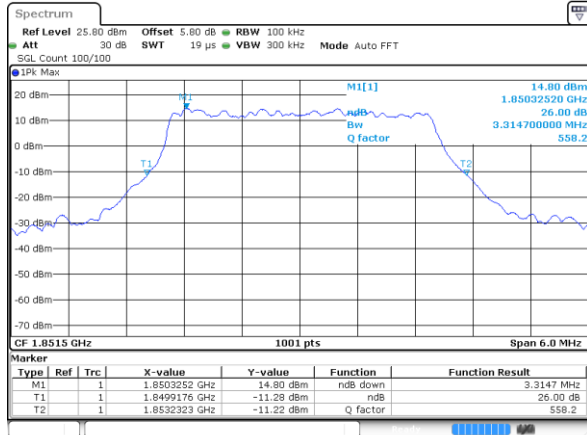


Date: 4 DEC 2019 11:25:48



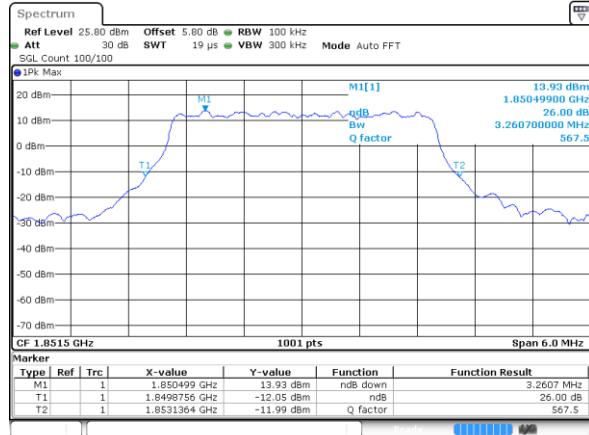
LTE Band 25

Lowest Channel / 3MHz / QPSK



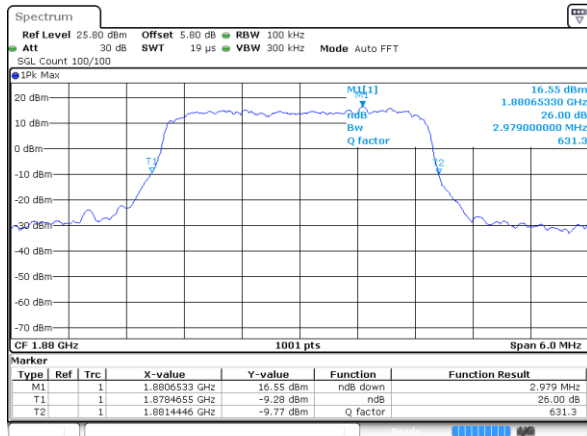
Date: 4 DEC 2019 11:29:30

Lowest Channel / 3MHz / 16QAM



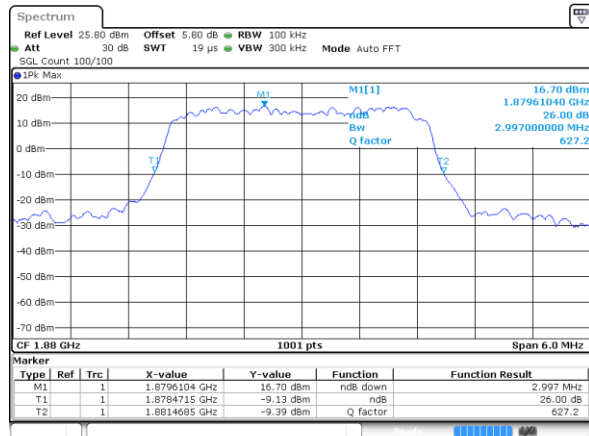
Date: 4 DEC 2019 11:29:53

Middle Channel / 3MHz / QPSK



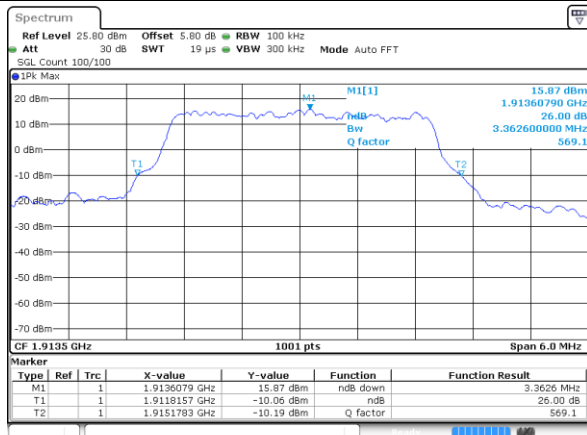
Date: 4 DEC 2019 11:33:21

Middle Channel / 3MHz / 16QAM



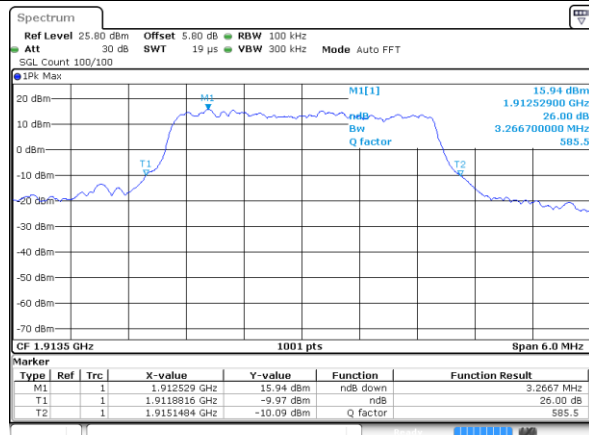
Date: 4 DEC 2019 11:33:42

Highest Channel / 3MHz / QPSK



Date: 4 DEC 2019 11:37:26

Highest Channel / 3MHz / 16QAM

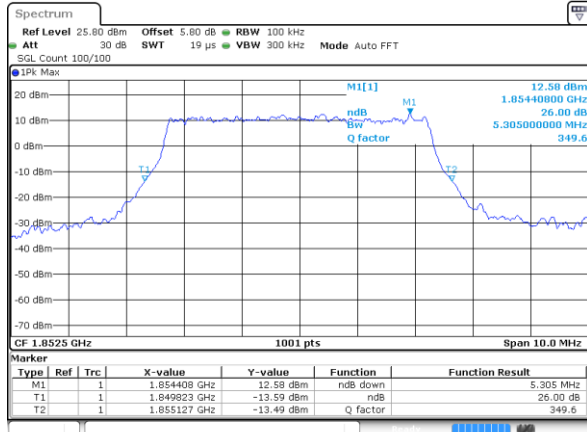


Date: 4 DEC 2019 11:37:49



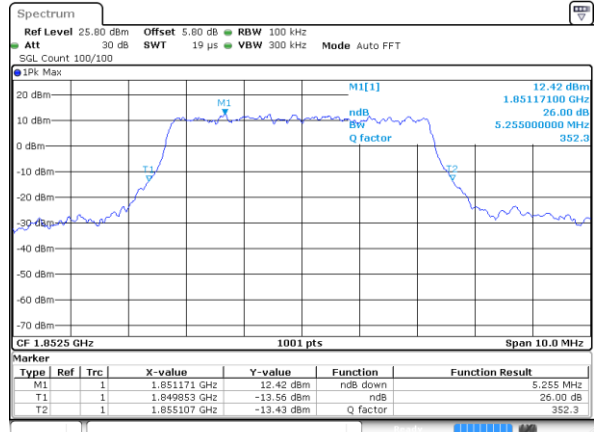
LTE Band 25

Lowest Channel / 5MHz / QPSK



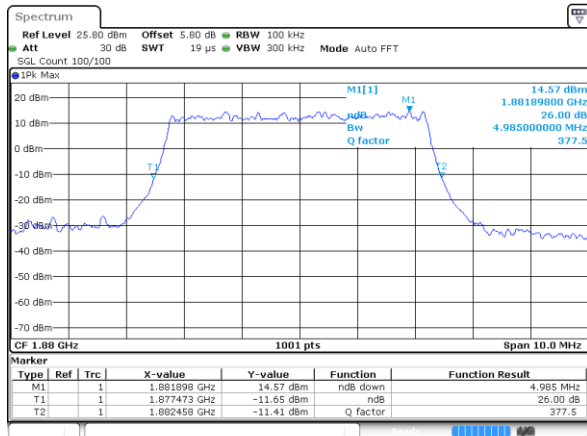
Date: 4 DEC 2019 11:41:38

Lowest Channel / 5MHz / 16QAM



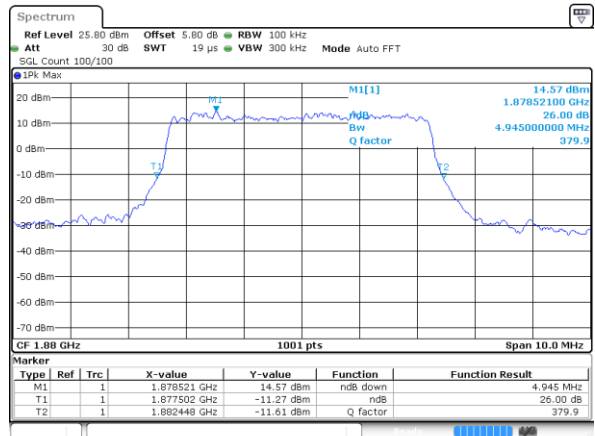
Date: 4 DEC 2019 11:41:58

Middle Channel / 5MHz / QPSK



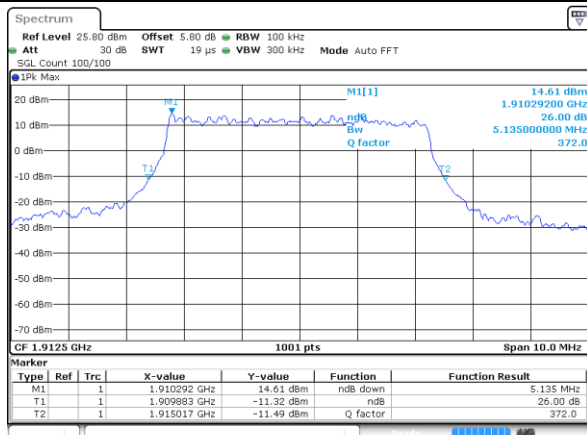
Date: 4 DEC 2019 11:45:33

Middle Channel / 5MHz / 16QAM



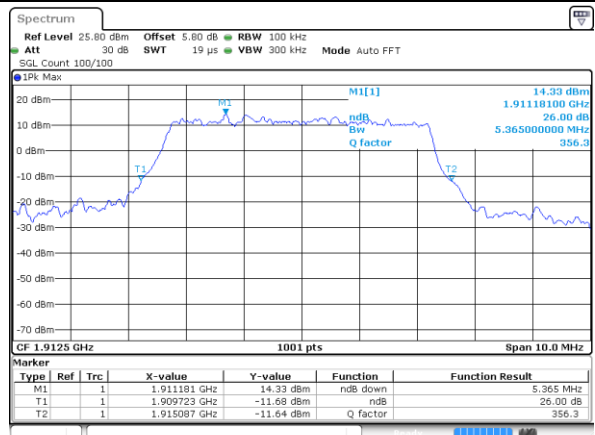
Date: 4 DEC 2019 11:46:02

Highest Channel / 5MHz / QPSK



Date: 4 DEC 2019 11:49:37

Highest Channel / 5MHz / 16QAM

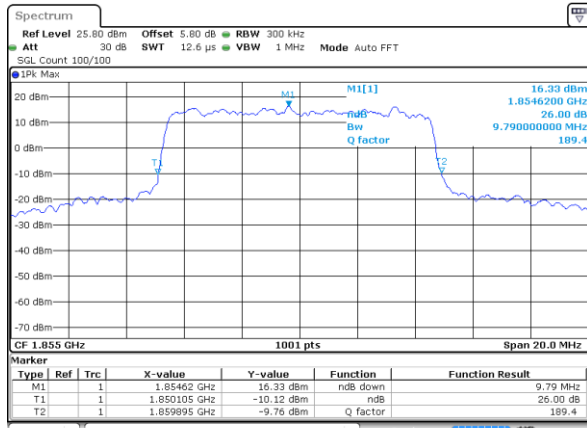


