



## LTE Band 2

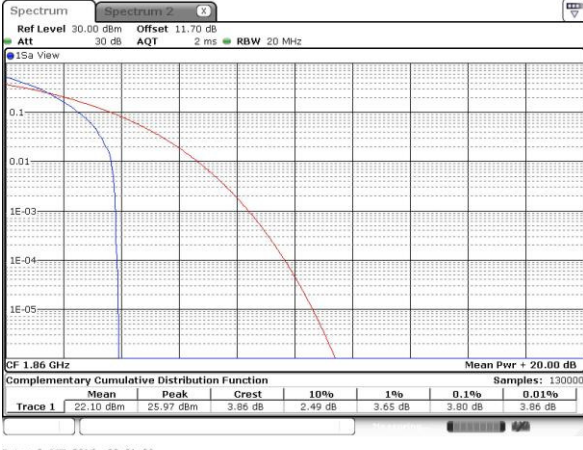
### Peak-to-Average Ratio

| Mode       | LTE Band 2 / 20MHz |         |       |         |             |
|------------|--------------------|---------|-------|---------|-------------|
| Mod.       | QPSK               |         | 16QAM |         | Limit: 13dB |
| RB Size    | 1RB                | Full RB | 1RB   | Full RB | Result      |
| Lowest CH  | 3.8                | 4.52    | 4.67  | 5.59    | PASS        |
| Middle CH  | 4.96               | 5.04    | 4.9   | 5.74    |             |
| Highest CH | 4.46               | 4.58    | 4.78  | 5.71    |             |



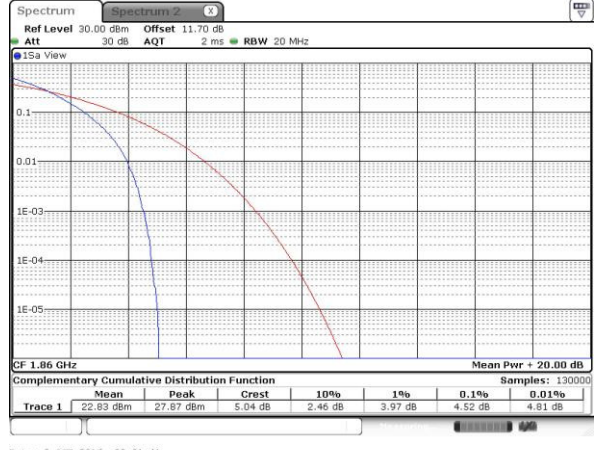
LTE Band 2 / 20MHz / QPSK

Lowest Channel / 1RB



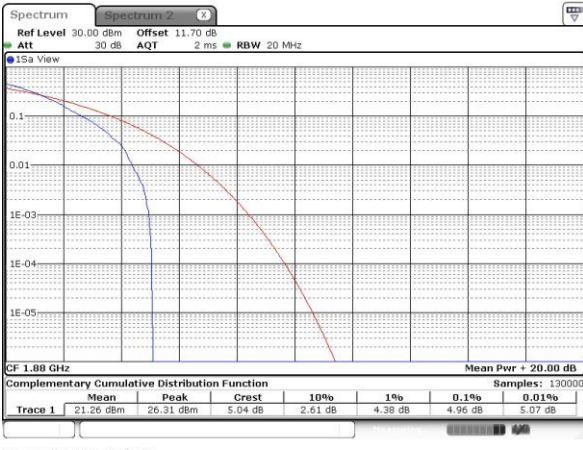
Date: 3.OCT.2016 22:21:30

Lowest Channel / Full RB



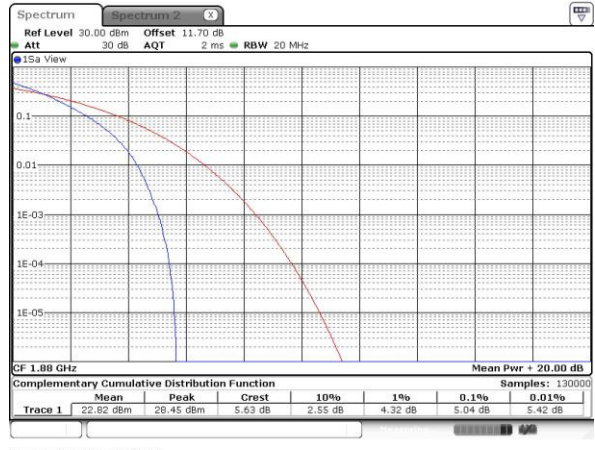
Date: 3.OCT.2016 22:21:41

Middle Channel / 1RB



Date: 3.OCT.2016 22:21:52

Middle Channel / Full RB



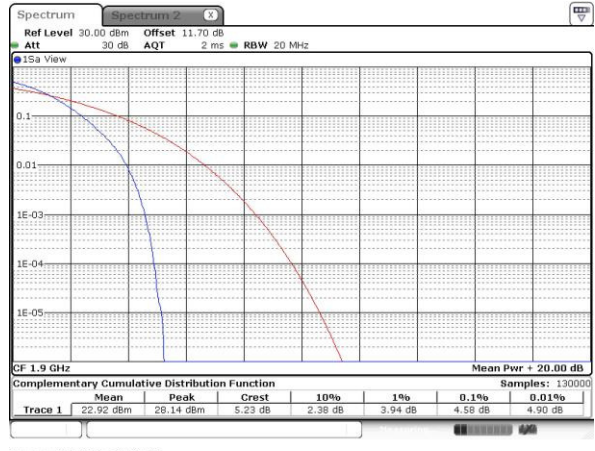
Date: 3.OCT.2016 22:22:03

Highest Channel / 1RB



Date: 3.OCT.2016 22:22:14

Highest Channel / Full RB

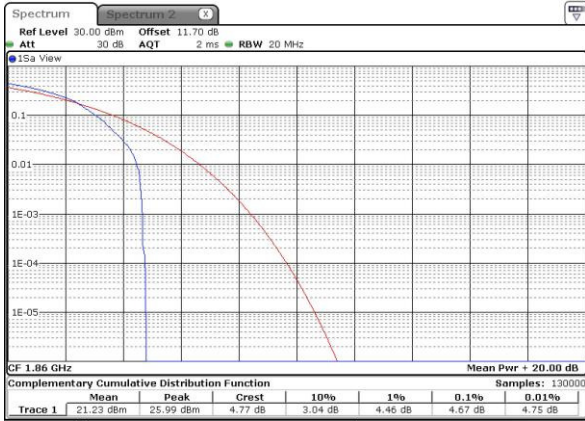


Date: 3.OCT.2016 22:22:25



LTE Band 2 / 20MHz / 16QAM

Lowest Channel / 1RB



Date: 3.OCT.2016 22:19:54

Lowest Channel / Full RB



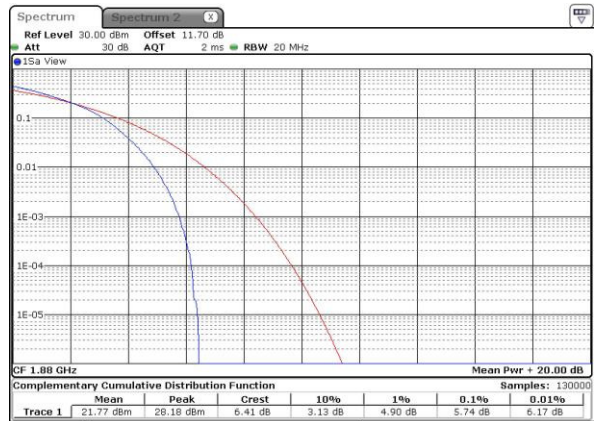
Date: 3.OCT.2016 22:20:15

Middle Channel / 1RB



Date: 3.OCT.2016 22:20:36

Middle Channel / Full RB



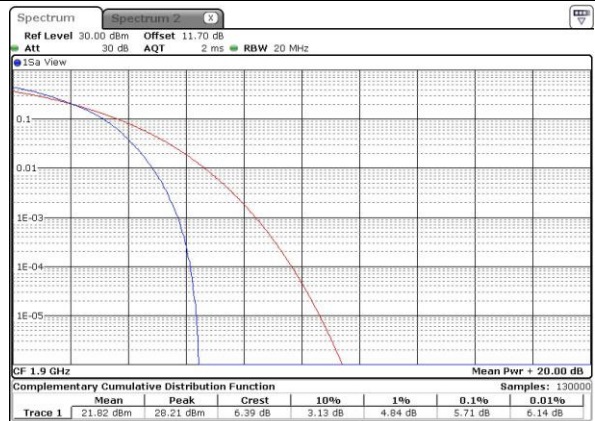
Date: 3.OCT.2016 22:20:47

Highest Channel / 1RB



Date: 3.OCT.2016 22:20:59

Highest Channel / Full RB



Date: 3.OCT.2016 22:21:12



**26dB Bandwidth**

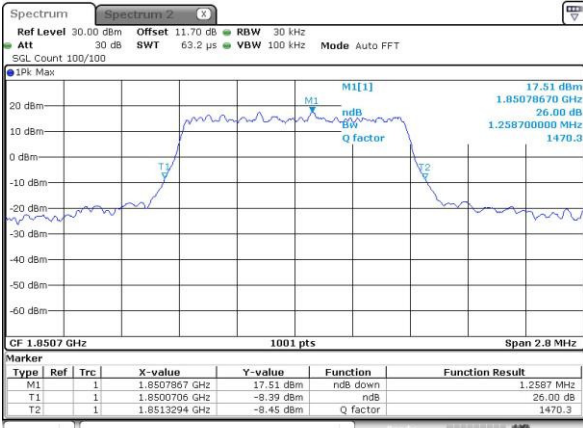
| Mode       | LTE Band 2 : 26dB BW(MHz) |       |      |       |      |       |       |       |       |       |       |       |
|------------|---------------------------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
|            | 1.4MHz                    |       | 3MHz |       | 5MHz |       | 10MHz |       | 15MHz |       | 20MHz |       |
| BW         | QPSK                      | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Mod.       | QPSK                      | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Lowest CH  | 1.26                      | 1.28  | 3.02 | 3.02  | 4.78 | 4.91  | 9.69  | 9.87  | 14.48 | 14.24 | 20.10 | 20.10 |
| Middle CH  | 1.28                      | 1.28  | 3.02 | 3.02  | 4.94 | 5.01  | 9.83  | 9.73  | 14.15 | 14.09 | 20.22 | 20.10 |
| Highest CH | 1.28                      | 1.30  | 3.00 | 3.00  | 4.94 | 4.83  | 9.83  | 9.71  | 14.24 | 14.45 | 20.22 | 20.10 |





