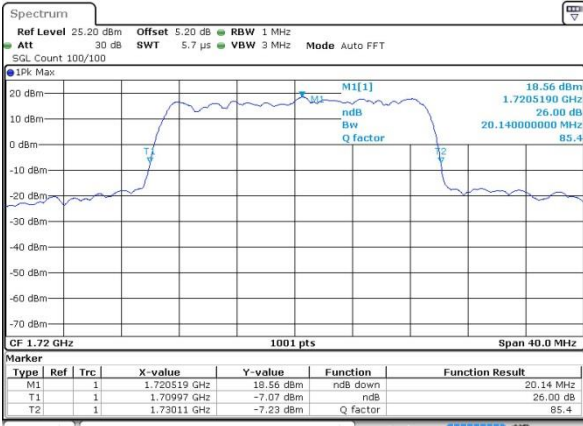




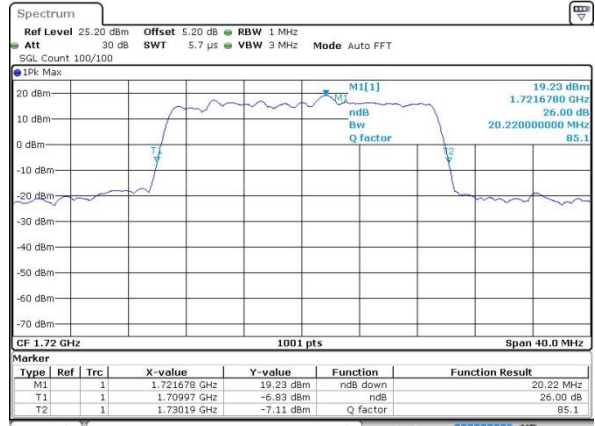
LTE Band 66

Lowest Channel / 20MHz / QPSK



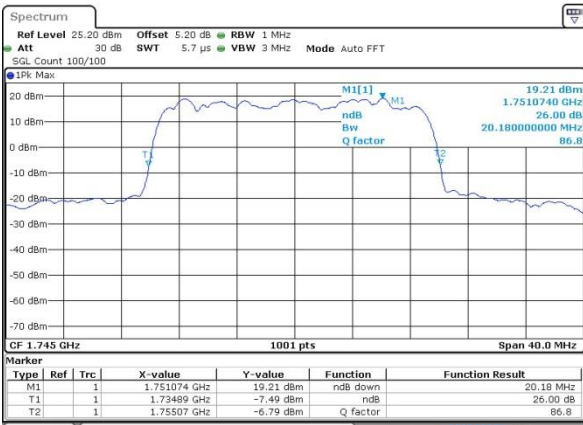
Date: 3 MAR 2019 11:06:04

Lowest Channel / 20MHz / 16QAM



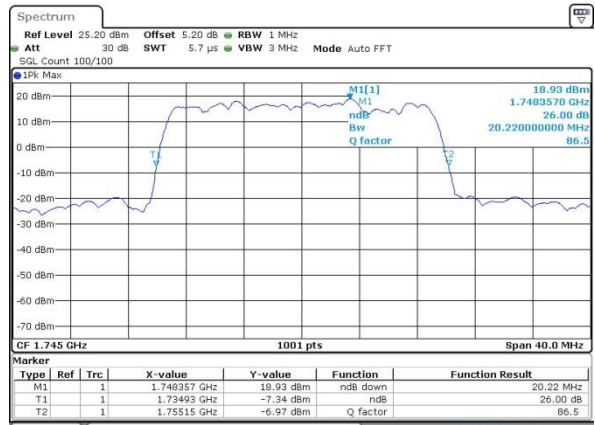
Date: 3 MAR 2019 11:06:41

Middle Channel / 20MHz / QPSK



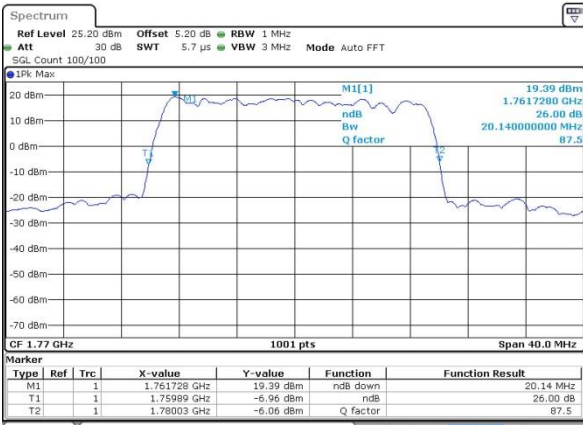
Date: 3 MAR 2019 11:06:39

Middle Channel / 20MHz / 16QAM



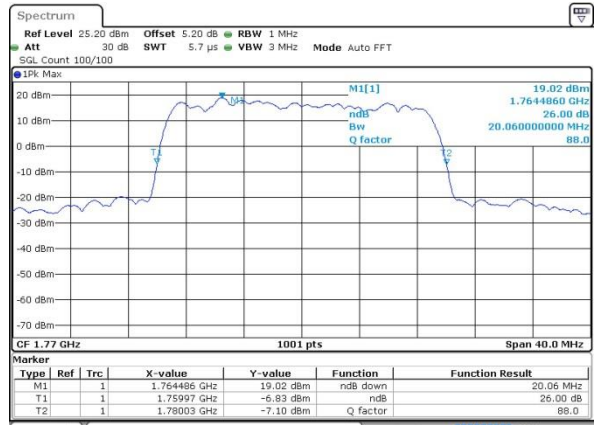
Date: 3 MAR 2019 11:08:34

Highest Channel / 20MHz / QPSK



Date: 3 MAR 2019 11:07:20

Highest Channel / 20MHz / 16QAM

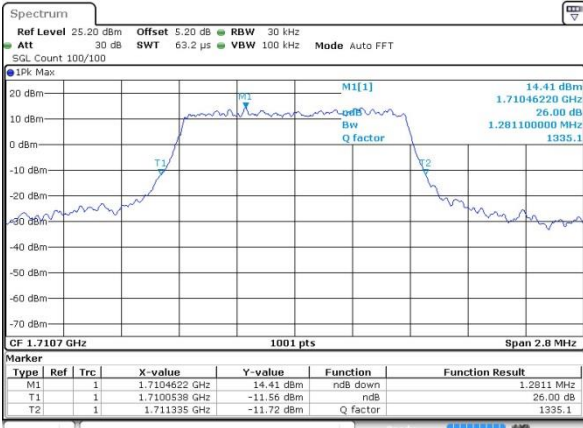


Date: 3 MAR 2019 11:10:12



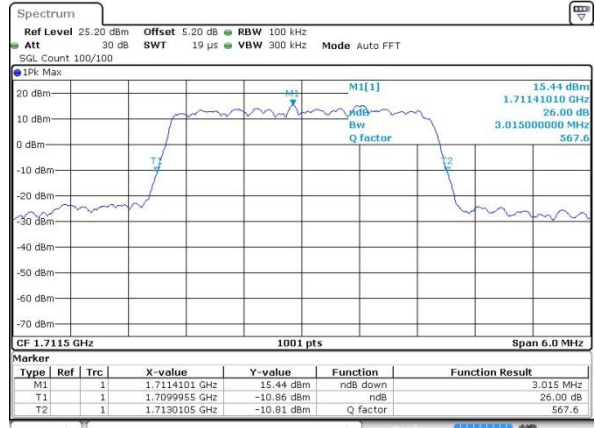
LTE Band 66

Lowest Channel / 1.4MHz / 64QAM



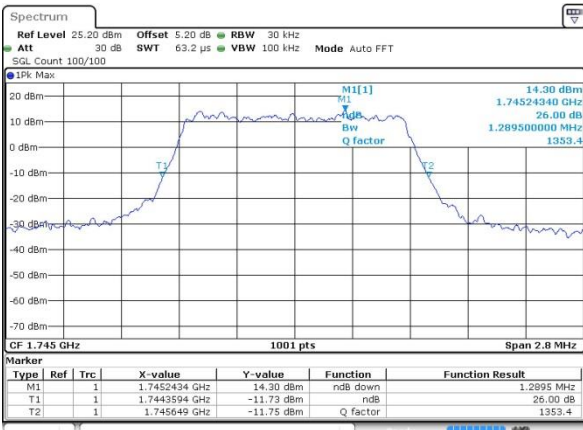
Date: 3 MAR 2019 09:59:40

Lowest Channel / 3MHz / 64QAM



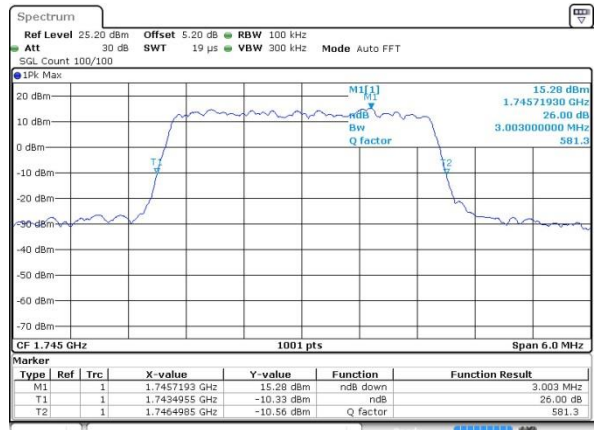
Date: 3 MAR 2019 10:13:26

Middle Channel / 1.4MHz / 64QAM



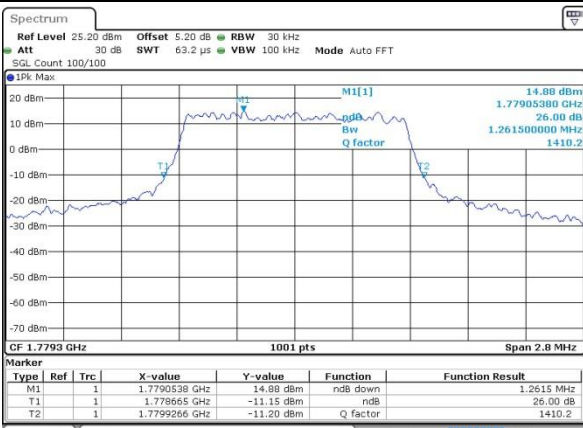
Date: 3 MAR 2019 15:32:44

Middle Channel / 3MHz / 64QAM



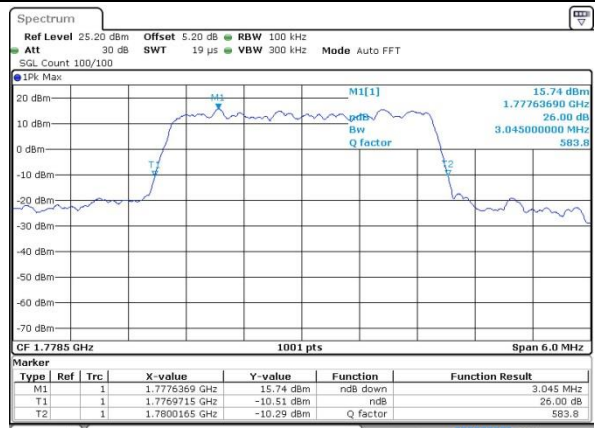
Date: 3 MAR 2019 10:13:56

Highest Channel / 1.4MHz / 64QAM



Date: 3 MAR 2019 10:01:09

Highest Channel / 3MHz / 64QAM

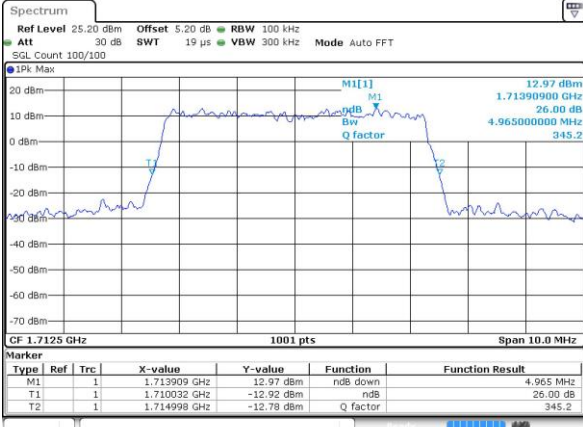


Date: 3 MAR 2019 10:15:00



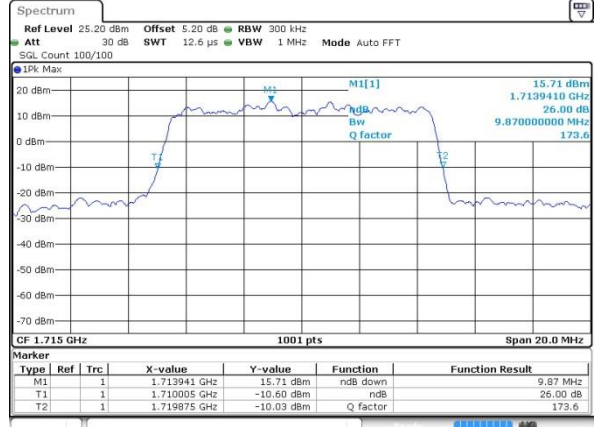
LTE Band 66

Lowest Channel / 5MHz / 64QAM



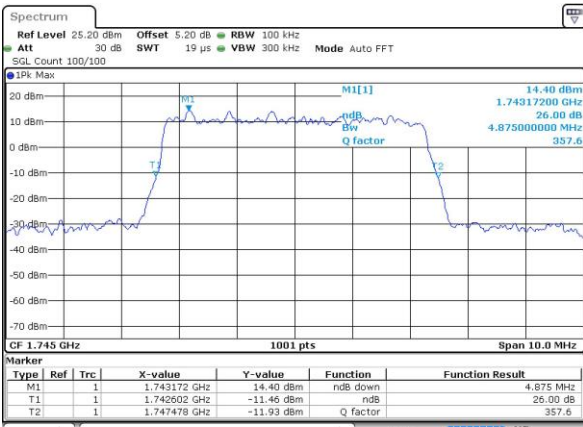
Date: 3 MAR 2019 10:36:46

Lowest Channel / 10MHz / 64QAM



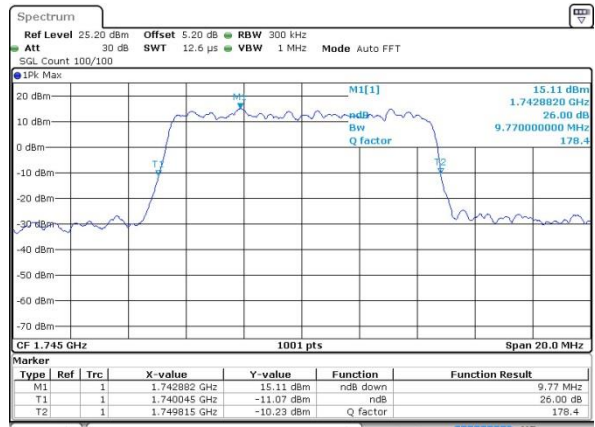
Date: 3 MAR 2019 10:47:55

Middle Channel / 5MHz / 64QAM



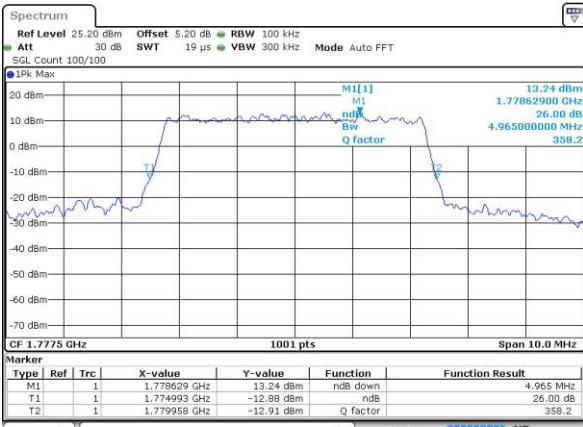
Date: 3 MAR 2019 10:37:45

Middle Channel / 10MHz / 64QAM



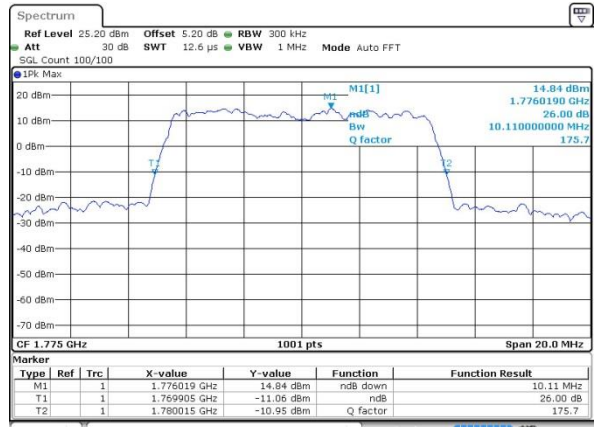
Date: 3 MAR 2019 10:48:26

