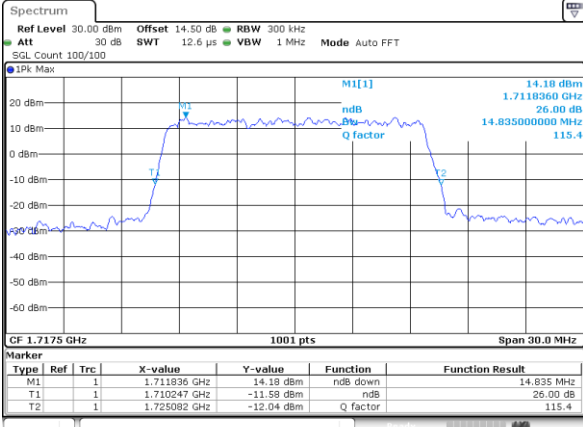




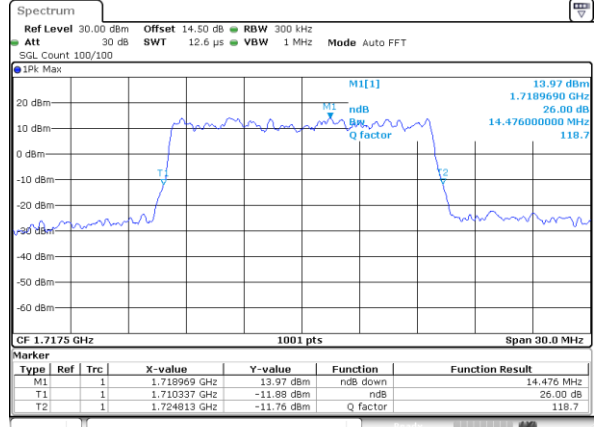
LTE Band 4

Lowest Channel / 15MHz / QPSK



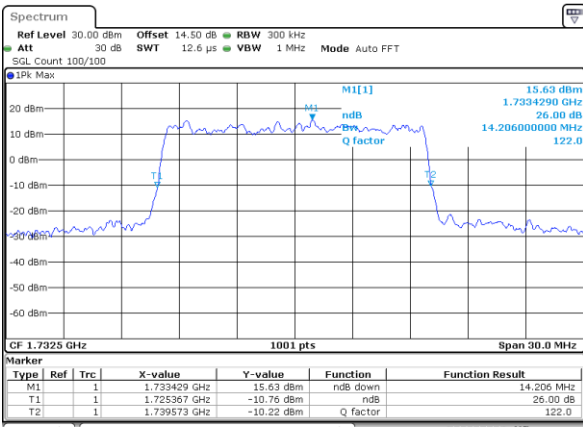
Date: 17_AUG.2017 12:57:40

Lowest Channel / 15MHz / 16QAM



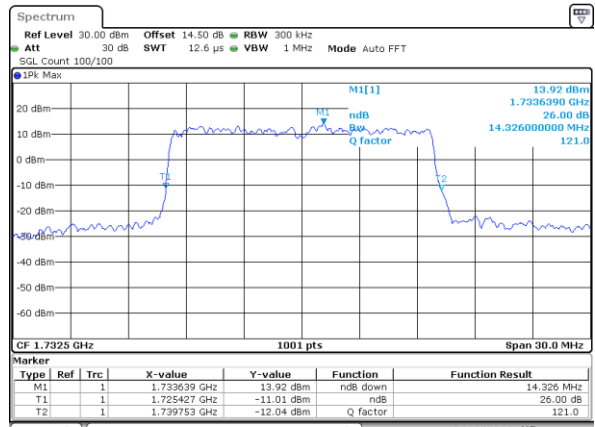
Date: 17_AUG.2017 12:57:50

Middle Channel / 15MHz / QPSK



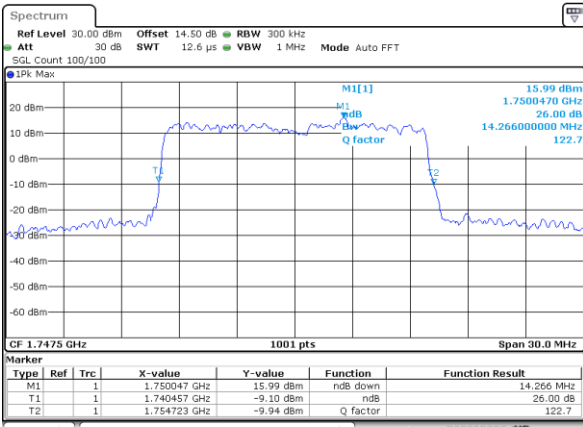
Date: 17_AUG.2017 13:04:47

Middle Channel / 15MHz / 16QAM



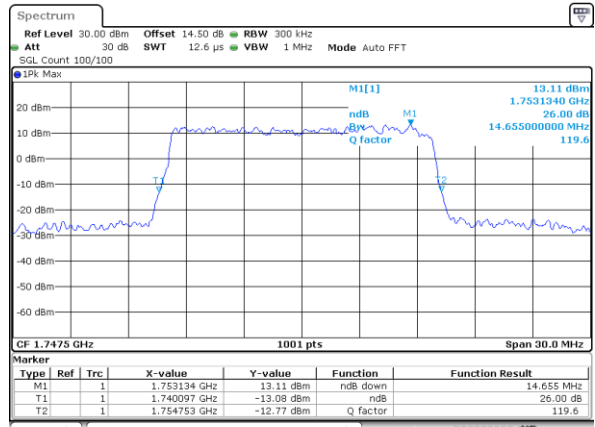
Date: 17_AUG.2017 13:04:57

Highest Channel / 15MHz / QPSK



Date: 17_AUG.2017 13:07:19

Highest Channel / 15MHz / 16QAM

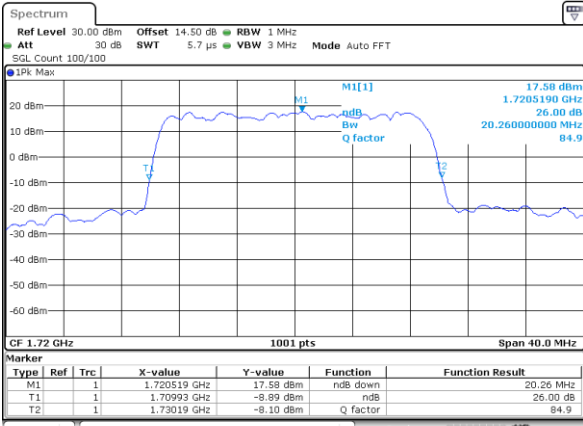


Date: 17_AUG.2017 13:07:29



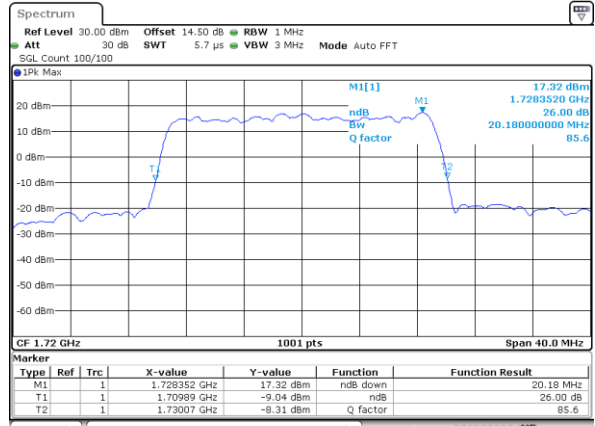
LTE Band 4

Lowest Channel / 20MHz / QPSK



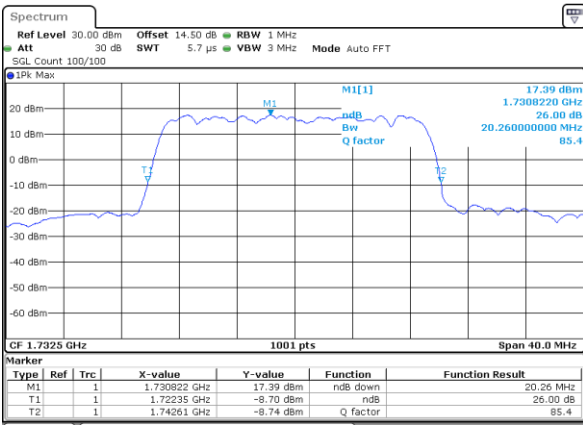
Date: 17_AUG.2017 13:14:26

Lowest Channel / 20MHz / 16QAM



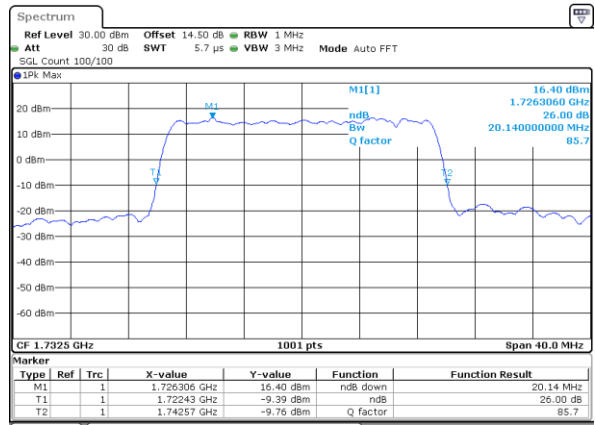
Date: 17_AUG.2017 13:14:36

Middle Channel / 20MHz / QPSK



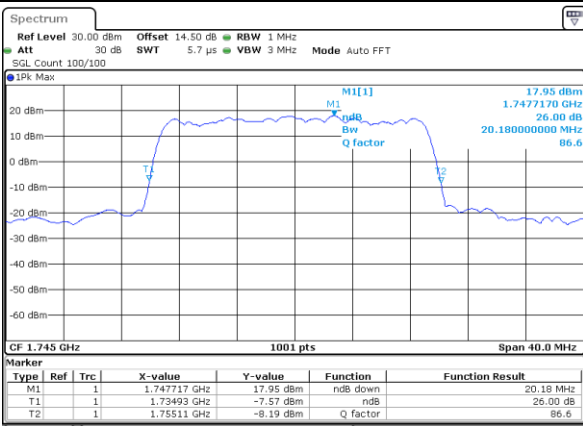
Date: 17_AUG.2017 13:21:03

Middle Channel / 20MHz / 16QAM



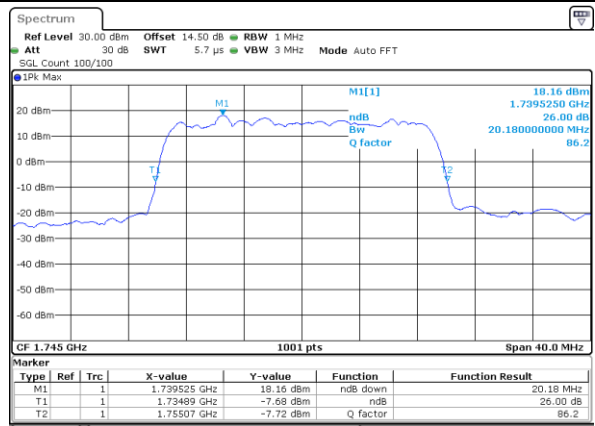
Date: 17_AUG.2017 13:21:42

Highest Channel / 20MHz / QPSK



Date: 17_AUG.2017 13:24:04

Highest Channel / 20MHz / 16QAM

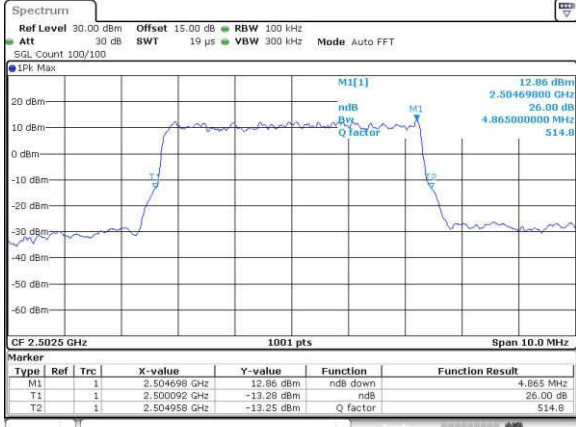


Date: 17_AUG.2017 13:24:14



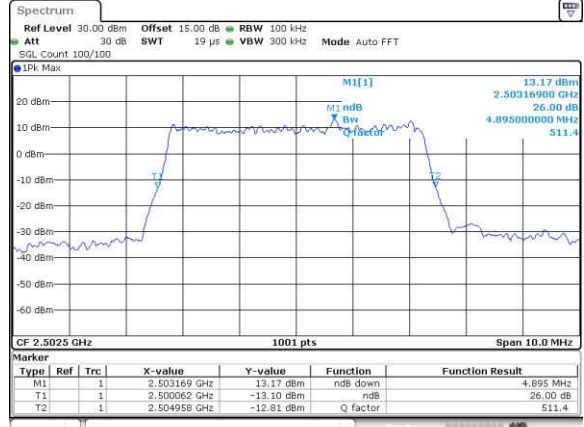
LTE Band 7

Lowest Channel / 5MHz / QPSK



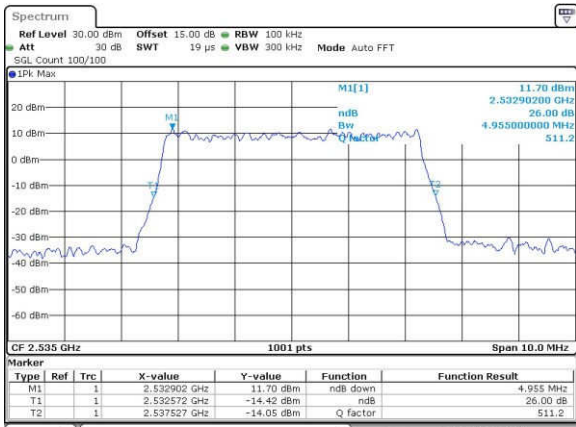