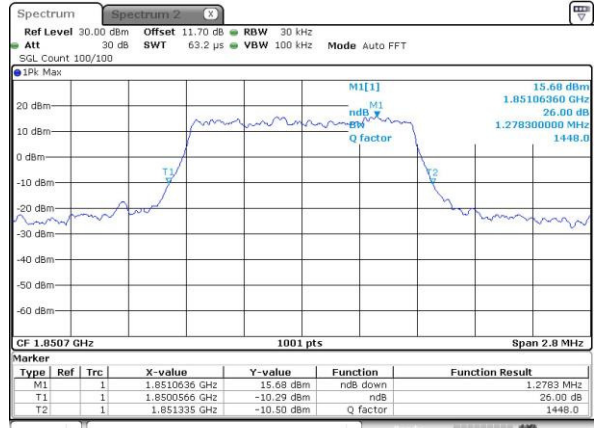
LTE Band 2

Lowest Channel / 1.4MHz / QPSK



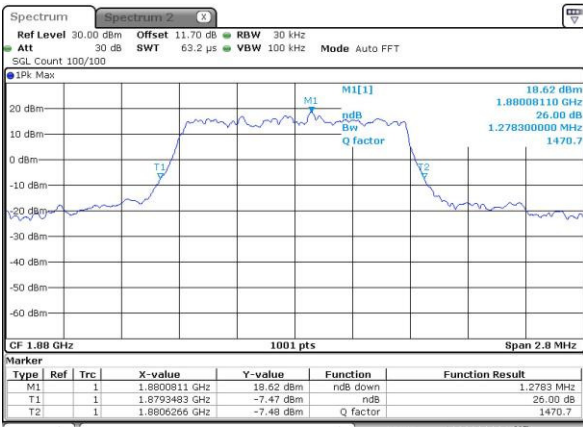
Date: 3.OCT.2016 13:57:08

Lowest Channel / 1.4MHz / 16QAM



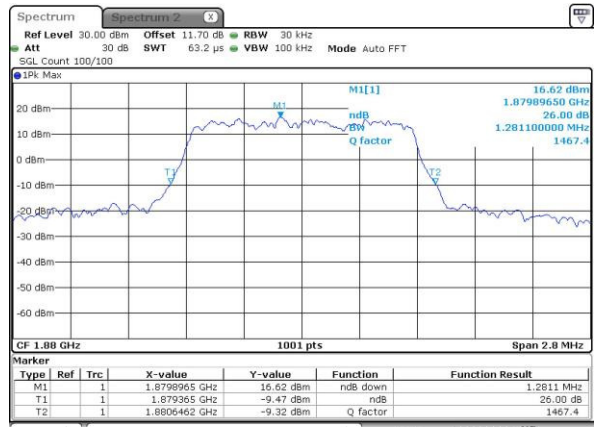
Date: 3.OCT.2016 13:57:19

Middle Channel / 1.4MHz / QPSK



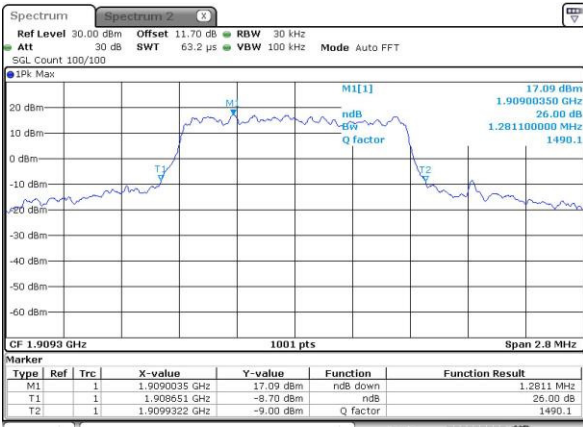
Date: 3.OCT.2016 13:59:53

Middle Channel / 1.4MHz / 16QAM



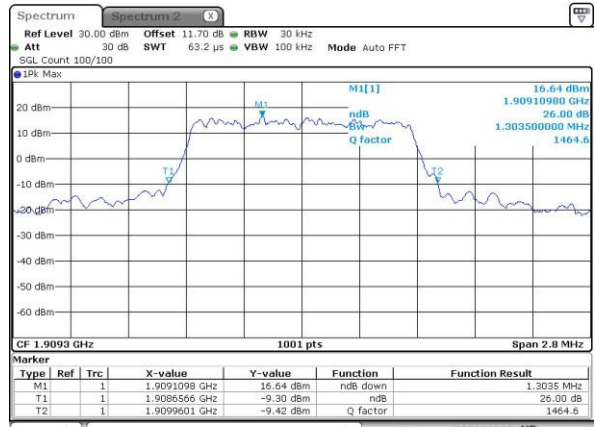
Date: 3.OCT.2016 14:00:06

Highest Channel / 1.4MHz / QPSK



Date: 3.OCT.2016 14:02:38

Highest Channel / 1.4MHz / 16QAM

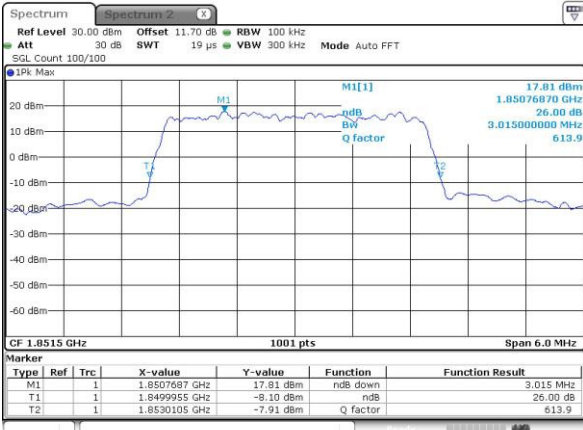


Date: 3.OCT.2016 14:02:50



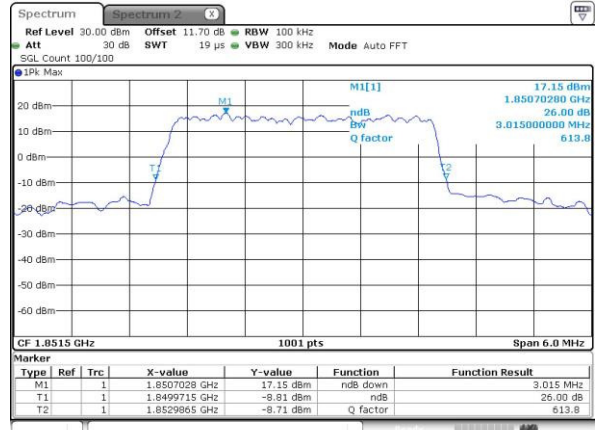
LTE Band 2

Lowest Channel / 3MHz / QPSK



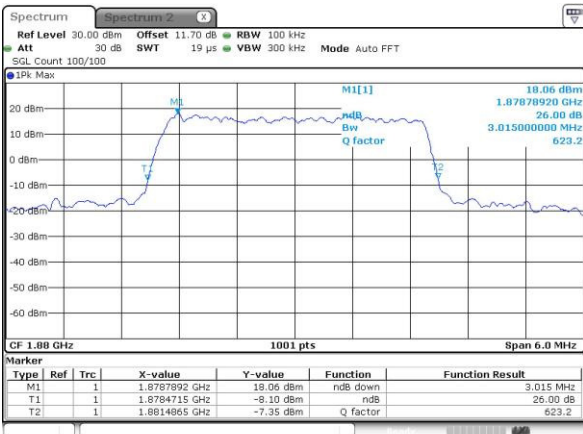
Date: 30\_SEP.2016 21:47:52

Lowest Channel / 3MHz / 16QAM



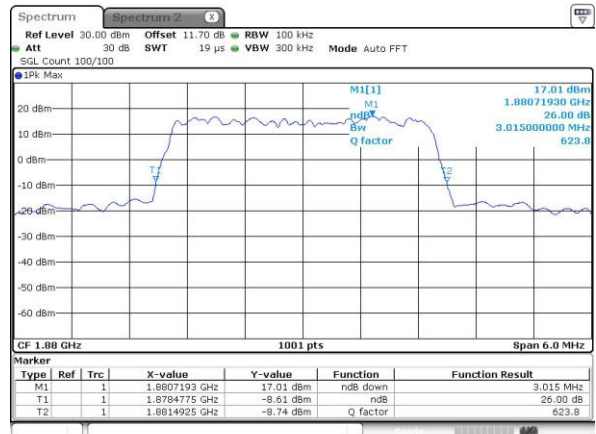
Date: 30\_SEP.2016 21:48:04

Middle Channel / 3MHz / QPSK



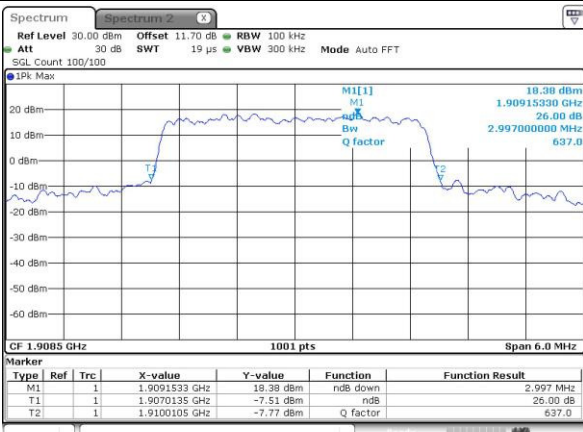
Date: 30\_SEP.2016 21:55:10

Middle Channel / 3MHz / 16QAM



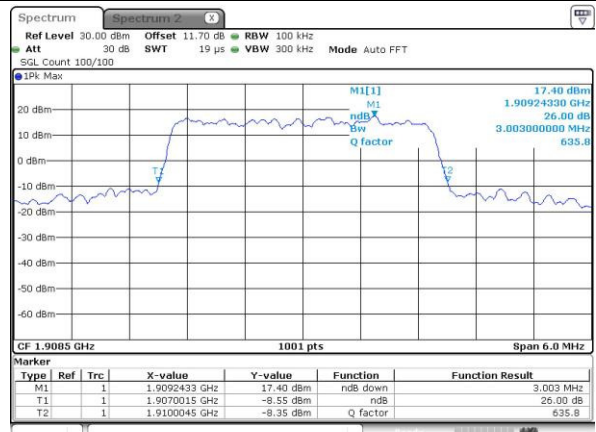
Date: 30\_SEP.2016 21:55:22

Highest Channel / 3MHz / QPSK



Date: 30\_SEP.2016 21:57:50

Highest Channel / 3MHz / 16QAM

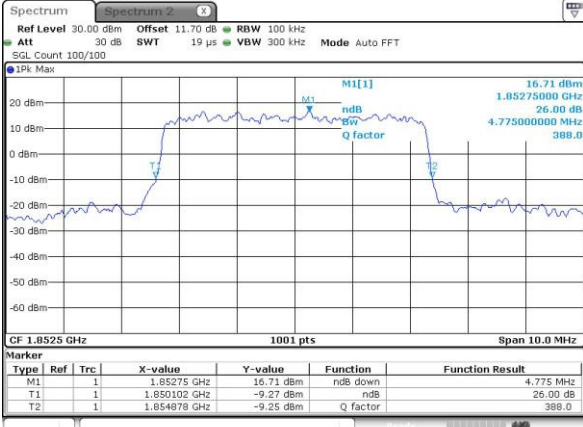


Date: 30\_SEP.2016 21:58:02



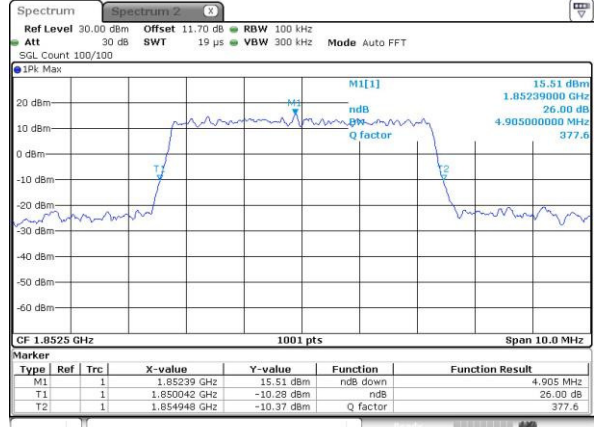
LTE Band 2

Lowest Channel / 5MHz / QPSK



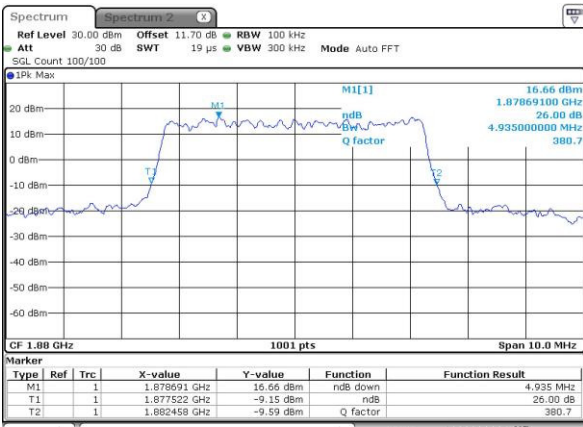
Date: 30\_SEP.2016 22:05:08

Lowest Channel / 5MHz / 16QAM



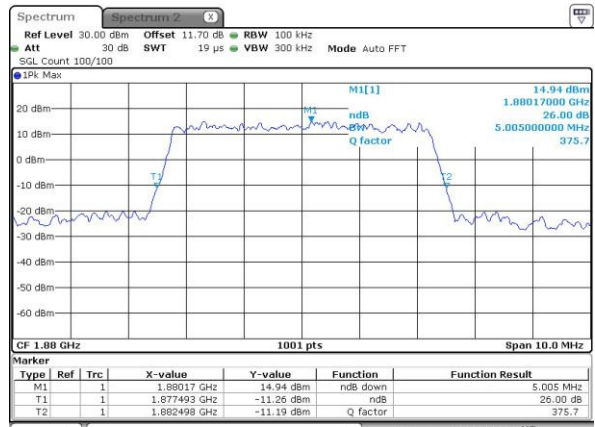
Date: 30\_SEP.2016 22:05:120

Middle Channel / 5MHz / QPSK



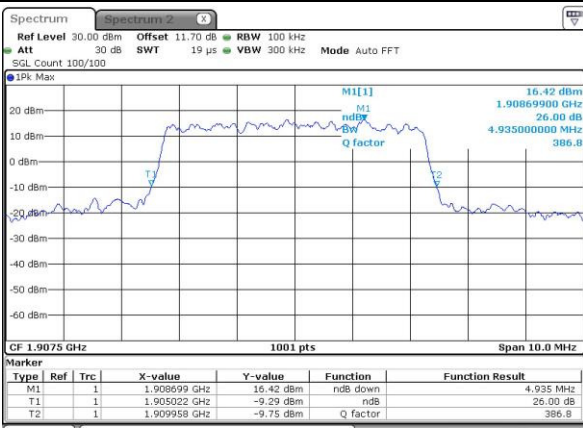