Highest Channel / 5MHz / 64QAM



Date: 3 MAR 2019 10:38:20

Highest Channel / 10MHz / 64QAM

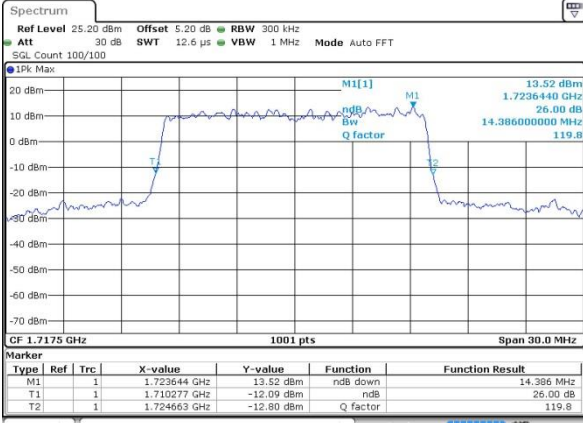


Date: 3 MAR 2019 10:49:13



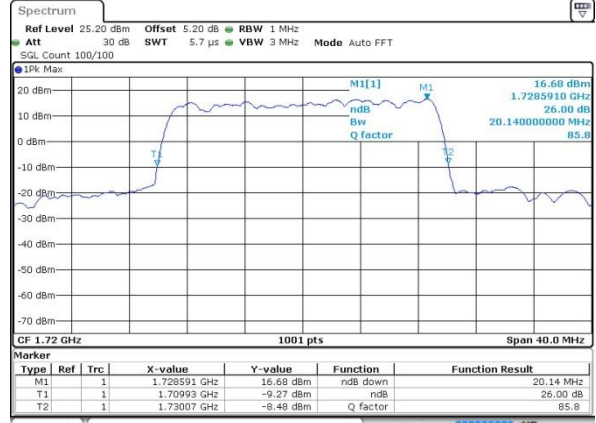
LTE Band 66

Lowest Channel / 15MHz / 64QAM



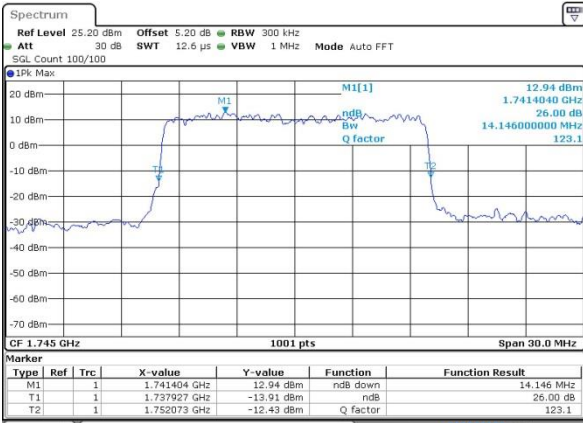
Date: 3 MAR 2019 11:02:21

Lowest Channel / 20MHz / 64QAM



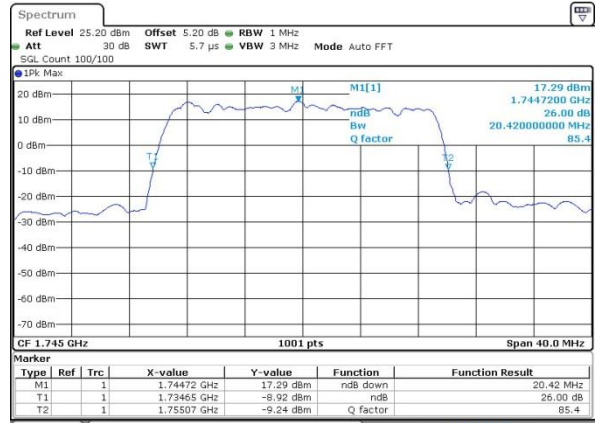
Date: 3 MAR 2019 11:11:28

Middle Channel / 15MHz / 64QAM



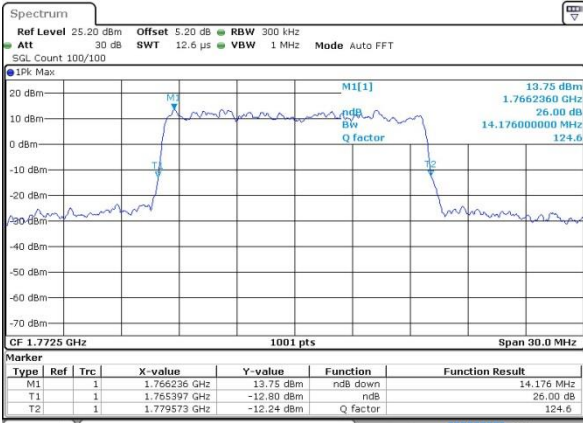
Date: 3 MAR 2019 11:02:52

Middle Channel / 20MHz / 64QAM



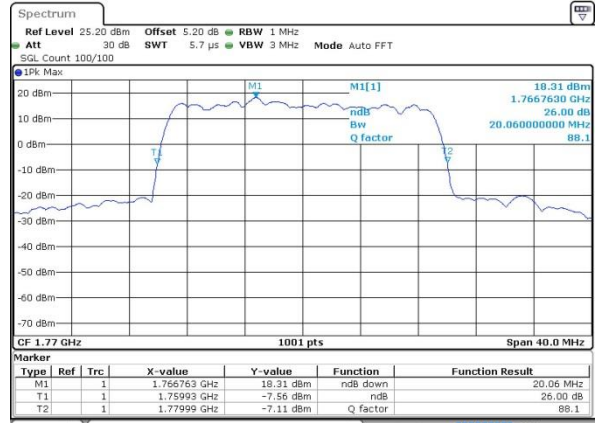
Date: 3 MAR 2019 11:11:59

Highest Channel / 15MHz / 64QAM



Date: 3 MAR 2019 11:03:41

Highest Channel / 20MHz / 64QAM

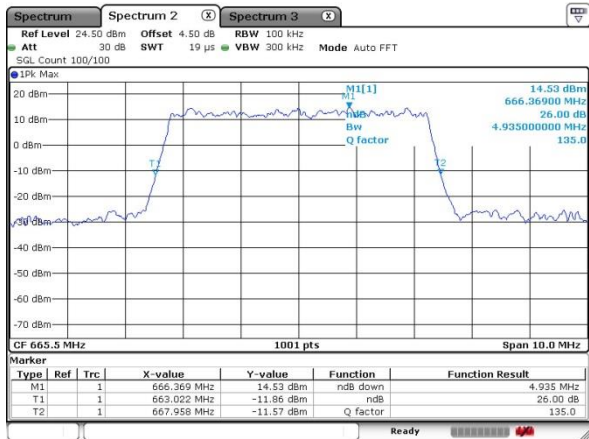


Date: 3 MAR 2019 11:13:03



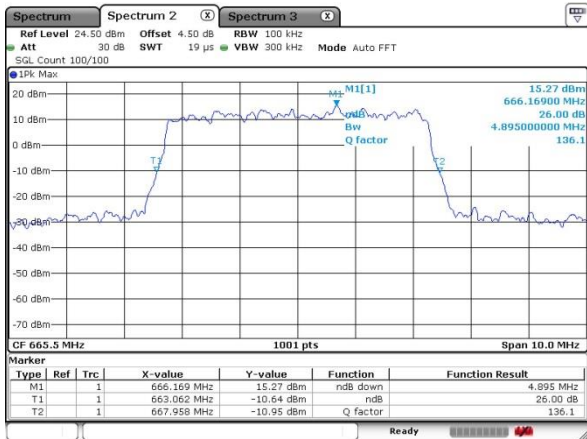
LTE Band 71

Lowest Channel / 5MHz / QPSK



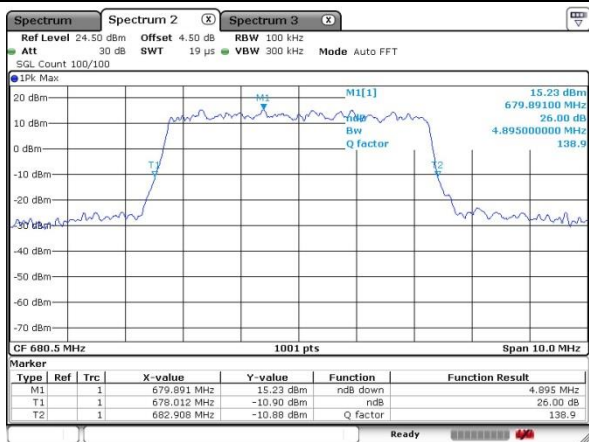
Date: 12 MAR 2019 22:41:24

Lowest Channel / 5MHz / 16QAM



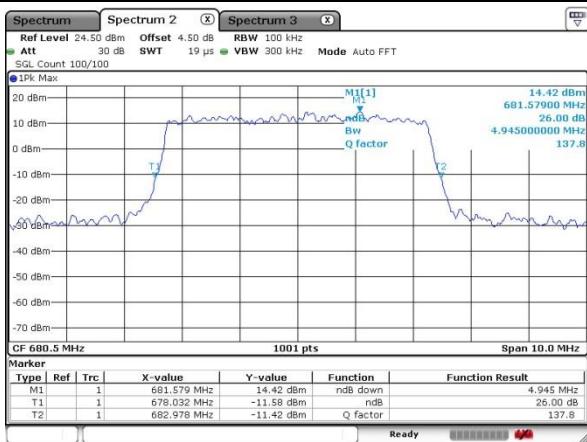
Date: 12 MAR 2019 22:43:33

Middle Channel / 5MHz / QPSK



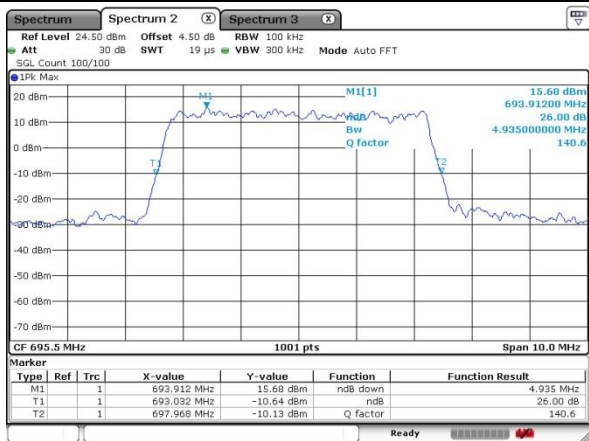
Date: 12 MAR 2019 22:48:13

Middle Channel / 5MHz / 16QAM



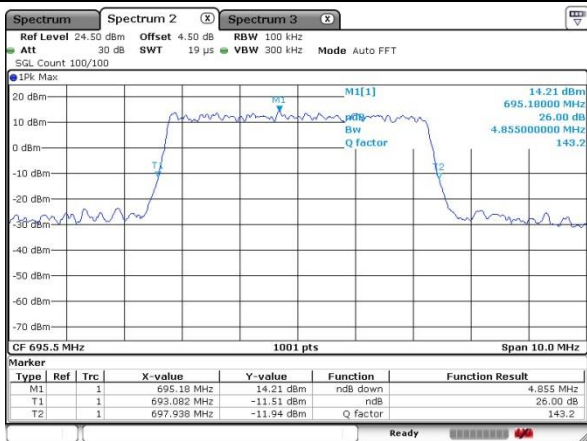
Date: 12 MAR 2019 22:48:24

Highest Channel / 5MHz / QPSK



Date: 12 MAR 2019 22:55:27

Highest Channel / 5MHz / 16QAM

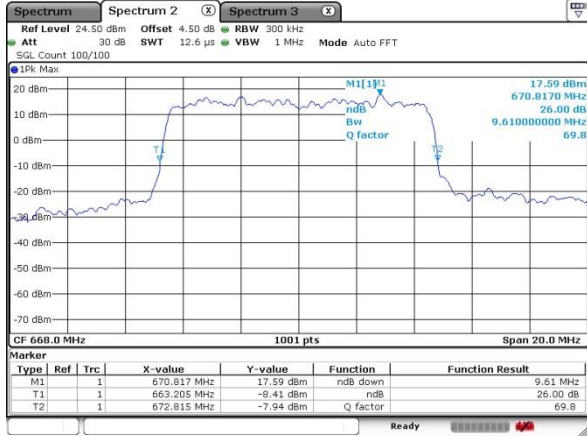


Date: 12 MAR 2019 22:54:57



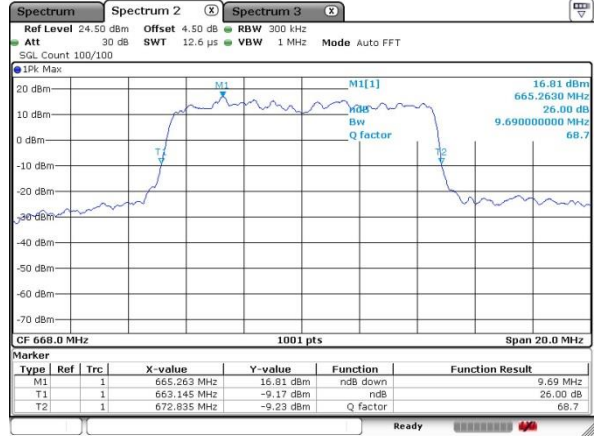
LTE Band 71

Lowest Channel / 10MHz / QPSK



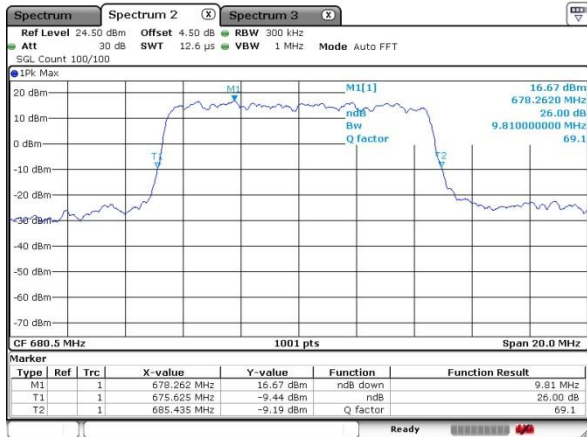
Date: 12 MAR 2019 23:01:47

Lowest Channel / 10MHz / 16QAM



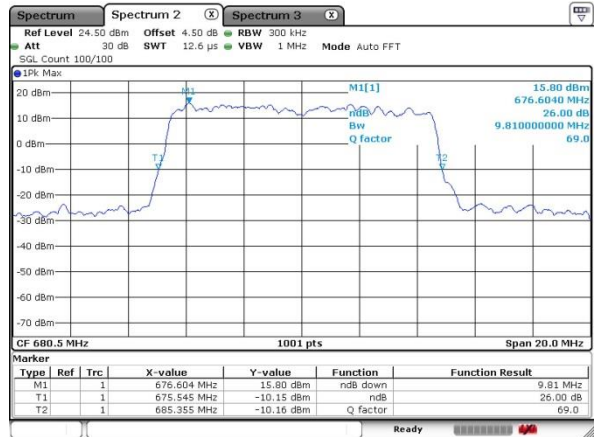
Date: 12 MAR 2019 23:01:33

Middle Channel / 10MHz / QPSK



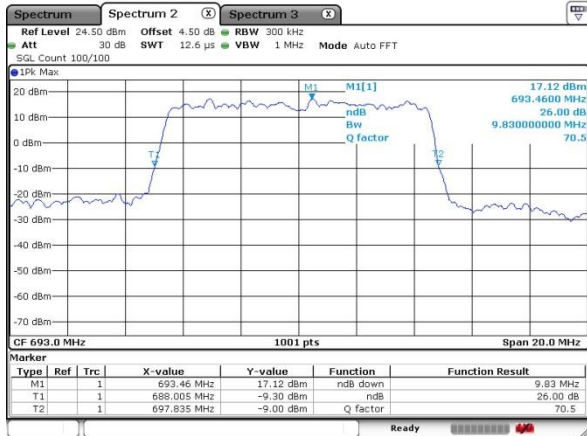
