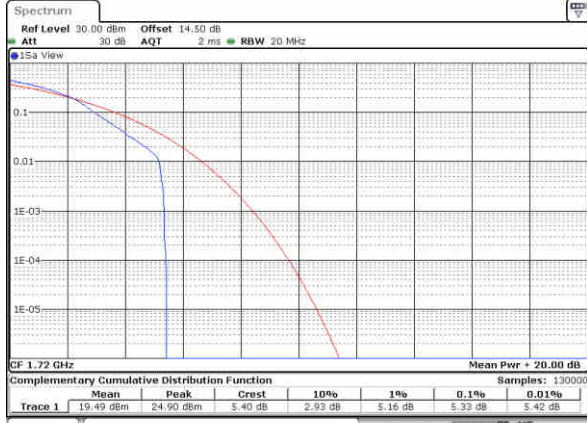




LTE Band 4 / 20MHz / 16QAM

Lowest Channel / 1RB



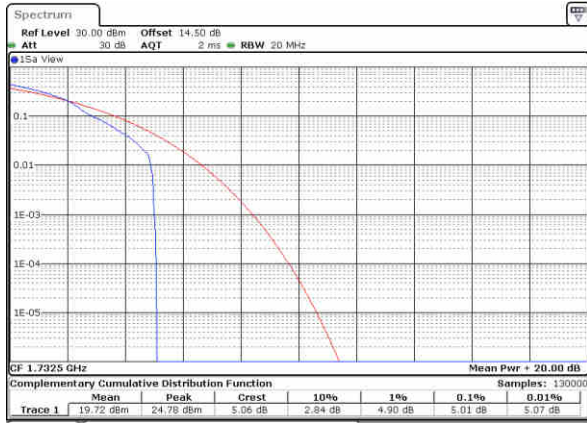
Date: 15, DEC, 2019 00:26:30

Lowest Channel / Full RB



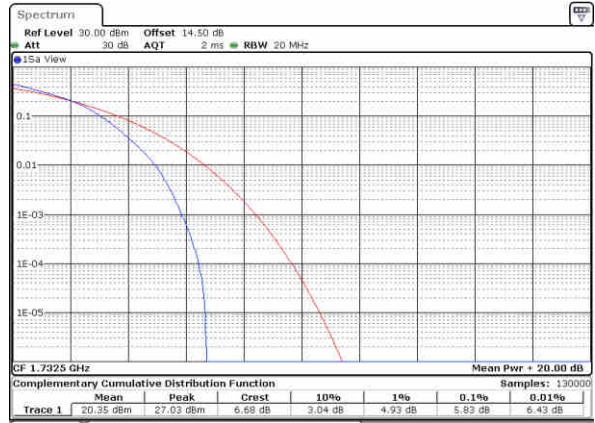
Date: 15, DEC, 2019 00:26:41

Middle Channel / 1RB



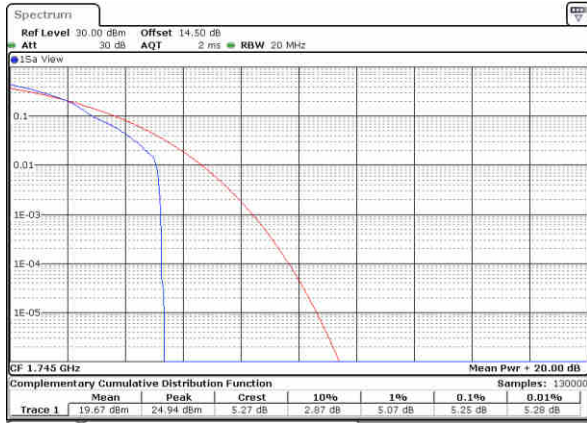
Date: 15, DEC, 2019 00:26:51

Middle Channel / Full RB



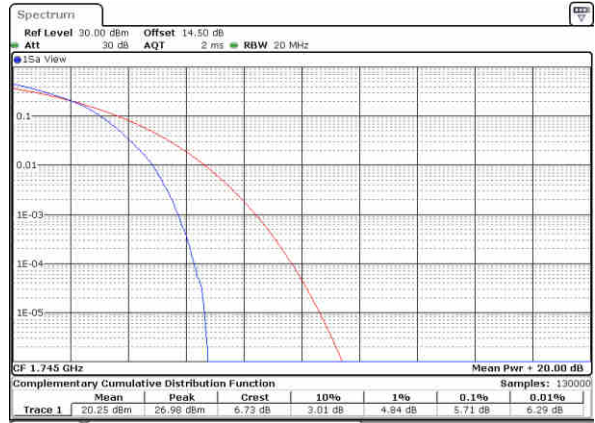
Date: 15, DEC, 2019 00:27:02

Highest Channel / 1RB



Date: 15, DEC, 2019 00:27:12

Highest Channel / Full RB

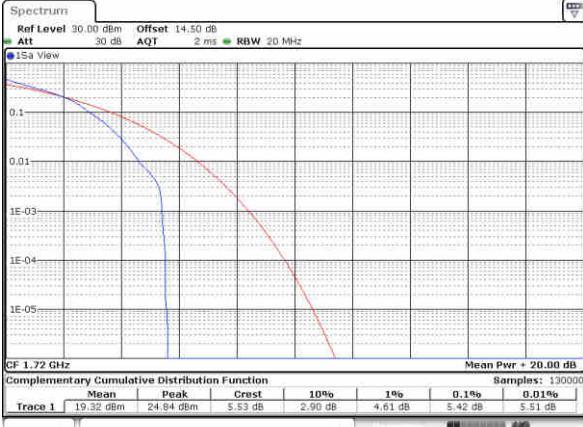


Date: 15, DEC, 2019 00:27:24



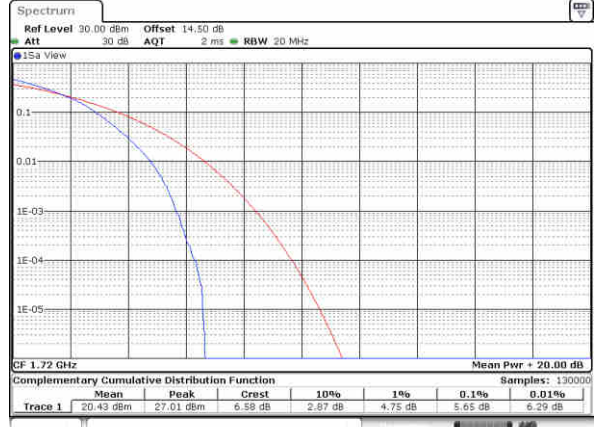
LTE Band 4 / 20MHz / 64QAM

Lowest Channel / 1RB



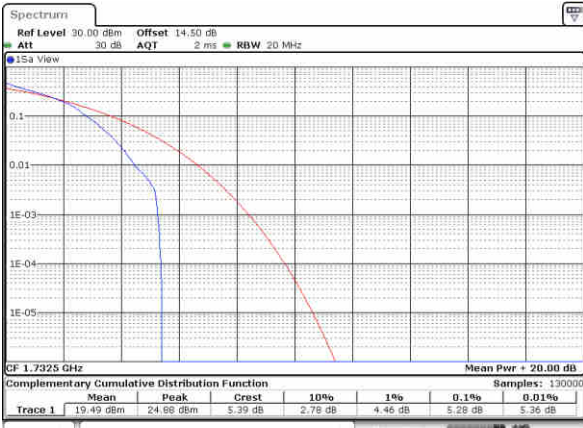
Date: 15, DEC, 2019 00:28:42

Lowest Channel / Full RB



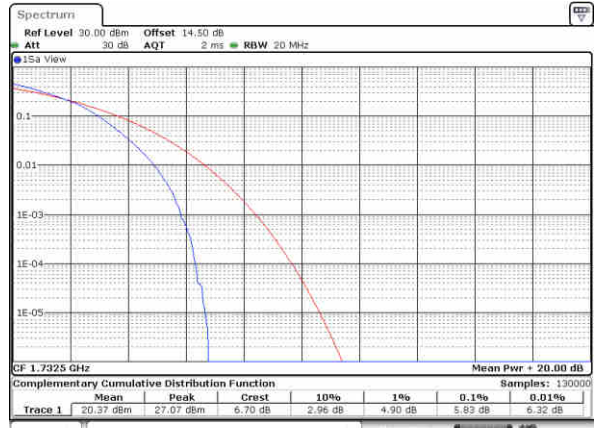
Date: 15, DEC, 2019 00:28:52

Middle Channel / 1RB



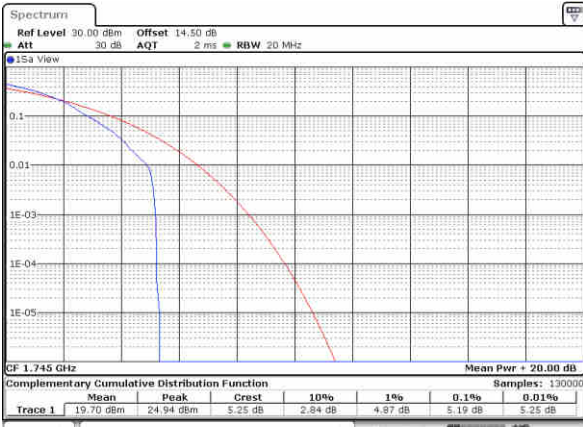
Date: 15, DEC, 2019 00:29:02

Middle Channel / Full RB



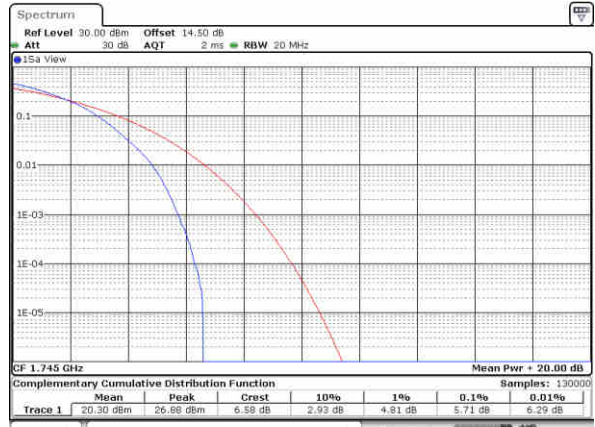
Date: 15, DEC, 2019 00:29:12

Highest Channel / 1RB



Date: 15, DEC, 2019 00:29:22

Highest Channel / Full RB



Date: 15, DEC, 2019 00:29:32



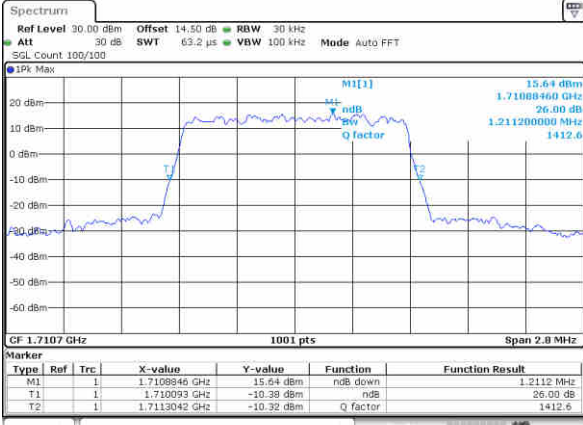
26dB Bandwidth

Mode	LTE Band 4 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.21	1.23	3.01	3.05	4.94	4.88	9.67	9.93	14.39	14.42	18.94	18.78
Middle CH	1.23	1.23	3.03	3.00	4.94	4.94	9.89	9.71	14.54	14.33	18.82	18.98
Highest CH	1.23	1.23	3.02	3.01	4.95	4.84	9.75	9.73	14.24	14.42	19.02	18.90
Mode	LTE Band 4 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.22	-	3.03	-	4.95	-	9.71	-	14.45	-	19.02	-
Middle CH	1.23	-	3.02	-	4.87	-	9.71	-	14.48	-	18.90	-
Highest CH	1.23	-	3.05	-	4.83	-	9.71	-	14.36	-	18.74	-