Date: 30\_SEP.2016 22:11:26

Middle Channel / 5MHz / 16QAM



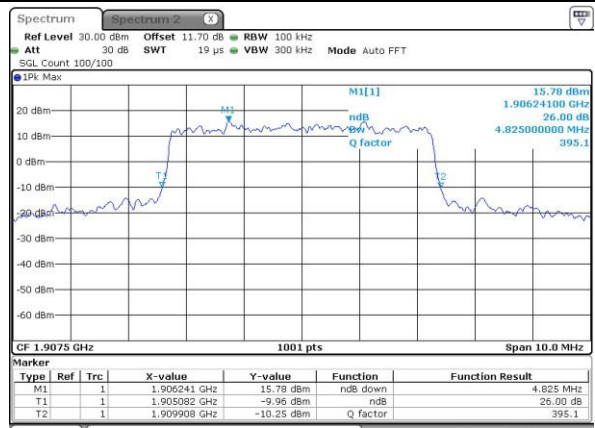
Date: 30\_SEP.2016 22:11:138

Highest Channel / 5MHz / QPSK



Date: 30\_SEP.2016 22:15:06

Highest Channel / 5MHz / 16QAM

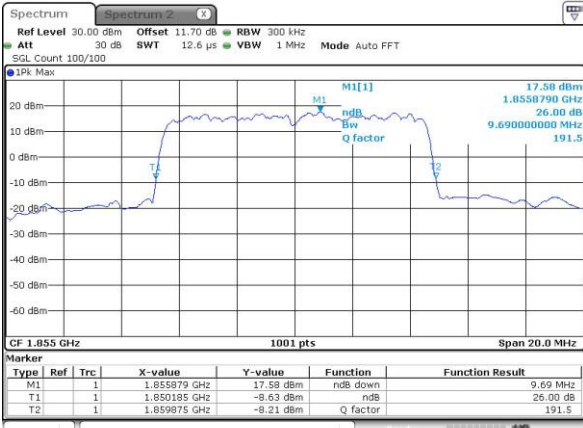


Date: 30\_SEP.2016 22:15:118



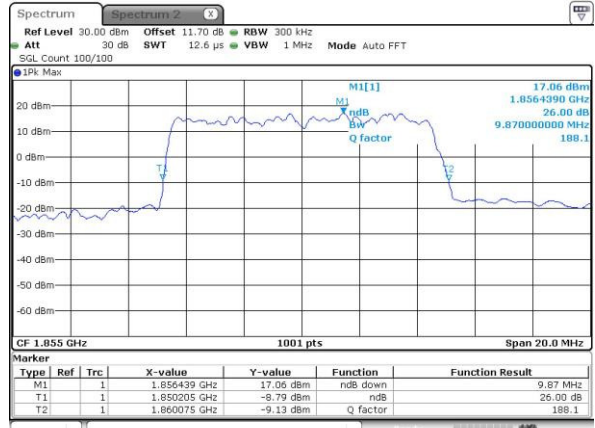
LTE Band 2

Lowest Channel / 10MHz / QPSK



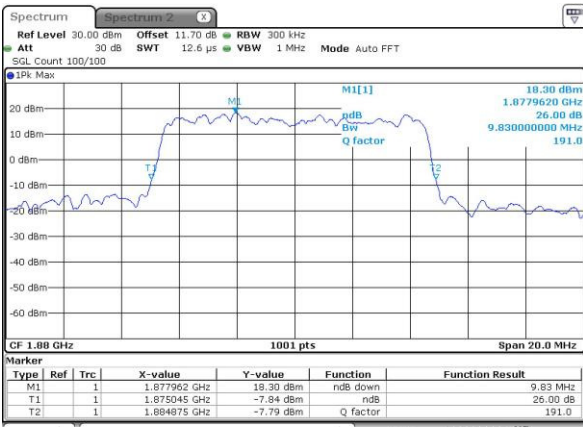
Date: 30\_SEP.2016 22:22:24

Lowest Channel / 10MHz / 16QAM



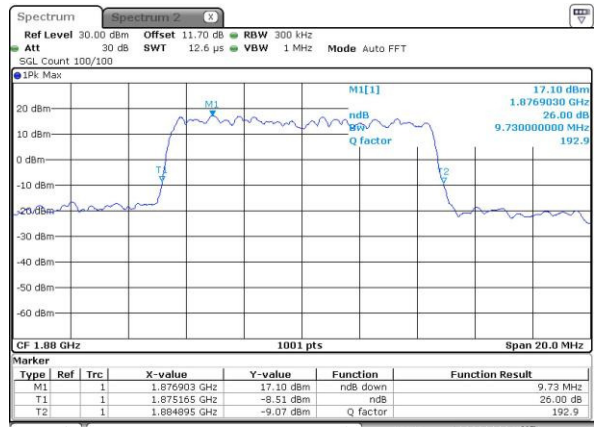
Date: 30\_SEP.2016 22:22:36

Middle Channel / 10MHz / QPSK



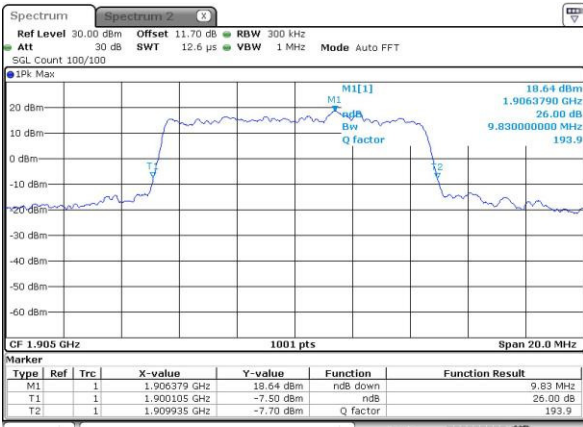
Date: 30\_SEP.2016 22:29:42

Middle Channel / 10MHz / 16QAM



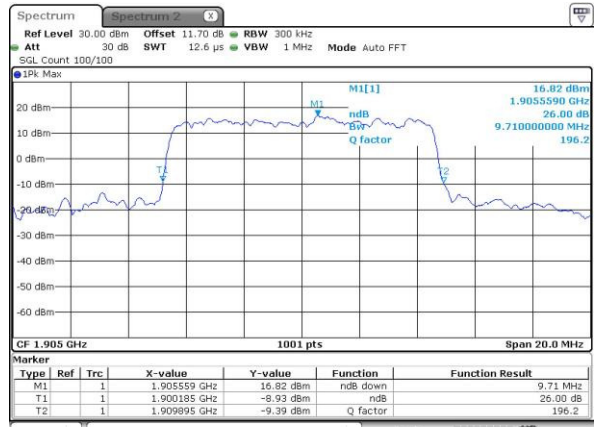
Date: 30\_SEP.2016 22:29:54

Highest Channel / 10MHz / QPSK



Date: 30\_SEP.2016 22:32:22

Highest Channel / 10MHz / 16QAM

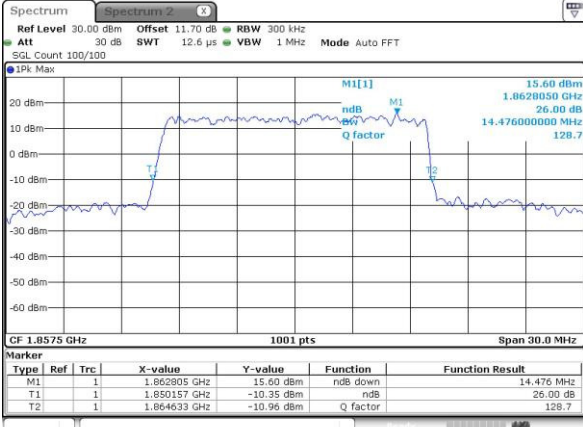


Date: 30\_SEP.2016 22:32:34



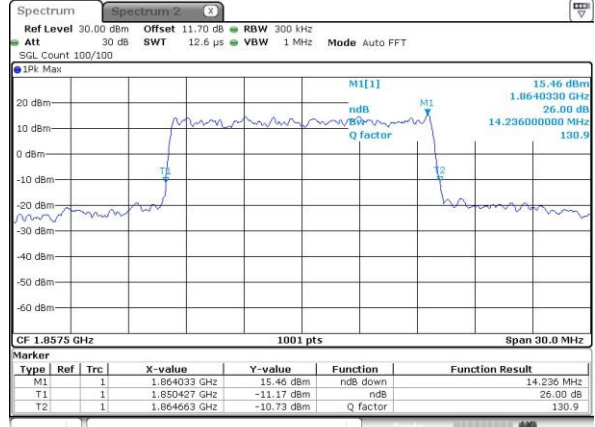
LTE Band 2

Lowest Channel / 15MHz / QPSK



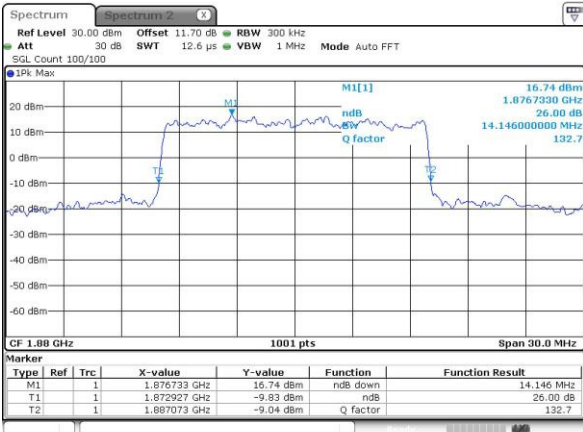
Date: 30\_SEP.2016 22:19:40

Lowest Channel / 15MHz / 16QAM



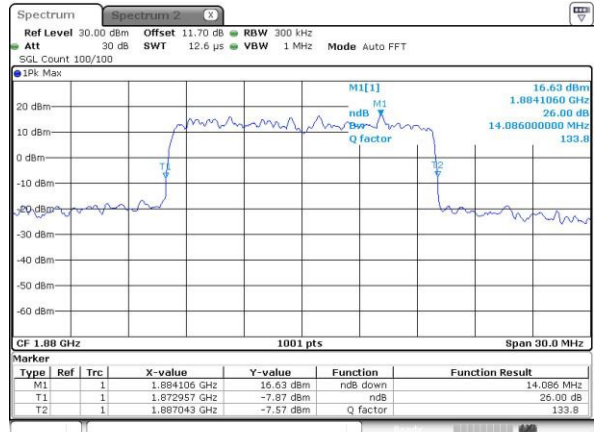
Date: 30\_SEP.2016 22:19:52

Middle Channel / 15MHz / QPSK



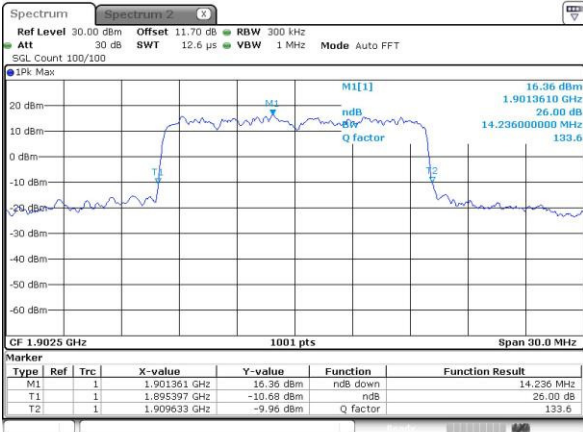
Date: 30\_SEP.2016 22:14:58

Middle Channel / 15MHz / 16QAM



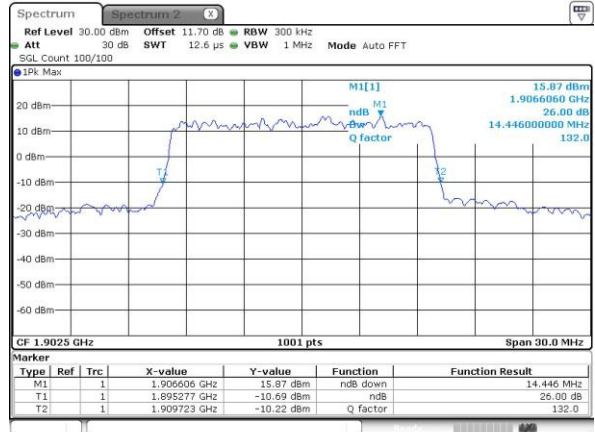
Date: 30\_SEP.2016 22:14:10

Highest Channel / 15MHz / QPSK



Date: 30\_SEP.2016 22:14:38

Highest Channel / 15MHz / 16QAM



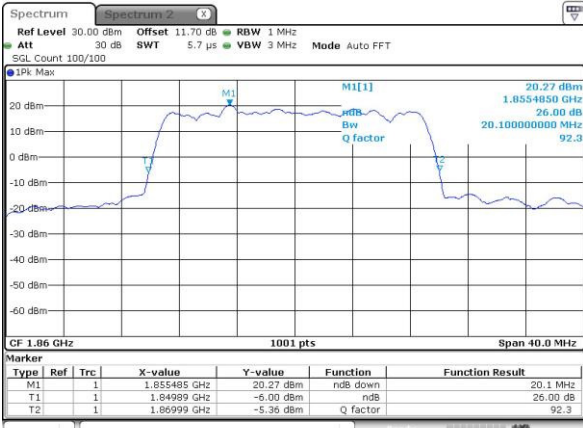
Date: 30\_SEP.2016 22:14:50