Date: 12 MAR 2019 23:03:16

Middle Channel / 10MHz / 16QAM



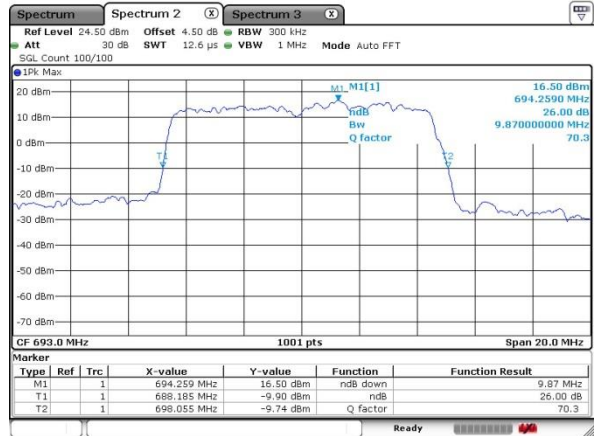
Date: 12 MAR 2019 23:03:36

Highest Channel / 10MHz / QPSK



Date: 12 MAR 2019 23:10:07

Highest Channel / 10MHz / 16QAM

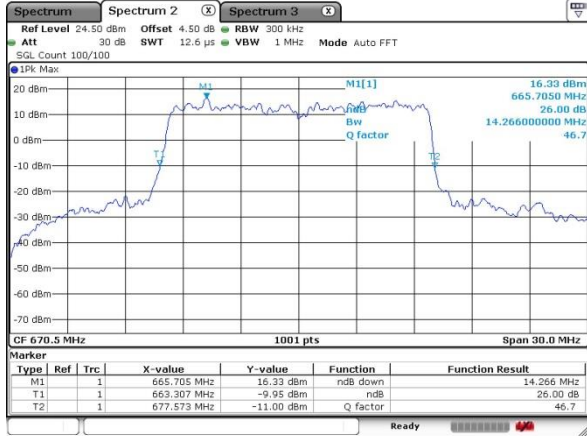


Date: 12 MAR 2019 23:09:50



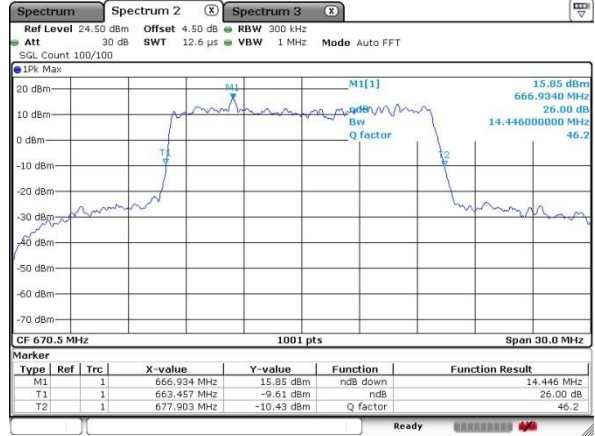
LTE Band 71

Lowest Channel / 15MHz / QPSK



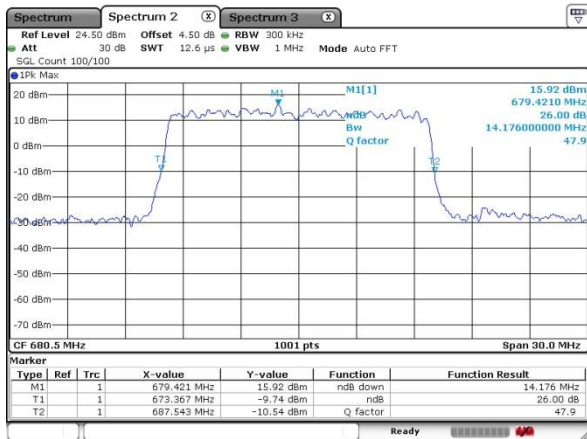
Date: 12 MAR 2019 23:14:48

Lowest Channel / 15MHz / 16QAM



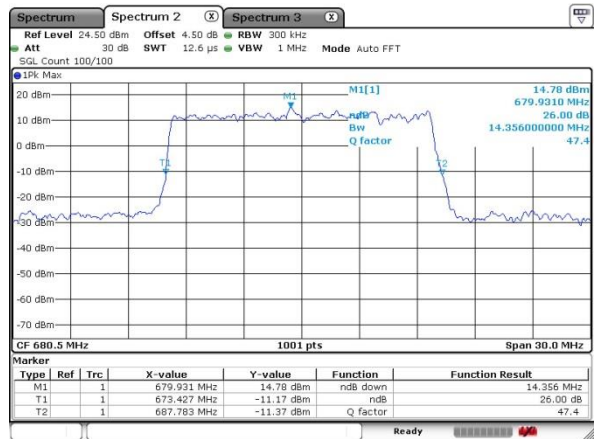
Date: 12 MAR 2019 23:14:31

Middle Channel / 15MHz / QPSK



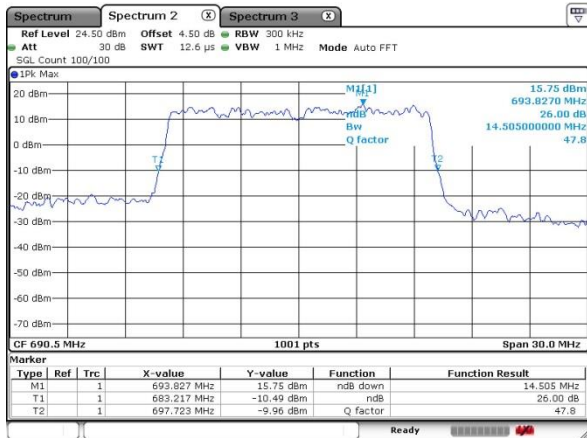
Date: 12 MAR 2019 23:16:00

Middle Channel / 15MHz / 16QAM



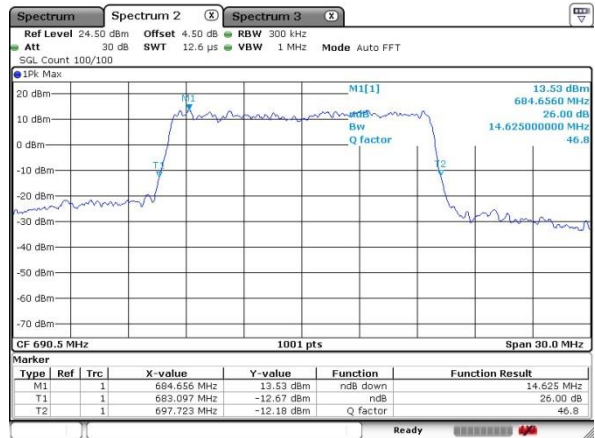
Date: 12 MAR 2019 23:16:28

Highest Channel / 15MHz / QPSK



Date: 12 MAR 2019 23:22:57

Highest Channel / 15MHz / 16QAM

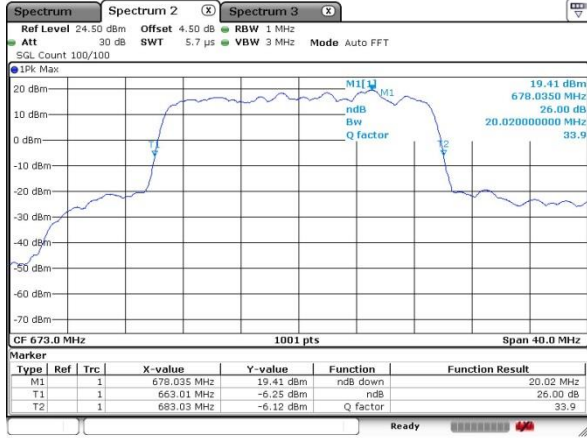


Date: 12 MAR 2019 23:22:32



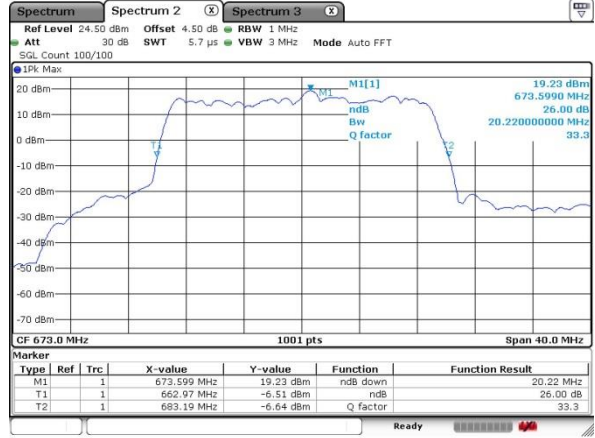
LTE Band 71

Lowest Channel / 20MHz / QPSK



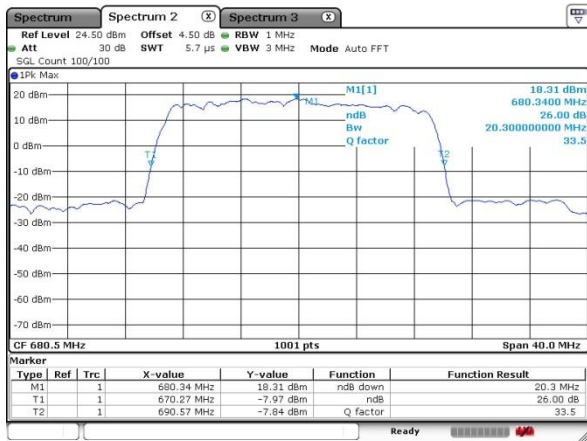
Date: 12 MAR 2019 23:27:51

Lowest Channel / 20MHz / 16QAM



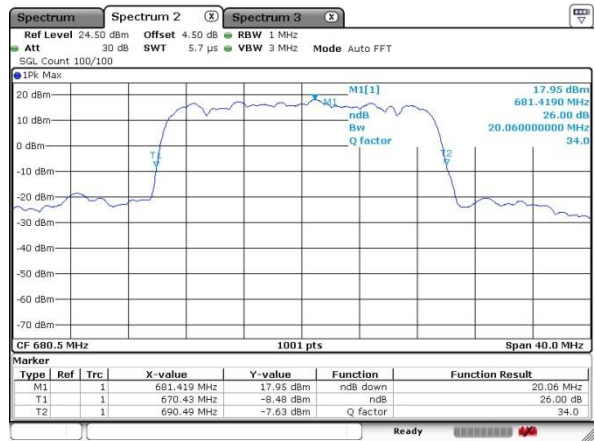
Date: 12 MAR 2019 23:27:29

Middle Channel / 20MHz / QPSK



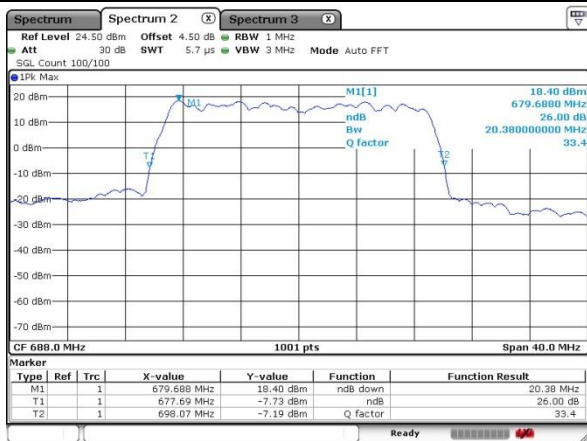
Date: 12 MAR 2019 23:28:47

Middle Channel / 20MHz / 16QAM



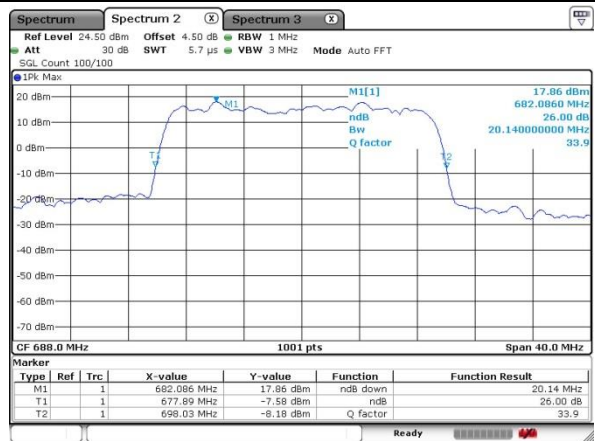
Date: 12 MAR 2019 23:29:10

Highest Channel / 20MHz / QPSK



Date: 12 MAR 2019 23:34:50

Highest Channel / 20MHz / 16QAM

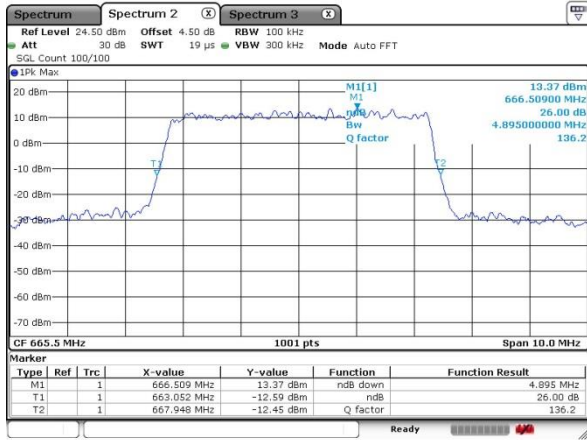


Date: 12 MAR 2019 23:34:33



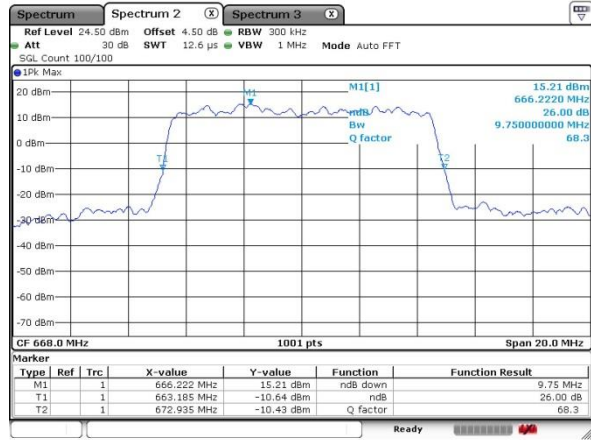
LTE Band 71

Lowest Channel / 5MHz / 64QAM



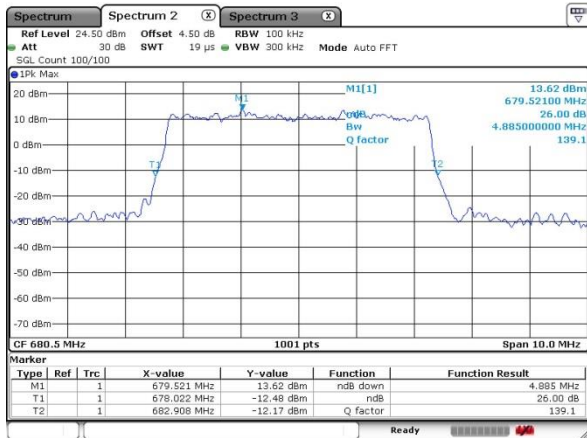
Date: 12 MAR 2019 22:45:23

