



| LTE Band 12 Maximum Average Power [dBm] | | | | | | |
|---|---------|-----------|--------|--------|--------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest |
| 5 | 1 | 0 | QPSK | 23.06 | 23.17 | 23.42 |
| 5 | 1 | 12 | | 22.99 | 23.14 | 23.26 |
| 5 | 1 | 24 | | 22.94 | 23.03 | 23.23 |
| 5 | 12 | 0 | | 22.09 | 22.09 | 22.22 |
| 5 | 12 | 6 | | 22.05 | 22.17 | 22.06 |
| 5 | 12 | 11 | | 22.16 | 22.15 | 22.17 |
| 5 | 25 | 0 | | 22.15 | 22.13 | 22.04 |
| 5 | 1 | 0 | 16-QAM | 22.35 | 22.27 | 22.47 |
| 5 | 1 | 12 | | 22.26 | 22.35 | 22.26 |
| 5 | 1 | 24 | | 22.54 | 22.18 | 22.45 |
| 5 | 12 | 0 | | 20.97 | 21.05 | 21.33 |
| 5 | 12 | 6 | | 21.03 | 21.13 | 20.99 |
| 5 | 12 | 11 | | 21.16 | 20.95 | 21.26 |
| 5 | 25 | 0 | | 21.09 | 20.89 | 20.97 |
| 10 | 1 | 0 | QPSK | 23.18 | 23.27 | 23.44 |
| 10 | 1 | 24 | | 23.13 | 23.17 | 23.35 |
| 10 | 1 | 49 | | 23.10 | 23.16 | 23.25 |
| 10 | 25 | 0 | | 22.18 | 22.22 | 22.37 |
| 10 | 25 | 12 | | 22.23 | 22.19 | 22.21 |
| 10 | 25 | 24 | | 22.20 | 22.19 | 22.21 |
| 10 | 50 | 0 | | 22.24 | 22.20 | 22.23 |
| 10 | 1 | 0 | 16-QAM | 22.35 | 22.29 | 22.58 |
| 10 | 1 | 24 | | 22.32 | 22.40 | 22.38 |
| 10 | 1 | 49 | | 22.54 | 22.19 | 22.45 |
| 10 | 25 | 0 | | 21.11 | 21.07 | 21.33 |
| 10 | 25 | 12 | | 21.17 | 21.17 | 21.19 |
| 10 | 25 | 24 | | 21.30 | 21.14 | 21.31 |
| 10 | 50 | 0 | | 21.20 | 21.07 | 21.09 |



| LTE Band 17 Maximum Average Power [dBm] | | | | | | |
|---|---------|-----------|--------|--------|--------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest |
| 5 | 1 | 0 | QPSK | 23.27 | 23.26 | 23.35 |
| 5 | 1 | 12 | | 23.06 | 23.03 | 23.07 |
| 5 | 1 | 24 | | 23.15 | 23.26 | 23.34 |
| 5 | 12 | 0 | | 22.30 | 22.18 | 22.24 |
| 5 | 12 | 6 | | 22.18 | 22.07 | 22.13 |
| 5 | 12 | 11 | | 22.15 | 22.02 | 22.11 |
| 5 | 25 | 0 | | 22.27 | 22.16 | 22.12 |
| 5 | 1 | 0 | 16-QAM | 22.40 | 22.35 | 22.45 |
| 5 | 1 | 12 | | 22.41 | 22.37 | 22.21 |
| 5 | 1 | 24 | | 22.56 | 22.37 | 22.38 |
| 5 | 12 | 0 | | 21.42 | 21.49 | 21.54 |
| 5 | 12 | 6 | | 21.23 | 21.19 | 21.10 |
| 5 | 12 | 11 | | 21.24 | 21.13 | 21.09 |
| 5 | 25 | 0 | | 20.99 | 21.11 | 21.03 |
| 10 | 1 | 0 | QPSK | 23.35 | 23.37 | 23.42 |
| 10 | 1 | 24 | | 23.17 | 23.24 | 23.32 |
| 10 | 1 | 49 | | 23.34 | 23.36 | 23.41 |
| 10 | 25 | 0 | | 22.33 | 22.22 | 22.26 |
| 10 | 25 | 12 | | 22.18 | 22.26 | 22.20 |
| 10 | 25 | 24 | | 22.20 | 22.21 | 22.20 |
| 10 | 50 | 0 | | 22.27 | 22.18 | 22.25 |
| 10 | 1 | 0 | 16-QAM | 22.52 | 22.56 | 22.58 |
| 10 | 1 | 24 | | 22.41 | 22.39 | 22.45 |
| 10 | 1 | 49 | | 22.56 | 22.50 | 22.51 |
| 10 | 25 | 0 | | 21.55 | 21.26 | 21.44 |
| 10 | 25 | 12 | | 21.23 | 21.32 | 21.27 |
| 10 | 25 | 24 | | 21.25 | 21.27 | 21.14 |
| 10 | 50 | 0 | | 21.15 | 21.21 | 21.23 |



LTE Band 2

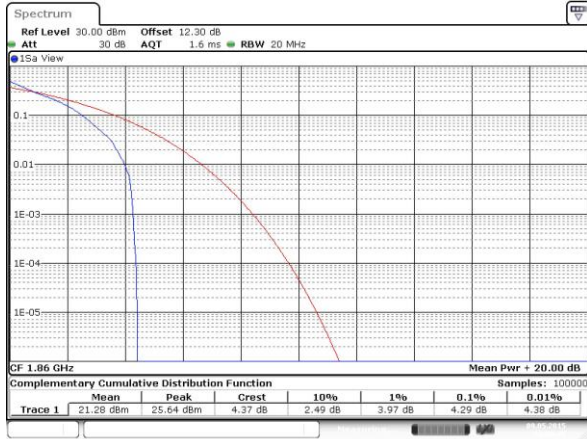
Peak-to-Average Ratio

| Mode | LTE Band 2 / 20MHz | | | | |
|------------|--------------------|---------|-------|---------|-------------|
| Mod. | QPSK | | 16QAM | | Limit: 13dB |
| RB Size | 1RB | Full RB | 1RB | Full RB | Result |
| Lowest CH | 4.29 | 5.13 | 5.1 | 6.09 | PASS |
| Middle CH | 3.97 | 4.93 | 4.67 | 5.86 | |
| Highest CH | 4.49 | 4.84 | 5.19 | 6.03 | |



