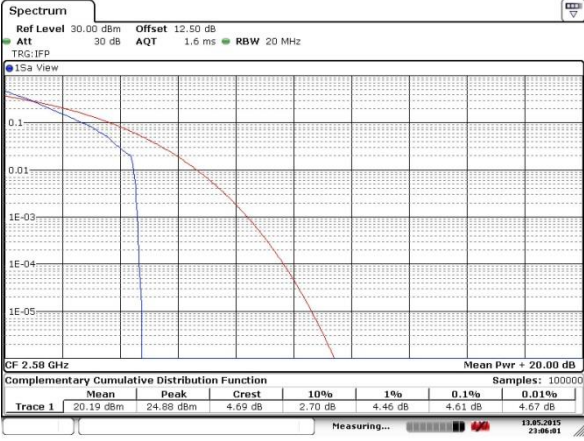




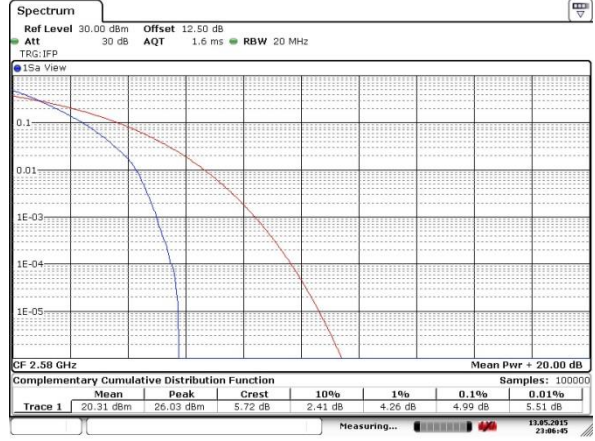
LTE Band 38 / 20MHz / QPSK

Lowest Channel / 1RB



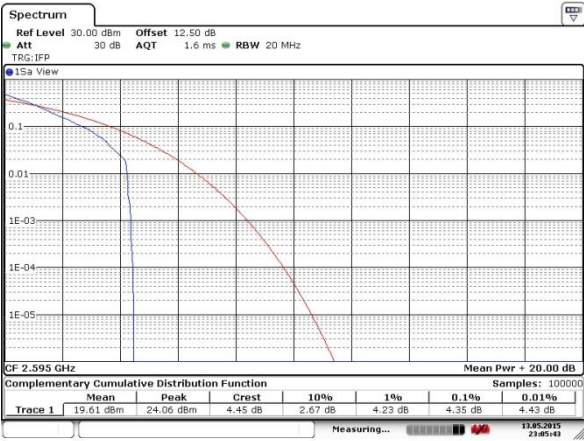
Date: 13 MAY 2015 23:08:00

Lowest Channel / Full RB



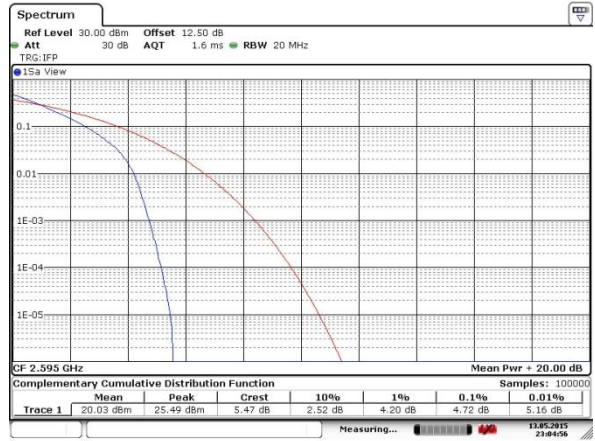
Date: 13 MAY 2015 23:08:45

Middle Channel / 1RB



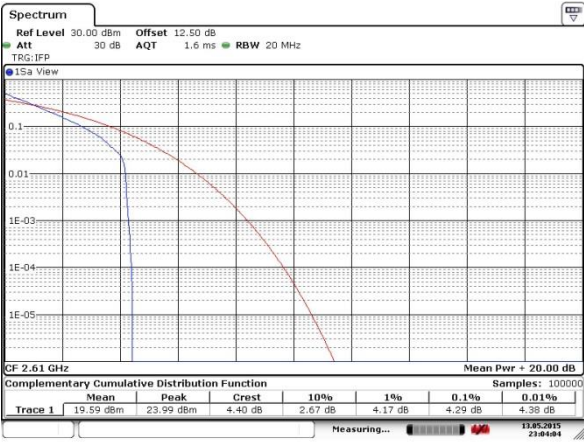
Date: 13 MAY 2015 23:05:43

Middle Channel / Full RB



Date: 13 MAY 2015 23:04:56

Highest Channel / 1RB



Date: 13 MAY 2015 23:04:04

Highest Channel / Full RB

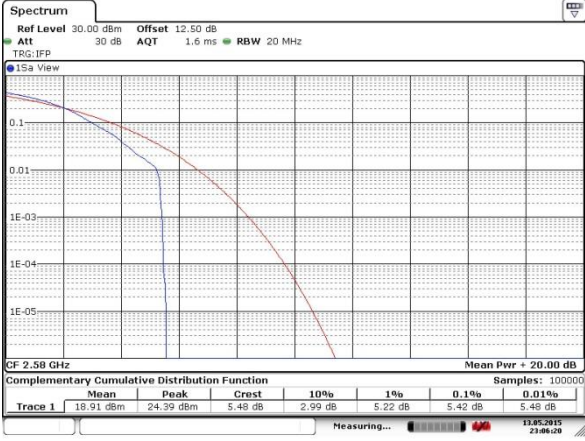


Date: 13 MAY 2015 23:04:41



LTE Band 38 / 20MHz / 16QAM

Lowest Channel / 1RB



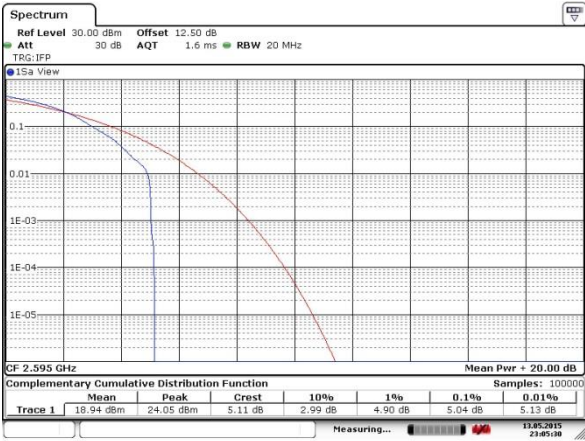
Date: 13 MAY 2015 23:08:20

Lowest Channel / Full RB