Lowest Channel / 10MHz / 64QAM



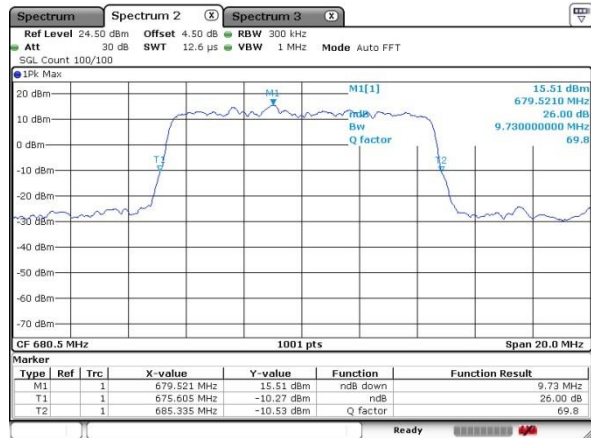
Date: 12 MAR 2019 23:00:44

Middle Channel / 5MHz / 64QAM



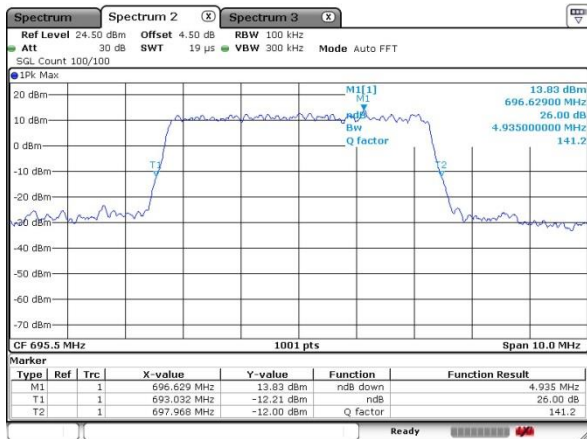
Date: 12 MAR 2019 22:47:09

Middle Channel / 10MHz / 64QAM



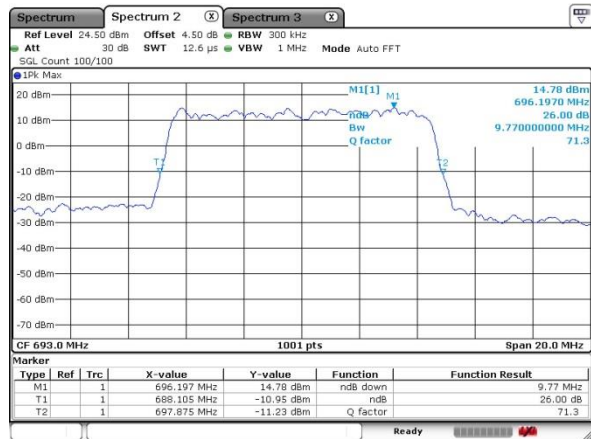
Date: 12 MAR 2019 23:04:39

Highest Channel / 5MHz / 64QAM



Date: 12 MAR 2019 22:52:50

Highest Channel / 10MHz / 64QAM

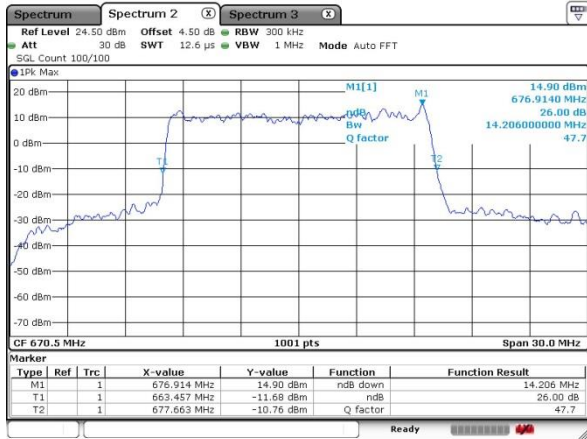


Date: 12 MAR 2019 23:08:53



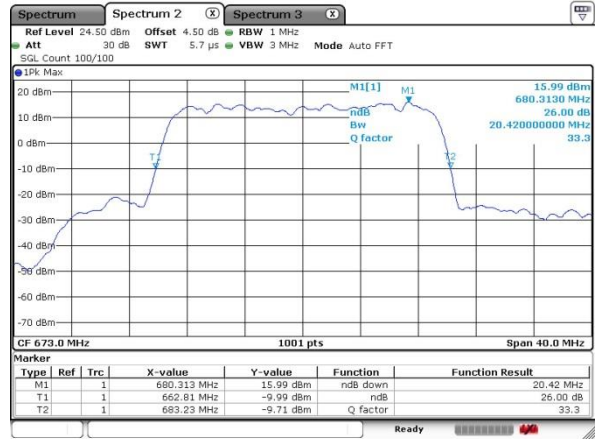
LTE Band 71

Lowest Channel / 15MHz / 64QAM



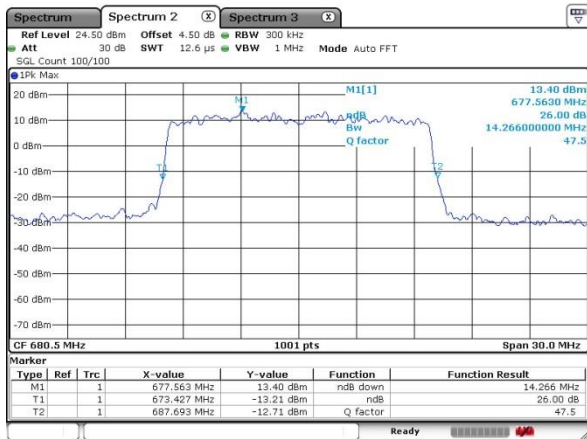
Date: 12 MAR 2019 23:13:28

Lowest Channel / 20MHz / 64QAM



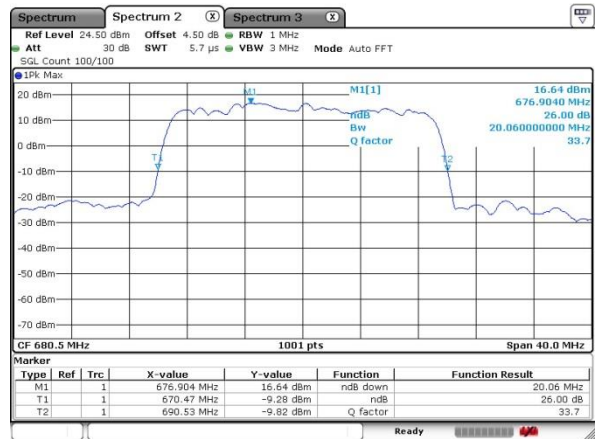
Date: 12 MAR 2019 23:26:22

Middle Channel / 15MHz / 64QAM



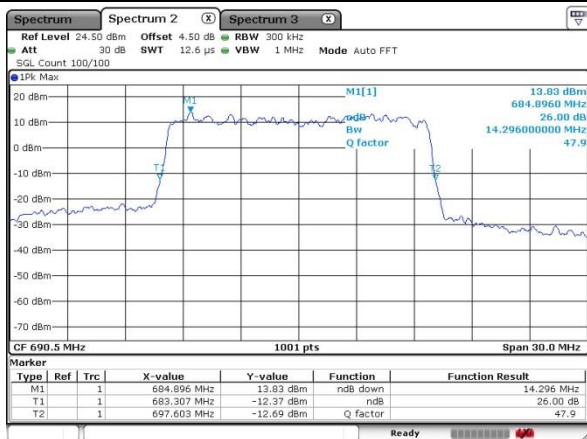
Date: 12 MAR 2019 23:17:18

Middle Channel / 20MHz / 64QAM



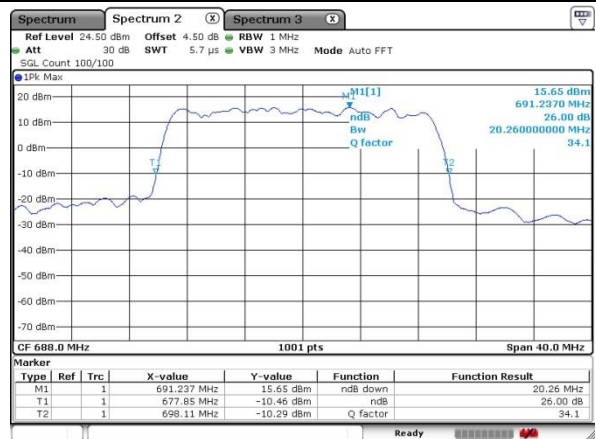
Date: 12 MAR 2019 23:30:19

Highest Channel / 15MHz / 64QAM



Date: 12 MAR 2019 23:21:33

Highest Channel / 20MHz / 64QAM



Date: 12 MAR 2019 23:33:28



Occupied Bandwidth

| Mode | | LTE Band 12 : 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 | 1.08 | 2.75 | 2.72 | 4.51 | 4.51 | 8.97 | 9.01 | | | | | |
| Middle CH | 1.09 | 1.10 | 2.72 | 2.72 | 4.49 | 4.51 | 9.01 | 9.01 | | | | | |
| Highest CH | 1.09 | 1.09 | 2.72 | 2.70 | 4.50 | 4.51 | 9.05 | 9.03 | | | | | |
| Mode | | LTE Band 12 : 99%OBW(MHz) | | | | | | | | | | | |
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | | |
| Mod. | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | | |
| Lowest CH | 1.09 | | 2.73 | | 4.51 | | 8.93 | | | | | | |
| Middle CH | 1.09 | | 2.73 | | 4.49 | | 8.97 | | | | | | |
| Highest CH | 1.10 | | 2.70 | | 4.47 | | 9.03 | | | | | | |