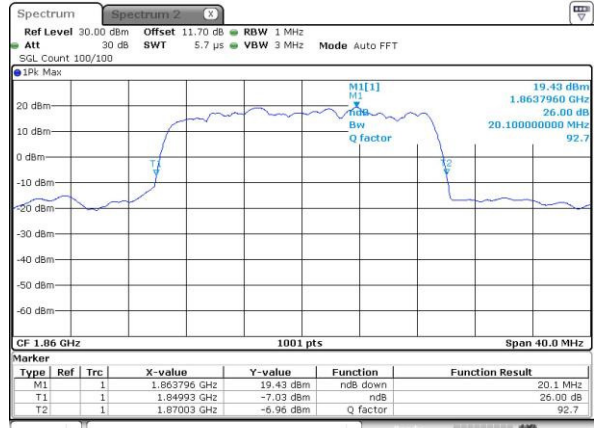
LTE Band 2

Lowest Channel / 20MHz / QPSK



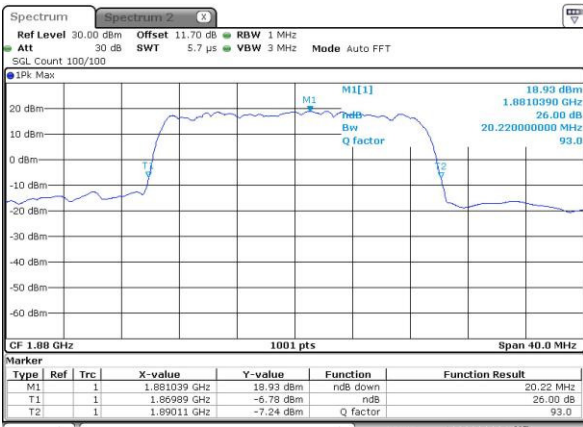
Date: 3.OCT.2016 22:17:58

Lowest Channel / 20MHz / 16QAM



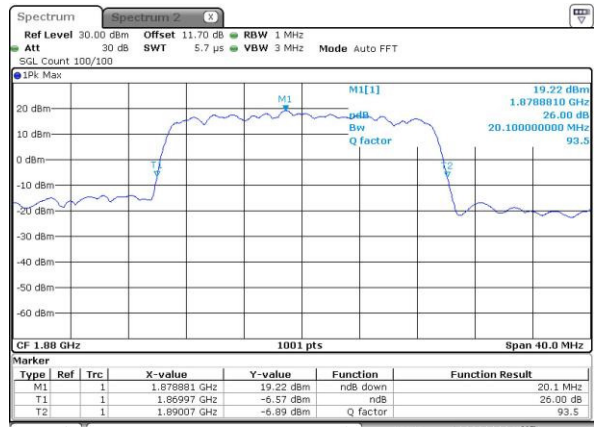
Date: 3.OCT.2016 22:18:09

Middle Channel / 20MHz / QPSK



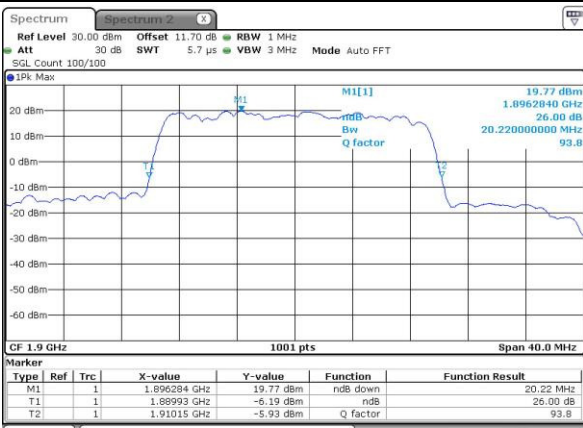
Date: 3.OCT.2016 22:18:45

Middle Channel / 20MHz / 16QAM



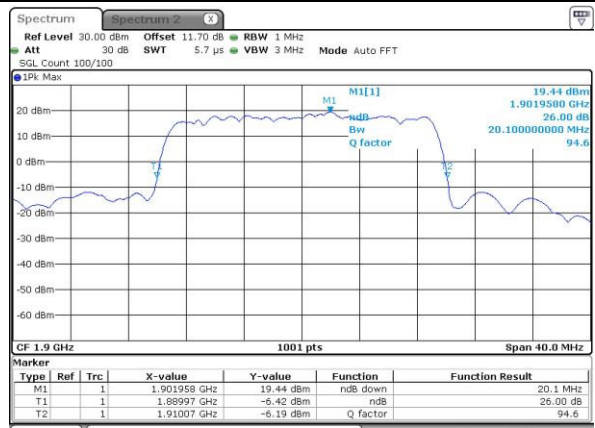
Date: 3.OCT.2016 22:18:56

Highest Channel / 20MHz / QPSK



Date: 3.OCT.2016 22:19:31

Highest Channel / 20MHz / 16QAM



Date: 3.OCT.2016 22:19:43





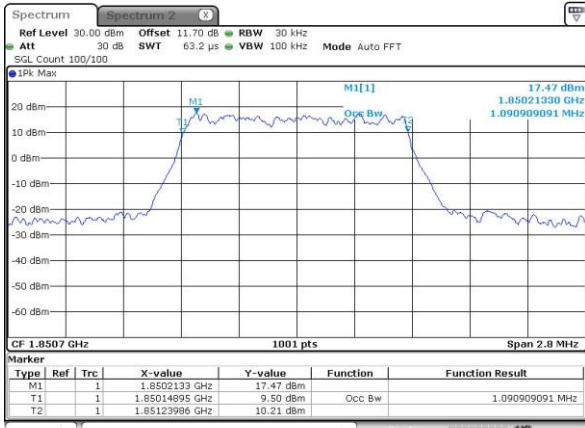
### Occupied Bandwidth

| Mode       | LTE Band 2 : 99%OBW(MHz) |       |      |       |      |       |       |       |       |       |       |       |
|------------|--------------------------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
|            | 1.4MHz                   |       | 3MHz |       | 5MHz |       | 10MHz |       | 15MHz |       | 20MHz |       |
| BW         | QPSK                     | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Mod.       | QPSK                     | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Lowest CH  | 1.09                     | 1.1   | 2.73 | 2.7   | 4.49 | 4.48  | 8.99  | 8.99  | 13.49 | 13.43 | 18.22 | 18.26 |
| Middle CH  | 1.09                     | 1.09  | 2.72 | 2.73  | 4.5  | 4.49  | 8.99  | 9.01  | 13.43 | 13.43 | 18.26 | 18.3  |
| Highest CH | 1.09                     | 1.1   | 2.73 | 2.72  | 4.49 | 4.5   | 9.03  | 8.95  | 13.46 | 13.37 | 18.34 | 18.18 |