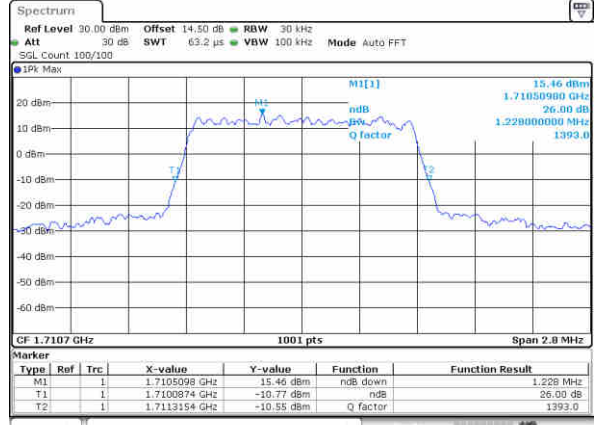
LTE Band 4

Lowest Channel / 1.4MHz / QPSK



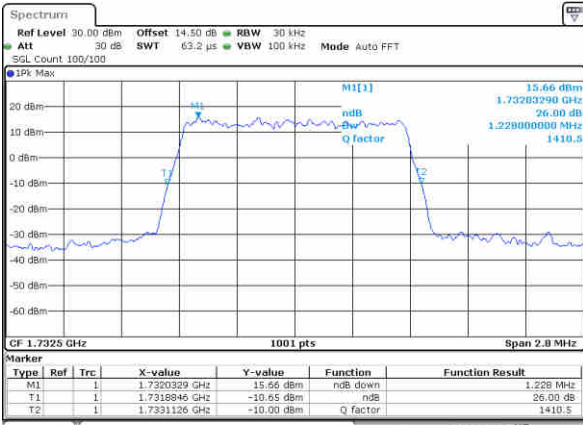
Date: 15, DEC, 2019 00:19:40

Lowest Channel / 1.4MHz / 16QAM



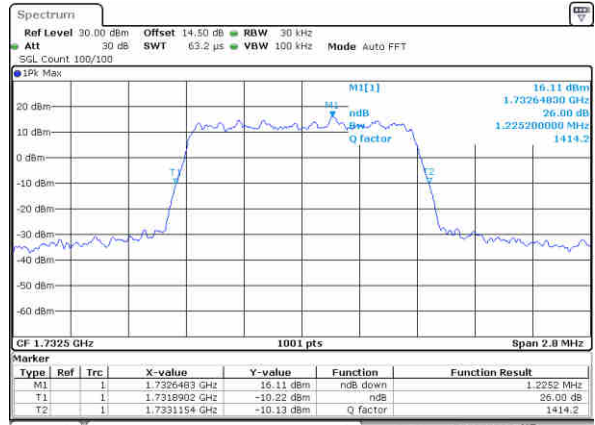
Date: 15, DEC, 2019 00:19:52

Middle Channel / 1.4MHz / QPSK



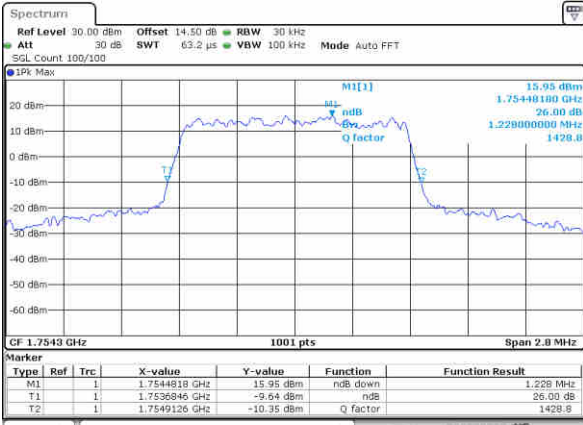
Date: 15, DEC, 2019 00:17:04

Middle Channel / 1.4MHz / 16QAM



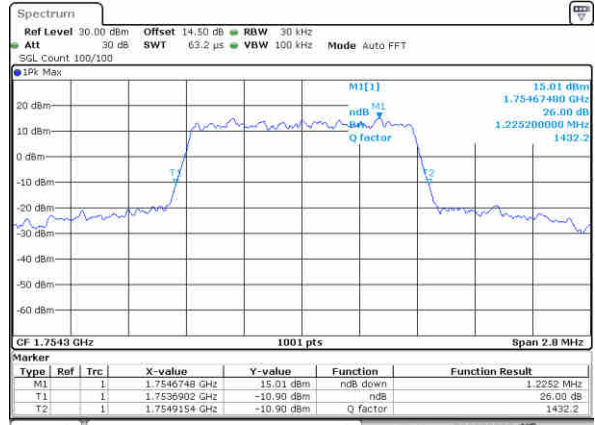
Date: 15, DEC, 2019 00:17:15

Highest Channel / 1.4MHz / QPSK



Date: 15, DEC, 2019 00:19:12

Highest Channel / 1.4MHz / 16QAM

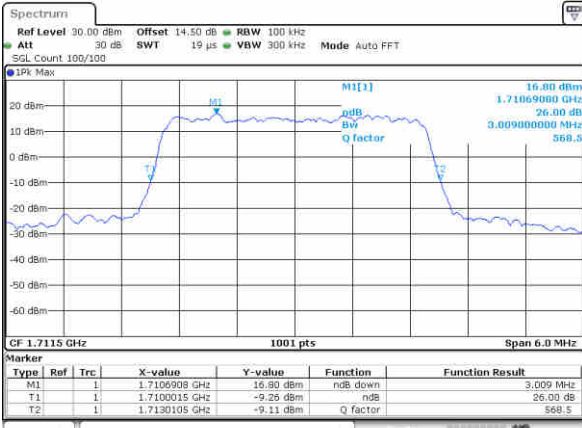


Date: 15, DEC, 2019 00:19:23



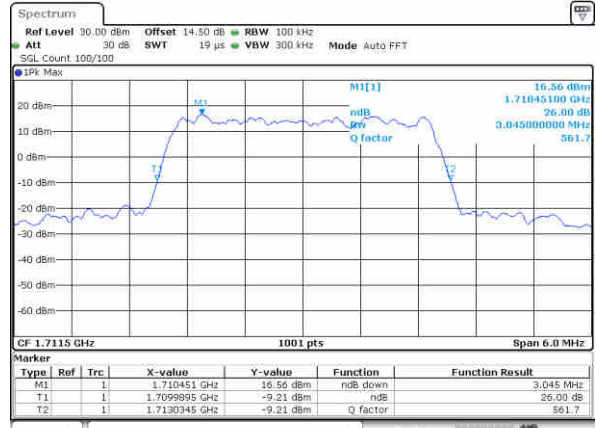
LTE Band 4

Lowest Channel / 3MHz / QPSK



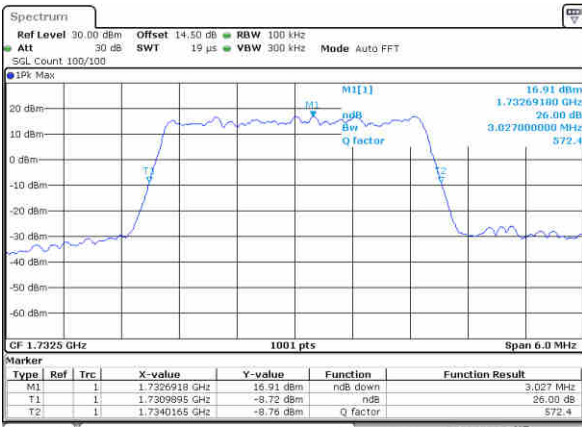
Date: 14, Dec, 2019 21:54:16

Lowest Channel / 3MHz / 16QAM



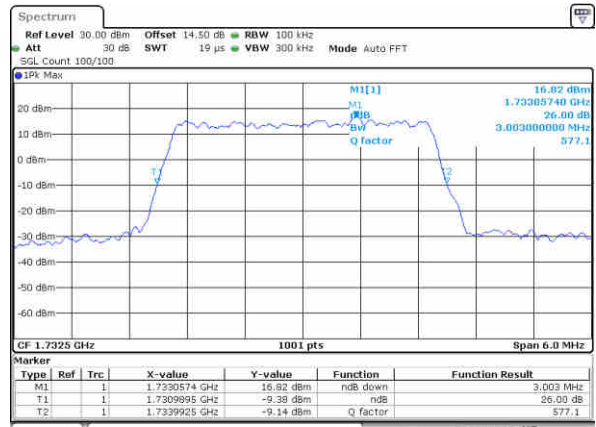
Date: 14, Dec, 2019 21:54:47

Middle Channel / 3MHz / QPSK



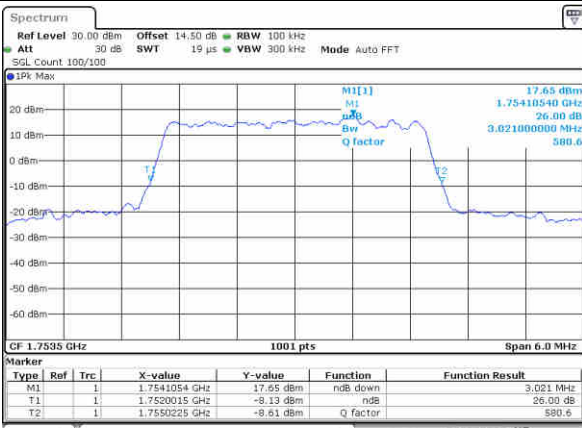
Date: 14, Dec, 2019 22:00:45

Middle Channel / 3MHz / 16QAM



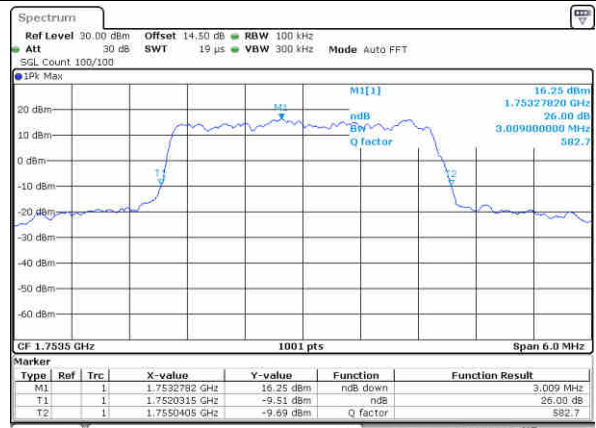
Date: 14, Dec, 2019 22:00:56

Highest Channel / 3MHz / QPSK



Date: 14, Dec, 2019 22:02:53

Highest Channel / 3MHz / 16QAM

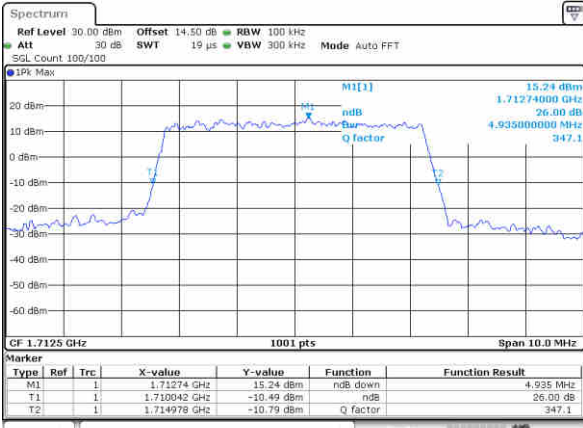


Date: 14, Dec, 2019 22:03:04



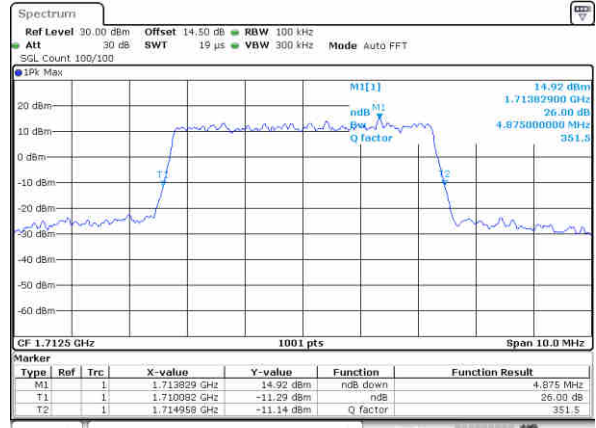
LTE Band 4

Lowest Channel / 5MHz / QPSK



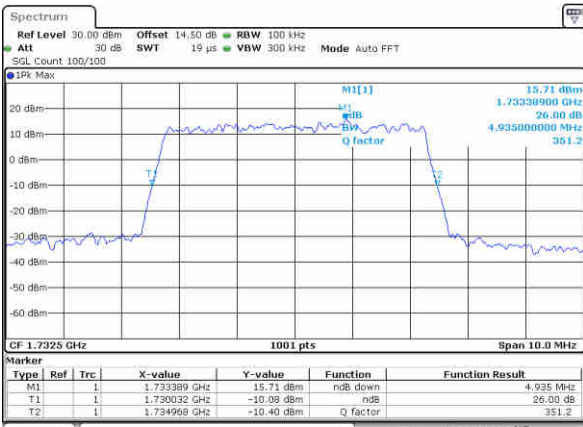
Date: 14, DEC, 2019 22:10:02

Lowest Channel / 5MHz / 16QAM



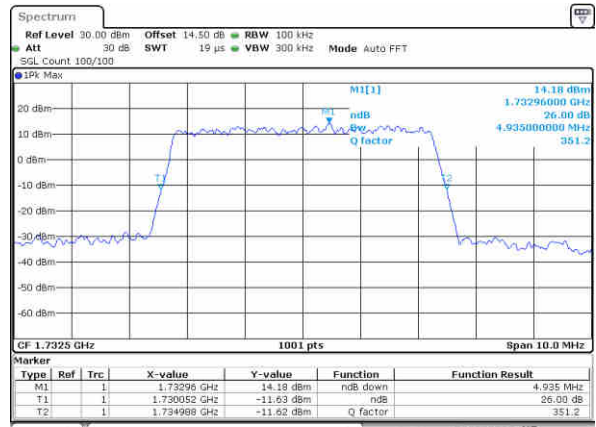
Date: 14, DEC, 2019 22:10:13

Middle Channel / 5MHz / QPSK



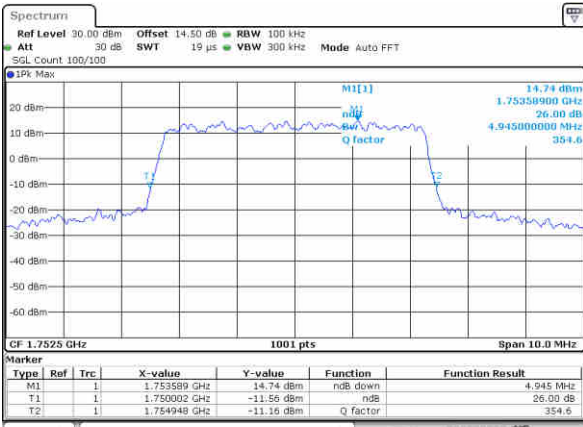
Date: 14, DEC, 2019 22:15:09

Middle Channel / 5MHz / 16QAM



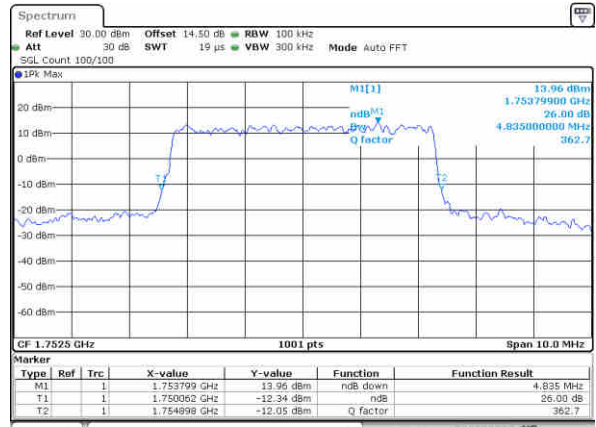
Date: 14, DEC, 2019 22:15:11

Highest Channel / 5MHz / QPSK



Date: 14, DEC, 2019 22:17:18

Highest Channel / 5MHz / 16QAM

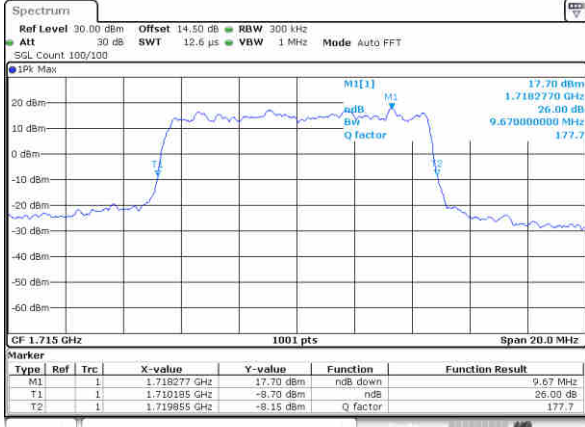


Date: 14, DEC, 2019 22:17:29



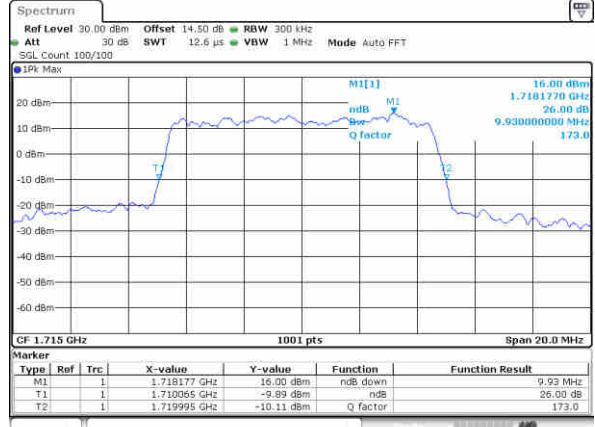
LTE Band 4

Lowest Channel / 10MHz / QPSK



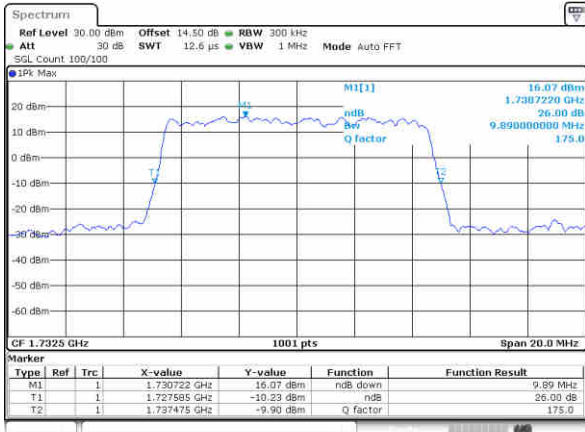
Date: 14, Dec, 2019 22:23:26