| Mode | | LTE Band 25 : 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 | 1.09 | 2.71 | 2.75 | 4.50 | 4.49 | 8.97 | 9.01 | 13.46 | 13.46 | 18.38 | 18.30 | |
| Middle CH | 1.09 | 1.09 | 2.72 | 2.72 | 4.50 | 4.49 | 9.07 | 9.01 | 13.49 | 13.49 | 18.34 | 18.50 | |
| Highest CH | 1.10 | 1.09 | 2.72 | 2.72 | 4.50 | 4.50 | 9.03 | 8.97 | 13.43 | 13.37 | 18.42 | 18.54 | |
| Mode | | LTE Band 25 : 99%OBW(MHz) | | | | | | | | | | | |
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | | |
| Mod. | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | | |
| Lowest CH | 1.09 | | 2.73 | | 4.50 | | 8.99 | | 13.43 | | 18.30 | | |
| Middle CH | 1.09 | | 2.72 | | 4.52 | | 8.97 | | 13.43 | | 18.26 | | |
| Highest CH | 1.09 | | 2.70 | | 4.49 | | 9.05 | | 13.46 | | 18.38 | | |



| Mode | LTE Band 26 : 99%OBW(MHz) | | | | | | | | | | | |
|------------|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|-------|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | CH26765 | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | 1.10 | 1.09 | 2.72 | 2.70 | 4.50 | 4.47 | 8.95 | 8.95 | 13.40 | 13.43 | 13.43 | 13.43 |
| Middle CH | 1.09 | 1.09 | 2.71 | 2.72 | 4.51 | 4.51 | 9.11 | 8.99 | 13.46 | 13.43 | - | - |
| Highest CH | 1.08 | 1.09 | 2.72 | 2.72 | 4.48 | 4.48 | 8.97 | 9.01 | 13.49 | 13.52 | - | - |
| Mode | LTE Band 26 : 99%OBW(MHz) | | | | | | | | | | | |
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | CH26765 | |
| Mod. | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | |
| Lowest CH | 1.09 | | 2.72 | | 4.49 | | 9.05 | | 13.46 | | 13.49 | |
| Middle CH | 1.09 | | 2.72 | | 4.51 | | 8.99 | | 13.46 | | - | |
| Highest CH | 1.09 | | 2.71 | | 4.50 | | 8.97 | | 13.46 | | - | |

| 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 | | | | | 4.49 | 4.5 | 8.99 | 9.03 | 13.49 | 13.46 | 18.50 | 18.34 |
| Middle CH | | | | | 4.48 | 4.48 | 9.03 | 9.05 | 13.46 | 13.46 | 18.30 | 18.30 |
| Highest CH | | | | | 4.48 | 4.48 | 9.05 | 9.01 | 13.49 | 13.37 | 18.30 | 18.38 |
| Mode | LTE Band 41 : 99%OBW(MHz) | | | | | | | | | | | |
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | |
| Lowest CH | | | | | 4.5 | | 9.01 | | 13.40 | | 18.38 | |
| Middle CH | | | | | 4.49 | | 9.09 | | 13.43 | | 18.26 | |
| Highest CH | | | | | 4.46 | | 9.01 | | 13.4 | | 18.18 | |



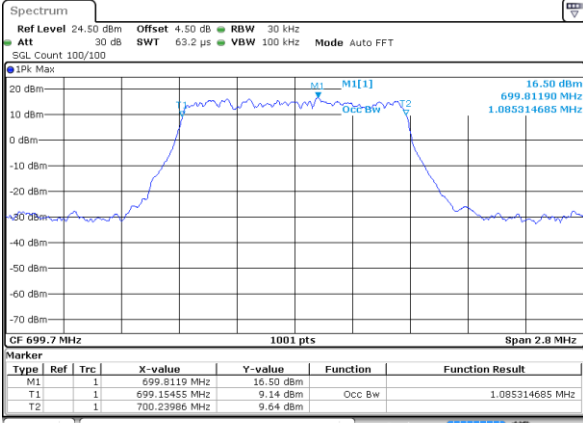
| Mode | LTE Band 66 : 99%OBW(MHz) | | | | | | | | | | | |
|------------|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | 1.09 | 1.10 | 2.71 | 2.72 | 4.50 | 4.48 | 9.05 | 8.99 | 13.49 | 13.46 | 18.30 | 18.54 |
| Middle CH | 1.09 | 1.10 | 2.72 | 2.72 | 4.51 | 4.48 | 9.09 | 9.01 | 13.49 | 13.43 | 18.42 | 18.22 |
| Highest CH | 1.10 | 1.10 | 2.73 | 2.75 | 4.51 | 4.51 | 9.03 | 9.01 | 13.49 | 13.43 | 18.26 | 18.42 |
| Mode | LTE Band 66 : 99%OBW(MHz) | | | | | | | | | | | |
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | |
| Lowest CH | 1.09 | | 2.72 | | 4.50 | | 9.07 | | 13.43 | | 18.34 | |
| Middle CH | 1.10 | | 2.72 | | 4.51 | | 9.07 | | 13.46 | | 18.50 | |
| Highest CH | 1.10 | | 2.71 | | 4.52 | | 9.05 | | 13.52 | | 18.46 | |

| Mode | LTE Band 71 : 99%OBW(MHz) | | | | | | | | | | | |
|------------|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| BW | 5MHz | | 10MHz | | 15MHz | | 20MHz | | 5MHz | 10MHz | 15MHz | 20MHz |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | 64QAM | 64QAM | 64QAM | 64QAM |
| Lowest CH | 4.51 | 4.48 | 9.01 | 8.99 | 13.49 | 13.4 | 18.46 | 18.46 | 4.46 | 8.95 | 13.43 | 18.38 |
| Middle CH | 4.47 | 4.48 | 8.97 | 9.03 | 13.4 | 13.37 | 18.26 | 18.22 | 4.5 | 9.05 | 13.4 | 18.1 |
| Highest CH | 4.51 | 4.5 | 8.99 | 9.05 | 13.4 | 13.46 | 18.46 | 18.42 | 4.52 | 8.99 | 13.52 | 18.46 |