Date: 18_AUG_2017 11:00:54

Lowest Channel / 5MHz / 16QAM



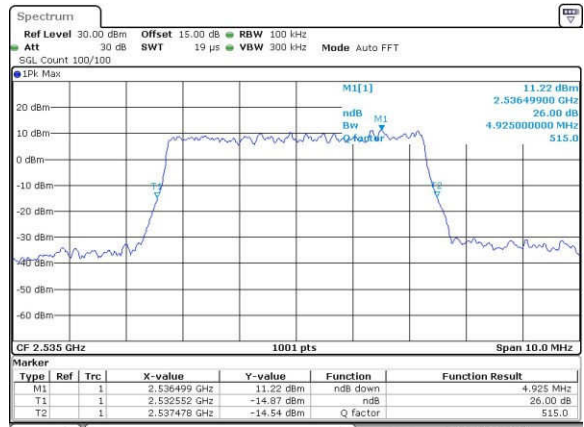
Date: 18_AUG_2017 11:01:05

Middle Channel / 5MHz / QPSK



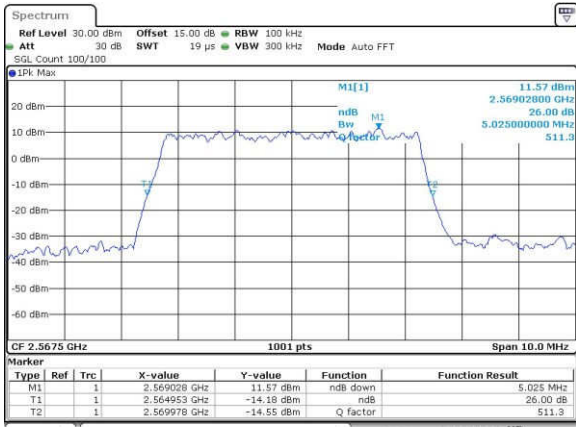
Date: 18_AUG_2017 11:08:05

Middle Channel / 5MHz / 16QAM



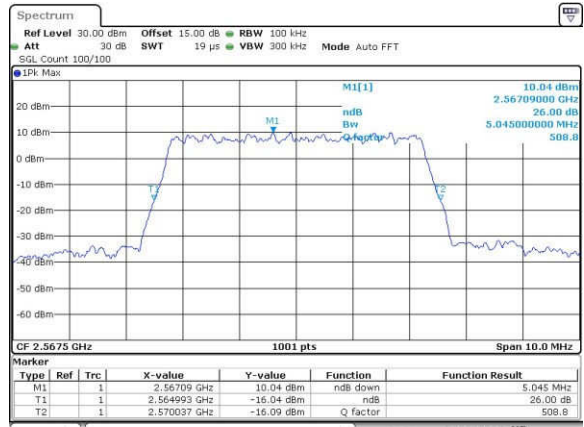
Date: 18_AUG_2017 11:08:15

Highest Channel / 5MHz / QPSK



Date: 18_AUG_2017 11:10:35

Highest Channel / 5MHz / 16QAM

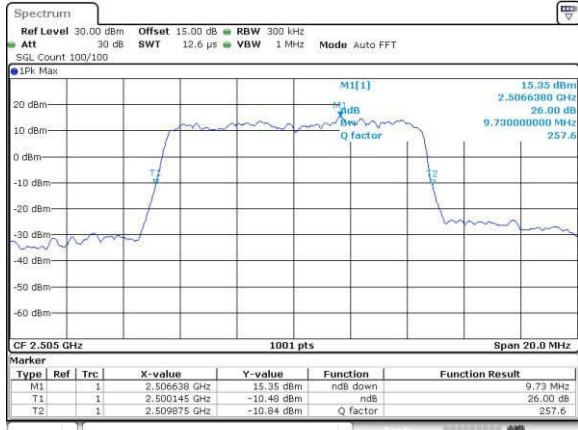


Date: 18_AUG_2017 11:10:45



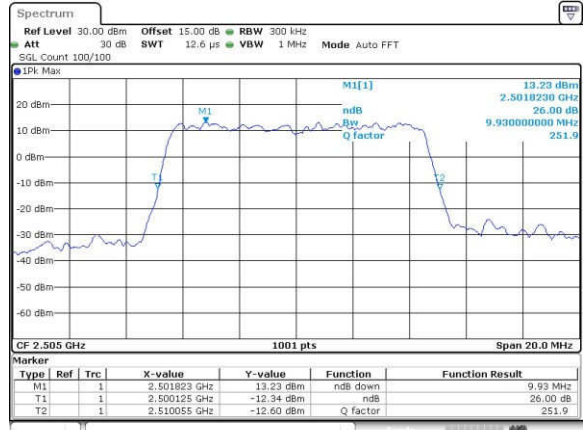
LTE Band 7

Lowest Channel / 10MHz / QPSK



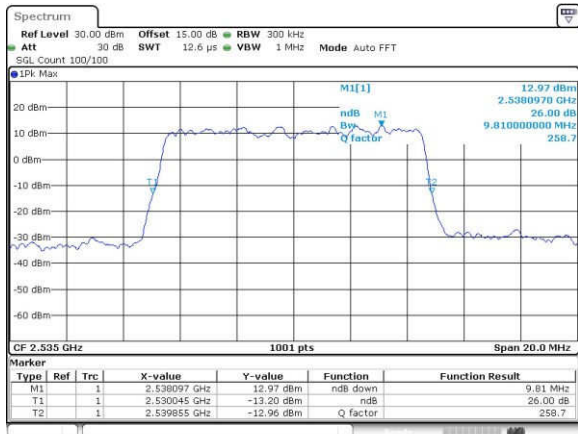
Date: 18_AUG_2017 11:17:47

Lowest Channel / 10MHz / 16QAM



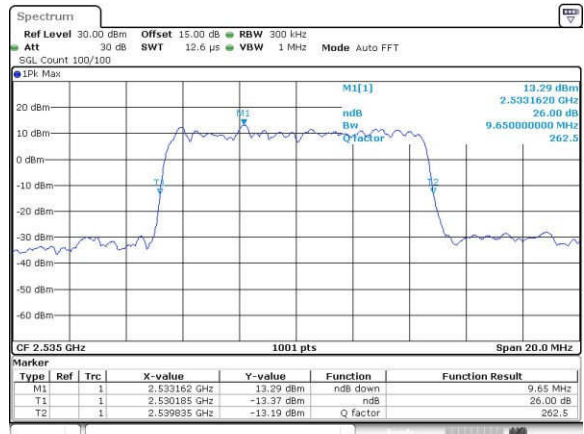
Date: 18_AUG_2017 11:17:57

Middle Channel / 10MHz / QPSK



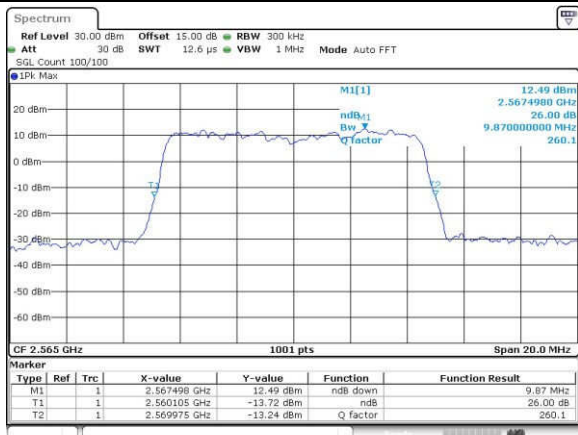
Date: 18_AUG_2017 11:24:56

Middle Channel / 10MHz / 16QAM



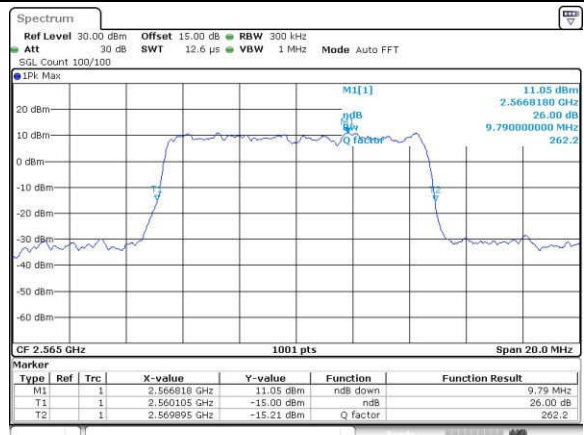
Date: 18_AUG_2017 11:25:06

Highest Channel / 10MHz / QPSK



Date: 18_AUG_2017 11:27:26

Highest Channel / 10MHz / 16QAM

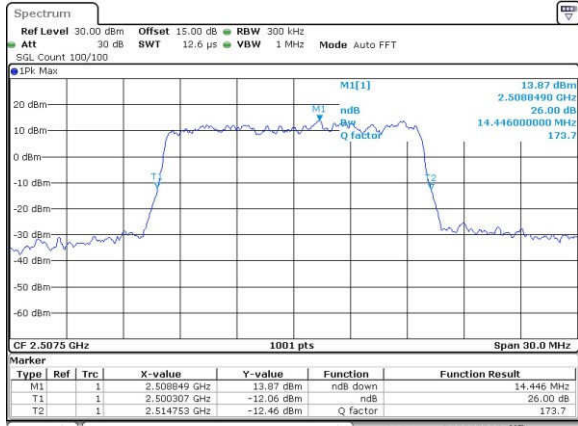


Date: 18_AUG_2017 11:27:36



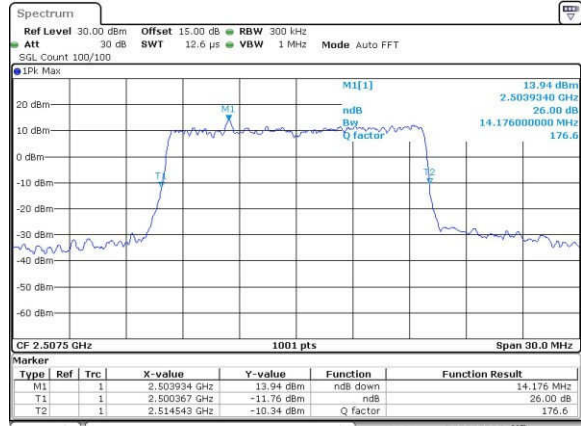
LTE Band 7

Lowest Channel / 15MHz / QPSK



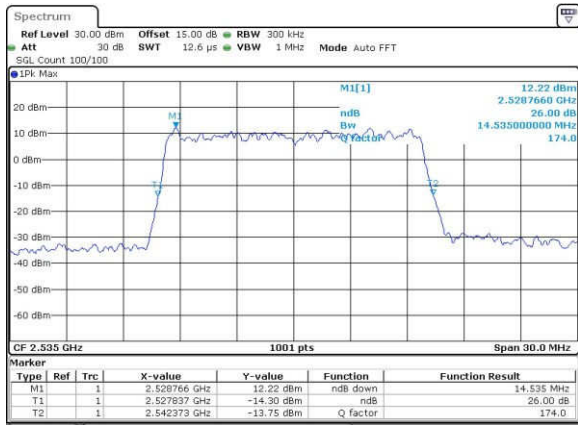
Date: 18, Aug, 2017 11:34:38

Lowest Channel / 15MHz / 16QAM



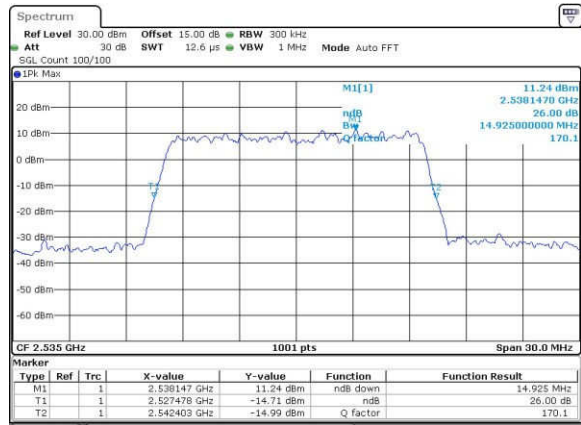
Date: 18, Aug, 2017 11:34:48

Middle Channel / 15MHz / QPSK