Lowest Channel / 10MHz / 16QAM



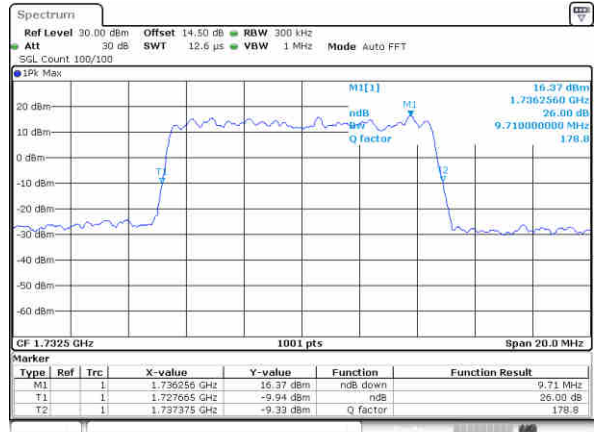
Date: 14, Dec, 2019 22:23:37

Middle Channel / 10MHz / QPSK



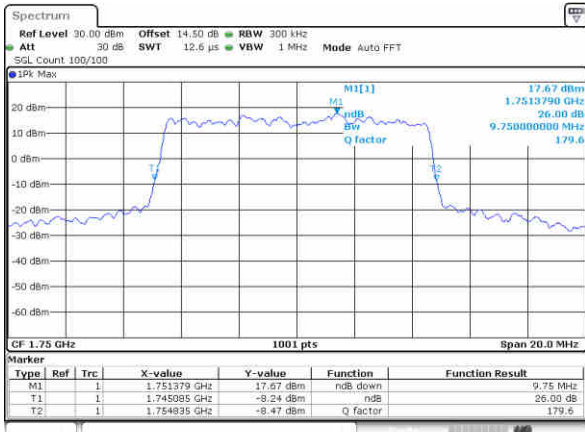
Date: 14, Dec, 2019 22:29:32

Middle Channel / 10MHz / 16QAM



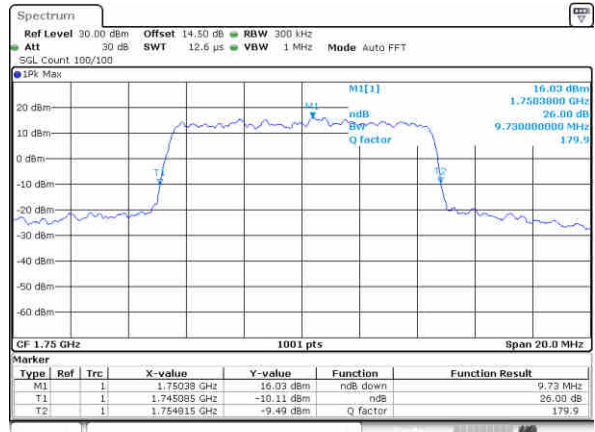
Date: 14, Dec, 2019 22:29:45

Highest Channel / 10MHz / QPSK



Date: 14, Dec, 2019 22:31:41

Highest Channel / 10MHz / 16QAM

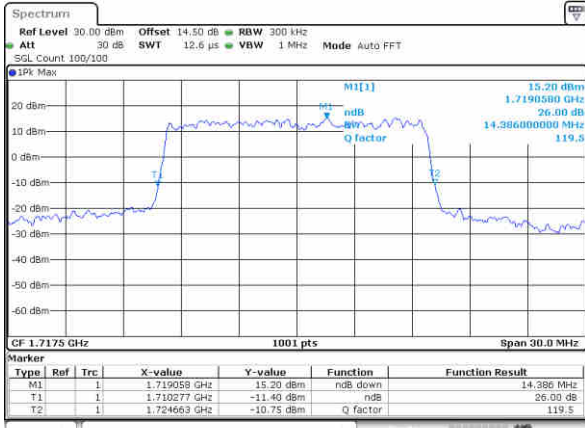


Date: 14, Dec, 2019 22:31:52



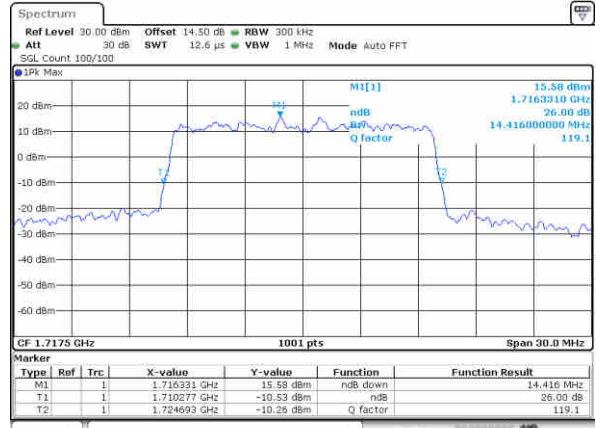
LTE Band 4

Lowest Channel / 15MHz / QPSK



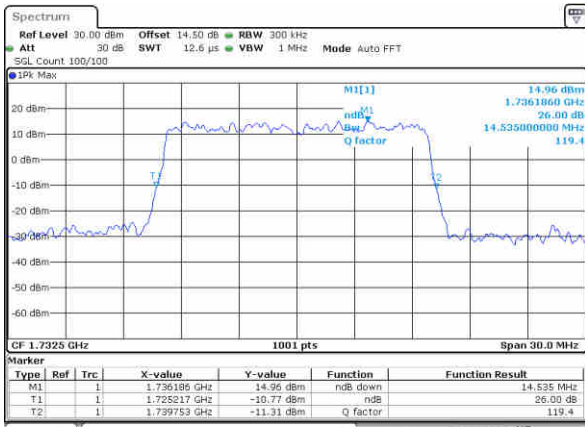
Date: 14_DEC.2019 22:27:49

Lowest Channel / 15MHz / 16QAM



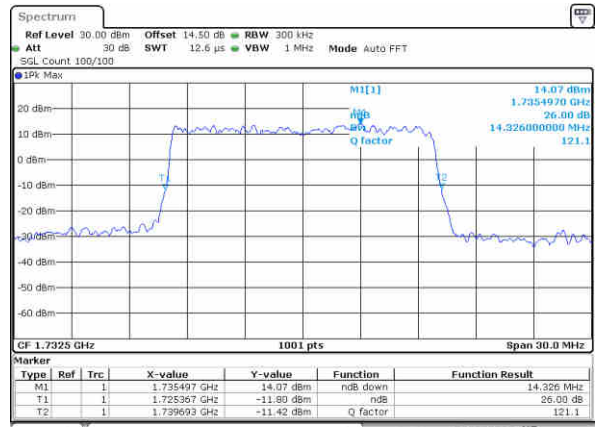
Date: 14_DEC.2019 22:19:00

Middle Channel / 15MHz / QPSK



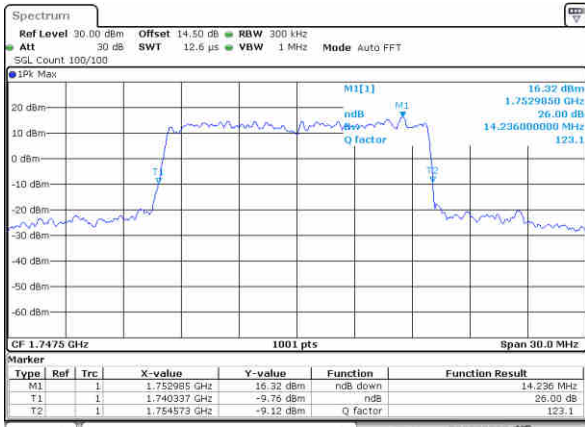
Date: 14_DEC.2019 22:14:57

Middle Channel / 15MHz / 16QAM



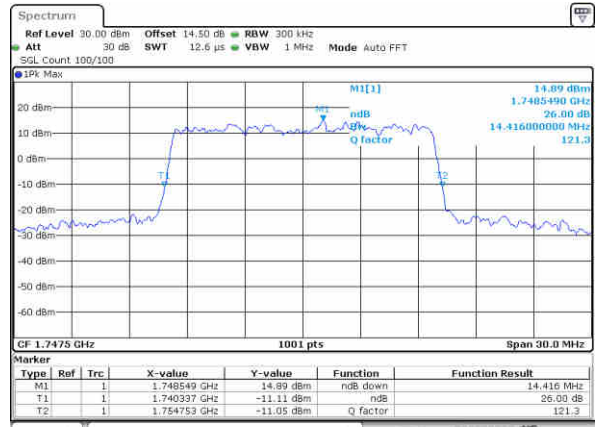
Date: 14_DEC.2019 22:14:08

Highest Channel / 15MHz / QPSK



Date: 14_DEC.2019 22:14:05

Highest Channel / 15MHz / 16QAM

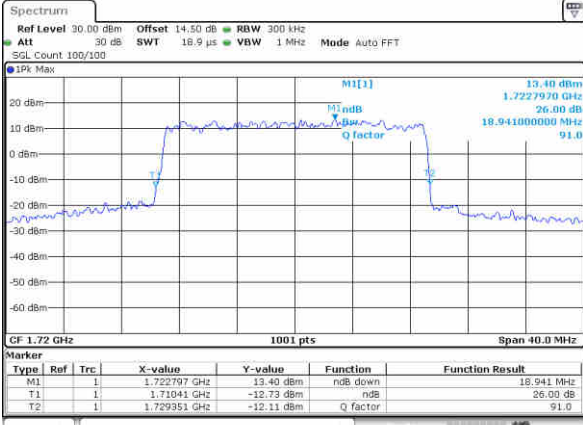


Date: 14_DEC.2019 22:14:07



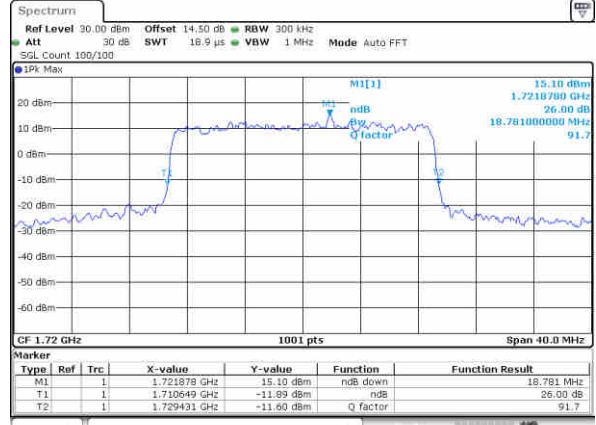
LTE Band 4

Lowest Channel / 20MHz / QPSK



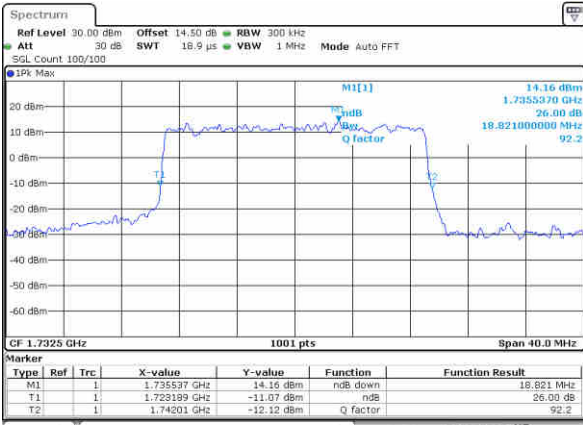
Date: 14, DEC, 2019 22:52:13

Lowest Channel / 20MHz / 16QAM



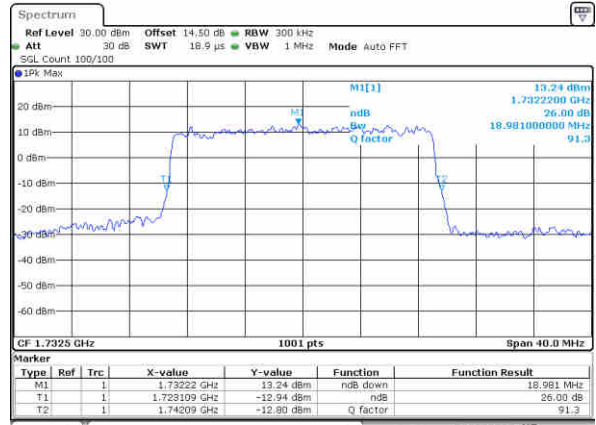
Date: 14, DEC, 2019 22:52:24

Middle Channel / 20MHz / QPSK



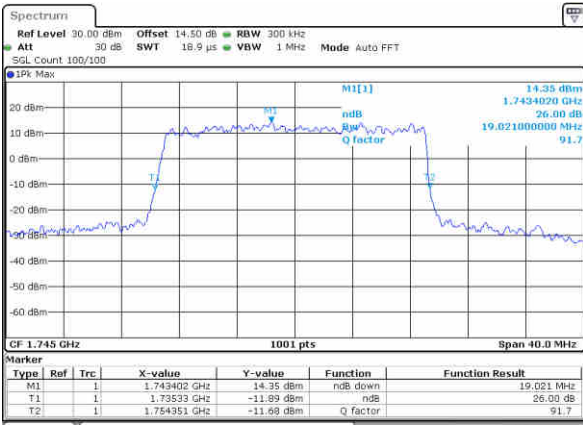
Date: 14, DEC, 2019 22:58:20

Middle Channel / 20MHz / 16QAM



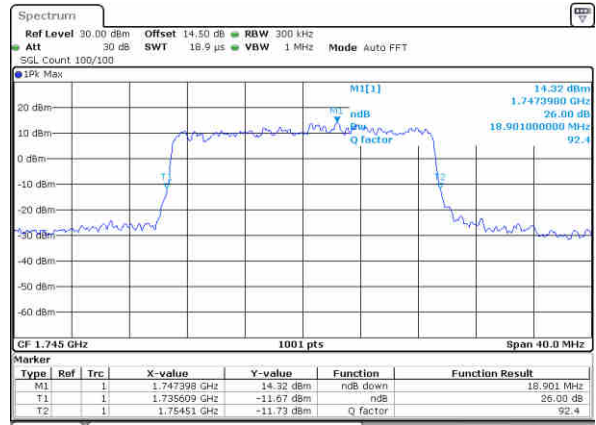
Date: 14, DEC, 2019 22:58:32

Highest Channel / 20MHz / QPSK



Date: 14, DEC, 2019 23:00:28

Highest Channel / 20MHz / 16QAM

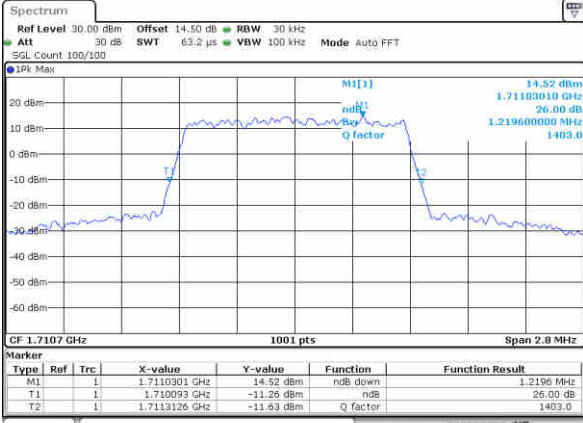


Date: 14, DEC, 2019 23:00:39



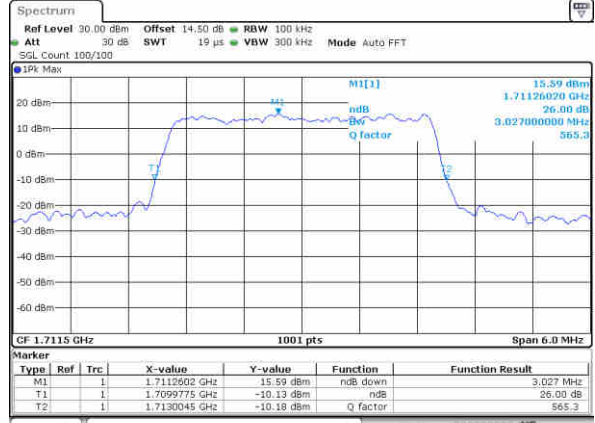
LTE Band 4

Lowest Channel / 1.4MHz / 64QAM



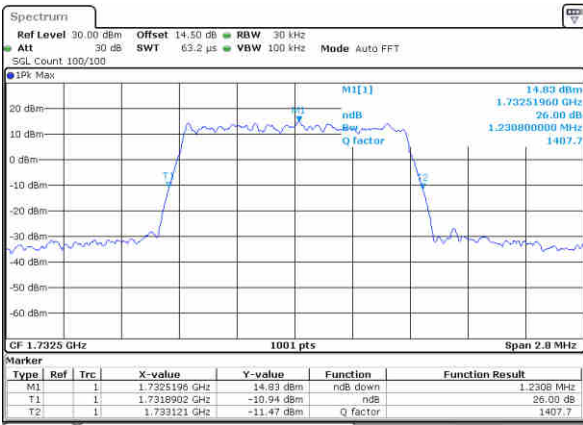
Date: 14, DEC, 2019 23:49:57

Lowest Channel / 3MHz / 64QAM



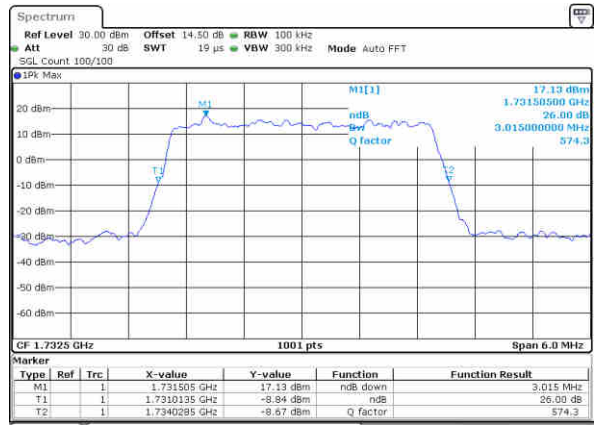
Date: 14, DEC, 2019 23:06:25

Middle Channel / 1.4MHz / 64QAM



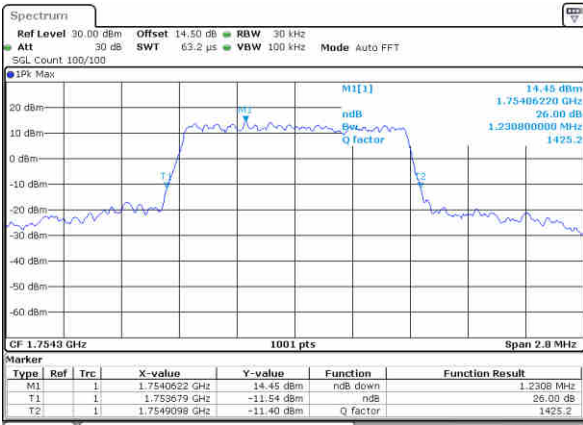