Date: 4 DEC 2019 11:49:57



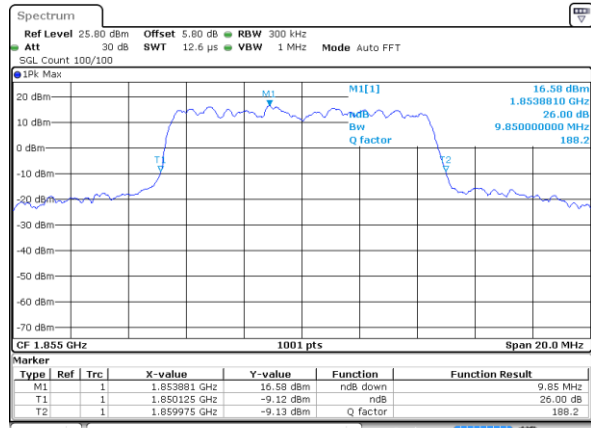
LTE Band 25

Lowest Channel / 10MHz / QPSK



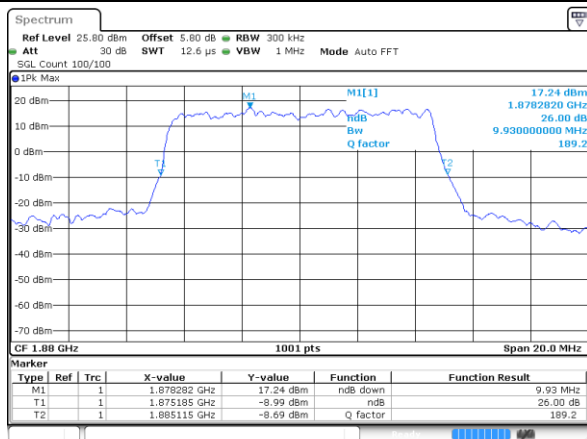
Date: 4 DEC 2019 17:16:09

Lowest Channel / 10MHz / 16QAM



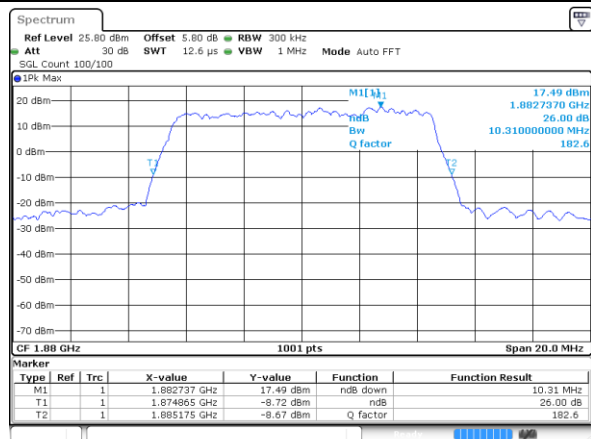
Date: 4 DEC 2019 17:17:19

Middle Channel / 10MHz / QPSK



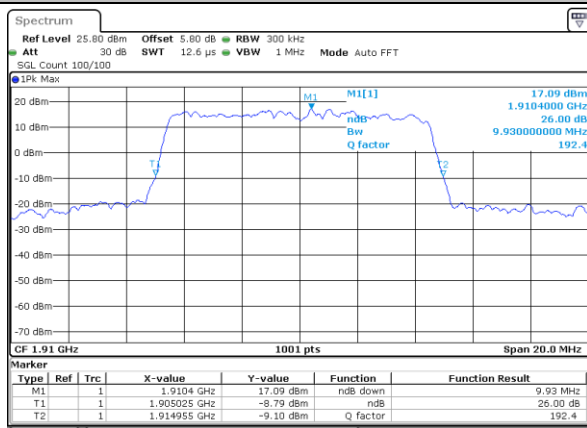
Date: 4 DEC 2019 17:23:36

Middle Channel / 10MHz / 16QAM



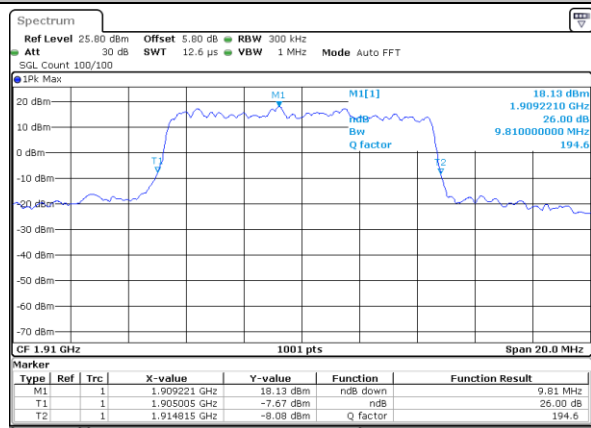
Date: 4 DEC 2019 17:23:56

Highest Channel / 10MHz / QPSK



Date: 4 DEC 2019 17:27:42

Highest Channel / 10MHz / 16QAM

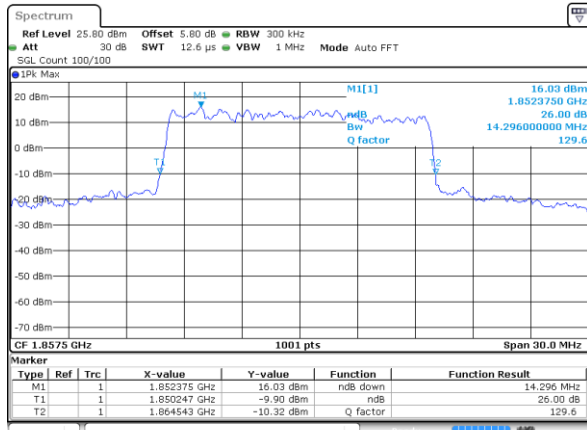


Date: 4 DEC 2019 17:28:02



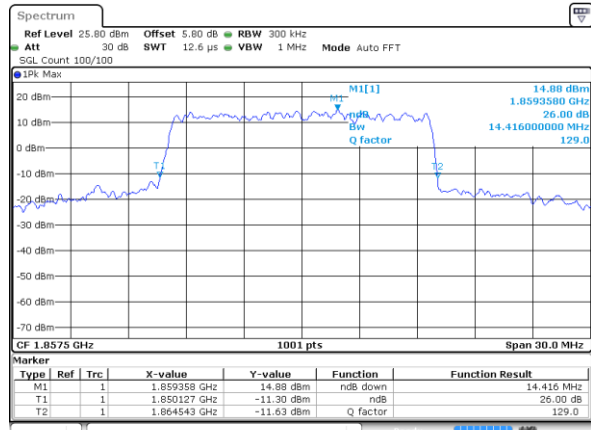
LTE Band 25

Lowest Channel / 15MHz / QPSK



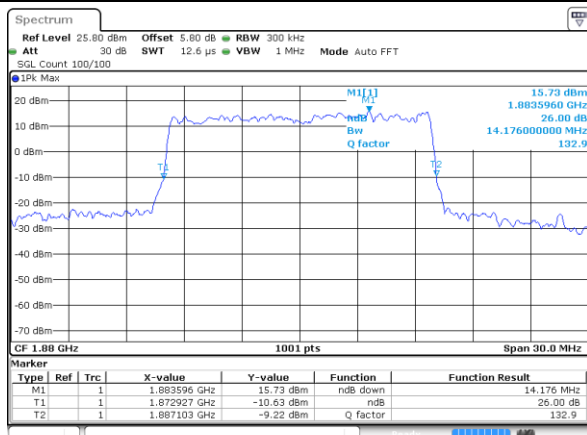
Date: 4 DEC 2019 17:31:27

Lowest Channel / 15MHz / 16QAM



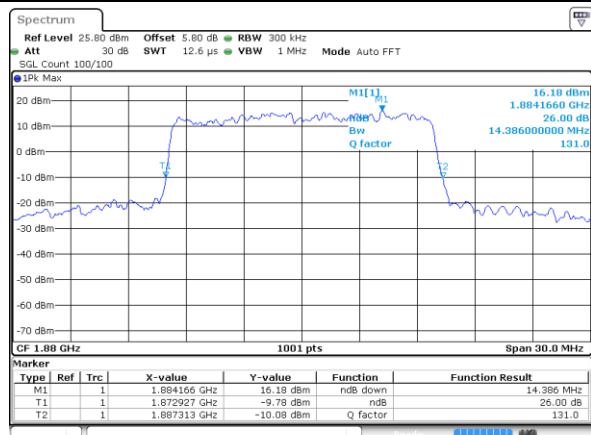
Date: 4 DEC 2019 17:32:21

Middle Channel / 15MHz / QPSK



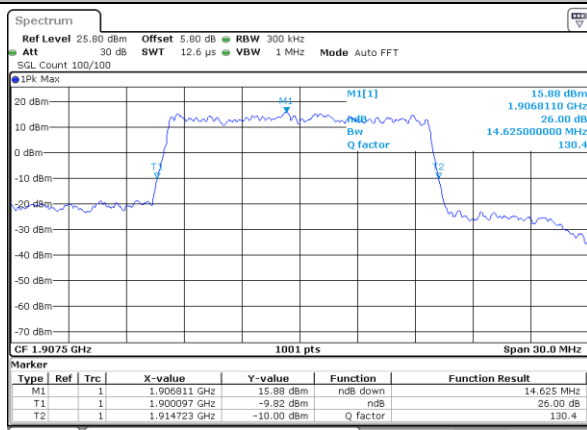
Date: 4 DEC 2019 17:36:25

Middle Channel / 15MHz / 16QAM



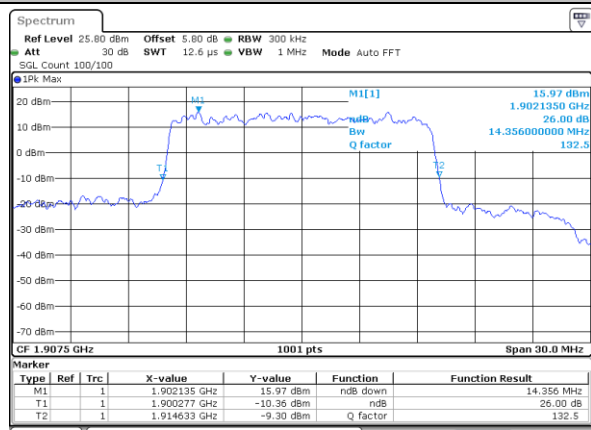
Date: 4 DEC 2019 17:36:47

Highest Channel / 15MHz / QPSK



Date: 4 DEC 2019 17:40:21

Highest Channel / 15MHz / 16QAM

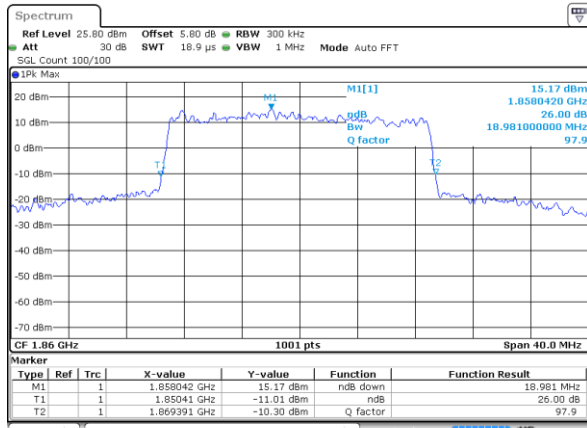


