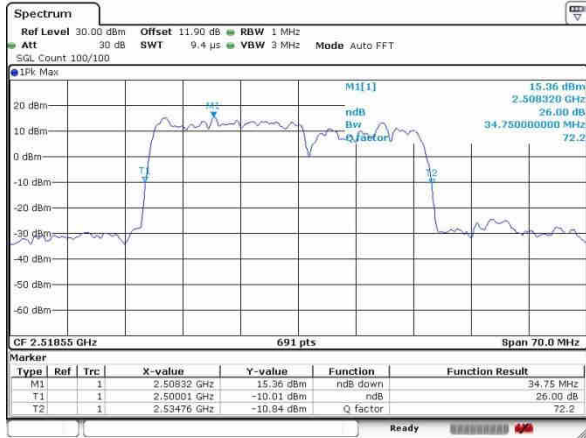




LTE Band 7

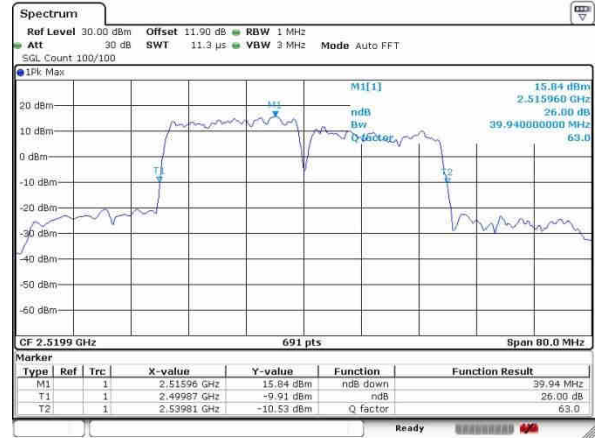
64QAM

Lowest Channel / 20MHz+15MHz



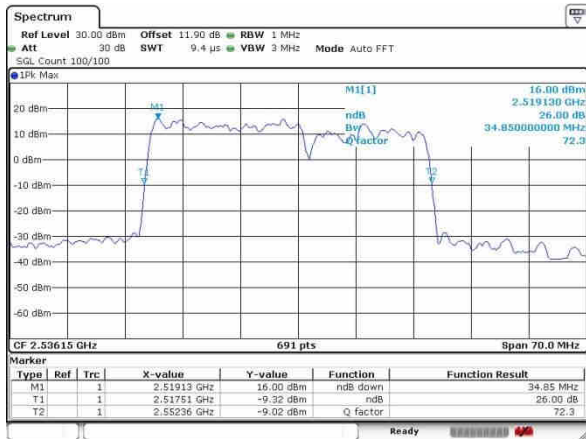
Date: 27 SEP 2017 17:31:57

Lowest Channel / 20MHz+20MHz



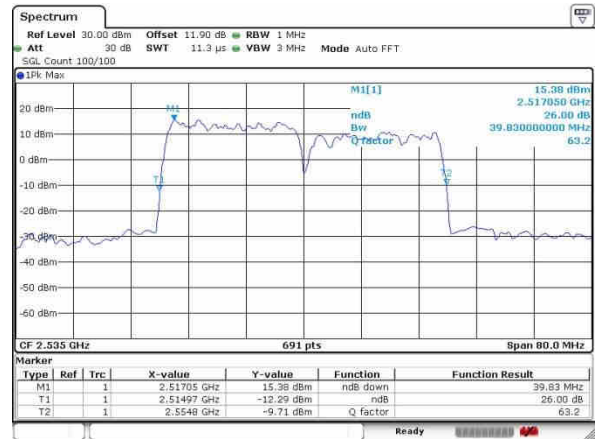
Date: 30 SEP 2017 11:13:20

Middle Channel / 20MHz+15MHz



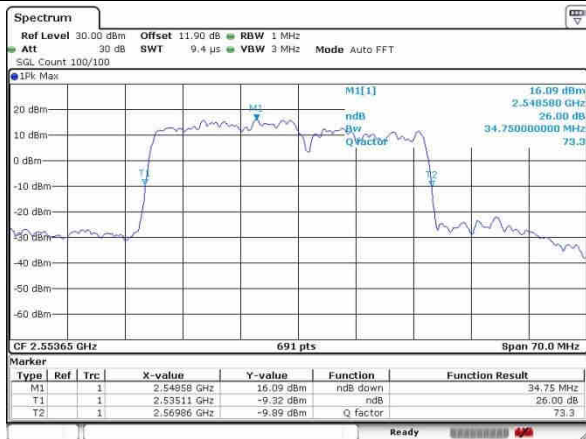
Date: 30 SEP 2017 12:15:51

Middle Channel / 20MHz+20MHz



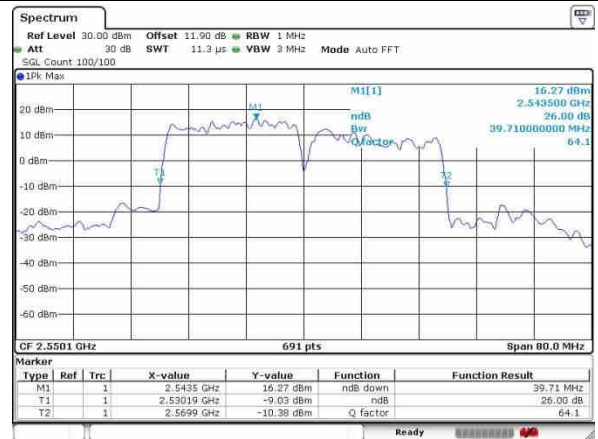
Date: 30 SEP 2017 11:17:32

Highest Channel / 20MHz+15MHz



Date: 30 SEP 2017 12:17:53

Highest Channel / 20MHz+20MHz



Date: 30 SEP 2017 11:20:13



Occupied Bandwidth

| Mode | LTE Band 7 : 99%OBW(MHz) | | |
|------------|--------------------------|-------------|-------------|
| QPSK | | | |
| BW | 10MHz+20MHz | 15MHz+15MHz | 15MHz+20MHz |
| Lowest CH | 27.7 | 27.96 | 32.72 |
| Middle CH | 27.87 | 28.65 | 32.62 |
| Highest CH | 28.05 | 28.22 | 32.42 |
| BW | 20MHz+10MHz | 20MHz+15MHz | 20MHz+20MHz |
| Lowest CH | 28.05 | 32.42 | 37.51 |
| Middle CH | 28.05 | 32.82 | 37.4 |
| Highest CH | 27.79 | 32.72 | 37.51 |

| Mode | LTE Band 7 : 99%OBW(MHz) | | |
|------------|--------------------------|-------------|-------------|
| 16QAM | | | |
| BW | 10MHz+20MHz | 15MHz+15MHz | 15MHz+20MHz |
| Lowest CH | 27.7 | 28.22 | 32.92 |
| Middle CH | 28.13 | 28.65 | 32.62 |
| Highest CH | 28.22 | 28.22 | 32.42 |
| BW | 20MHz+10MHz | 20MHz+15MHz | 20MHz+20MHz |
| Lowest CH | 27.79 | 32.92 | 37.74 |
| Middle CH | 28.05 | 33.02 | 37.63 |
| Highest CH | 27.87 | 32.42 | 37.16 |

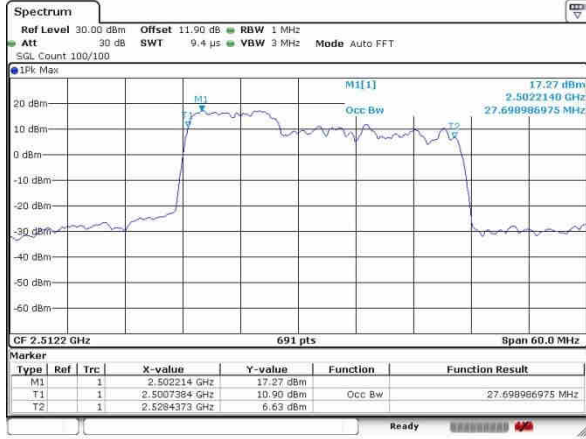
| Mode | LTE Band 7 : 99%OBW(MHz) | | |
|------------|--------------------------|-------------|-------------|
| 64QAM | | | |
| BW | 10MHz+20MHz | 15MHz+15MHz | 15MHz+20MHz |
| Lowest CH | 27.53 | 28.31 | 32.42 |
| Middle CH | 27.7 | 28.57 | 32.72 |
| Highest CH | 27.7 | 28.57 | 32.42 |
| BW | 20MHz+10MHz | 20MHz+15MHz | 20MHz+20MHz |
| Lowest CH | 28.05 | 32.62 | 37.74 |
| Middle CH | 28.13 | 32.82 | 37.28 |
| Highest CH | 28.13 | 32.42 | 37.04 |



