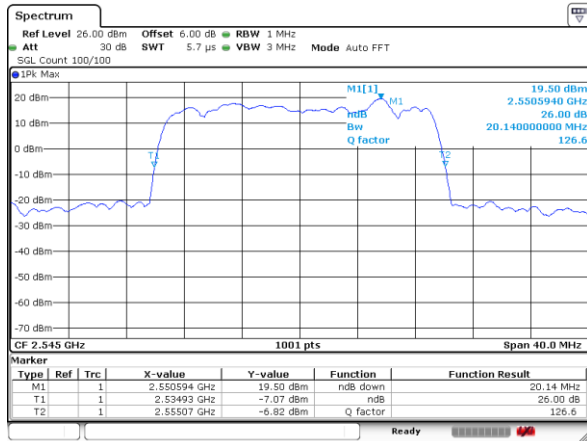




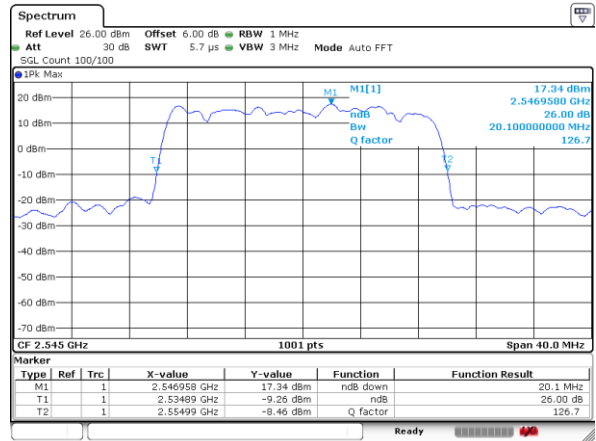
LTE Band 41

Lowest Channel / 20MHz / QPSK



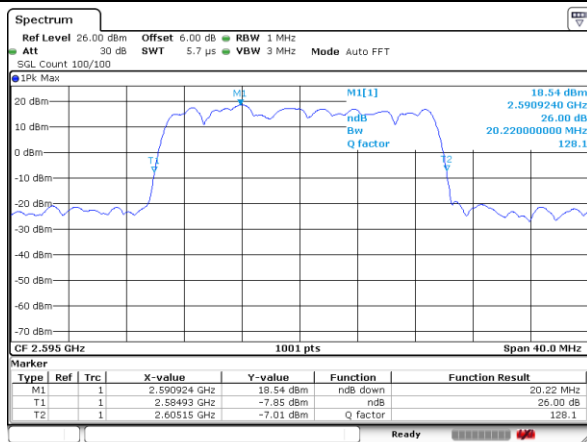
Date: 4 JUL 2019 10:39:33

Lowest Channel / 20MHz / 16QAM



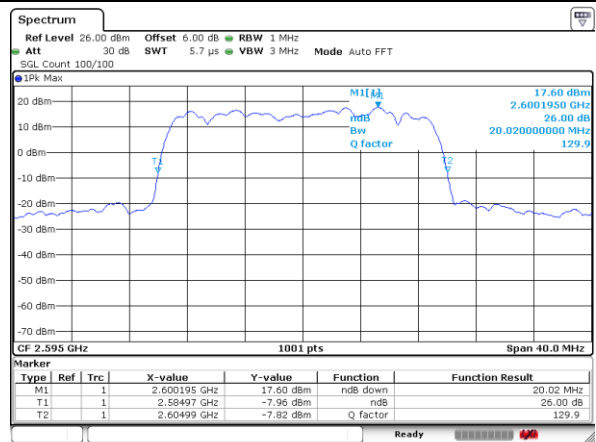
Date: 4 JUL 2019 10:39:57

Middle Channel / 20MHz / QPSK



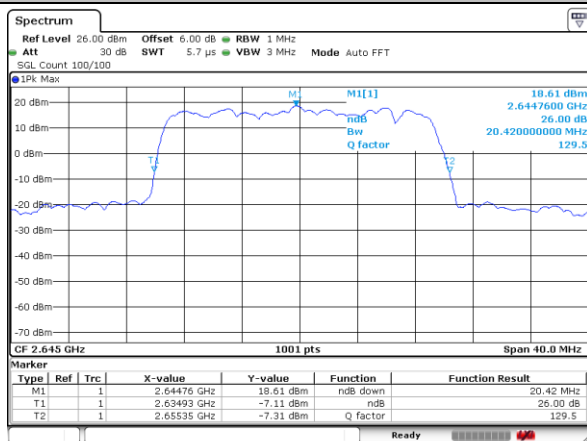
Date: 4 JUL 2019 10:36:58

Middle Channel / 20MHz / 16QAM



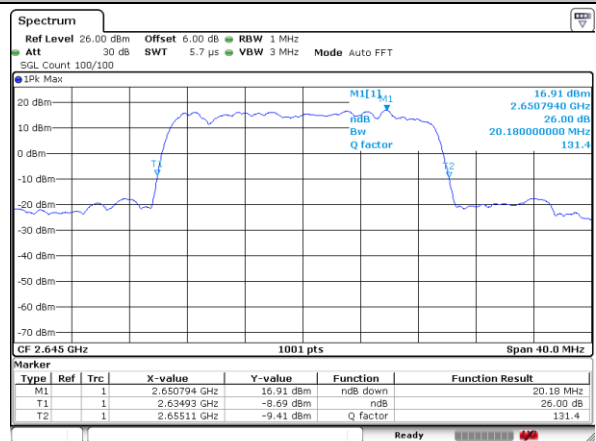
Date: 4 JUL 2019 10:36:34

Highest Channel / 20MHz / QPSK



Date: 4 JUL 2019 10:34:58

Highest Channel / 20MHz / 16QAM

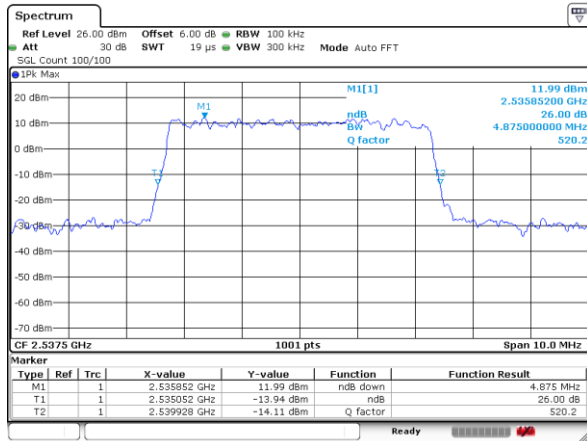


Date: 4 JUL 2019 10:35:22



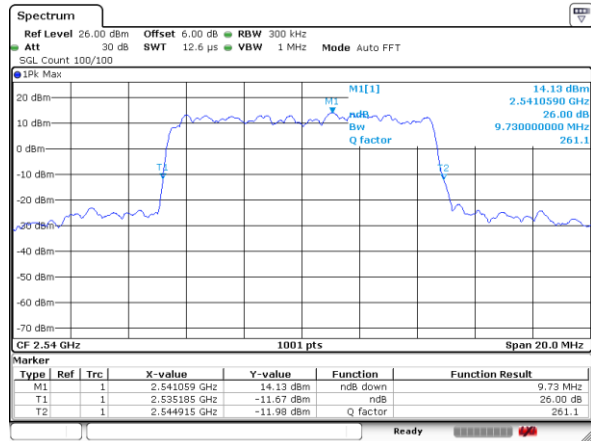
LTE Band 41

Lowest Channel / 5MHz / 64QAM



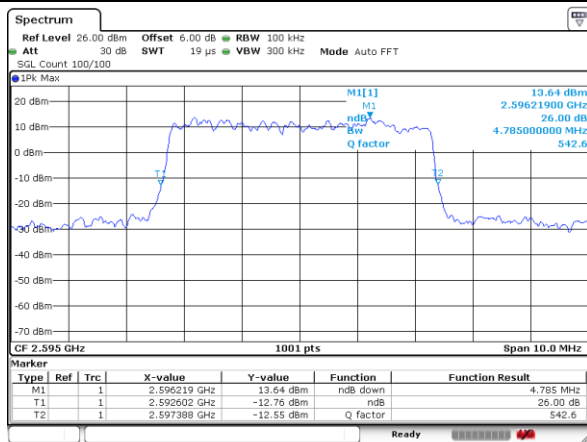
Date: 4 JUL 2019 10:53:53

Lowest Channel / 10MHz / 64QAM



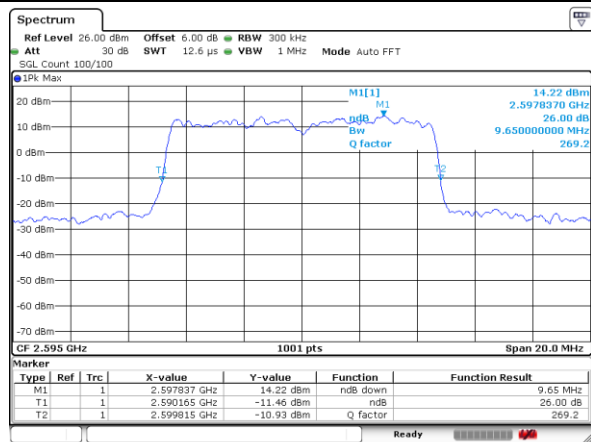
Date: 4 JUL 2019 10:46:49

Middle Channel / 5MHz / 64QAM



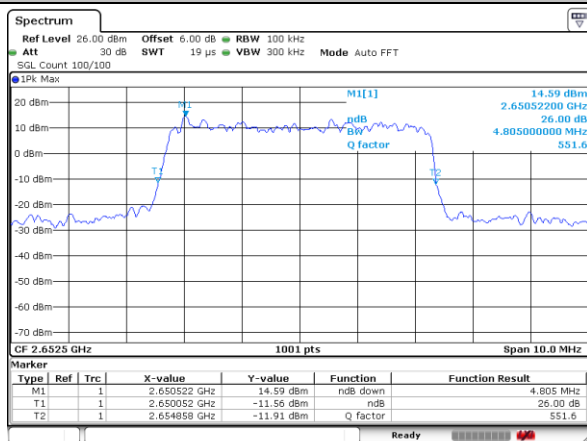
Date: 4 JUL 2019 10:52:02

Middle Channel / 10MHz / 64QAM



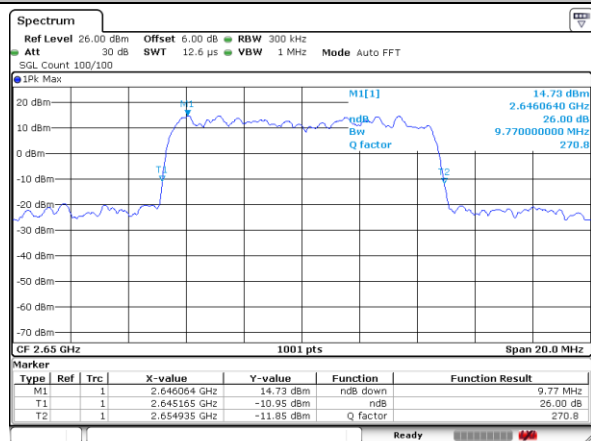
Date: 4 JUL 2019 10:46:24

Highest Channel / 5MHz / 64QAM



Date: 4 JUL 2019 10:54:43

Highest Channel / 10MHz / 64QAM

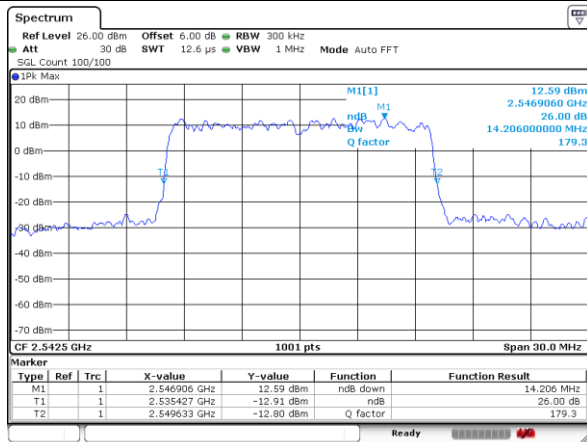


Date: 4 JUL 2019 10:49:17



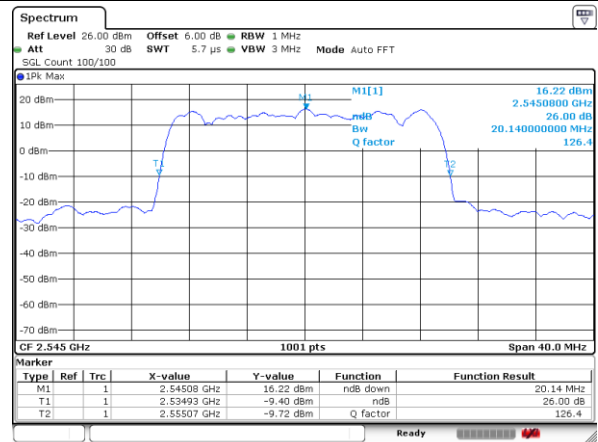
LTE Band 41

Lowest Channel / 15MHz / 64QAM



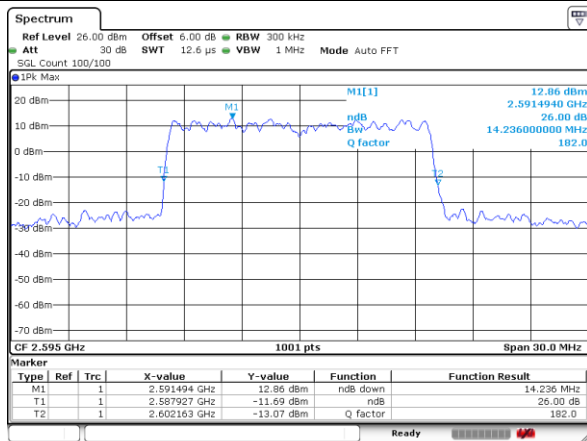
Date: 4 JUL 2019 10:43:14

Lowest Channel / 20MHz / 64QAM



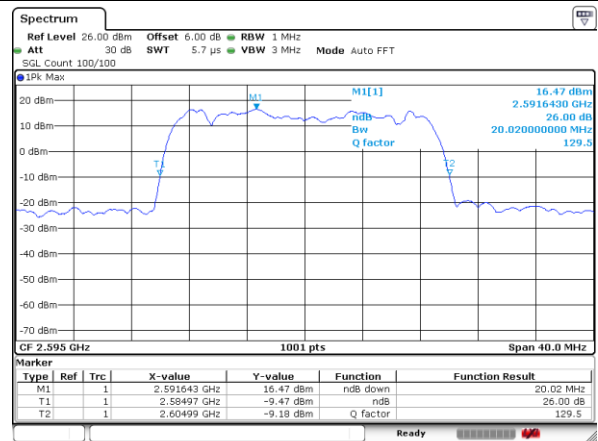
Date: 4 JUL 2019 10:40:16

Middle Channel / 15MHz / 64QAM



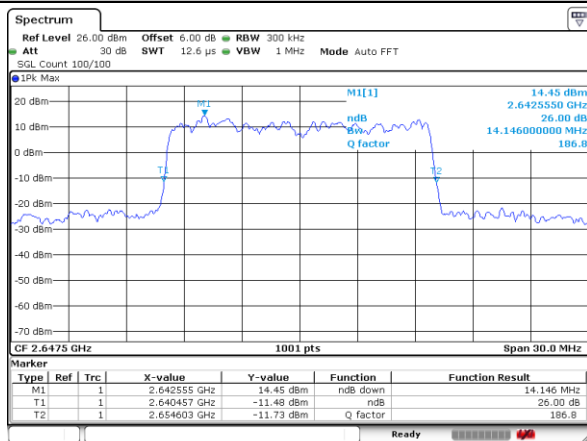
Date: 4 JUL 2019 10:41:17

Middle Channel / 20MHz / 64QAM



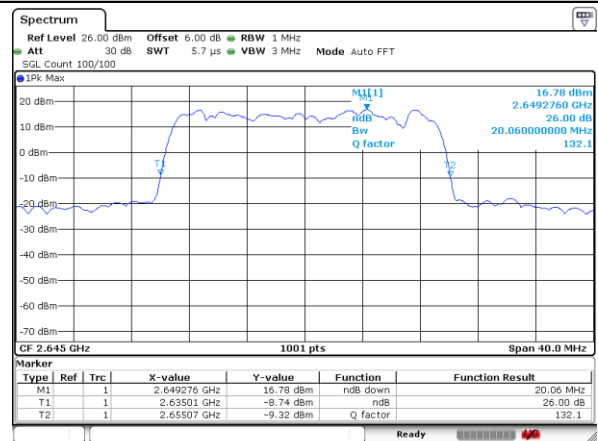
Date: 4 JUL 2019 10:36:20

Highest Channel / 15MHz / 64QAM



Date: 4 JUL 2019 10:43:52

Highest Channel / 20MHz / 64QAM



Date: 4 JUL 2019 10:35:42

**Occupied Bandwidth**

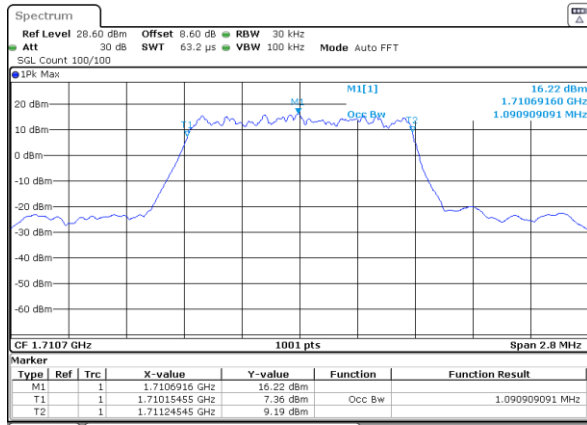
Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.10	2.70	2.70	4.52	4.48	9.05	9.05	13.46	13.43	18.34	18.38
Middle CH	1.09	1.09	2.69	2.70	4.50	4.49	9.09	8.97	13.43	13.49	18.30	18.42
Highest CH	1.08	1.09	2.71	2.73	4.48	4.49	9.05	9.03	13.46	13.40	18.42	18.38
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.10		2.72		4.51		9.03		13.43		18.38	
Middle CH	1.10		2.70		4.49		9.05		13.40		18.26	
Highest CH	1.09		2.72		4.51		9.13		13.43		18.34	