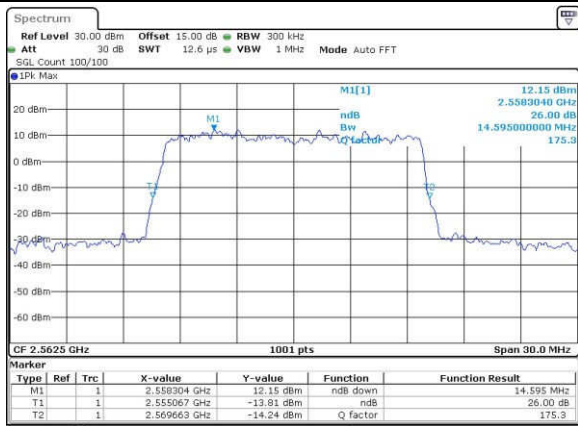
Date: 18, Aug, 2017 11:41:47

Middle Channel / 15MHz / 16QAM



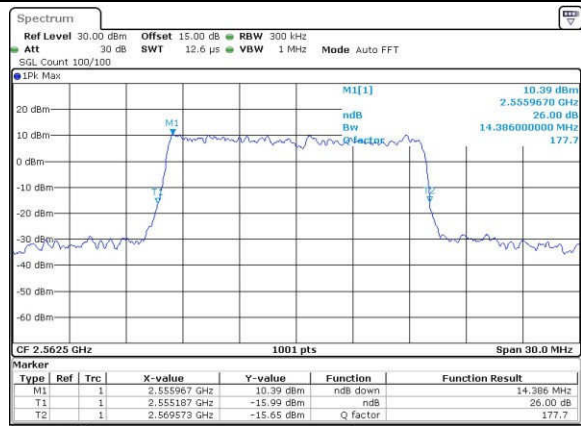
Date: 18, Aug, 2017 11:41:57

Highest Channel / 15MHz / QPSK



Date: 18, Aug, 2017 11:44:17

Highest Channel / 15MHz / 16QAM

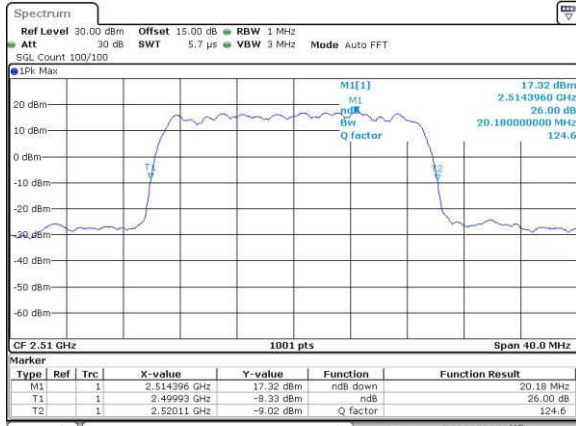


Date: 18, Aug, 2017 11:44:28



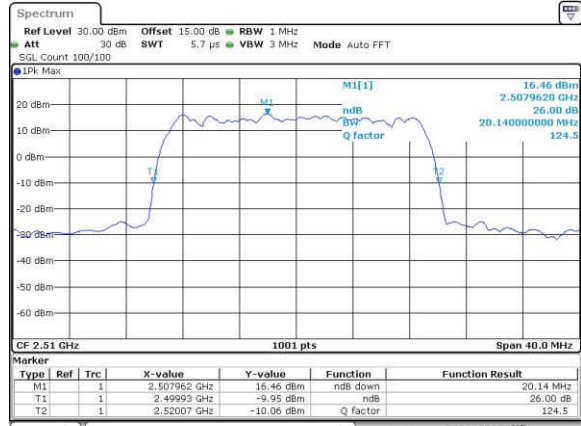
LTE Band 7

Lowest Channel / 20MHz / QPSK



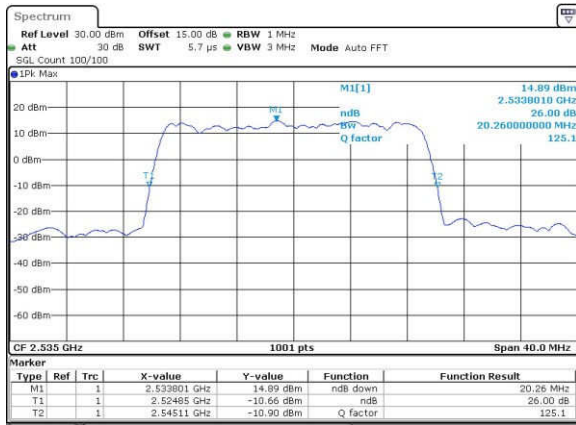
Date: 18_AUG_2017 11:51:29

Lowest Channel / 20MHz / 16QAM



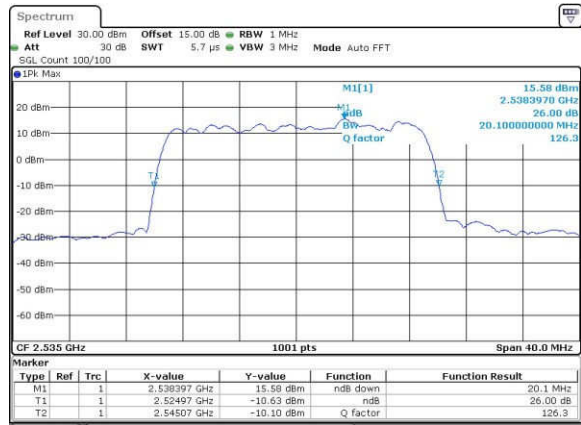
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Middle Channel / 20MHz / QPSK



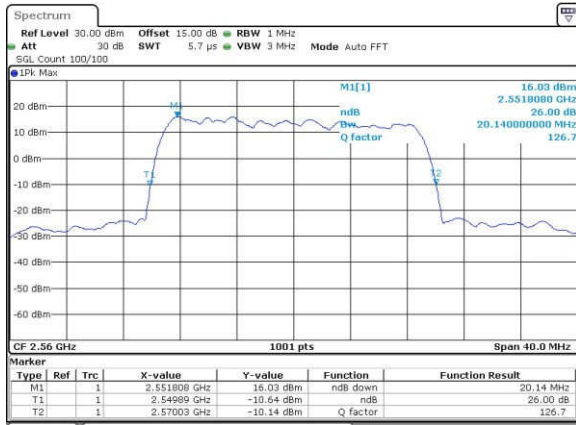
Date: 18_AUG_2017 11:58:38

Middle Channel / 20MHz / 16QAM



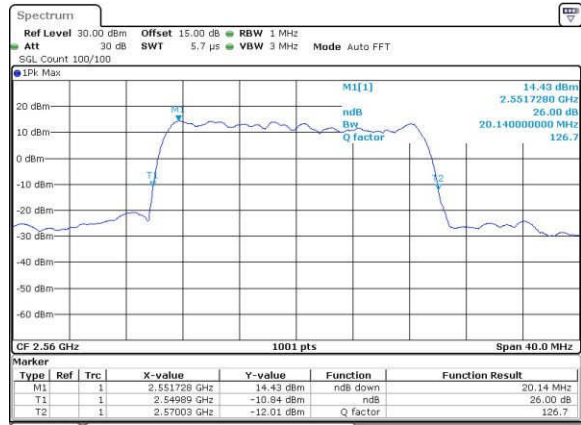
Date: 18_AUG_2017 11:58:48

Highest Channel / 20MHz / QPSK



Date: 18_AUG_2017 12:01:08

Highest Channel / 20MHz / 16QAM



Date: 18_AUG_2017 12:01:19



Occupied Bandwidth

| Mode | LTE Band 2 : 99%OBW(MHz) | | | | | | | | | | | |
|------------|--------------------------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | 1.10 | 1.10 | 2.71 | 2.73 | 4.49 | 4.49 | 8.99 | 9.01 | 13.46 | 13.46 | 18.42 | 18.46 |
| Middle CH | 1.09 | 1.09 | 2.71 | 2.71 | 4.50 | 4.51 | 9.01 | 8.99 | 13.52 | 13.43 | 18.34 | 18.34 |
| Highest CH | 1.09 | 1.09 | 2.73 | 2.71 | 4.52 | 4.52 | 9.01 | 9.03 | 13.46 | 13.40 | 18.42 | 18.42 |