LTE Band 7

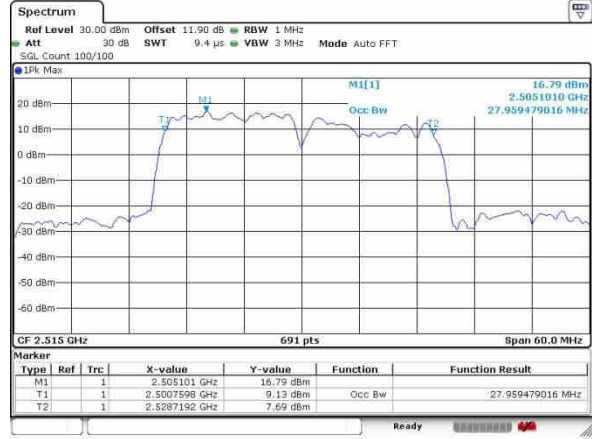
QPSK

Lowest Channel / 10MHz+20MHz



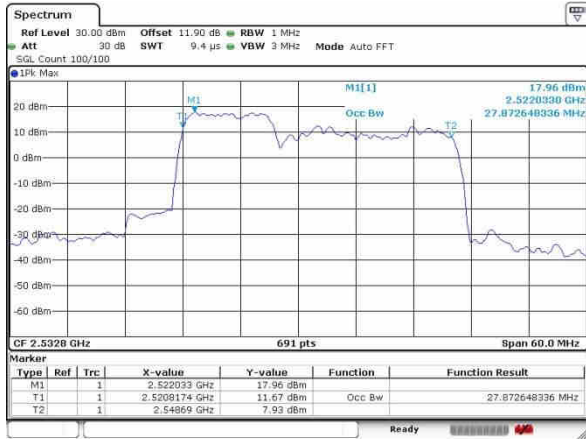
Date: 27 SEP 2017 11:05:08

Lowest Channel / 15MHz+15MHz



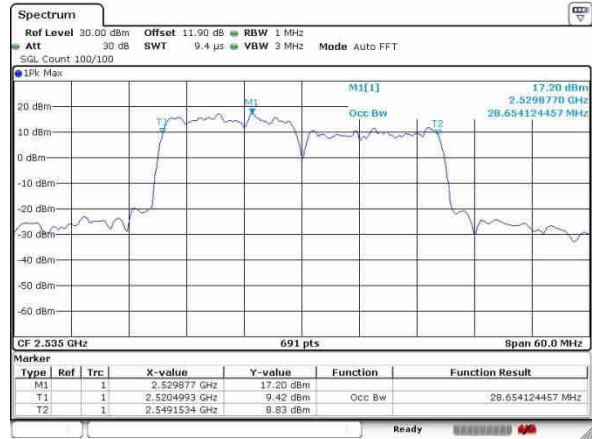
Date: 27 SEP 2017 15:18:27

Middle Channel / 10MHz+20MHz



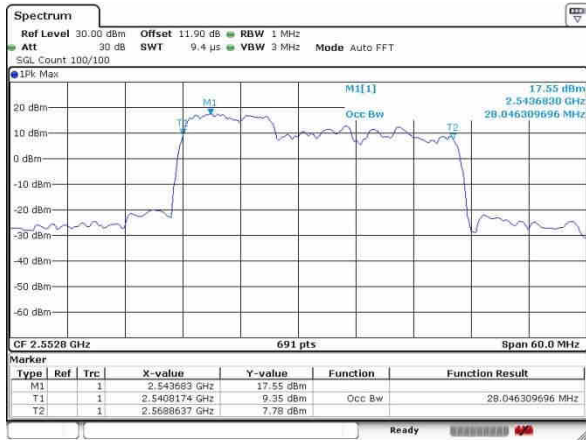
Date: 27 SEP 2017 13:42:34

Middle Channel / 15MHz+15MHz



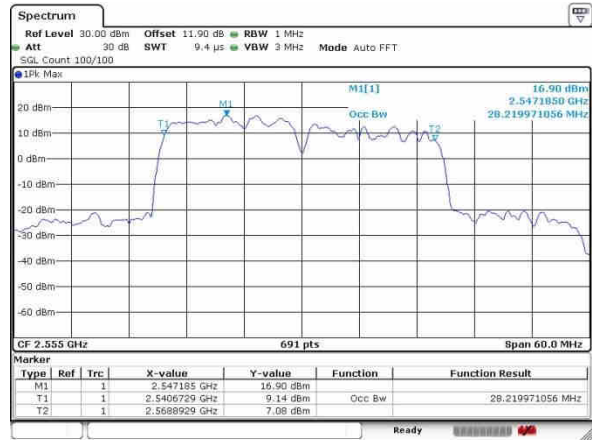
Date: 27 SEP 2017 16:00:28

Highest Channel / 10MHz+20MHz



Date: 27 SEP 2017 13:48:48

Highest Channel / 15MHz+15MHz



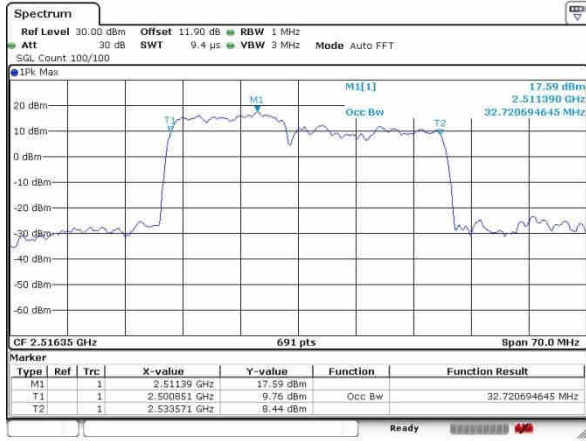
Date: 27 SEP 2017 16:00:20



LTE Band 7

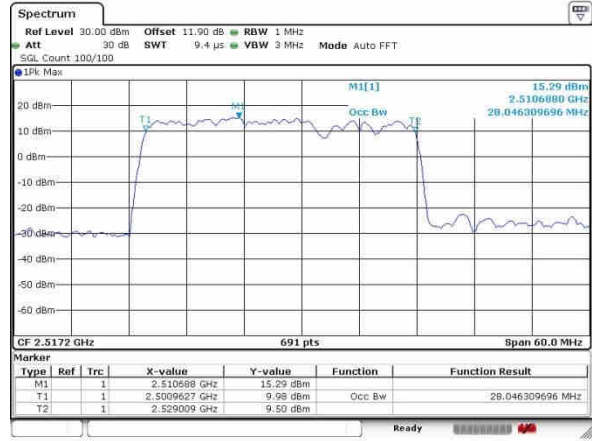
QPSK

Lowest Channel / 15MHz+20MHz



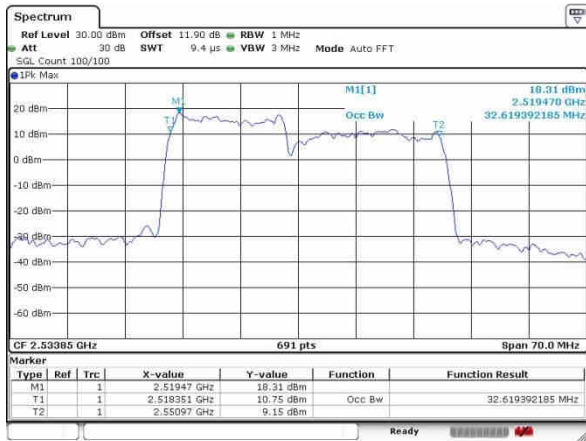
Date: 30 SEP 2017 12:05:08

Lowest Channel / 20MHz+10MHz



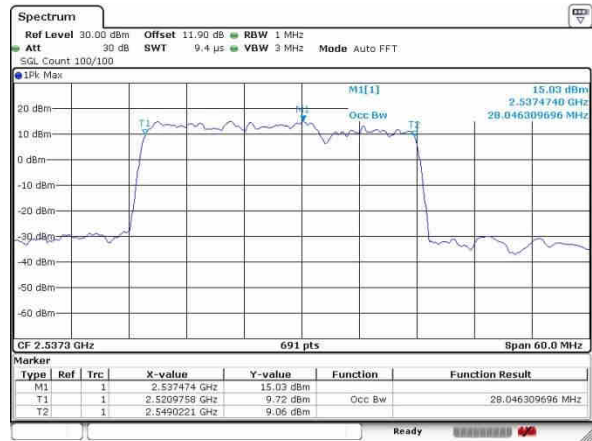
Date: 27 SEP 2017 13:58:52

Middle Channel / 15MHz+20MHz



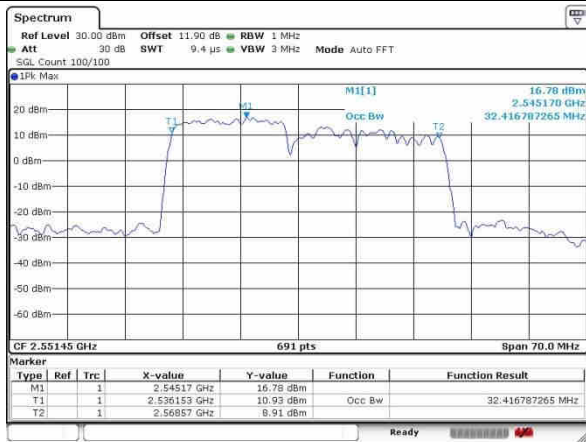
Date: 30 SEP 2017 12:08:55

Middle Channel / 20MHz+10MHz



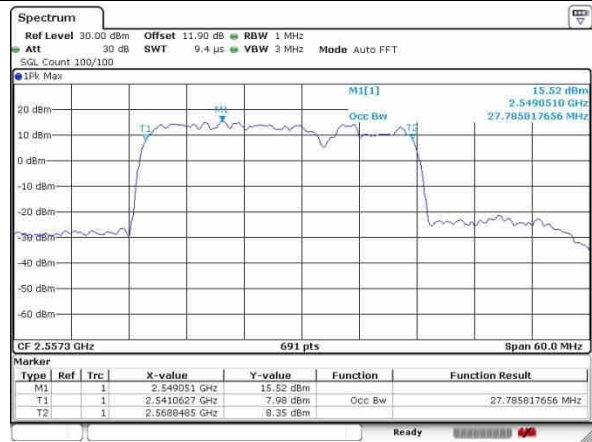
Date: 27 SEP 2017 15:00:42

Highest Channel / 15MHz+20MHz



Date: 30 SEP 2017 12:32:08

Highest Channel / 20MHz+10MHz



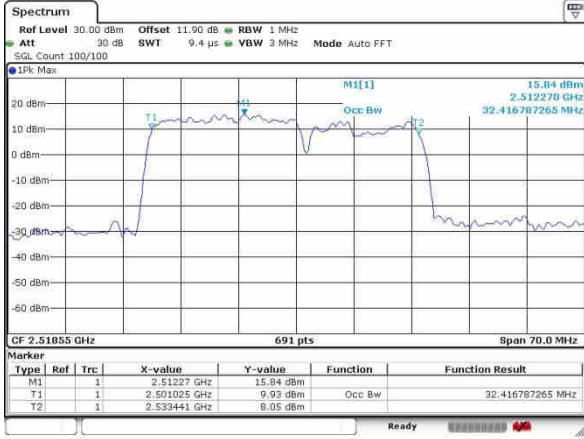
Date: 27 SEP 2017 15:07:31



LTE Band 7

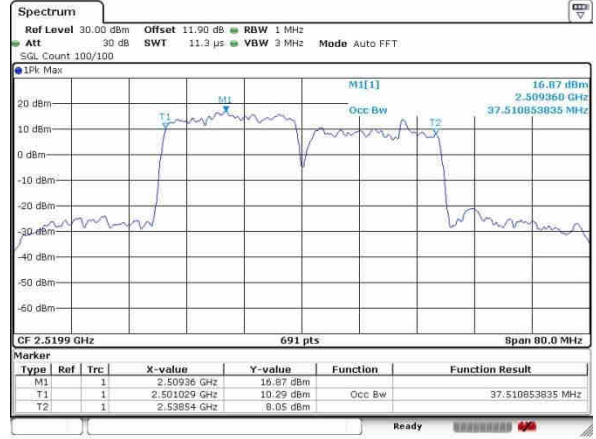
QPSK

Lowest Channel / 20MHz+15MHz



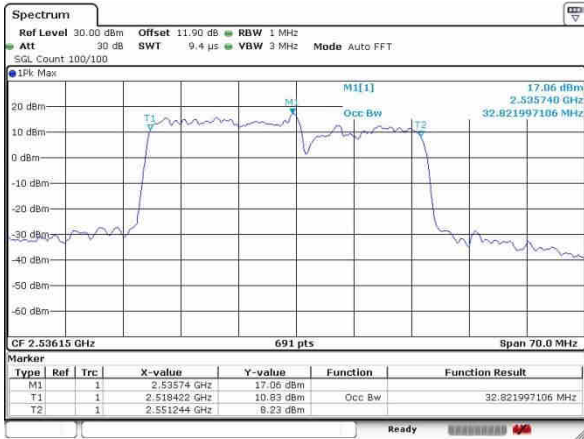
Date: 27 SEP 2017 17:25:58

Lowest Channel / 20MHz+20MHz



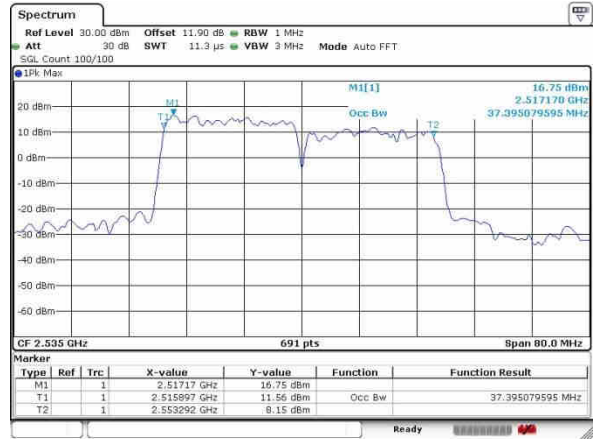
Date: 30 SEP 2017 11:12:41

Middle Channel / 20MHz+15MHz



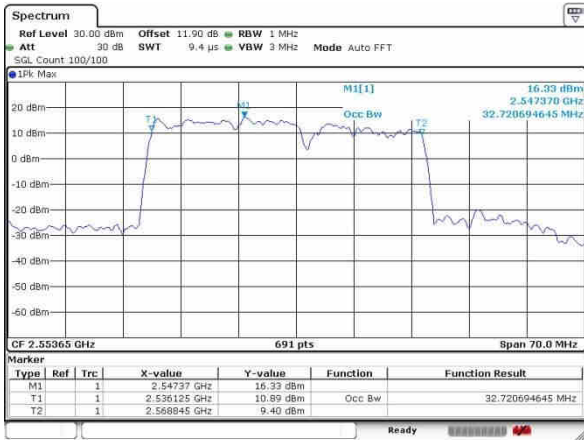
Date: 30 SEP 2017 12:16:23

Middle Channel / 20MHz+20MHz



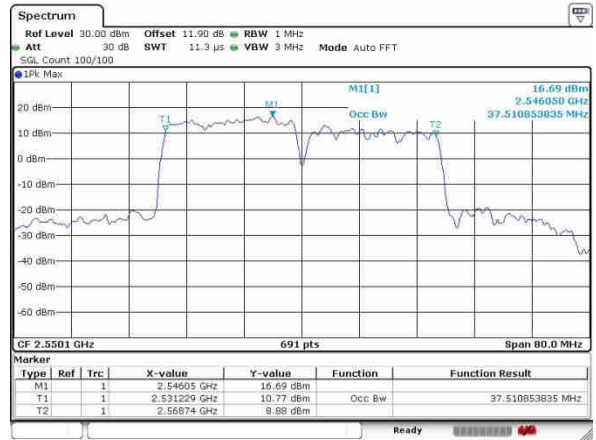
Date: 30 SEP 2017 11:18:19

Highest Channel / 20MHz+15MHz