Mode	LTE Band 41 : 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					4.50	4.49	9.01	9.05	13.52	13.49	18.50	18.38
Middle CH					4.49	4.49	9.09	9.03	13.46	13.46	18.34	18.30
Highest CH					4.49	4.49	9.07	9.09	13.49	13.46	18.34	18.38
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH					4.49		9.07		13.46		18.34	
Middle CH					4.47		9.01		13.49		18.38	
Highest CH					4.48		9.01		13.46		18.50	

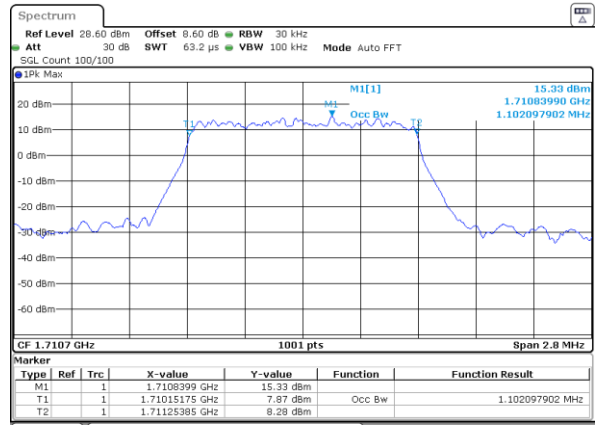


LTE Band 4

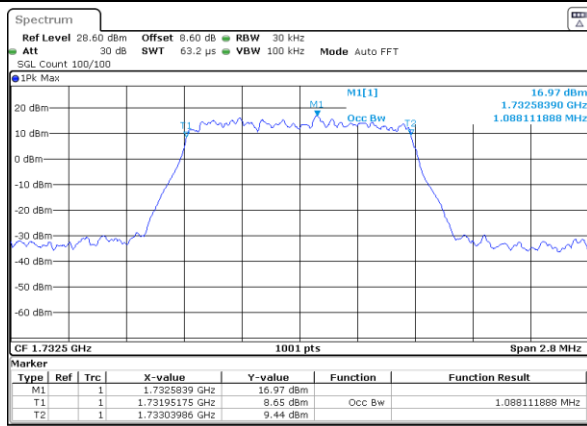
Lowest Channel / 1.4MHz / QPSK



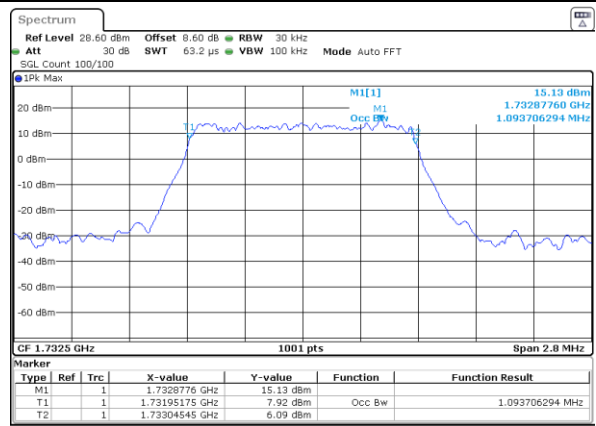
Lowest Channel / 1.4MHz / 16QAM



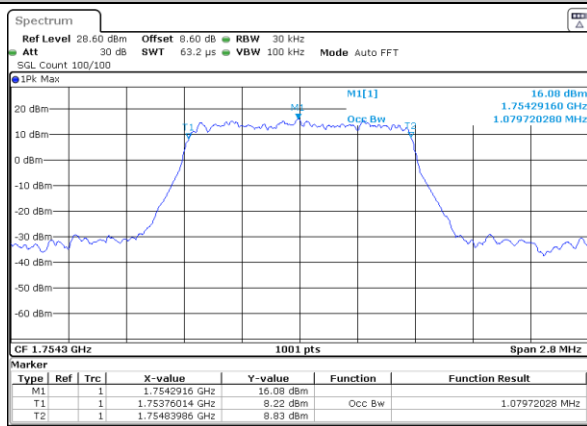
Middle Channel / 1.4MHz / QPSK



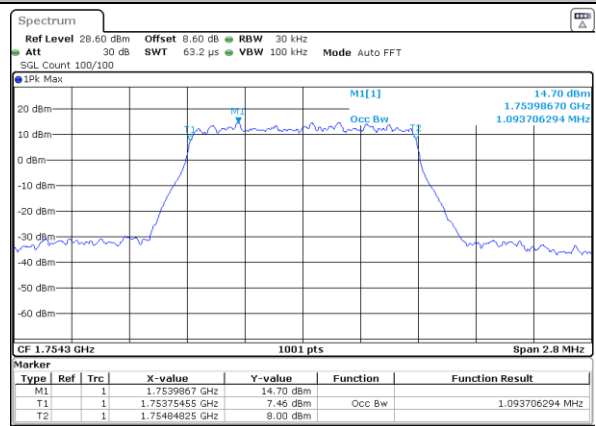
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