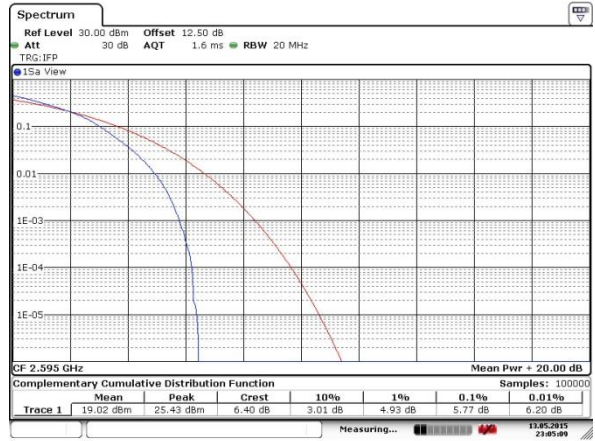
Date: 13 MAY 2015 23:08:32

Middle Channel / 1RB



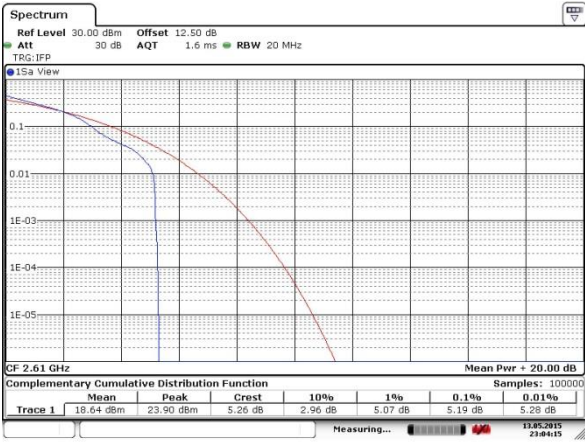
Date: 13 MAY 2015 23:05:30

Middle Channel / Full RB



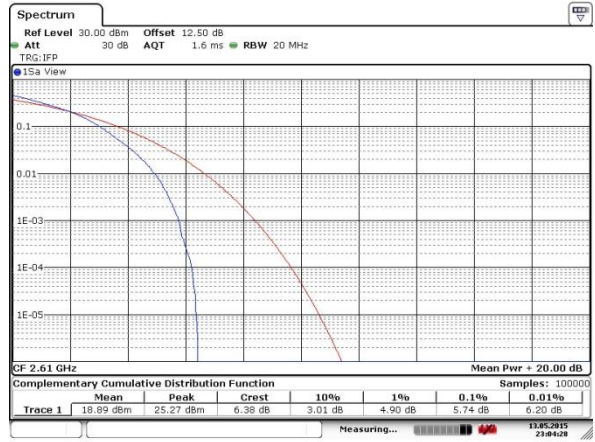
Date: 13 MAY 2015 23:05:09

Highest Channel / 1RB



Date: 13 MAY 2015 23:04:16

Highest Channel / Full RB



Date: 13 MAY 2015 23:04:29



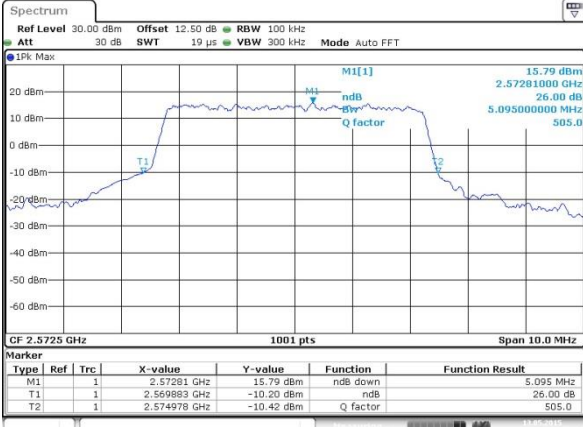
26dB Bandwidth

| Mode | LTE Band 38 : 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 | | | | | 5.10 | 4.97 | 10.03 | 9.85 | 14.48 | 14.60 | 20.38 | 20.22 |
| Middle CH | | | | | 5.18 | 4.97 | 9.83 | 9.87 | 14.72 | 14.78 | 20.54 | 20.34 |
| Highest CH | | | | | 5.26 | 4.98 | 10.19 | 9.91 | 14.57 | 14.78 | 20.42 | 20.22 |