Date: 4 DEC 2019 17:40:39



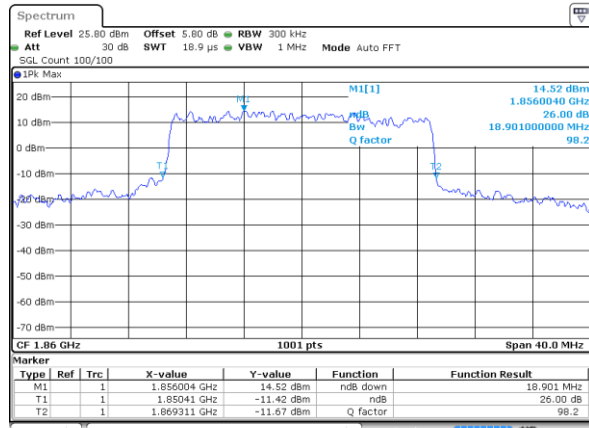
LTE Band 25

Lowest Channel / 20MHz / QPSK



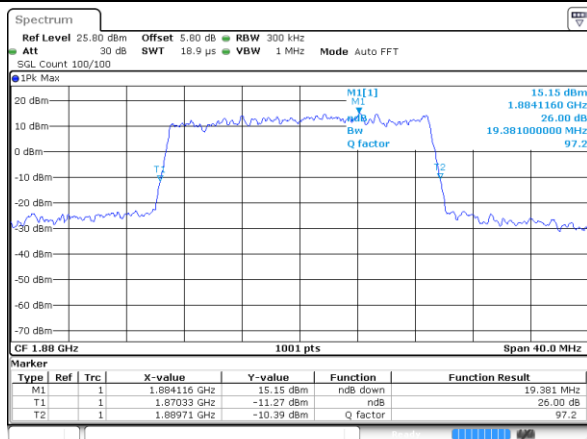
Date: 4 DEC 2019 17:44:18

Lowest Channel / 20MHz / 16QAM



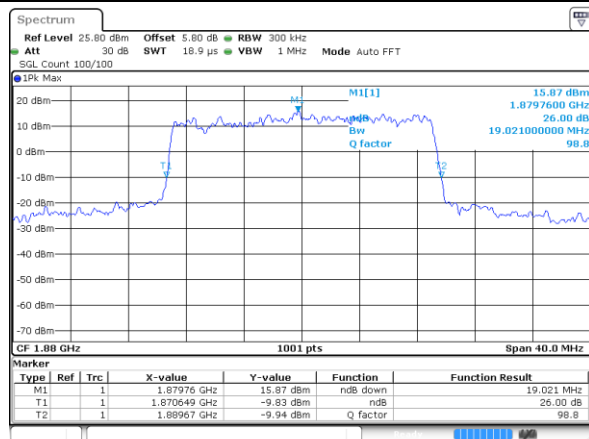
Date: 4 DEC 2019 17:44:44

Middle Channel / 20MHz / QPSK



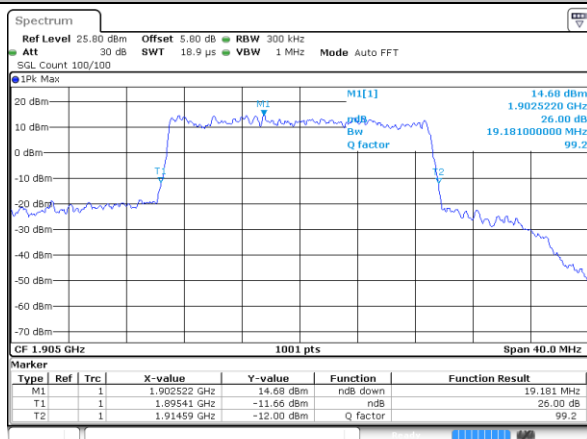
Date: 4 DEC 2019 17:49:09

Middle Channel / 20MHz / 16QAM



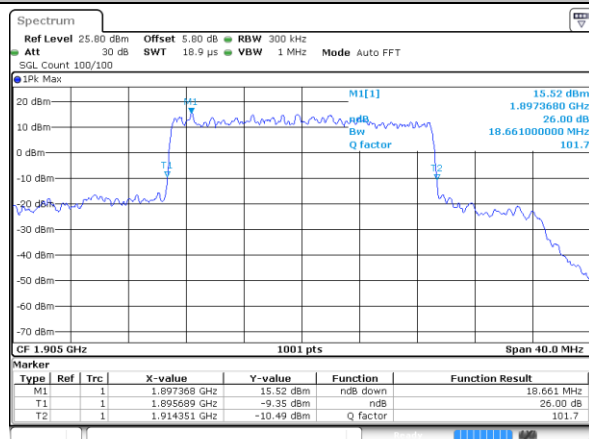
Date: 4 DEC 2019 17:49:37

Highest Channel / 20MHz / QPSK



Date: 4 DEC 2019 17:53:39

Highest Channel / 20MHz / 16QAM

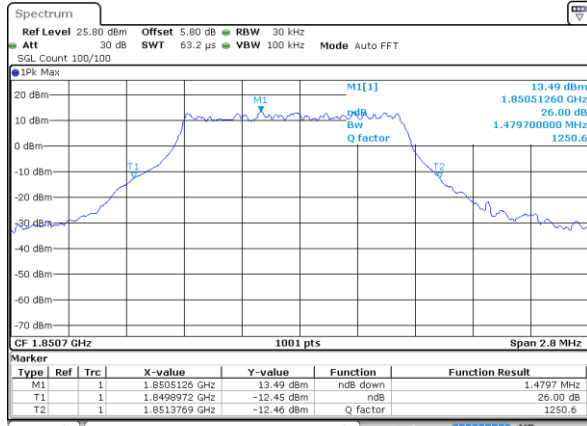


Date: 4 DEC 2019 17:54:04



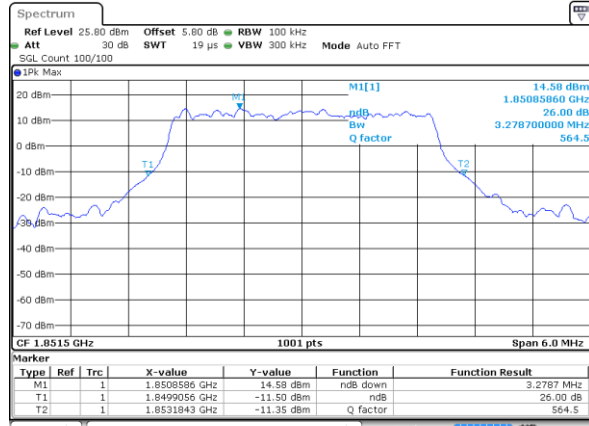
LTE Band 25

Lowest Channel / 1.4MHz / 64QAM



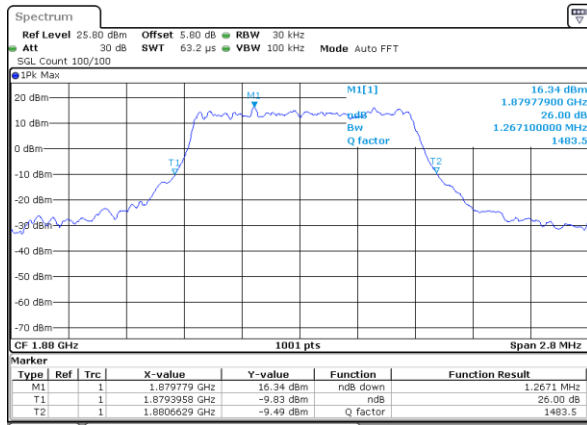
Date: 4 DEC 2019 11:17:26

Lowest Channel / 3MHz / 64QAM



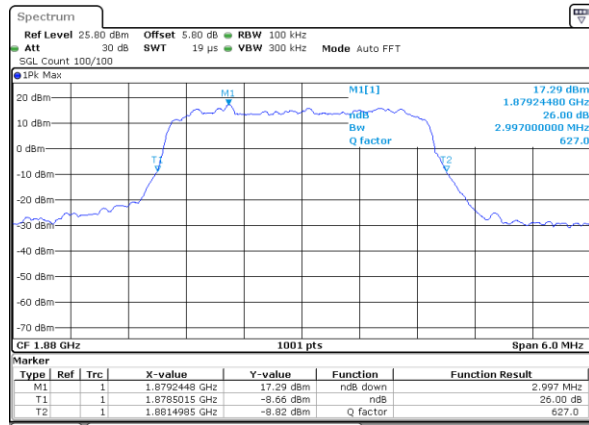
Date: 4 DEC 2019 11:30:16

Middle Channel / 1.4MHz / 64QAM



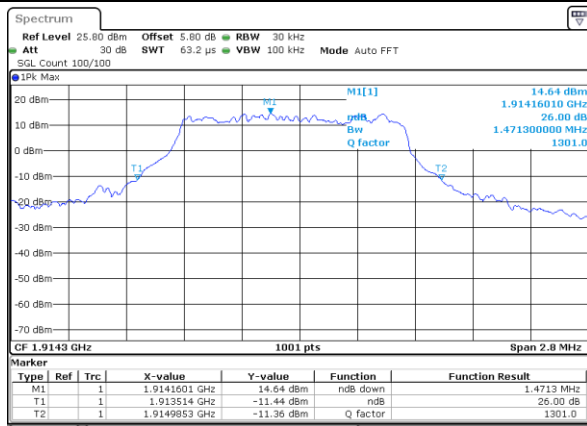
Date: 4 DEC 2019 11:22:22

Middle Channel / 3MHz / 64QAM



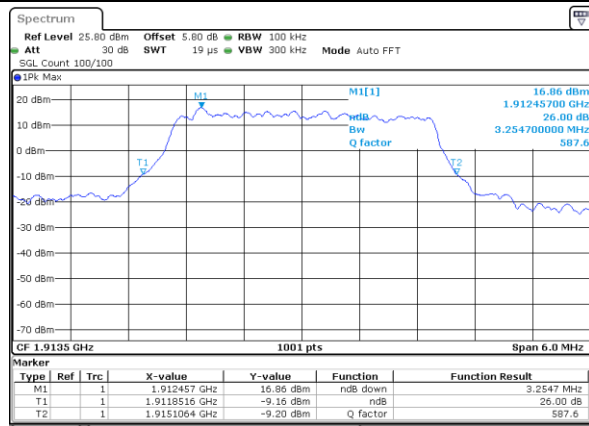
Date: 4 DEC 2019 11:34:08

Highest Channel / 1.4MHz / 64QAM



Date: 4 DEC 2019 11:26:06

Highest Channel / 3MHz / 64QAM

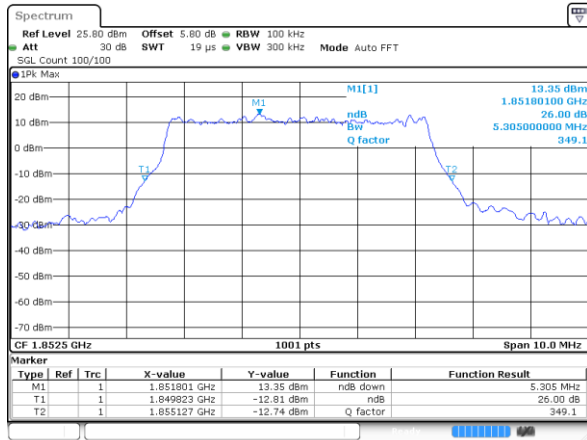


Date: 4 DEC 2019 11:38:13