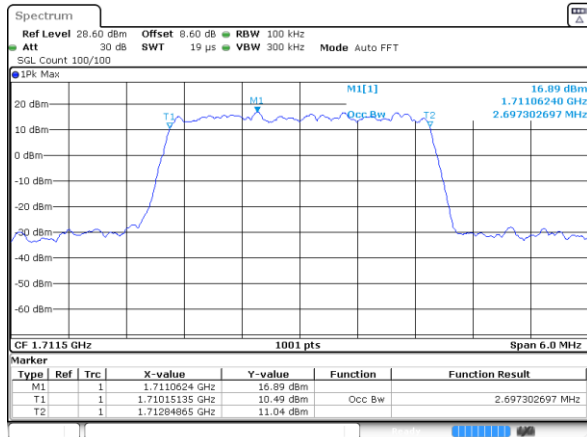
Highest Channel / 1.4MHz / 16QAM





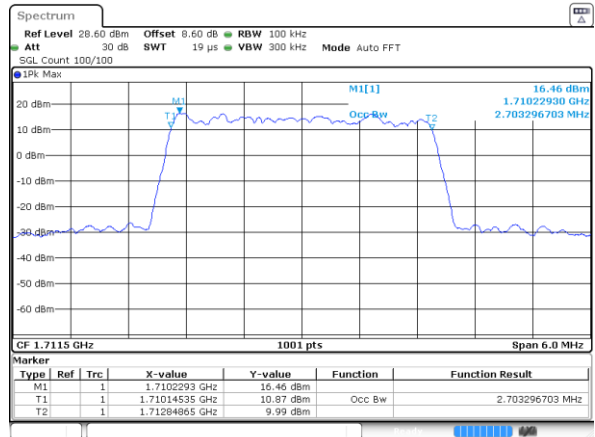
LTE Band 4

Lowest Channel / 3MHz / QPSK



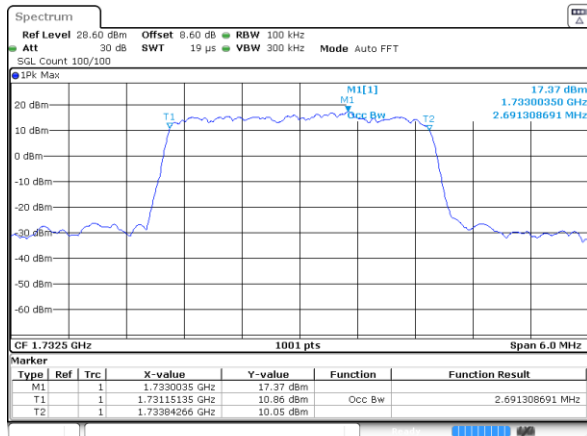
Date: 3 JUL 2019 14:43:11

Lowest Channel / 3MHz / 16QAM



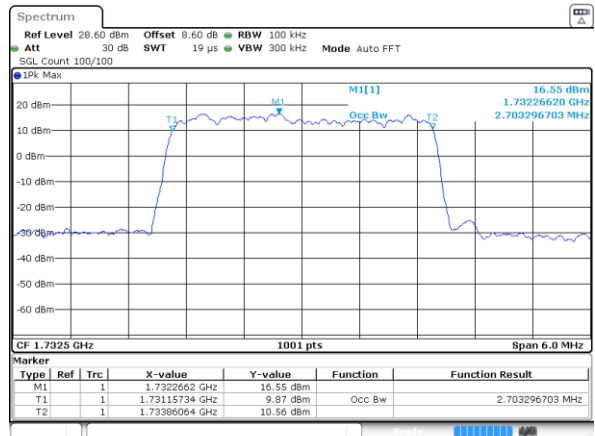
Date: 3 JUL 2019 10:21:52

Middle Channel / 3MHz / QPSK



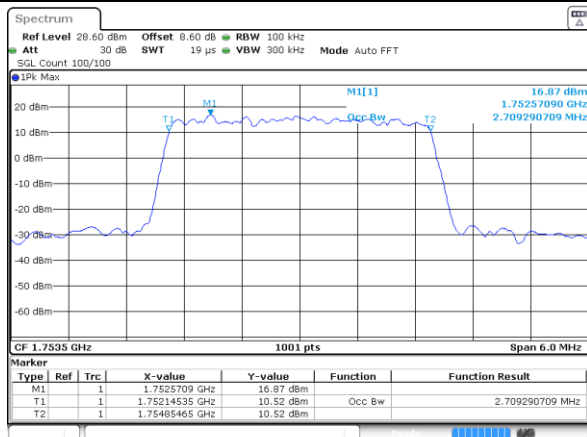
Date: 3 JUL 2019 10:28:40

Middle Channel / 3MHz / 16QAM



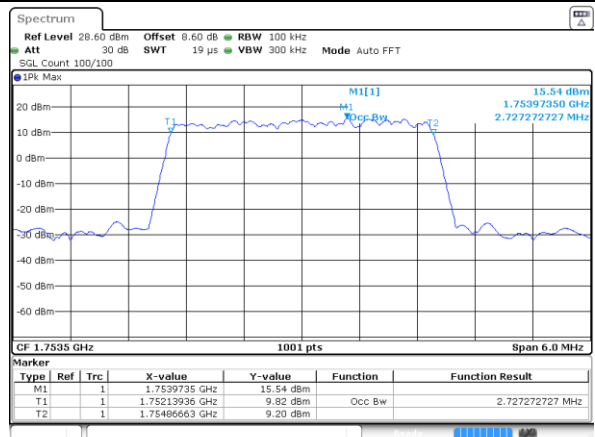
Date: 3 JUL 2019 10:28:50

Highest Channel / 3MHz / QPSK



Date: 3 JUL 2019 10:31:10

Highest Channel / 3MHz / 16QAM

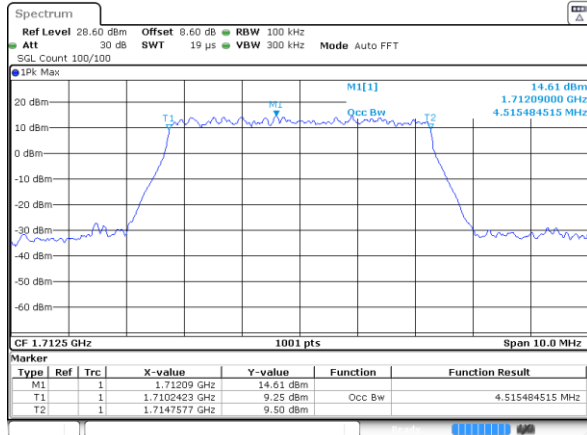


Date: 3 JUL 2019 10:31:19



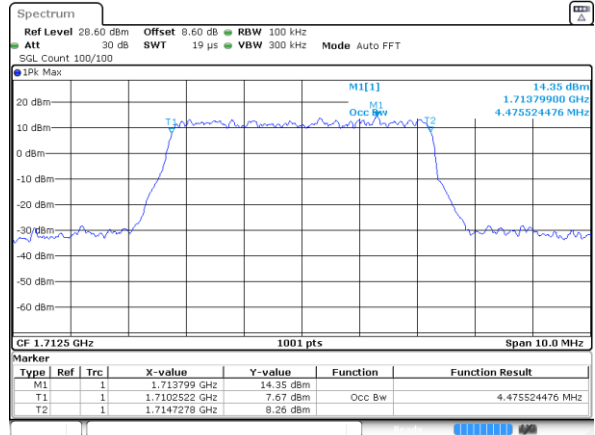
LTE Band 4

Lowest Channel / 5MHz / QPSK



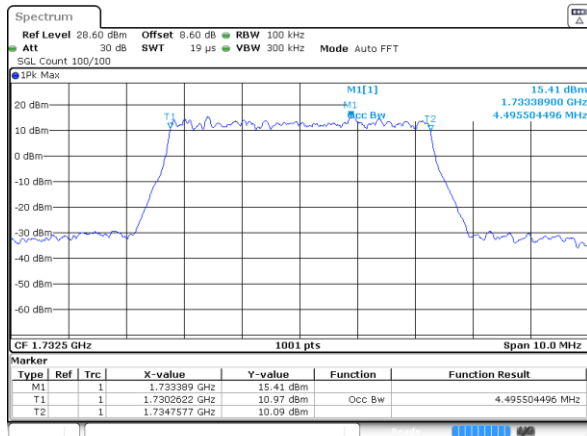
Date: 3 JUL 2019 10:38:08

Lowest Channel / 5MHz / 16QAM



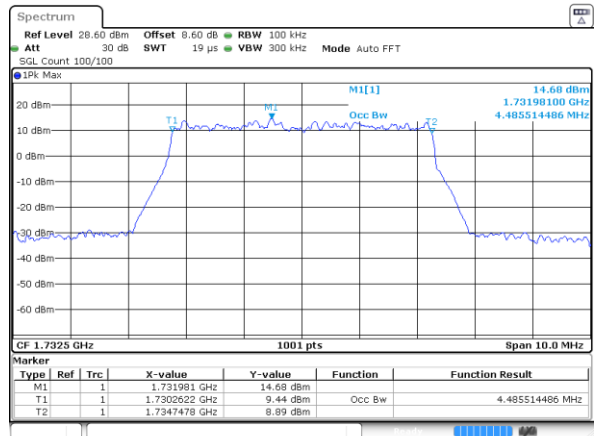
Date: 3 JUL 2019 14:46:41

Middle Channel / 5MHz / QPSK



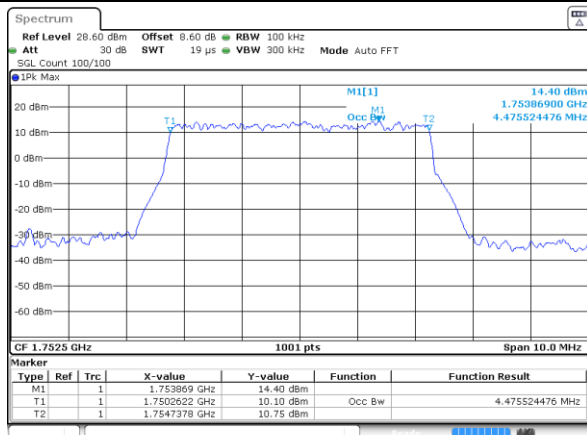
Date: 3 JUL 2019 10:45:07

Middle Channel / 5MHz / 16QAM



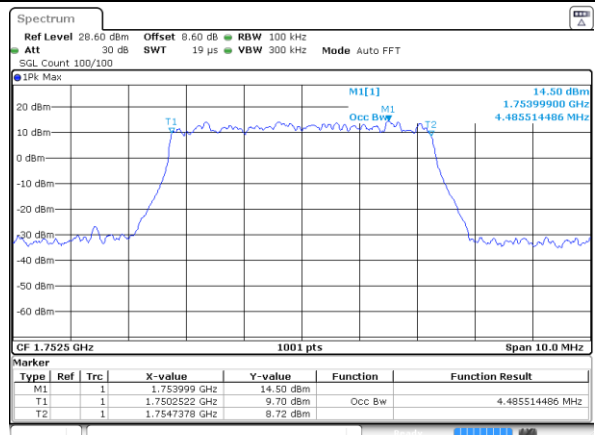
Date: 3 JUL 2019 10:45:17

Highest Channel / 5MHz / QPSK



Date: 3 JUL 2019 10:47:35

Highest Channel / 5MHz / 16QAM

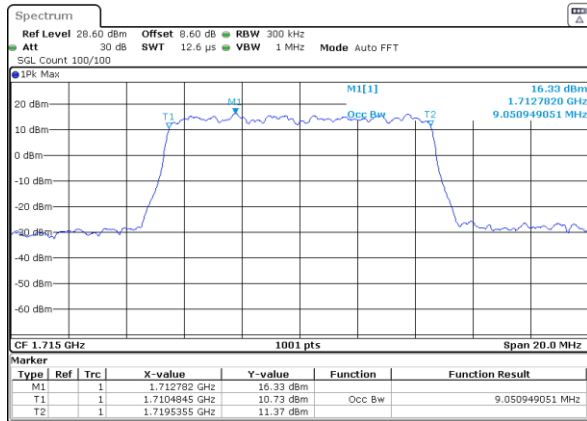


Date: 3 JUL 2019 10:47:45



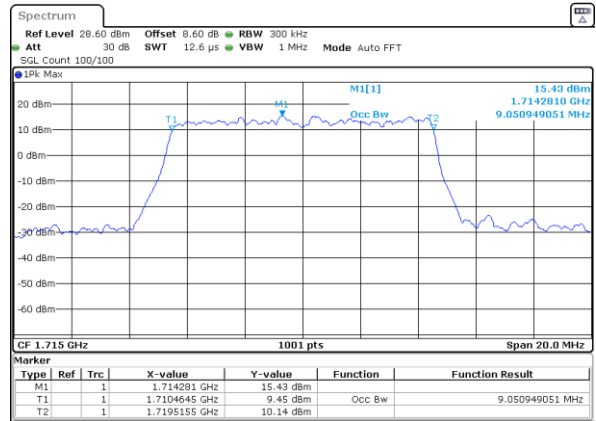
LTE Band 4

Lowest Channel / 10MHz / QPSK



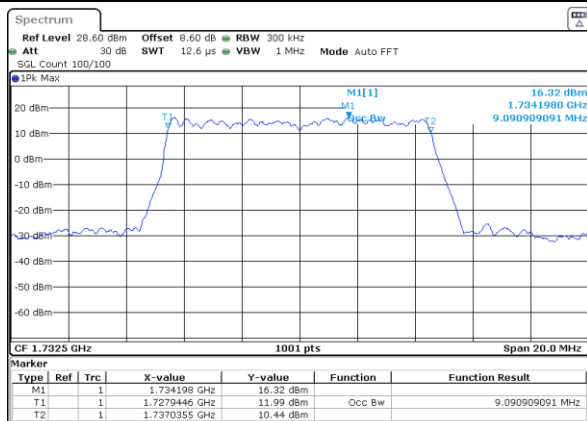
Date: 3 JUL 2019 10:54:34

Lowest Channel / 10MHz / 16QAM



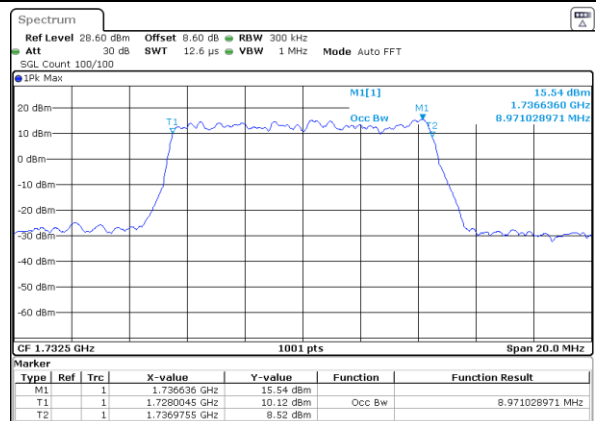
Date: 3 JUL 2019 14:49:45

Middle Channel / 10MHz / QPSK



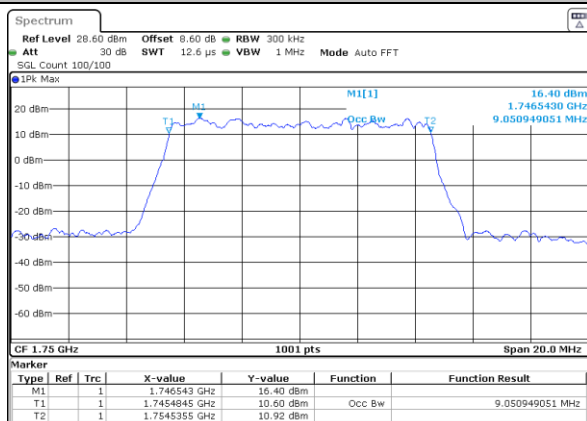
Date: 3 JUL 2019 11:01:33

Middle Channel / 10MHz / 16QAM



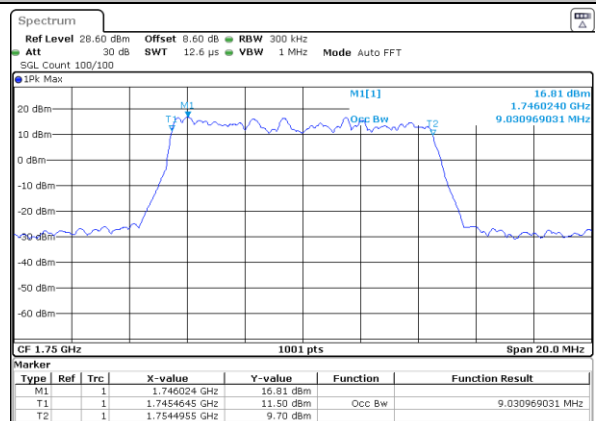
Date: 3 JUL 2019 11:04:43

Highest Channel / 10MHz / QPSK



Date: 3 JUL 2019 11:04:02

Highest Channel / 10MHz / 16QAM

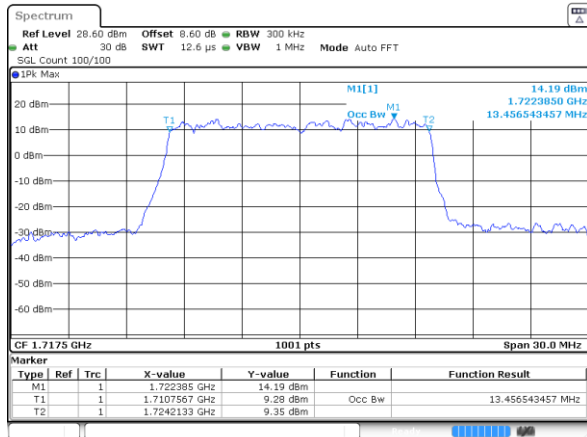


Date: 3 JUL 2019 11:04:11

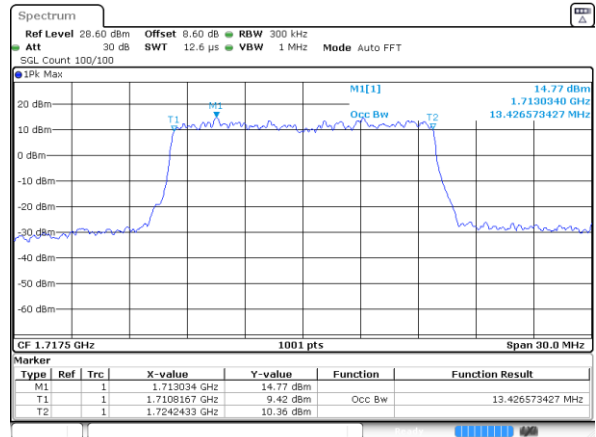


LTE Band 4

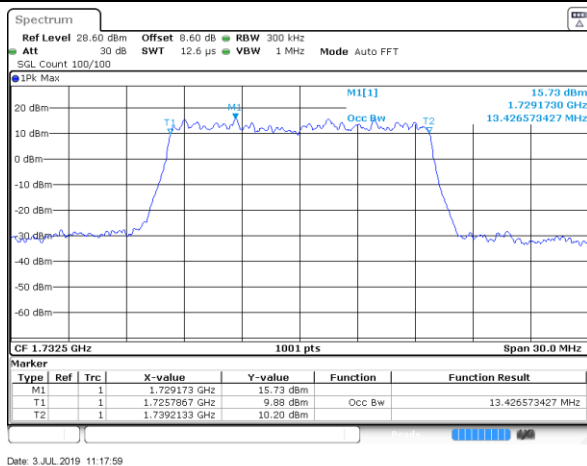
Lowest Channel / 15MHz / QPSK



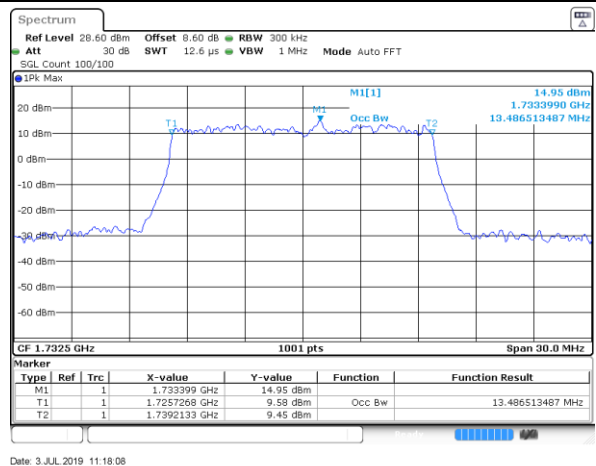
Lowest Channel / 15MHz / 16QAM



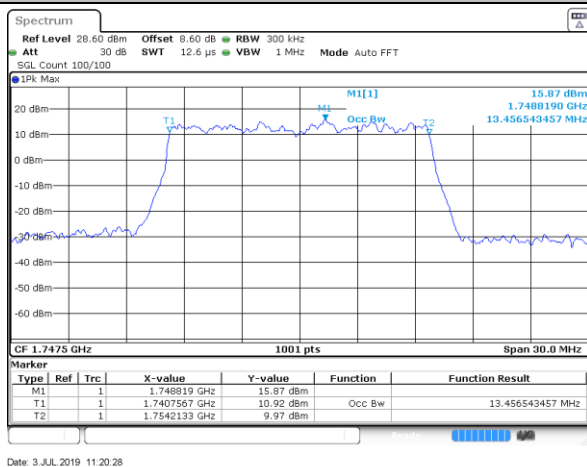
Middle Channel / 15MHz / QPSK



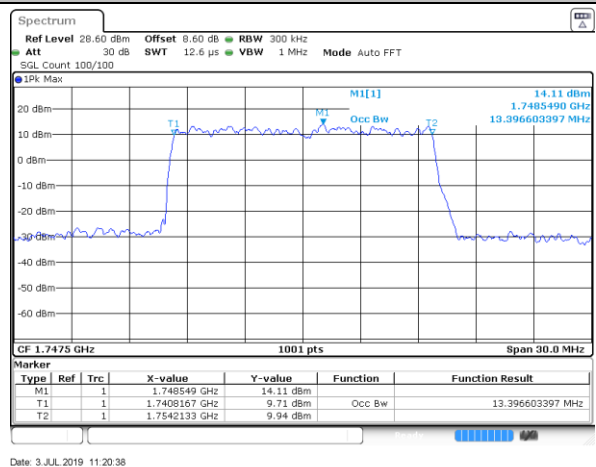
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