Date: 14, DEC, 2019 23:53:07

Middle Channel / 3MHz / 64QAM



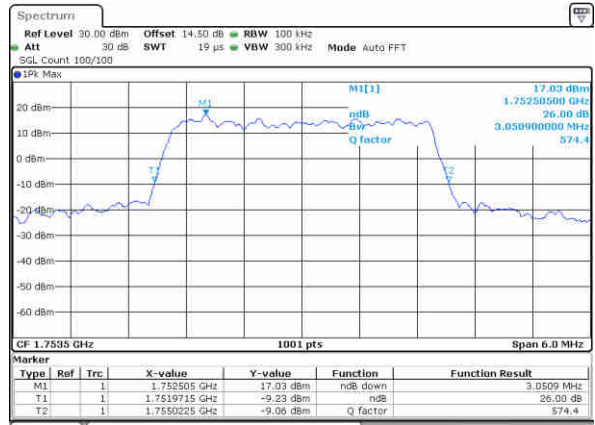
Date: 14, DEC, 2019 23:06:29

Highest Channel / 1.4MHz / 64QAM



Date: 14, DEC, 2019 23:54:11

Highest Channel / 3MHz / 64QAM

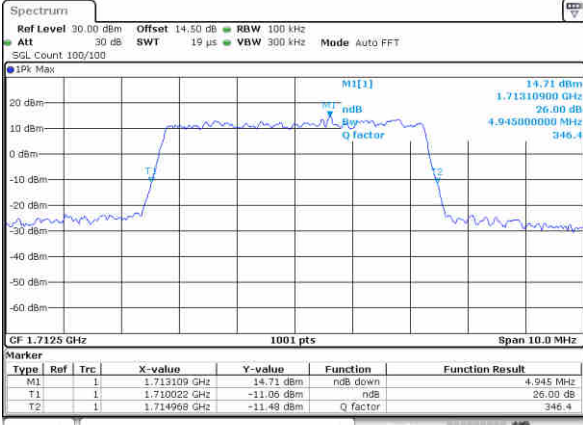


Date: 14, DEC, 2019 23:10:33



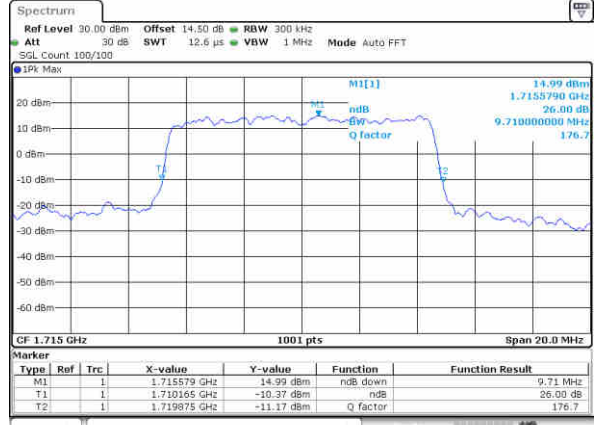
LTE Band 4

Lowest Channel / 5MHz / 64QAM



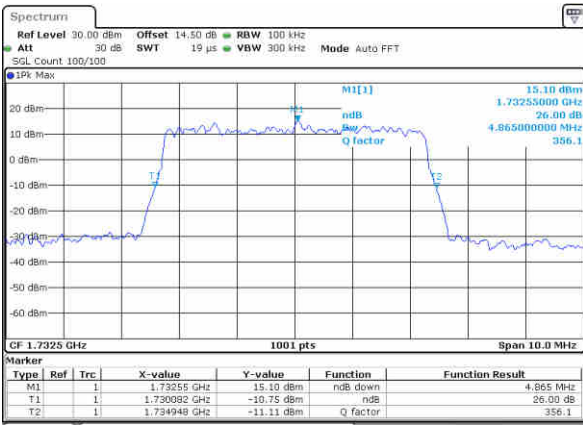
Date: 14, DEC, 2019 23:13:37

Lowest Channel / 10MHz / 64QAM



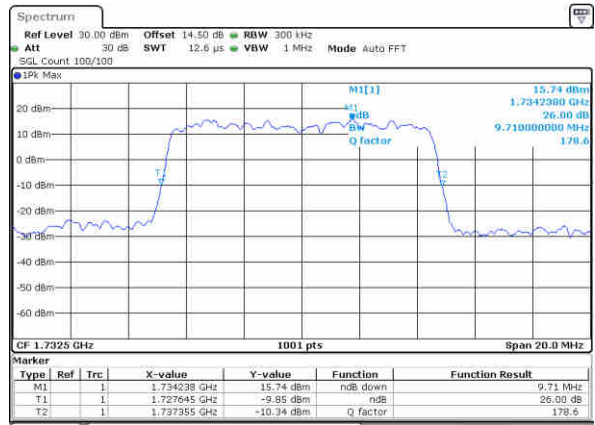
Date: 14, DEC, 2019 23:12:48

Middle Channel / 5MHz / 64QAM



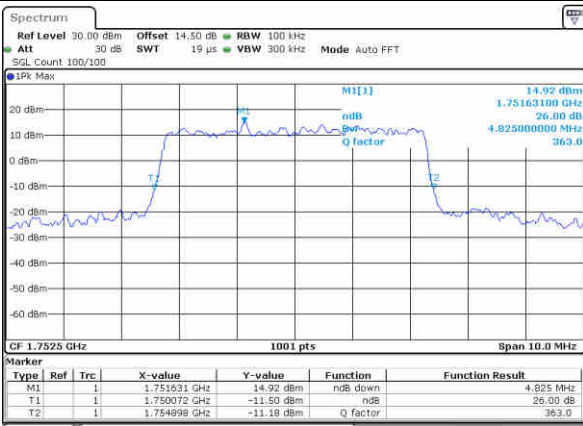
Date: 14, DEC, 2019 23:16:40

Middle Channel / 10MHz / 64QAM



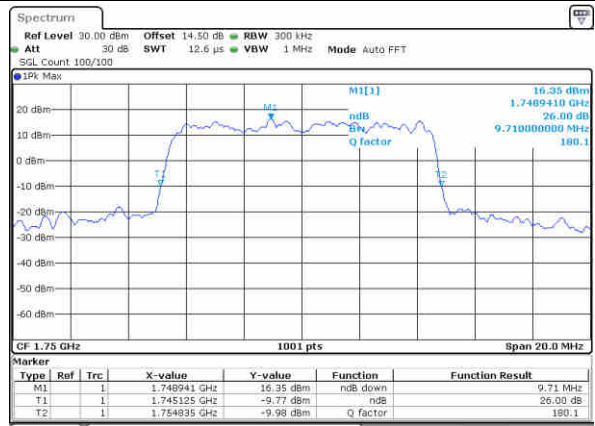
Date: 14, DEC, 2019 23:12:57

Highest Channel / 5MHz / 64QAM



Date: 14, DEC, 2019 23:17:44

Highest Channel / 10MHz / 64QAM

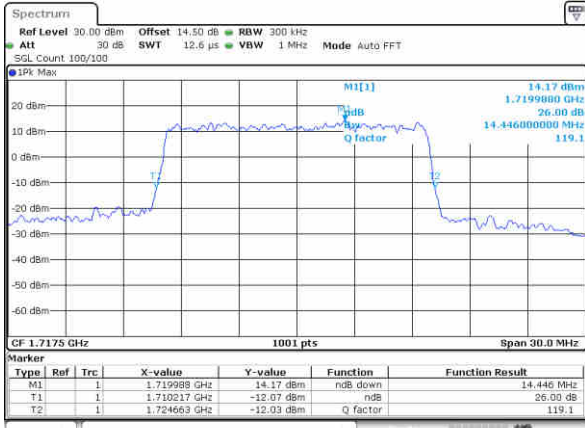


Date: 14, DEC, 2019 23:12:10



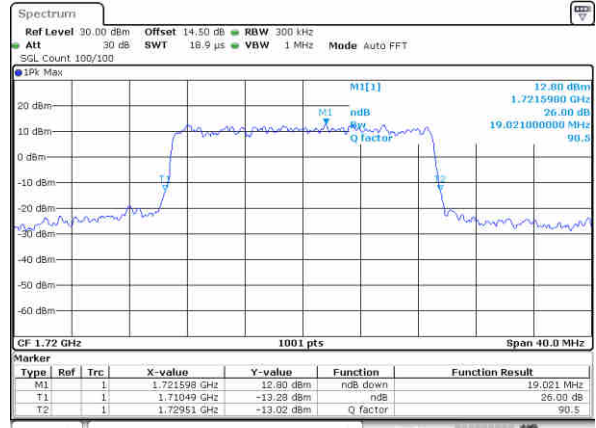
LTE Band 4

Lowest Channel / 15MHz / 64QAM



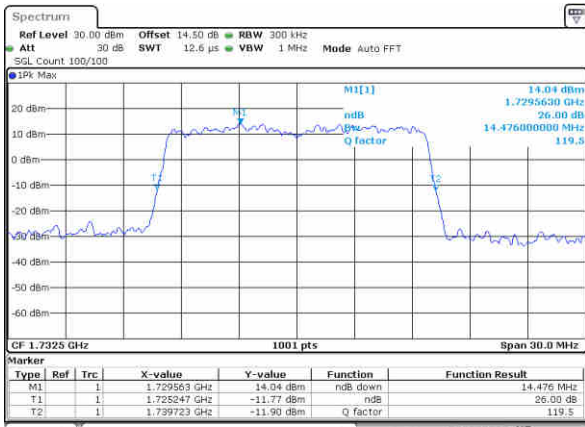
Date: 14, Dec, 2019 23:35:14

Lowest Channel / 20MHz / 64QAM



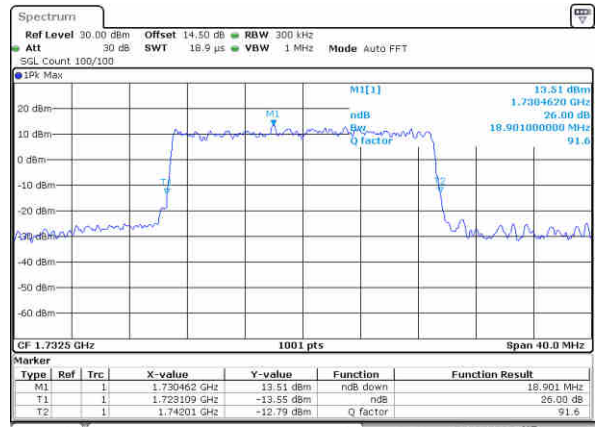
Date: 14, Dec, 2019 23:42:45

Middle Channel / 15MHz / 64QAM



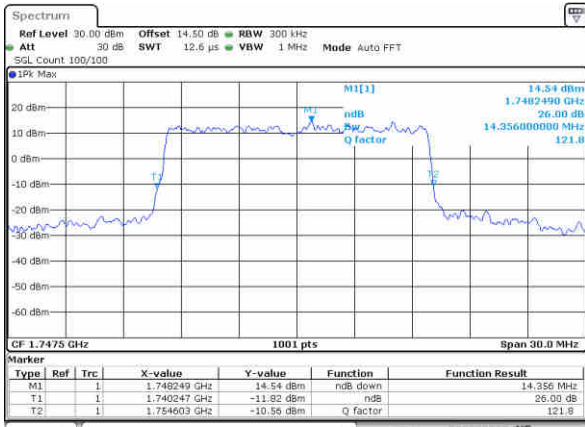
Date: 14, Dec, 2019 23:38:38

Middle Channel / 20MHz / 64QAM



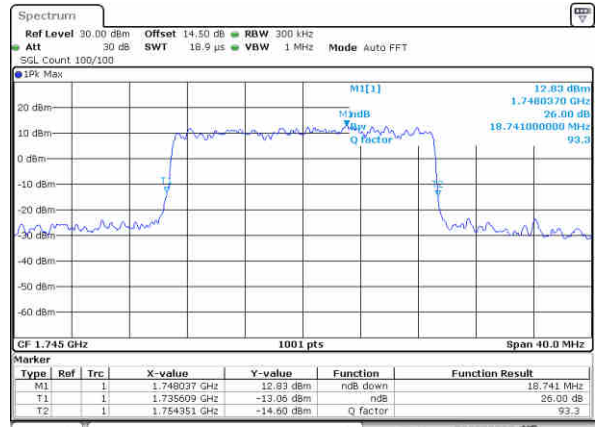
Date: 14, Dec, 2019 23:45:49

Highest Channel / 15MHz / 64QAM



Date: 14, Dec, 2019 23:39:42

Highest Channel / 20MHz / 64QAM



Date: 14, Dec, 2019 23:46:53



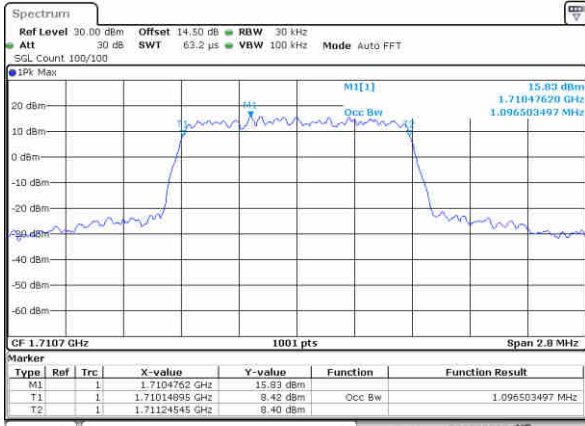
Occupied Bandwidth

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	1.10	1.10	2.72	2.72	4.48	4.51	8.99	8.95	13.40	13.49	17.86	17.90
Middle CH	1.09	1.09	2.72	2.75	4.49	4.50	8.99	8.97	13.40	13.49	17.86	17.82
Highest CH	1.09	1.09	2.73	2.71	4.48	4.49	9.03	9.01	13.49	13.40	17.82	17.82
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	-	2.72	-	4.50	-	8.95	-	13.49	-	17.86	-
Middle CH	1.09	-	2.73	-	4.48	-	8.99	-	13.43	-	17.86	-
Highest CH	1.09	-	2.74	-	4.49	-	8.99	-	13.40	-	17.94	-