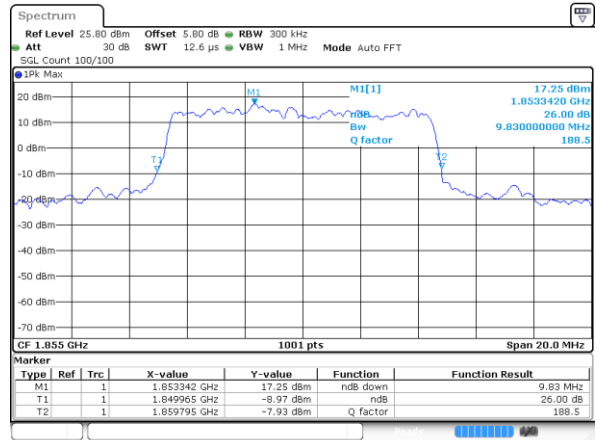
LTE Band 25

Lowest Channel / 5MHz / 64QAM



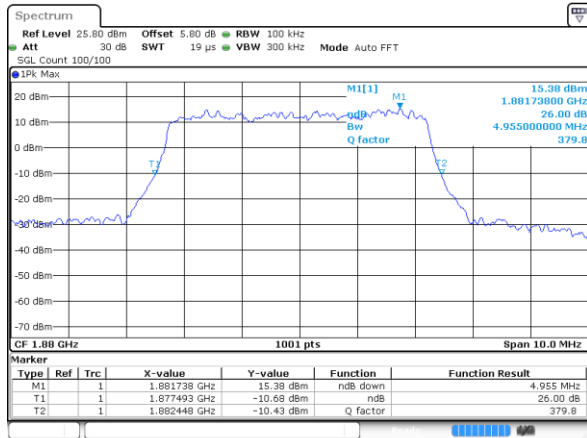
Date: 4 DEC 2019 11:42:20

Lowest Channel / 10MHz / 64QAM



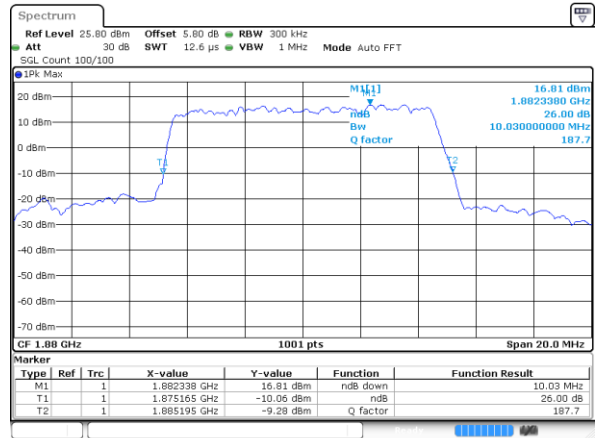
Date: 4 DEC 2019 17:17:42

Middle Channel / 5MHz / 64QAM



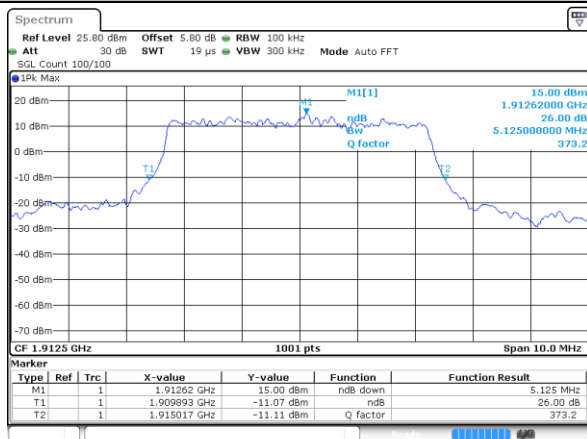
Date: 4 DEC 2019 11:46:26

Middle Channel / 10MHz / 64QAM



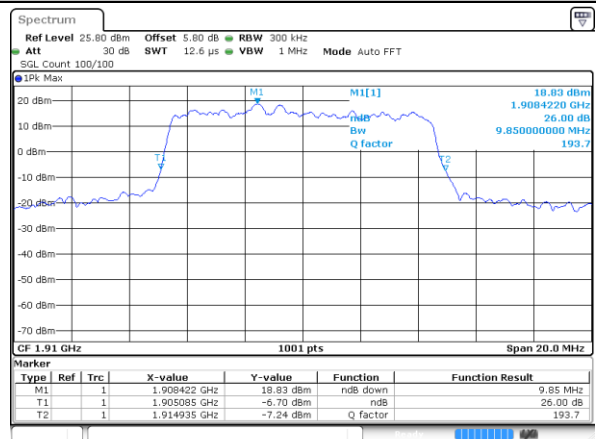
Date: 4 DEC 2019 17:24:21

Highest Channel / 5MHz / 64QAM



Date: 4 DEC 2019 11:50:18

Highest Channel / 10MHz / 64QAM

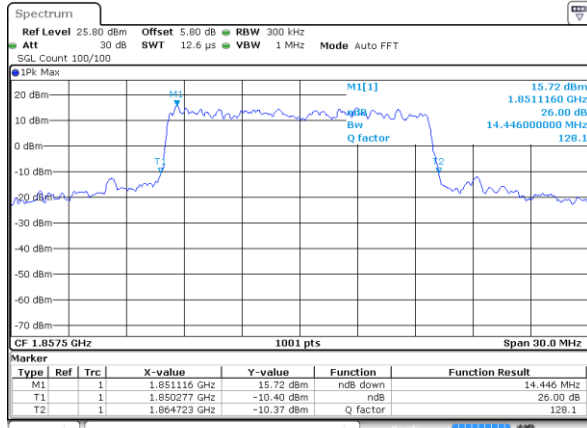


Date: 4 DEC 2019 17:28:20

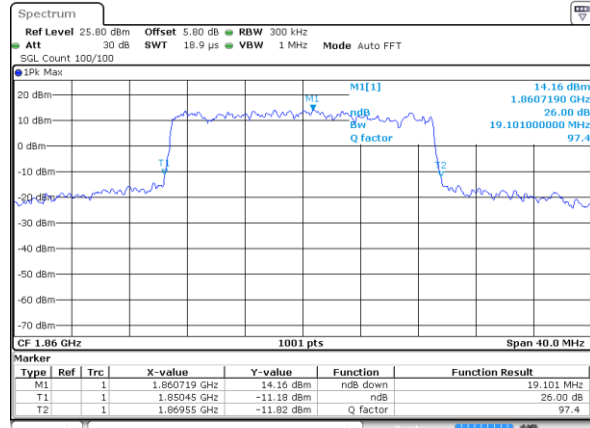


LTE Band 25

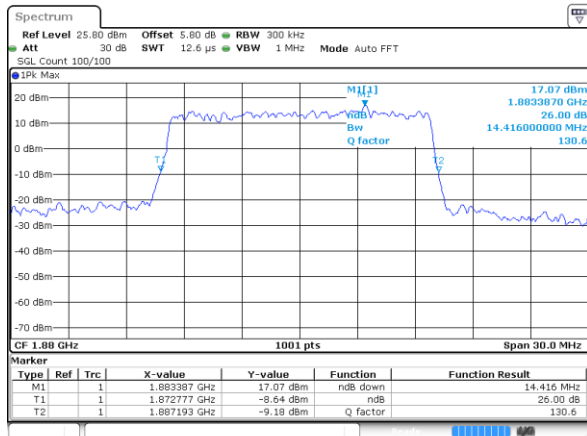
Lowest Channel / 15MHz / 64QAM



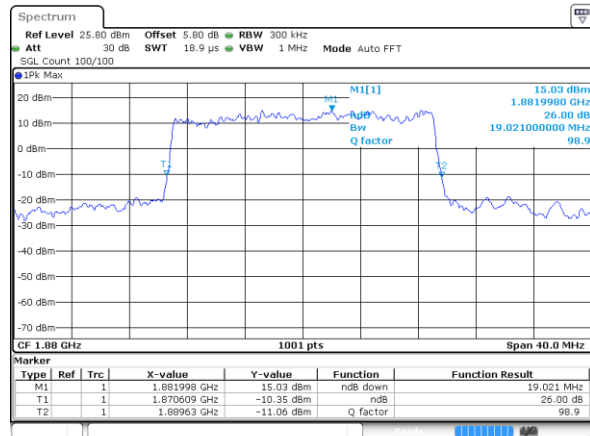
Lowest Channel / 20MHz / 64QAM



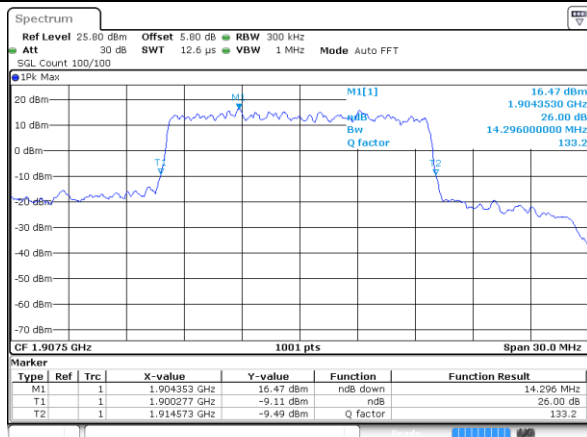
Middle Channel / 15MHz / 64QAM



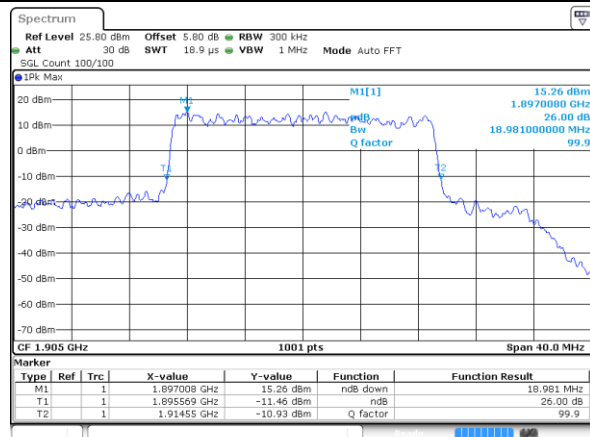
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



Highest Channel / 20MHz / 64QAM





A.1.5 Occupied Bandwidth

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	1.12	1.14	2.74	2.76	4.51	4.56	8.99	8.97	13.37	13.46	18.30	18.26
Middle CH	1.08	1.09	2.69	2.69	4.50	4.49	9.05	9.03	13.46	13.46	18.46	18.42