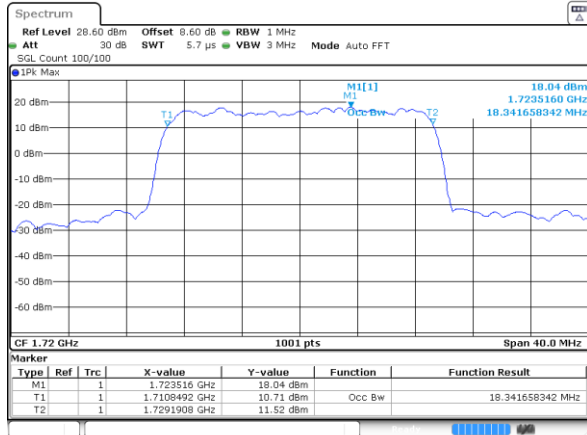
Highest Channel / 15MHz / 16QAM



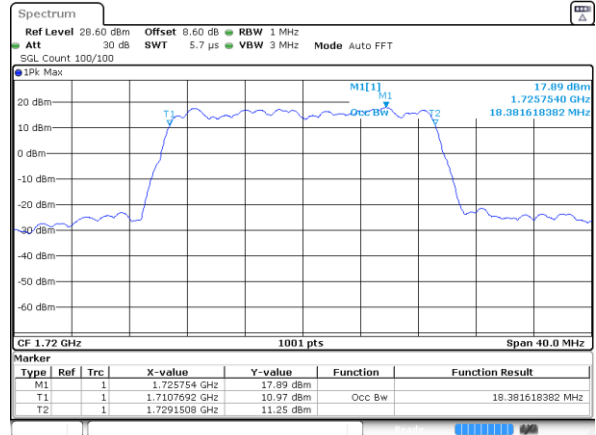


LTE Band 4

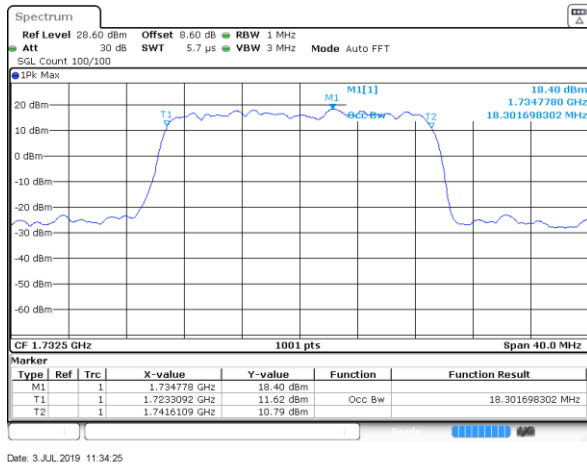
Lowest Channel / 20MHz / QPSK



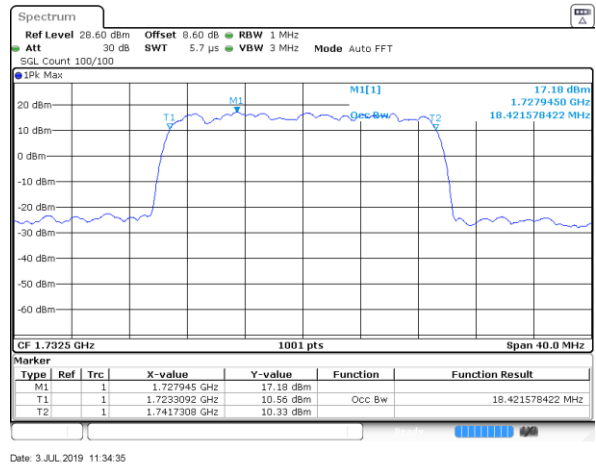
Lowest Channel / 20MHz / 16QAM



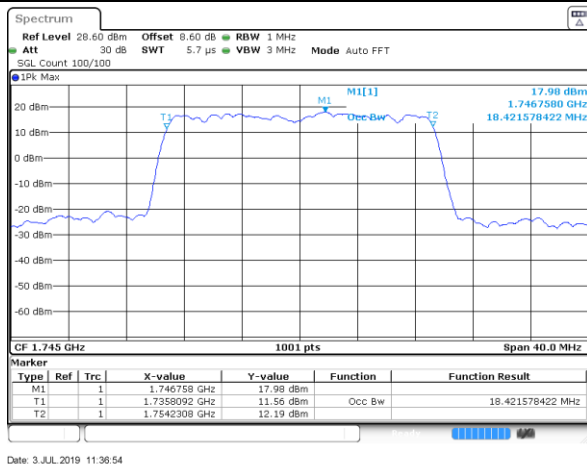
Middle Channel / 20MHz / QPSK



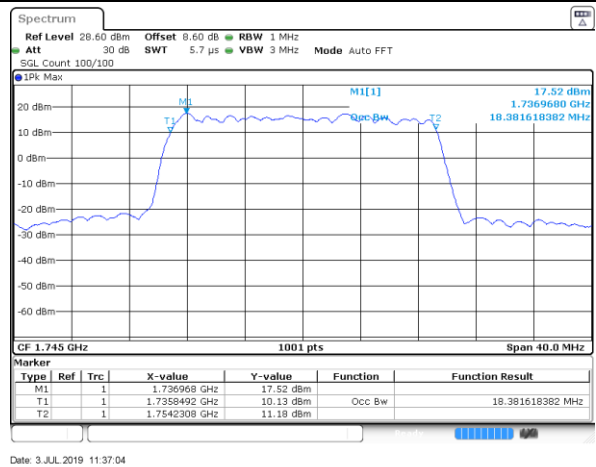
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



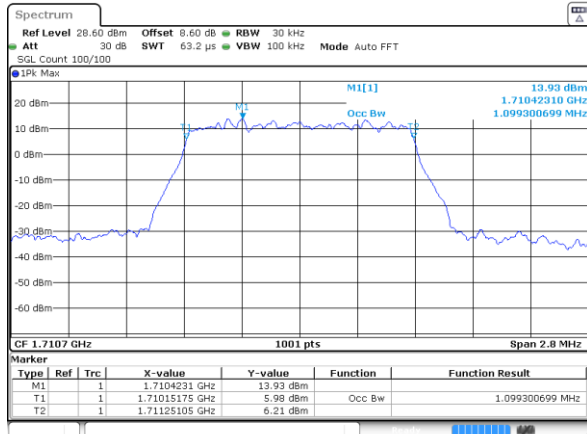
Highest Channel / 20MHz / 16QAM



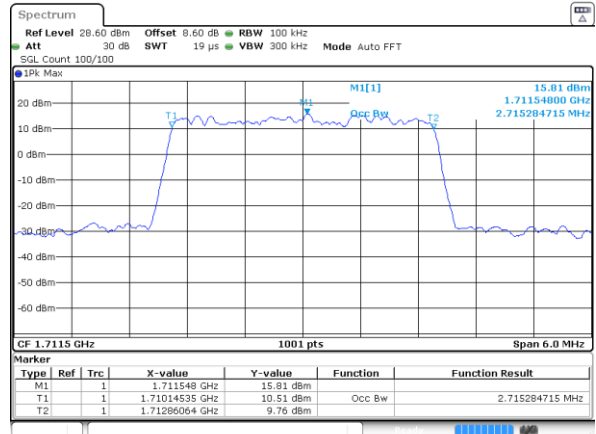


LTE Band 4

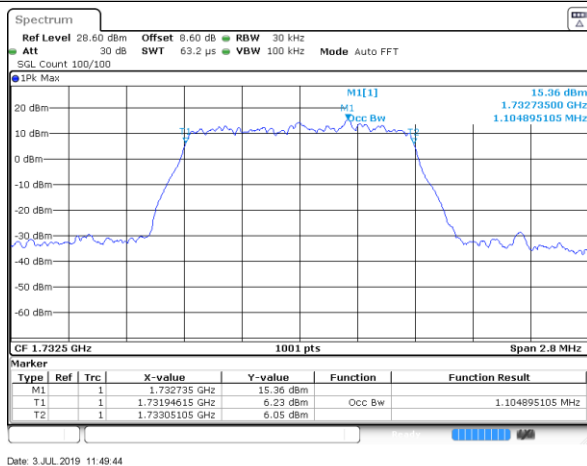
Lowest Channel / 1.4MHz / 64QAM



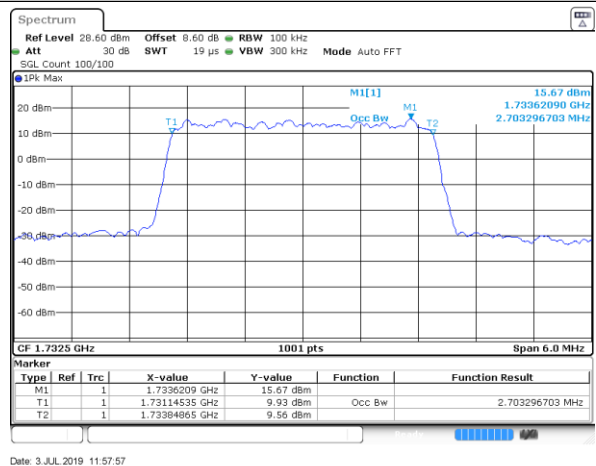
Lowest Channel / 3MHz / 64QAM



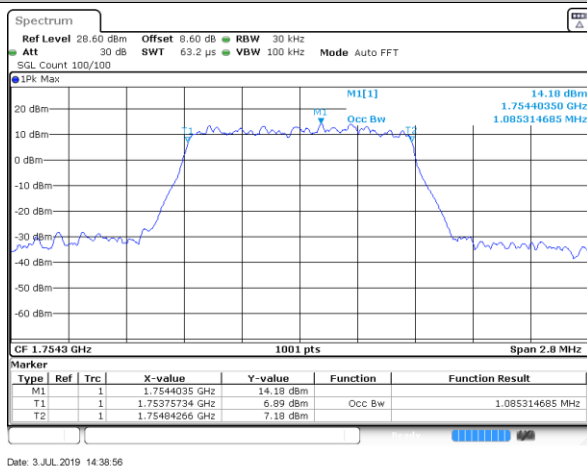
Middle Channel / 1.4MHz / 64QAM



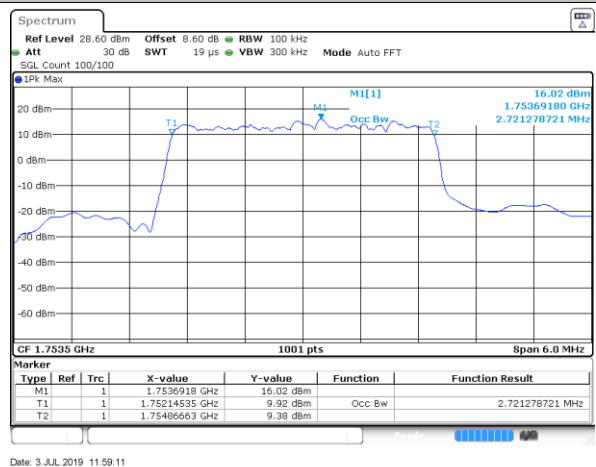
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM