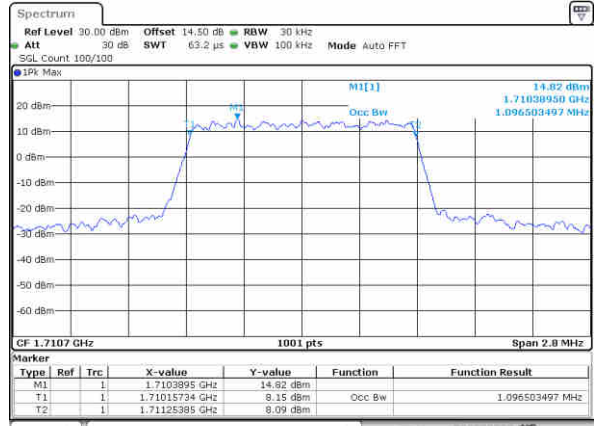
LTE Band 4

Lowest Channel / 1.4MHz / QPSK



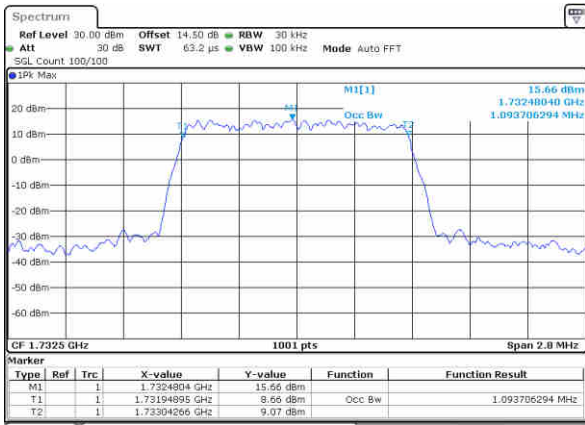
Date: 15, DEC, 2019 00:10:15

Lowest Channel / 1.4MHz / 16QAM



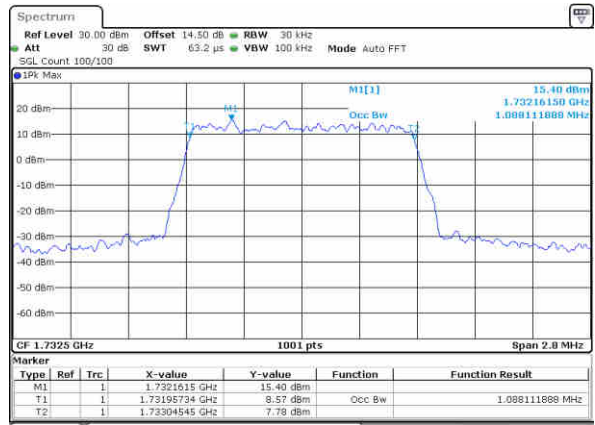
Date: 15, DEC, 2019 00:10:28

Middle Channel / 1.4MHz / QPSK



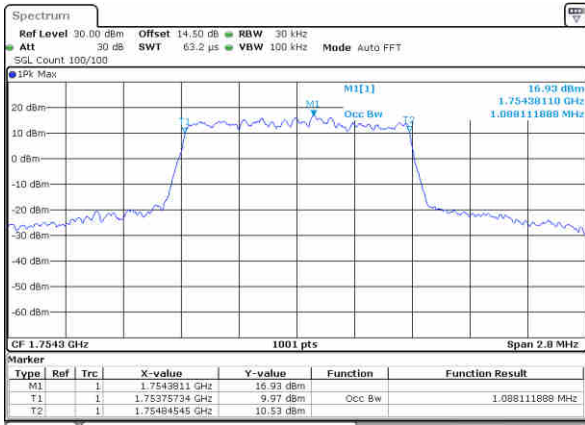
Date: 15, DEC, 2019 00:16:42

Middle Channel / 1.4MHz / 16QAM



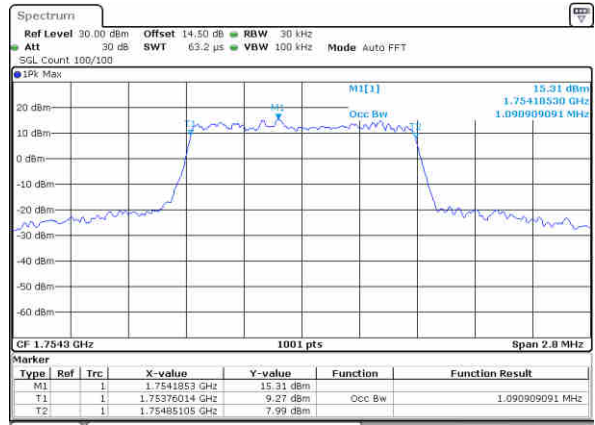
Date: 15, DEC, 2019 00:16:53

Highest Channel / 1.4MHz / QPSK



Date: 15, DEC, 2019 00:18:50

Highest Channel / 1.4MHz / 16QAM

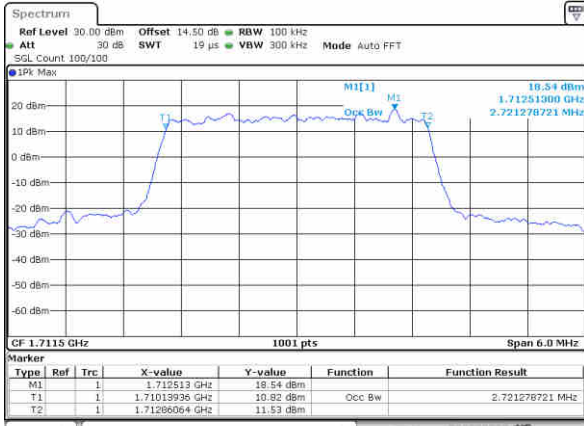


Date: 15, DEC, 2019 00:19:01



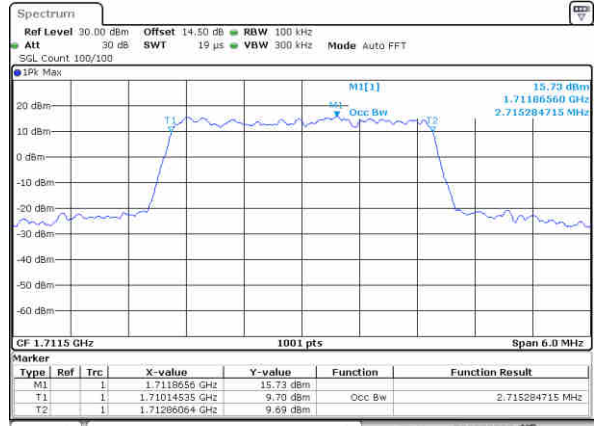
LTE Band 4

Lowest Channel / 3MHz / QPSK



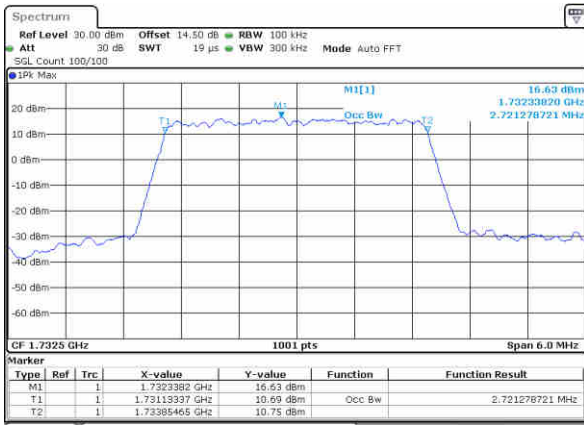
Date: 14, DEC, 2019 21:54:13

Lowest Channel / 3MHz / 16QAM



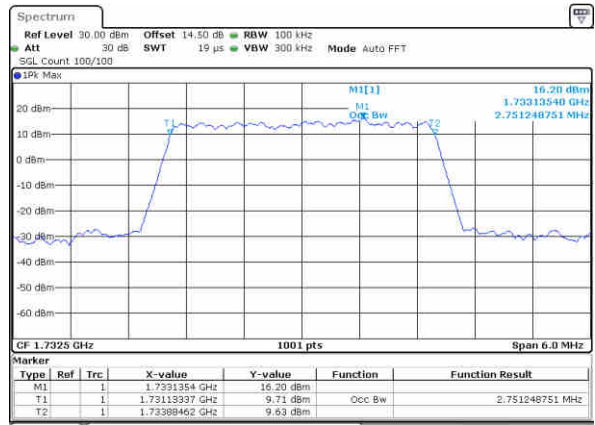
Date: 14, DEC, 2019 21:54:24

Middle Channel / 3MHz / QPSK



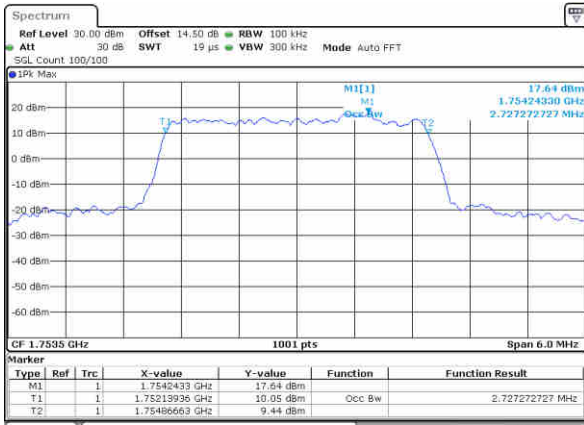
Date: 14, DEC, 2019 22:00:23

Middle Channel / 3MHz / 16QAM



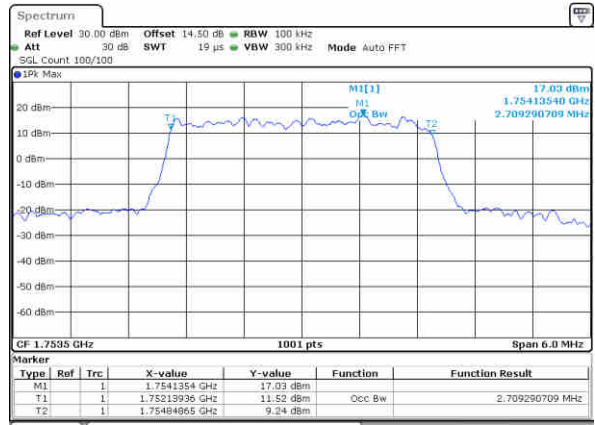
Date: 14, DEC, 2019 22:00:34

Highest Channel / 3MHz / QPSK



Date: 14, DEC, 2019 22:02:33

Highest Channel / 3MHz / 16QAM

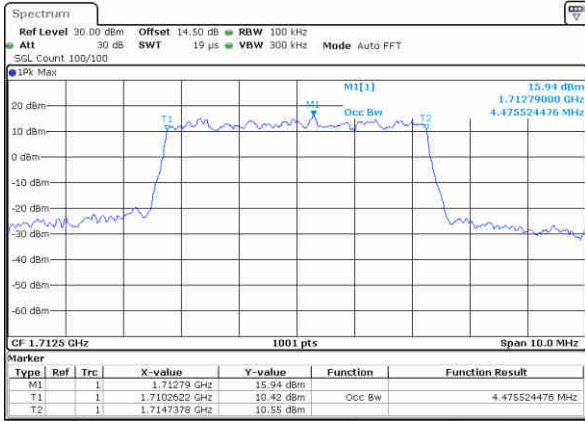


Date: 14, DEC, 2019 22:02:42



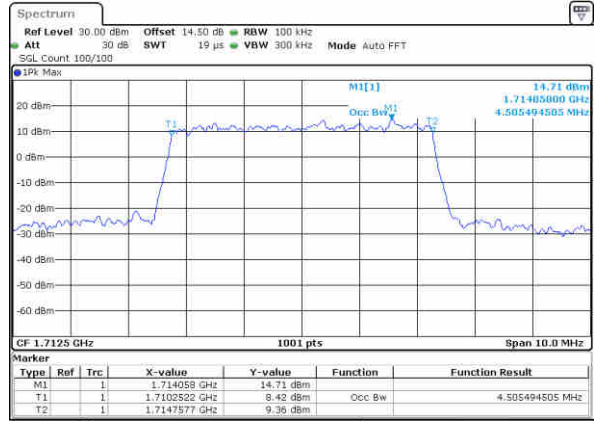
LTE Band 4

Lowest Channel / 5MHz / QPSK



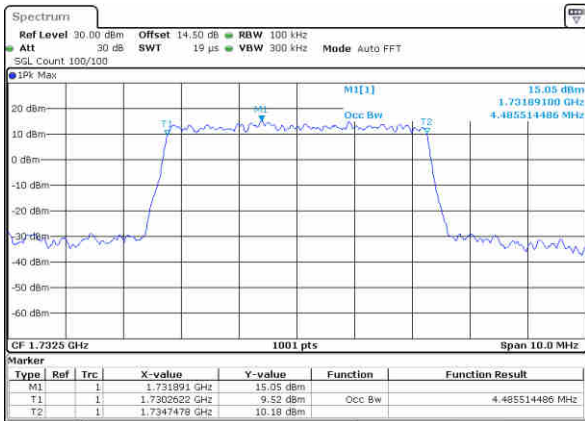
Date: 14, DEC, 2019 22:10:39

Lowest Channel / 5MHz / 16QAM



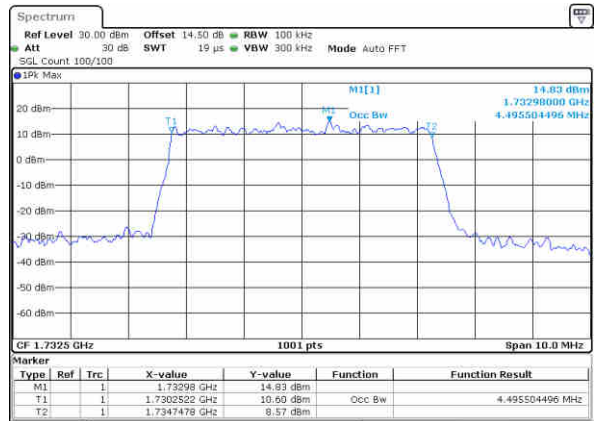
Date: 14, DEC, 2019 22:10:51

Middle Channel / 5MHz / QPSK



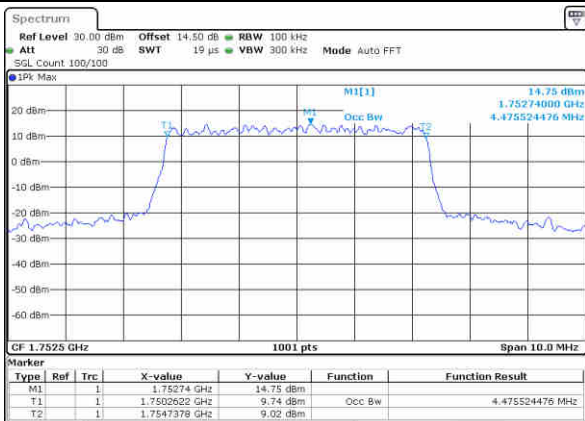
Date: 14, DEC, 2019 22:14:47

Middle Channel / 5MHz / 16QAM



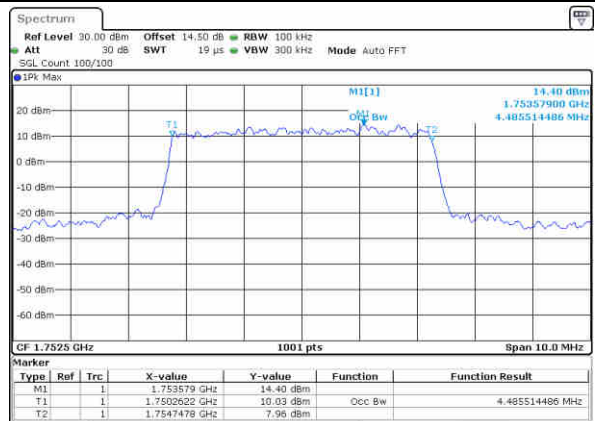
Date: 14, DEC, 2019 22:14:58

Highest Channel / 5MHz / QPSK



Date: 14, DEC, 2019 22:16:55

Highest Channel / 5MHz / 16QAM

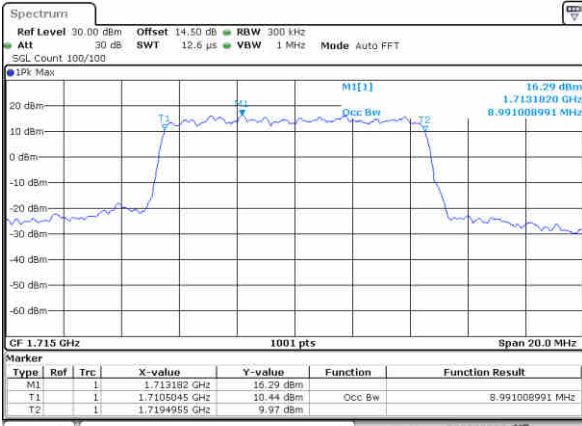


Date: 14, DEC, 2019 22:17:06



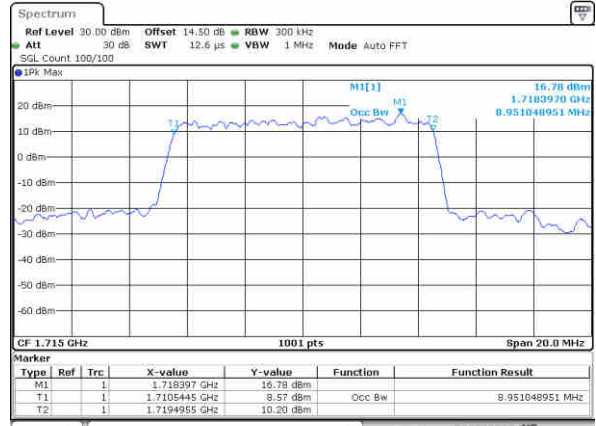
LTE Band 4

Lowest Channel / 10MHz / QPSK



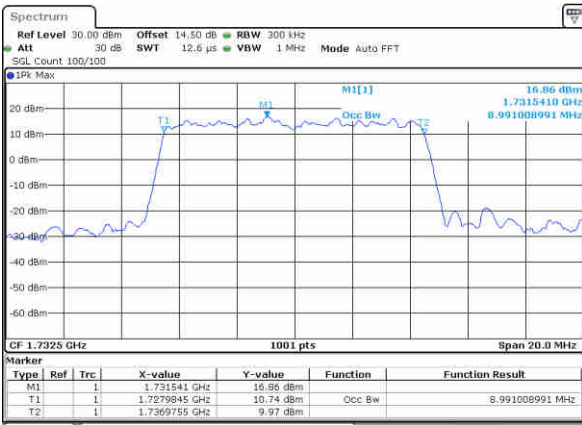
Date: 14, DEC, 2019 22:23:03