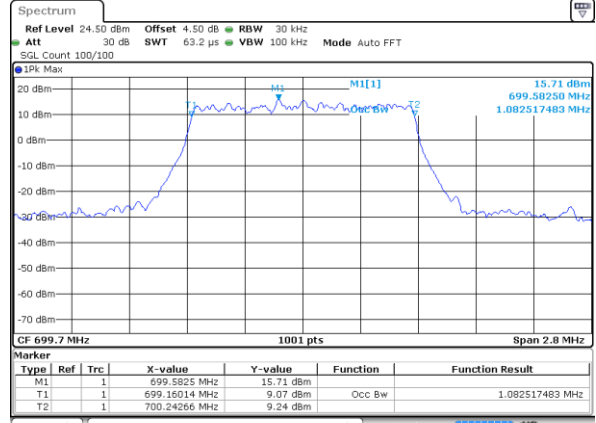
LTE Band 12

Lowest Channel / 1.4MHz / QPSK



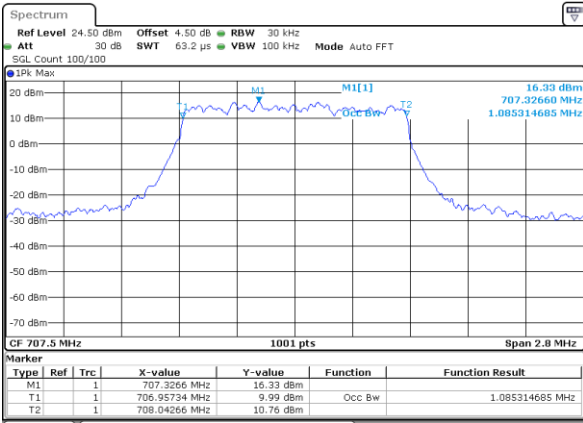
Date: 1 MAR 2019 09:37:19

Lowest Channel / 1.4MHz / 16QAM



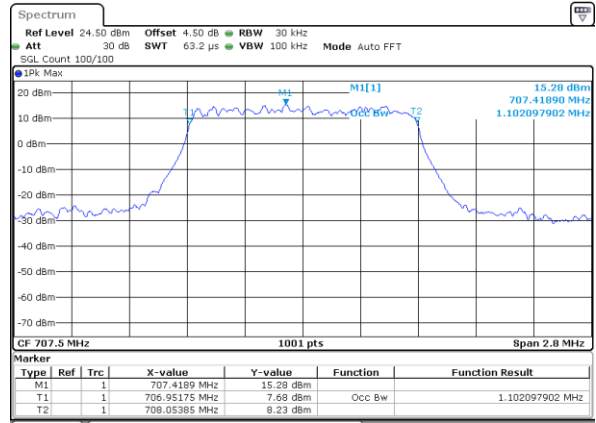
Date: 1 MAR 2019 09:37:29

Middle Channel / 1.4MHz / QPSK



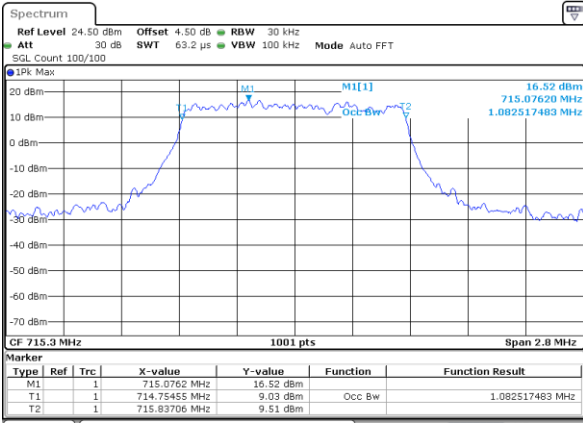
Date: 1 MAR 2019 09:37:49

Middle Channel / 1.4MHz / 16QAM



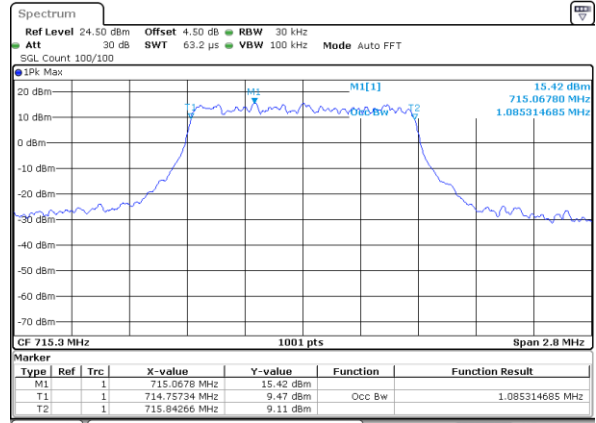
Date: 1 MAR 2019 09:37:59

Highest Channel / 1.4MHz / QPSK



Date: 1 MAR 2019 09:37:59

Highest Channel / 1.4MHz / 16QAM

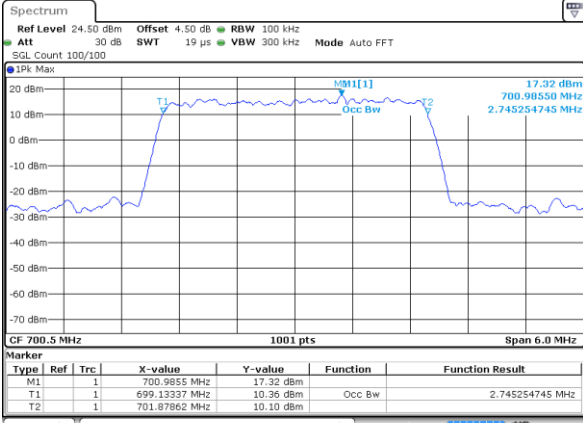


Date: 1 MAR 2019 09:38:09



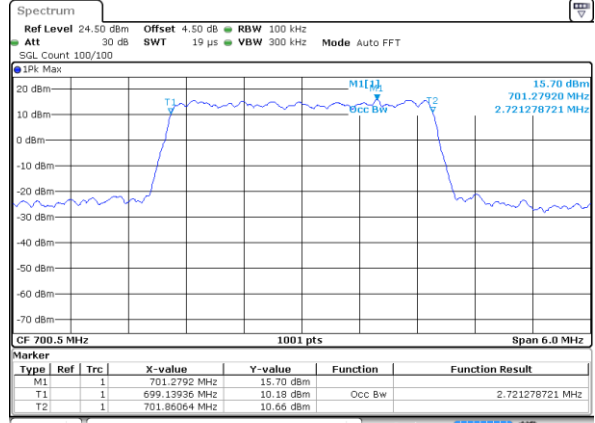
LTE Band 12

Lowest Channel / 3MHz / QPSK



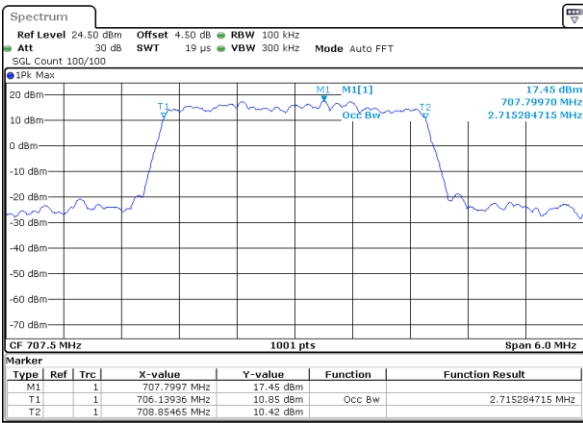
Date: 1 MAR 2019 09:53:37

Lowest Channel / 3MHz / 16QAM



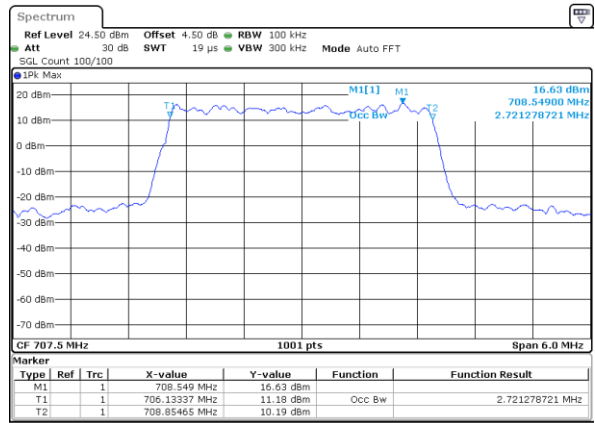
Date: 1 MAR 2019 09:53:47

Middle Channel / 3MHz / QPSK



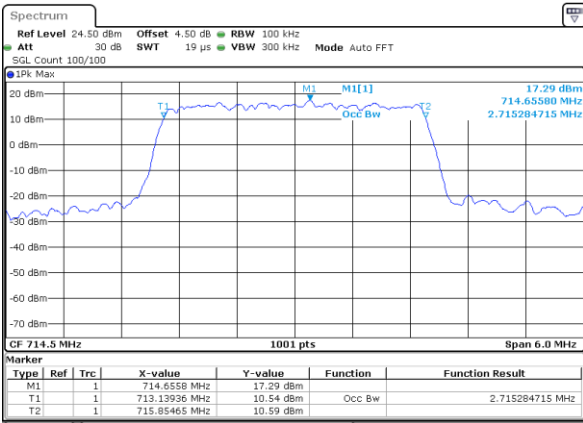
Date: 1 MAR 2019 09:54:08

Middle Channel / 3MHz / 16QAM



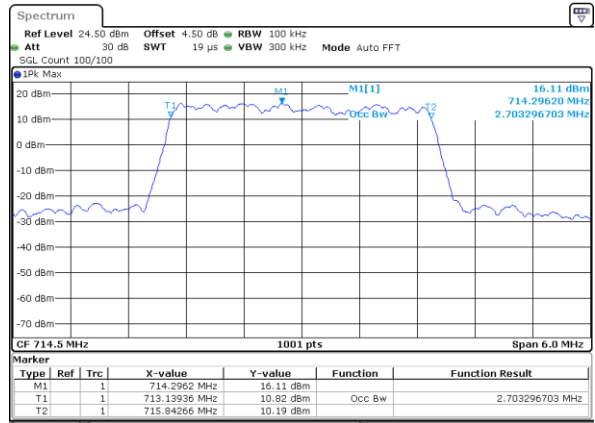
Date: 1 MAR 2019 09:53:57

Highest Channel / 3MHz / QPSK



Date: 1 MAR 2019 09:54:18

Highest Channel / 3MHz / 16QAM

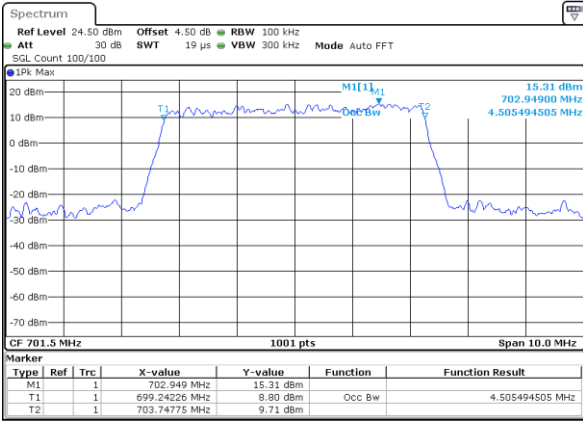


Date: 1 MAR 2019 09:54:28



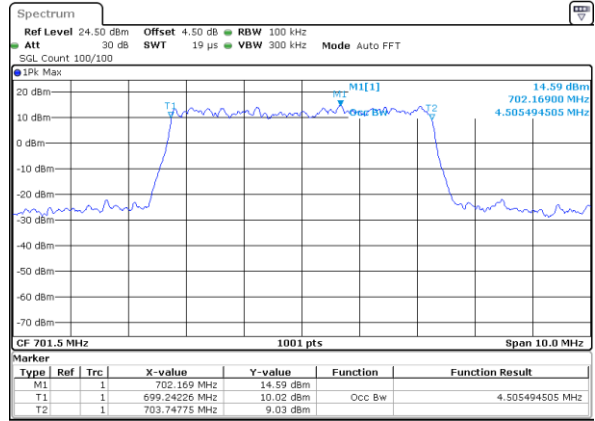
LTE Band 12

Lowest Channel / 5MHz / QPSK



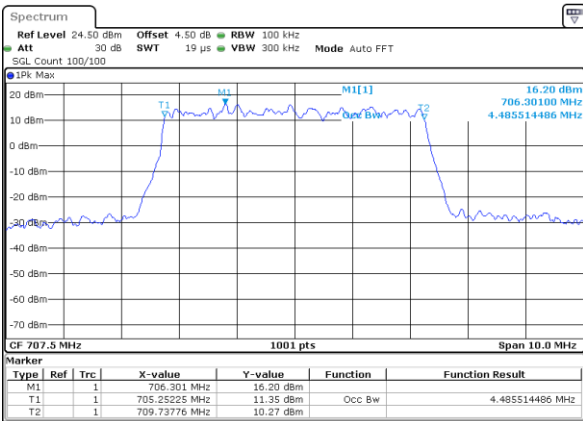
Date: 1 MAR 2019 10:09:56

Lowest Channel / 5MHz / 16QAM



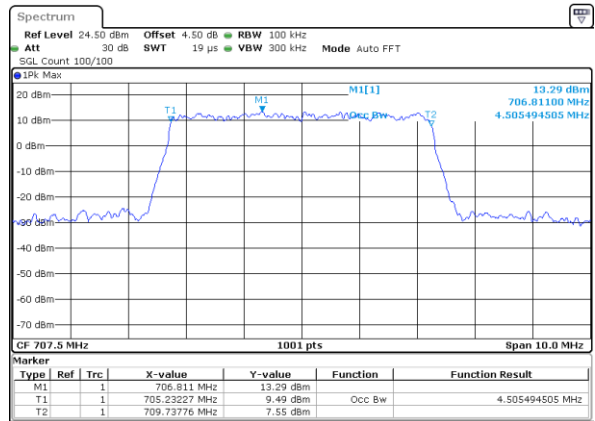
Date: 1 MAR 2019 10:10:06

Middle Channel / 5MHz / QPSK



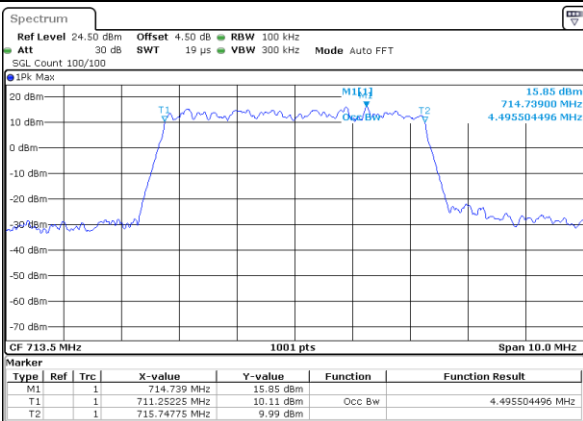
Date: 1 MAR 2019 10:10:26

Middle Channel / 5MHz / 16QAM



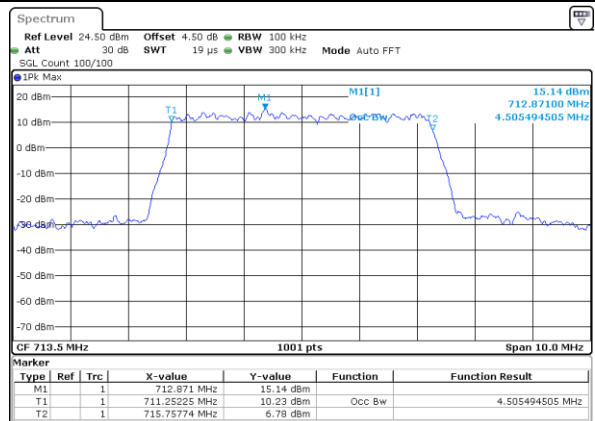
Date: 1 MAR 2019 10:10:16

Highest Channel / 5MHz / QPSK



Date: 1 MAR 2019 10:10:36

Highest Channel / 5MHz / 16QAM

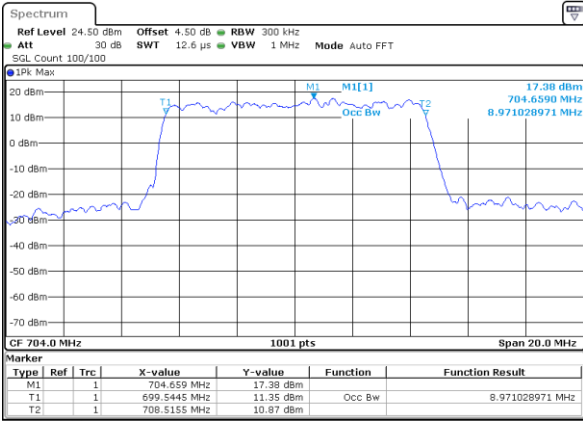


Date: 1 MAR 2019 10:10:46