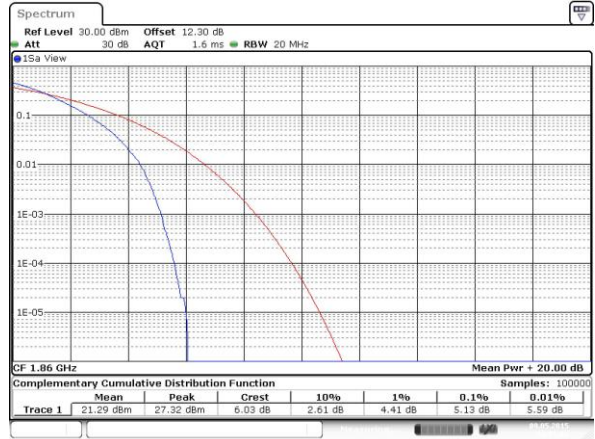
LTE Band 2 / 20MHz / QPSK

Lowest Channel / 1RB



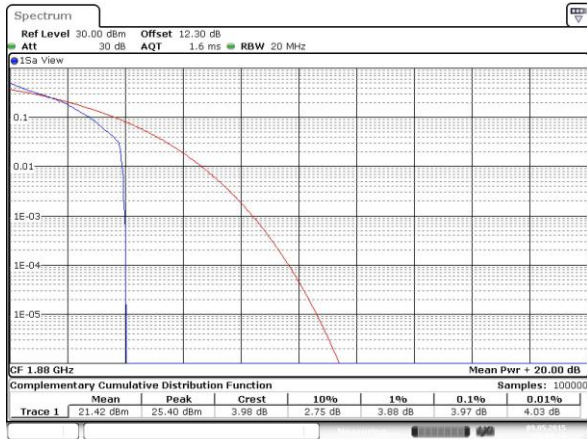
Date: 9 MAY 2015 08:00:49

Lowest Channel / Full RB



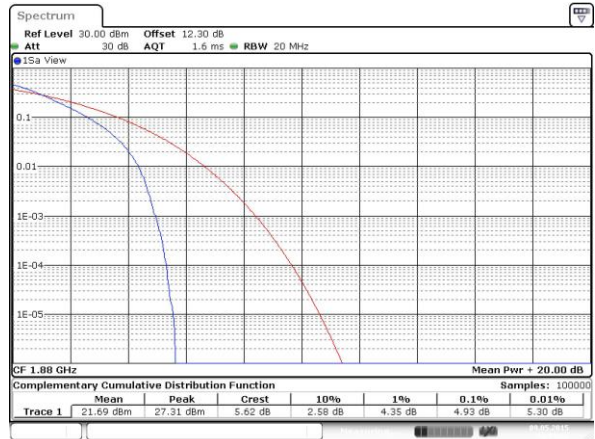
Date: 9 MAY 2015 08:01:03

Middle Channel / 1RB



Date: 9 MAY 2015 08:01:15

Middle Channel / Full RB



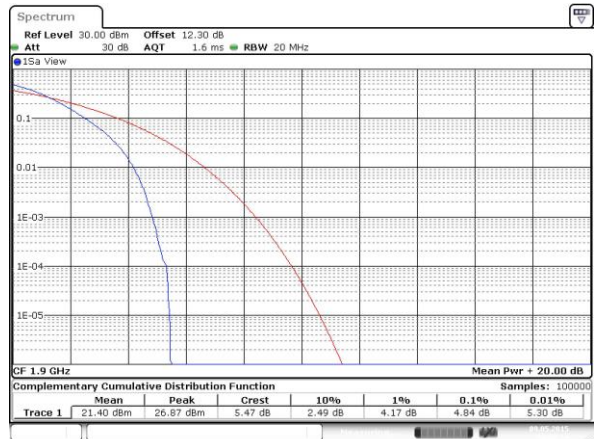
Date: 9 MAY 2015 08:01:52

Highest Channel / 1RB



Date: 9 MAY 2015 08:02:04

Highest Channel / Full RB

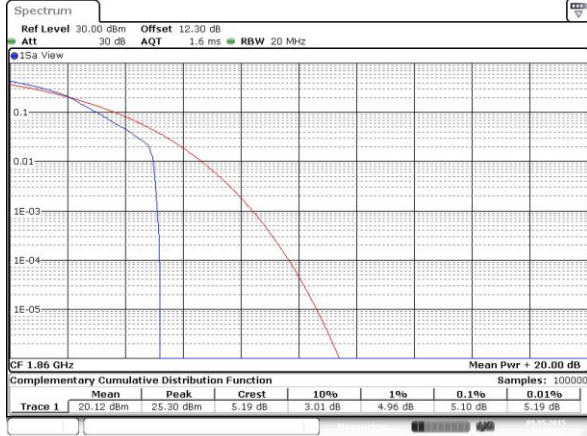


Date: 9 MAY 2015 08:02:16



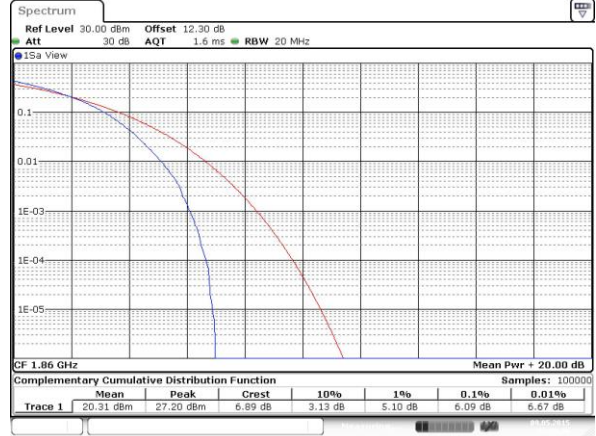
LTE Band 2 / 20MHz / 16QAM

Lowest Channel / 1RB



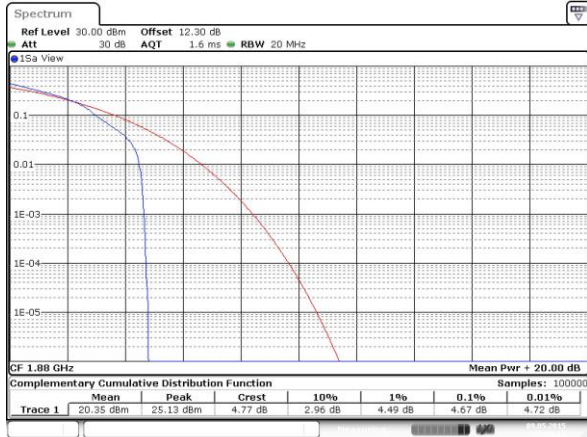
Date: 9 MAY 2015 07:58:54

Lowest Channel / Full RB



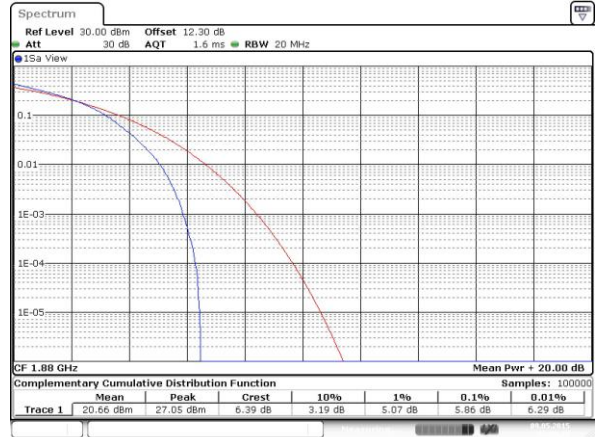
Date: 9 MAY 2015 07:59:06

Middle Channel / 1RB



Date: 9 MAY 2015 07:59:18

Middle Channel / Full RB



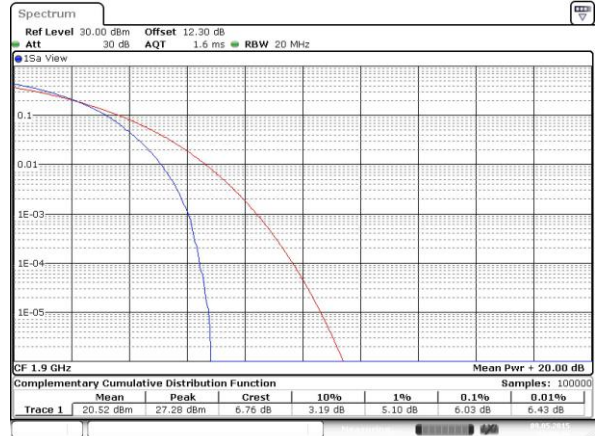
Date: 9 MAY 2015 07:59:33

Highest Channel / 1RB



Date: 9 MAY 2015 08:00:22

Highest Channel / Full RB



Date: 9 MAY 2015 08:00:36



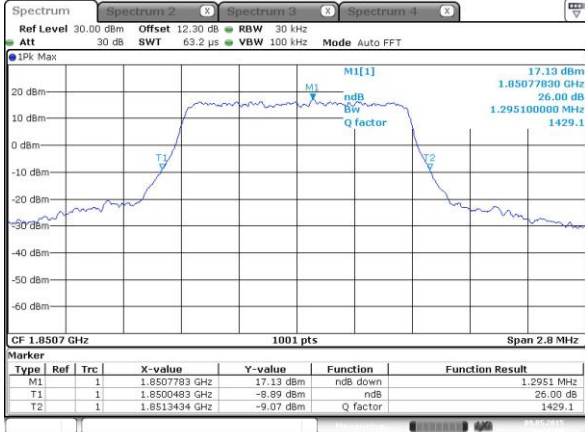
26dB Bandwidth

| Mode | LTE Band 2 : 26dB BW(MHz) | | | | | | | | | | | |
|------------|---------------------------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| BW | | | | | | | | | | | | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | 1.30 | 1.29 | 3.03 | 3.05 | 5.05 | 5.06 | 10.09 | 9.91 | 14.75 | 14.78 | 20.18 | 20.26 |
| Middle CH | 1.30 | 1.28 | 3.04 | 3.05 | 5.07 | 5.04 | 10.11 | 9.97 | 14.81 | 14.60 | 20.42 | 20.42 |
| Highest CH | 1.29 | 1.29 | 3.05 | 3.05 | 5.05 | 5.07 | 9.97 | 10.05 | 14.60 | 14.63 | 20.30 | 20.26 |