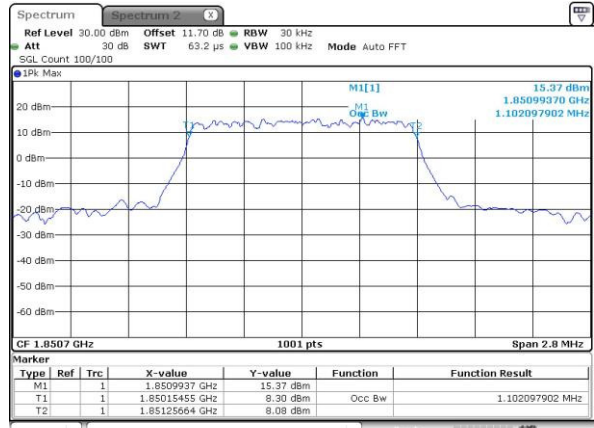
LTE Band 2

Lowest Channel / 1.4MHz / QPSK



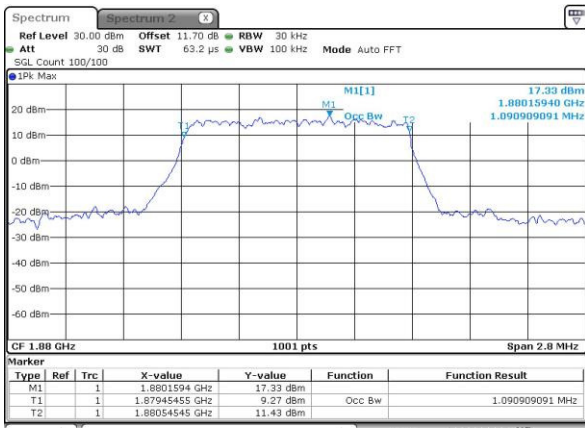
Date: 3.OCT.2016 13:56:44

Lowest Channel / 1.4MHz / 16QAM



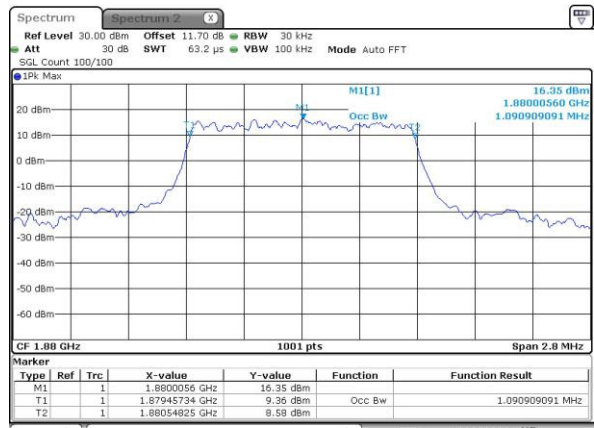
Date: 3.OCT.2016 13:56:56

Middle Channel / 1.4MHz / QPSK



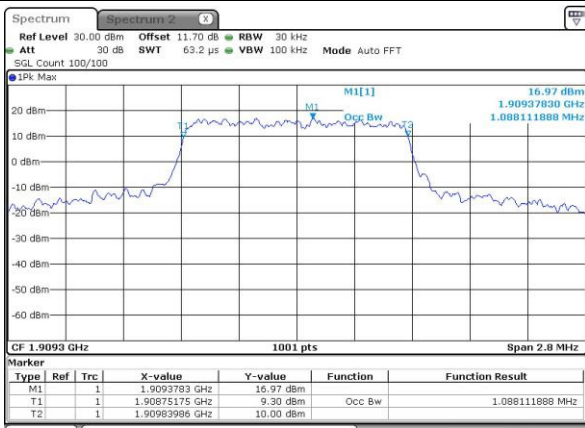
Date: 3.OCT.2016 13:59:29

Middle Channel / 1.4MHz / 16QAM



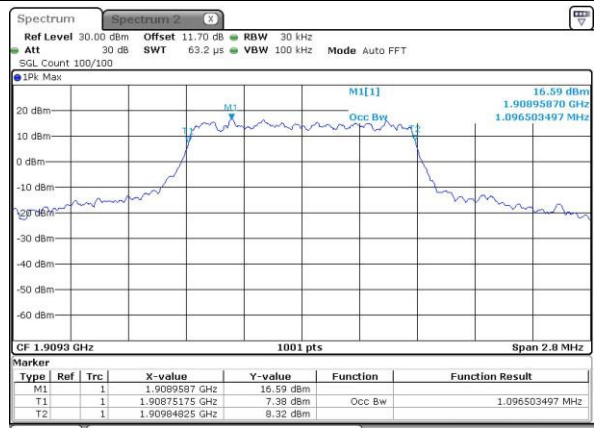
Date: 3.OCT.2016 13:59:41

Highest Channel / 1.4MHz / QPSK



Date: 3.OCT.2016 14:02:15

Highest Channel / 1.4MHz / 16QAM

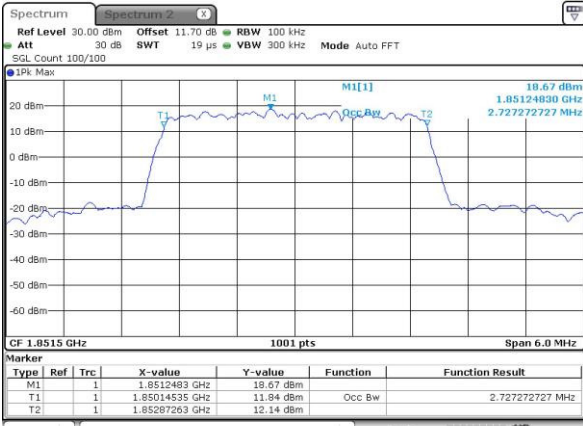


Date: 3.OCT.2016 14:02:26



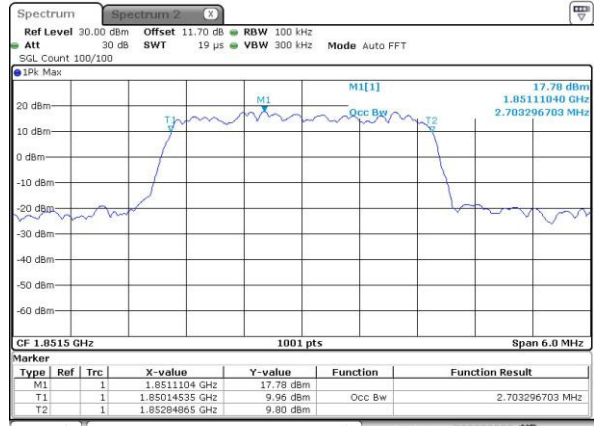
LTE Band 2

Lowest Channel / 3MHz / QPSK



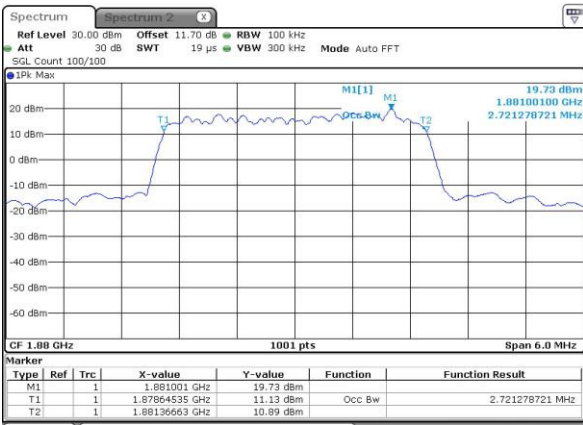
Date: 3.OCT.2016 13:54:30

Lowest Channel / 3MHz / 16QAM



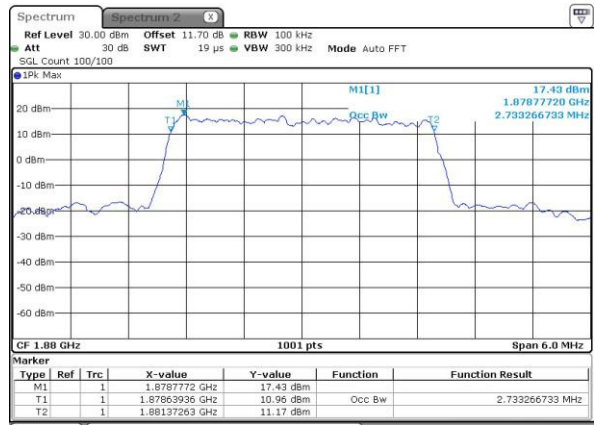
Date: 30.SEP.2016 21:47:40

Middle Channel / 3MHz / QPSK



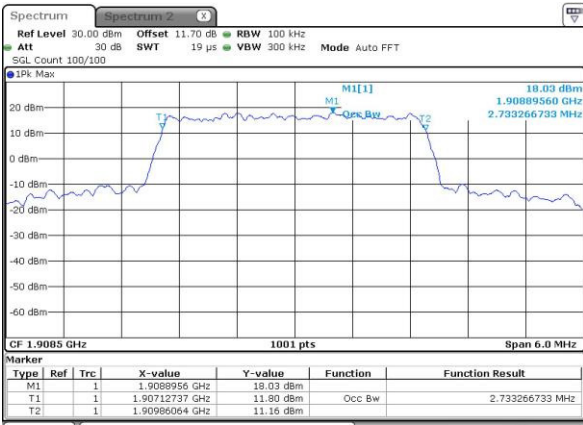
Date: 30.SEP.2016 21:54:47

Middle Channel / 3MHz / 16QAM



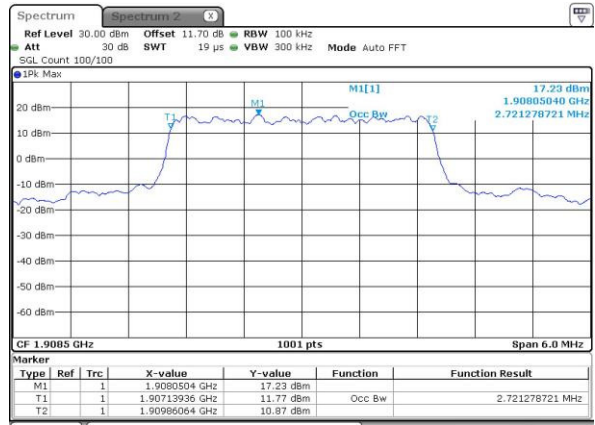
Date: 30.SEP.2016 21:54:58

Highest Channel / 3MHz / QPSK



Date: 30.SEP.2016 21:57:27

Highest Channel / 3MHz / 16QAM

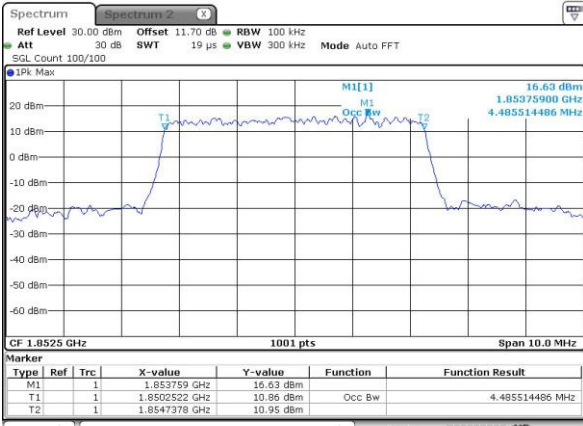


Date: 30.SEP.2016 21:57:38