Date: 30 SEP 2017 12:24:13

Highest Channel / 20MHz+20MHz



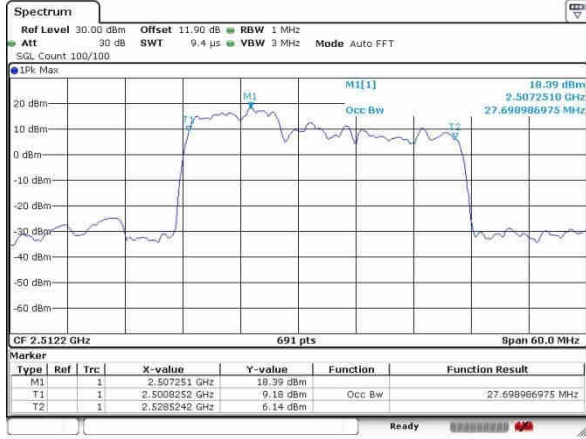
Date: 30 SEP 2017 11:19:15



LTE Band 7

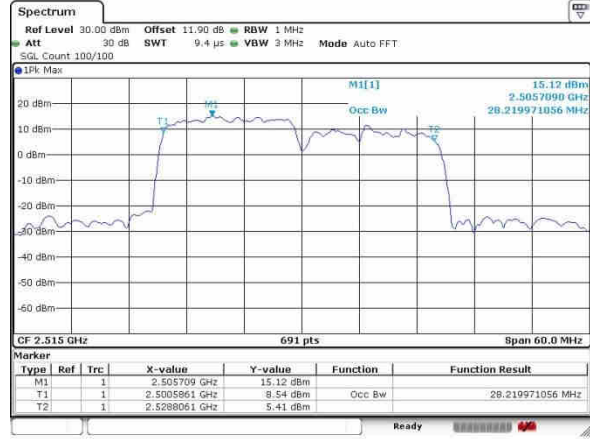
16QAM

Lowest Channel / 10MHz+20MHz



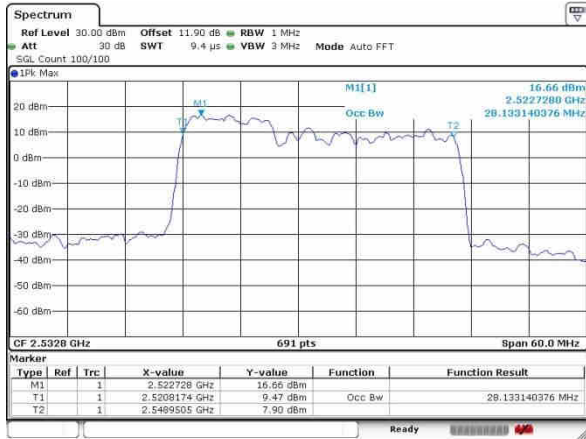
Date: 27 SEP 2017 11:05:19

Lowest Channel / 15MHz+15MHz



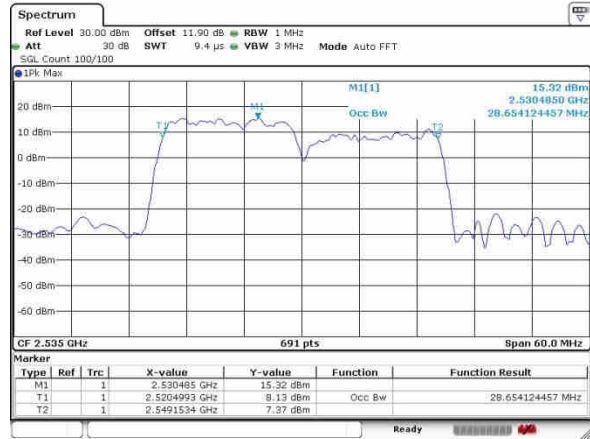
Date: 27 SEP 2017 15:18:38

Middle Channel / 10MHz+20MHz



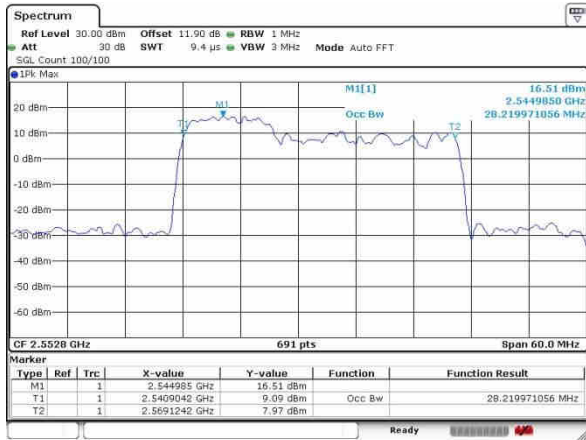
Date: 27 SEP 2017 13:42:47

Middle Channel / 15MHz+15MHz



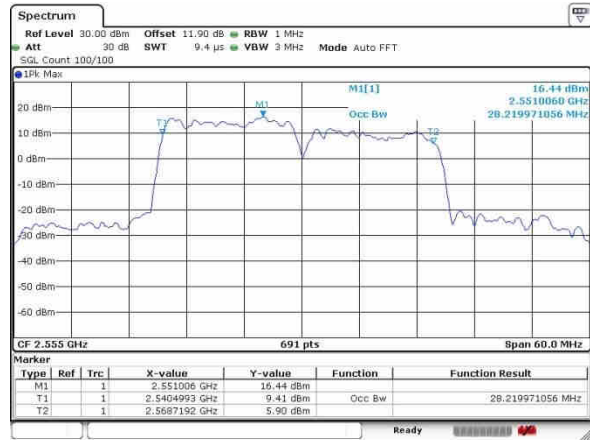
Date: 27 SEP 2017 16:00:46

Highest Channel / 10MHz+20MHz



Date: 27 SEP 2017 13:48:36

Highest Channel / 15MHz+15MHz



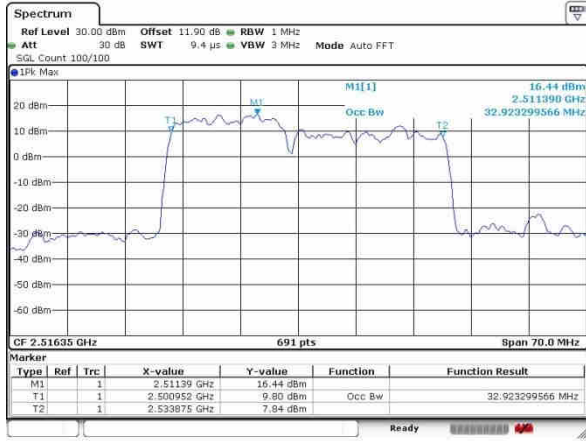
Date: 27 SEP 2017 16:06:10



LTE Band 7

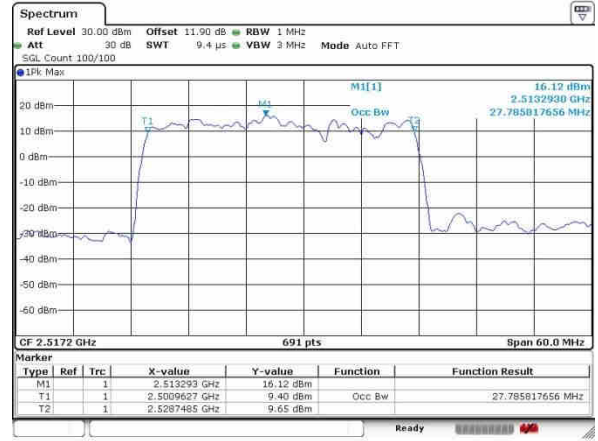
16QAM

Lowest Channel / 15MHz+20MHz



Date: 30 SEP 2017 12:05:47

Lowest Channel / 20MHz+10MHz



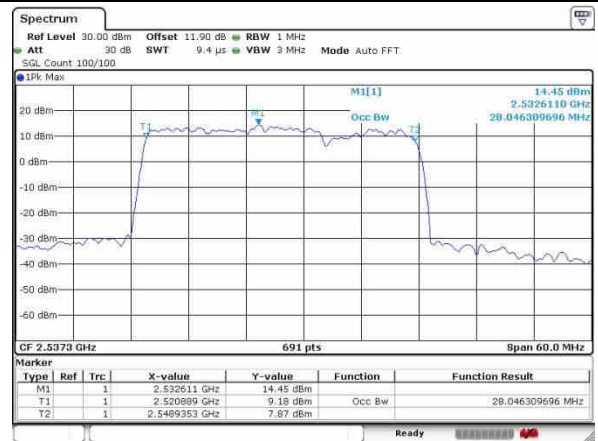
Date: 27 SEP 2017 13:59:03

Middle Channel / 15MHz+20MHz



Date: 30 SEP 2017 12:08:48

Middle Channel / 20MHz+10MHz



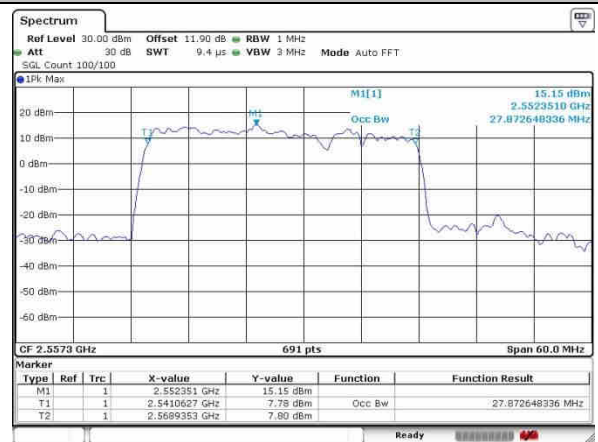
Date: 27 SEP 2017 15:00:53

Highest Channel / 15MHz+20MHz



Date: 30 SEP 2017 12:10:09

Highest Channel / 20MHz+10MHz



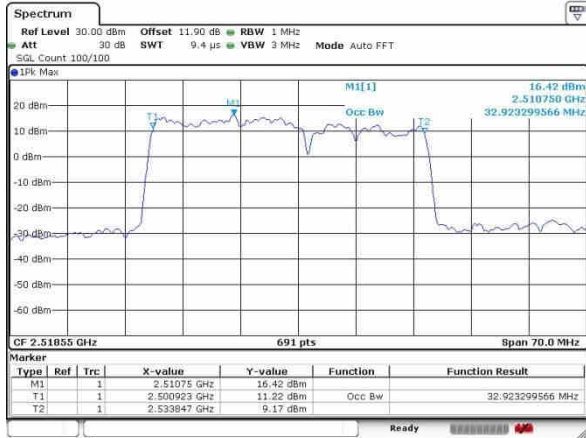
Date: 27 SEP 2017 15:07:19



LTE Band 7

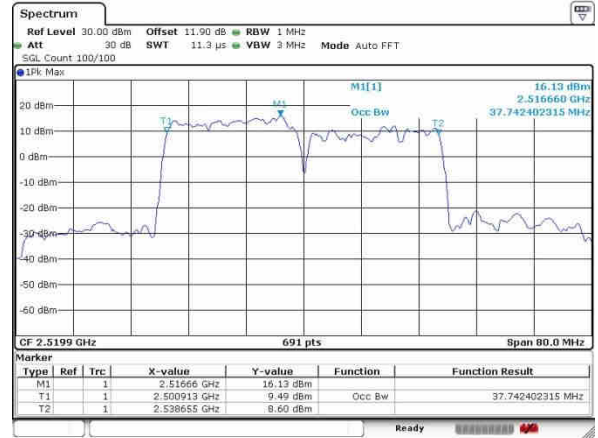
16QAM

Lowest Channel / 20MHz+15MHz



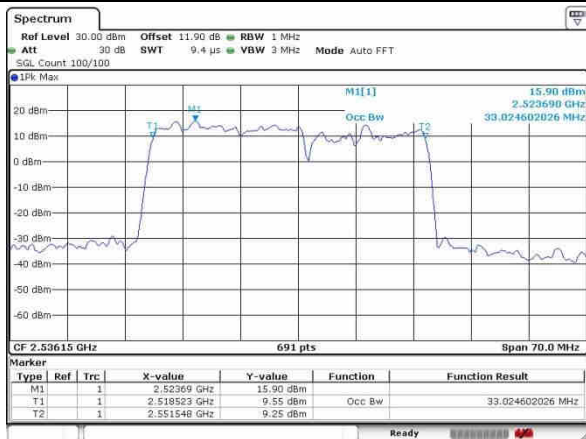
Date: 27 SEP 2017 17:27:53

Lowest Channel / 20MHz+20MHz



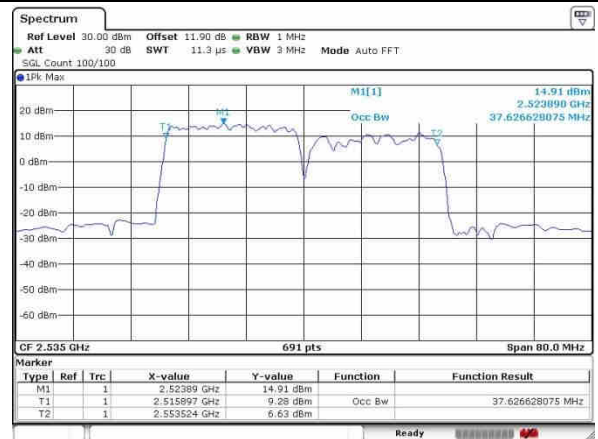
Date: 30 SEP 2017 11:12:51

Middle Channel / 20MHz+15MHz



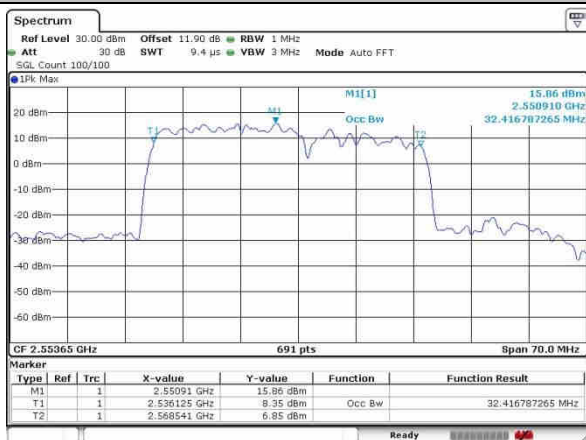
Date: 30 SEP 2017 12:16:12

Middle Channel / 20MHz+20MHz



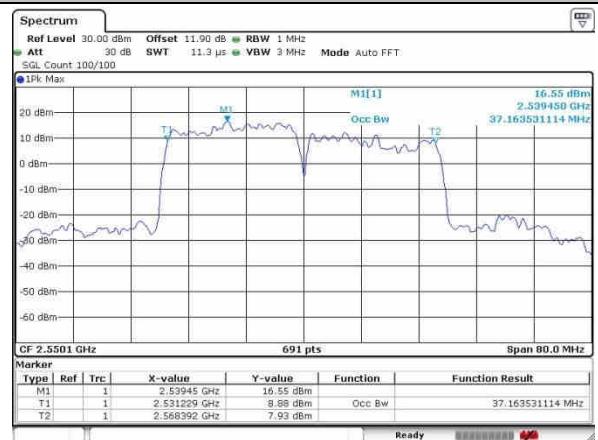