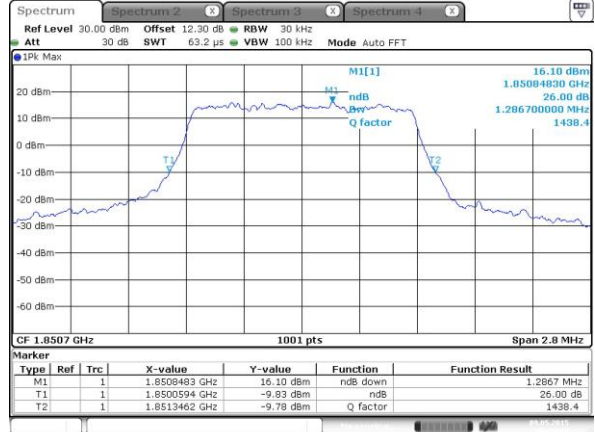


LTE Band 2

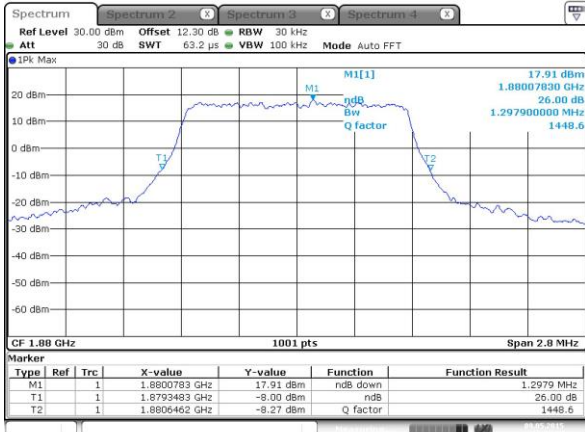
Lowest Channel / 1.4MHz / QPSK



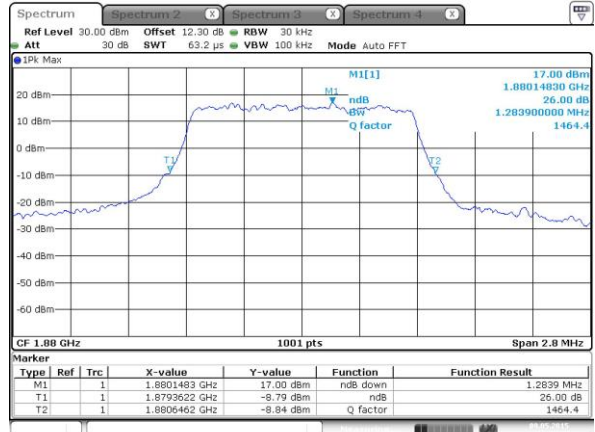
Lowest Channel / 1.4MHz / 16QAM



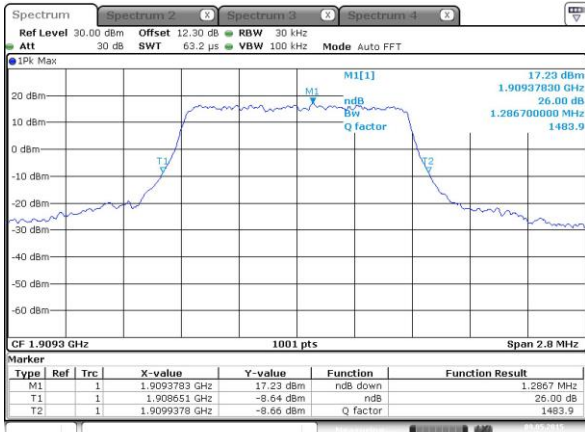
Middle Channel / 1.4MHz / QPSK



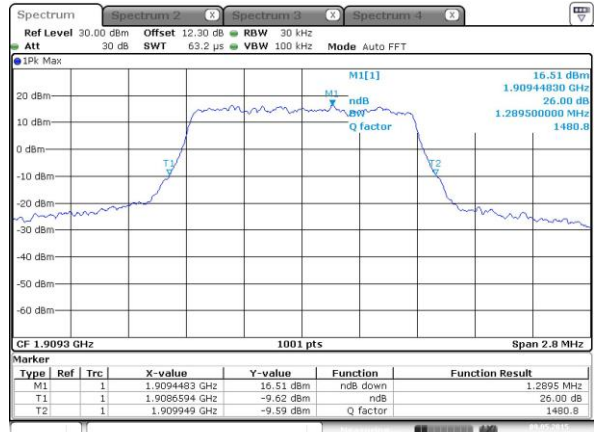
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



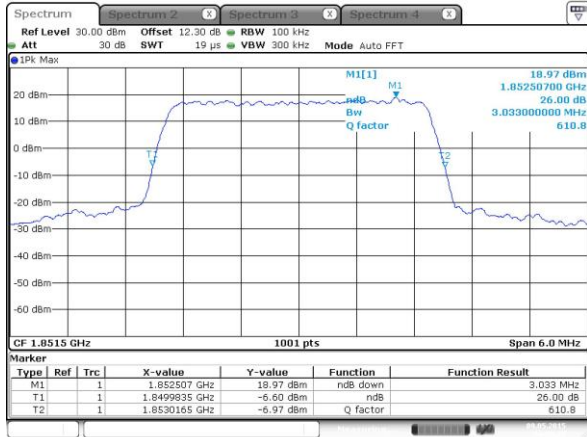
Highest Channel / 1.4MHz / 16QAM





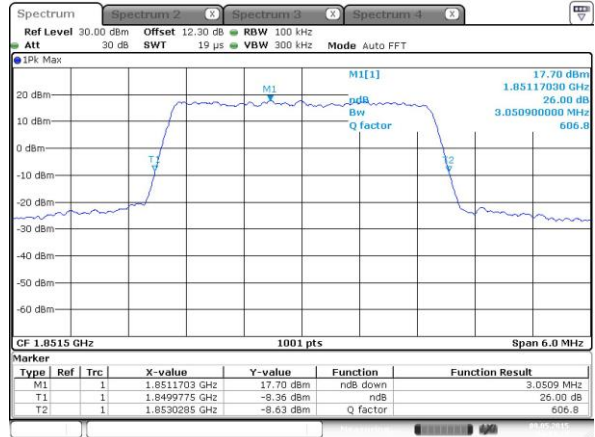
LTE Band 2

Lowest Channel / 3MHz / QPSK



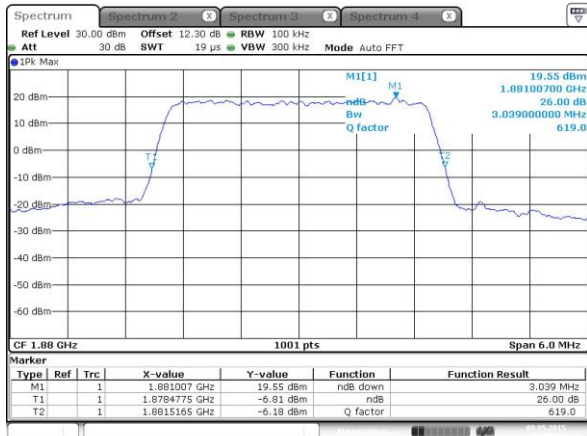
Date: 9 MAY 2015 00:50:59

Lowest Channel / 3MHz / 16QAM



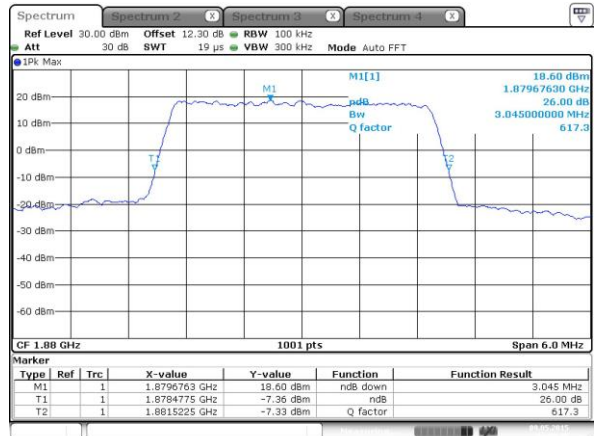
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Middle Channel / 3MHz / QPSK