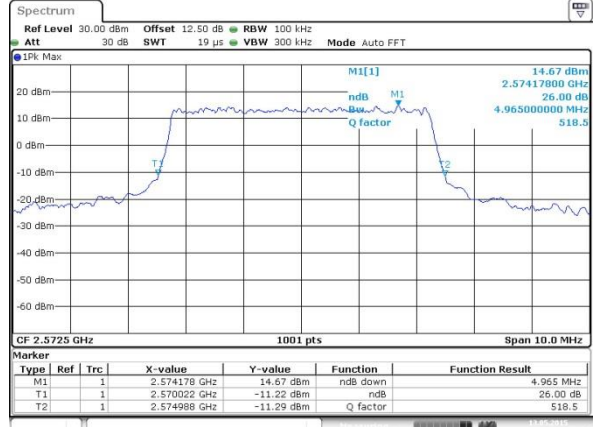
LTE Band 38

Lowest Channel / 5MHz / QPSK



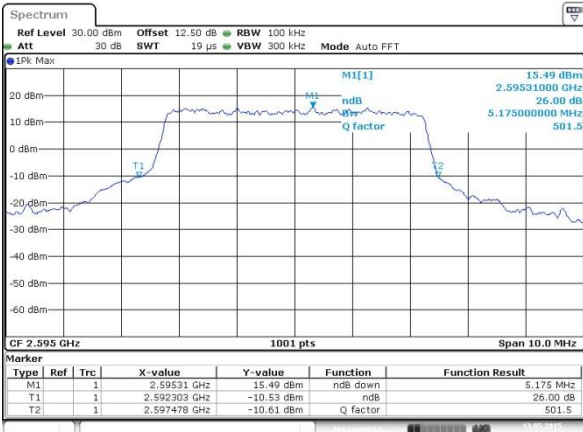
Date: 13 MAY 2015 00:20:19

Lowest Channel / 5MHz / 16QAM



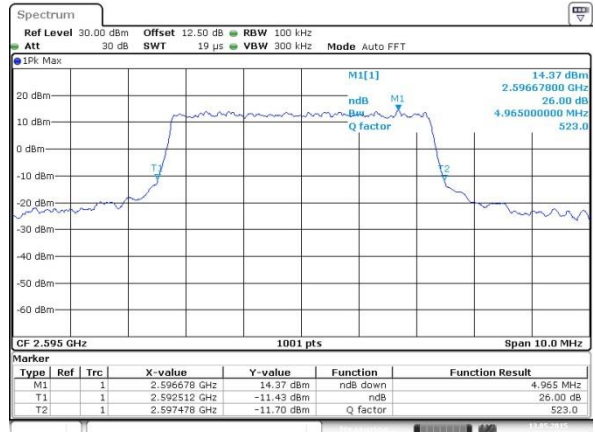
Date: 13 MAY 2015 00:20:34

Middle Channel / 5MHz / QPSK



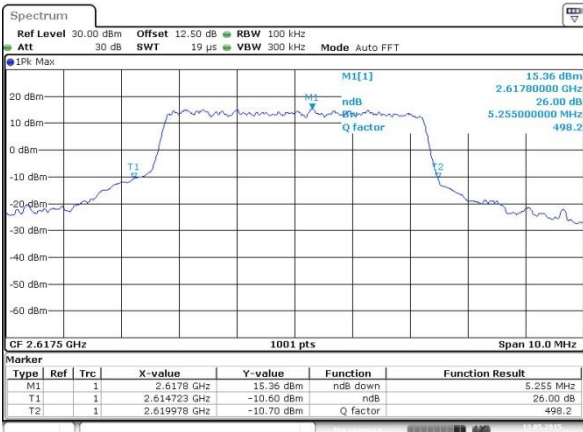
Date: 13 MAY 2015 00:21:13

Middle Channel / 5MHz / 16QAM



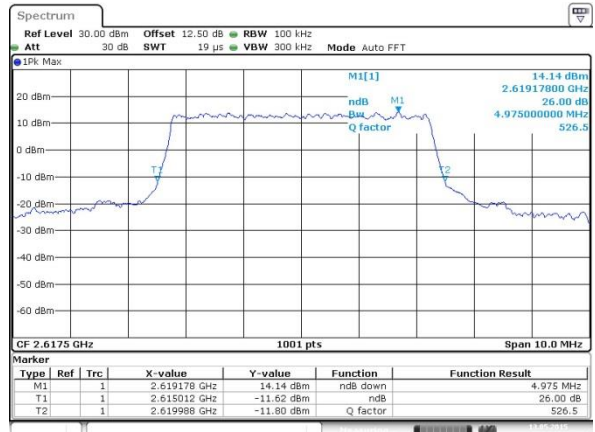
Date: 13 MAY 2015 00:21:28

Highest Channel / 5MHz / QPSK



Date: 13 MAY 2015 00:22:09

Highest Channel / 5MHz / 16QAM

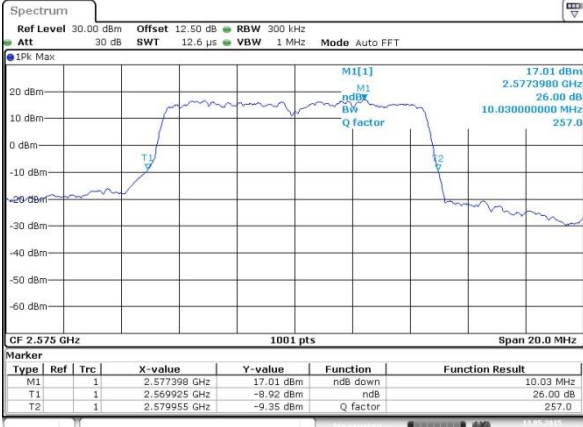


Date: 13 MAY 2015 00:22:24



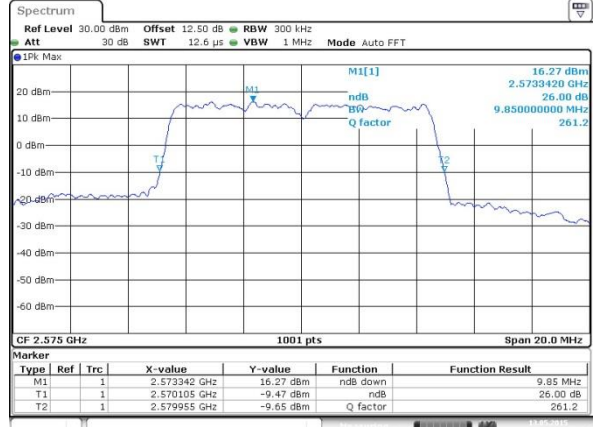
LTE Band 38

Lowest Channel / 10MHz / QPSK



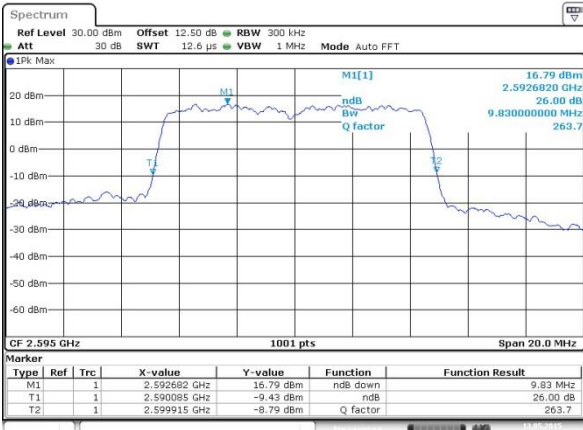