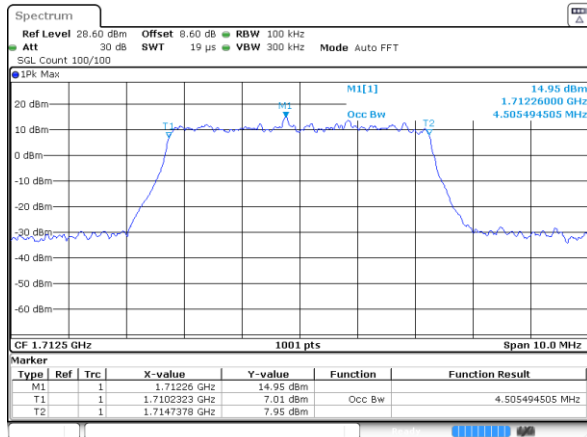
Highest Channel / 3MHz / 64QAM





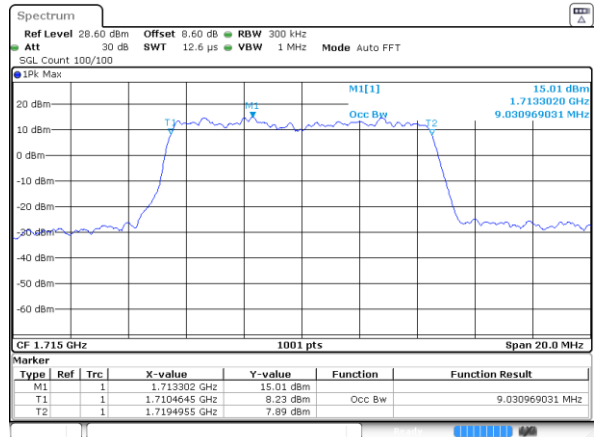
LTE Band 4

Lowest Channel / 5MHz / 64QAM



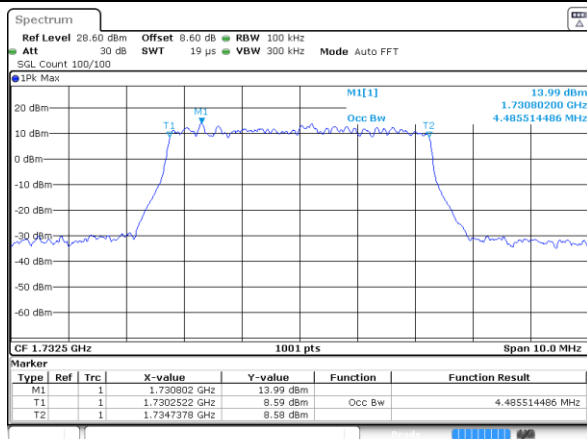
Date: 3 JUL 2019 12:02:41

Lowest Channel / 10MHz / 64QAM



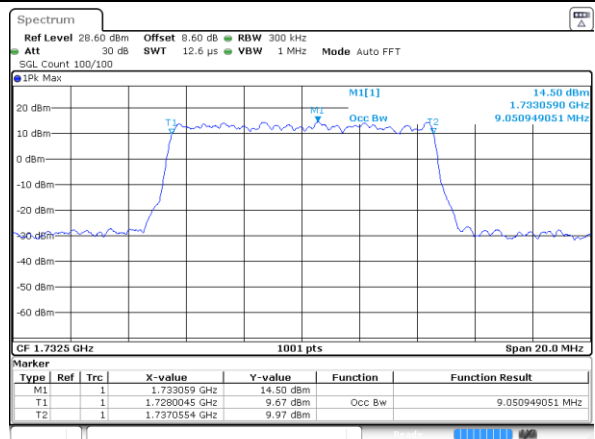
Date: 3 JUL 2019 12:10:54

Middle Channel / 5MHz / 64QAM



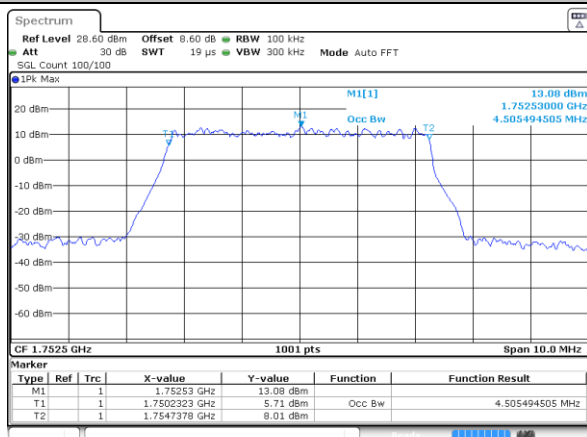
Date: 3 JUL 2019 12:06:10

Middle Channel / 10MHz / 64QAM



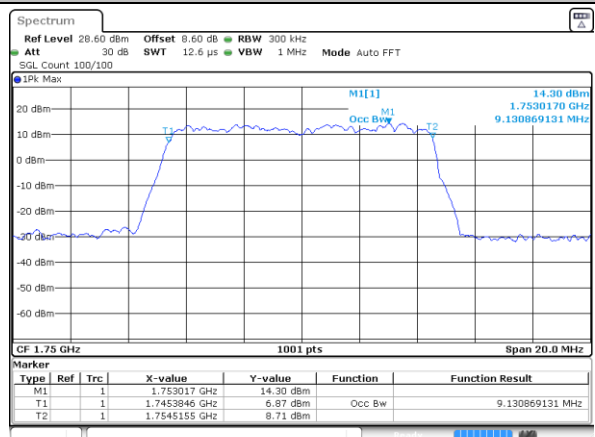
Date: 3 JUL 2019 12:14:23

Highest Channel / 5MHz / 64QAM



Date: 3 JUL 2019 12:07:24

Highest Channel / 10MHz / 64QAM

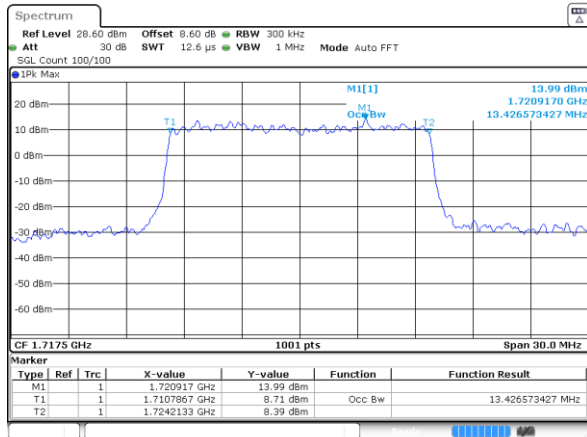


Date: 3 JUL 2019 14:50:03

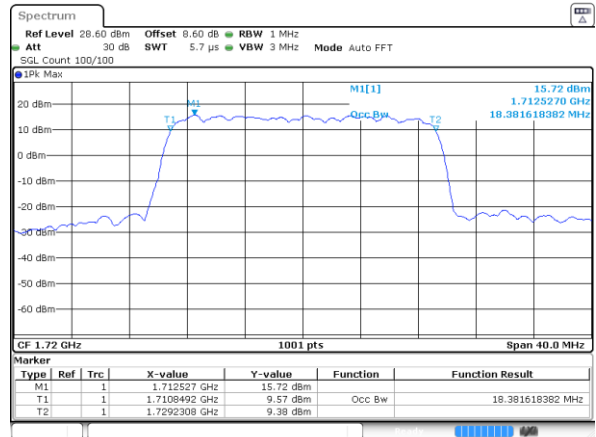


LTE Band 4

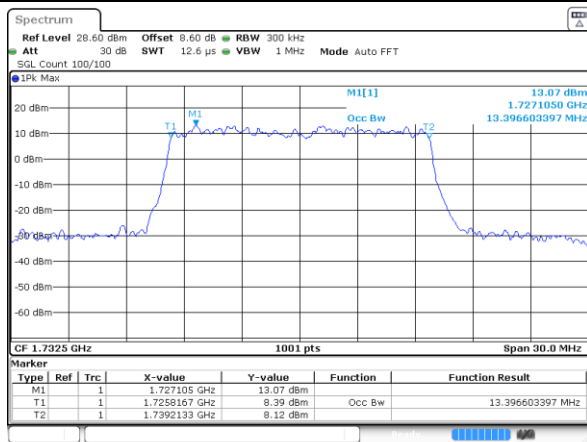
Lowest Channel / 15MHz / 64QAM



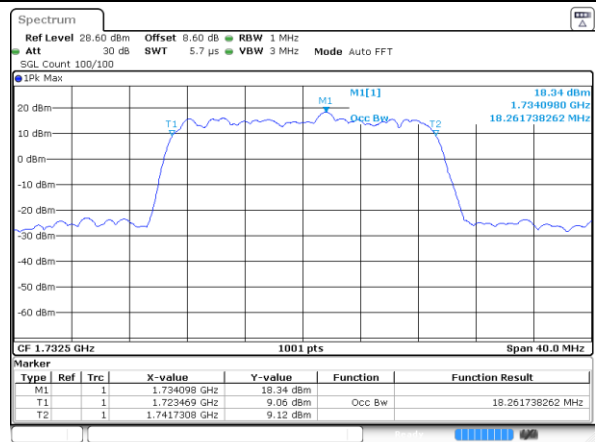
Lowest Channel / 20MHz / 64QAM



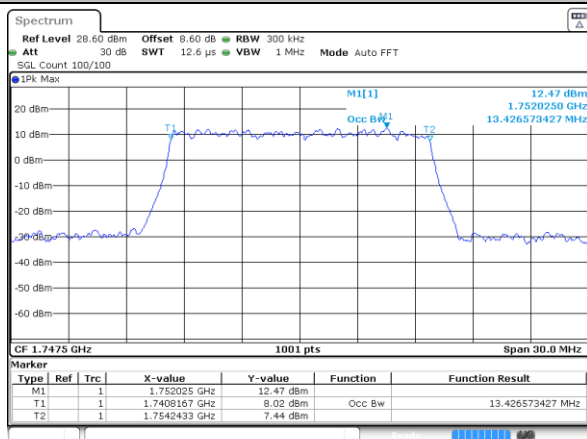
Middle Channel / 15MHz / 64QAM



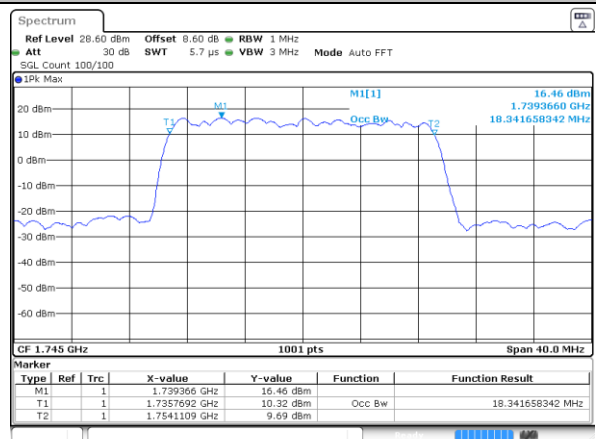
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