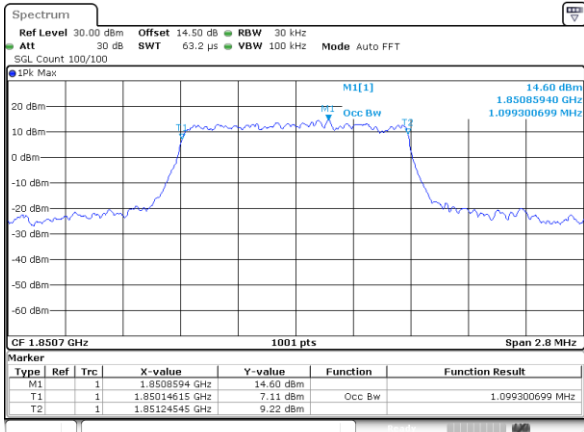
| Mode | LTE Band 4 : 99%OBW(MHz) | | | | | | | | | | | |
|------------|--------------------------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | 1.09 | 1.10 | 2.72 | 2.72 | 4.49 | 4.50 | 9.03 | 9.01 | 13.43 | 13.52 | 18.42 | 18.34 |
| Middle CH | 1.09 | 1.10 | 2.72 | 2.72 | 4.50 | 4.51 | 8.99 | 9.05 | 13.43 | 13.43 | 18.26 | 18.54 |
| Highest CH | 1.09 | 1.09 | 2.72 | 2.70 | 4.51 | 4.52 | 9.01 | 9.01 | 13.43 | 13.46 | 18.50 | 18.34 |

| Mode | LTE Band 7 : 99%OBW(MHz) | | | | | | | | | | | |
|------------|--------------------------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | - | - | - | - | 4.49 | 4.52 | 9.03 | 8.97 | 13.43 | 13.37 | 18.18 | 18.50 |
| Middle CH | - | - | - | - | 4.51 | 4.51 | 9.01 | 9.01 | 13.46 | 13.46 | 18.58 | 18.50 |
| Highest CH | - | - | - | - | 4.51 | 4.49 | 9.07 | 9.03 | 13.55 | 13.46 | 18.58 | 18.46 |



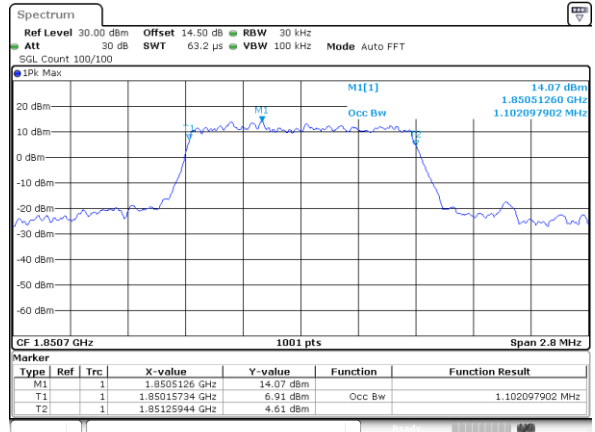
LTE Band 2

Lowest Channel / 1.4MHz / QPSK



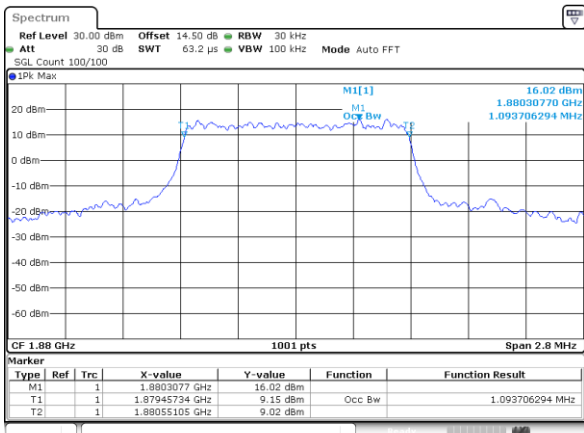
Date: 18.AUG.2017 06:54:17

Lowest Channel / 1.4MHz / 16QAM



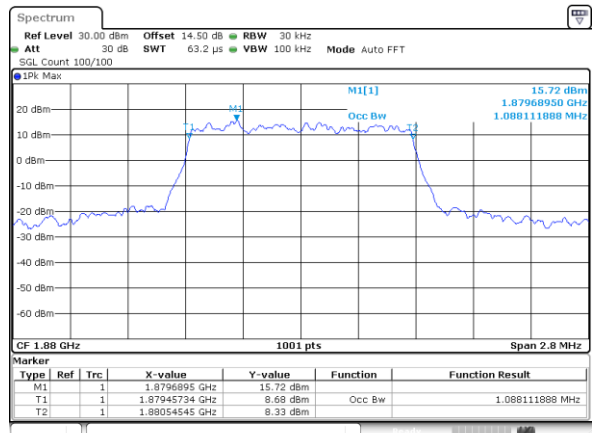
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Middle Channel / 1.4MHz / QPSK