Date: 13 MAY 2015 00:23:06

Lowest Channel / 10MHz / 16QAM



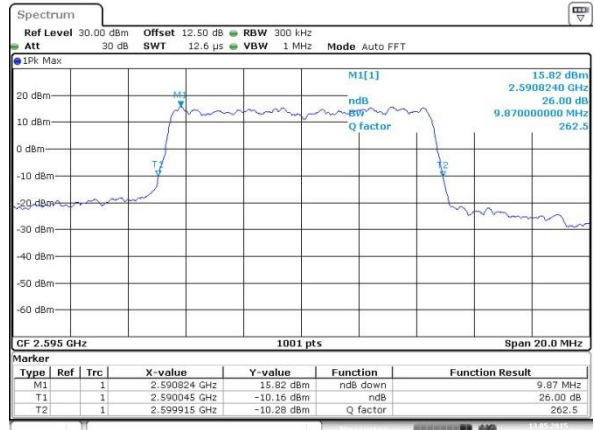
Date: 13 MAY 2015 00:23:22

Middle Channel / 10MHz / QPSK



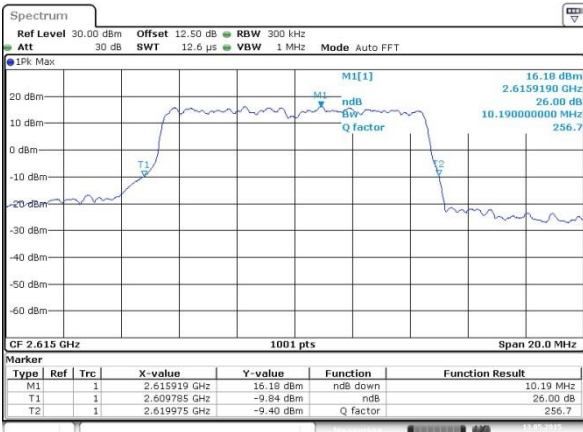
Date: 13 MAY 2015 00:24:06

Middle Channel / 10MHz / 16QAM



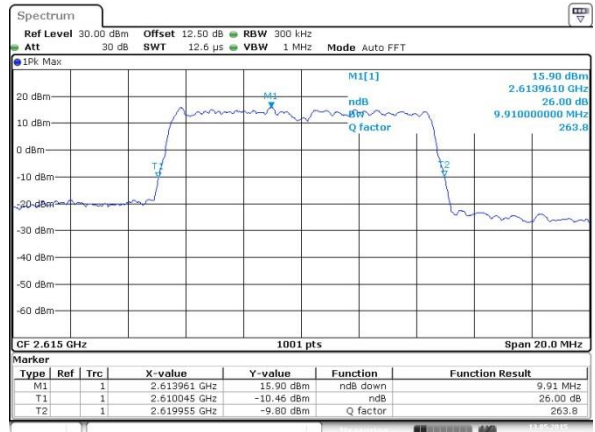
Date: 13 MAY 2015 00:24:22

Highest Channel / 10MHz / QPSK



Date: 13 MAY 2015 00:25:07

Highest Channel / 10MHz / 16QAM

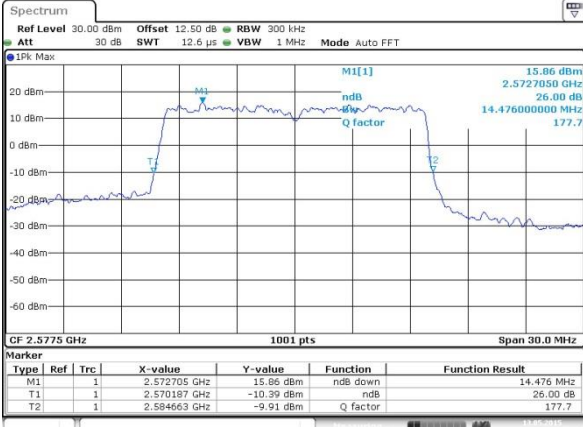


Date: 13 MAY 2015 00:25:24



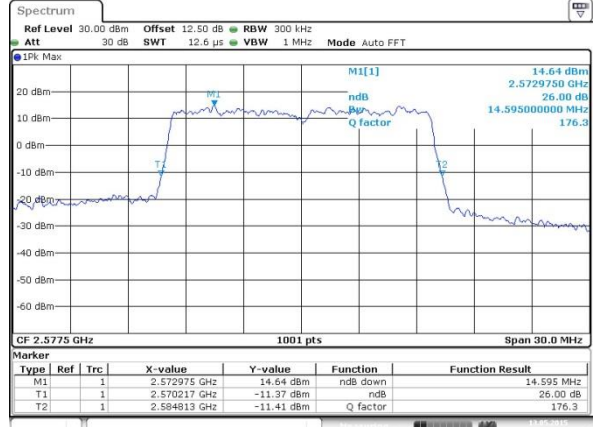
LTE Band 38

Lowest Channel / 15MHz / QPSK



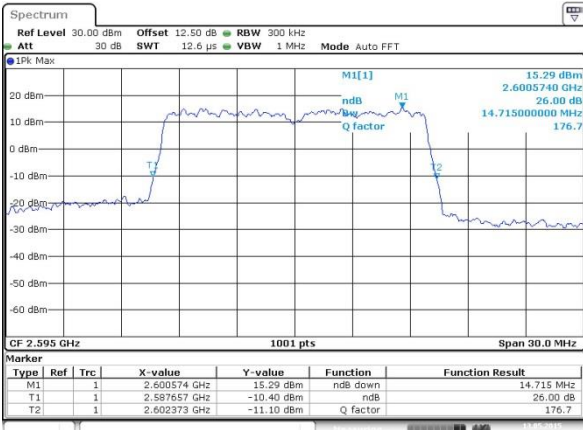
Date: 13 MAY 2015 00:28:11

Lowest Channel / 15MHz / 16QAM



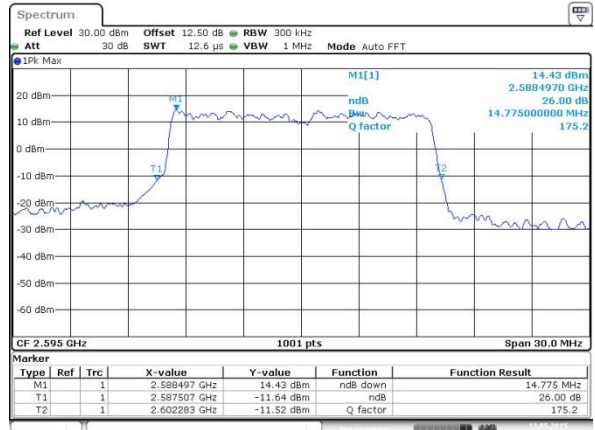
Date: 13 MAY 2015 00:28:28