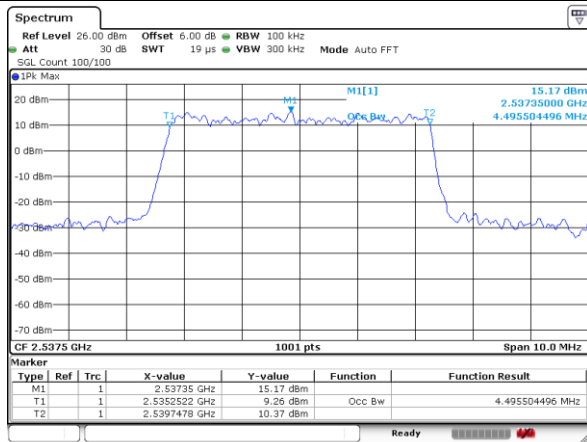
Highest Channel / 20MHz / 64QAM





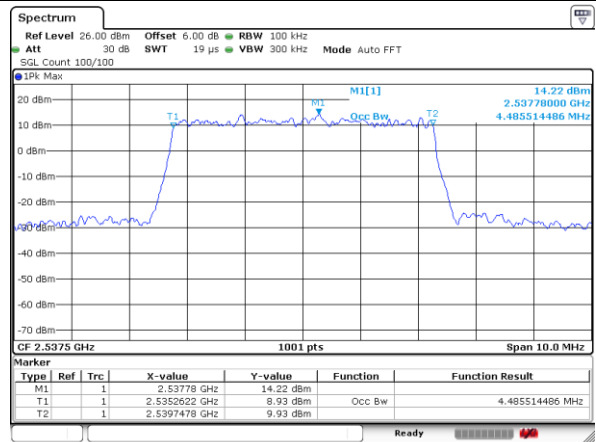
LTE Band 41

Lowest Channel / 5MHz / QPSK



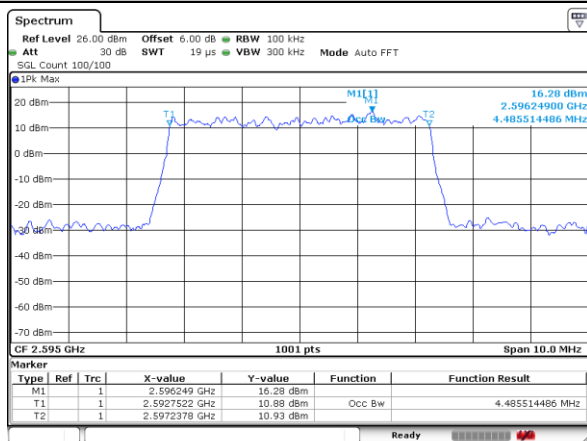
Date: 4 JUL 2019 10:14:55

Lowest Channel / 5MHz / 16QAM



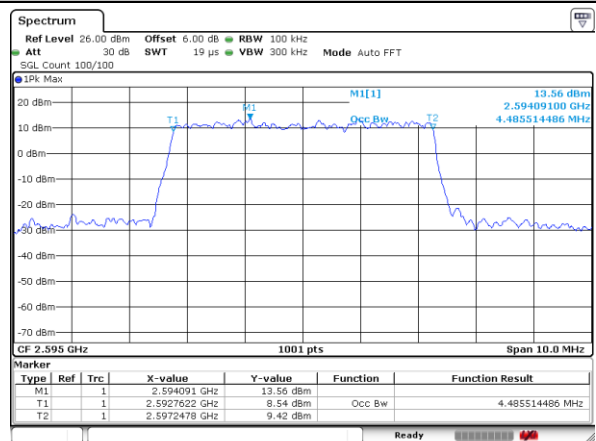
Date: 4 JUL 2019 10:14:39

Middle Channel / 5MHz / QPSK



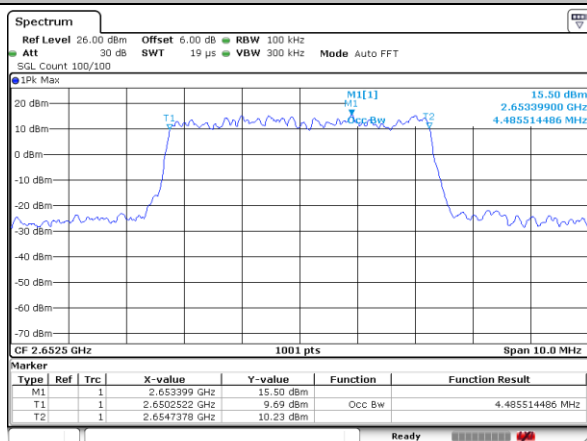
Date: 4 JUL 2019 10:12:58

Middle Channel / 5MHz / 16QAM



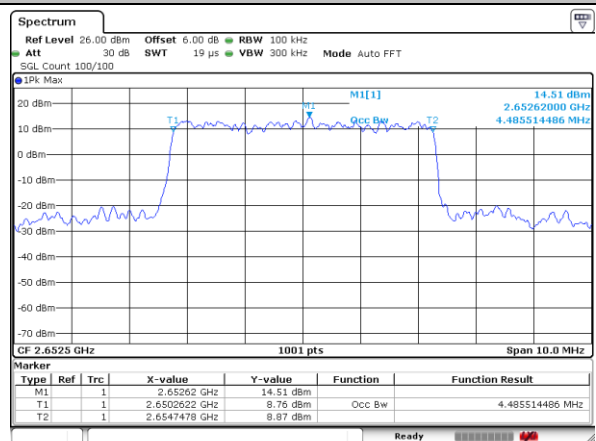
Date: 4 JUL 2019 10:13:25

Highest Channel / 5MHz / QPSK



Date: 4 JUL 2019 10:15:43

Highest Channel / 5MHz / 16QAM

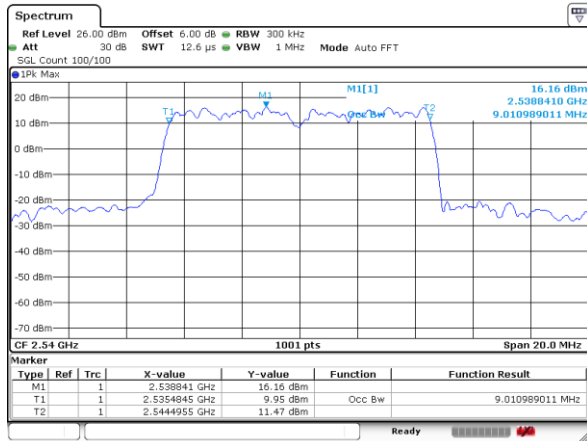


Date: 4 JUL 2019 10:16:07



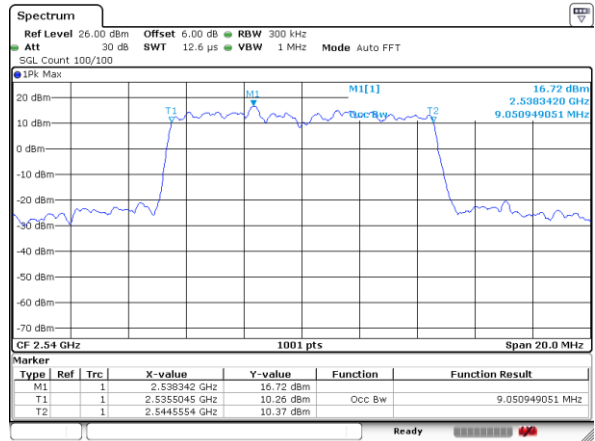
LTE Band 41

Lowest Channel / 10MHz / QPSK



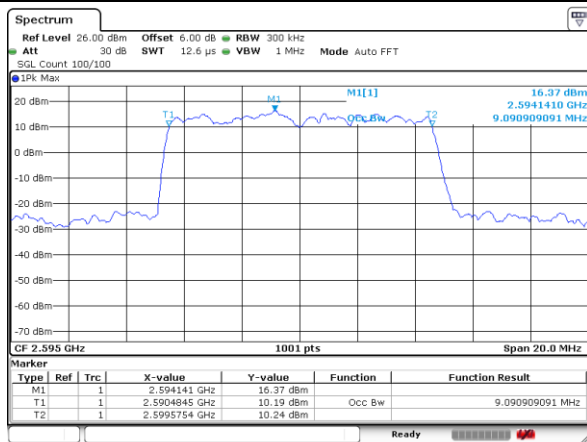
Date: 4 JUL 2019 10:18:40

Lowest Channel / 10MHz / 16QAM



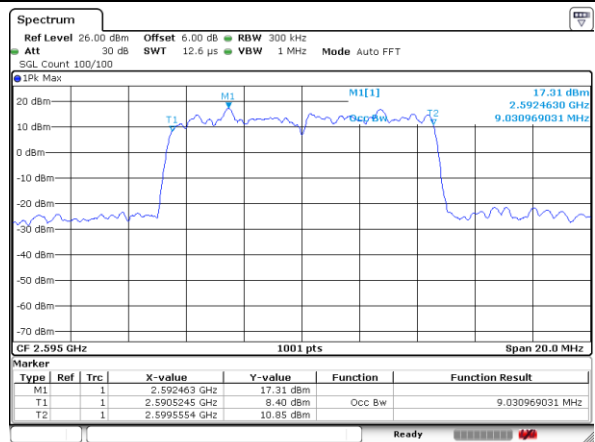
Date: 4 JUL 2019 10:19:06

Middle Channel / 10MHz / QPSK



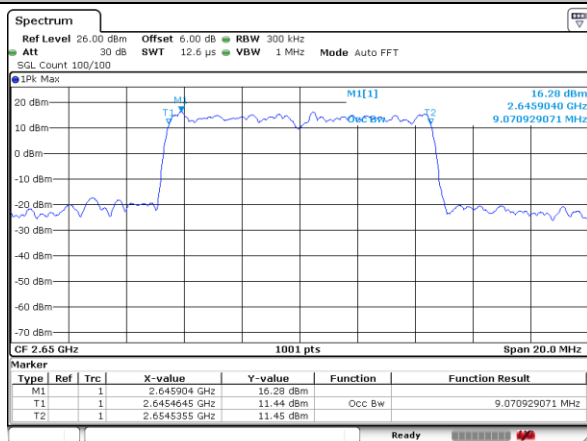
Date: 4 JUL 2019 10:18:09

Middle Channel / 10MHz / 16QAM



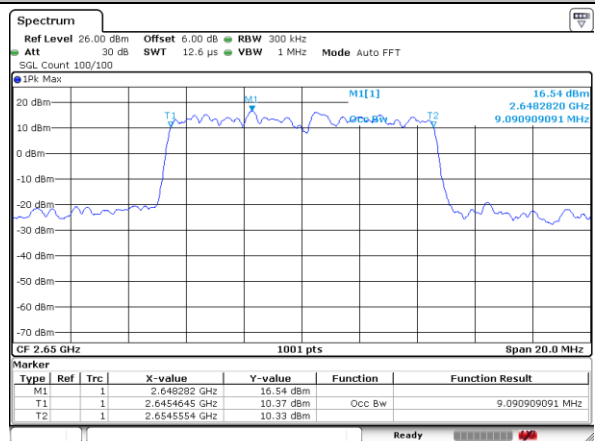
Date: 4 JUL 2019 10:17:49

Highest Channel / 10MHz / QPSK



Date: 4 JUL 2019 10:20:45

Highest Channel / 10MHz / 16QAM

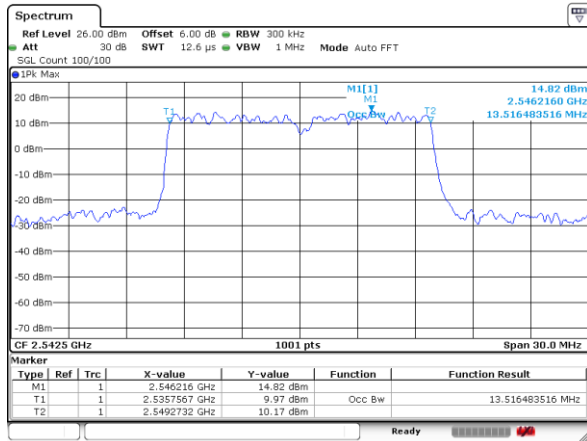


Date: 4 JUL 2019 10:20:22



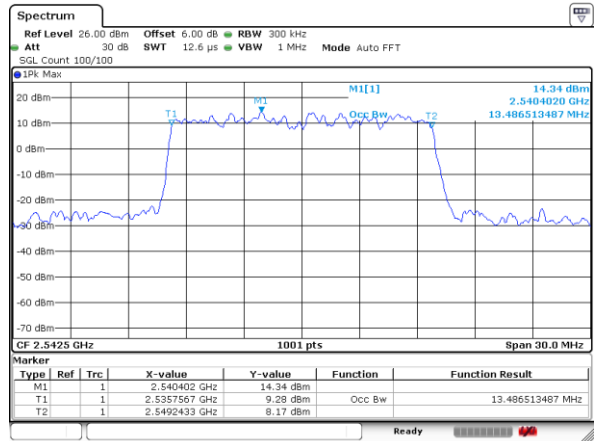
LTE Band 41

Lowest Channel / 15MHz / QPSK



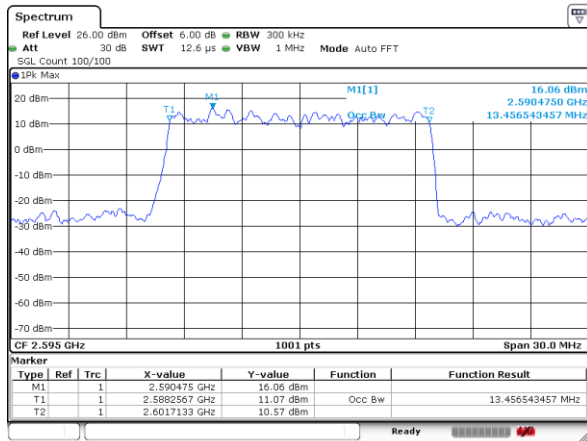
Date: 4 JUL 2019 10:23:50

Lowest Channel / 15MHz / 16QAM



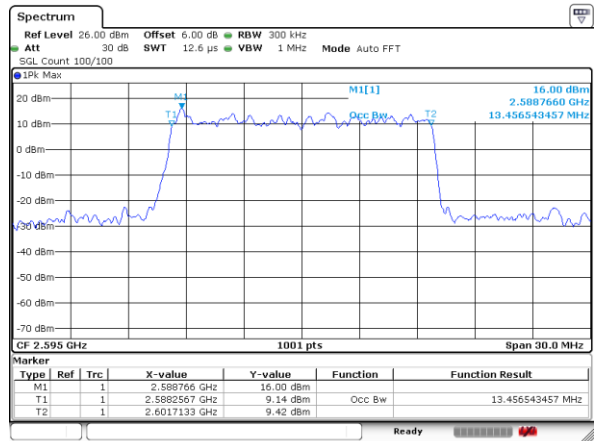
Date: 4 JUL 2019 10:23:32

Middle Channel / 15MHz / QPSK



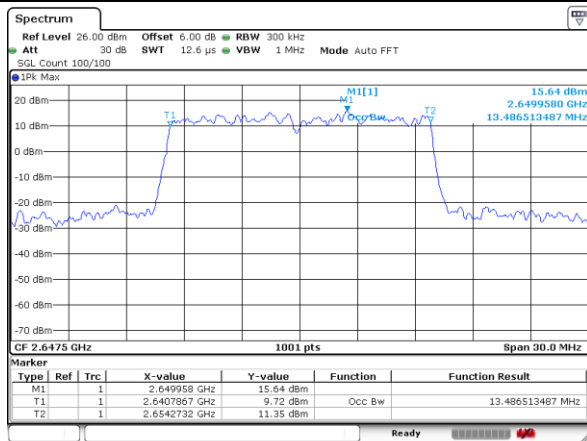
Date: 4 JUL 2019 10:21:50

Middle Channel / 15MHz / 16QAM



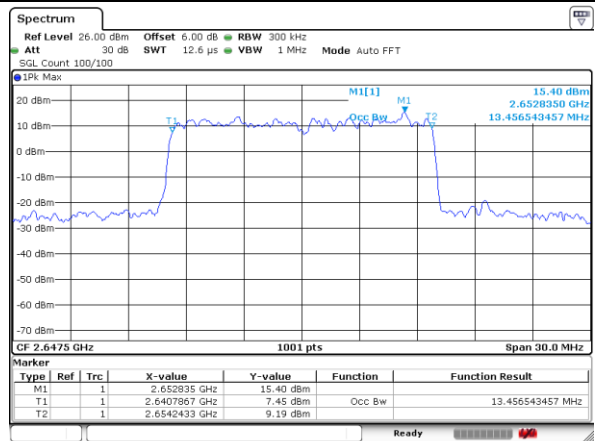
Date: 4 JUL 2019 10:22:13

Highest Channel / 15MHz / QPSK



Date: 4 JUL 2019 10:24:23

Highest Channel / 15MHz / 16QAM

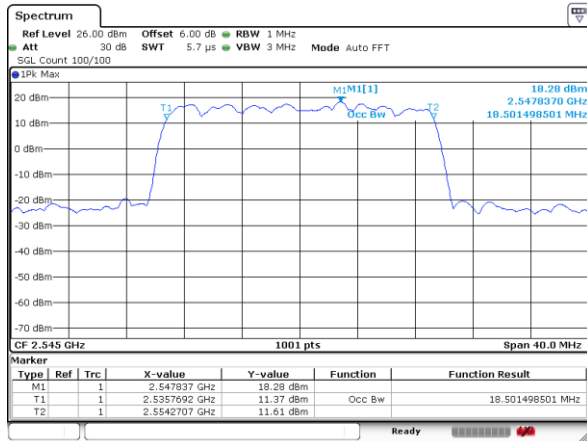


Date: 4 JUL 2019 10:24:53



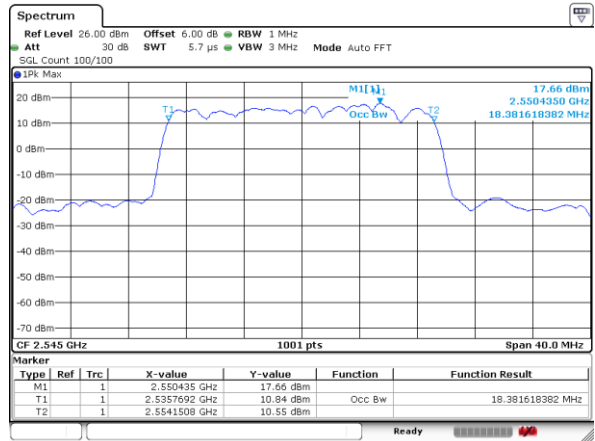
LTE Band 41

Lowest Channel / 20MHz / QPSK



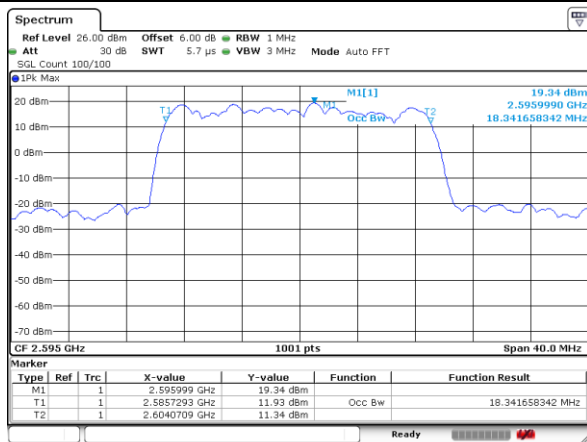
Date: 4 JUL 2019 10:27:24

Lowest Channel / 20MHz / 16QAM



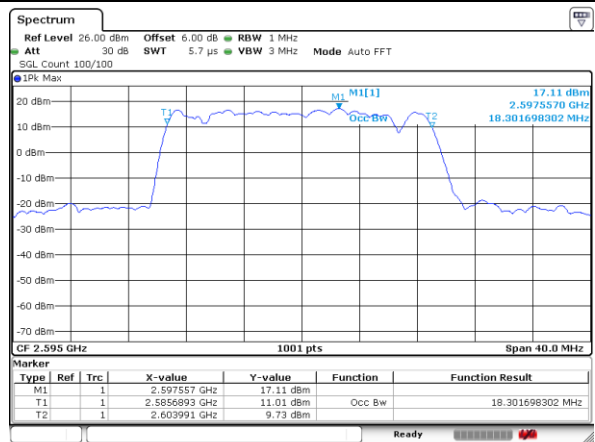
Date: 4 JUL 2019 10:27:47