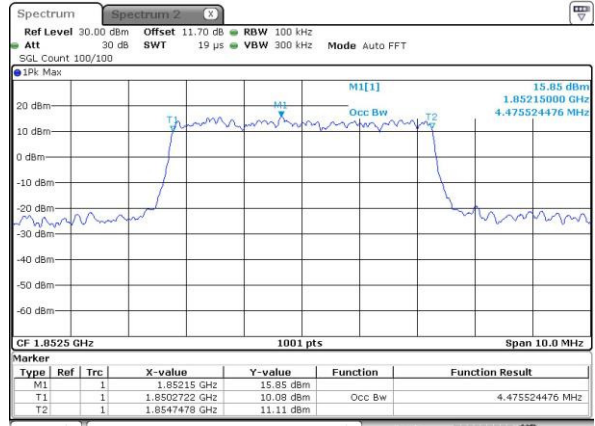
LTE Band 2

Lowest Channel / 5MHz / QPSK



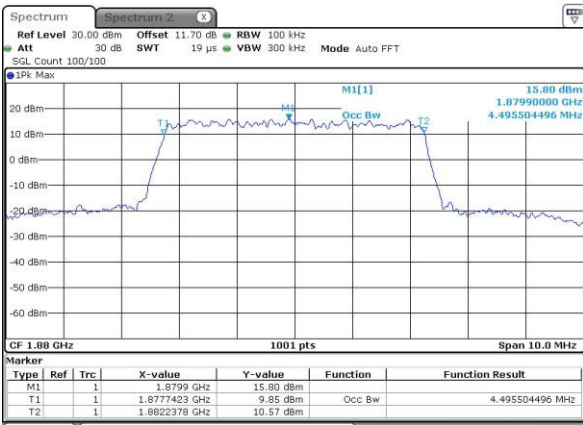
Date: 30\_SEP.2016 22:04:44

Lowest Channel / 5MHz / 16QAM



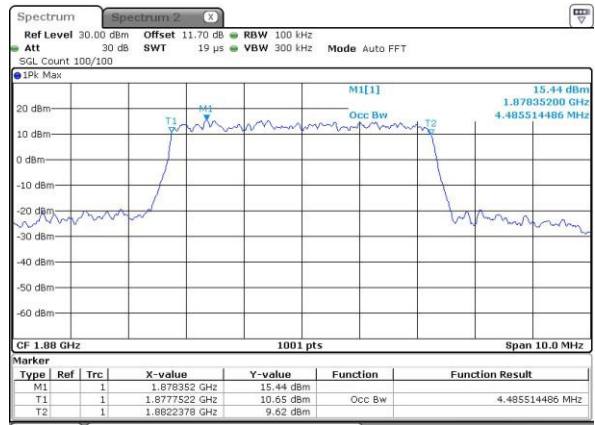
Date: 30\_SEP.2016 22:04:56

Middle Channel / 5MHz / QPSK



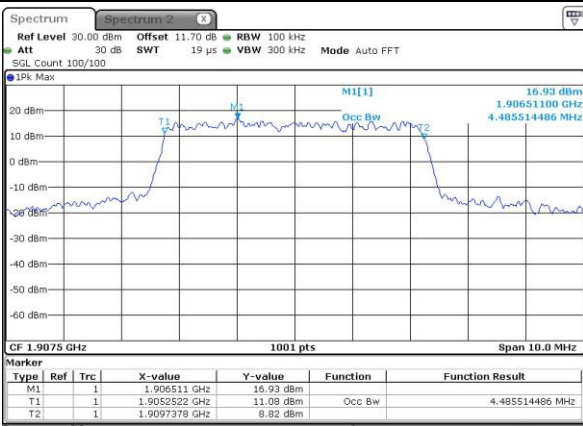
Date: 30\_SEP.2016 22:12:03

Middle Channel / 5MHz / 16QAM



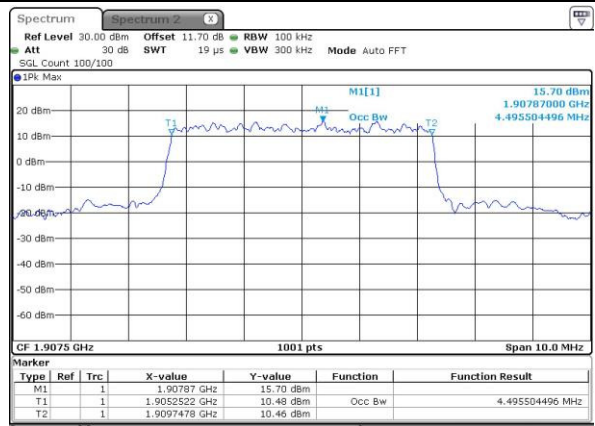
Date: 30\_SEP.2016 22:12:14

Highest Channel / 5MHz / QPSK



Date: 30\_SEP.2016 22:14:43

Highest Channel / 5MHz / 16QAM

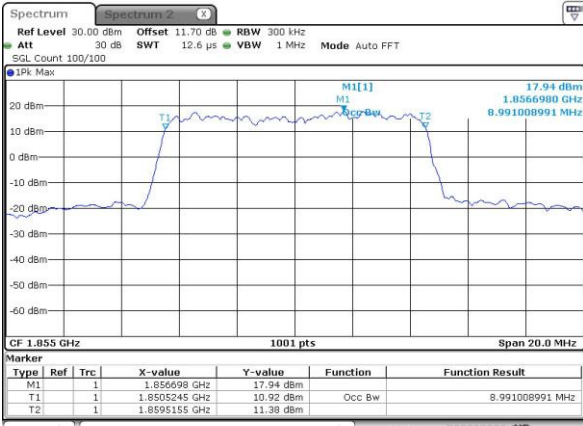


Date: 30\_SEP.2016 22:14:55



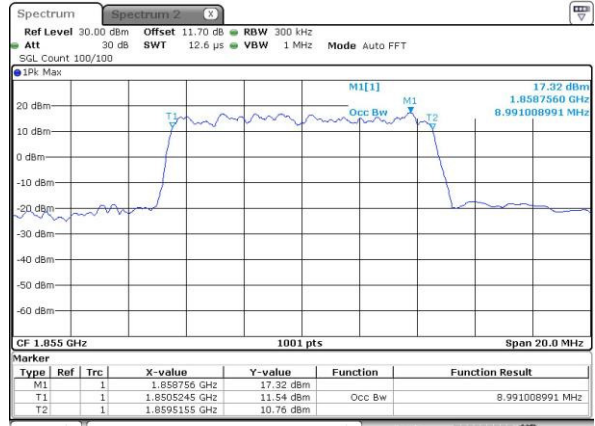
LTE Band 2

Lowest Channel / 10MHz / QPSK



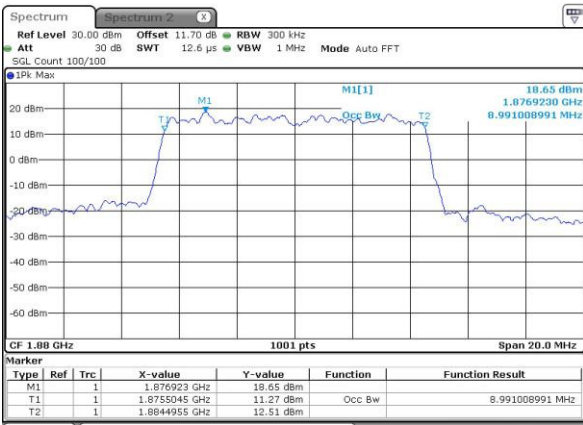
Date: 30\_SEP.2016 22:22:01

Lowest Channel / 10MHz / 16QAM



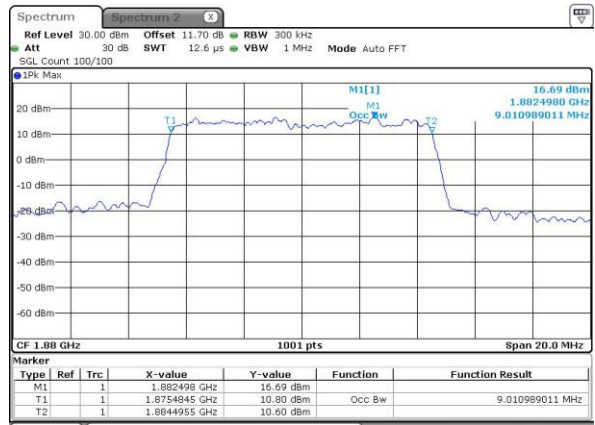
Date: 30\_SEP.2016 22:22:13

Middle Channel / 10MHz / QPSK



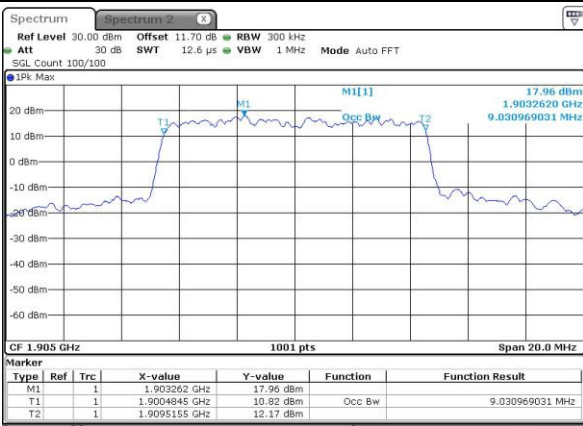
Date: 30\_SEP.2016 22:29:19

Middle Channel / 10MHz / 16QAM



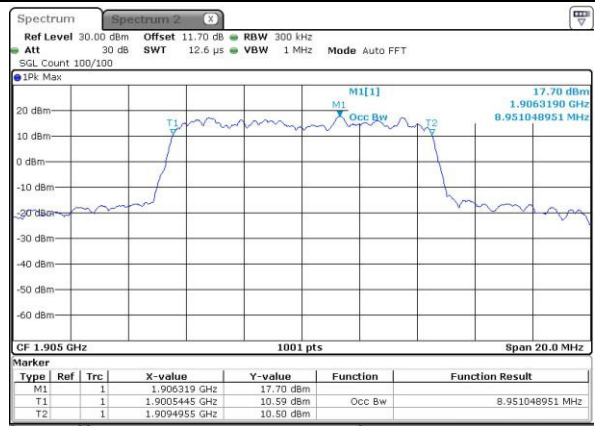
Date: 30\_SEP.2016 22:29:30

Highest Channel / 10MHz / QPSK



Date: 30\_SEP.2016 22:31:59

Highest Channel / 10MHz / 16QAM

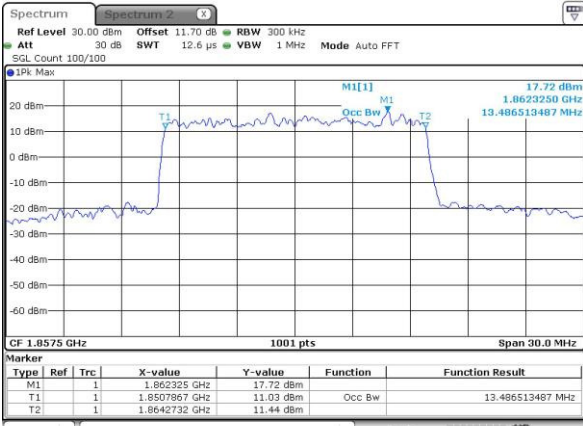