Highest CH	1.12	1.10	2.76	2.76	4.55	4.52	9.05	9.03	13.40	13.37	18.26	18.10
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-
Lowest CH	1.11	-	2.74	-	4.49	-	8.99	-	13.37	-	18.38	-
Middle CH	1.09	-	2.68	-	4.47	-	9.07	-	13.55	-	18.38	-
Highest CH	1.11	-	2.78	-	4.52	-	9.01	-	13.43	-	18.30	-

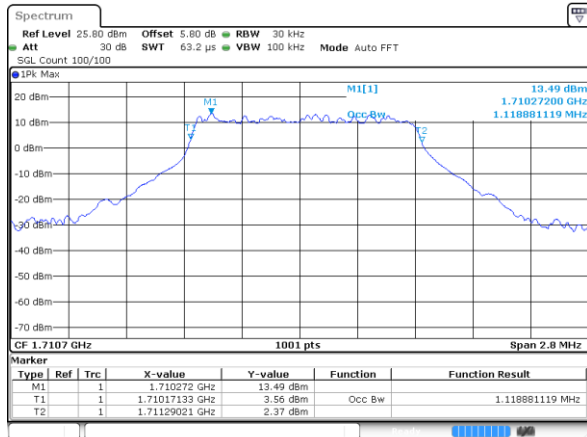
Mode	LTE Band 7 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.52	4.54	9.05	9.05	13.49	13.46	18.46	18.30
Middle CH	-	-	-	-	4.51	4.52	9.09	9.05	13.55	13.49	18.30	18.46
Highest CH	-	-	-	-	4.51	4.49	9.05	9.01	13.40	13.43	18.38	18.42
Mode	LTE Band 7 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-
Lowest CH	-	-	-	-	4.52	-	9.07	-	13.49	-	18.30	-
Middle CH	-	-	-	-	4.52	-	9.09	-	13.46	-	18.46	-
Highest CH	-	-	-	-	4.52	-	9.03	-	13.40	-	18.46	-

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	1.12	1.10	2.76	2.80	4.49	4.53	9.01	9.09	13.55	13.46	17.86	17.94
Middle CH	1.08	1.08	2.67	2.67	4.47	4.47	9.07	9.09	13.43	13.52	17.86	17.94
Highest CH	1.12	1.13	2.72	2.74	4.51	4.53	9.05	9.07	13.46	13.52	17.94	17.90
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-
Lowest CH	1.12	-	2.74	-	4.50	-	9.05	-	13.43	-	17.90	-
Middle CH	1.07	-	2.66	-	4.45	-	9.01	-	13.46	-	17.90	-
Highest CH	1.12	-	2.74	-	4.51	-	9.03	-	13.46	-	17.94	-