Date: 30 SEP 2017 11:18:06

Highest Channel / 20MHz+15MHz



Date: 30 SEP 2017 12:17:20

Highest Channel / 20MHz+20MHz



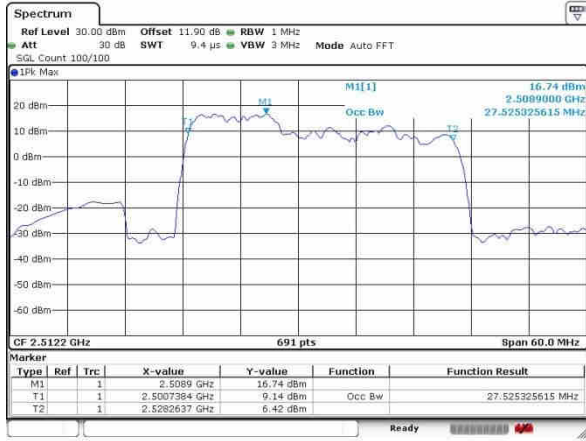
Date: 30 SEP 2017 11:19:25



LTE Band 7

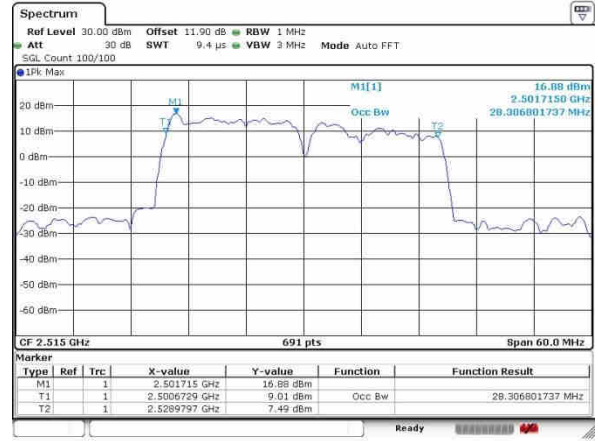
64QAM

Lowest Channel / 10MHz+20MHz



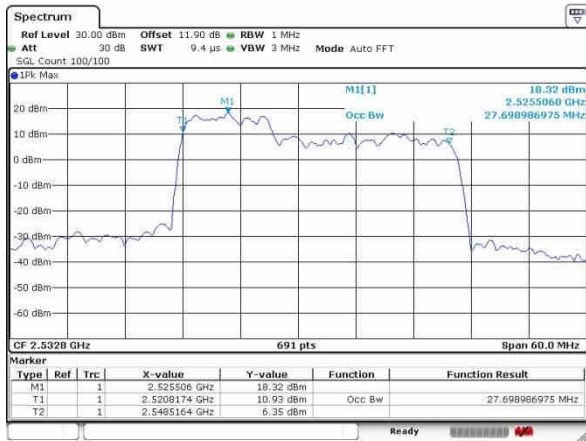
Date: 27 SEP 2017 11:05:32

Lowest Channel / 15MHz+15MHz



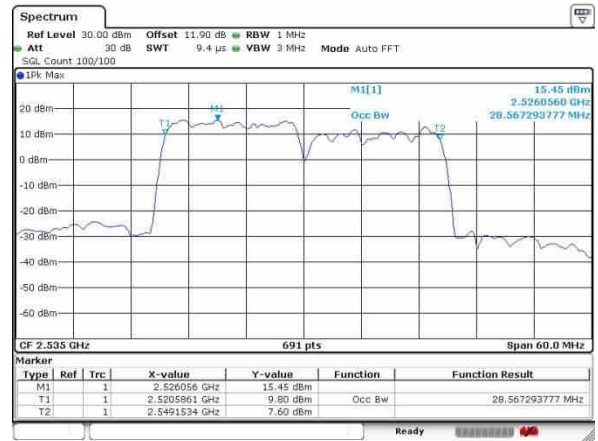
Date: 27 SEP 2017 15:18:53

Middle Channel / 10MHz+20MHz



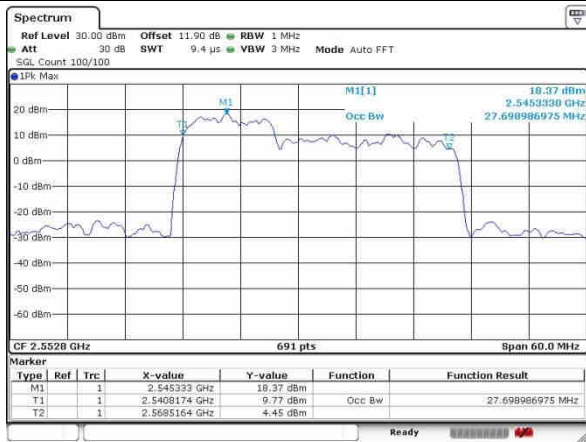
Date: 27 SEP 2017 13:42:59

Middle Channel / 15MHz+15MHz



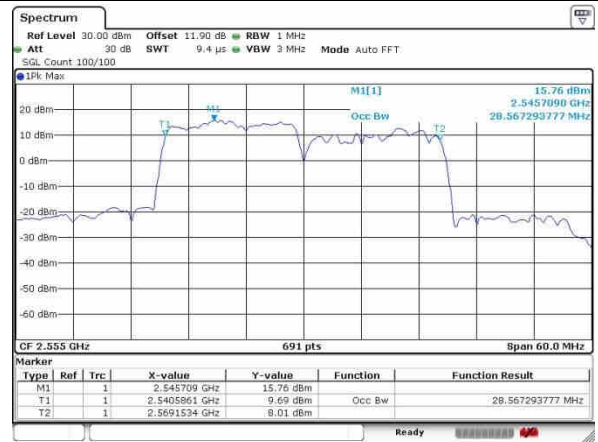
Date: 27 SEP 2017 16:00:56

Highest Channel / 10MHz+20MHz



Date: 27 SEP 2017 13:48:27

Highest Channel / 15MHz+15MHz



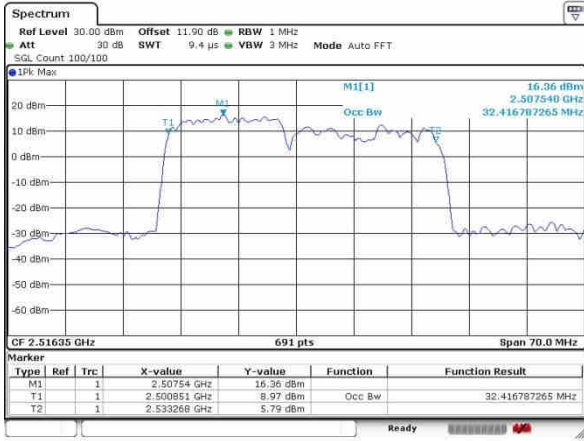
Date: 27 SEP 2017 16:05:59



LTE Band 7

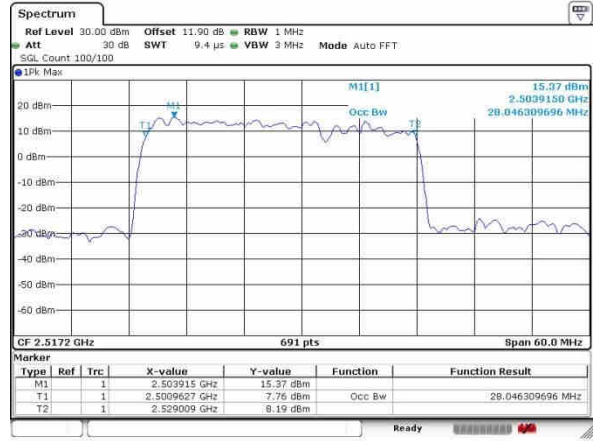
64QAM

Lowest Channel / 15MHz+20MHz



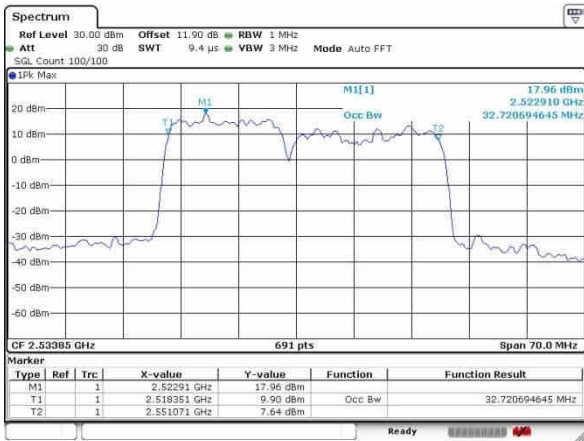
Date: 30 SEP 2017 12:05:58

Lowest Channel / 20MHz+10MHz



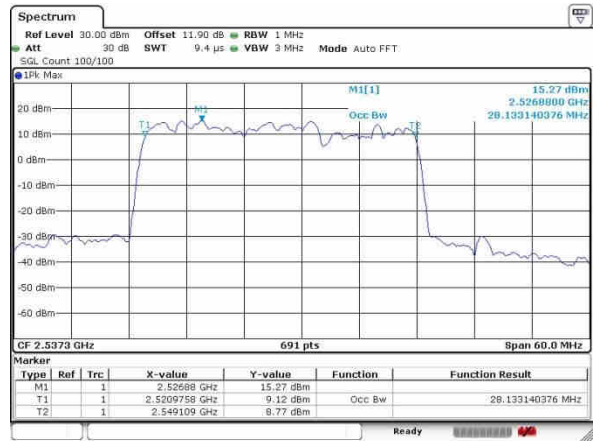
Date: 27 SEP 2017 13:59:17

Middle Channel / 15MHz+20MHz



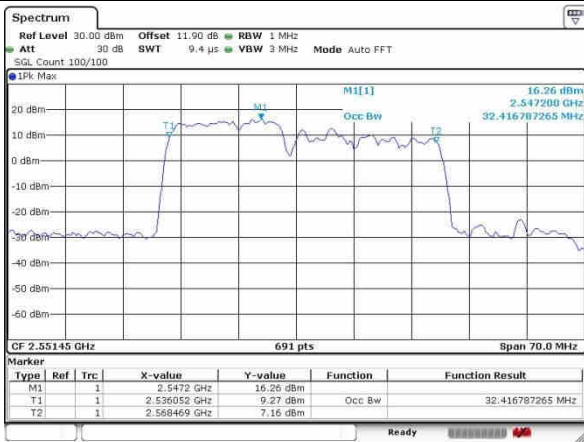
Date: 30 SEP 2017 12:08:36

Middle Channel / 20MHz+10MHz



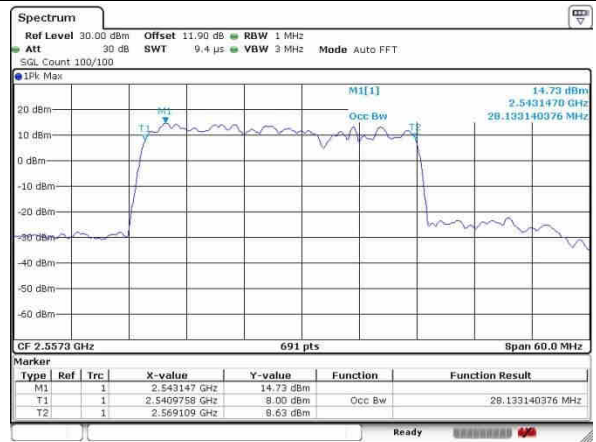
Date: 27 SEP 2017 15:01:03

Highest Channel / 15MHz+20MHz



Date: 30 SEP 2017 12:10:19

Highest Channel / 20MHz+10MHz



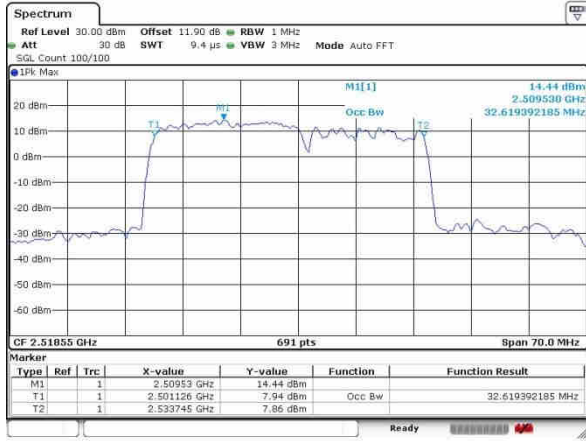
Date: 27 SEP 2017 15:07:08



LTE Band 7

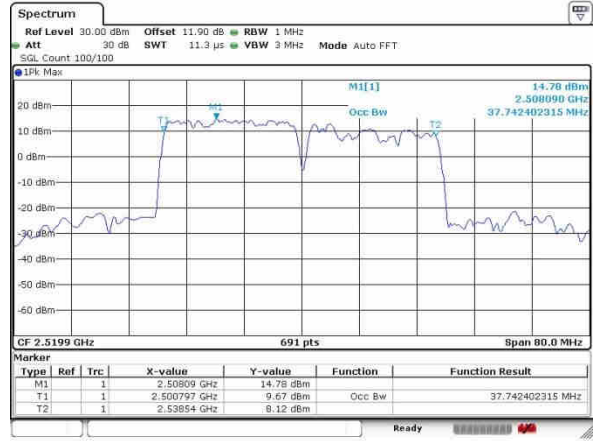
64QAM

Lowest Channel / 20MHz+15MHz



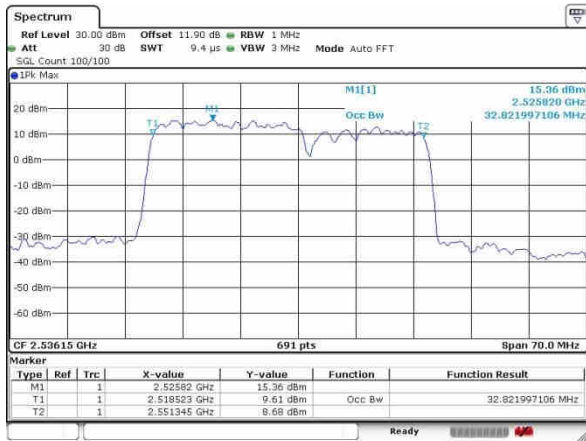
Date: 27 SEP 2017 17:28:05

Lowest Channel / 20MHz+20MHz



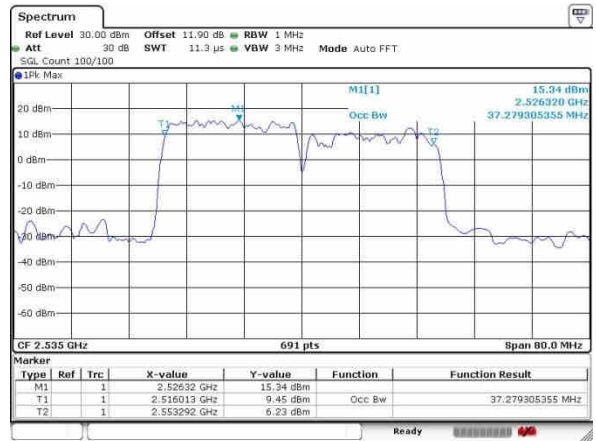
Date: 30 SEP 2017 11:13:01

Middle Channel / 20MHz+15MHz