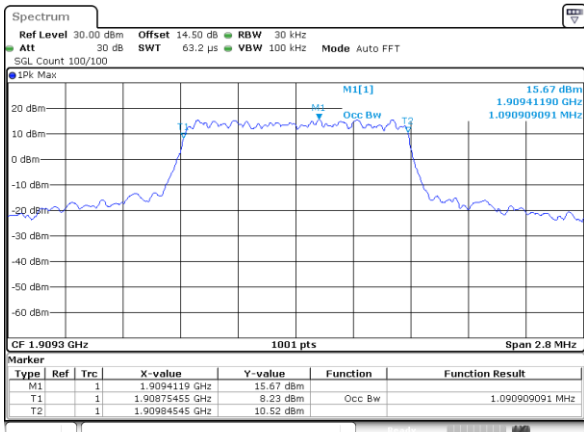
Date: 18.AUG.2017 07:01:29

Middle Channel / 1.4MHz / 16QAM



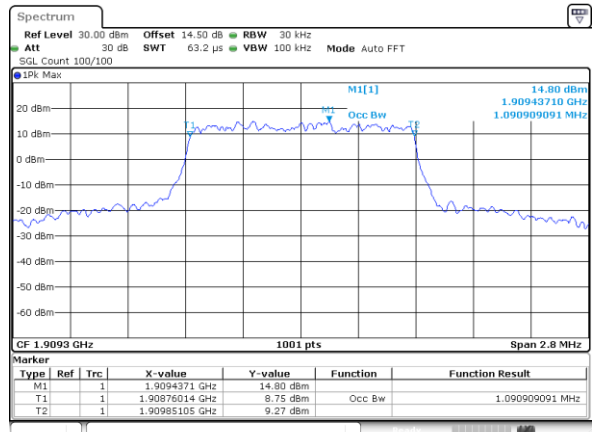
Date: 18.AUG.2017 07:01:36

Highest Channel / 1.4MHz / QPSK



Date: 18.AUG.2017 07:03:58

Highest Channel / 1.4MHz / 16QAM

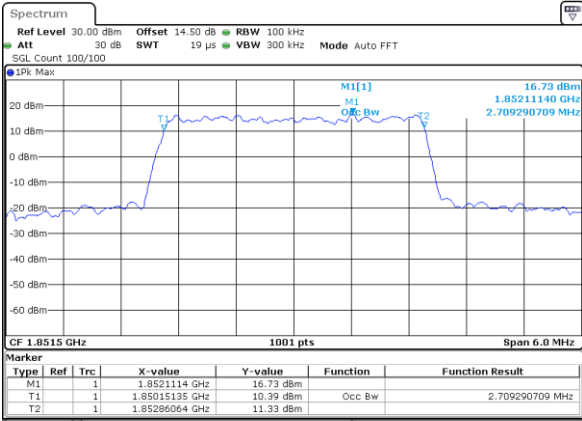


Date: 18.AUG.2017 07:04:08



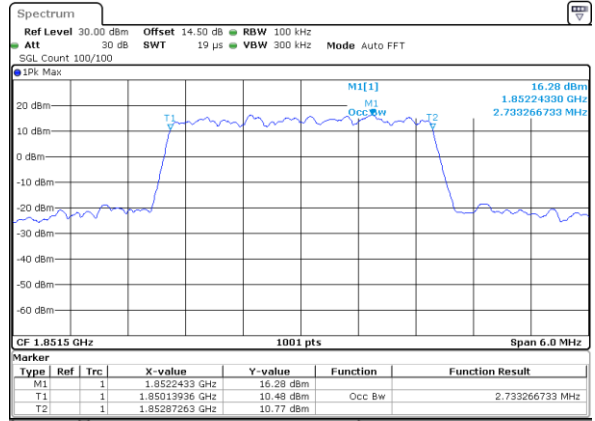
LTE Band 2

Lowest Channel / 3MHz / QPSK



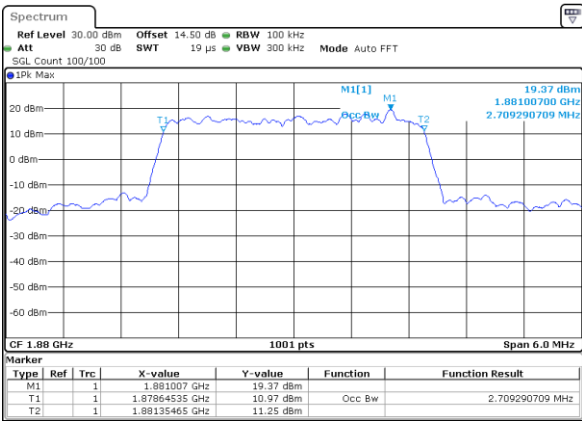
Date: 18.AUG.2017 07:11:09

Lowest Channel / 3MHz / 16QAM



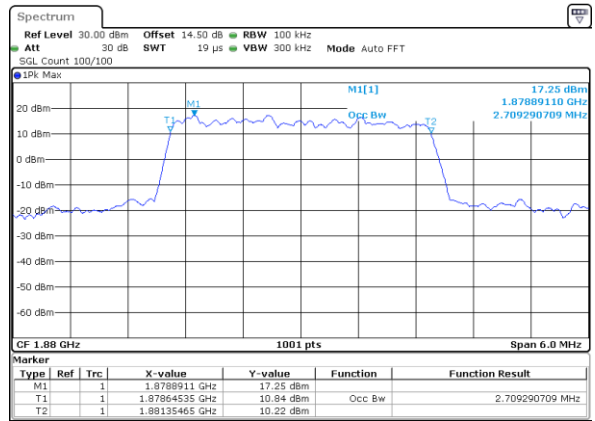
Date: 18.AUG.2017 07:11:19

Middle Channel / 3MHz / QPSK



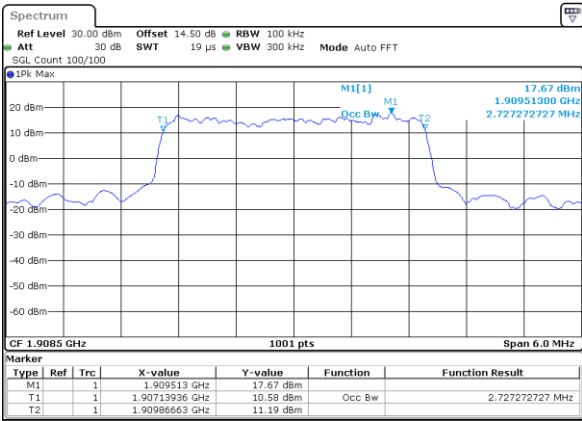
Date: 18.AUG.2017 07:18:19

Middle Channel / 3MHz / 16QAM



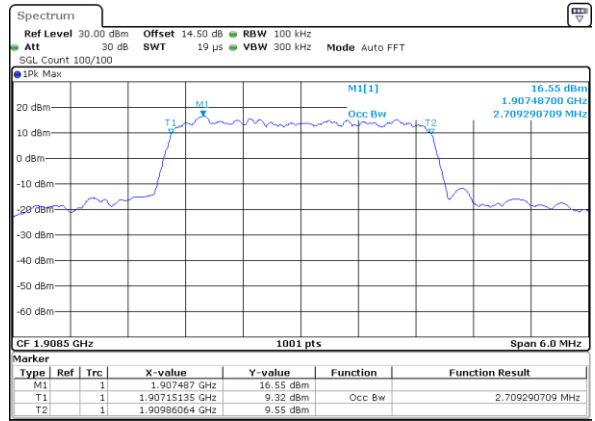
Date: 18.AUG.2017 07:18:29

Highest Channel / 3MHz / QPSK



Date: 18.AUG.2017 07:20:52

Highest Channel / 3MHz / 16QAM

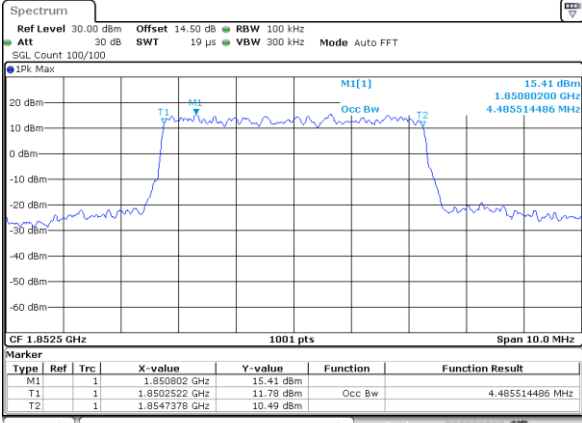


Date: 18.AUG.2017 07:21:02



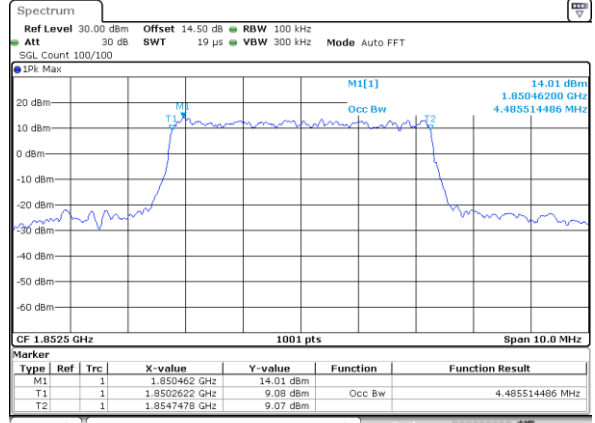
LTE Band 2

Lowest Channel / 5MHz / QPSK



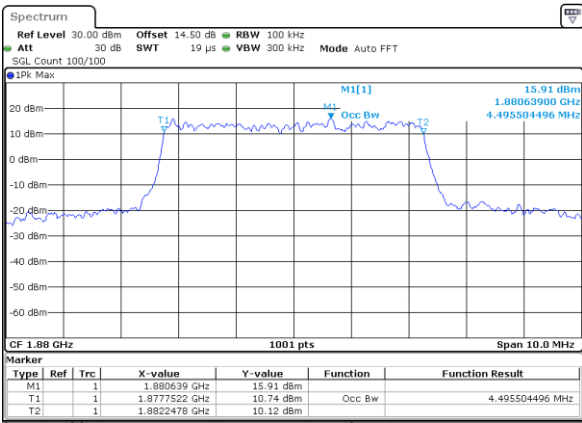
Date: 18.AUG.2017 07:28:03

Lowest Channel / 5MHz / 16QAM



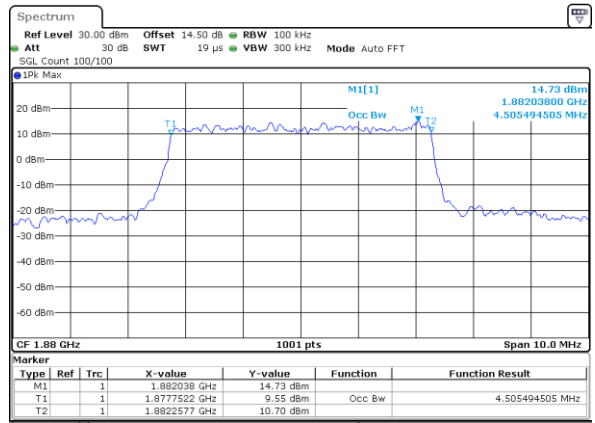
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Middle Channel / 5MHz / QPSK



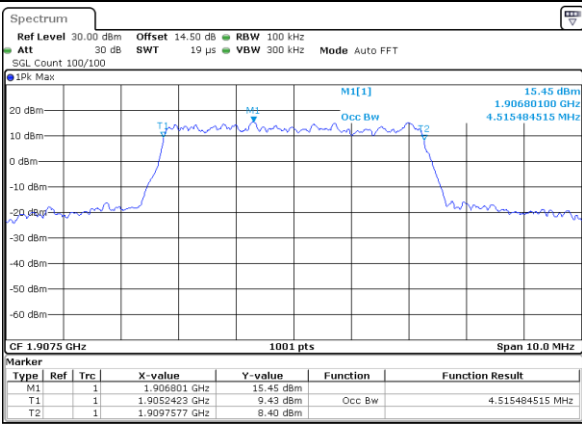
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Middle Channel / 5MHz / 16QAM



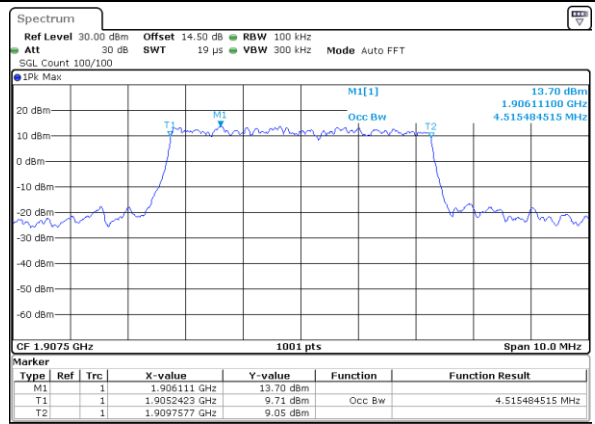
Date: 18.AUG.2017 07:35:24

Highest Channel / 5MHz / QPSK



Date: 18.AUG.2017 07:37:46

Highest Channel / 5MHz / 16QAM

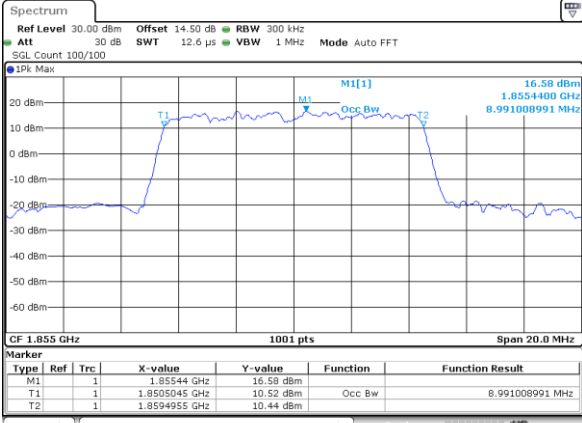


Date: 18.AUG.2017 07:37:56



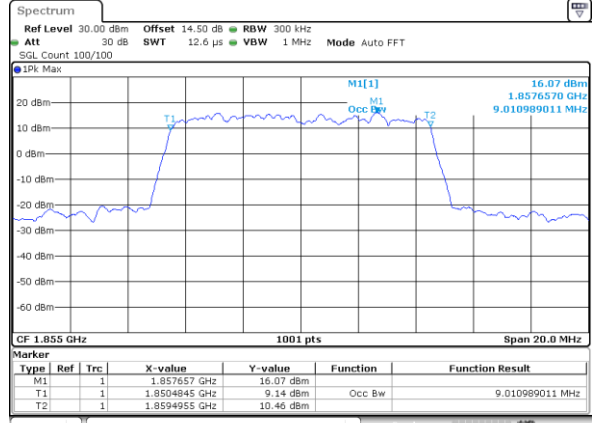
LTE Band 2

Lowest Channel / 10MHz / QPSK



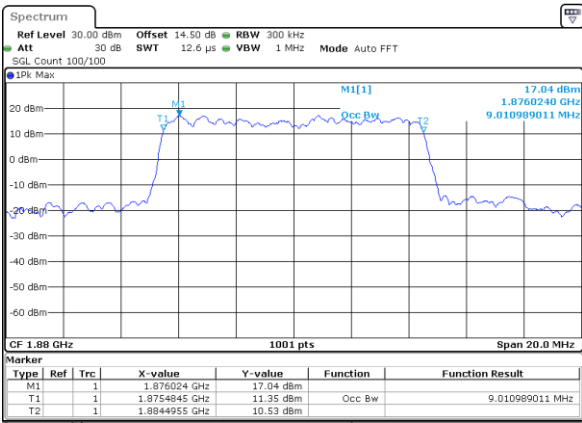
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Lowest Channel / 10MHz / 16QAM



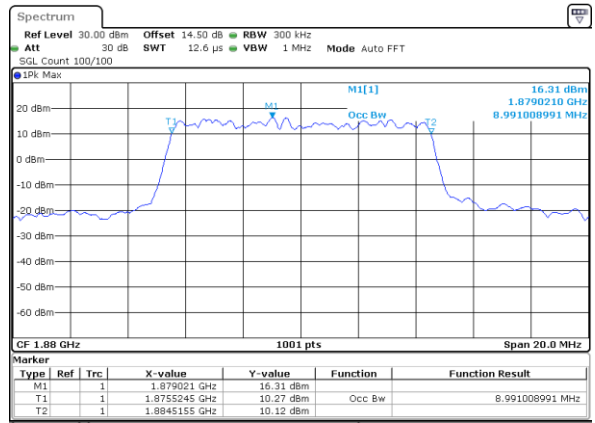
Date: 18.AUG.2017 07:45:06

Middle Channel / 10MHz / QPSK



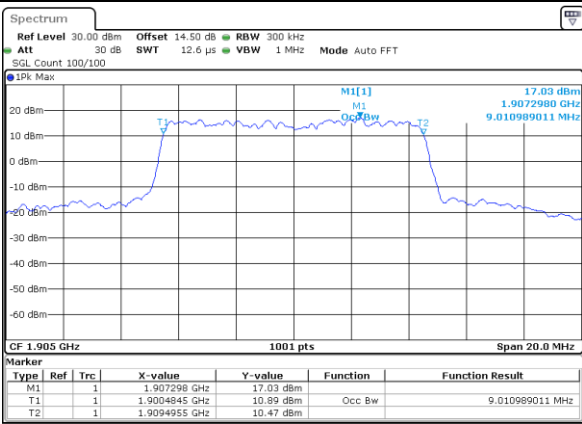
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Middle Channel / 10MHz / 16QAM