Middle Channel / 15MHz / QPSK



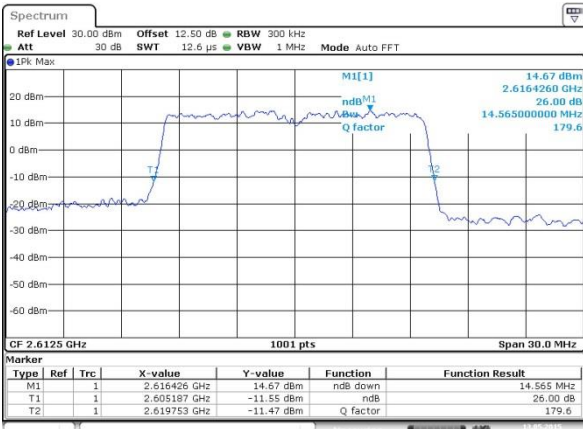
Date: 13 MAY 2015 00:27:16

Middle Channel / 15MHz / 16QAM



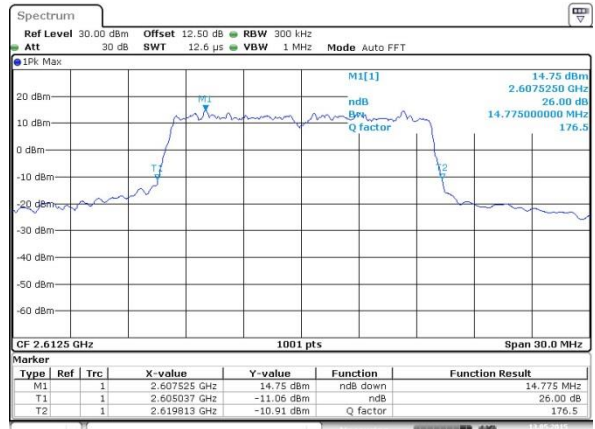
Date: 13 MAY 2015 00:27:34

Highest Channel / 15MHz / QPSK



Date: 13 MAY 2015 00:28:23

Highest Channel / 15MHz / 16QAM

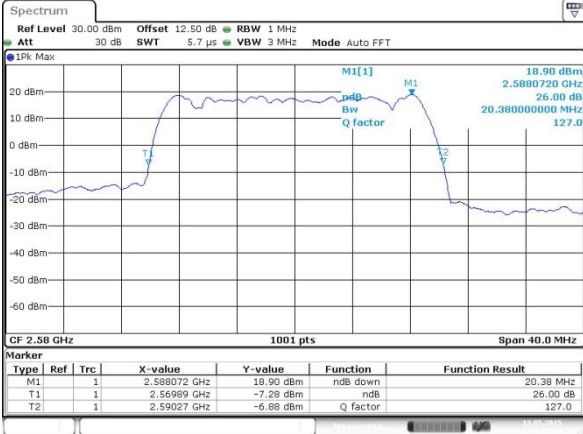


Date: 13 MAY 2015 00:28:41



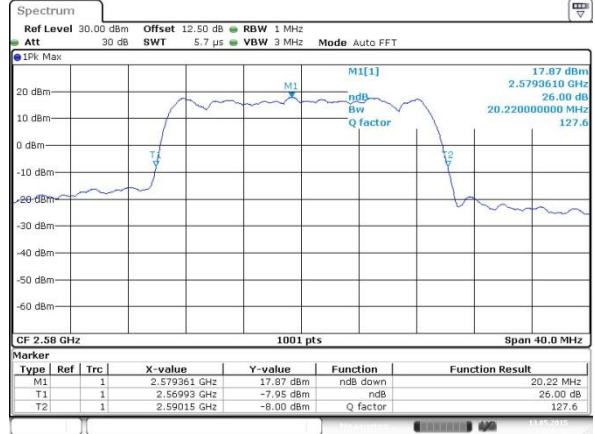
LTE Band 38

Lowest Channel / 20MHz / QPSK



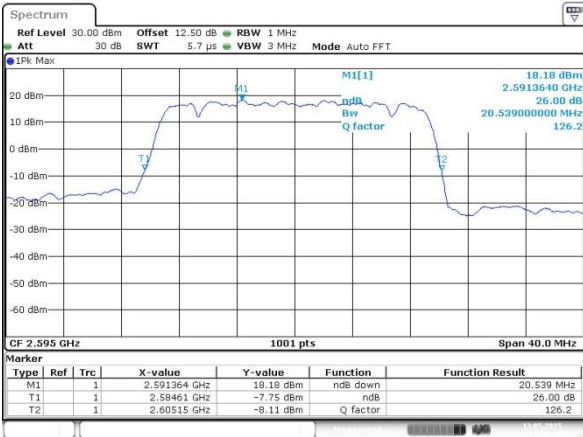
Date: 13 MAY 2015 00:39:24

Lowest Channel / 20MHz / 16QAM



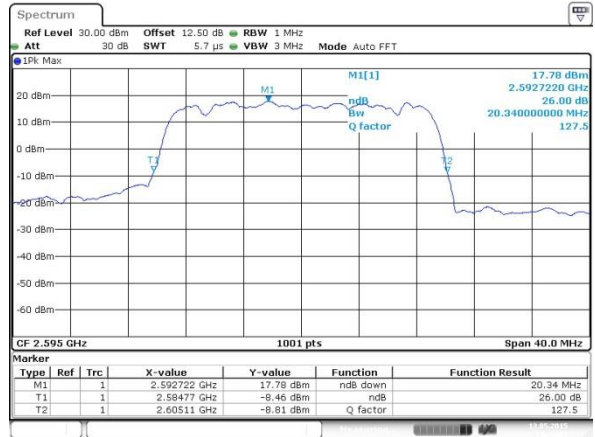
Date: 13 MAY 2015 00:39:44

Middle Channel / 20MHz / QPSK



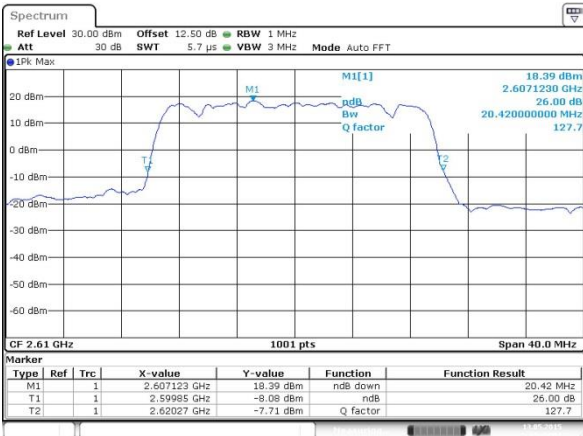
Date: 13 MAY 2015 00:40:43