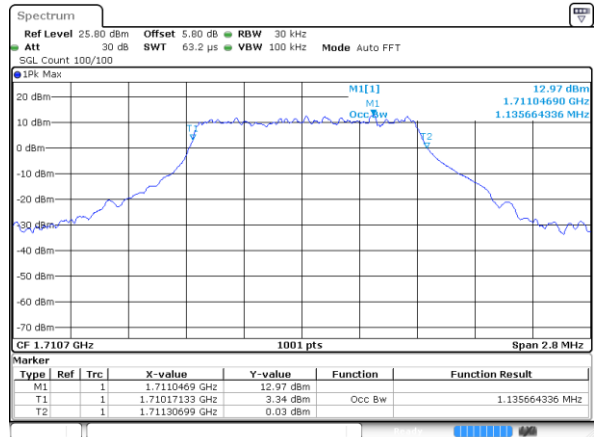
LTE Band 4

Lowest Channel / 1.4MHz / QPSK



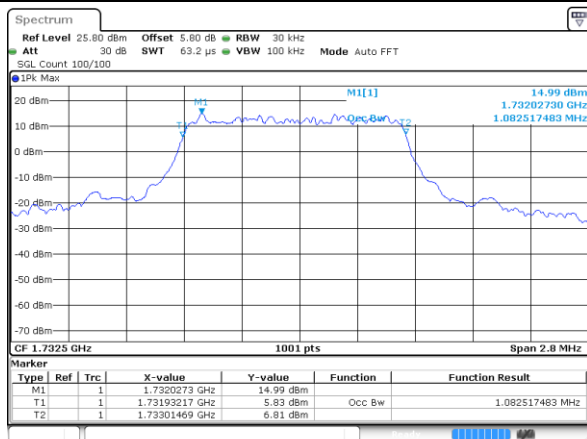
Date: 3 DEC 2019 06:00:36

Lowest Channel / 1.4MHz / 16QAM



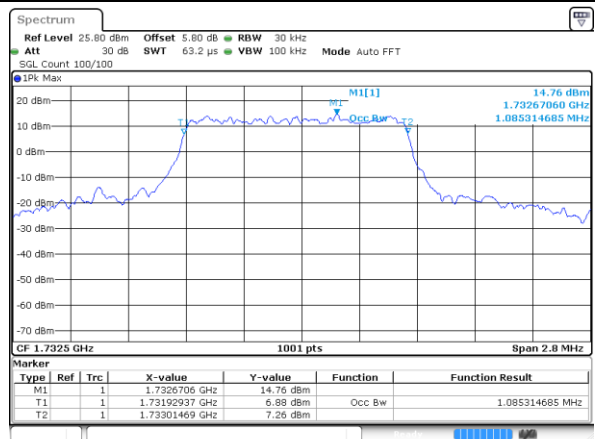
Date: 3 DEC 2019 06:01:48

Middle Channel / 1.4MHz / QPSK



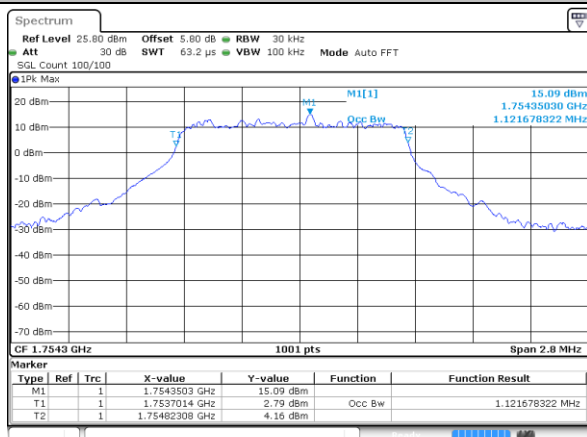
Date: 3 DEC 2019 06:05:45

Middle Channel / 1.4MHz / 16QAM



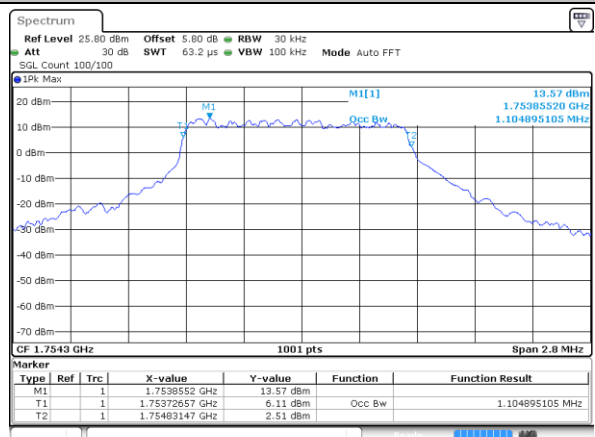
Date: 3 DEC 2019 06:06:09

Highest Channel / 1.4MHz / QPSK



Date: 3 DEC 2019 06:10:03

Highest Channel / 1.4MHz / 16QAM

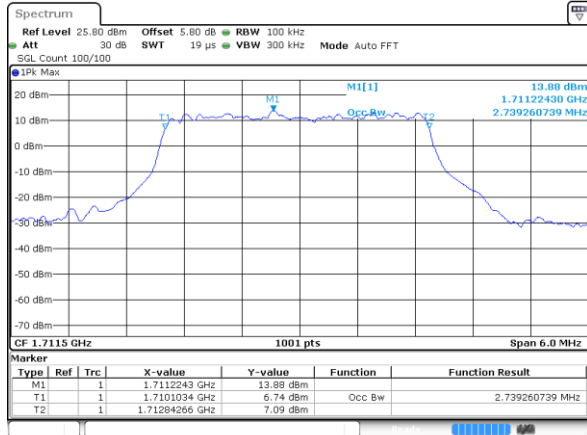


Date: 3 DEC 2019 06:10:28

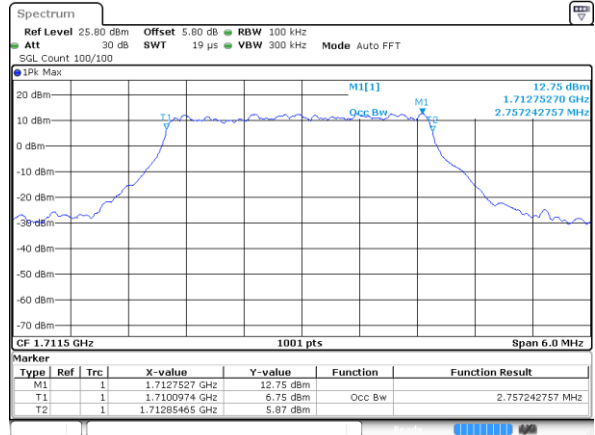


LTE Band 4

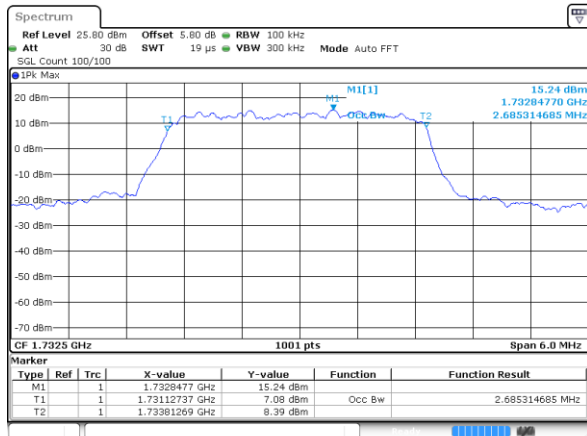
Lowest Channel / 3MHz / QPSK



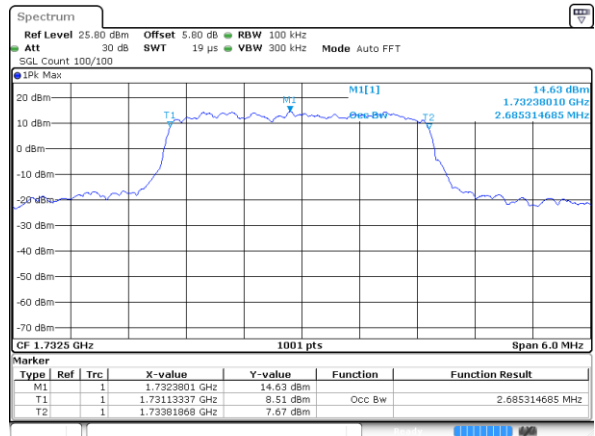
Lowest Channel / 3MHz / 16QAM



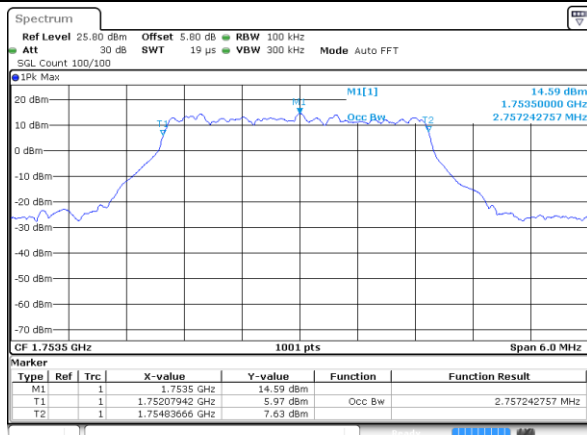
Middle Channel / 3MHz / QPSK



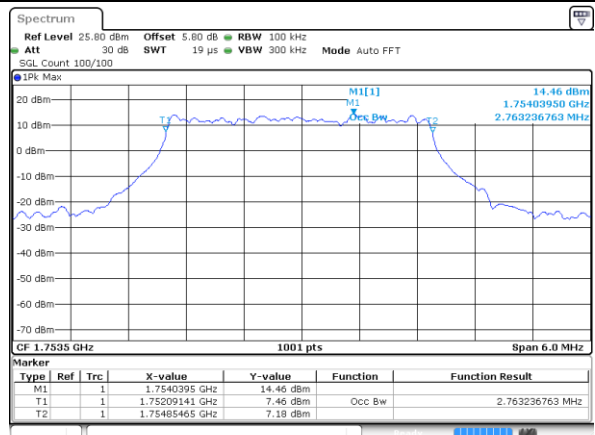
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



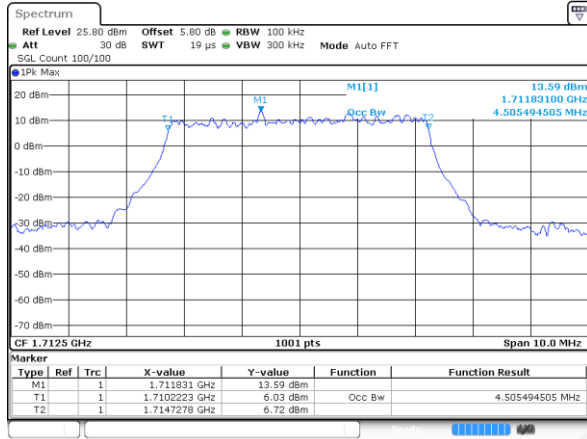
Highest Channel / 3MHz / 16QAM



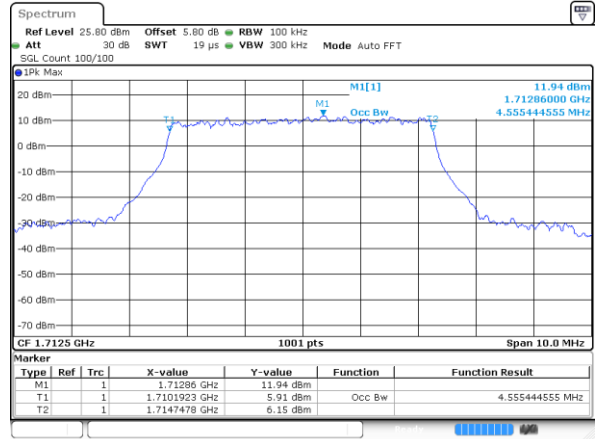


LTE Band 4

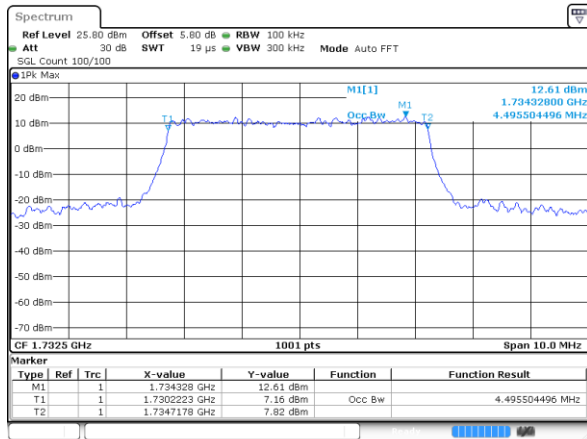
Lowest Channel / 5MHz / QPSK



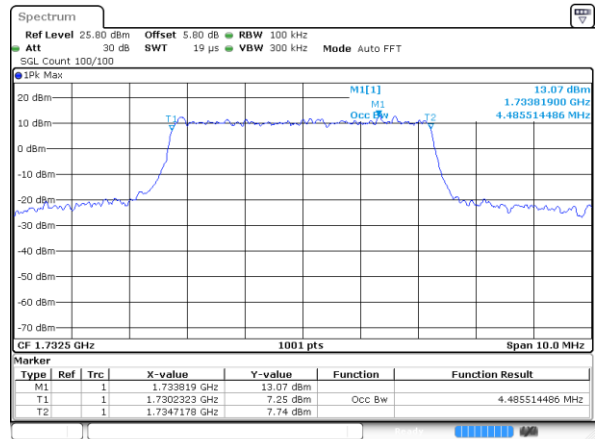
Lowest Channel / 5MHz / 16QAM



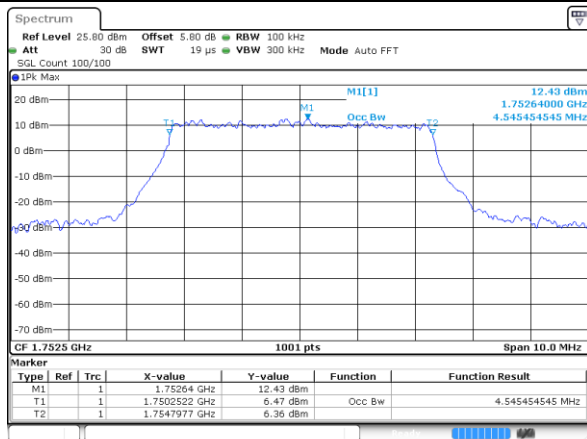
Middle Channel / 5MHz / QPSK



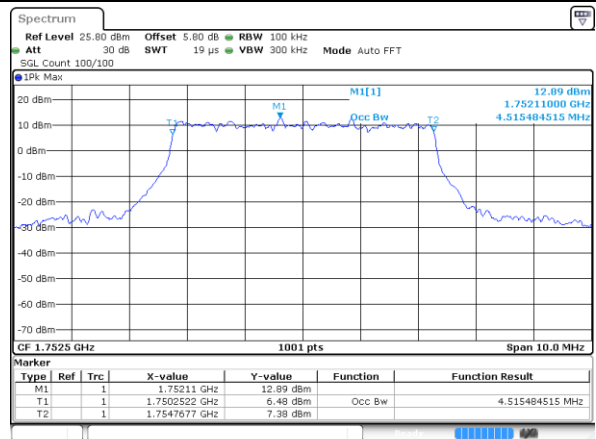
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