Middle Channel / 20MHz / QPSK



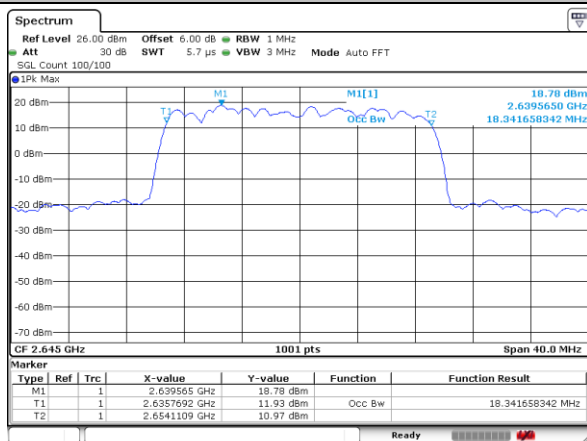
Date: 4 JUL 2019 10:26:53

Middle Channel / 20MHz / 16QAM



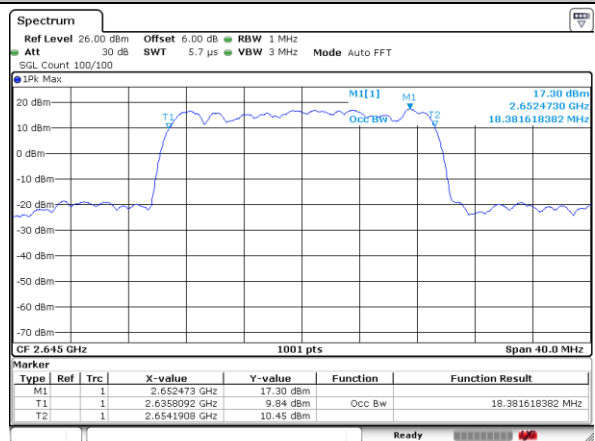
Date: 4 JUL 2019 10:26:33

Highest Channel / 20MHz / QPSK



Date: 4 JUL 2019 10:29:27

Highest Channel / 20MHz / 16QAM

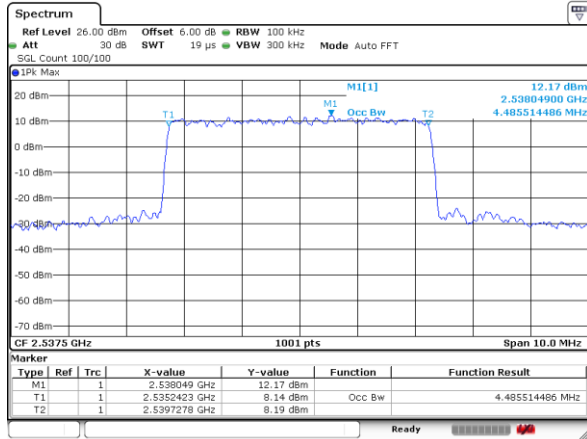


Date: 4 JUL 2019 10:29:10



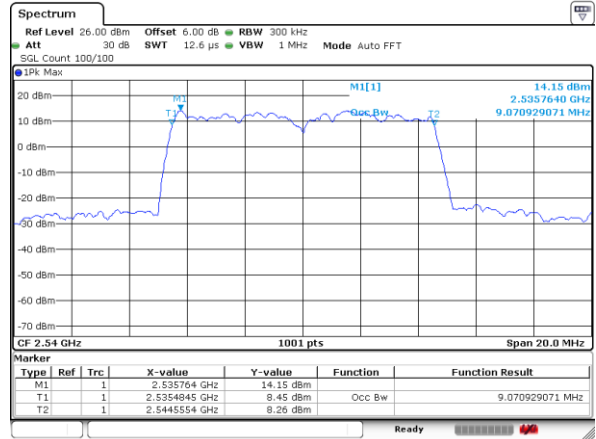
LTE Band 41

Lowest Channel / 5MHz / 64QAM



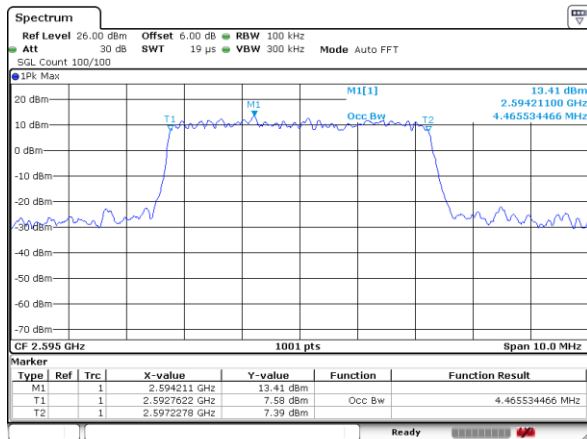
Date: 4 JUL 2019 10:14:14

Lowest Channel / 10MHz / 64QAM



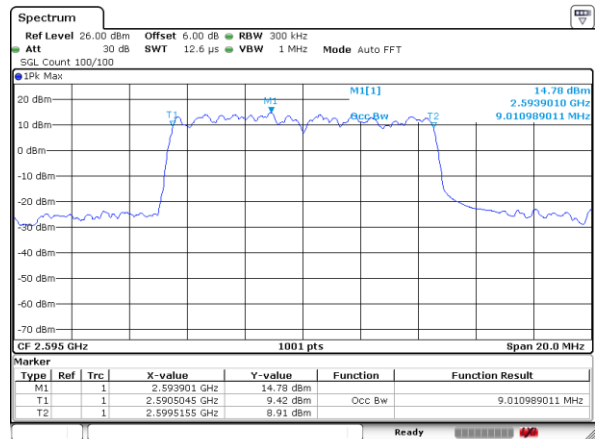
Date: 4 JUL 2019 10:19:24

Middle Channel / 5MHz / 64QAM



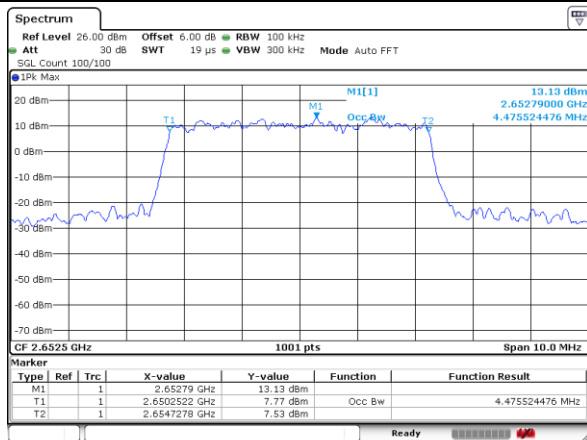
Date: 4 JUL 2019 10:13:42

Middle Channel / 10MHz / 64QAM



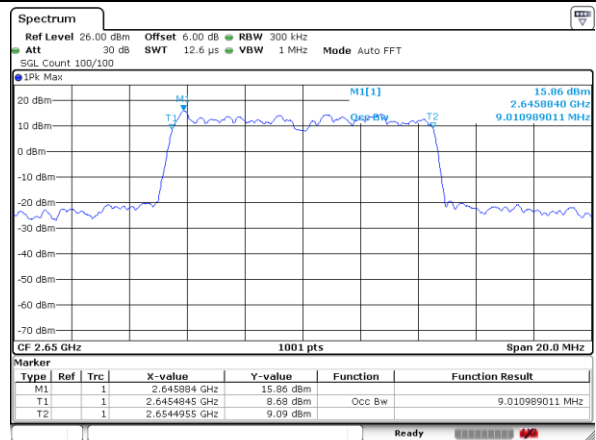
Date: 4 JUL 2019 10:17:26

Highest Channel / 5MHz / 64QAM



Date: 4 JUL 2019 10:16:19

Highest Channel / 10MHz / 64QAM

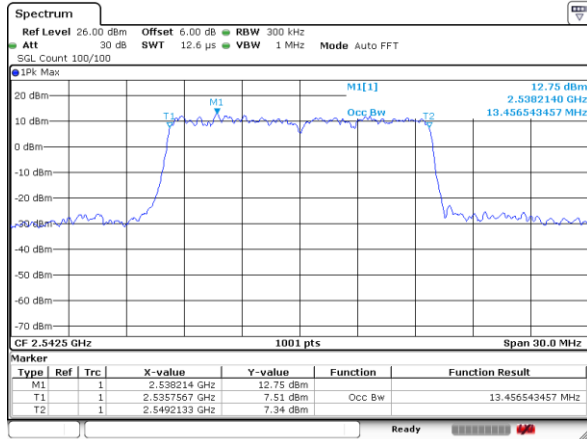


Date: 4 JUL 2019 10:19:59



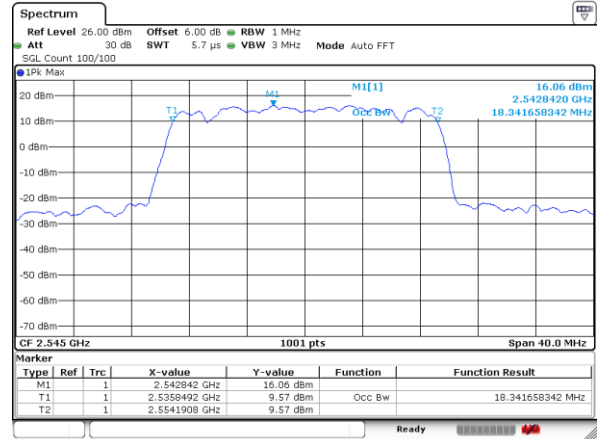
LTE Band 41

Lowest Channel / 15MHz / 64QAM



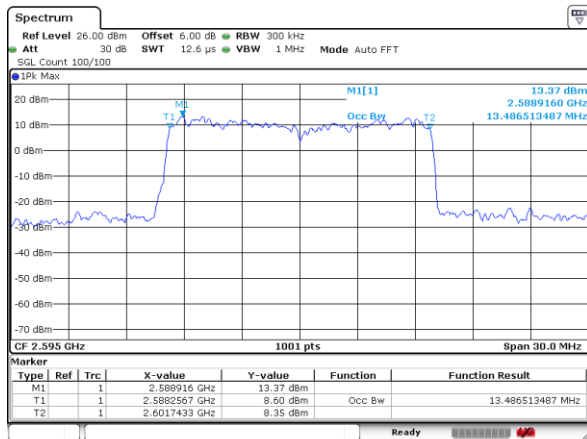
Date: 4 JUL 2019 10:23:03

Lowest Channel / 20MHz / 64QAM



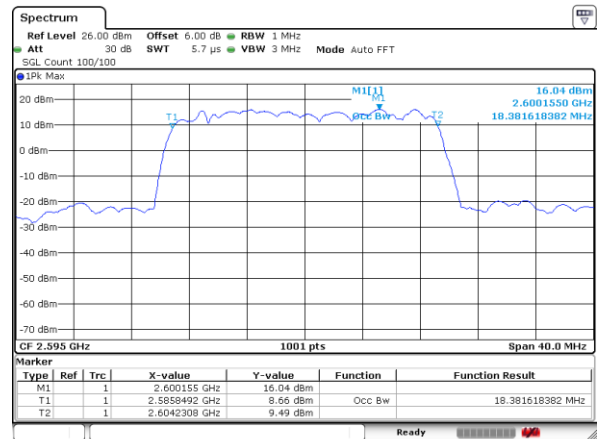
Date: 4 JUL 2019 10:28:12

Middle Channel / 15MHz / 64QAM



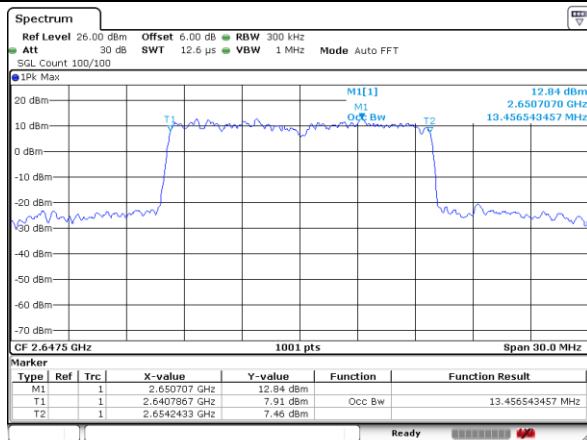
Date: 4 JUL 2019 10:22:31

Middle Channel / 20MHz / 64QAM



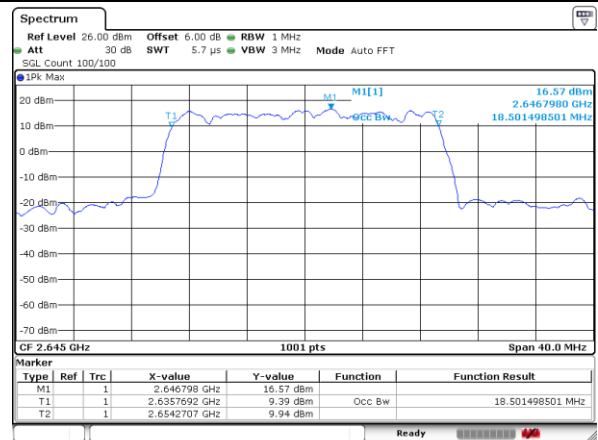
Date: 4 JUL 2019 10:26:11

Highest Channel / 15MHz / 64QAM



Date: 4 JUL 2019 10:25:18

Highest Channel / 20MHz / 64QAM



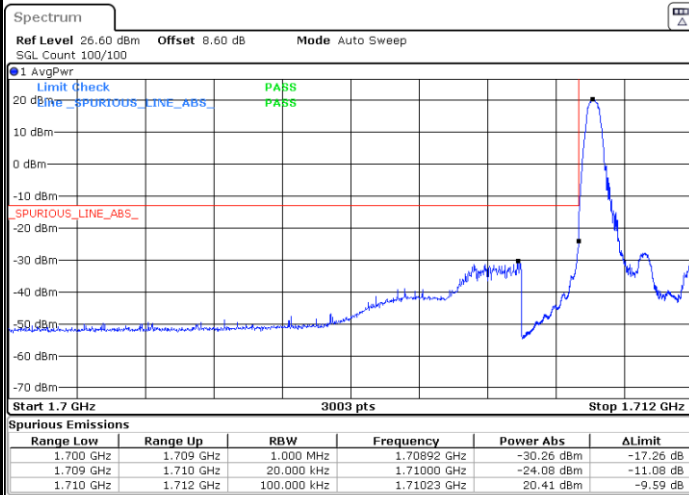
Date: 4 JUL 2019 10:28:41



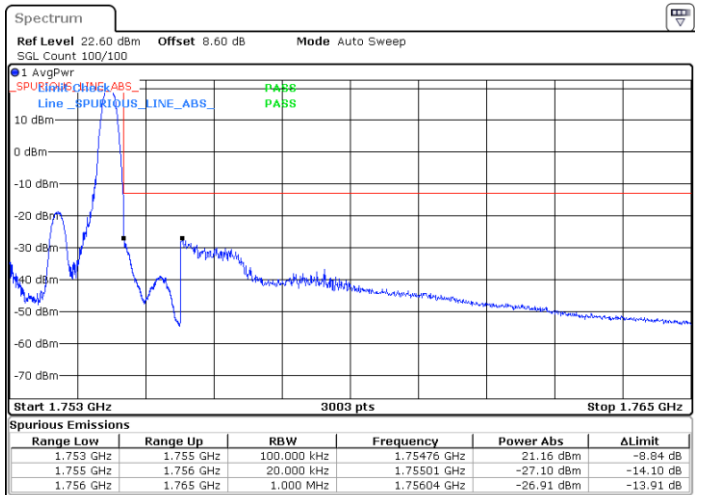
Conducted Band Edge

LTE Band 4 / 1.4MHz / QPSK

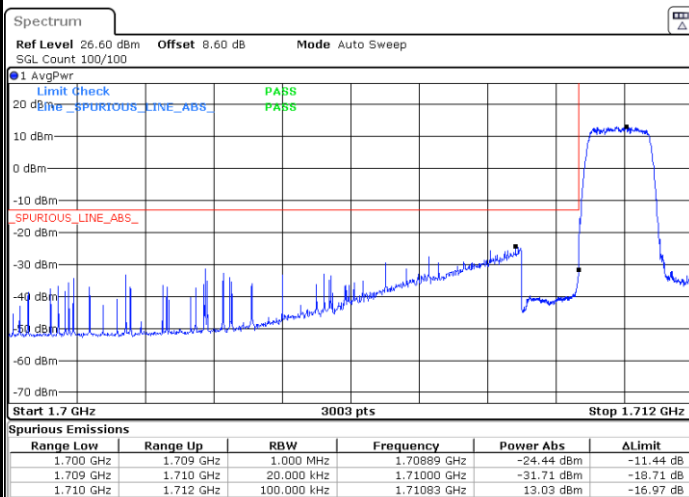
Lowest Band Edge / 1RB



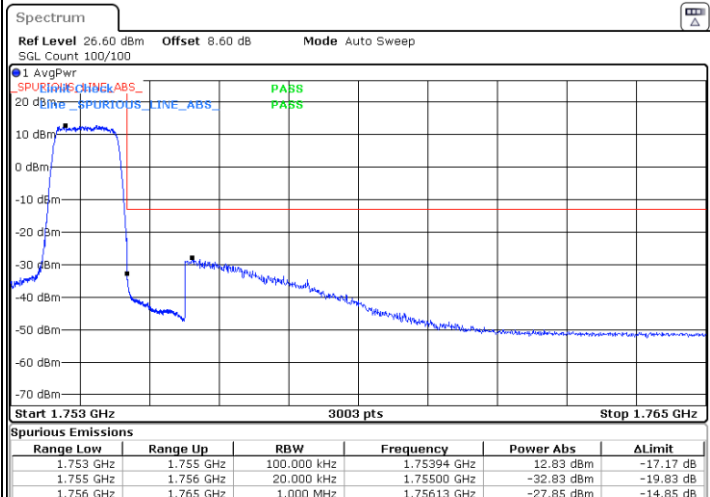
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



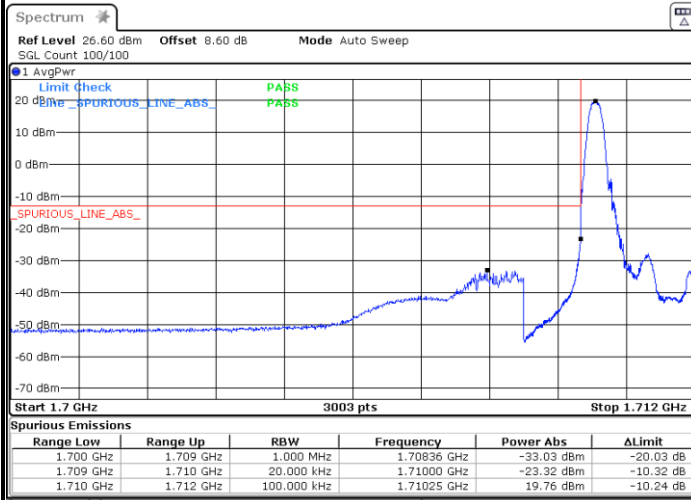
Highest Band Edge / Full RB



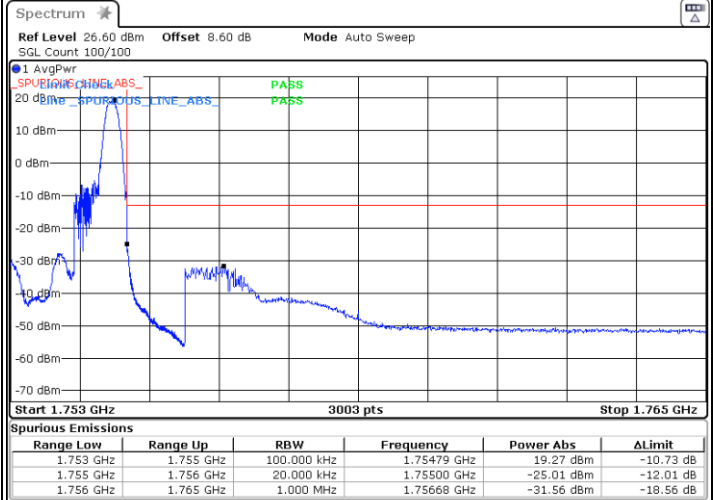


LTE Band 4 / 1.4MHz / 16QAM

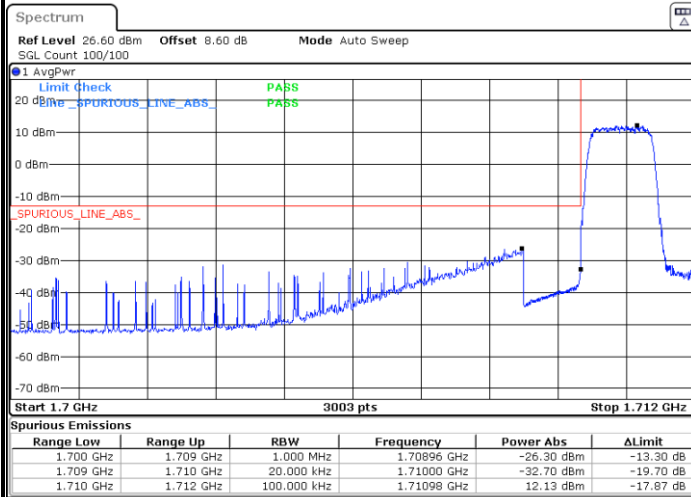
Lowest Band Edge / 1 RB



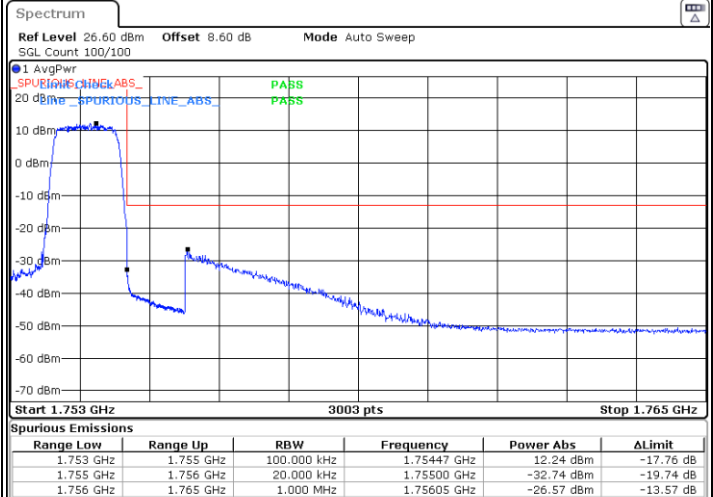
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