Lowest Channel / 10MHz / 16QAM



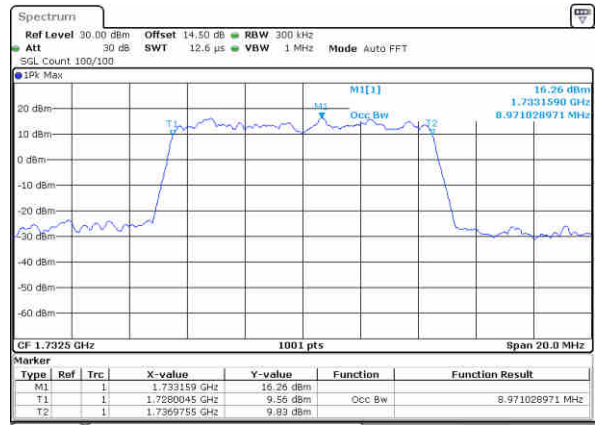
Date: 14, DEC, 2019 22:23:15

Middle Channel / 10MHz / QPSK



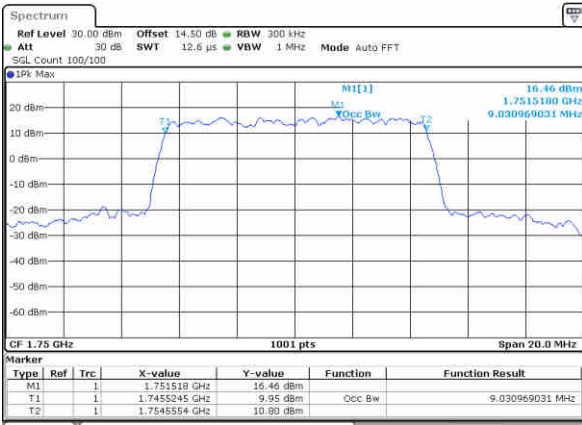
Date: 14, DEC, 2019 22:29:11

Middle Channel / 10MHz / 16QAM



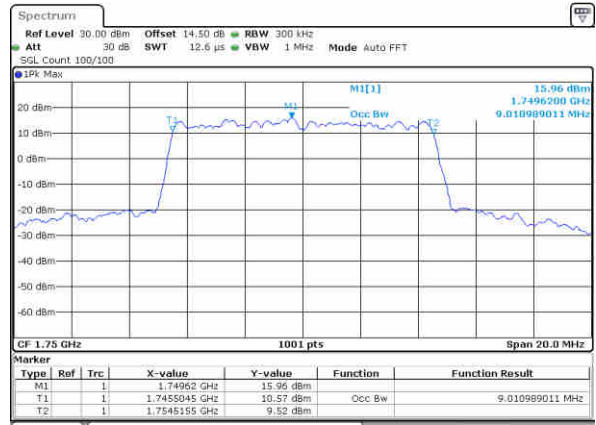
Date: 14, DEC, 2019 22:29:22

Highest Channel / 10MHz / QPSK



Date: 14, DEC, 2019 22:31:19

Highest Channel / 10MHz / 16QAM

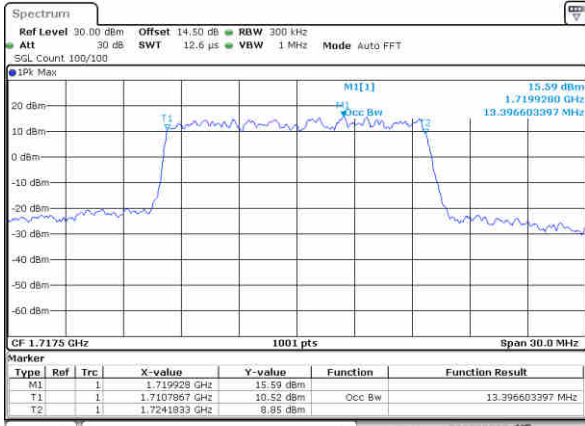


Date: 14, DEC, 2019 22:31:30



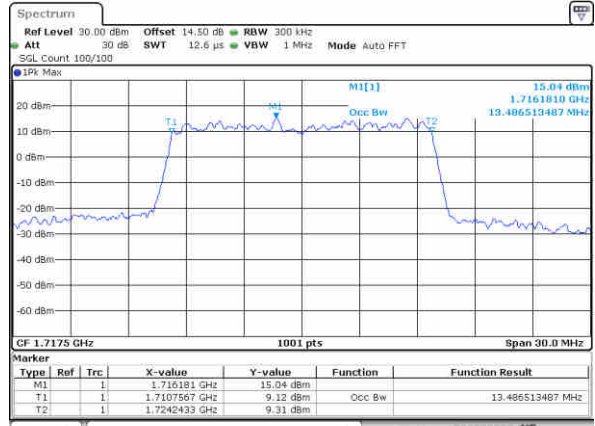
LTE Band 4

Lowest Channel / 15MHz / QPSK



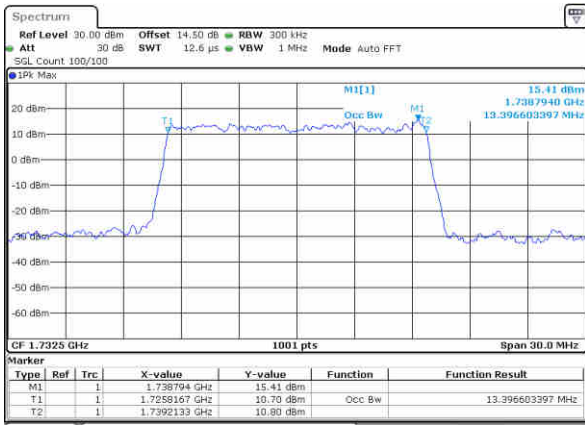
Date: 14, Dec, 2019 22:27:27

Lowest Channel / 15MHz / 16QAM



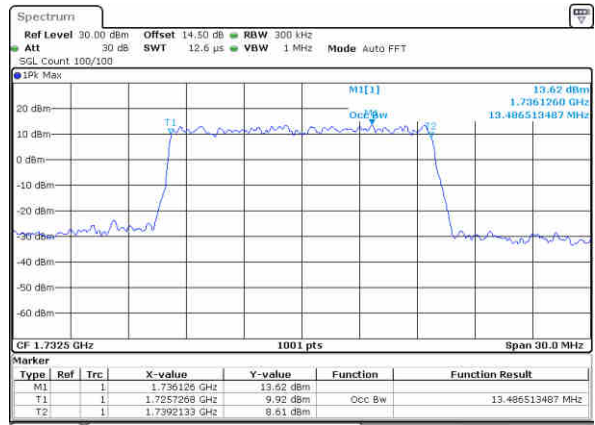
Date: 14, Dec, 2019 22:27:39

Middle Channel / 15MHz / QPSK



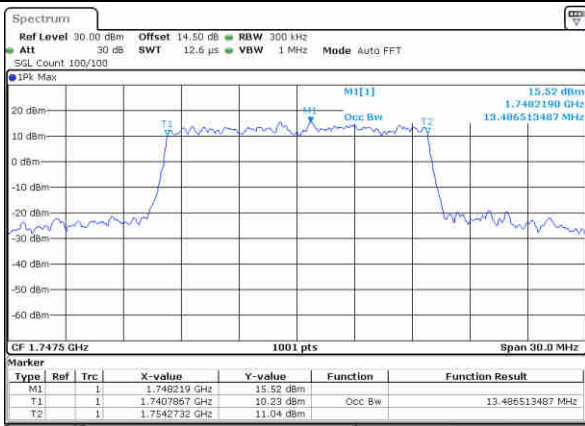
Date: 14, Dec, 2019 22:43:35

Middle Channel / 15MHz / 16QAM



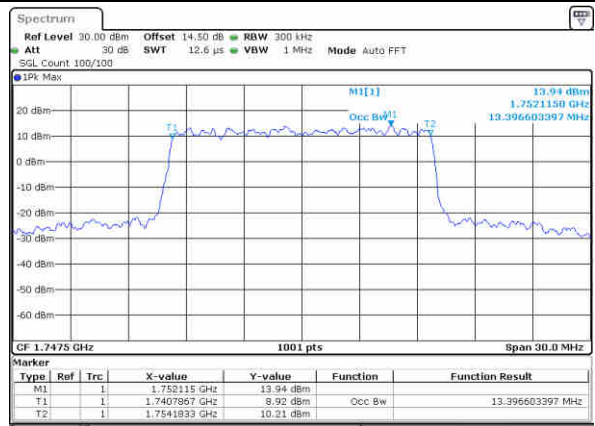
Date: 14, Dec, 2019 22:43:46

Highest Channel / 15MHz / QPSK



Date: 14, Dec, 2019 22:45:43

Highest Channel / 15MHz / 16QAM

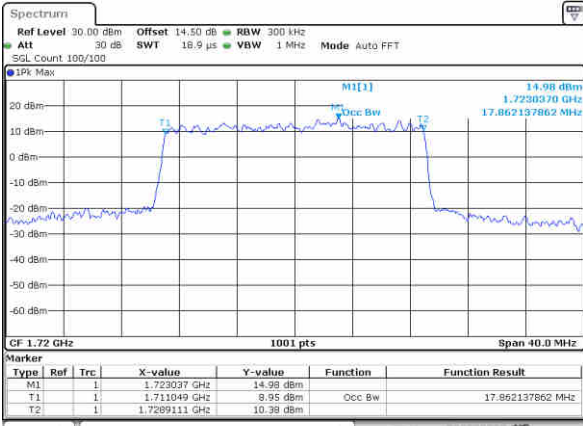


Date: 14, Dec, 2019 22:45:54



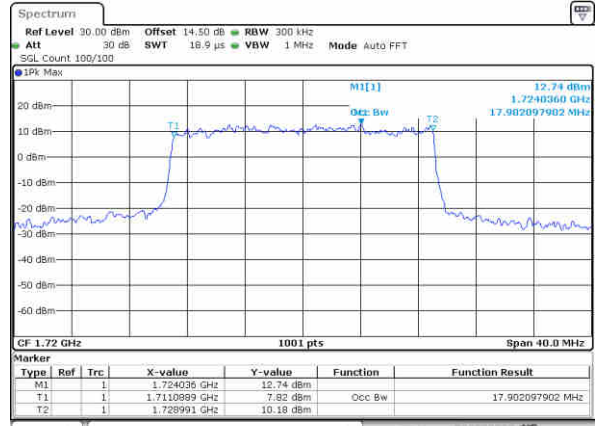
LTE Band 4

Lowest Channel / 20MHz / QPSK



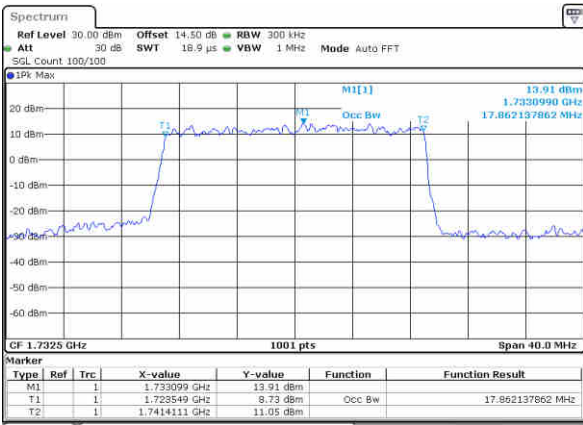
Date: 14, DEC, 2019 22:51:51

Lowest Channel / 20MHz / 16QAM



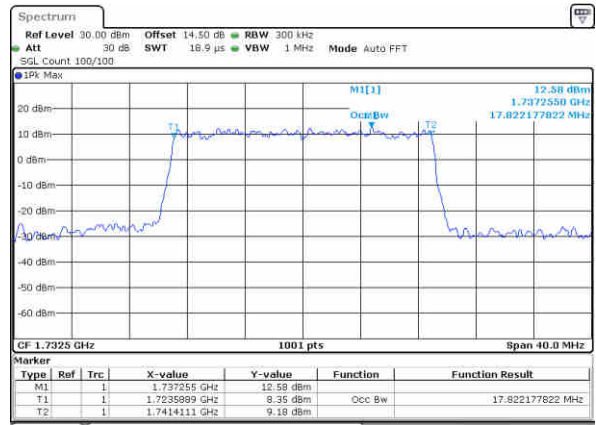
Date: 14, DEC, 2019 22:52:02

Middle Channel / 20MHz / QPSK



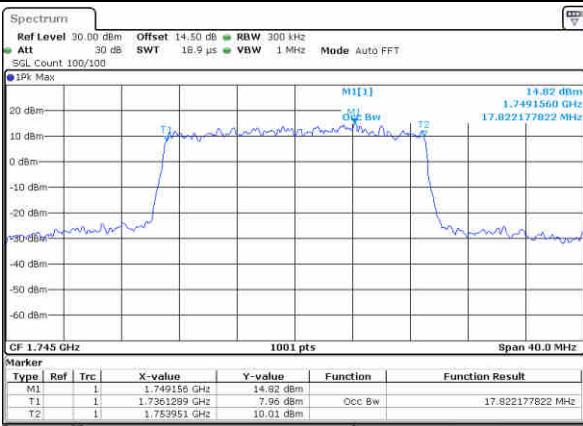
Date: 14, DEC, 2019 22:57:08

Middle Channel / 20MHz / 16QAM



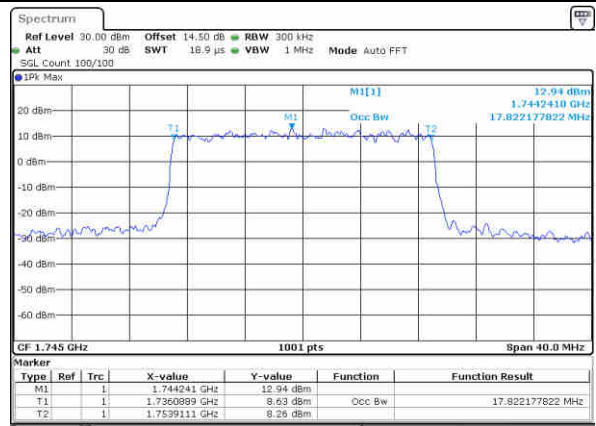
Date: 14, DEC, 2019 22:58:09

Highest Channel / 20MHz / QPSK



Date: 14, DEC, 2019 23:00:06

Highest Channel / 20MHz / 16QAM

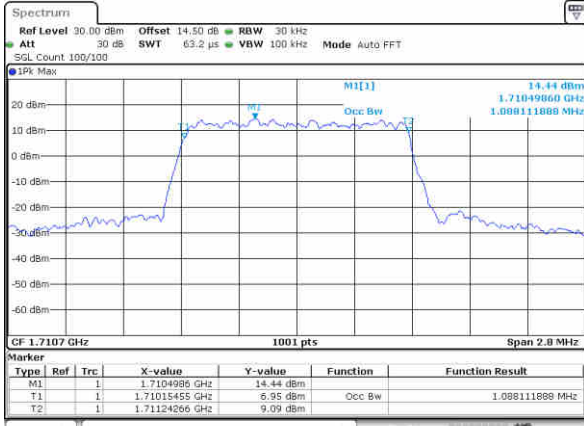


Date: 14, DEC, 2019 23:00:17



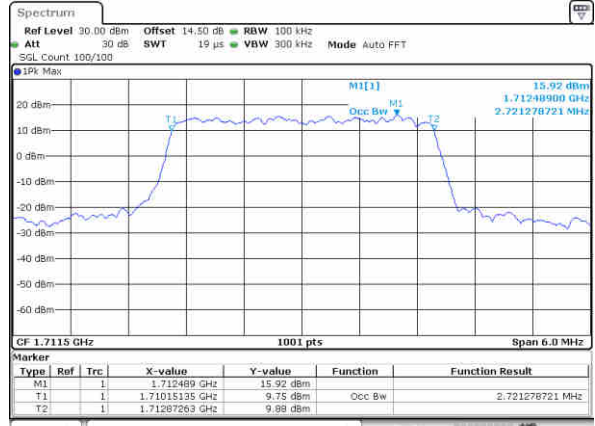
LTE Band 4

Lowest Channel / 1.4MHz / 64QAM



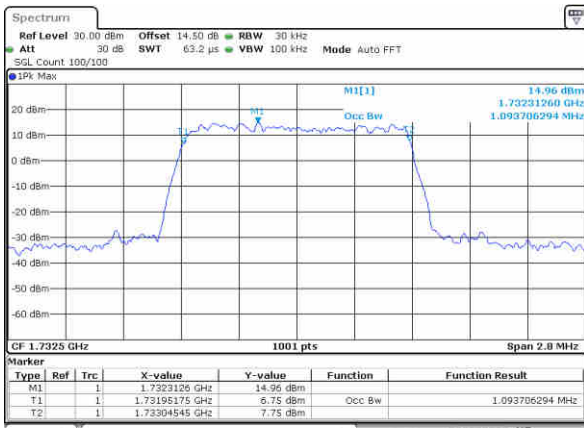
Date: 14_DEC.2019 23:49:46

Lowest Channel / 3MHz / 64QAM



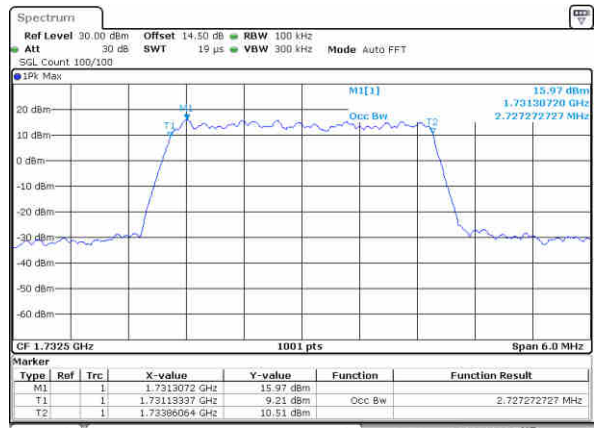
Date: 14_DEC.2019 23:10:13

Middle Channel / 1.4MHz / 64QAM



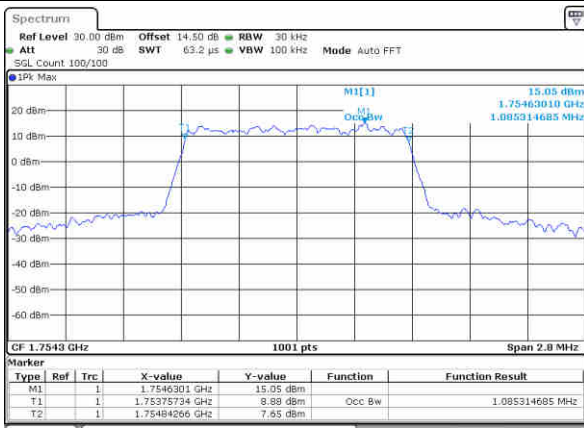