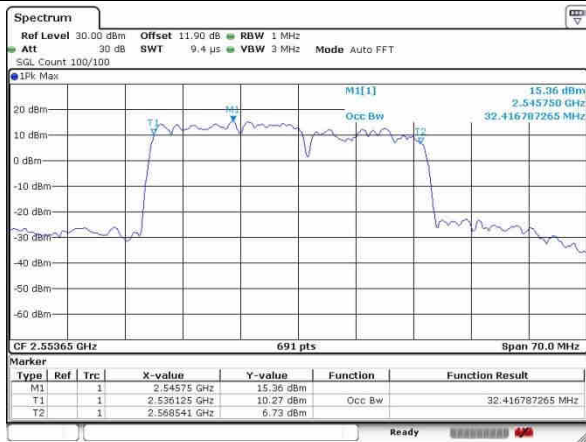
Date: 30 SEP 2017 12:16:04

Middle Channel / 20MHz+20MHz



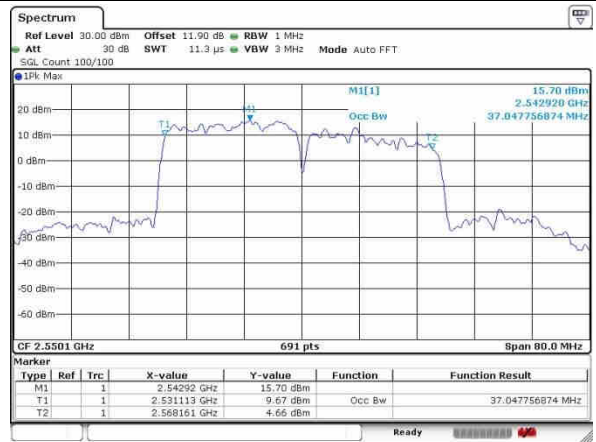
Date: 30 SEP 2017 11:17:56

Highest Channel / 20MHz+15MHz



Date: 30 SEP 2017 12:17:28

Highest Channel / 20MHz+20MHz



Date: 30 SEP 2017 11:19:34



Conducted Band Edge

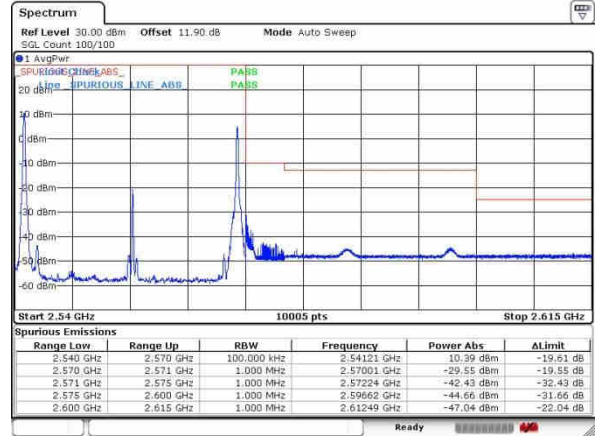
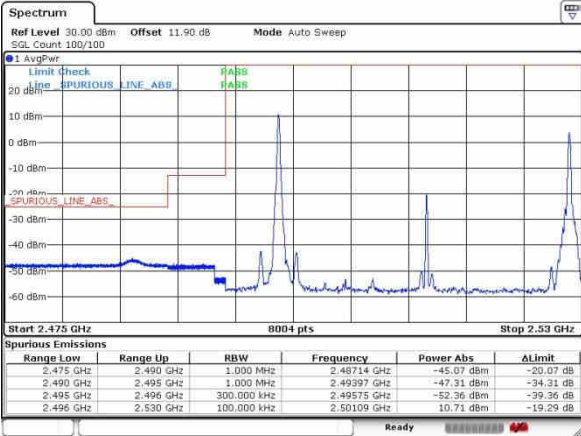


LTE Band 7 / 10MHz+20MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

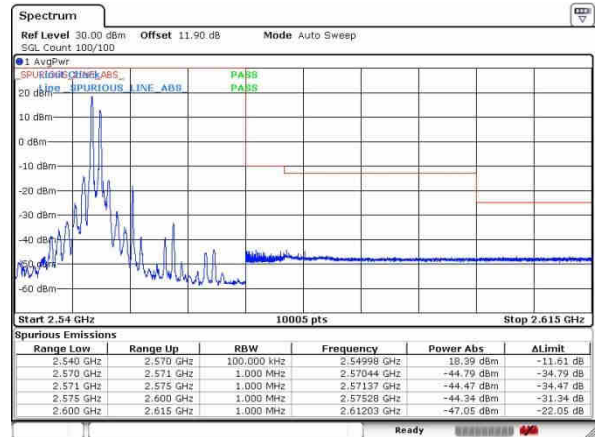
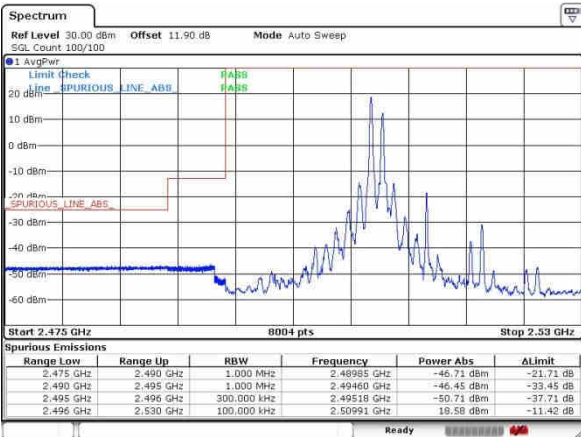


Date: 27 SEP 2017 11:10:38

Date: 27 SEP 2017 13:50:26

Lowest Band Edge / 1RB49 and 1RB0

Highest Band Edge / 1RB49 and 1RB0

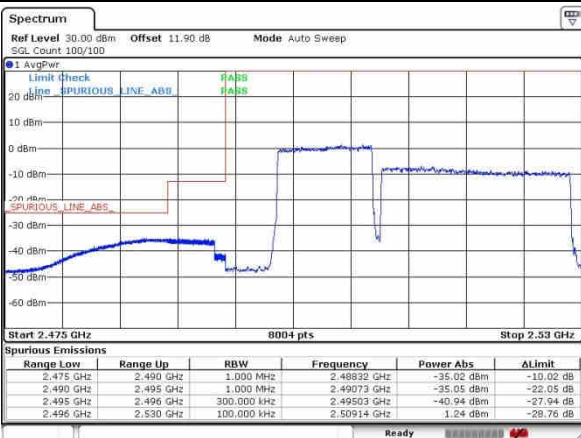


Date: 27 SEP 2017 11:10:53

Date: 27 SEP 2017 13:50:38

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 27 SEP 2017 11:09:34

Date: 27 SEP 2017 13:49:26

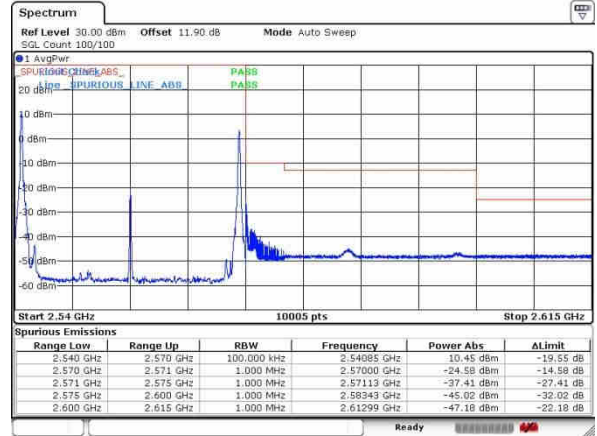
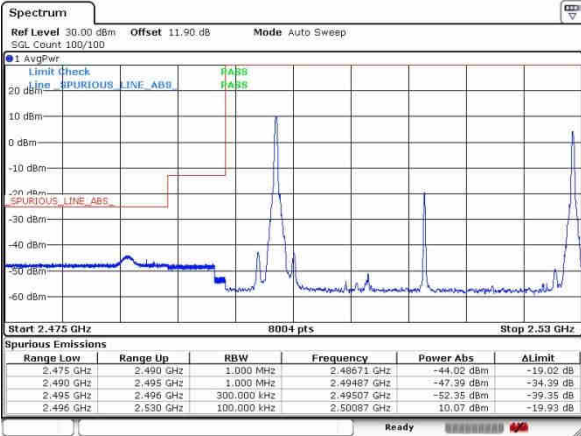


LTE Band 7 / 15MHz+15MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

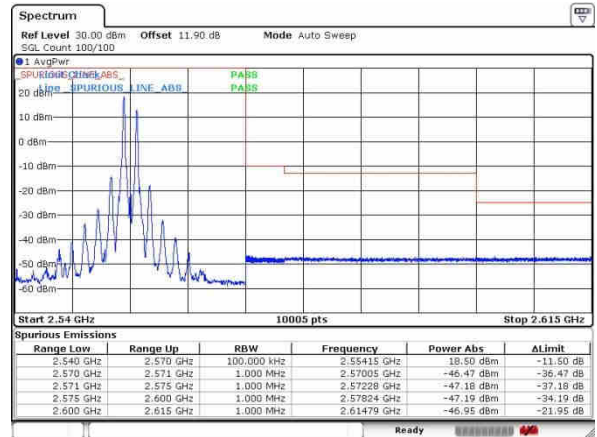
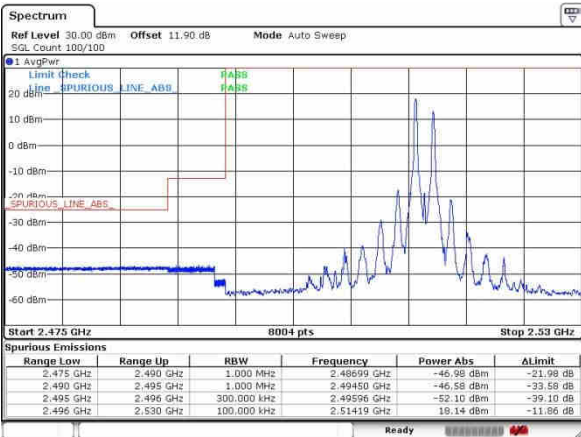


Date: 27 SEP 2017 15:22:56

Date: 27 SEP 2017 16:07:41

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

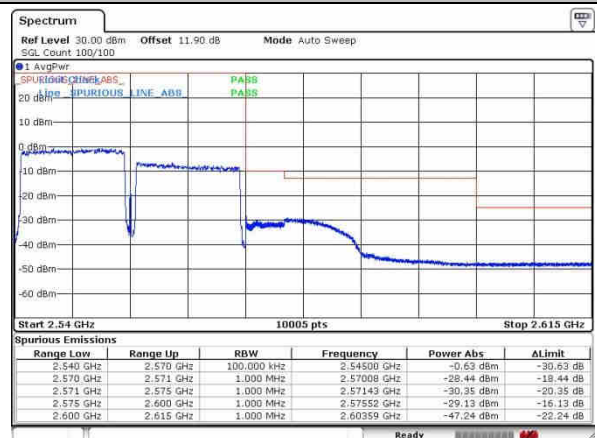
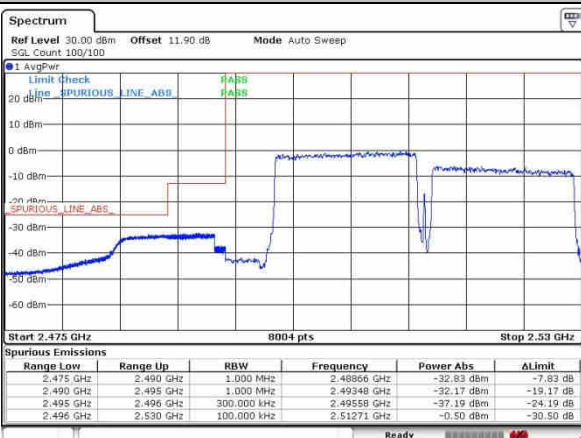


Date: 27 SEP 2017 15:23:08

Date: 27 SEP 2017 16:07:55

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 27 SEP 2017 15:21:54

Date: 27 SEP 2017 16:06:39

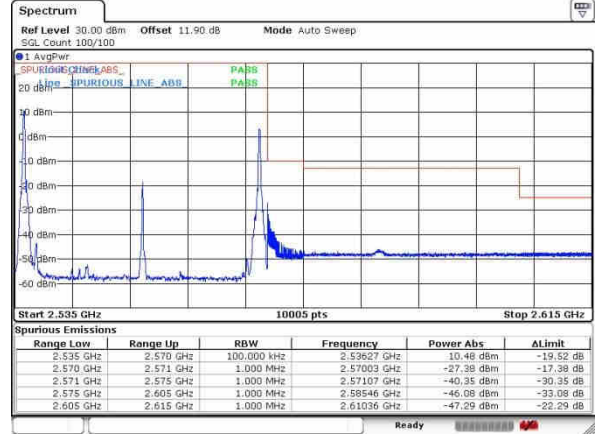
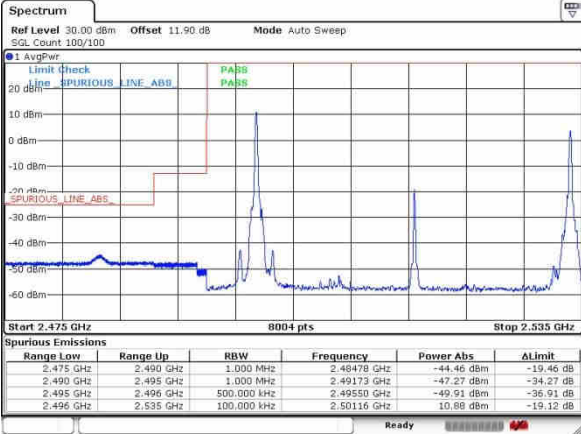


LTE Band 7 / 15MHz+20MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

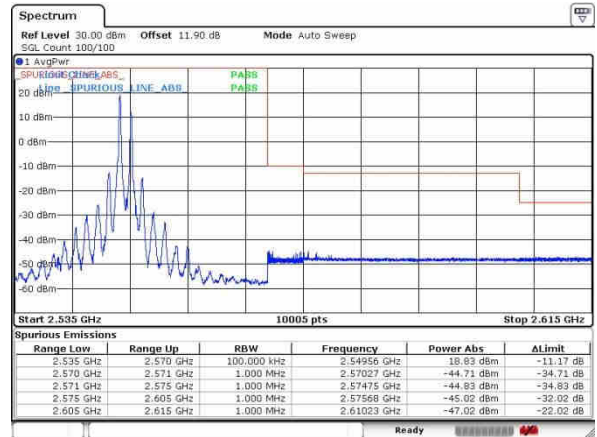
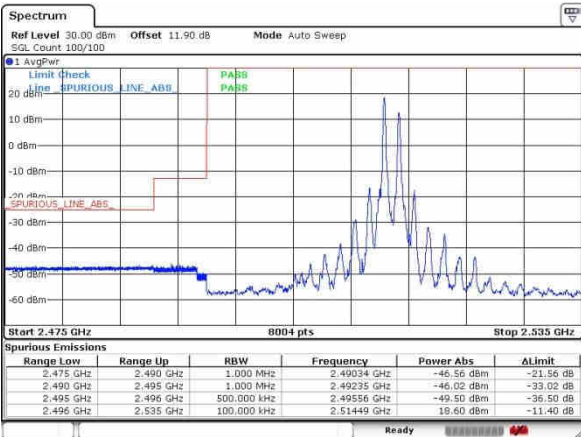