Date: 30\_SEP.2016 22:32:10



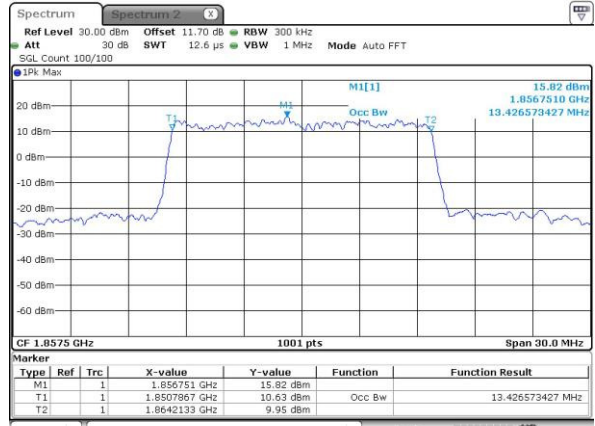
LTE Band 2

Lowest Channel / 15MHz / QPSK



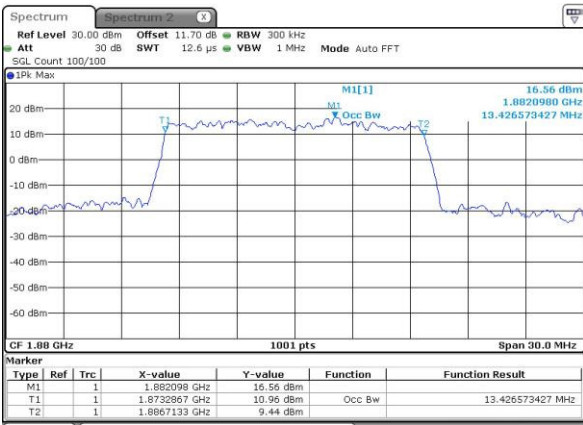
Date: 30\_SEP.2016 22:19:17

Lowest Channel / 15MHz / 16QAM



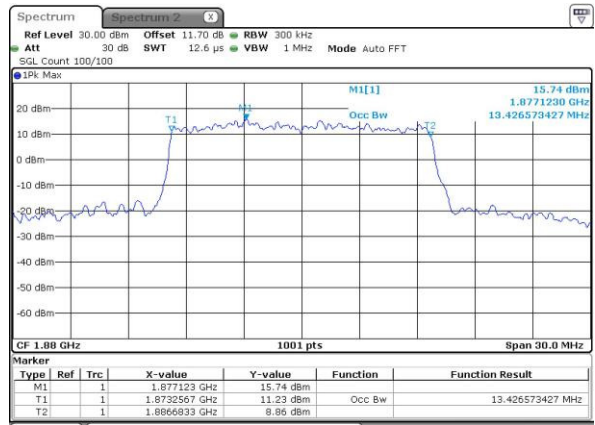
Date: 30\_SEP.2016 22:19:28

Middle Channel / 15MHz / QPSK



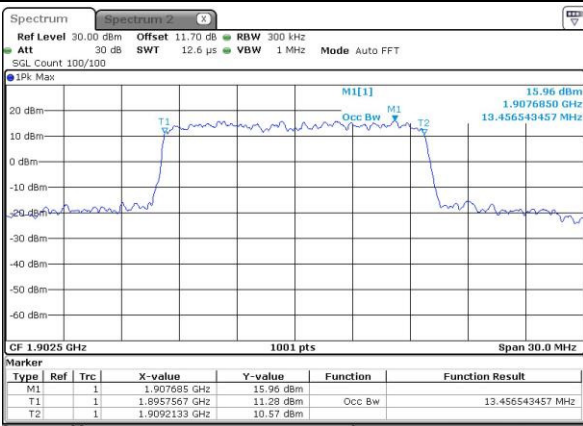
Date: 30\_SEP.2016 22:14:05

Middle Channel / 15MHz / 16QAM



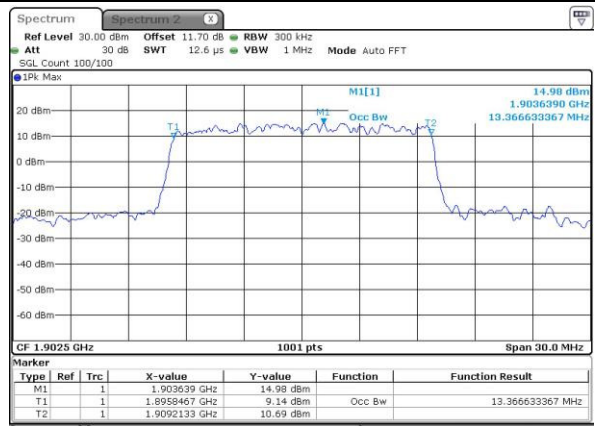
Date: 30\_SEP.2016 22:14:46

Highest Channel / 15MHz / QPSK



Date: 30\_SEP.2016 22:14:15

Highest Channel / 15MHz / 16QAM



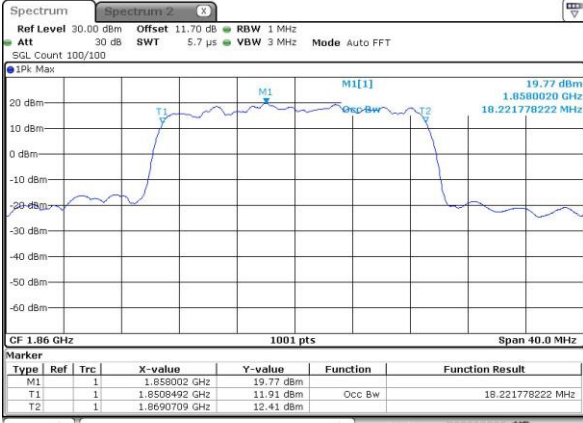
Date: 30\_SEP.2016 22:14:26





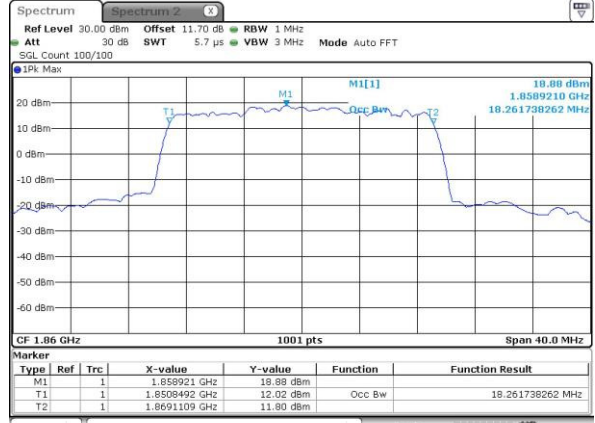
LTE Band 2

Lowest Channel / 20MHz / QPSK



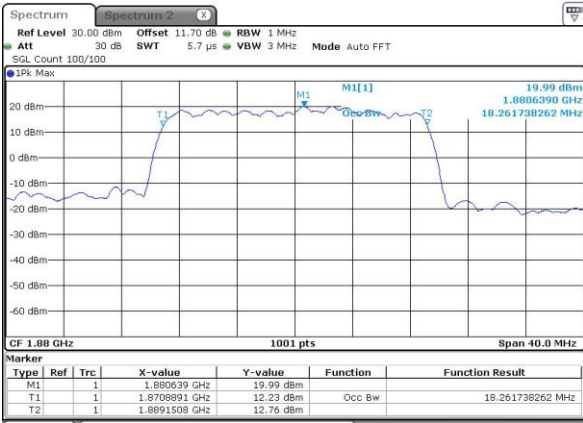
Date: 3.OCT.2016 22:17:32

Lowest Channel / 20MHz / 16QAM



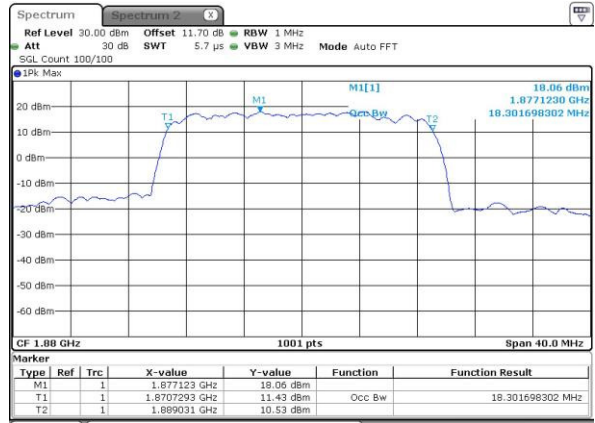
Date: 3.OCT.2016 22:17:46

Middle Channel / 20MHz / QPSK



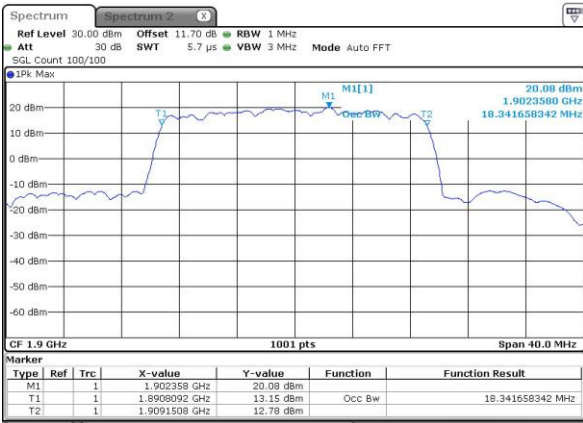
Date: 3.OCT.2016 22:18:21

Middle Channel / 20MHz / 16QAM



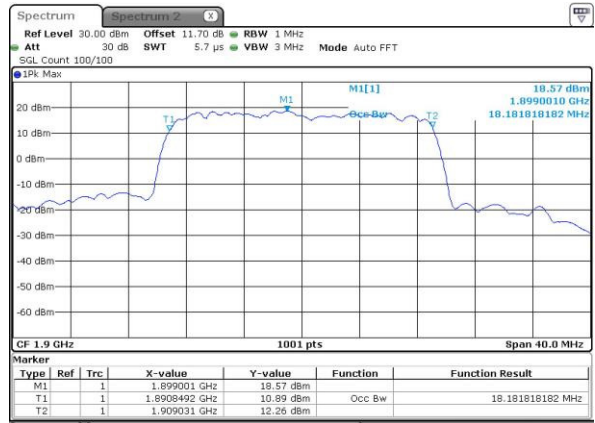
Date: 3.OCT.2016 22:18:33

Highest Channel / 20MHz / QPSK



Date: 3.OCT.2016 22:19:08

Highest Channel / 20MHz / 16QAM



Date: 3.OCT.2016 22:19:20