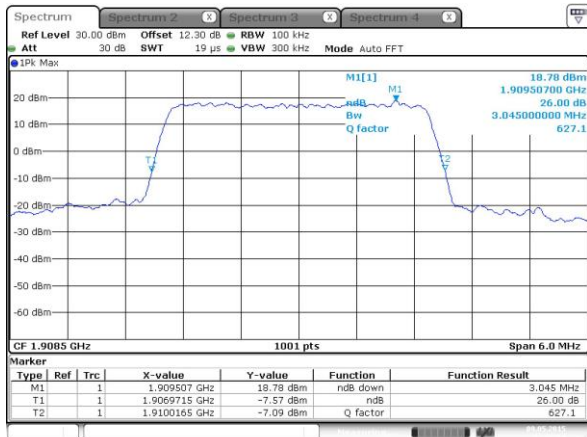
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Middle Channel / 3MHz / 16QAM



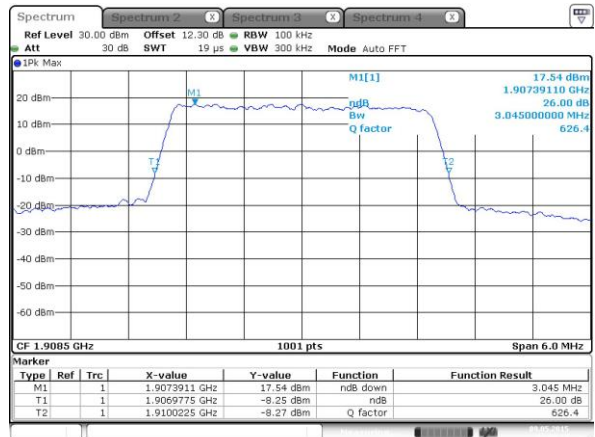
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Highest Channel / 3MHz / QPSK



Date: 9 MAY 2015 01:02:05

Highest Channel / 3MHz / 16QAM

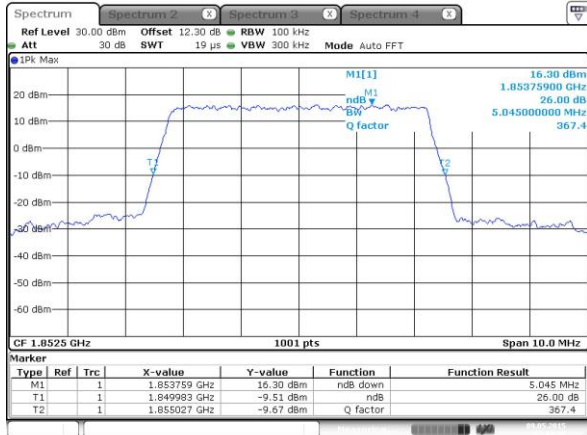


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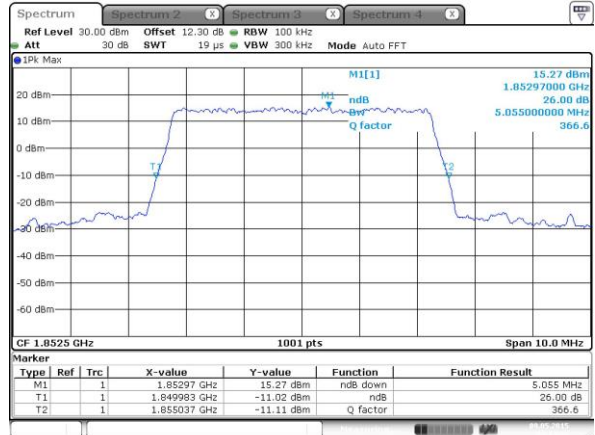
LTE Band 2