Date: 27 SEP 2017 16:13:28

Date: 27 SEP 2017 17:18:28

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

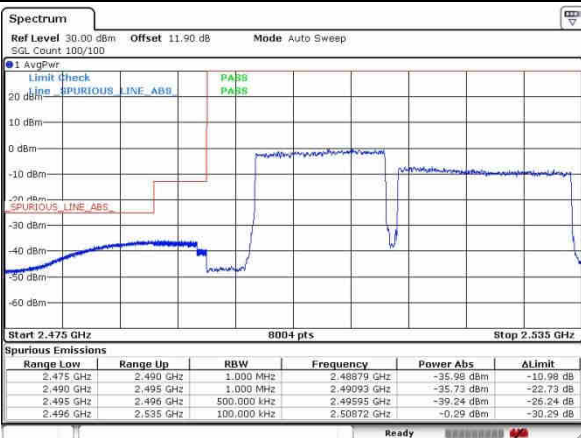


Date: 27 SEP 2017 16:13:43

Date: 27 SEP 2017 17:18:55

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 27 SEP 2017 16:12:23

Date: 27 SEP 2017 17:18:20

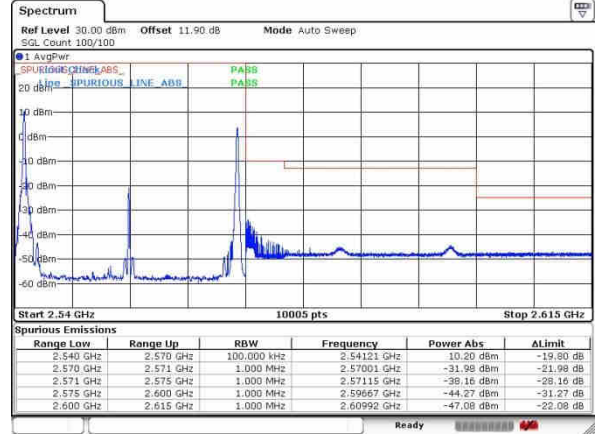
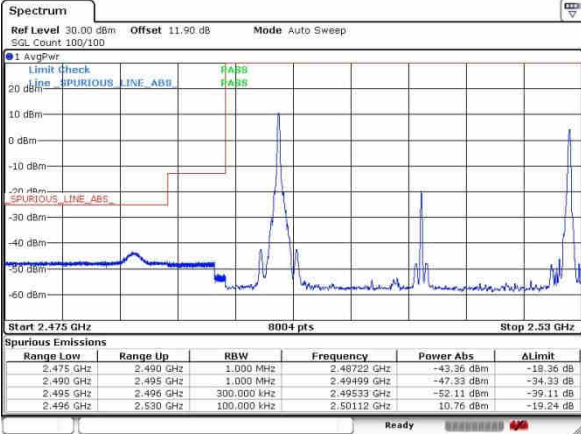


LTE Band 7 / 20MHz+10MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

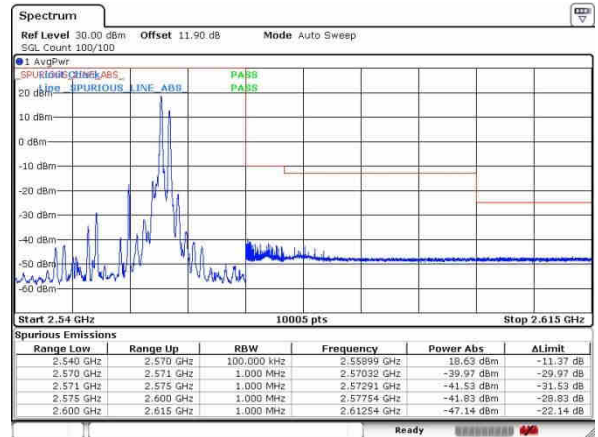
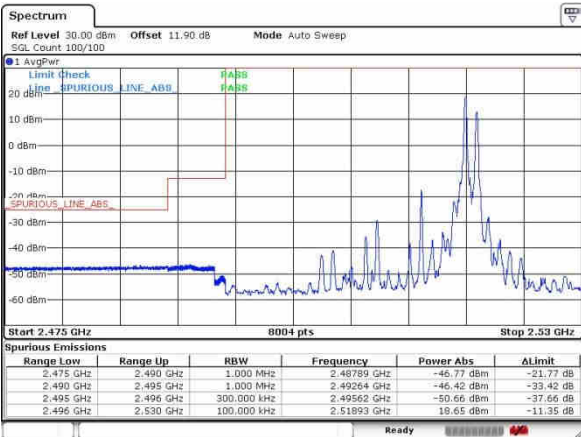


Date: 27 SEP 2017 13:57:35

Date: 27 SEP 2017 15:06:48

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

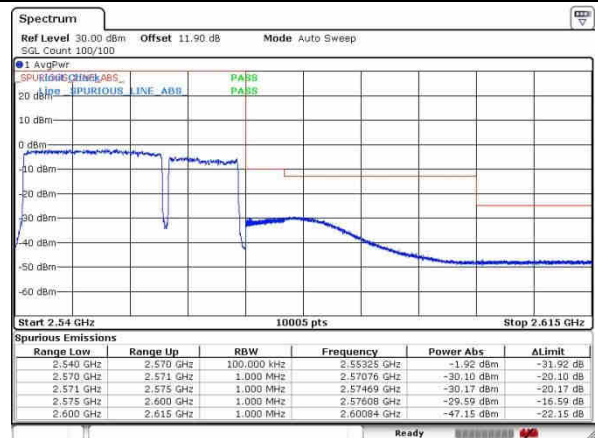
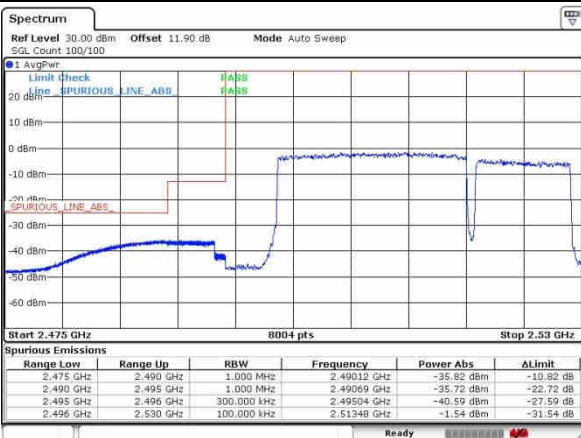


Date: 27 SEP 2017 13:57:48

Date: 27 SEP 2017 15:10:02

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 27 SEP 2017 13:56:32

Date: 27 SEP 2017 15:08:45

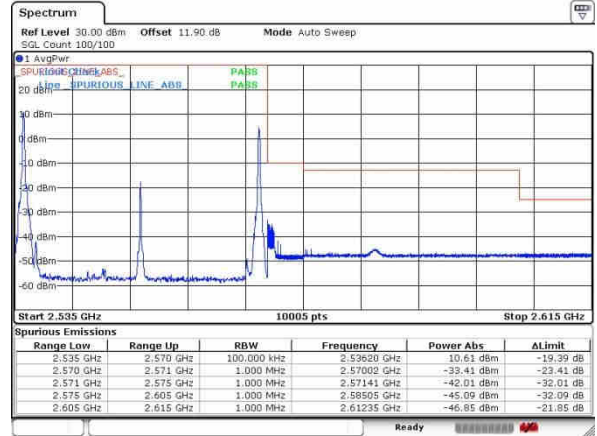
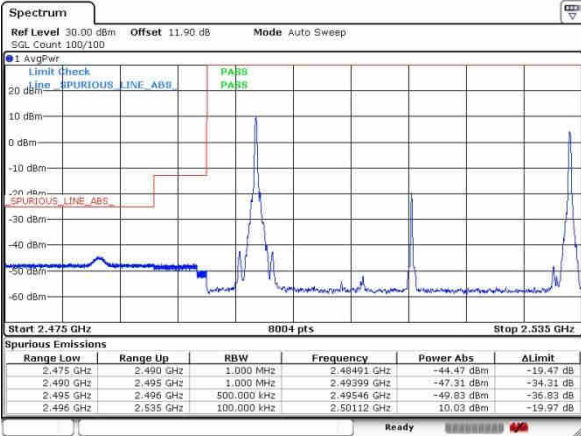


LTE Band 7 / 20MHz+15MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

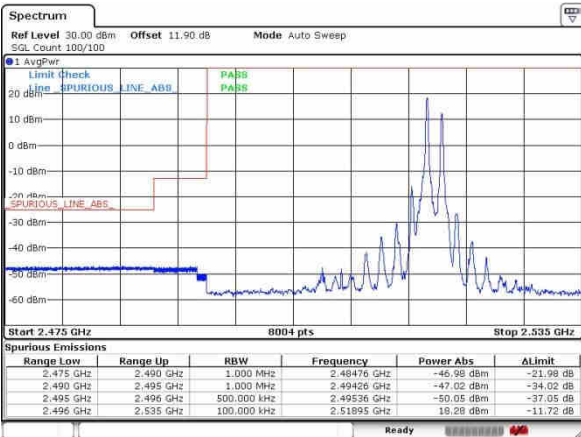


Date: 27 SEP 2017 17:33:59

Date: 30 SEP 2017 12:21:47

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

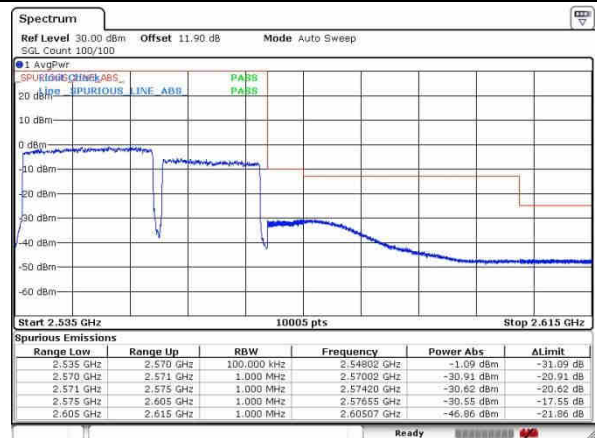
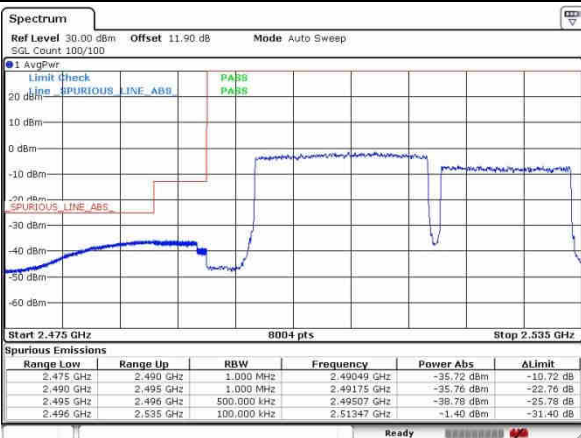


Date: 27 SEP 2017 17:34:12

Date: 30 SEP 2017 12:22:00

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 27 SEP 2017 17:32:52

Date: 30 SEP 2017 12:20:48

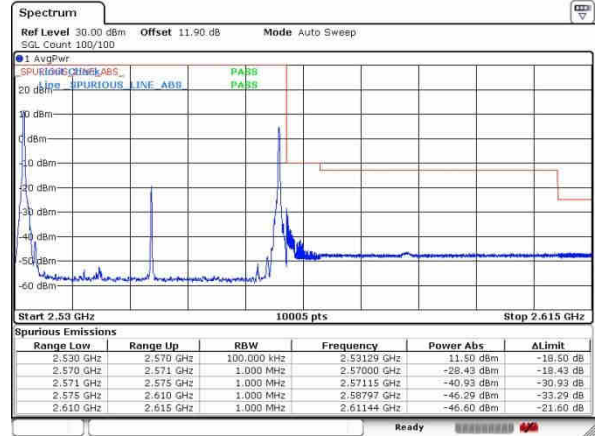
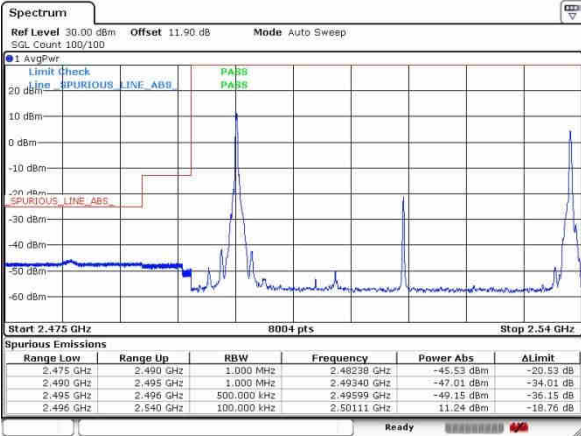


LTE Band 7 / 20MHz+20MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

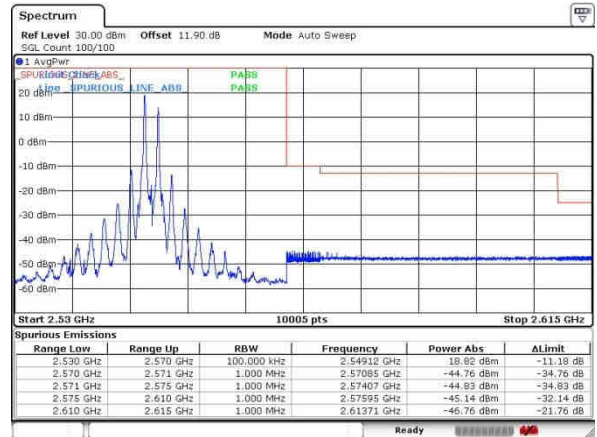
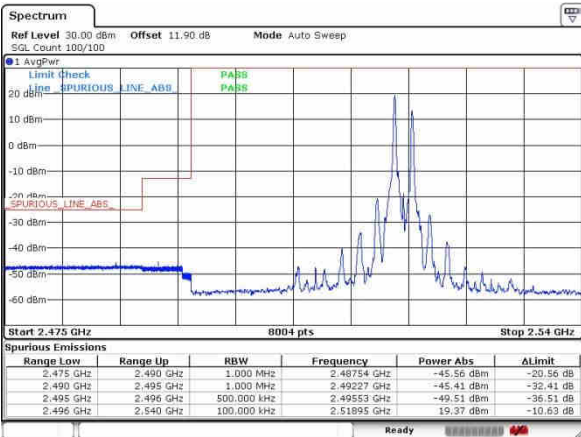