Date: 14_DEC.2019 23:52:06

Middle Channel / 3MHz / 64QAM



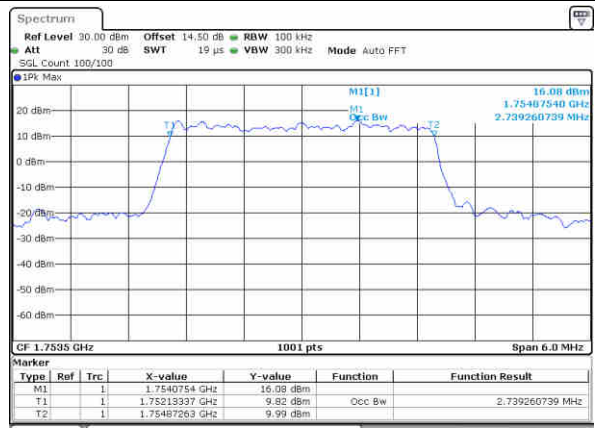
Date: 14_DEC.2019 23:10:17

Highest Channel / 1.4MHz / 64QAM



Date: 14_DEC.2019 23:54:00

Highest Channel / 3MHz / 64QAM

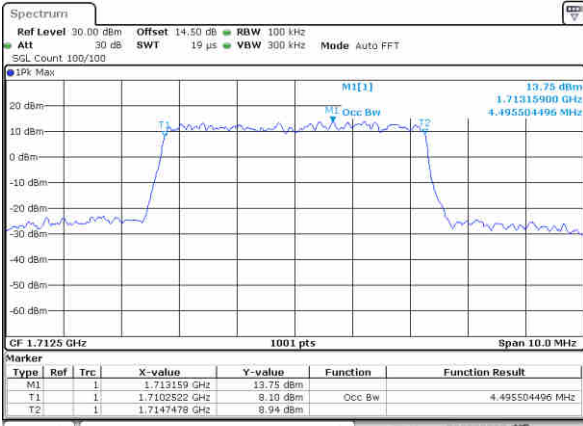


Date: 14_DEC.2019 23:10:22



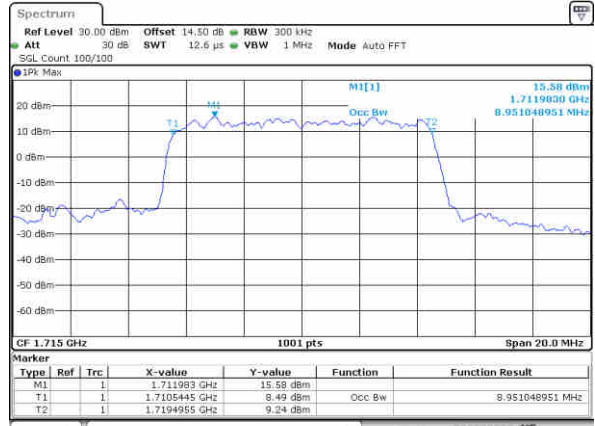
LTE Band 4

Lowest Channel / 5MHz / 64QAM



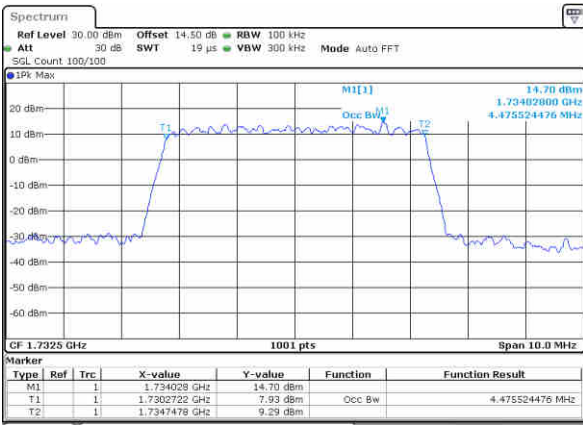
Date: 14, DEC, 2019 23:13:25

Lowest Channel / 10MHz / 64QAM



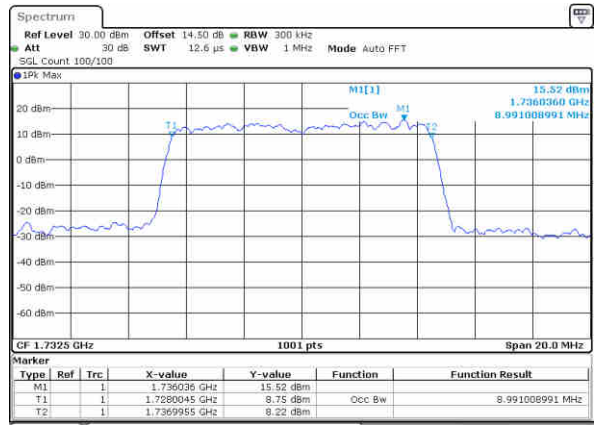
Date: 14, DEC, 2019 23:20:17

Middle Channel / 5MHz / 64QAM



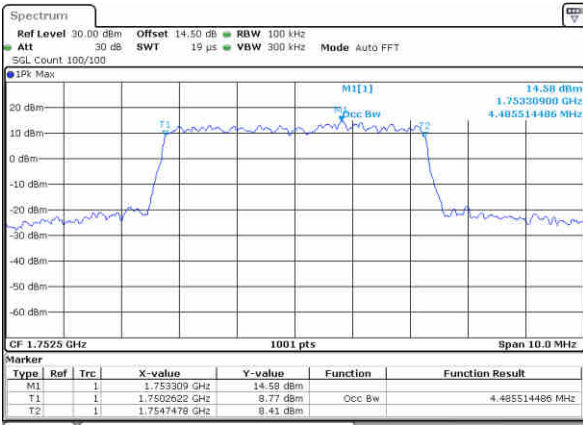
Date: 14, DEC, 2019 23:16:29

Middle Channel / 10MHz / 64QAM



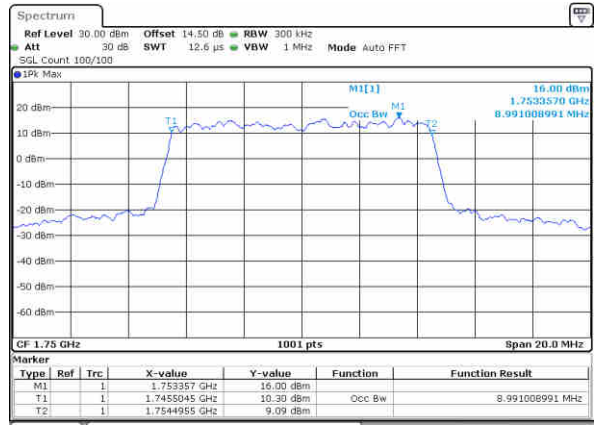
Date: 14, DEC, 2019 23:21:16

Highest Channel / 5MHz / 64QAM



Date: 14, DEC, 2019 23:17:33

Highest Channel / 10MHz / 64QAM

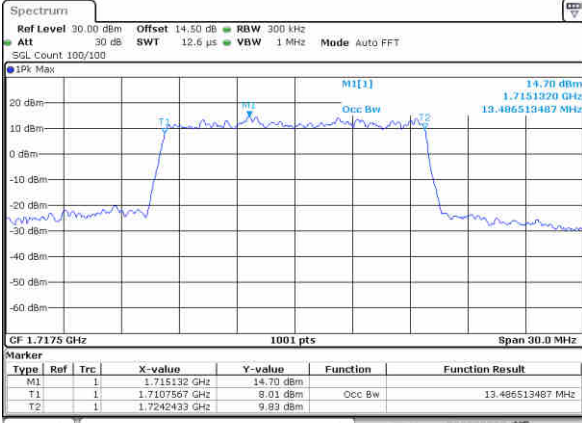


Date: 14, DEC, 2019 23:22:19



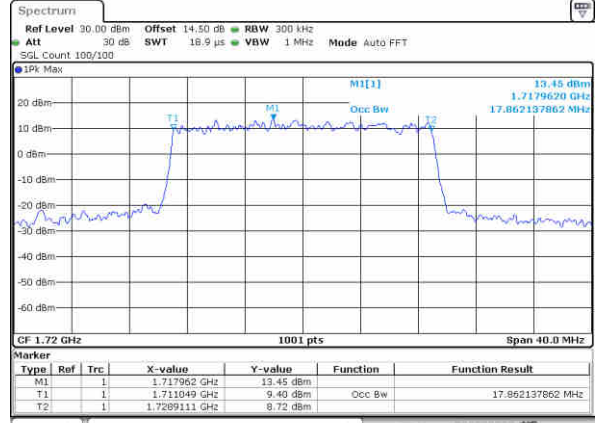
LTE Band 4

Lowest Channel / 15MHz / 64QAM



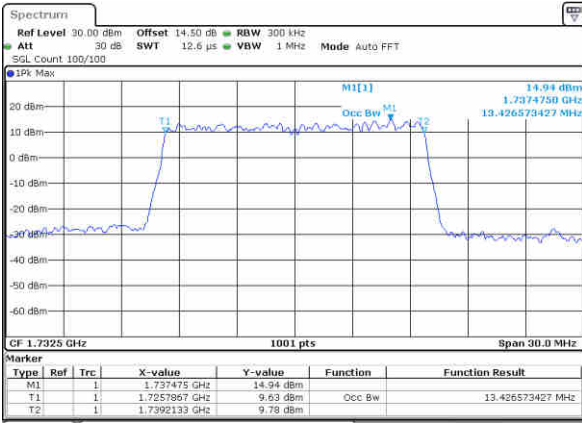
Date: 14, DEC, 2019 23:35:23

Lowest Channel / 20MHz / 64QAM



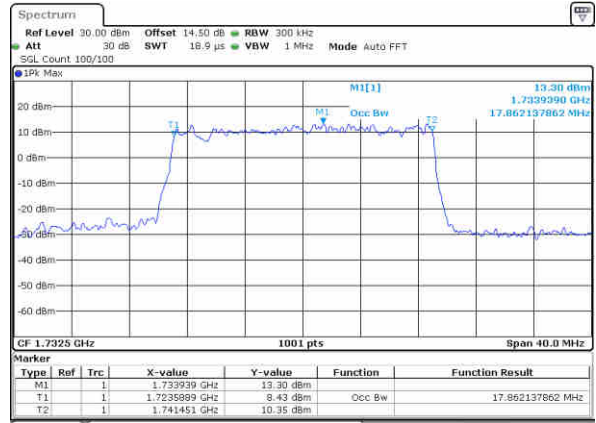
Date: 14, DEC, 2019 23:42:34

Middle Channel / 15MHz / 64QAM



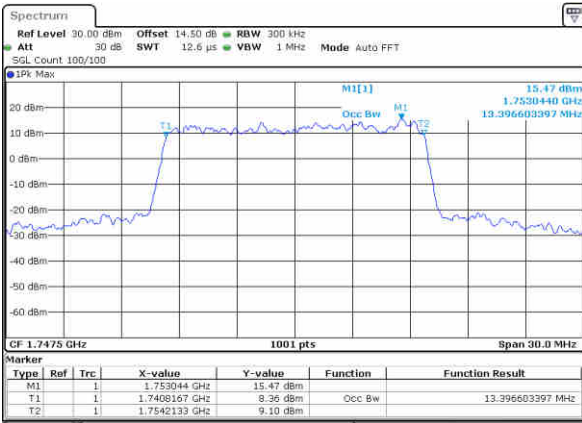
Date: 14, DEC, 2019 23:38:27

Middle Channel / 20MHz / 64QAM



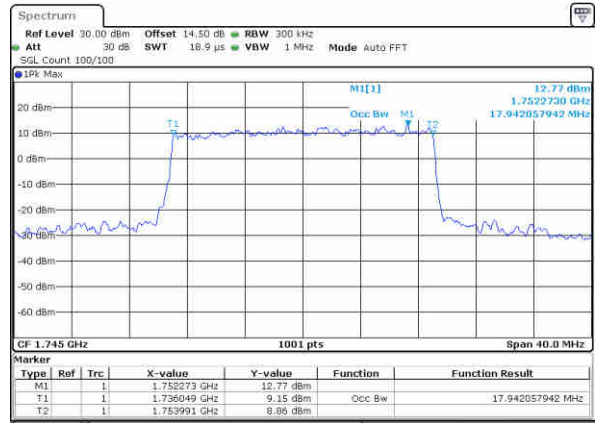
Date: 14, DEC, 2019 23:45:38

Highest Channel / 15MHz / 64QAM



Date: 14, DEC, 2019 23:39:33

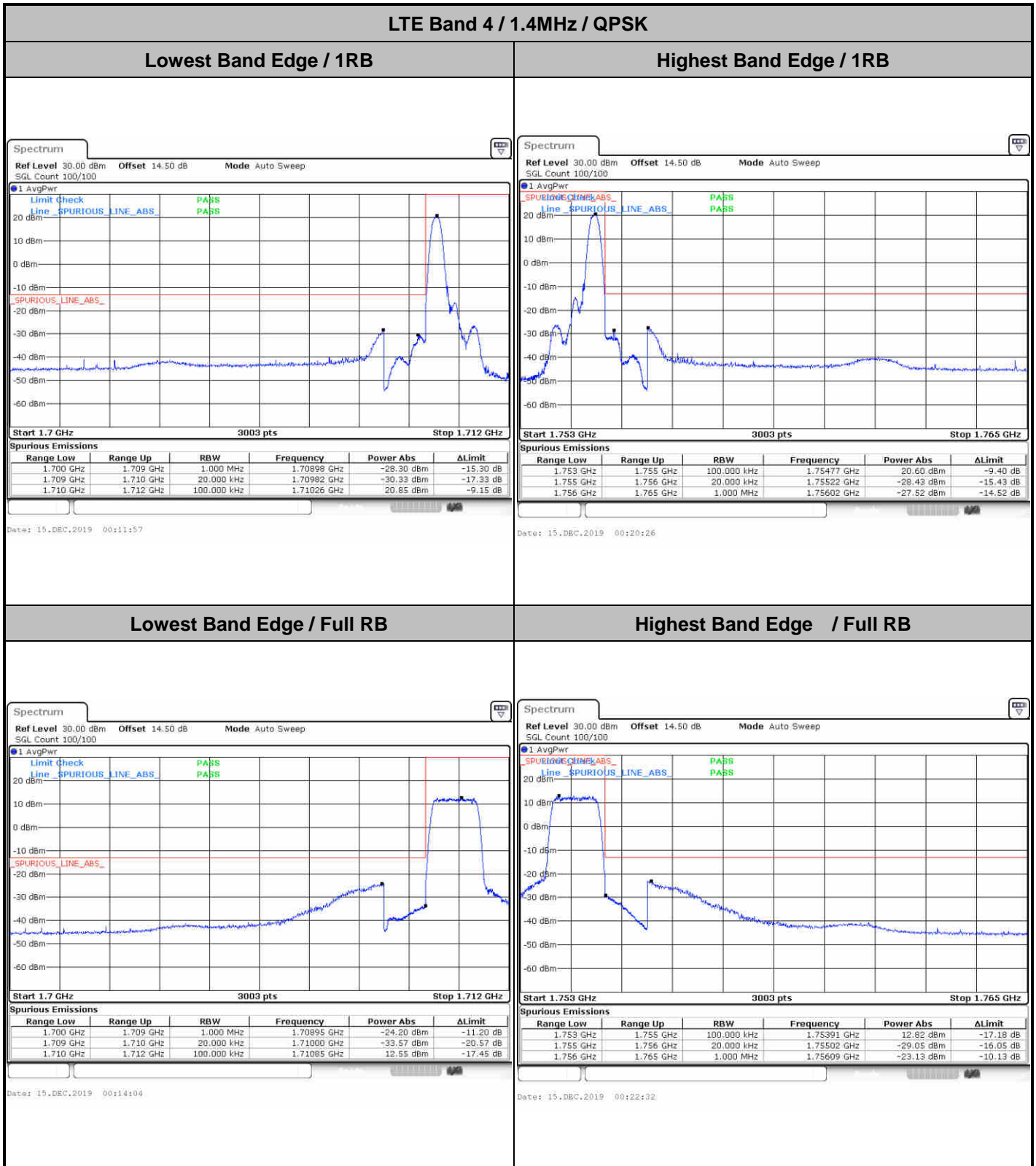
Highest Channel / 20MHz / 64QAM



Date: 14, DEC, 2019 23:46:42



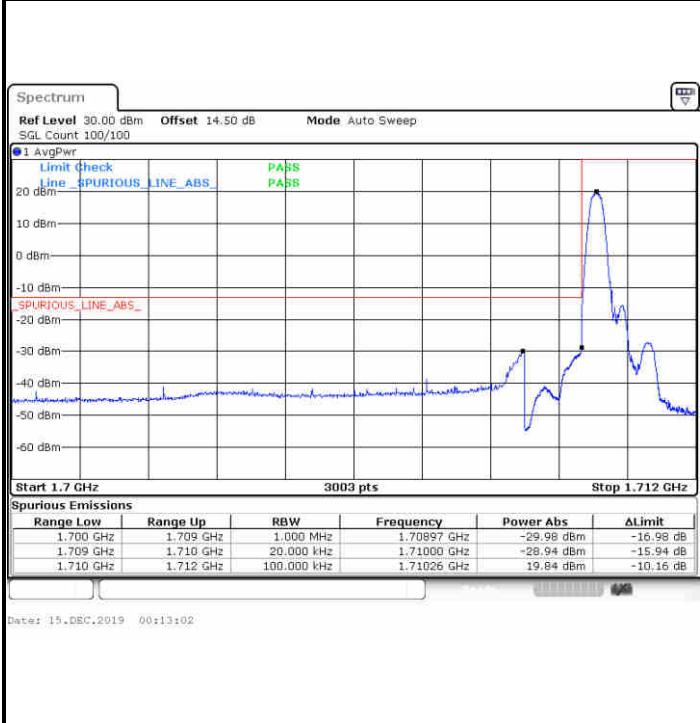
Conducted Band Edge



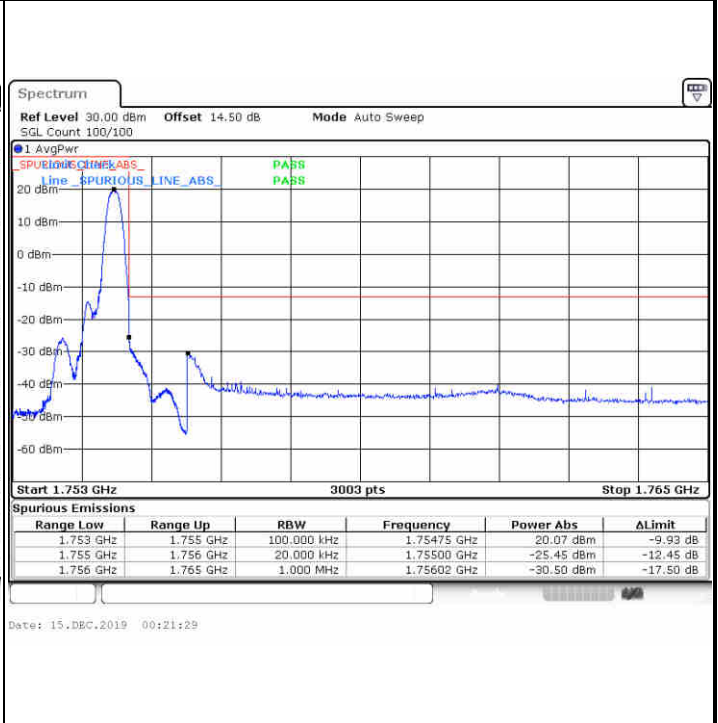


LTE Band 4 / 1.4MHz / 16QAM

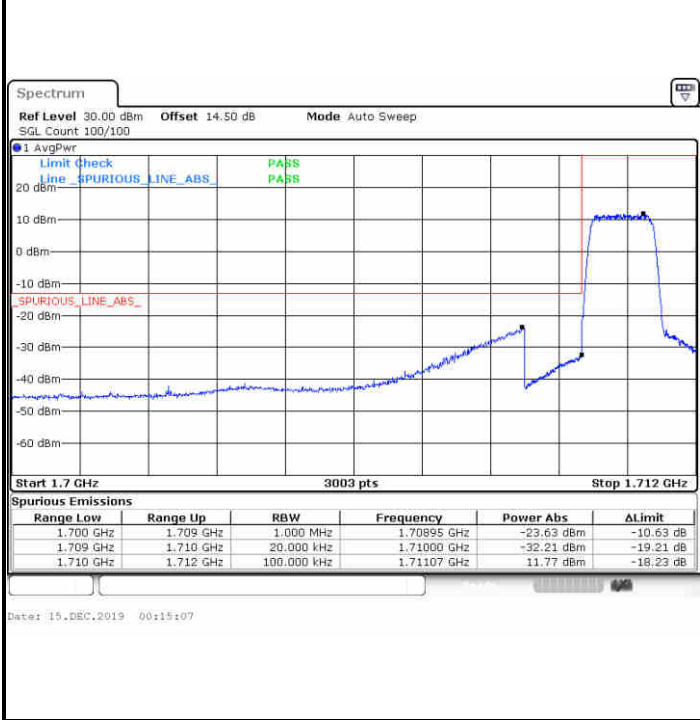
Lowest Band Edge / 1 RB



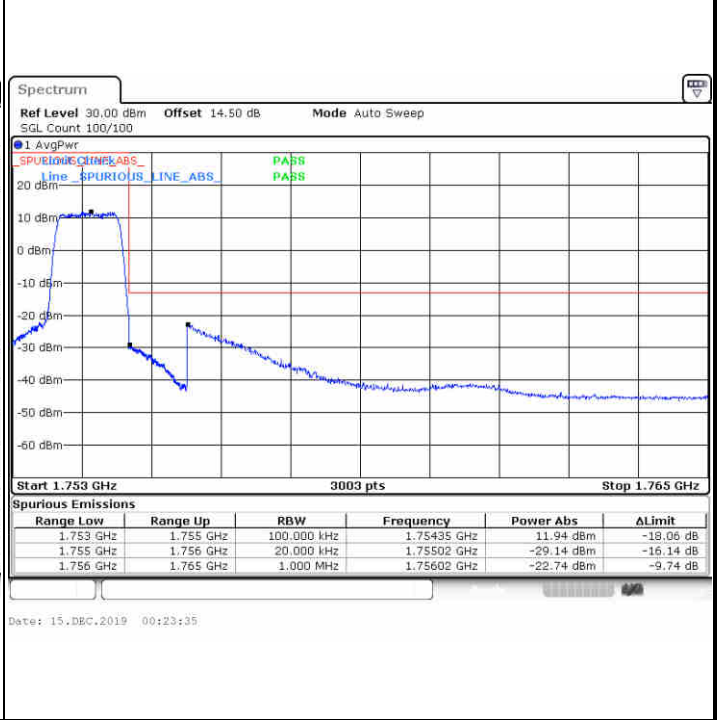
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



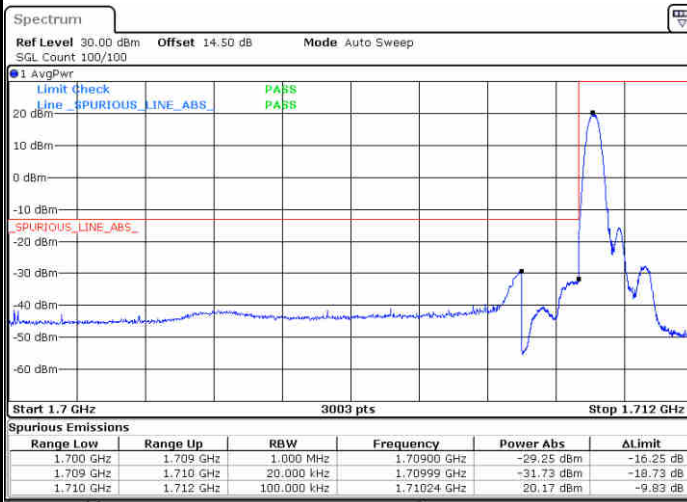
Highest Band Edge / Full RB





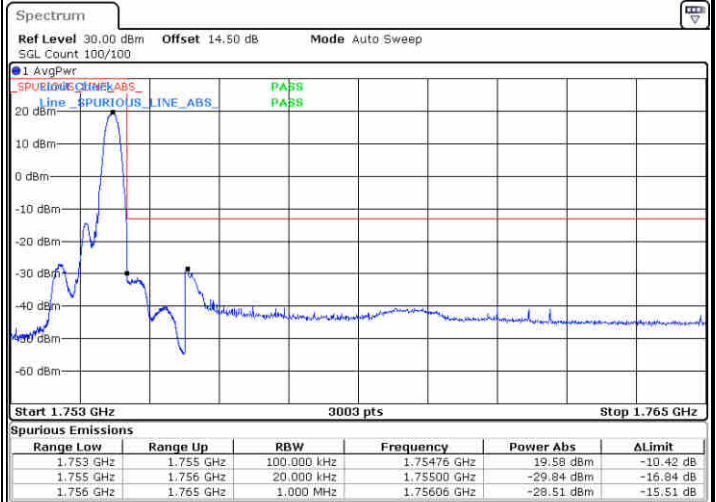
LTE Band 4 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