Lowest Channel / 5MHz / QPSK



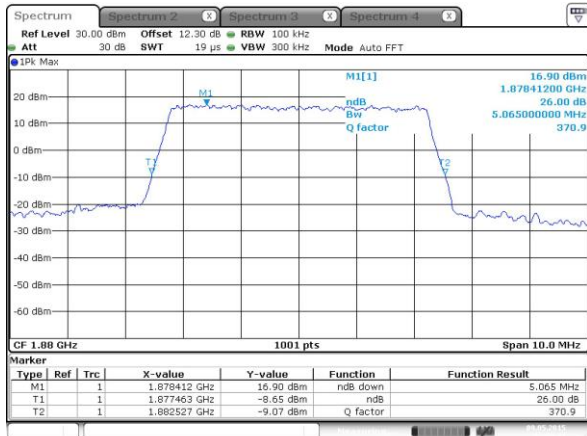
Date: 9 MAY 2015 01:12:49

Lowest Channel / 5MHz / 16QAM



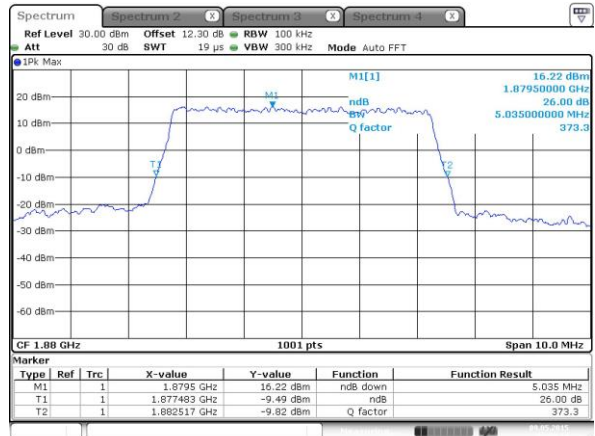
Date: 9 MAY 2015 01:13:02

Middle Channel / 5MHz / QPSK



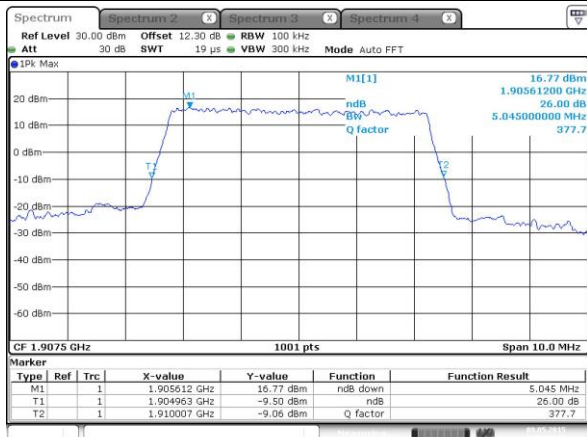
Date: 9 MAY 2015 01:20:41

Middle Channel / 5MHz / 16QAM



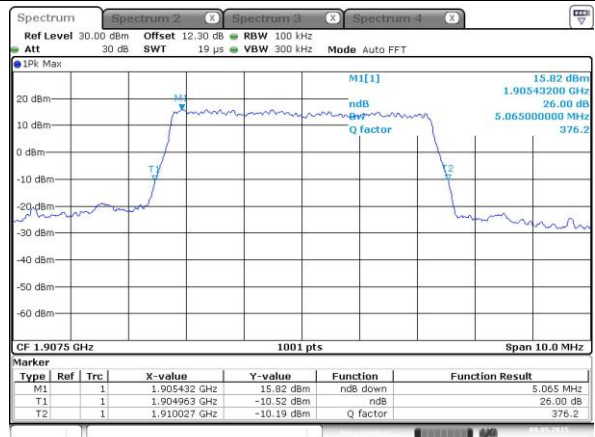
Date: 9 MAY 2015 01:20:54

Highest Channel / 5MHz / QPSK



Date: 9 MAY 2015 01:23:54

Highest Channel / 5MHz / 16QAM

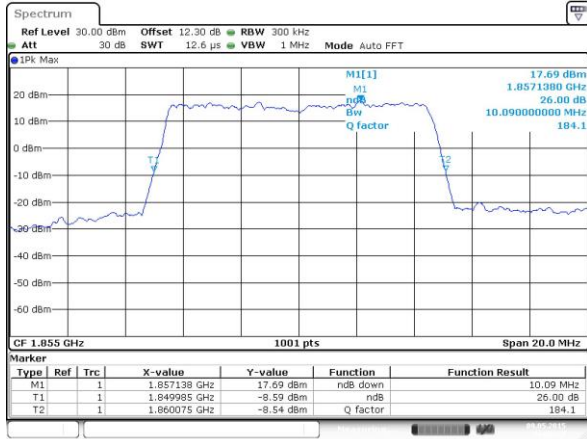


Date: 9 MAY 2015 01:24:07



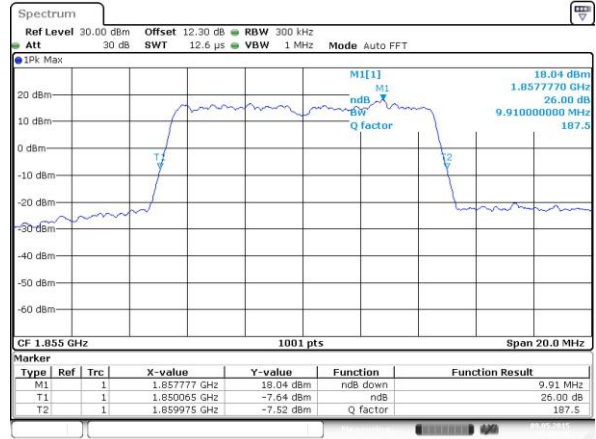
LTE Band 2

Lowest Channel / 10MHz / QPSK



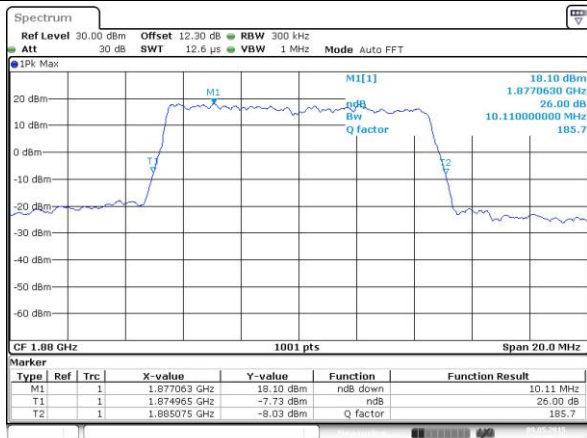
Date: 9 MAY 2015 06:57:27

Lowest Channel / 10MHz / 16QAM



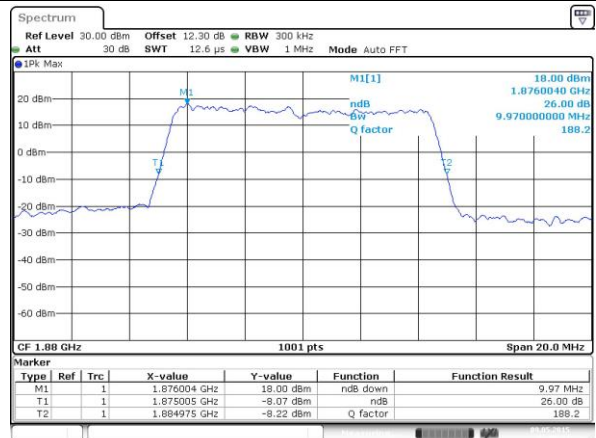
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Middle Channel / 10MHz / QPSK