Date: 30 SEP 2017 11:11:24

Date: 30 SEP 2017 11:21:57

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

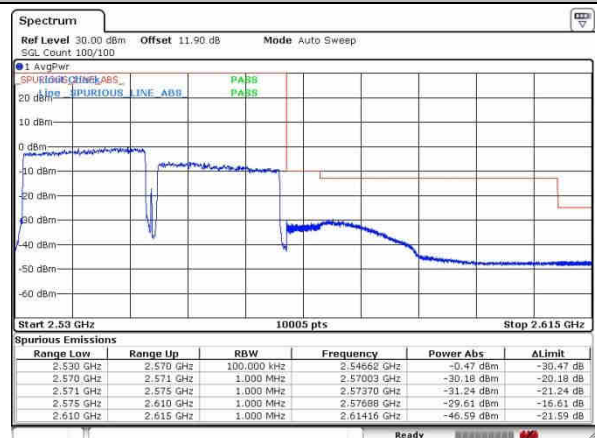
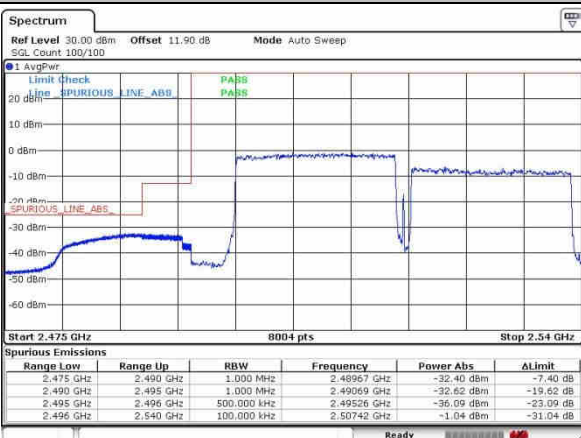


Date: 30 SEP 2017 11:11:50

Date: 30 SEP 2017 11:22:09

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 30 SEP 2017 11:10:25

Date: 30 SEP 2017 11:20:48

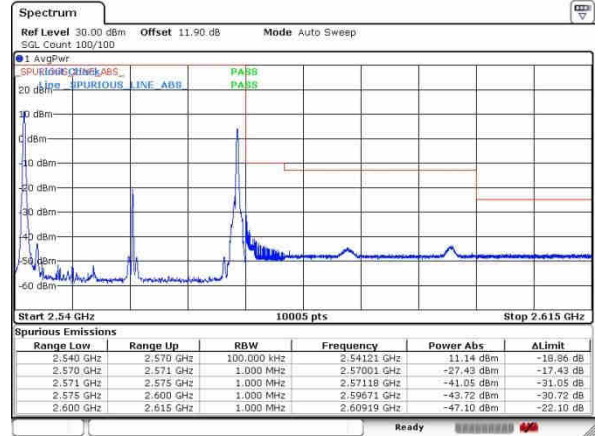
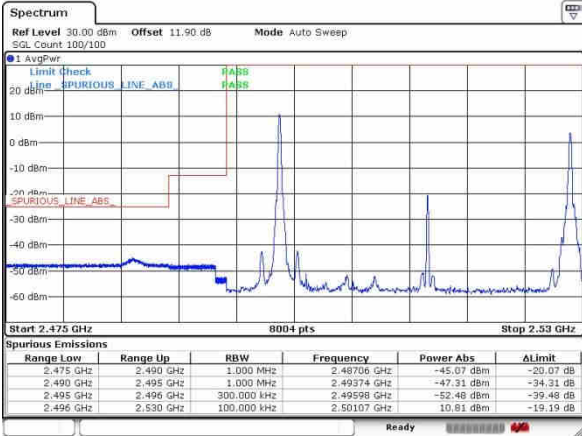


LTE Band 7 / 10MHz+20MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

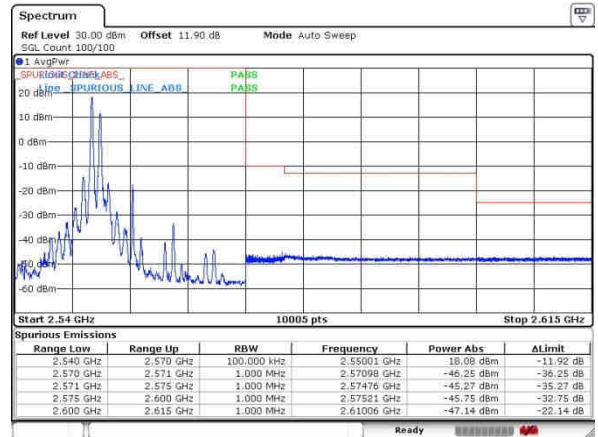
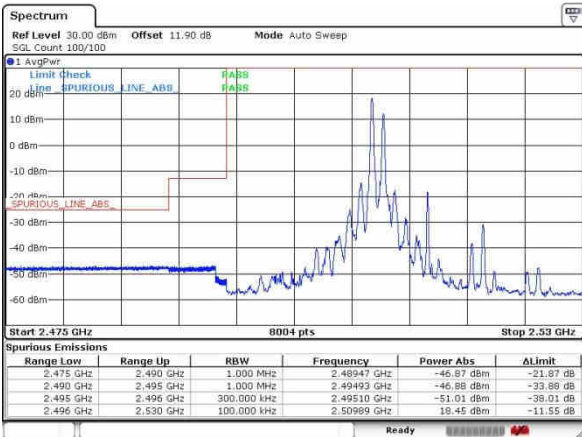


Date: 27 SEP 2017 11:10:28

Date: 27 SEP 2017 13:50:15

Lowest Band Edge / 1RB49 and 1RB0

Highest Band Edge / 1RB49 and 1RB0

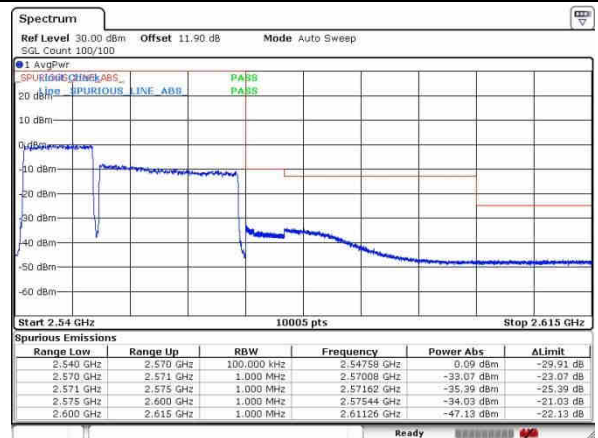
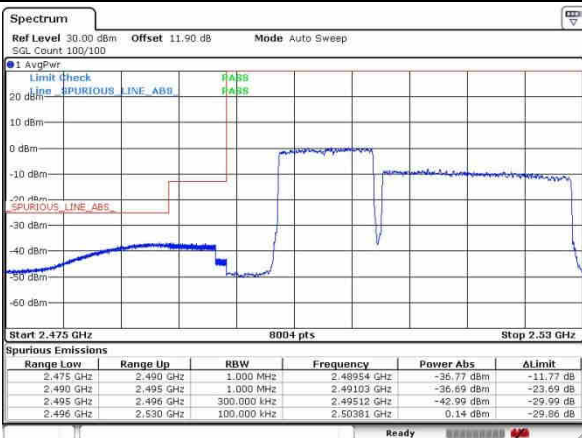


Date: 27 SEP 2017 11:11:04

Date: 27 SEP 2017 13:50:51

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 27 SEP 2017 11:09:46

Date: 27 SEP 2017 13:49:38

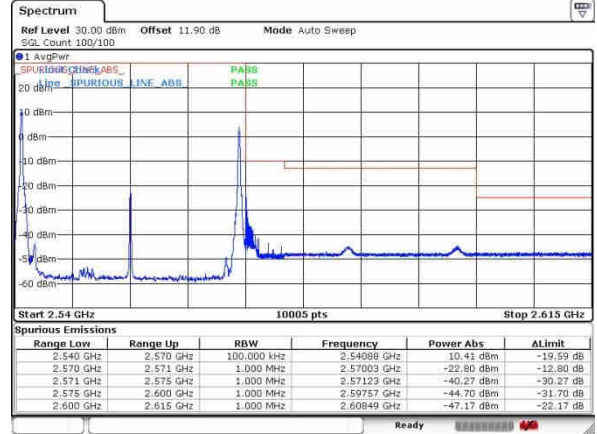
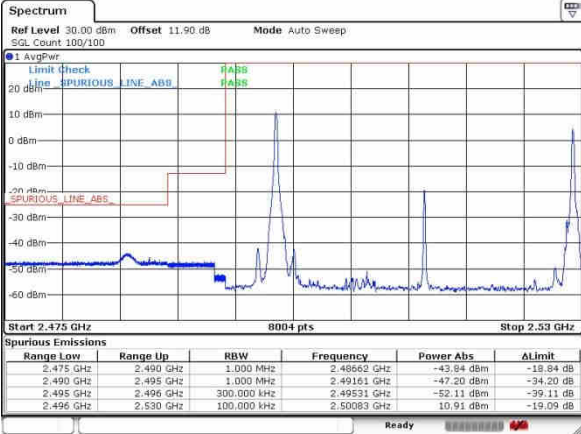


LTE Band 7 / 15MHz+15MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

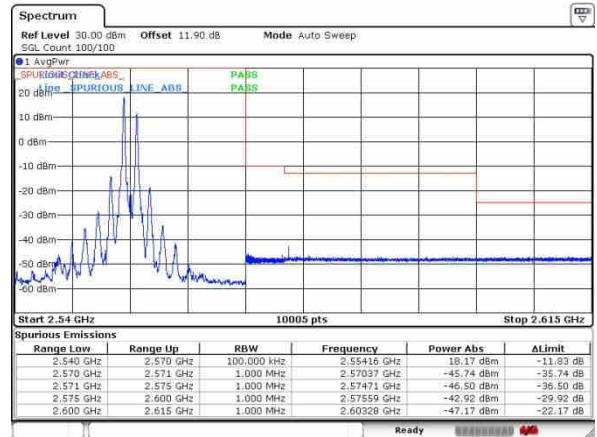
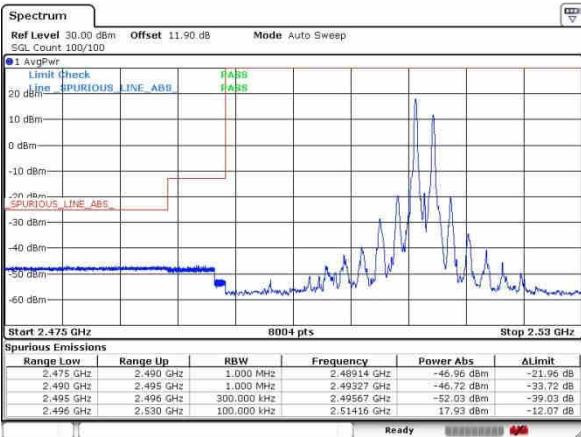


Date: 27 SEP 2017 15:22:46

Date: 27 SEP 2017 16:07:30

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

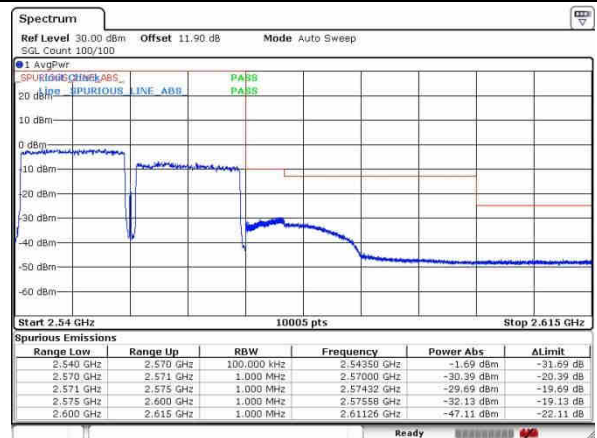
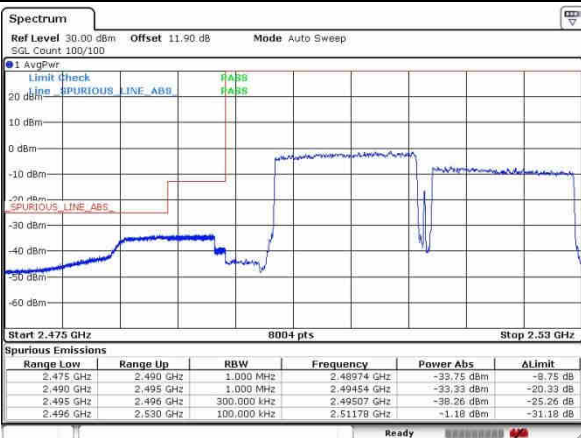