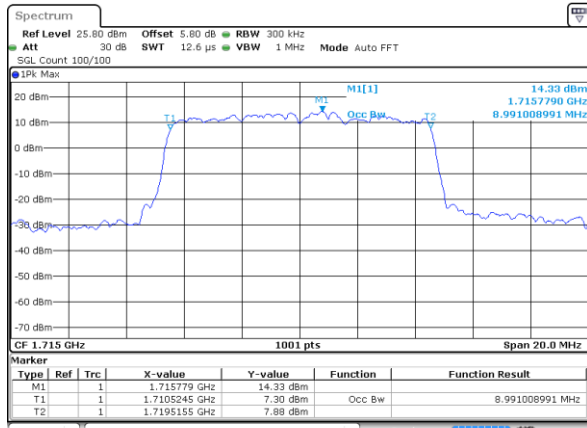
Highest Channel / 5MHz / 16QAM



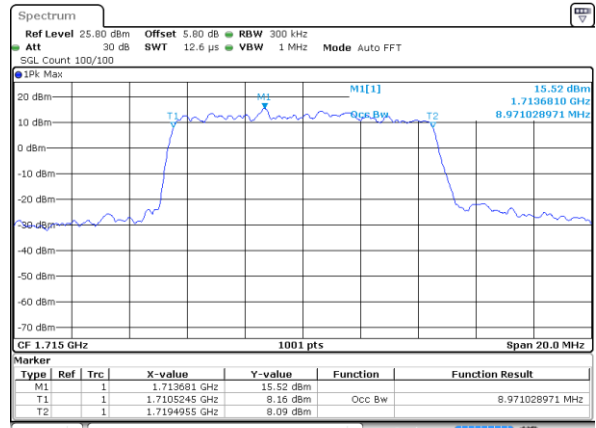


LTE Band 4

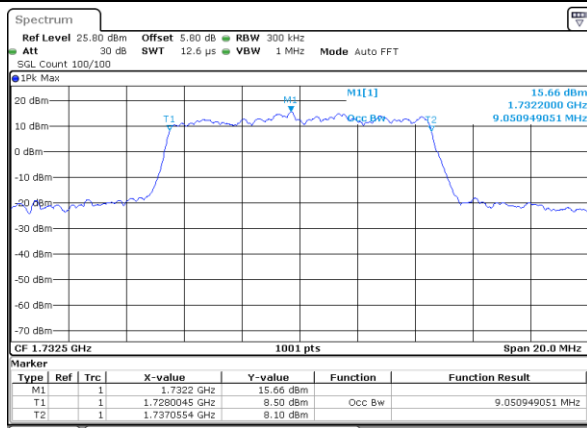
Lowest Channel / 10MHz / QPSK



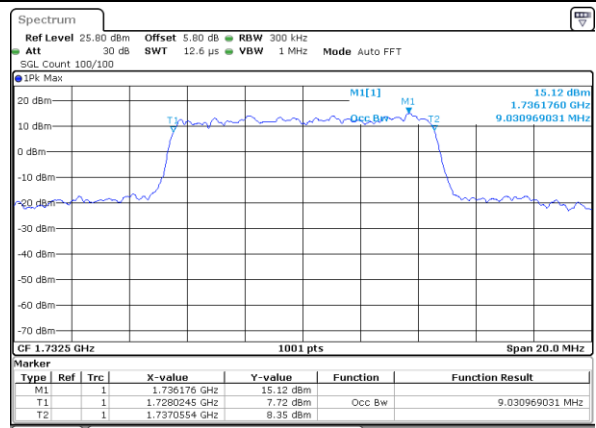
Lowest Channel / 10MHz / 16QAM



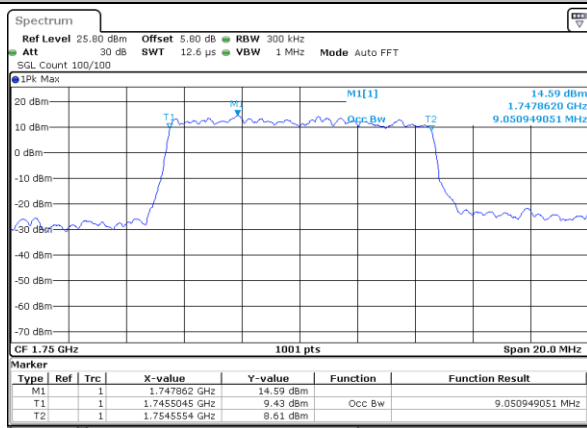
Middle Channel / 10MHz / QPSK



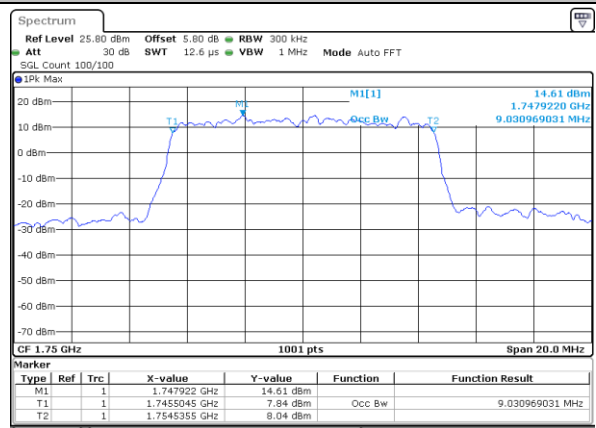
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