Middle Channel / 20MHz / 16QAM



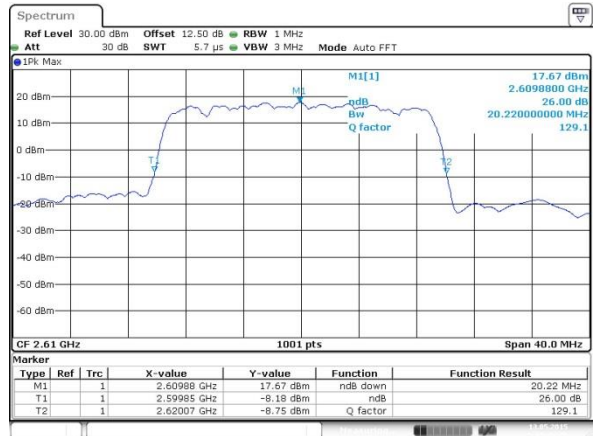
Date: 13 MAY 2015 00:41:04

Highest Channel / 20MHz / QPSK



Date: 13 MAY 2015 00:42:04

Highest Channel / 20MHz / 16QAM



Date: 13 MAY 2015 00:42:25



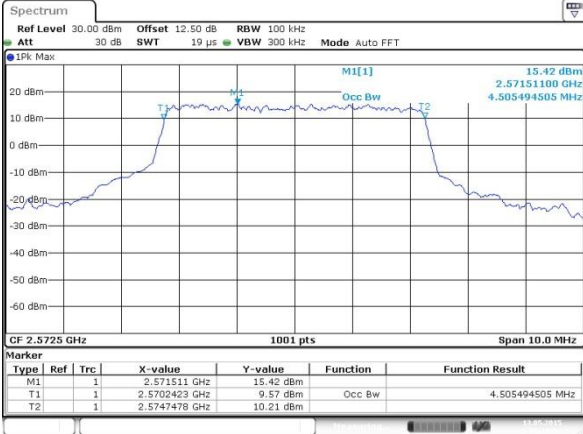
Occupied Bandwidth

| Mode | LTE Band 38 : 99%OBW(MHz) | | | | | | | | | | | |
|------------|---------------------------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| BW | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | - | - | - | - | 4.51 | 4.50 | 9.05 | 9.05 | 13.46 | 13.43 | 18.46 | 18.30 |
| Middle CH | - | - | - | - | 4.51 | 4.50 | 8.99 | 8.99 | 13.43 | 13.55 | 18.46 | 18.5 |
| Highest CH | - | - | - | - | 4.51 | 4.49 | 9.05 | 9.03 | 13.49 | 13.49 | 18.38 | 18.18 |