Date: 27 SEP 2017 15:23:18

Date: 27 SEP 2017 16:08:07

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 27 SEP 2017 15:22:09

Date: 27 SEP 2017 16:06:51

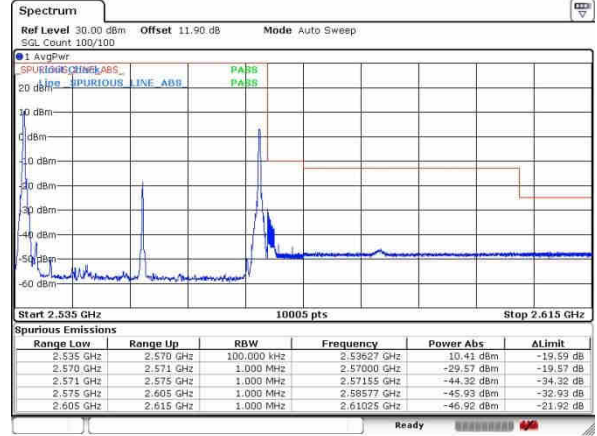
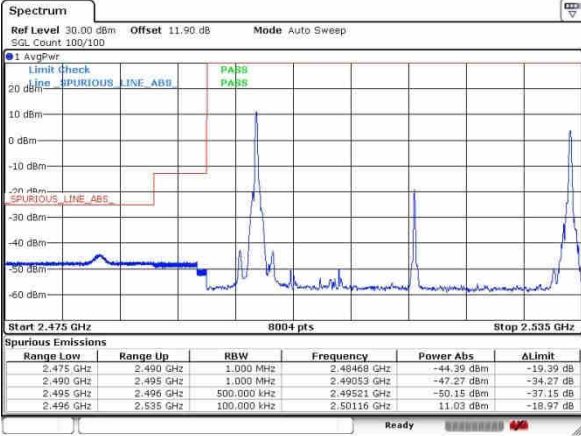


LTE Band 7 / 15MHz+20MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

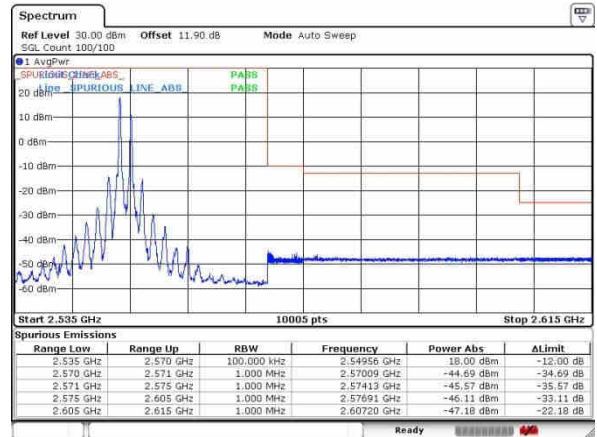
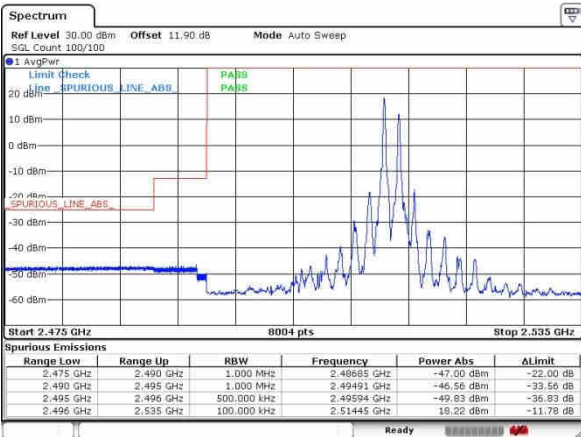


Date: 27 SEP 2017 16:13:17

Date: 27 SEP 2017 17:18:16

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

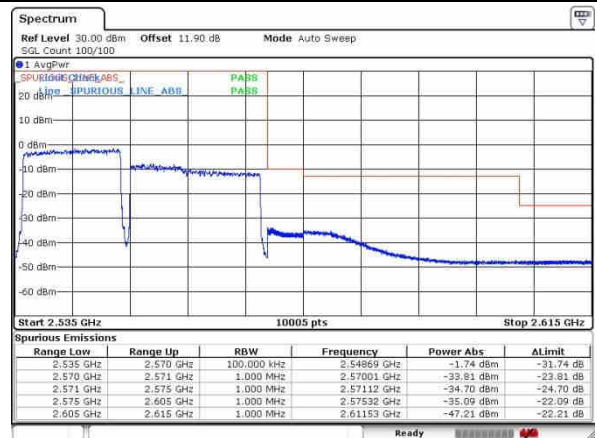
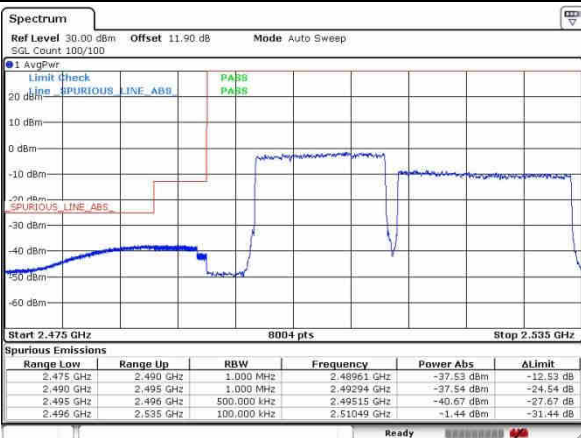


Date: 27 SEP 2017 16:13:55

Date: 27 SEP 2017 17:20:08

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 27 SEP 2017 16:12:35

Date: 27 SEP 2017 17:18:32

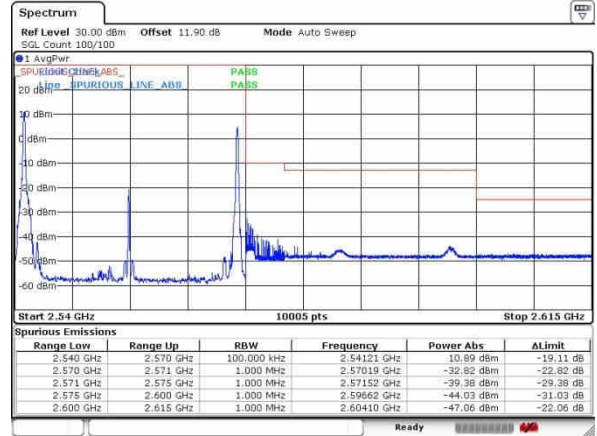
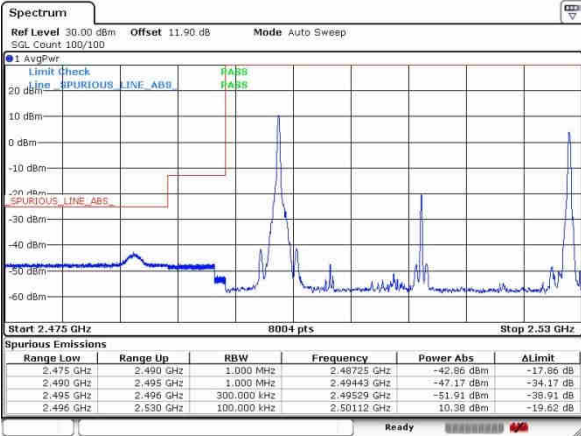


LTE Band 7 / 20MHz+10MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

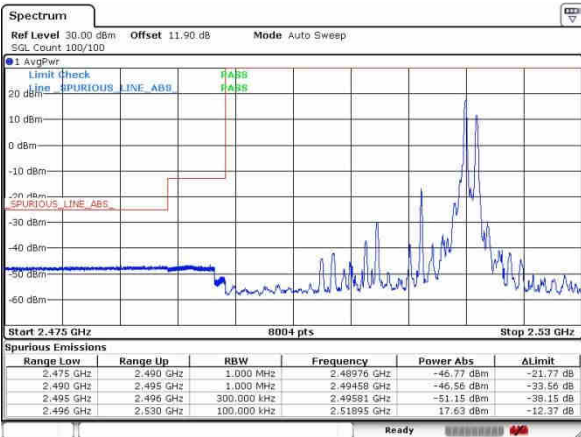


Date: 27 SEP 2017 13:57:23

Date: 27 SEP 2017 15:06:38

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

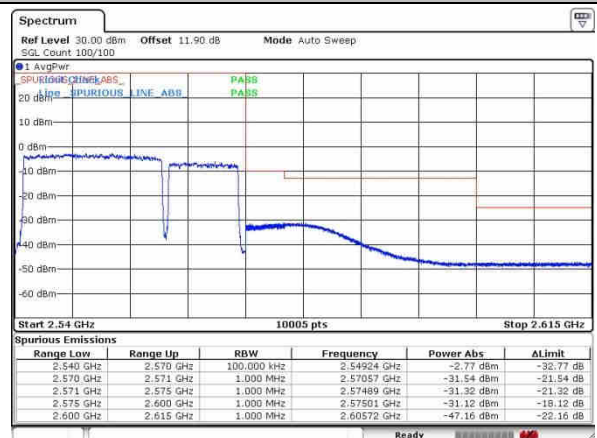
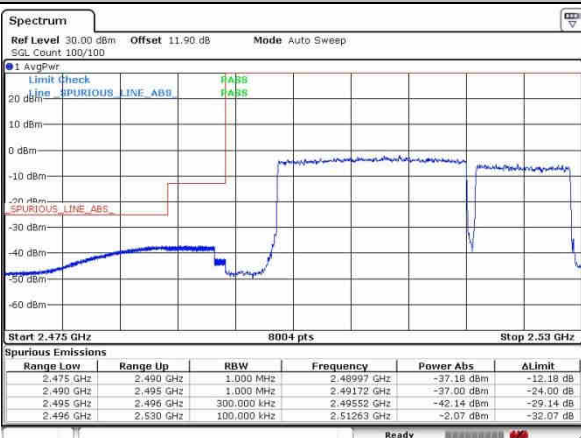


Date: 27 SEP 2017 13:57:58

Date: 27 SEP 2017 15:10:13

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 27 SEP 2017 13:56:46

Date: 27 SEP 2017 15:08:57

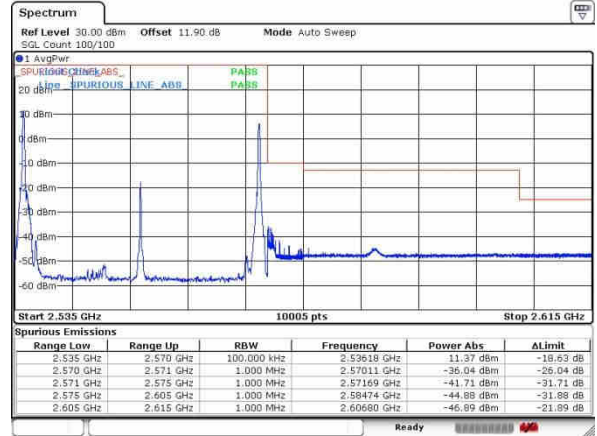
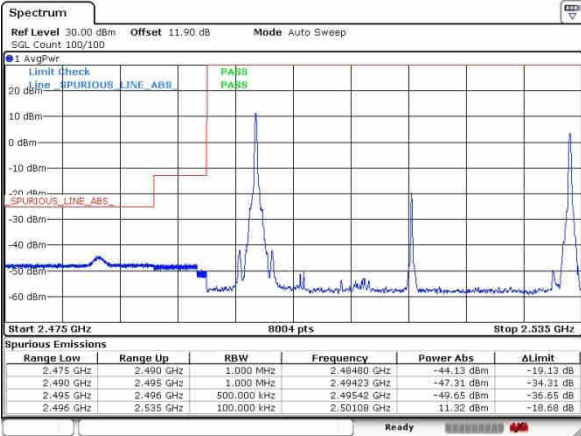


LTE Band 7 / 20MHz+15MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

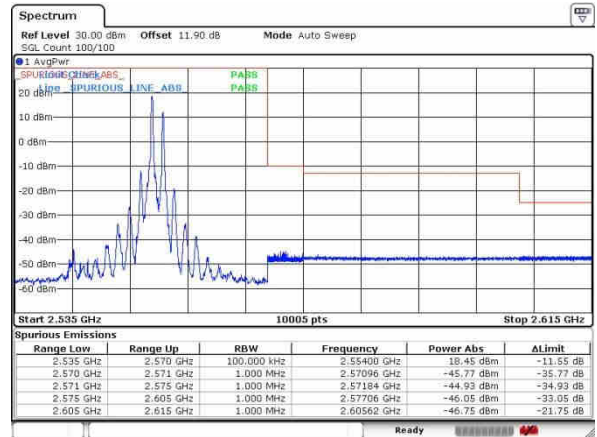
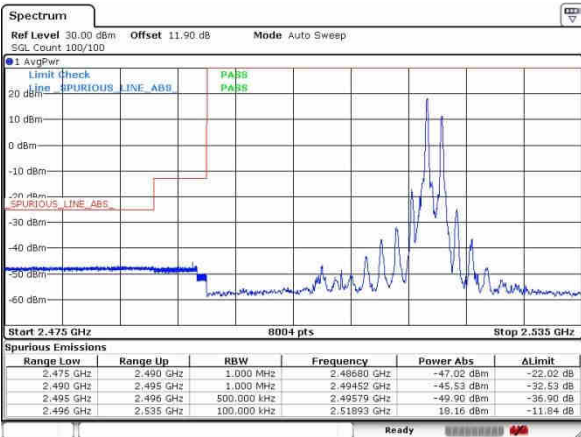


Date: 27 SEP 2017 17:33:48

Date: 30 SEP 2017 12:21:38

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

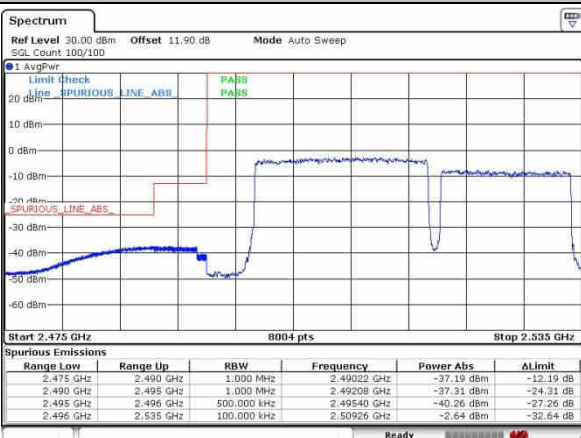


Date: 27 SEP 2017 17:34:23

Date: 30 SEP 2017 12:22:11

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 27 SEP 2017 17:33:04

Date: 30 SEP 2017 12:20:59