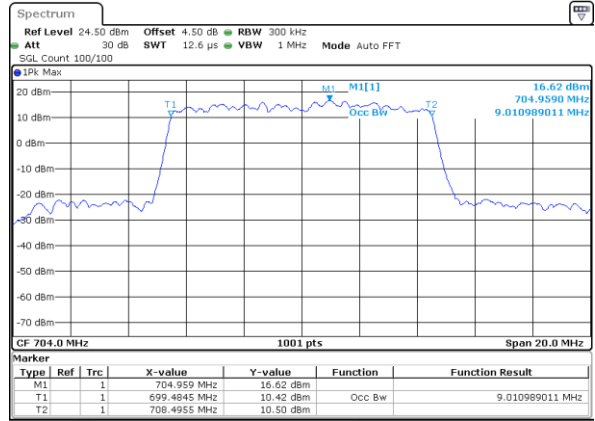
LTE Band 12

Lowest Channel / 10MHz / QPSK



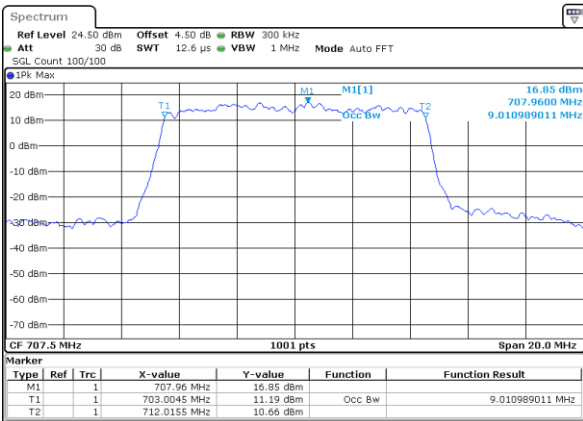
Date: 1 MAR 2019 10:26:15

Lowest Channel / 10MHz / 16QAM



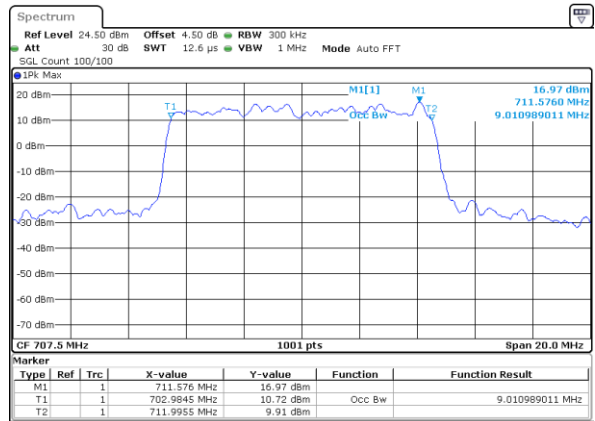
Date: 1 MAR 2019 10:26:25

Middle Channel / 10MHz / QPSK



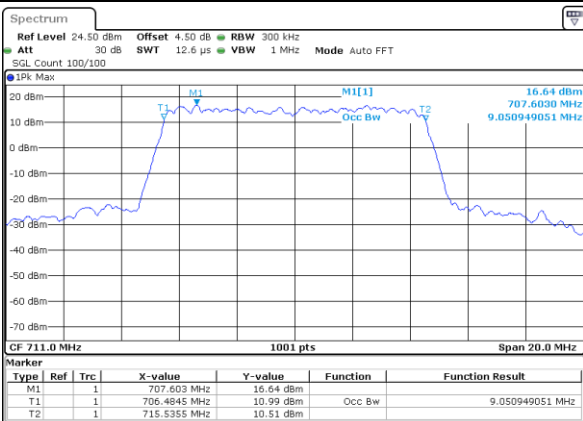
Date: 1 MAR 2019 10:26:45

Middle Channel / 10MHz / 16QAM



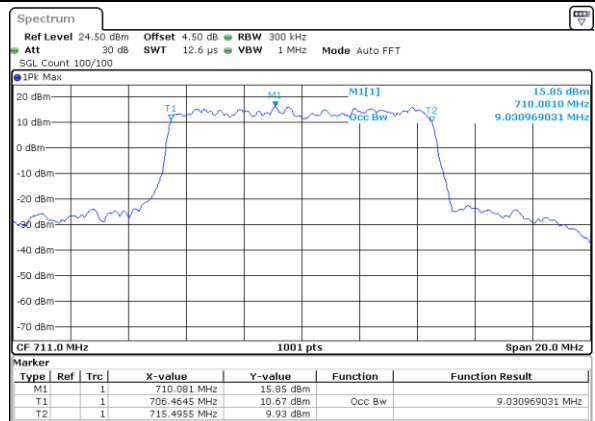
Date: 1 MAR 2019 10:26:55

Highest Channel / 10MHz / QPSK



Date: 1 MAR 2019 10:26:55

Highest Channel / 10MHz / 16QAM

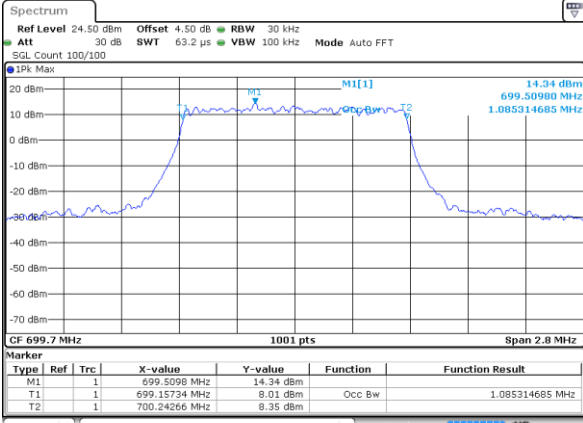


Date: 1 MAR 2019 10:27:05



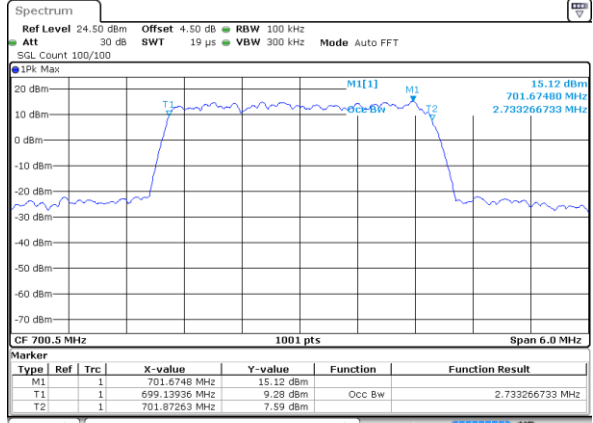
LTE Band 12

Lowest Channel / 1.4MHz / 64QAM



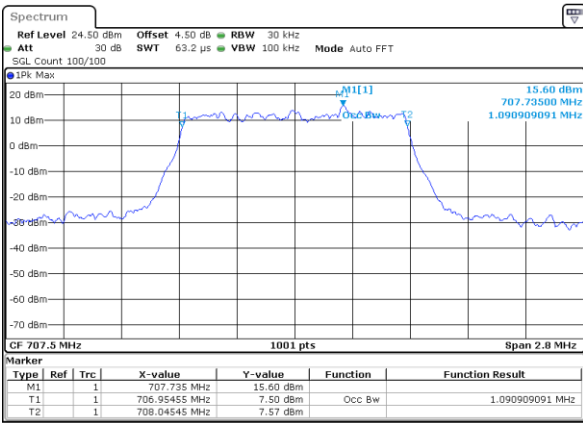
Date: 1 MAR 2019 10:42:33

Lowest Channel / 3MHz / 64QAM



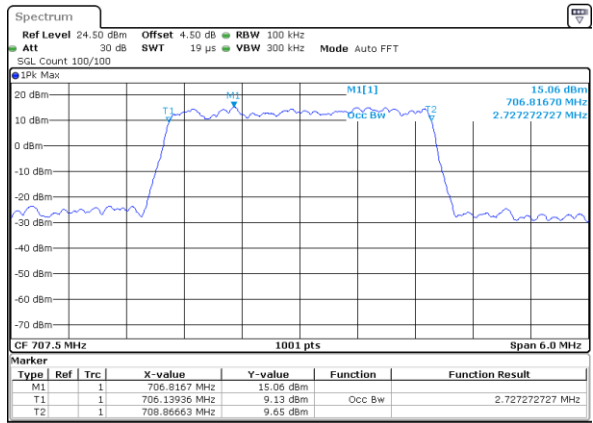
Date: 1 MAR 2019 10:53:24

Middle Channel / 1.4MHz / 64QAM



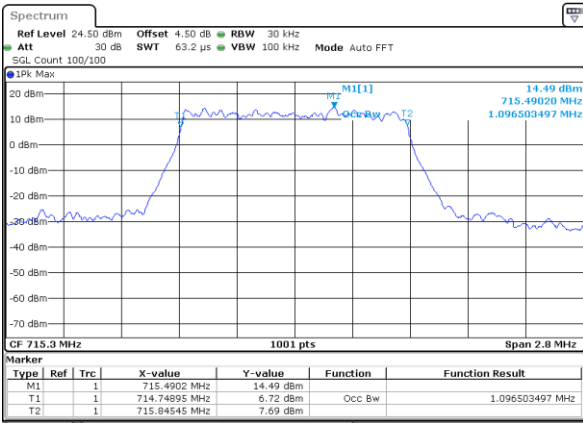
Date: 1 MAR 2019 10:42:54

Middle Channel / 3MHz / 64QAM



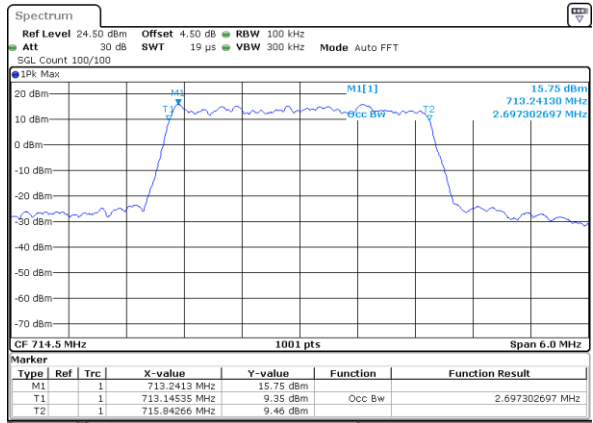
Date: 1 MAR 2019 10:53:44

Highest Channel / 1.4MHz / 64QAM



Date: 1 MAR 2019 10:43:14

Highest Channel / 3MHz / 64QAM

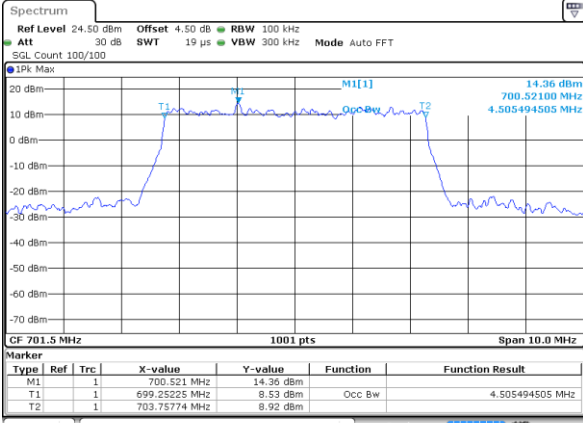


Date: 1 MAR 2019 10:54:04



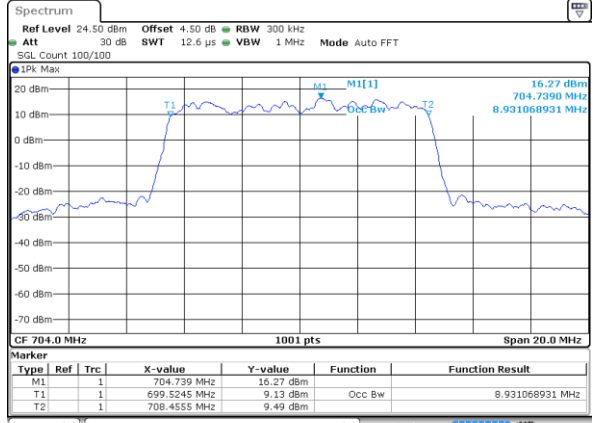
LTE Band 12

Lowest Channel / 5MHz / 64QAM



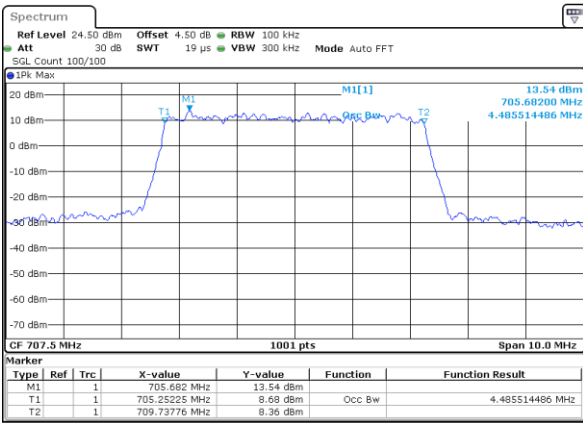
Date: 1 MAR 2019 10:58:52

Lowest Channel / 10MHz / 64QAM



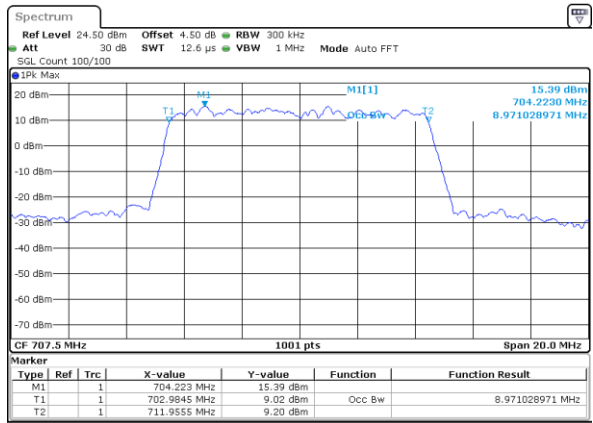
Date: 1 MAR 2019 11:09:42

Middle Channel / 5MHz / 64QAM



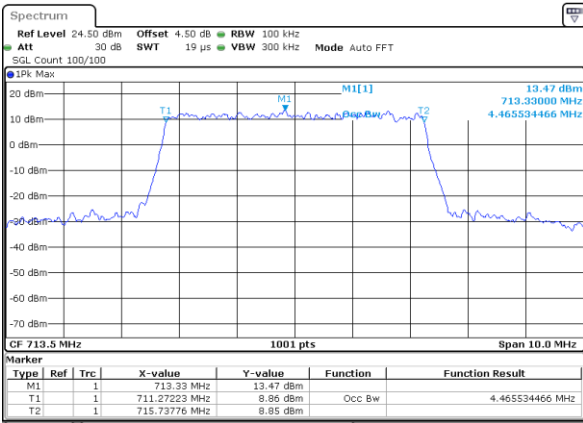
Date: 1 MAR 2019 10:59:12

Middle Channel / 10MHz / 64QAM



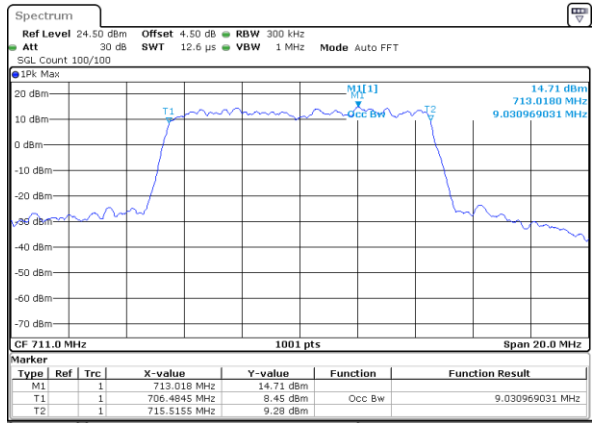
Date: 1 MAR 2019 11:10:02

Highest Channel / 5MHz / 64QAM



Date: 1 MAR 2019 10:59:33

Highest Channel / 10MHz / 64QAM

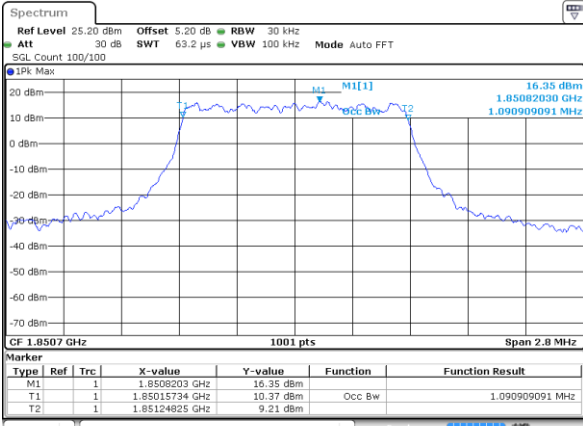