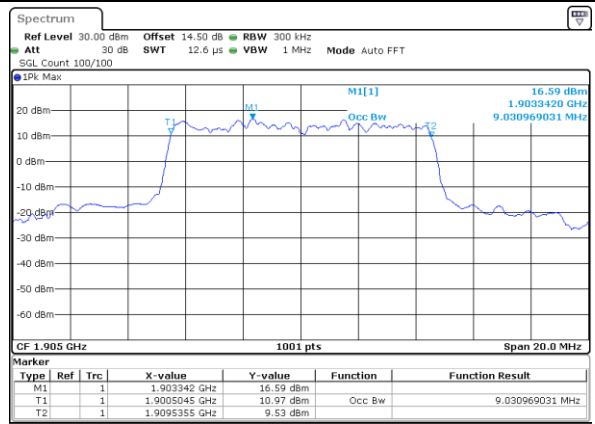
Date: 18.AUG.2017 07:52:17

Highest Channel / 10MHz / QPSK



Date: 18.AUG.2017 07:54:39

Highest Channel / 10MHz / 16QAM

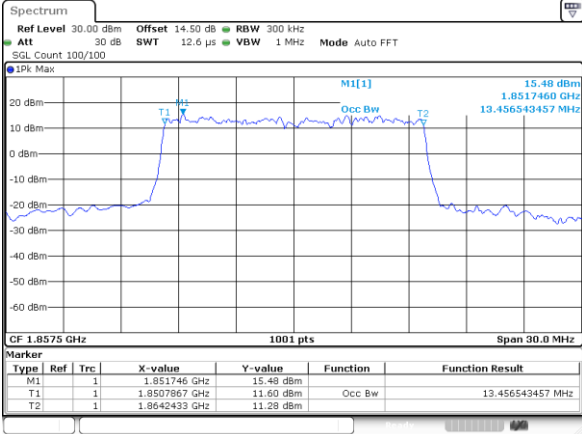


Date: 18.AUG.2017 07:54:49



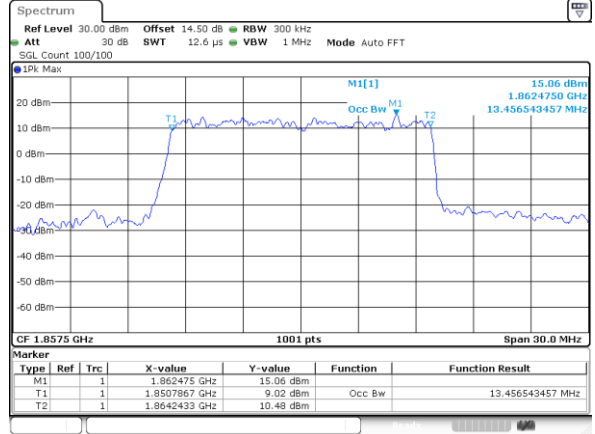
LTE Band 2

Lowest Channel / 15MHz / QPSK



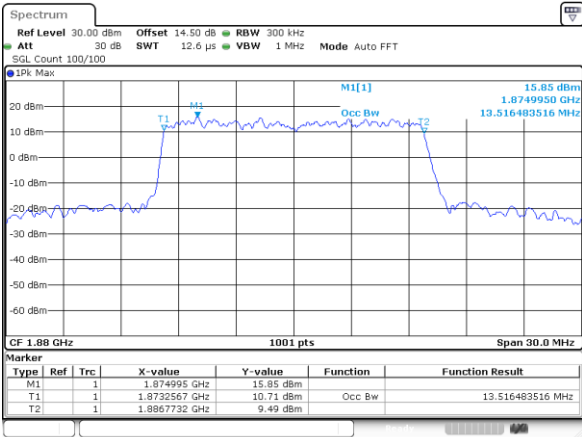
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Lowest Channel / 15MHz / 16QAM