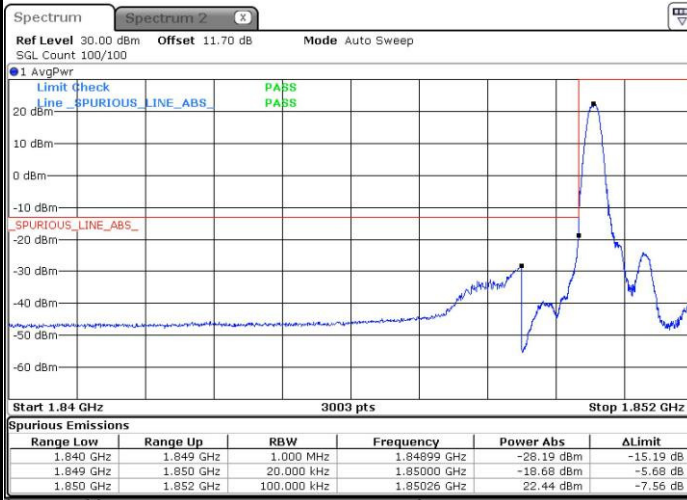


**Conducted Band Edge**



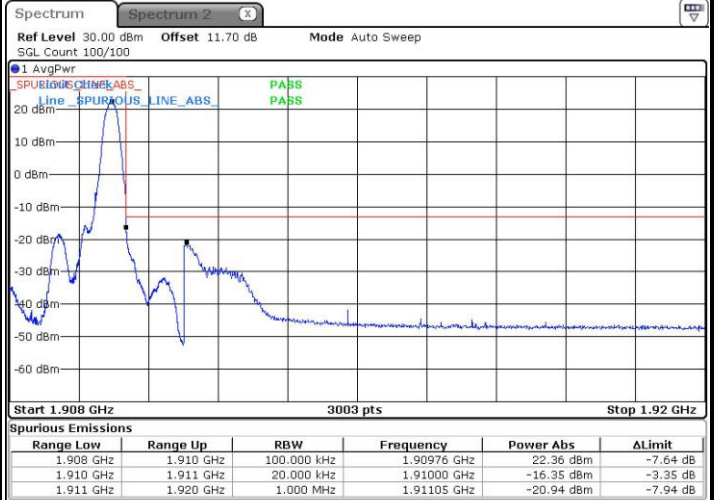
LTE Band 2 / 1.4MHz / QPSK

Lowest Band Edge / 1RB



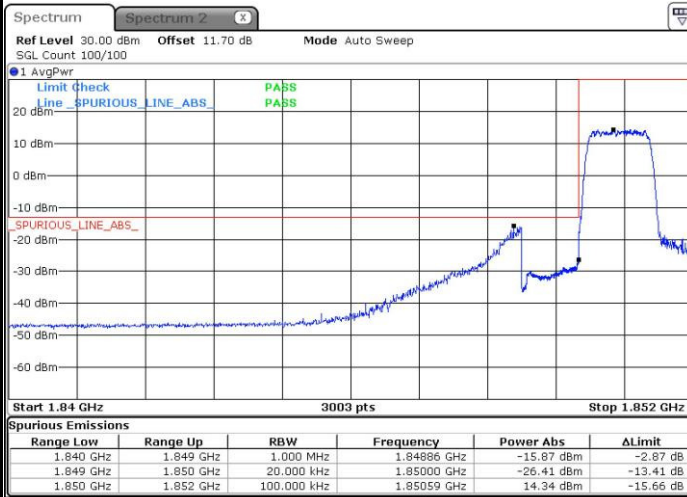
Date: 30.SEP.2016 23:10:30

Highest Band Edge / 1RB



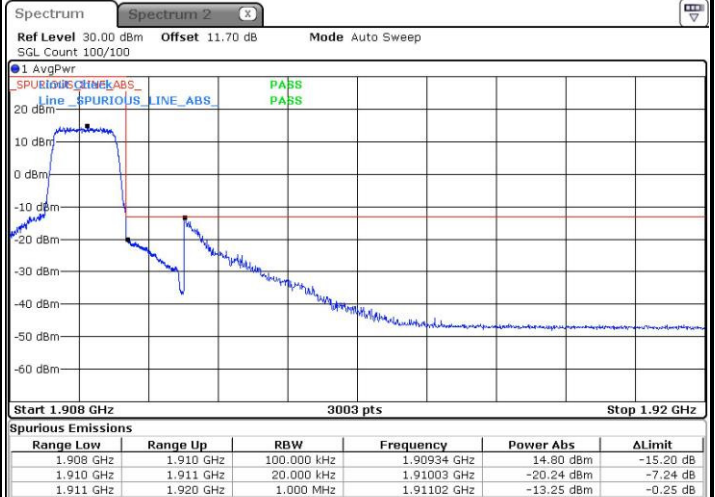
Date: 30.SEP.2016 23:15:08

Lowest Band Edge / Full RB



Date: 30.SEP.2016 23:12:49

Highest Band Edge / Full RB

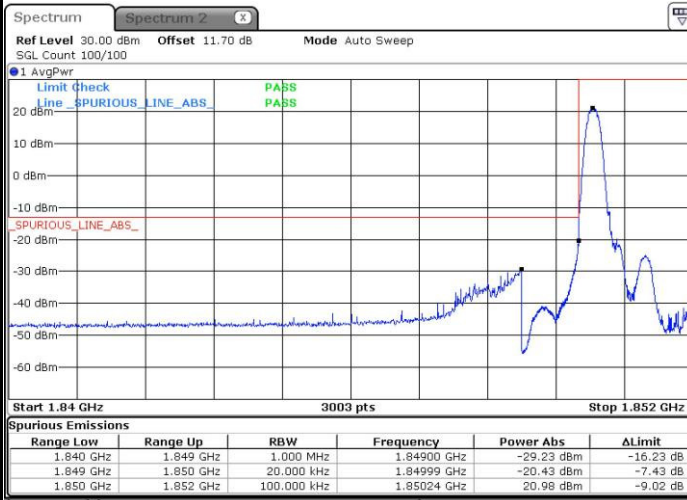


Date: 30.SEP.2016 23:17:27



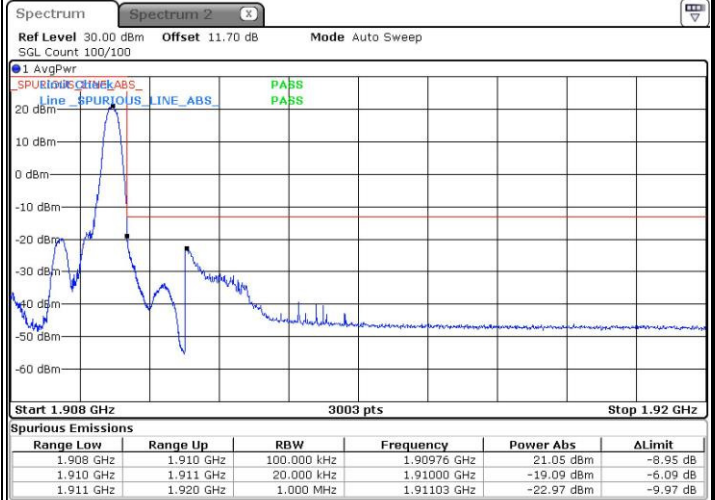
LTE Band 2 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



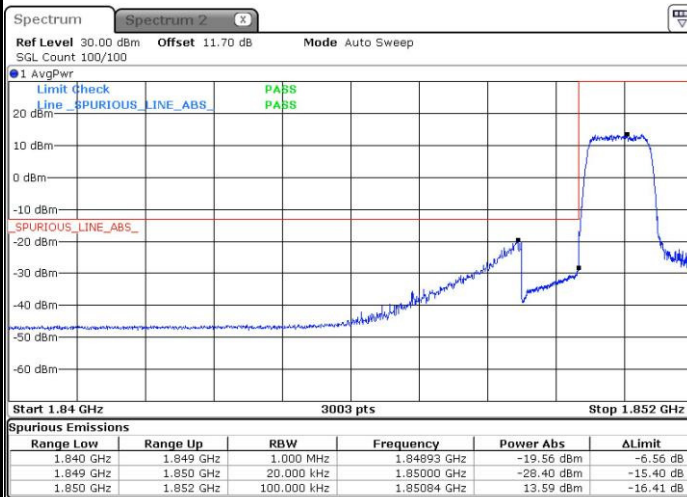
Date: 30.SEP.2016 23:11:39

Highest Band Edge / 1 RB



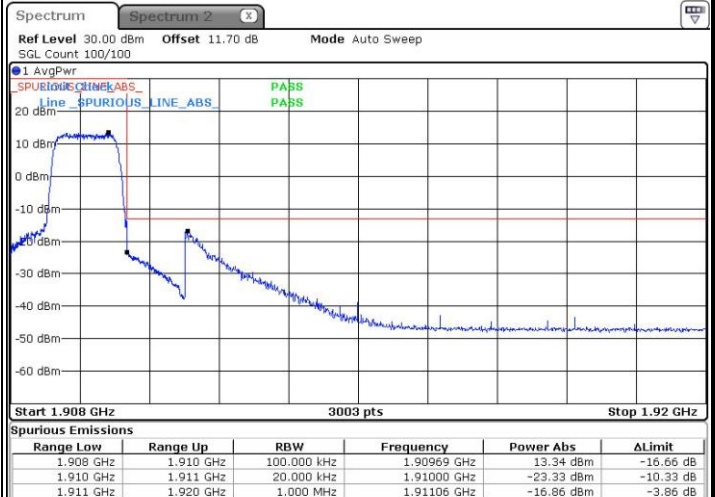
Date: 30.SEP.2016 23:16:17

Lowest Band Edge / Full RB



Date: 30.SEP.2016 23:13:58

Highest Band Edge / Full RB

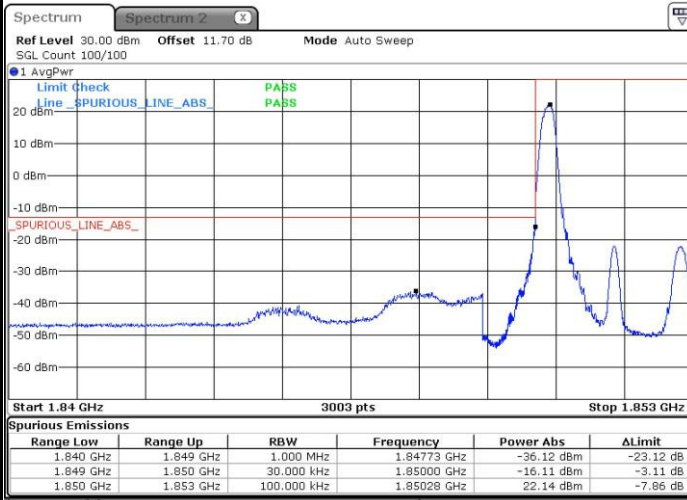


Date: 30.SEP.2016 23:18:36



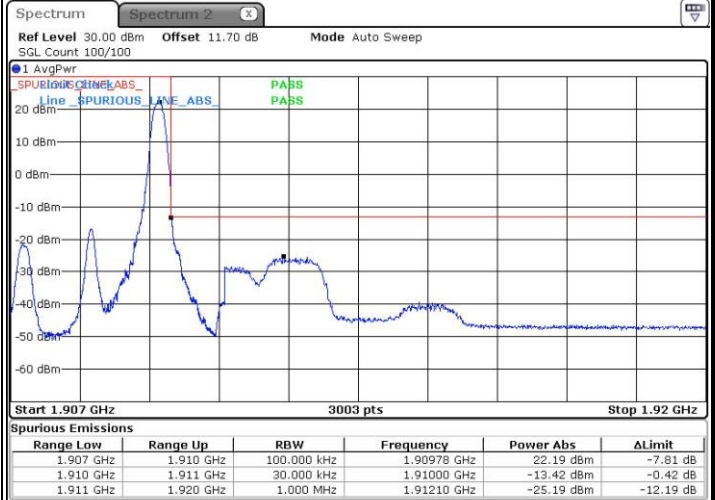
LTE Band 2 / 3MHz / QPSK

Lowest Band Edge / 1RB



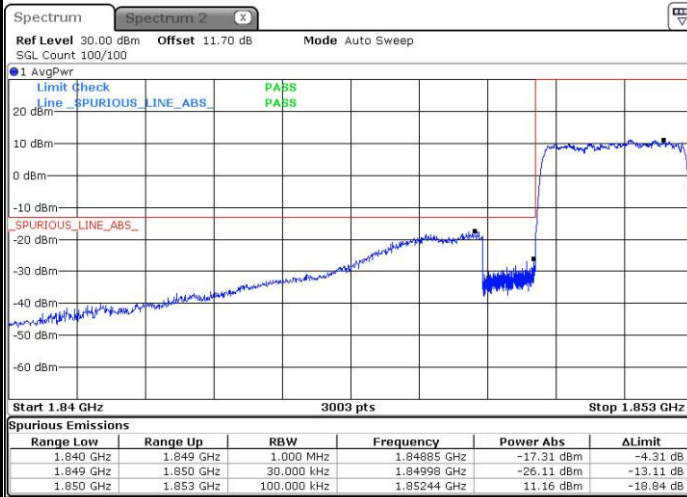
Date: 30.SEP.2016 21:49:13

Highest Band Edge / 1 RB



Date: 30.SEP.2016 21:59:11

Lowest Band Edge / Full RB



Date: 30.SEP.2016 21:51:32

Highest Band Edge / Full RB



Date: 5.OCT.2016 17:03:04