Date: 1 MAR 2019 11:10:22



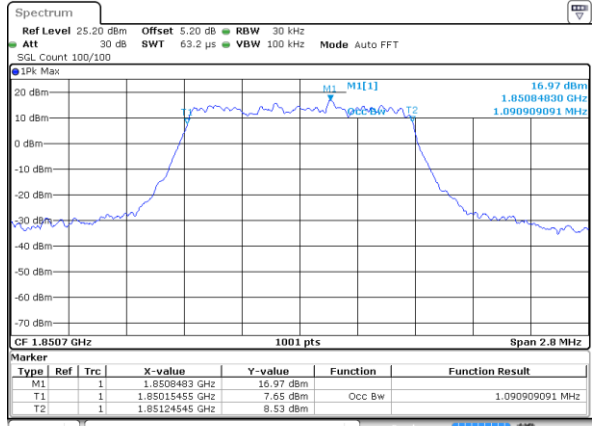
LTE Band 25

Lowest Channel / 1.4MHz / QPSK



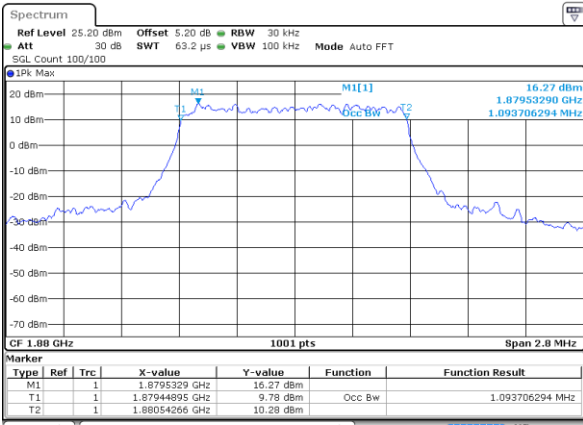
Date: 1 MAR 2019 11:55:11

Lowest Channel / 1.4MHz / 16QAM



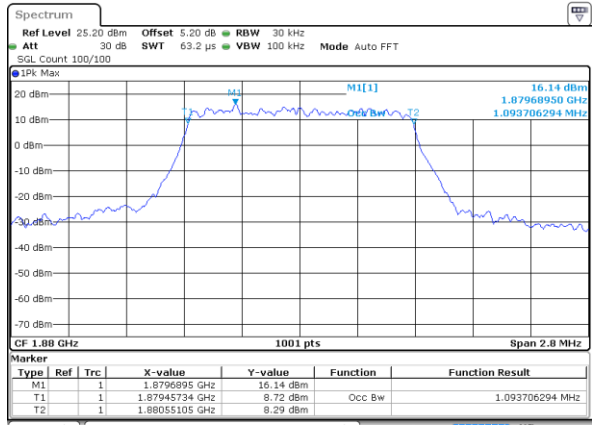
Date: 1 MAR 2019 11:55:31

Middle Channel / 1.4MHz / QPSK



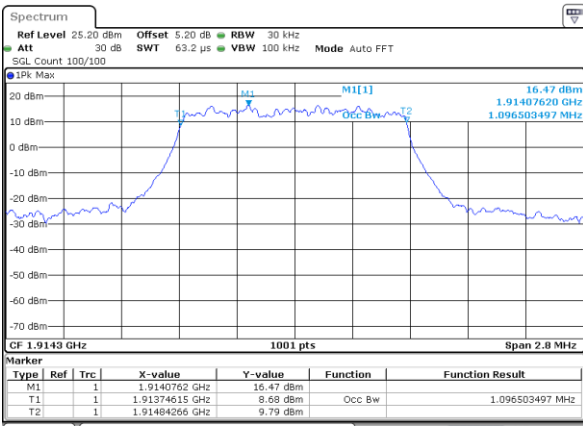
Date: 1 MAR 2019 11:56:11

Middle Channel / 1.4MHz / 16QAM



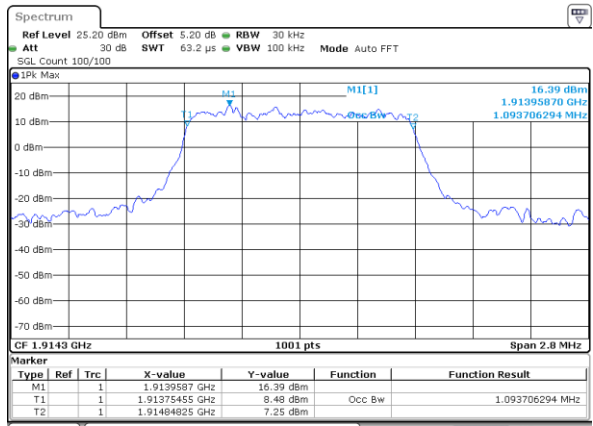
Date: 1 MAR 2019 11:56:31

Highest Channel / 1.4MHz / QPSK



Date: 1 MAR 2019 11:57:11

Highest Channel / 1.4MHz / 16QAM

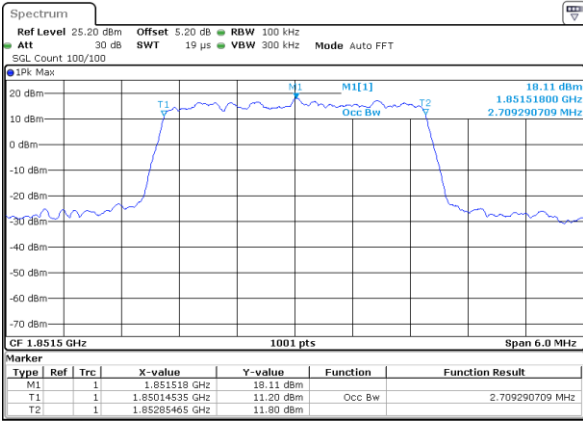


Date: 1 MAR 2019 11:57:31



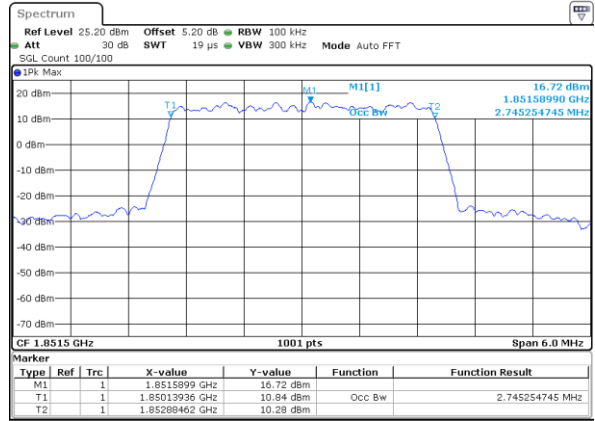
LTE Band 25

Lowest Channel / 3MHz / QPSK



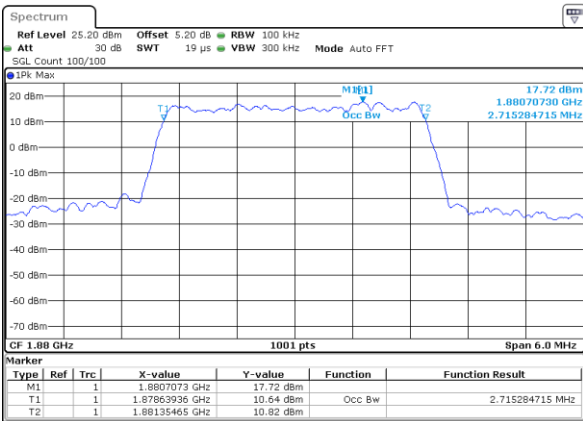
Date: 1 MAR 2019 12:06:17

Lowest Channel / 3MHz / 16QAM



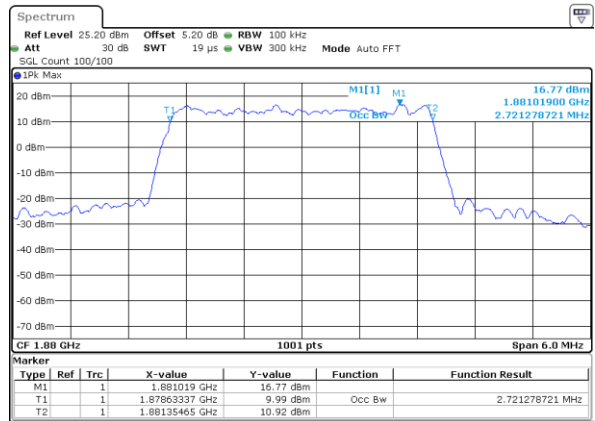
Date: 1 MAR 2019 12:06:37

Middle Channel / 3MHz / QPSK



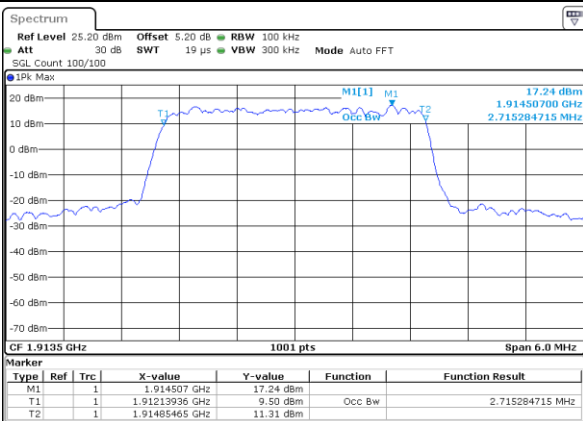
Date: 1 MAR 2019 12:07:17

Middle Channel / 3MHz / 16QAM



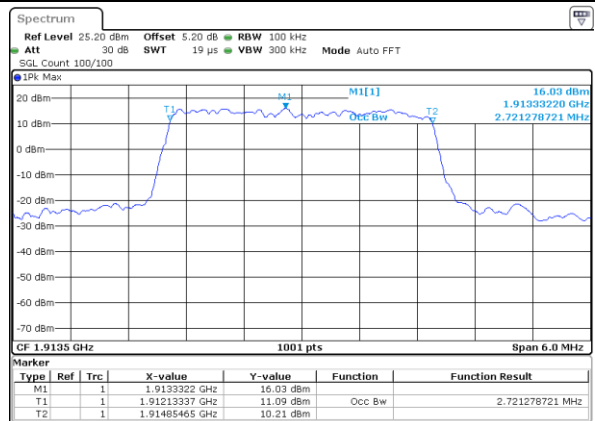
Date: 1 MAR 2019 12:07:37

Highest Channel / 3MHz / QPSK



Date: 1 MAR 2019 12:08:17

Highest Channel / 3MHz / 16QAM

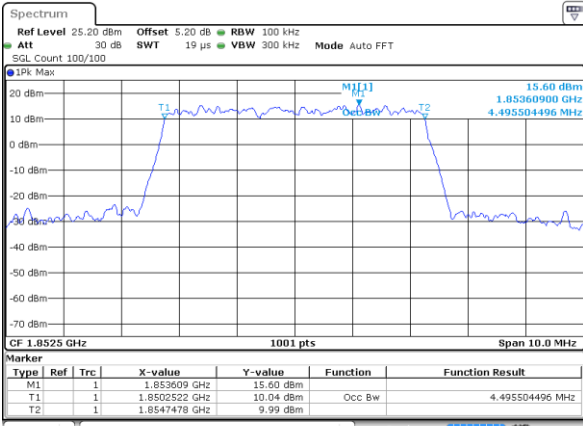


Date: 1 MAR 2019 12:08:37



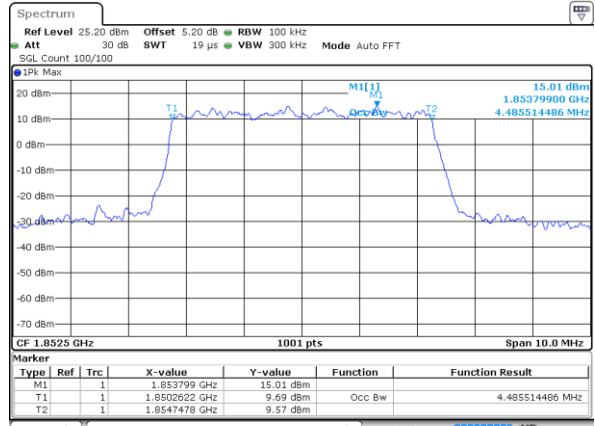
LTE Band 25

Lowest Channel / 5MHz / QPSK



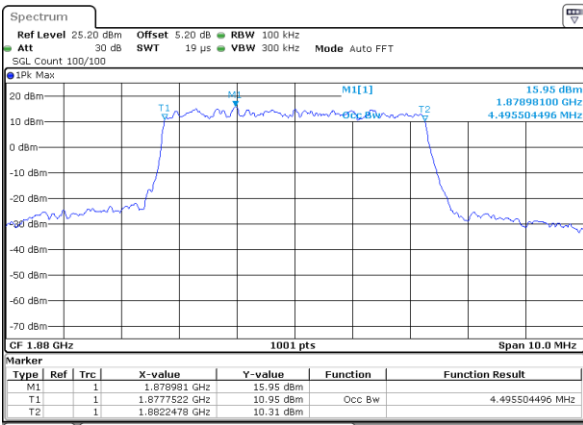
Date: 1 MAR 2019 12:17:22

Lowest Channel / 5MHz / 16QAM



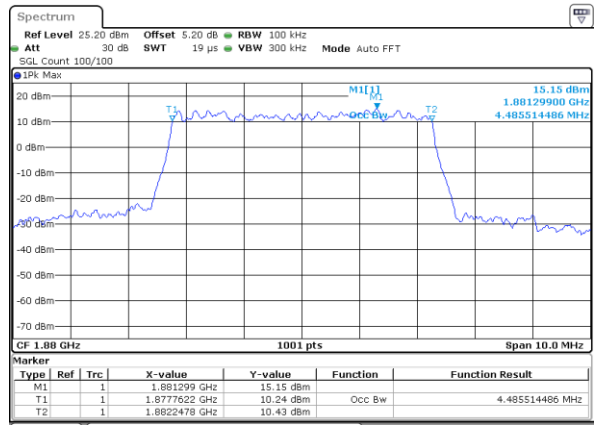
Date: 1 MAR 2019 12:17:42

Middle Channel / 5MHz / QPSK



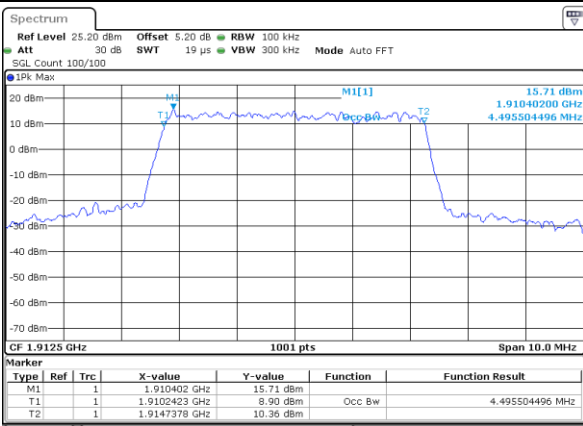
Date: 1 MAR 2019 12:24:26

Middle Channel / 5MHz / 16QAM



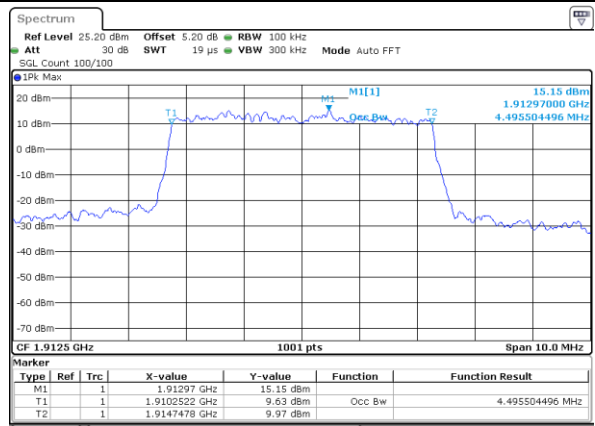
Date: 1 MAR 2019 12:24:06

Highest Channel / 5MHz / QPSK



Date: 1 MAR 2019 12:24:46

Highest Channel / 5MHz / 16QAM



Date: 1 MAR 2019 12:25:06