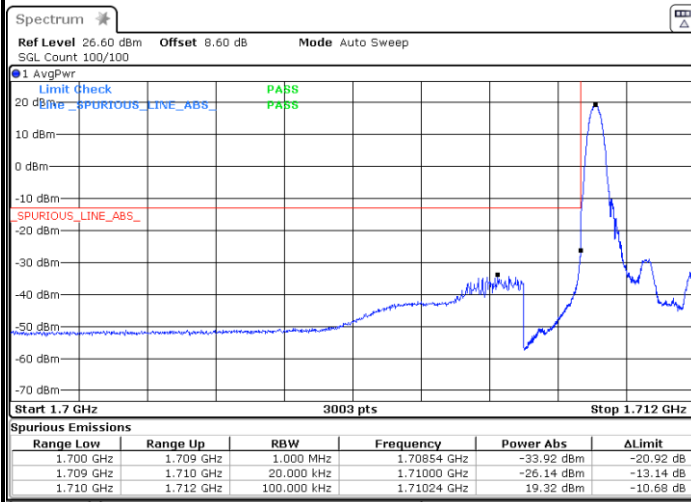
Highest Band Edge / Full RB



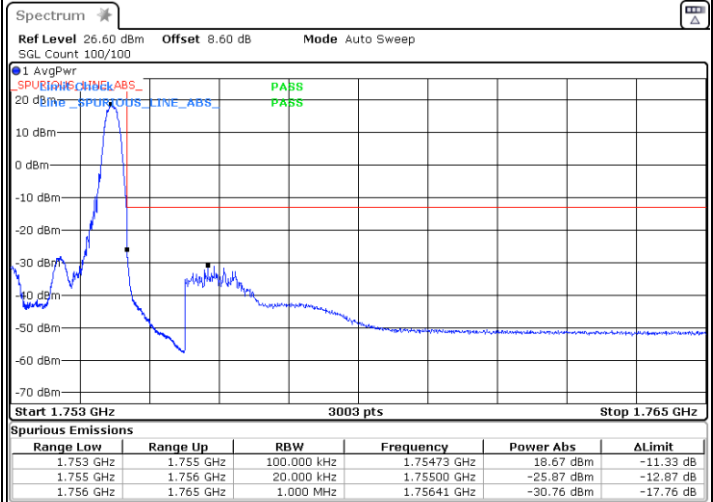


LTE Band 4 / 1.4MHz / 64QAM

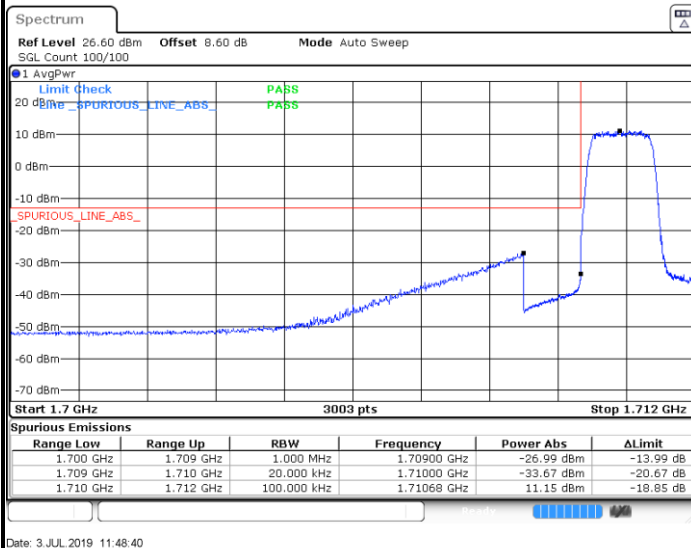
Lowest Band Edge / 1 RB



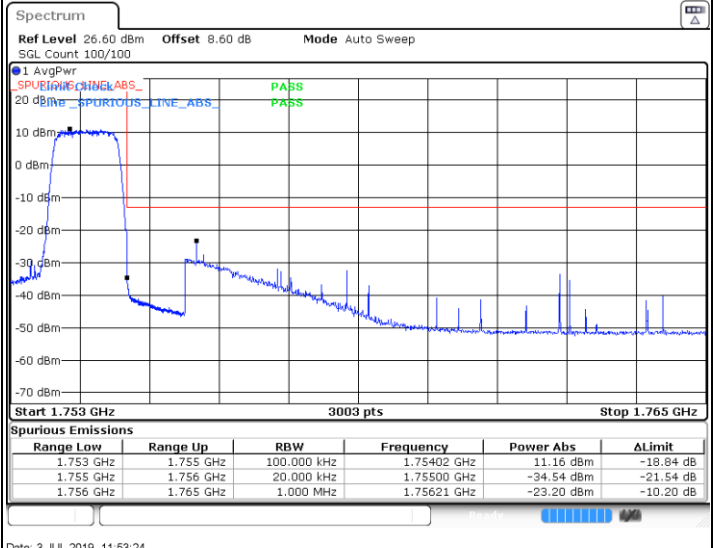
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



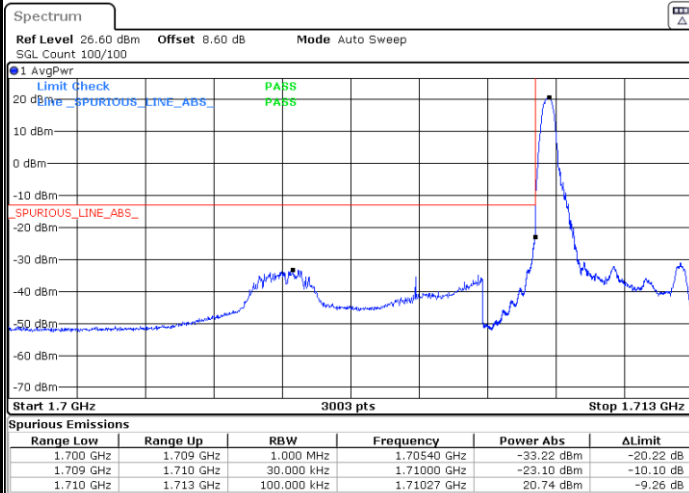
Highest Band Edge / Full RB



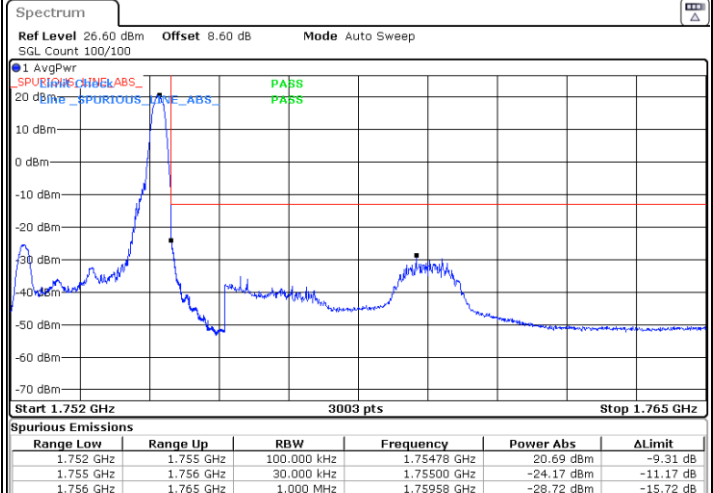


LTE Band 4 / 3MHz / QPSK

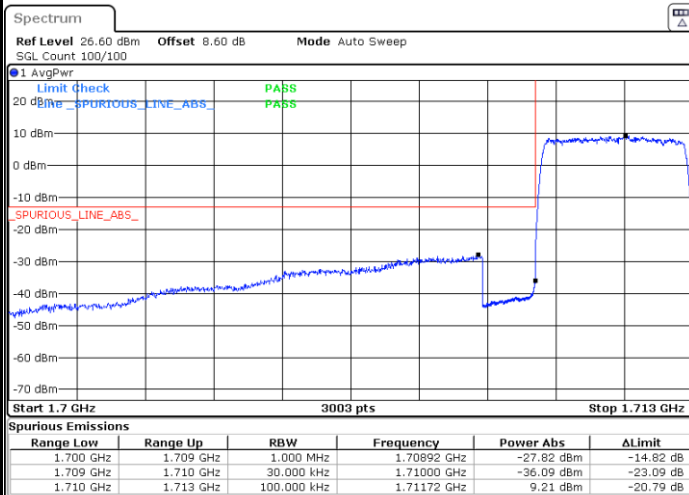
Lowest Band Edge / 1RB



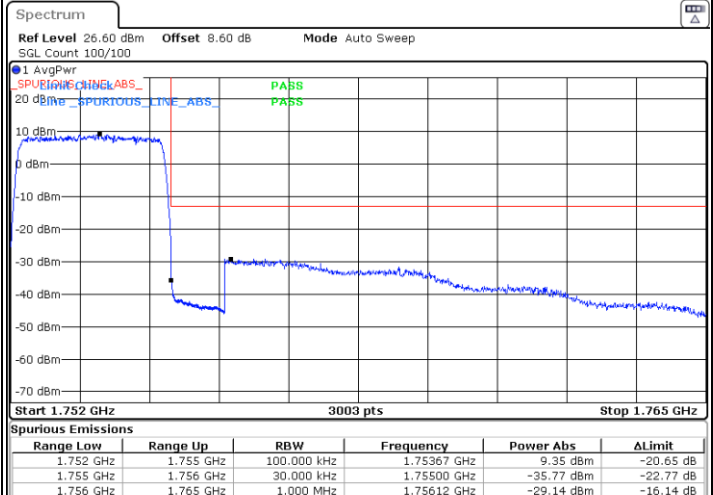
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



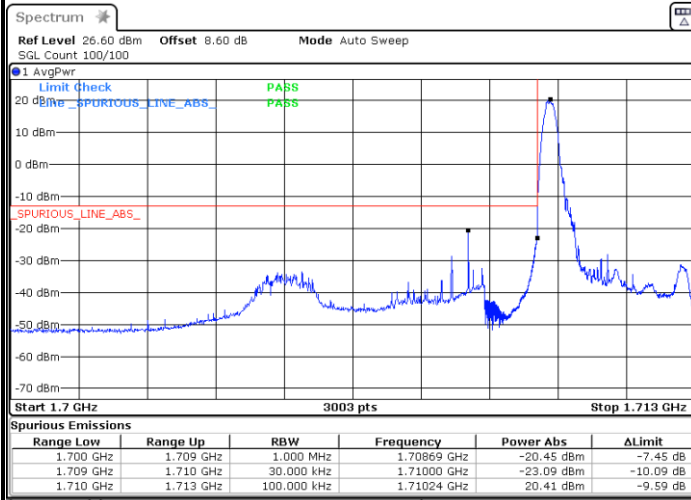
Highest Band Edge / Full RB



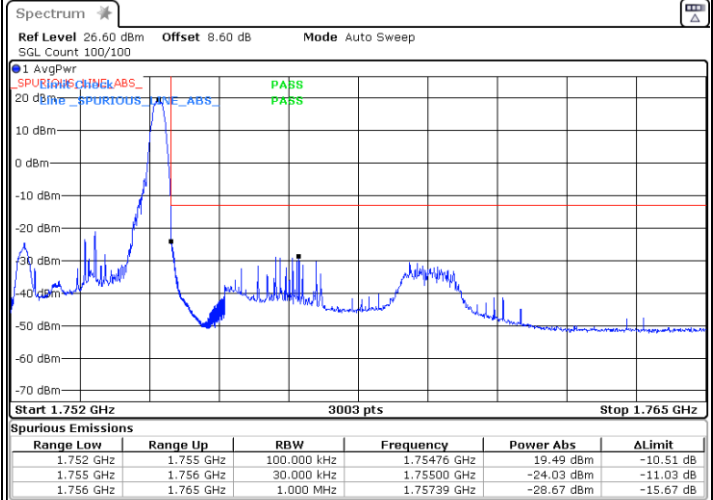


LTE Band 4 / 3MHz / 16QAM

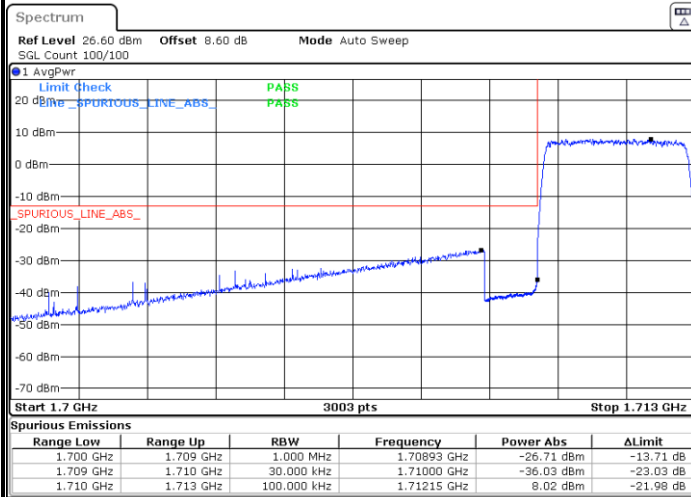
Lowest Band Edge / 1 RB



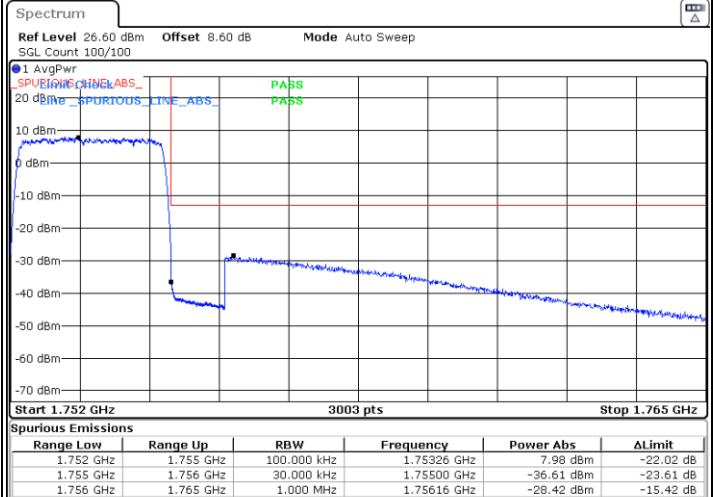
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



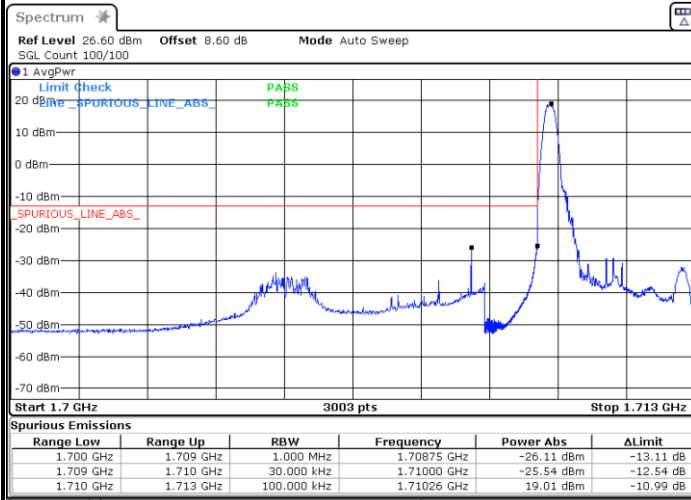
Highest Band Edge / Full RB



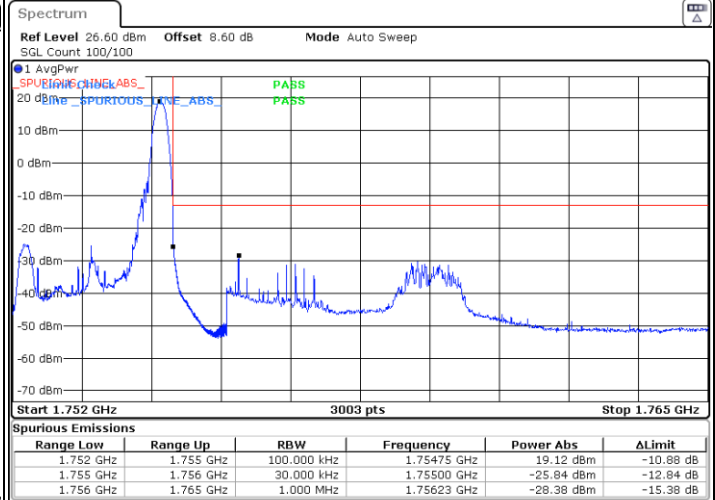


LTE Band 4 / 3MHz / 64QAM

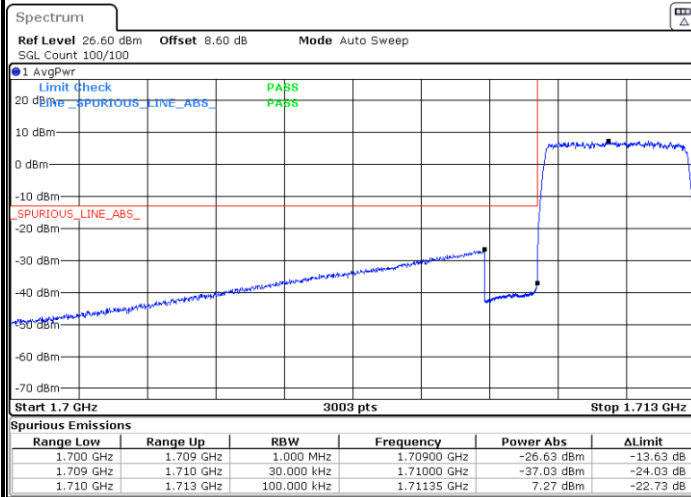
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