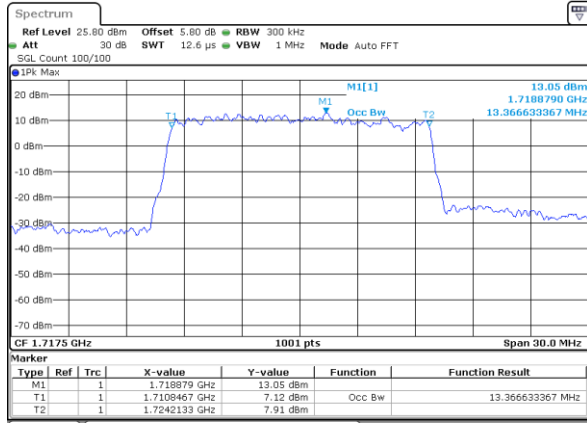
Highest Channel / 10MHz / 16QAM





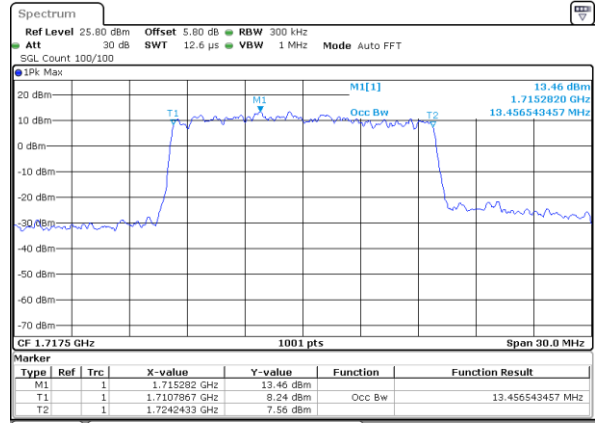
LTE Band 4

Lowest Channel / 15MHz / QPSK



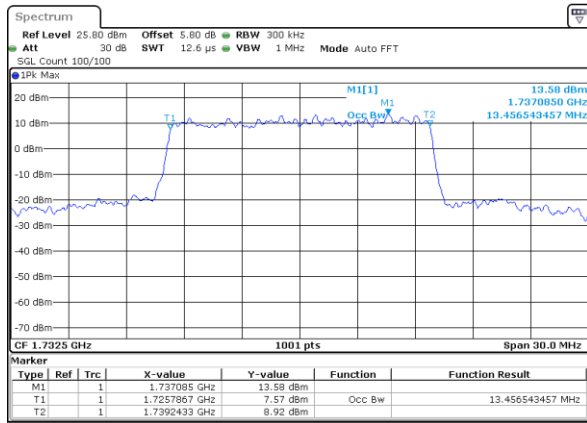
Date: 3 DEC 2019 07:09:08

Lowest Channel / 15MHz / 16QAM



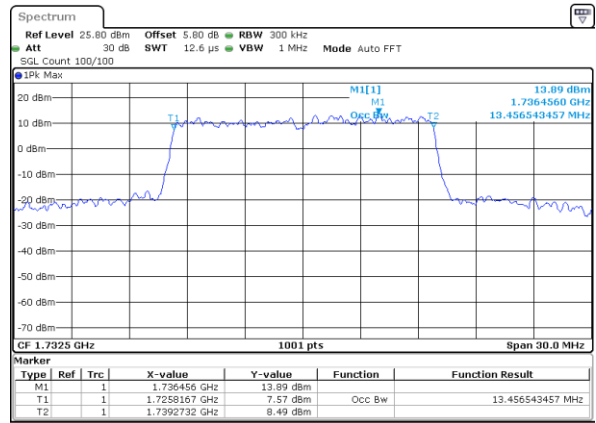
Date: 3 DEC 2019 07:10:13

Middle Channel / 15MHz / QPSK



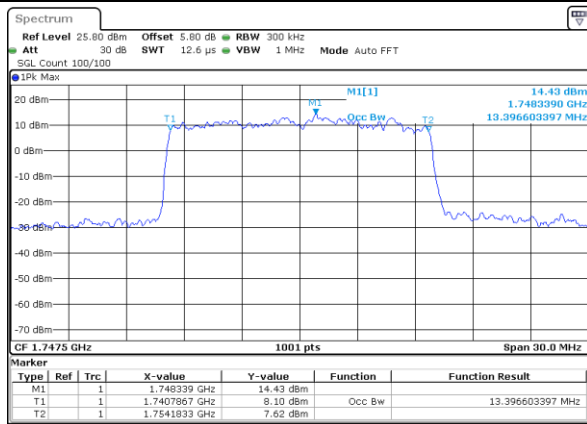
Date: 3 DEC 2019 07:16:42

Middle Channel / 15MHz / 16QAM



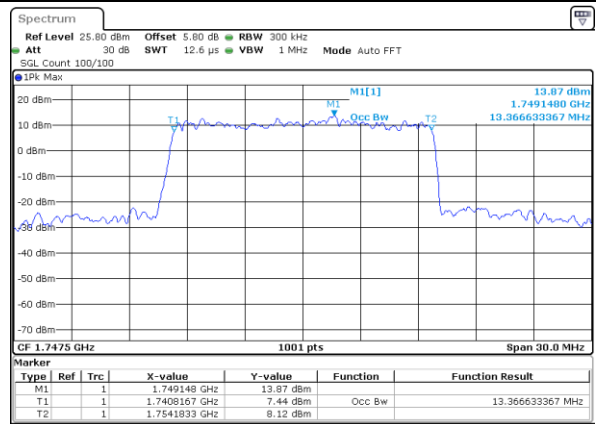
Date: 3 DEC 2019 07:17:20

Highest Channel / 15MHz / QPSK



Date: 3 DEC 2019 07:21:15

Highest Channel / 15MHz / 16QAM

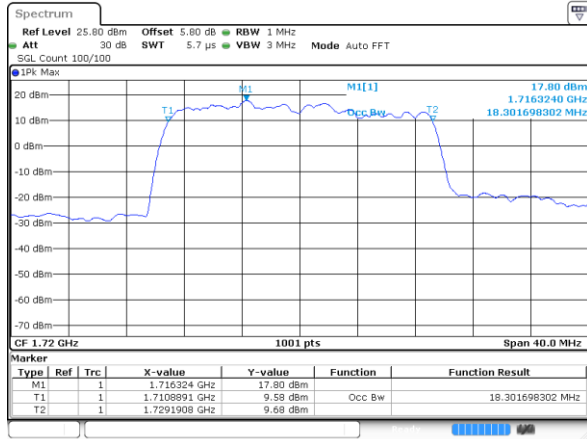


Date: 3 DEC 2019 07:21:48



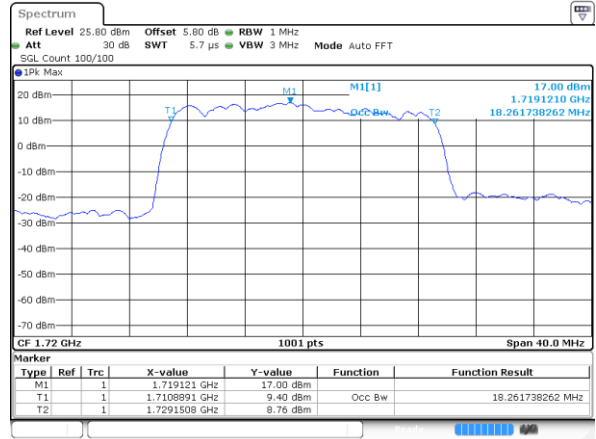
LTE Band 4

Lowest Channel / 20MHz / QPSK



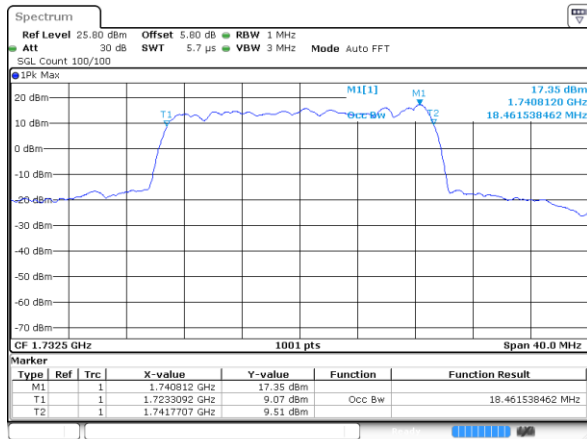
Date: 3 DEC 2019 07:32:19

Lowest Channel / 20MHz / 16QAM



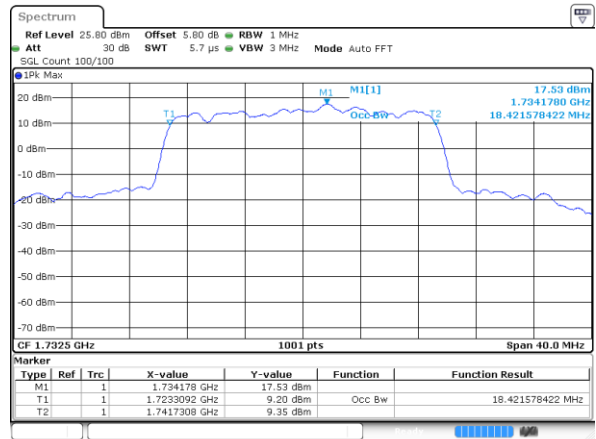
Date: 3 DEC 2019 07:33:01

Middle Channel / 20MHz / QPSK



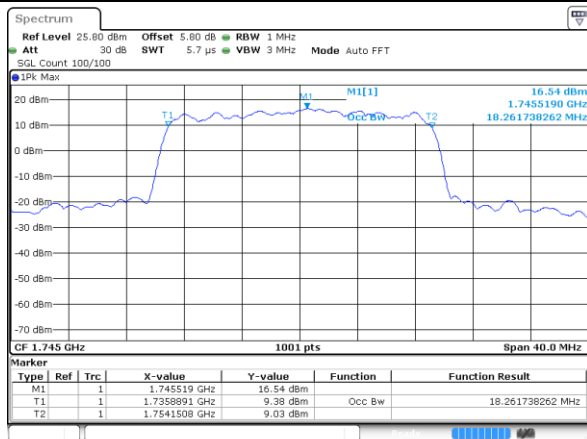
Date: 3 DEC 2019 07:42:57

Middle Channel / 20MHz / 16QAM



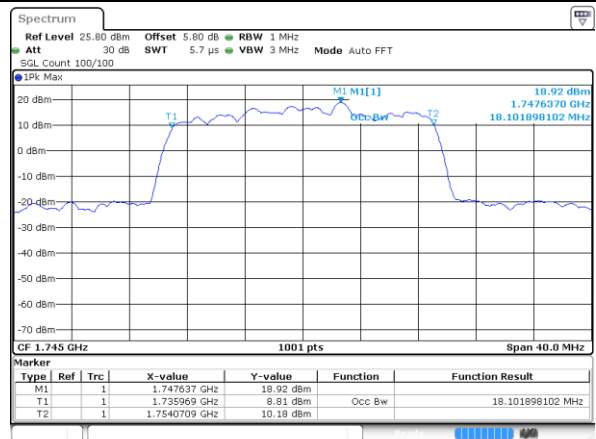
Date: 3 DEC 2019 07:43:26

Highest Channel / 20MHz / QPSK



Date: 3 DEC 2019 07:50:40

Highest Channel / 20MHz / 16QAM

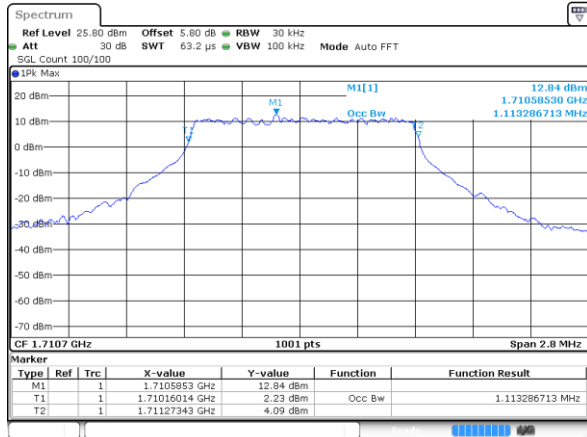


Date: 3 DEC 2019 07:51:23

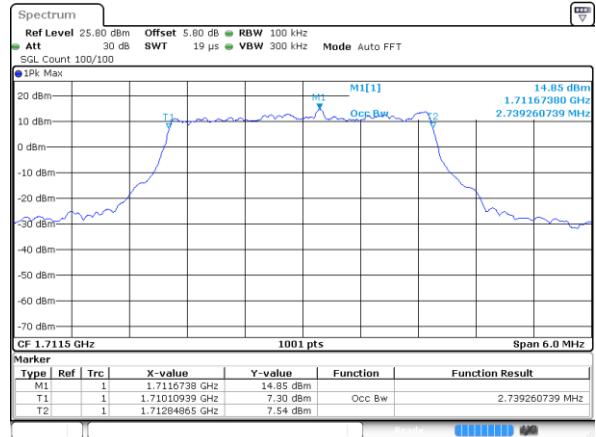


LTE Band 4

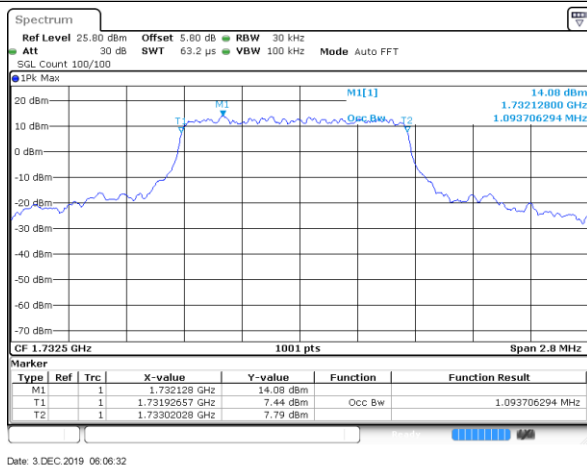
Lowest Channel / 1.4MHz / 64QAM



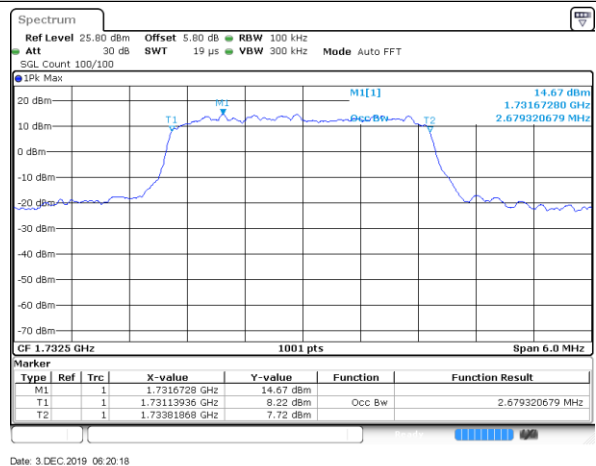
Lowest Channel / 3MHz / 64QAM



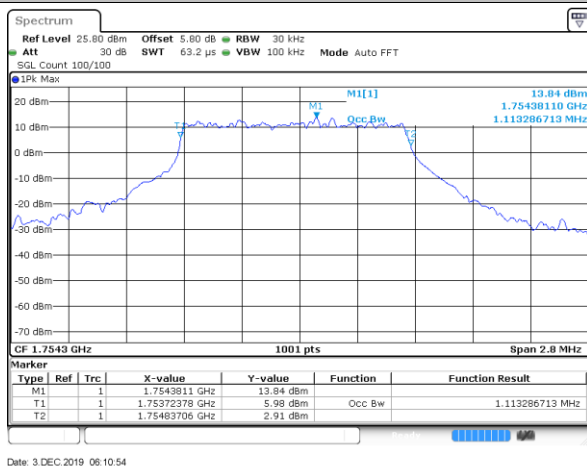
Middle Channel / 1.4MHz / 64QAM



Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM



Highest Channel / 3MHz / 64QAM