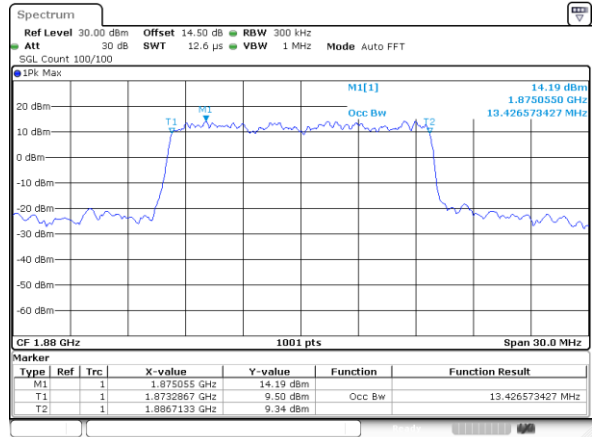
Date: 18.AUG.2017 08:01:59

Middle Channel / 15MHz / QPSK



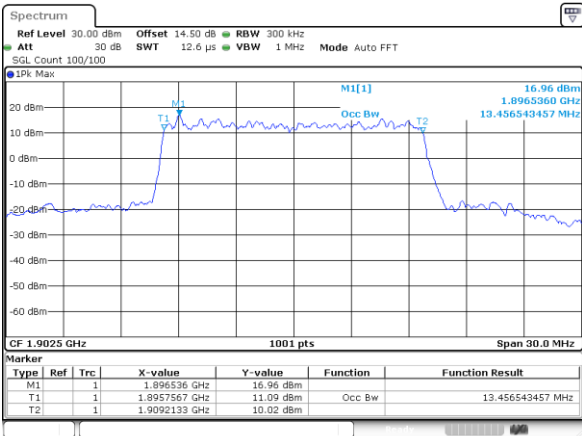
Date: 18.AUG.2017 08:09:00

Middle Channel / 15MHz / 16QAM



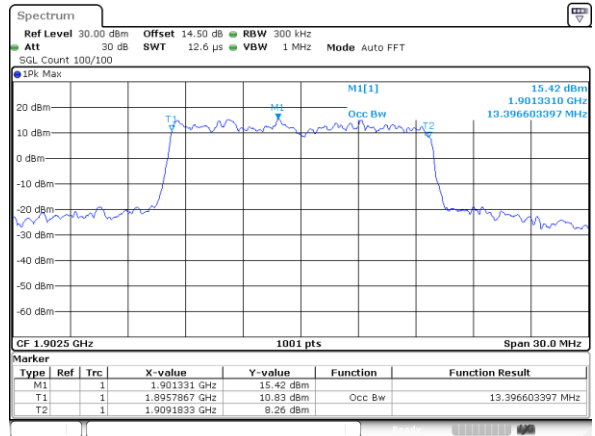
Date: 18.AUG.2017 08:09:10

Highest Channel / 15MHz / QPSK



Date: 18.AUG.2017 08:11:33

Highest Channel / 15MHz / 16QAM

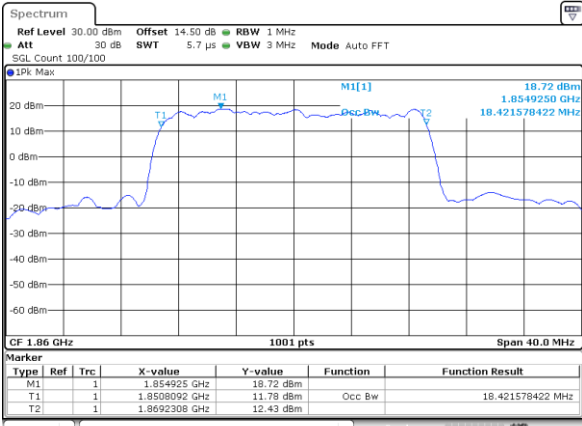


Date: 18.AUG.2017 08:11:43



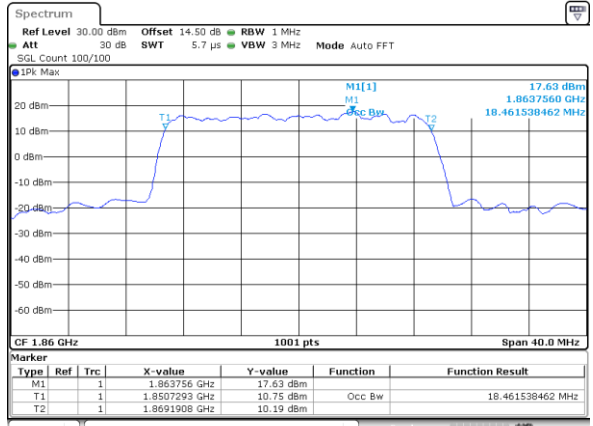
LTE Band 2

Lowest Channel / 20MHz / QPSK



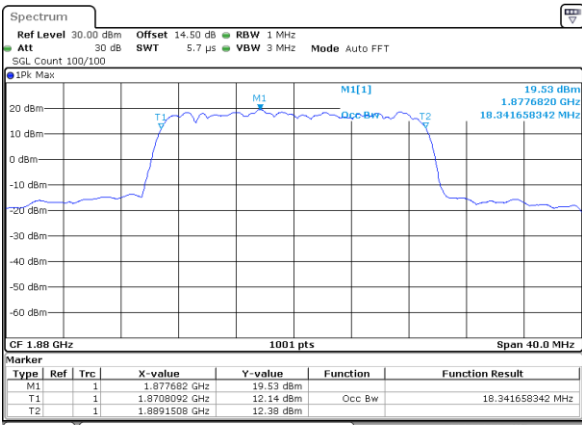
Date: 18.AUG.2017 08:18:43

Lowest Channel / 20MHz / 16QAM



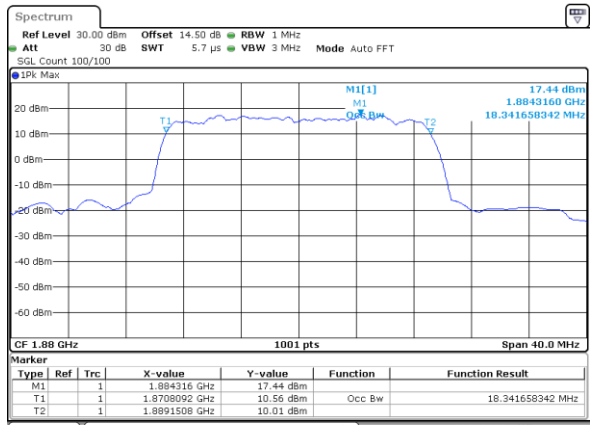
Date: 18.AUG.2017 08:18:54

Middle Channel / 20MHz / QPSK



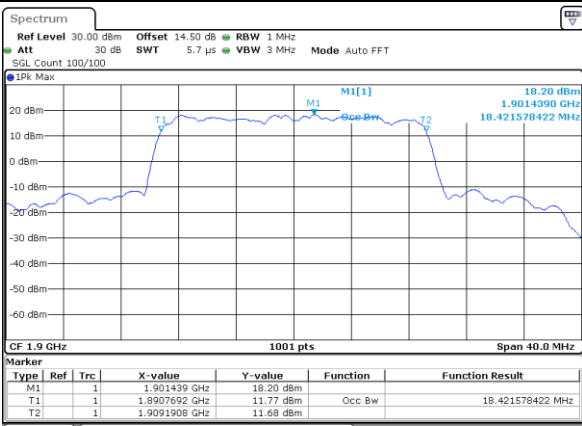
Date: 18.AUG.2017 08:25:54

Middle Channel / 20MHz / 16QAM



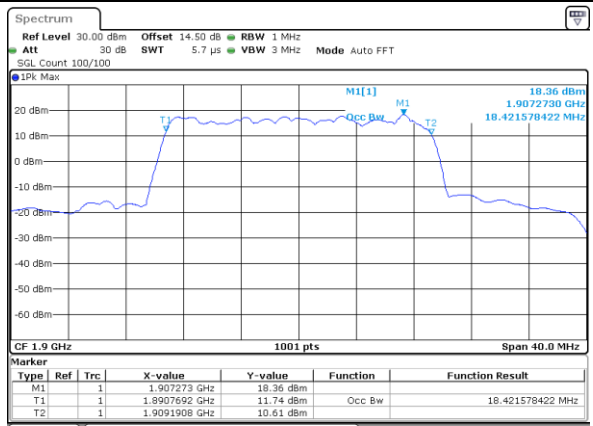
Date: 18.AUG.2017 08:26:05

Highest Channel / 20MHz / QPSK



Date: 18.AUG.2017 08:28:27

Highest Channel / 20MHz / 16QAM

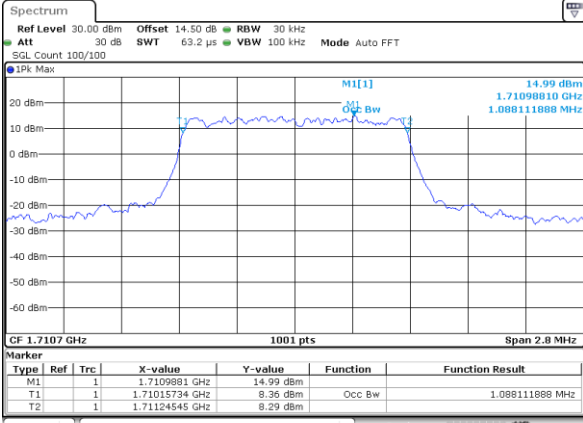


Date: 18.AUG.2017 08:28:37



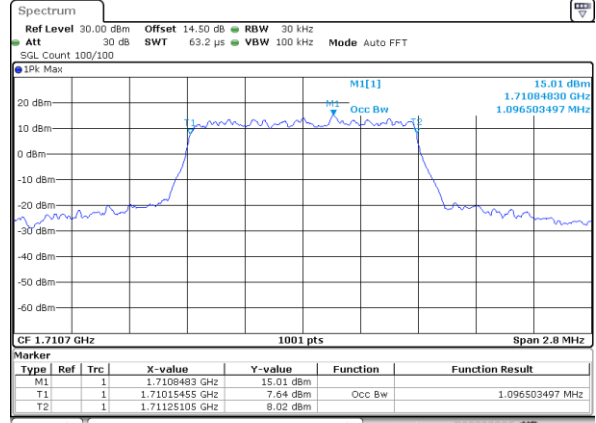
LTE Band 4

Lowest Channel / 1.4MHz / QPSK



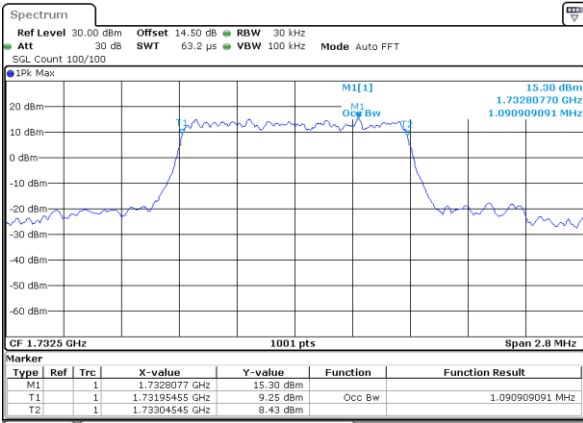
Date: 17_AUG.2017 11:02:58

Lowest Channel / 1.4MHz / 16QAM



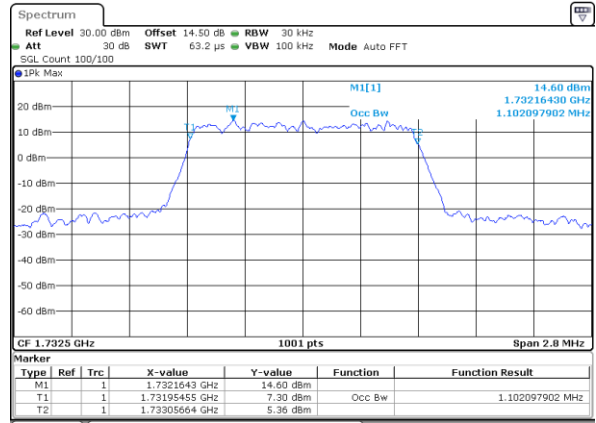
Date: 17_AUG.2017 11:03:09

Middle Channel / 1.4MHz / QPSK



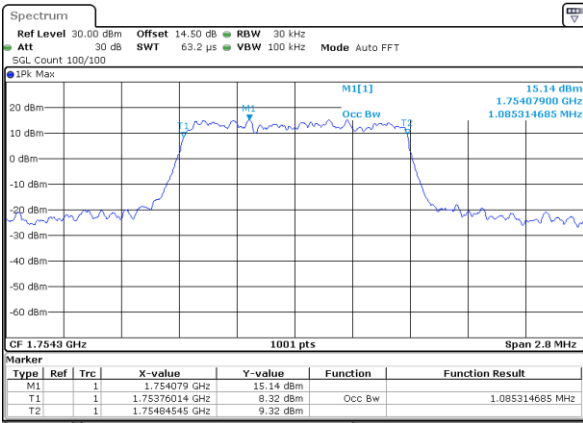
Date: 17_AUG.2017 11:56:37

Middle Channel / 1.4MHz / 16QAM



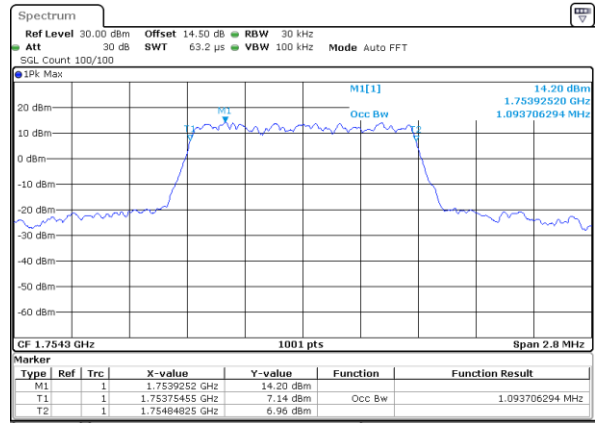
Date: 17_AUG.2017 11:56:48

Highest Channel / 1.4MHz / QPSK



Date: 17_AUG.2017 11:59:08

Highest Channel / 1.4MHz / 16QAM

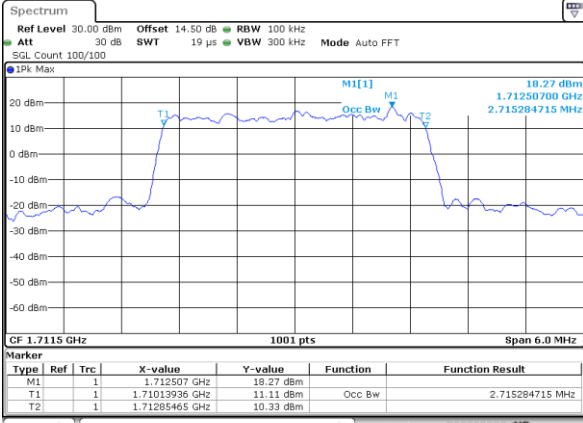


Date: 17_AUG.2017 11:59:18



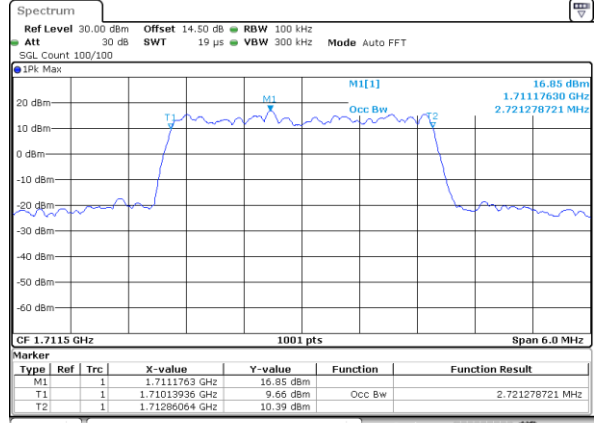
LTE Band 4