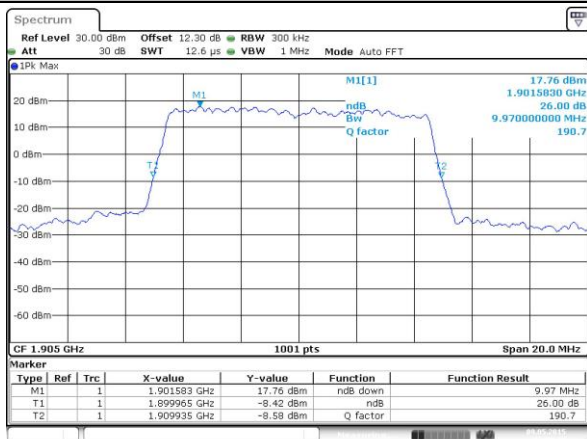
Date: 9 MAY 2015 07:05:19

Middle Channel / 10MHz / 16QAM



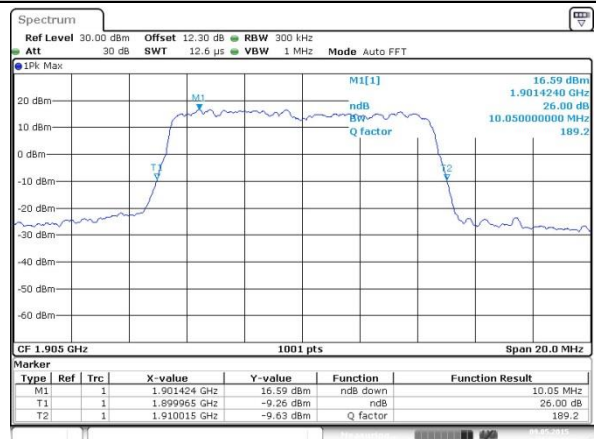
Date: 9 MAY 2015 07:05:32

Highest Channel / 10MHz / QPSK



Date: 9 MAY 2015 07:08:32

Highest Channel / 10MHz / 16QAM

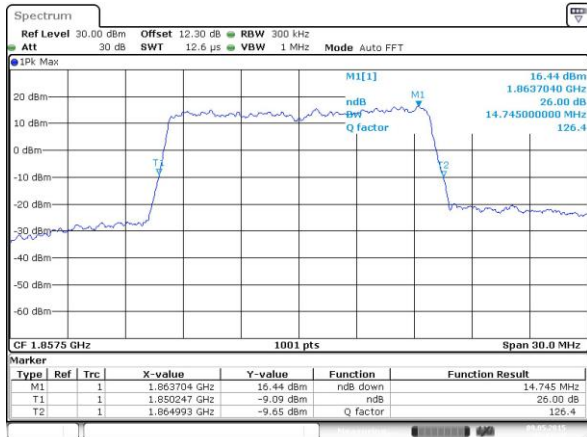


Date: 9 MAY 2015 07:08:44



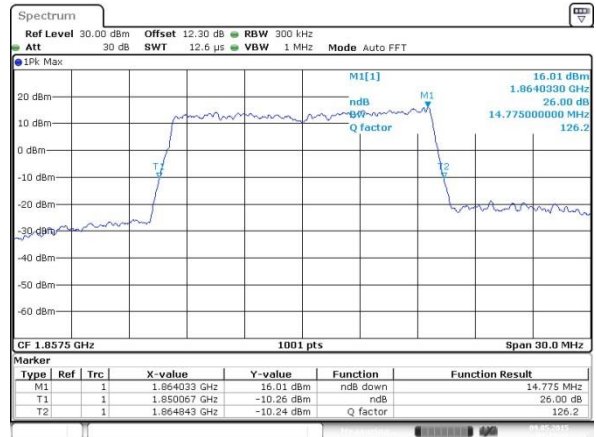
LTE Band 2

Lowest Channel / 15MHz / QPSK



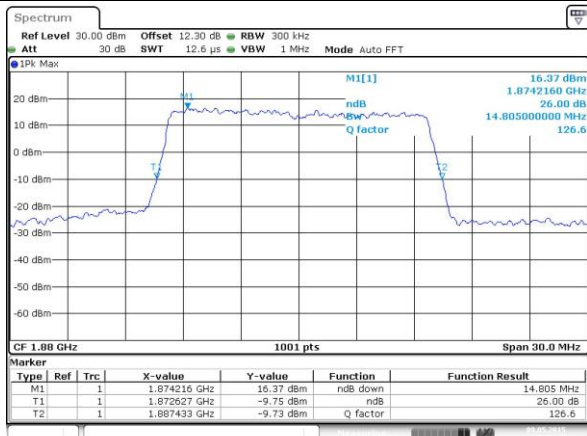
Date: 9 MAY 2015 07:17:29

Lowest Channel / 15MHz / 16QAM



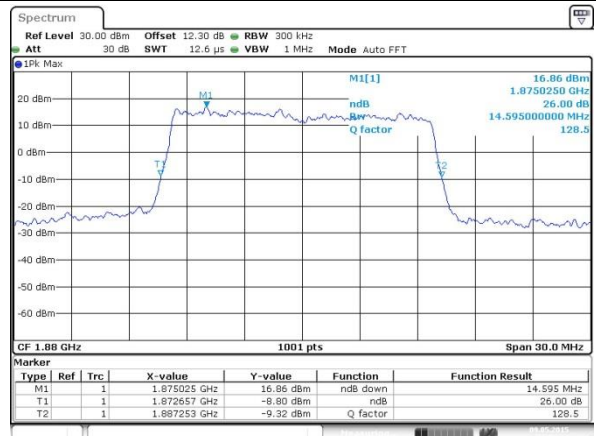
Date: 9 MAY 2015 07:17:42

Middle Channel / 15MHz / QPSK



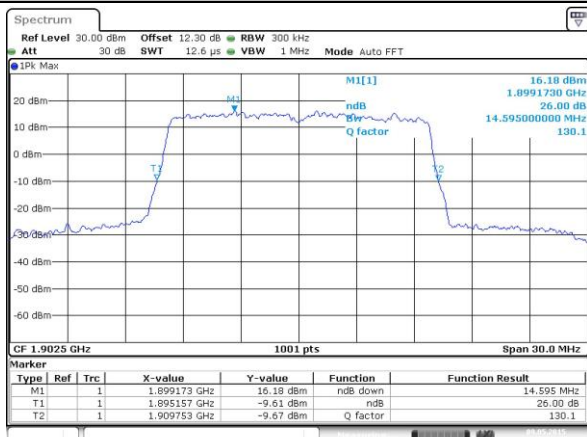
Date: 9 MAY 2015 07:25:21

Middle Channel / 15MHz / 16QAM



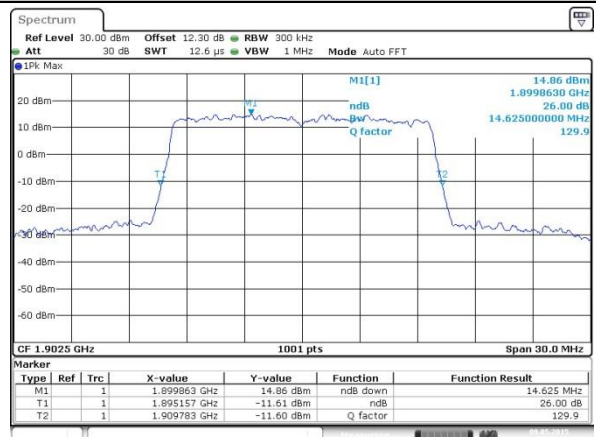
Date: 9 MAY 2015 07:25:34

Highest Channel / 15MHz / QPSK



Date: 9 MAY 2015 07:28:34

Highest Channel / 15MHz / 16QAM



Date: 9 MAY 2015 07:28:47



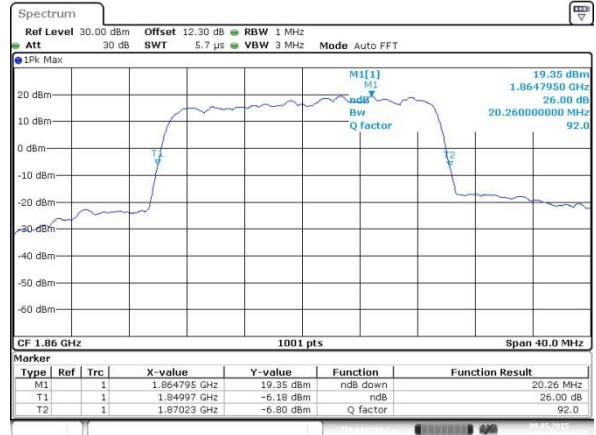
LTE Band 2

Lowest Channel / 20MHz / QPSK



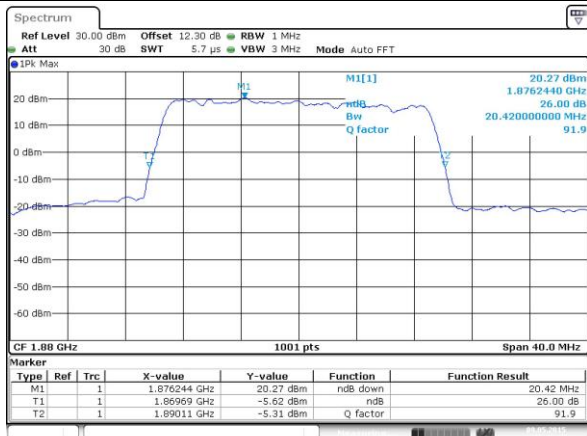
Date: 9 MAY 2015 07:38:28

Lowest Channel / 20MHz / 16QAM



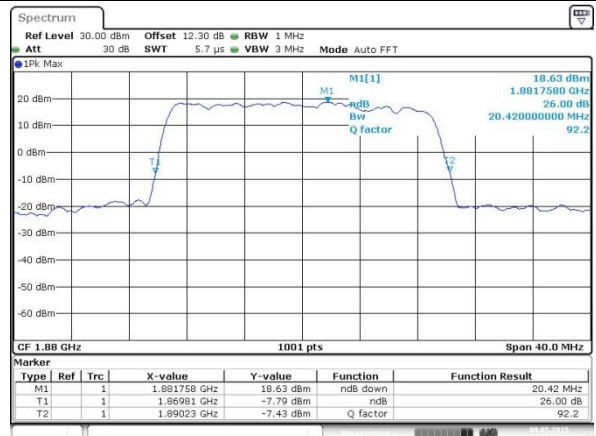
Date: 9 MAY 2015 07:38:41

Middle Channel / 20MHz / QPSK



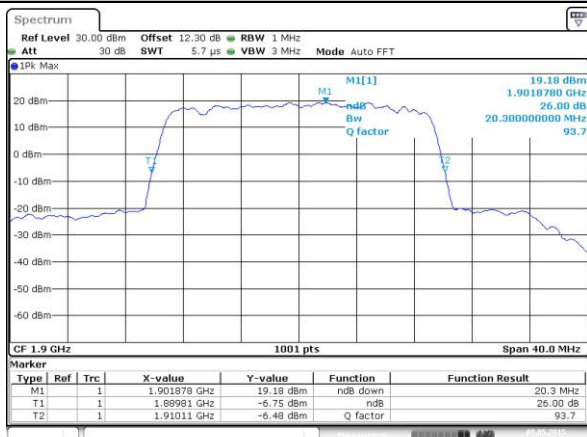
Date: 9 MAY 2015 07:46:20

Middle Channel / 20MHz / 16QAM



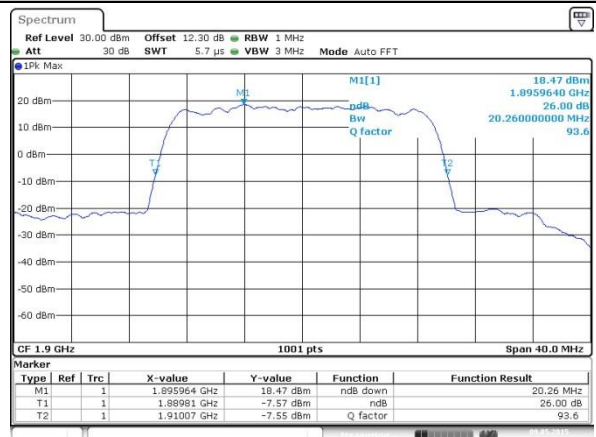
Date: 9 MAY 2015 07:46:33

Highest Channel / 20MHz / QPSK



Date: 9 MAY 2015 07:49:32

Highest Channel / 20MHz / 16QAM



Date: 9 MAY 2015 07:49:45



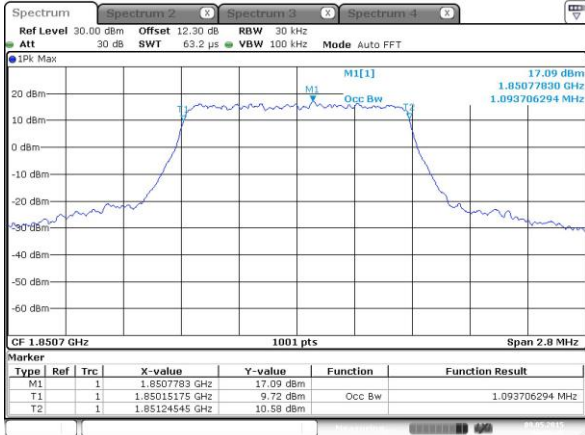
Occupied Bandwidth

| Mode | LTE Band 2 : 99%OBW(MHz) | | | | | | | | | | | |
|------------|--------------------------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| BW | | | | | | | | | | | | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | 1.09 | 1.10 | 2.72 | 2.72 | 4.51 | 4.50 | 9.11 | 9.07 | 13.52 | 13.49 | 18.38 | 18.42 |
| Middle CH | 1.10 | 1.10 | 2.72 | 2.73 | 4.90 | 4.51 | 9.05 | 9.05 | 13.49 | 13.49 | 18.38 | 18.38 |
| Highest CH | 1.10 | 1.10 | 2.72 | 2.73 | 4.51 | 4.50 | 9.01 | 9.01 | 13.46 | 13.43 | 18.14 | 18.30 |