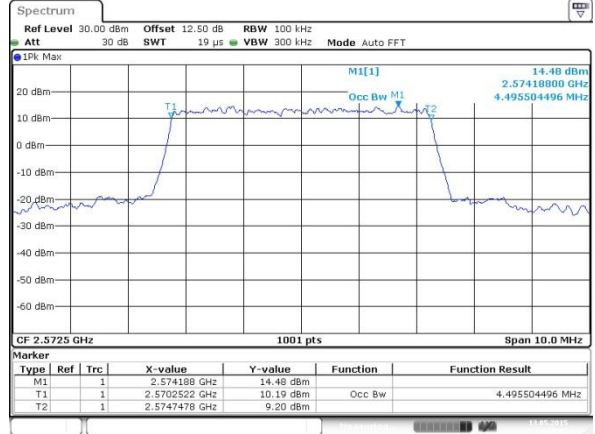
LTE Band 38

Lowest Channel / 5MHz / QPSK



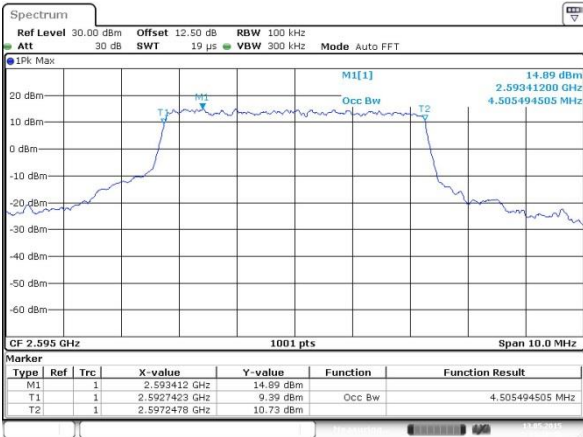
Date: 13 MAY 2015 00:19:53

Lowest Channel / 5MHz / 16QAM



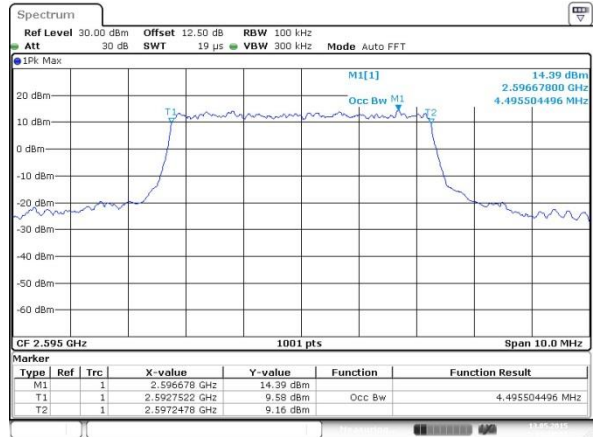
Date: 13 MAY 2015 00:20:05

Middle Channel / 5MHz / QPSK



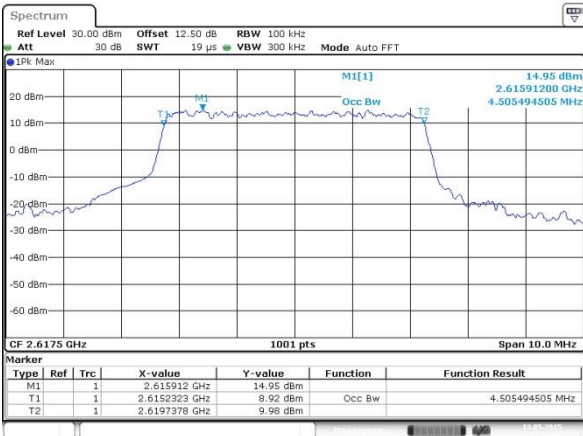
Date: 13 MAY 2015 00:20:46

Middle Channel / 5MHz / 16QAM



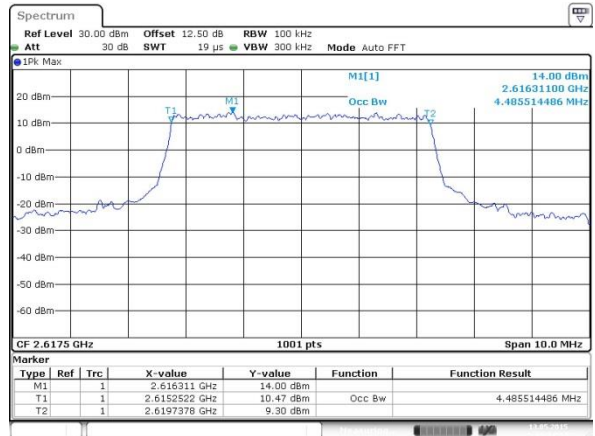
Date: 13 MAY 2015 00:20:59

Highest Channel / 5MHz / QPSK



Date: 13 MAY 2015 00:21:41

Highest Channel / 5MHz / 16QAM

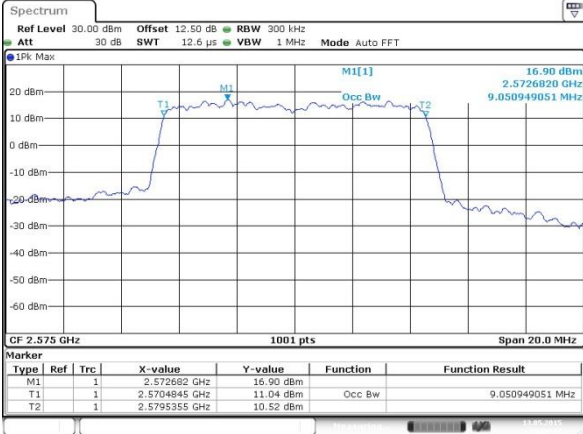


Date: 13 MAY 2015 00:21:54



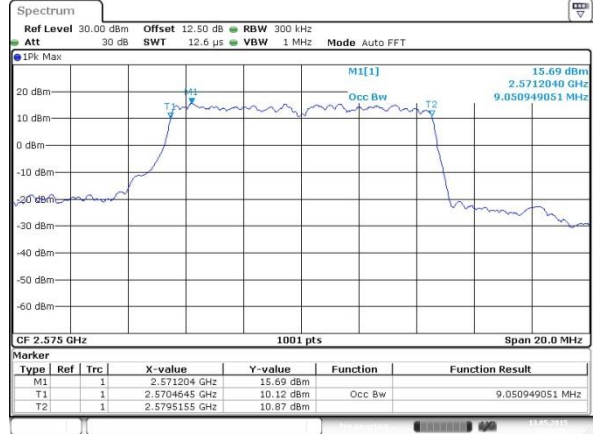
LTE Band 38

Lowest Channel / 10MHz / QPSK



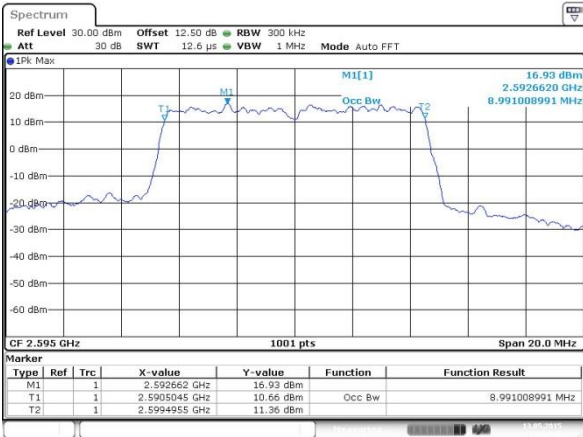
Date: 13 MAY 2015 00:22:37

Lowest Channel / 10MHz / 16QAM



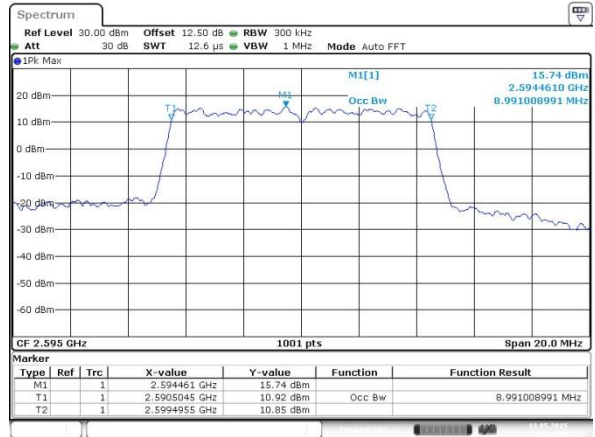
Date: 13 MAY 2015 00:22:51

Middle Channel / 10MHz / QPSK