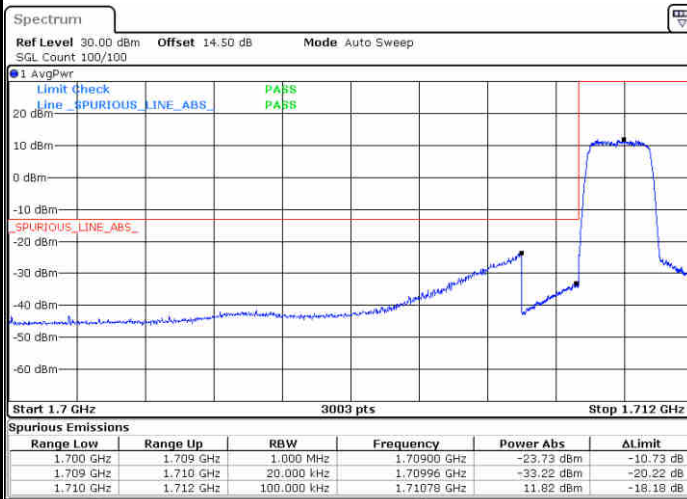
Date: 14.DEC.2019 23:50:59

Highest Band Edge / 1 RB



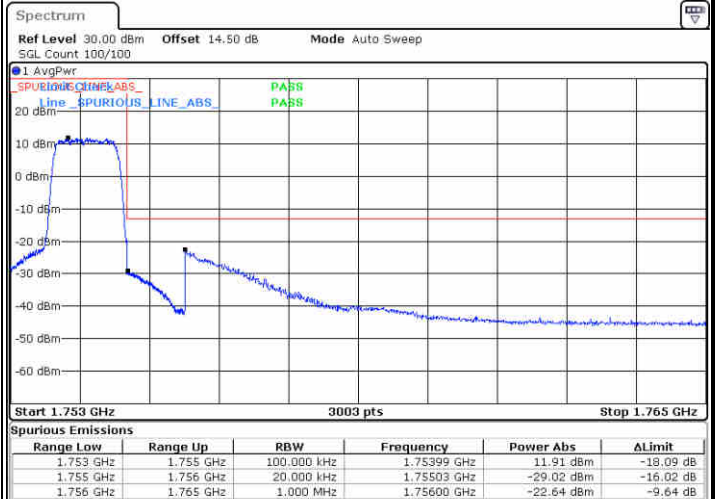
Date: 15.DEC.2019 00:32:55

Lowest Band Edge / Full RB



Date: 14.DEC.2019 23:52:02

Highest Band Edge / Full RB

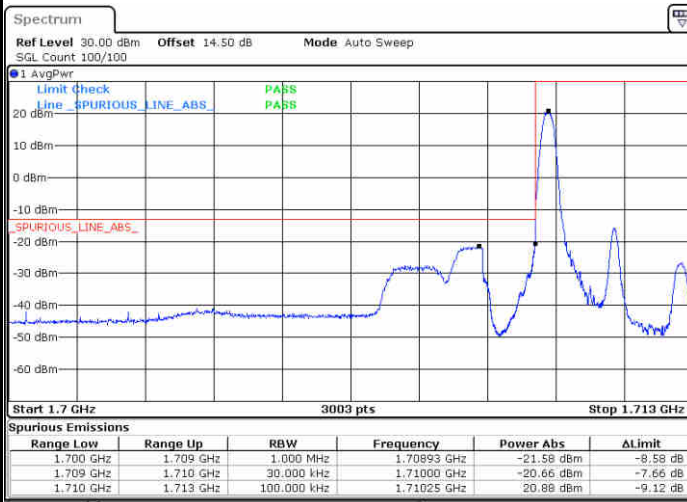


Date: 15.DEC.2019 00:09:22



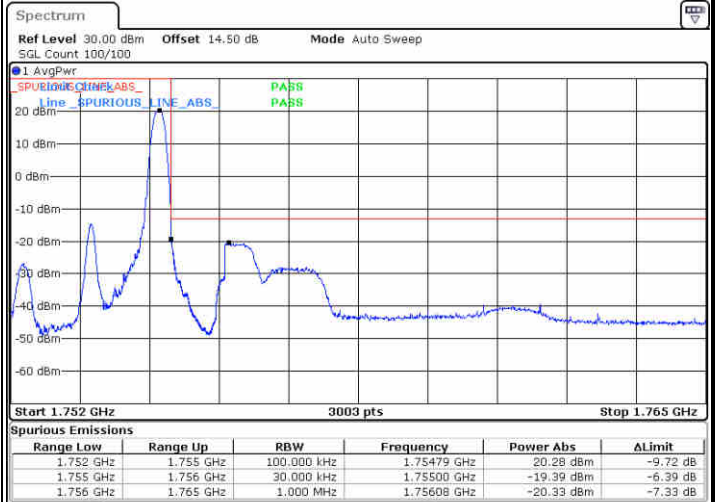
LTE Band 4 / 3MHz / QPSK

Lowest Band Edge / 1RB



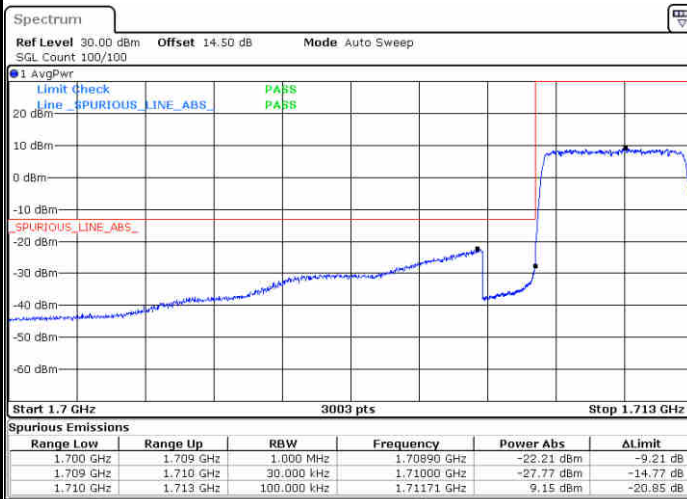
Date: 14.DEC.2019 21:55:46

Highest Band Edge / 1 RB



Date: 14.DEC.2019 22:04:04

Lowest Band Edge / Full RB



Date: 14.DEC.2019 21:57:47

Highest Band Edge / Full RB

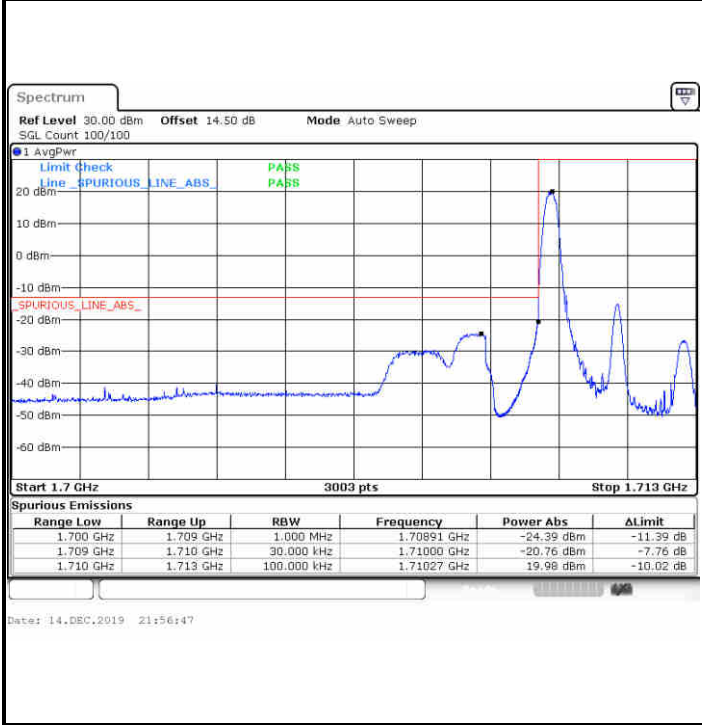


Date: 14.DEC.2019 22:06:04

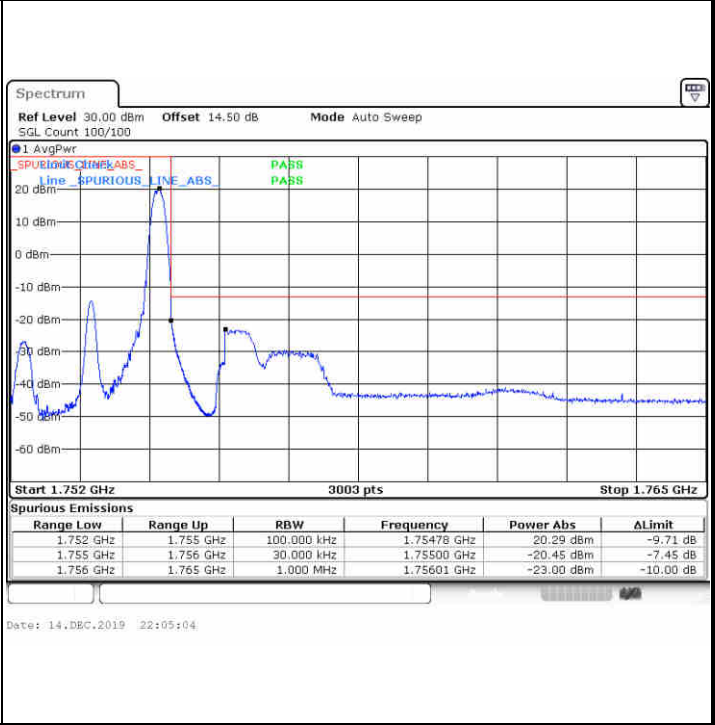


LTE Band 4 / 3MHz / 16QAM

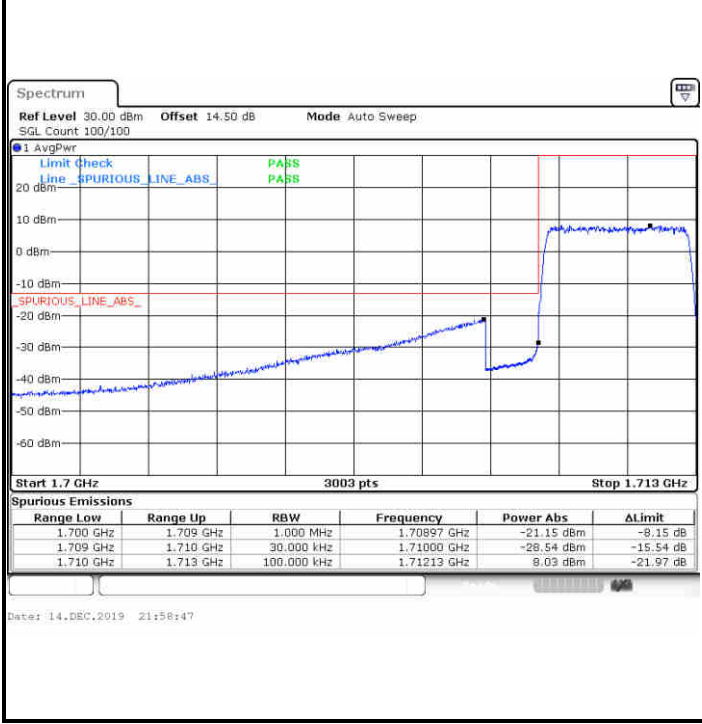
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



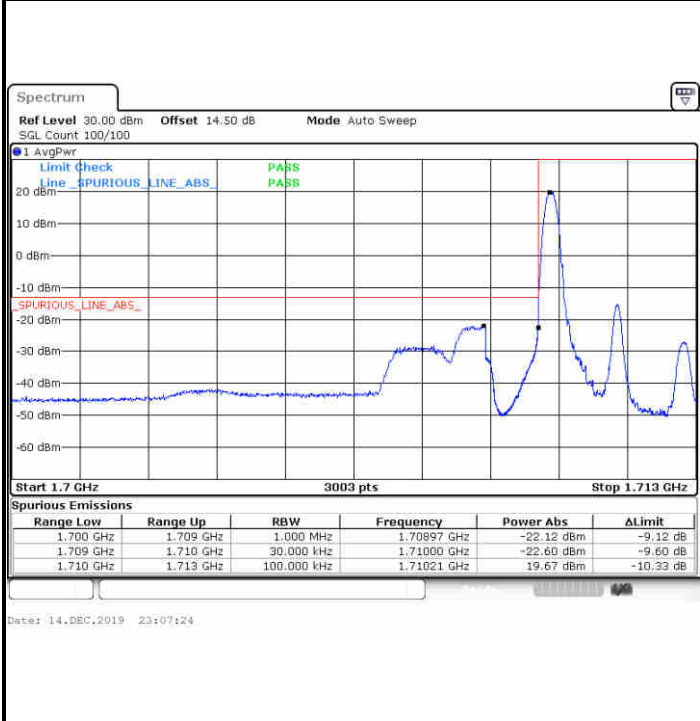
Highest Band Edge / Full RB



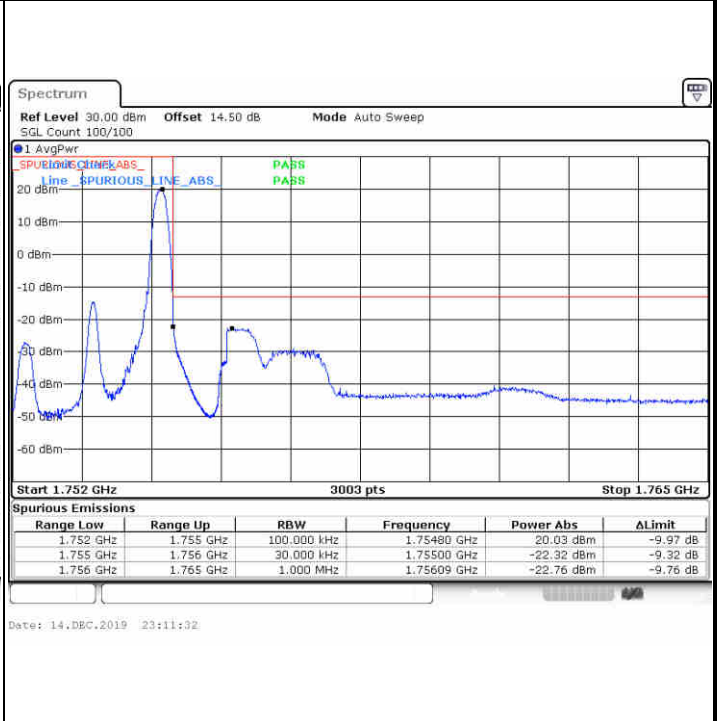


LTE Band 4 / 3MHz / 64QAM

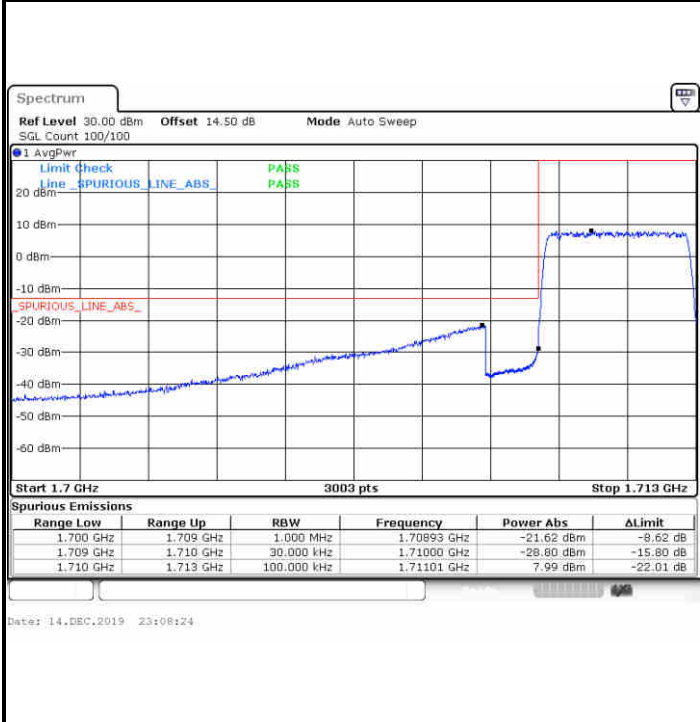
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



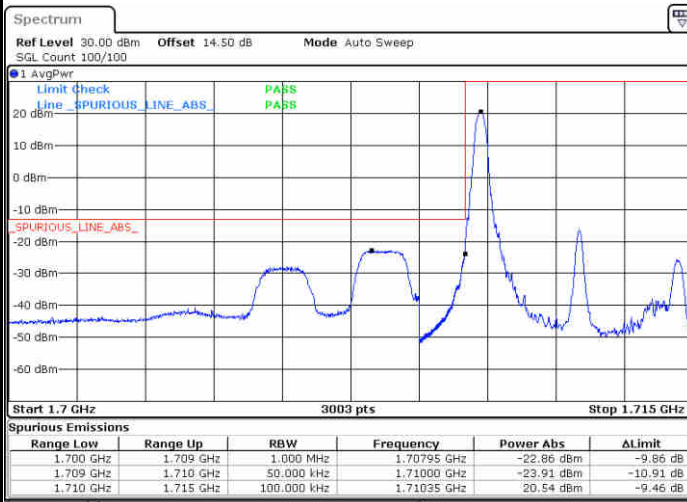
Highest Band Edge / Full RB





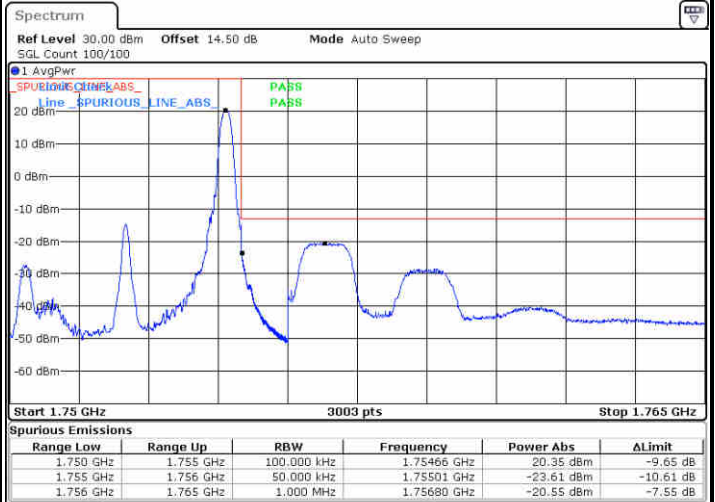
LTE Band 4 / 5MHz / QPSK

Lowest Band Edge / 1 RB



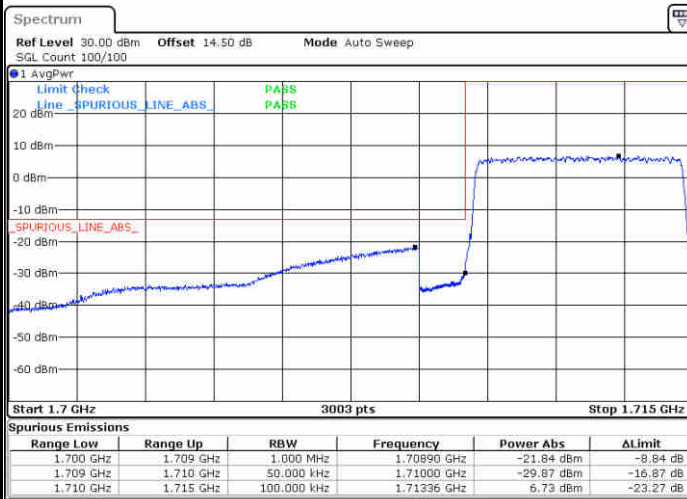
Date: 14.DEC.2019 22:10:12

Highest Band Edge / 1 RB



Date: 14.DEC.2019 22:18:28

Lowest Band Edge / Full RB



Date: 14.DEC.2019 22:12:12

Highest Band Edge / Full RB

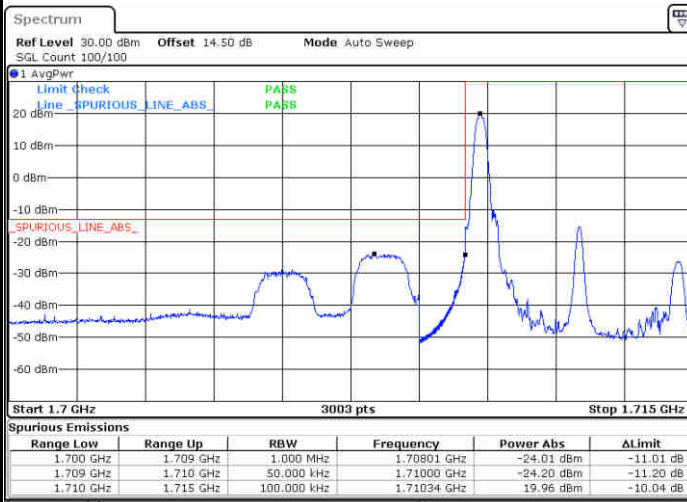


Date: 14.DEC.2019 22:20:28

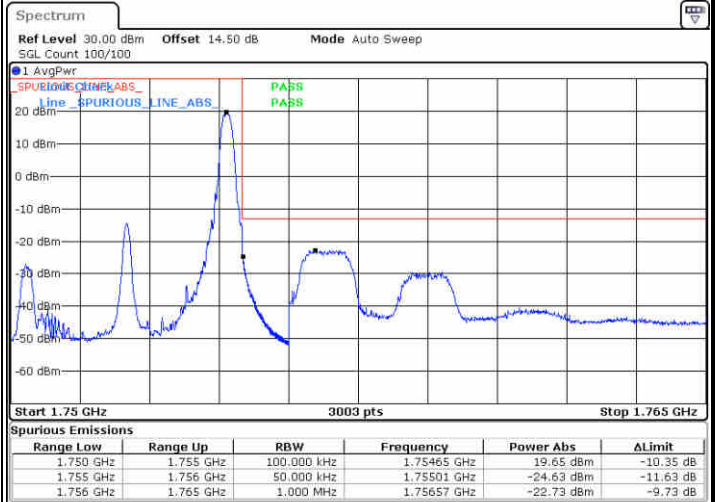


LTE Band 4 / 5MHz / 16QAM

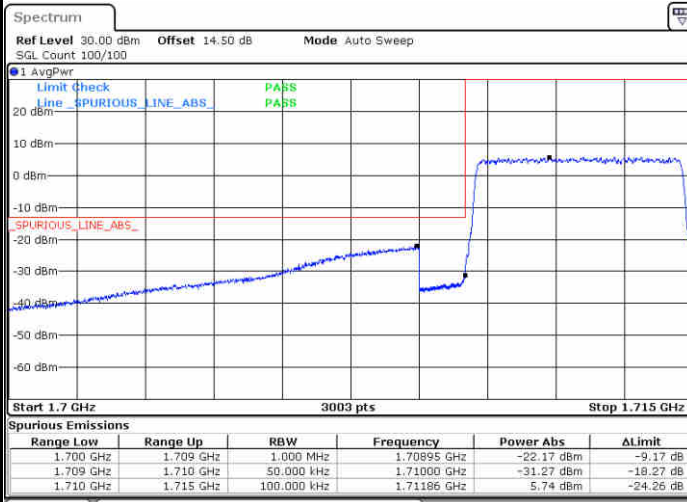
Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



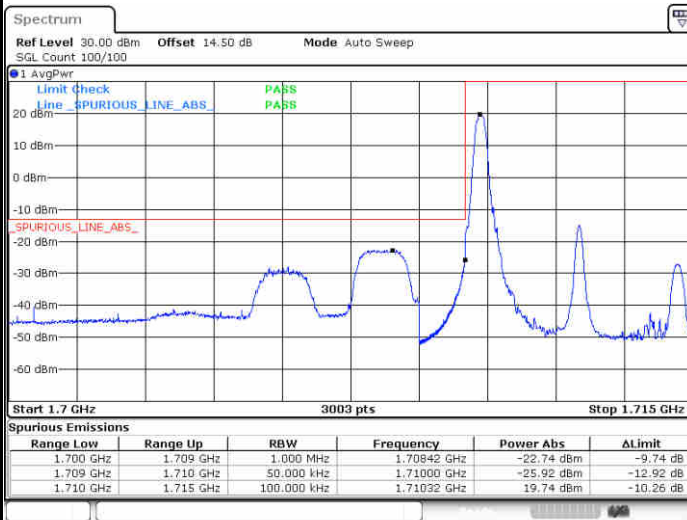
Highest Band Edge / Full RB





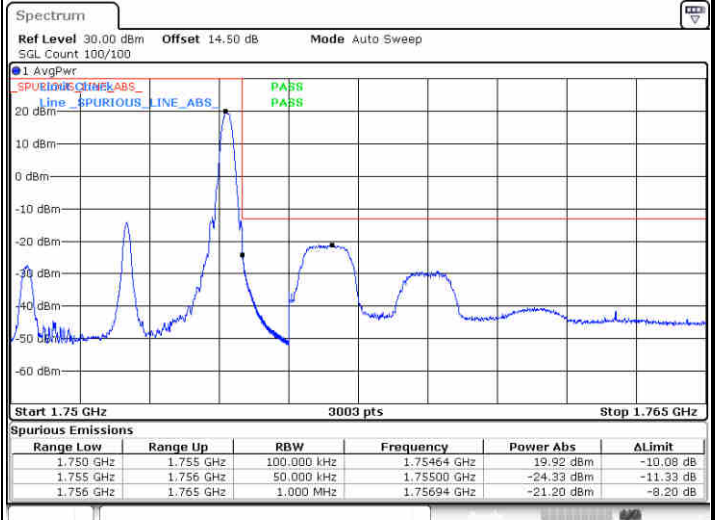
LTE Band 4 / 5MHz / 64QAM

Lowest Band Edge / 1RB



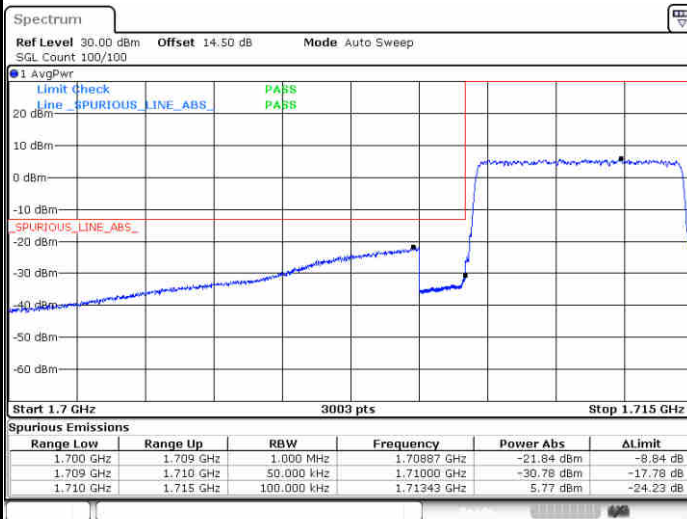
Date: 14.DEC.2019 23:14:36

Highest Band Edge / 1 RB



Date: 14.DEC.2019 23:18:44

Lowest Band Edge / Full RB



Date: 14.DEC.2019 23:15:36

Highest Band Edge / Full RB



Date: 14.DEC.2019 23:19:44