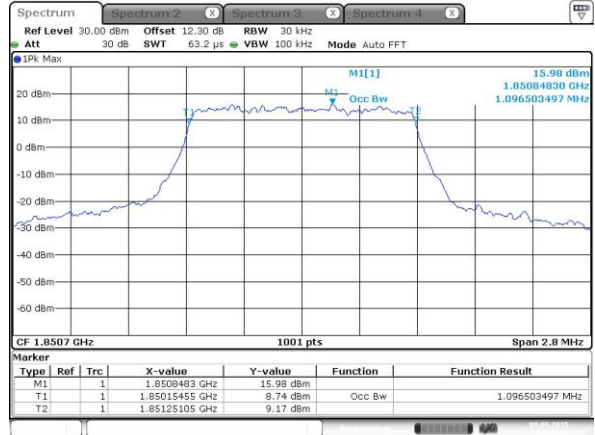
LTE Band 2

Lowest Channel / 1.4MHz / QPSK



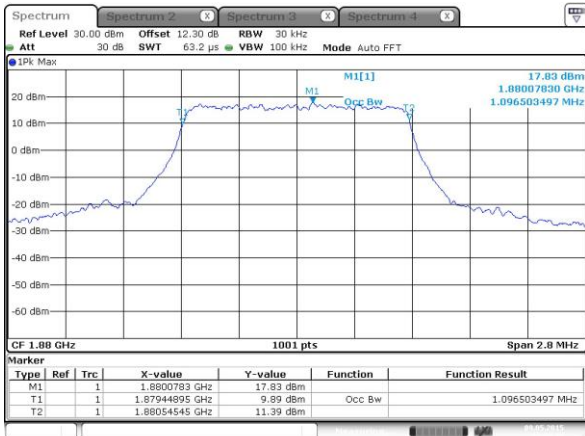
Date: 9 MAY 2015 00:25:45

Lowest Channel / 1.4MHz / 16QAM



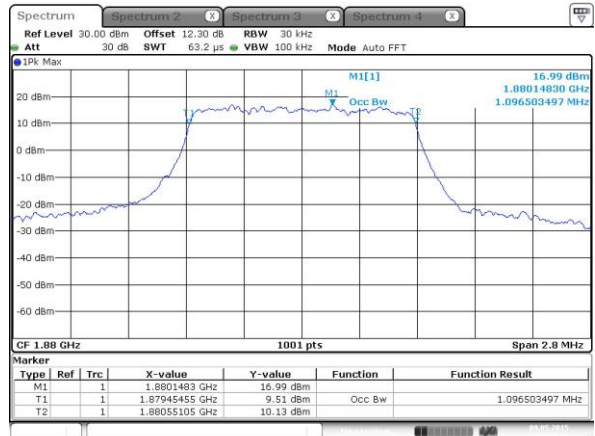
Date: 9 MAY 2015 00:25:56

Middle Channel / 1.4MHz / QPSK



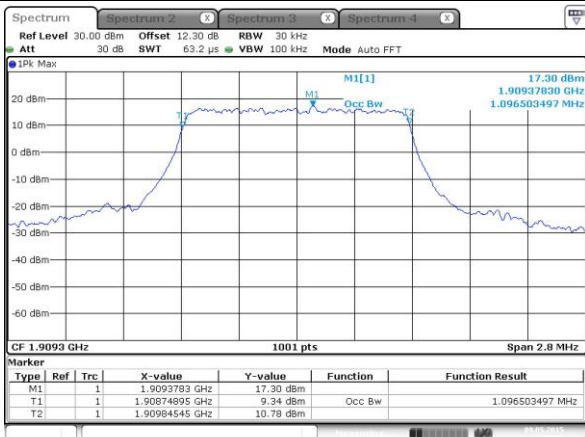
Date: 9 MAY 2015 00:34:33

Middle Channel / 1.4MHz / 16QAM



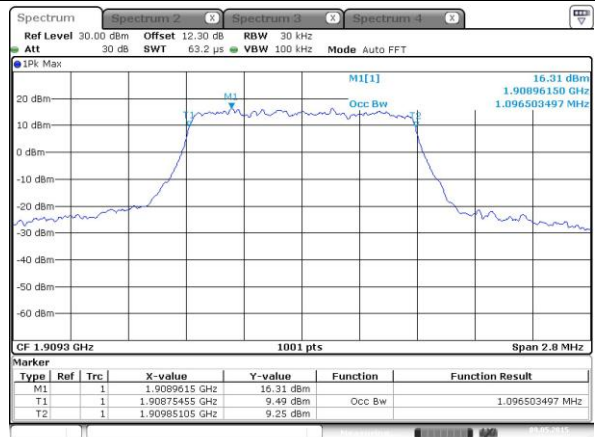
Date: 9 MAY 2015 00:34:44

Highest Channel / 1.4MHz / QPSK



Date: 9 MAY 2015 00:37:45

Highest Channel / 1.4MHz / 16QAM

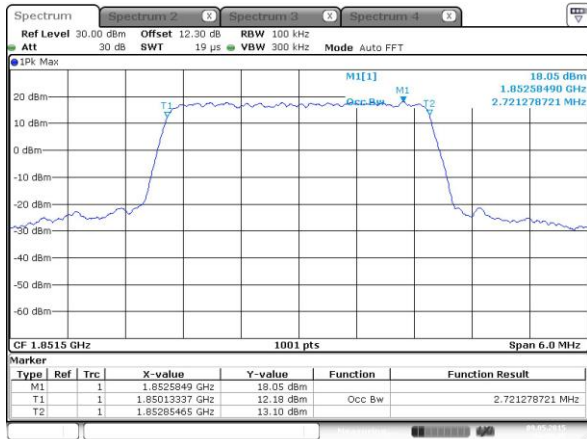


Date: 9 MAY 2015 00:37:56



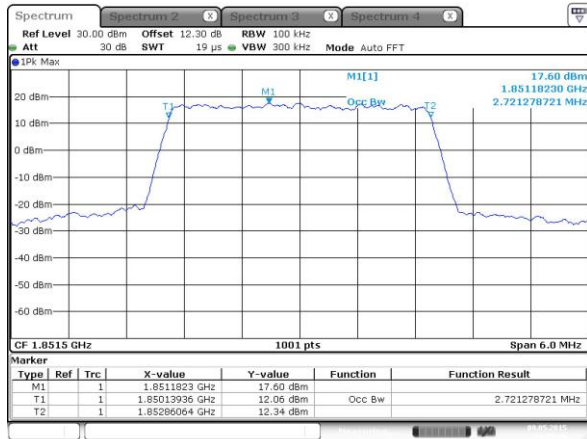
LTE Band 2

Lowest Channel / 3MHz / QPSK



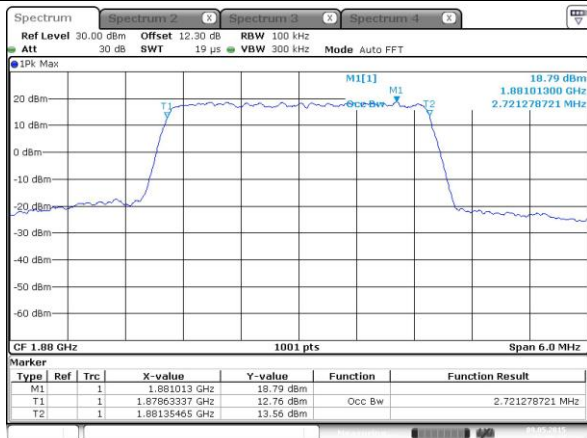
Date: 9 MAY 2015 00:50:35

Lowest Channel / 3MHz / 16QAM



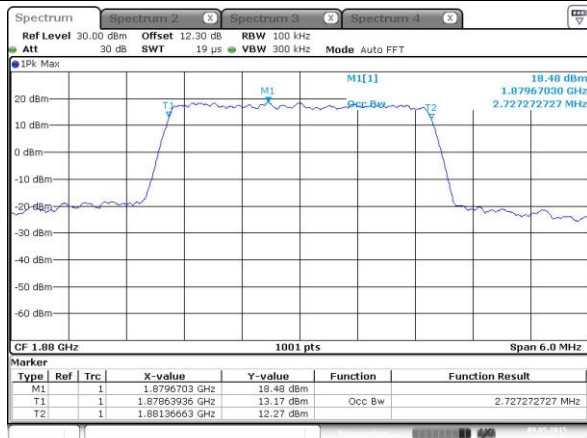
Date: 9 MAY 2015 00:50:46

Middle Channel / 3MHz / QPSK