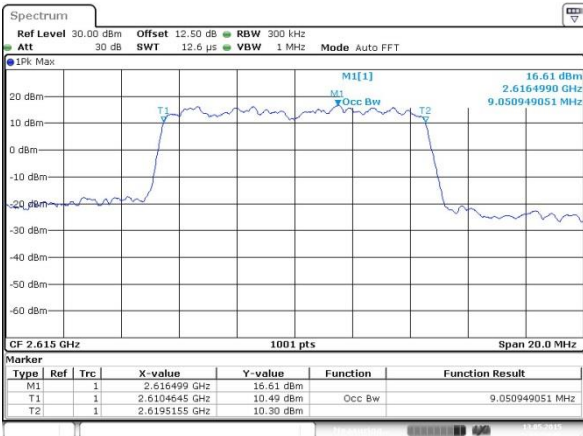
Date: 13 MAY 2015 00:23:36

Middle Channel / 10MHz / 16QAM



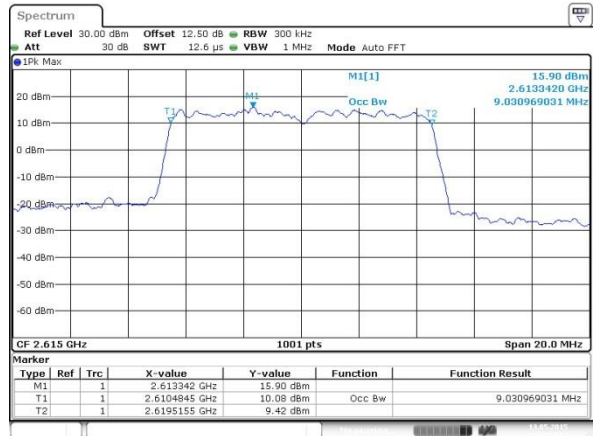
Date: 13 MAY 2015 00:23:50

Highest Channel / 10MHz / QPSK



Date: 13 MAY 2015 00:24:36

Highest Channel / 10MHz / 16QAM

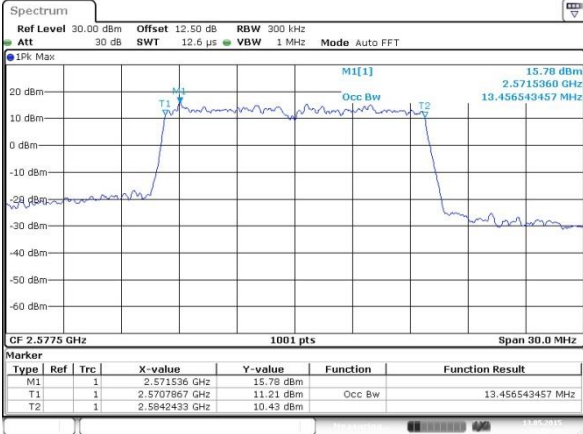


Date: 13 MAY 2015 00:24:51



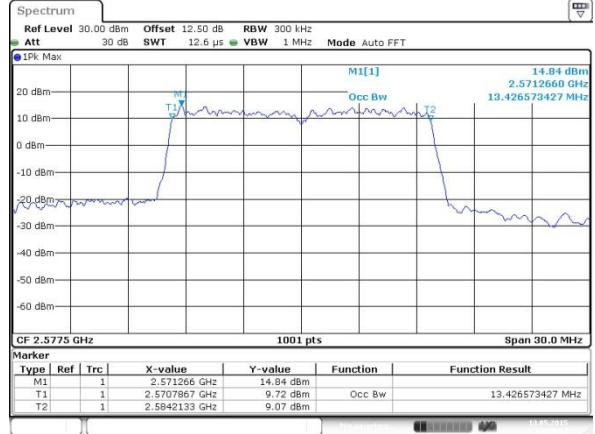
LTE Band 38

Lowest Channel / 15MHz / QPSK



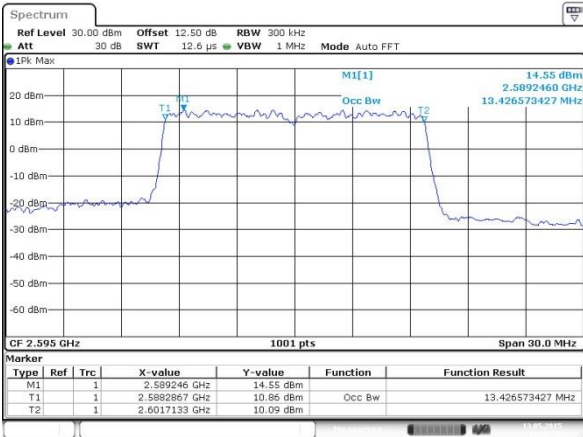
Date: 13 MAY 2015 00:25:39

Lowest Channel / 15MHz / 16QAM



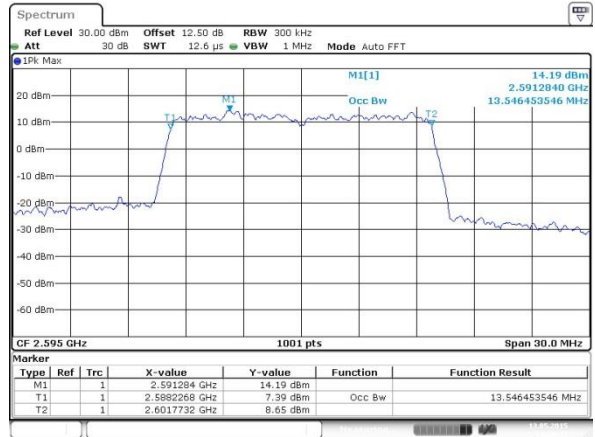
Date: 13 MAY 2015 00:25:54

Middle Channel / 15MHz / QPSK



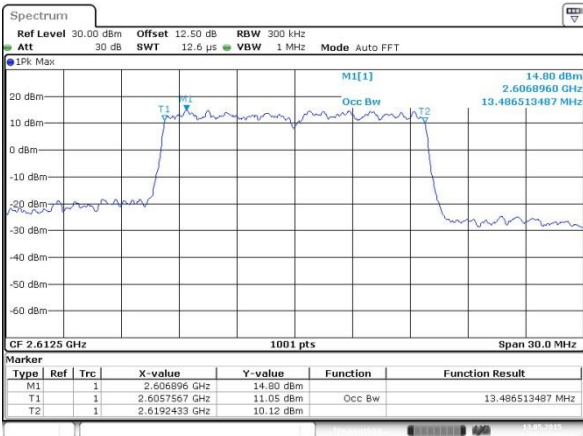
Date: 13 MAY 2015 00:28:43

Middle Channel / 15MHz / 16QAM



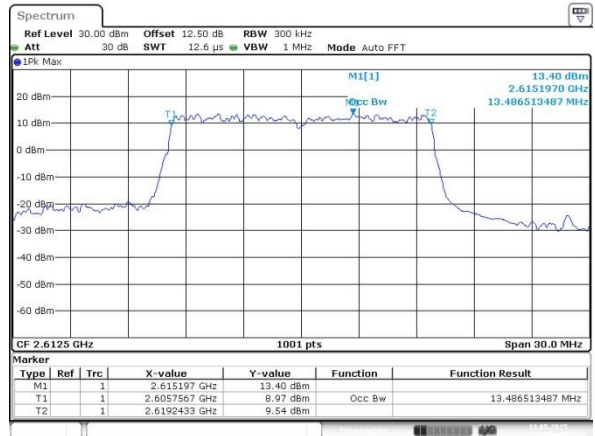
Date: 13 MAY 2015 00:28:59

Highest Channel / 15MHz / QPSK



Date: 13 MAY 2015 00:27:49

Highest Channel / 15MHz / 16QAM



Date: 13 MAY 2015 00:28:05