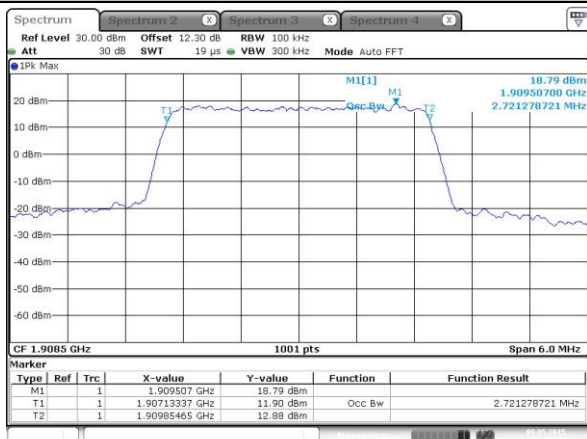
Date: 9 MAY 2015 00:58:28

Middle Channel / 3MHz / 16QAM



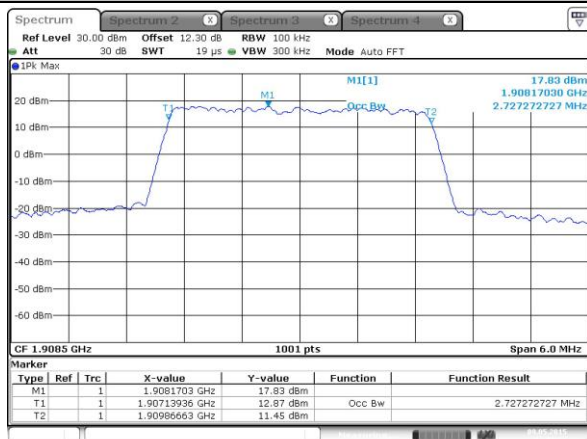
Date: 9 MAY 2015 00:58:39

Highest Channel / 3MHz / QPSK



Date: 9 MAY 2015 01:01:41

Highest Channel / 3MHz / 16QAM

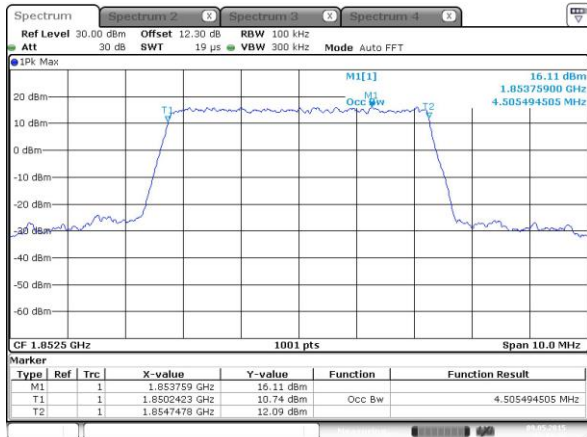


Date: 9 MAY 2015 01:01:52



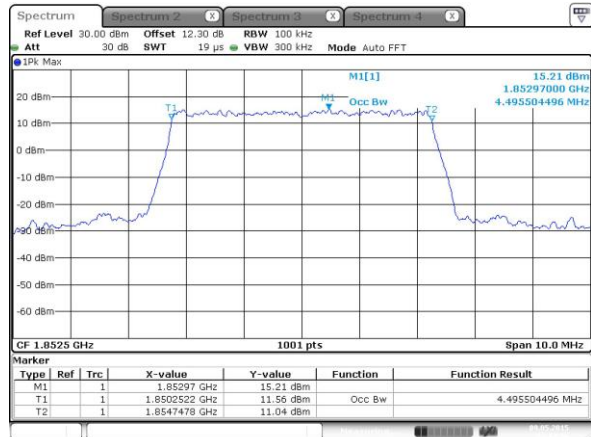
LTE Band 2

Lowest Channel / 5MHz / QPSK



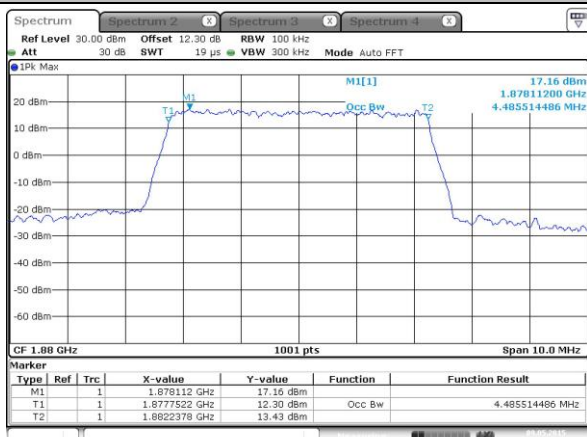
Date: 9 MAY 2015 01:12:26

Lowest Channel / 5MHz / 16QAM



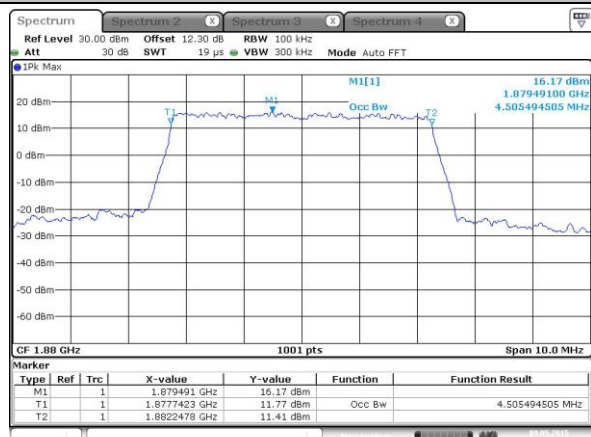
Date: 9 MAY 2015 01:12:36

Middle Channel / 5MHz / QPSK



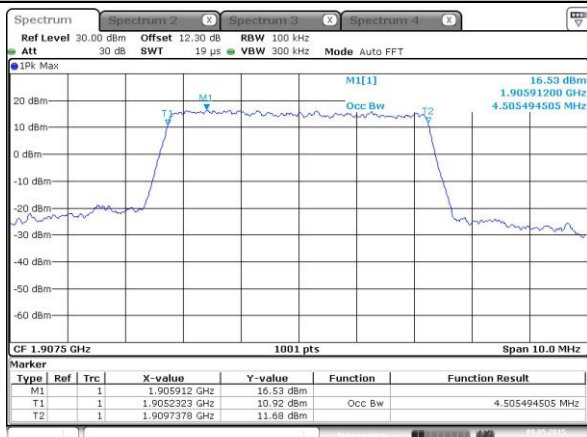
Date: 9 MAY 2015 01:20:18

Middle Channel / 5MHz / 16QAM



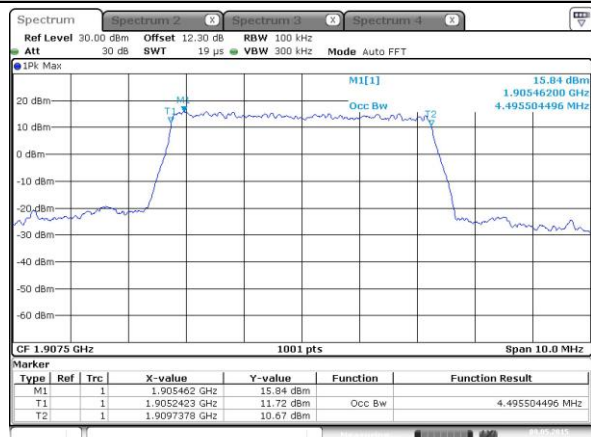
Date: 9 MAY 2015 01:20:28

Highest Channel / 5MHz / QPSK



Date: 9 MAY 2015 01:23:30

Highest Channel / 5MHz / 16QAM



Date: 9 MAY 2015 01:23:41