Lowest Channel / 3MHz / QPSK



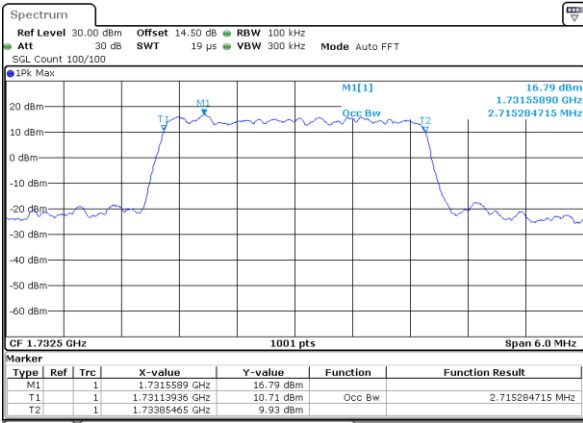
Date: 17_AUG.2017 12:10:15

Lowest Channel / 3MHz / 16QAM



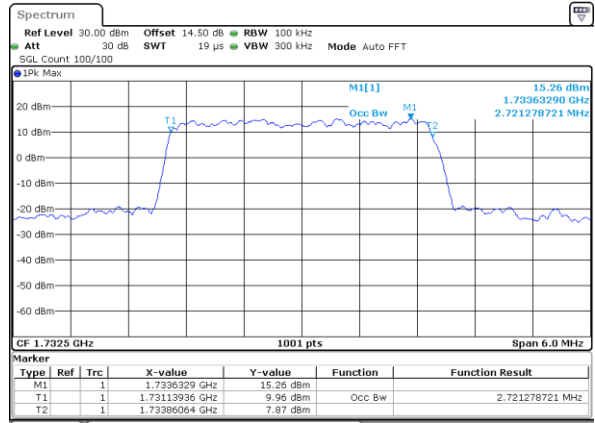
Date: 17_AUG.2017 12:10:125

Middle Channel / 3MHz / QPSK



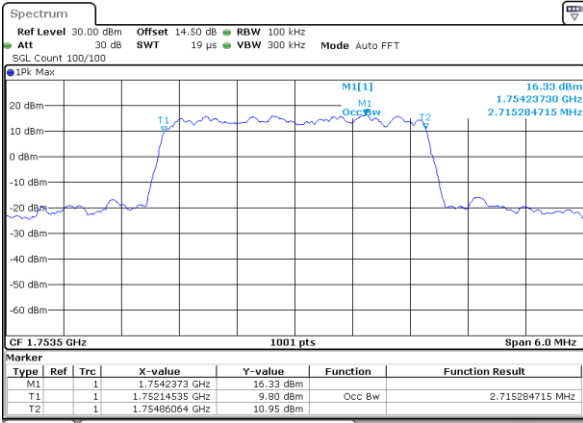
Date: 17_AUG.2017 12:14:09

Middle Channel / 3MHz / 16QAM



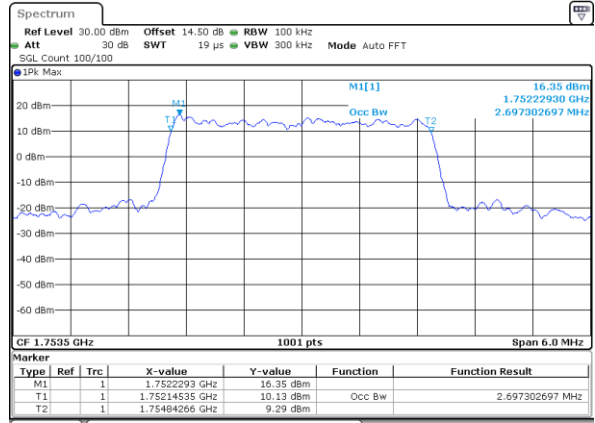
Date: 17_AUG.2017 12:14:120

Highest Channel / 3MHz / QPSK



Date: 17_AUG.2017 12:16:41

Highest Channel / 3MHz / 16QAM

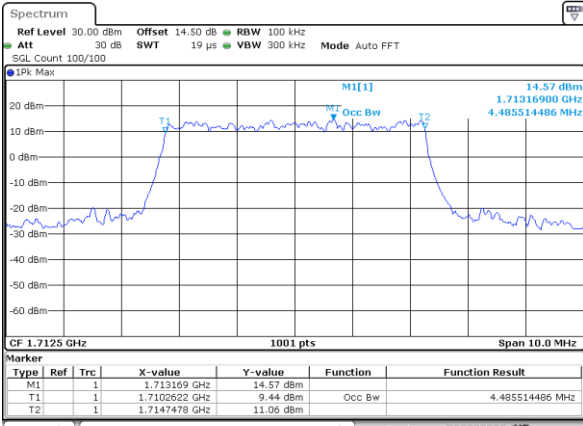


Date: 17_AUG.2017 12:16:51



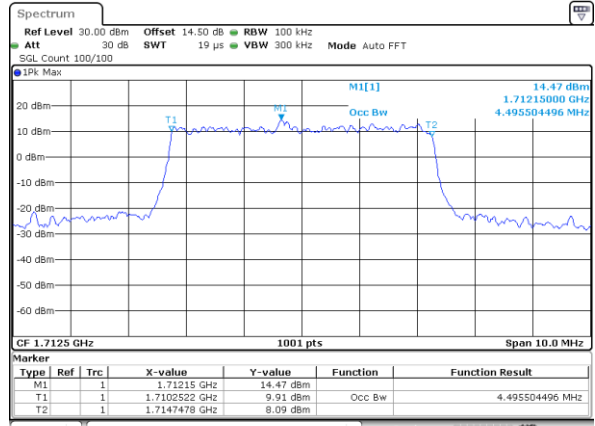
LTE Band 4

Lowest Channel / 5MHz / QPSK



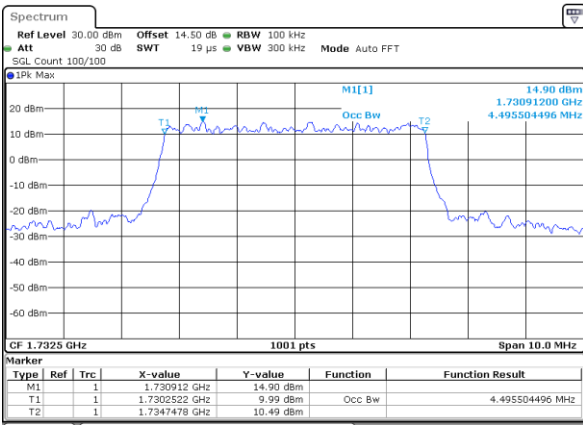
Date: 17_AUG.2017 12:23:47

Lowest Channel / 5MHz / 16QAM



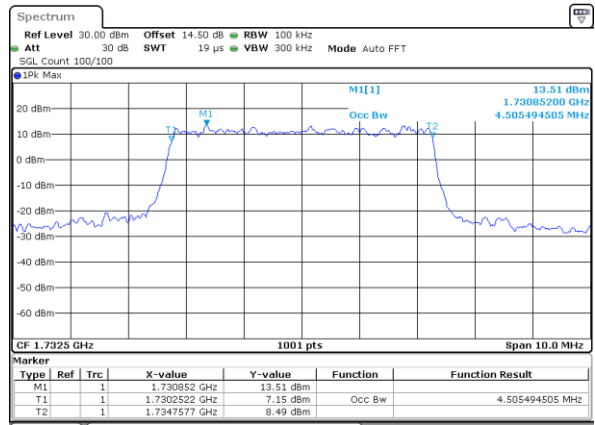
Date: 17_AUG.2017 12:23:58

Middle Channel / 5MHz / QPSK



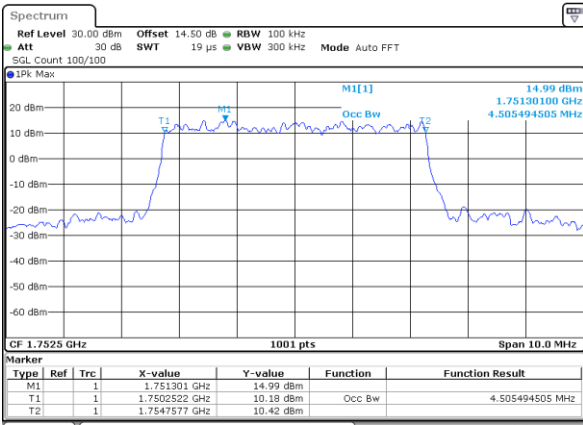
Date: 17_AUG.2017 12:30:54

Middle Channel / 5MHz / 16QAM



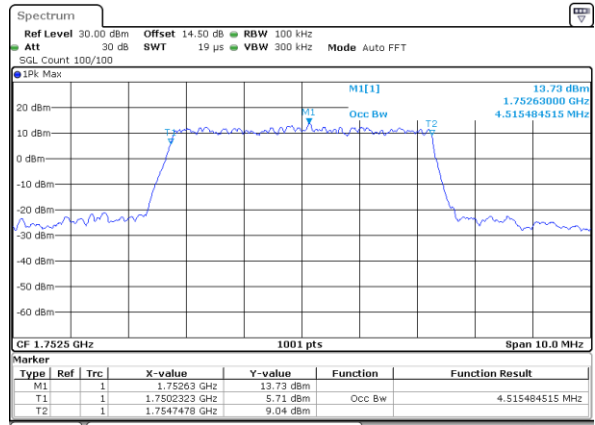
Date: 17_AUG.2017 12:31:04

Highest Channel / 5MHz / QPSK



Date: 17_AUG.2017 12:33:25

Highest Channel / 5MHz / 16QAM

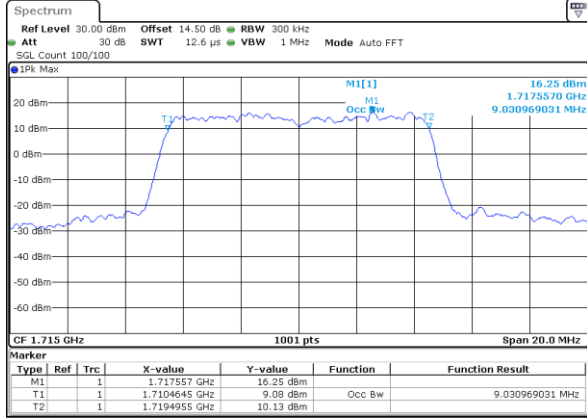


Date: 17_AUG.2017 12:33:35



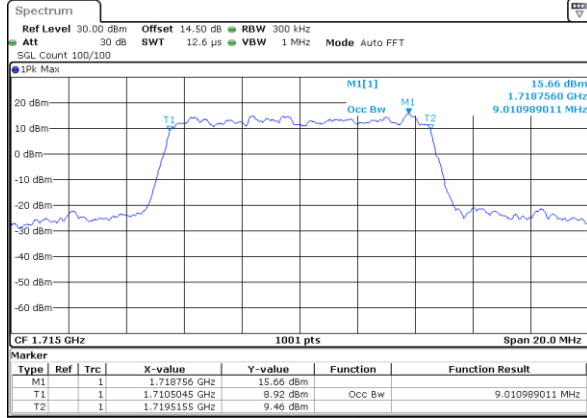
LTE Band 4

Lowest Channel / 10MHz / QPSK



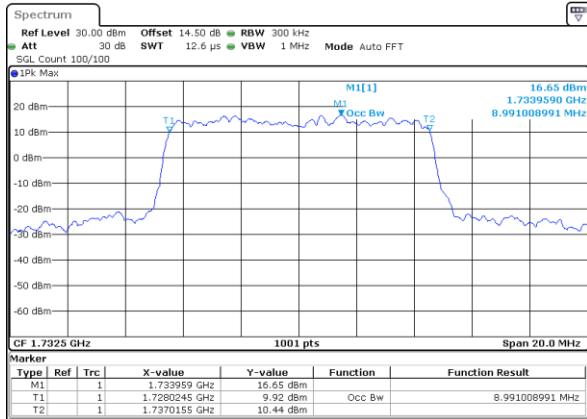
Date: 17_AUG.2017 12:40:32

Lowest Channel / 10MHz / 16QAM



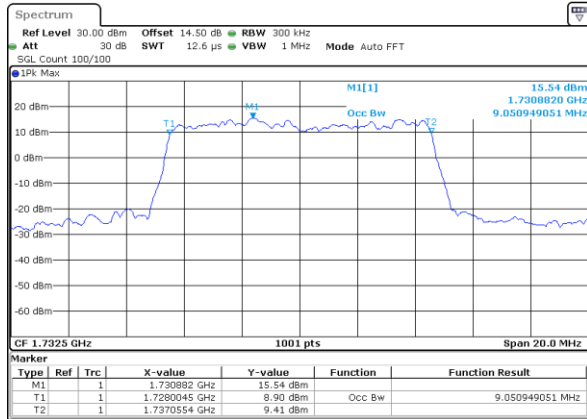
Date: 17_AUG.2017 12:40:43

Middle Channel / 10MHz / QPSK



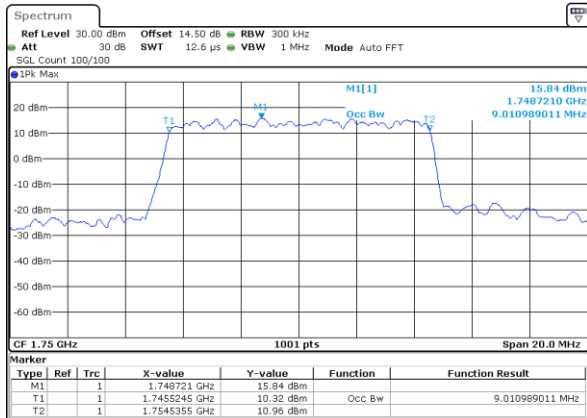
Date: 17_AUG.2017 12:47:40

Middle Channel / 10MHz / 16QAM



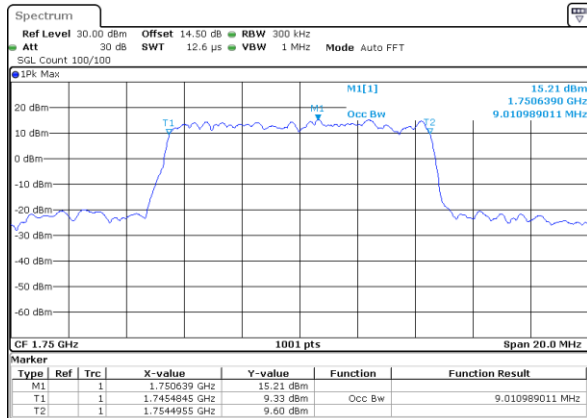
Date: 17_AUG.2017 12:47:51

Highest Channel / 10MHz / QPSK



Date: 17_AUG.2017 12:50:12

Highest Channel / 10MHz / 16QAM

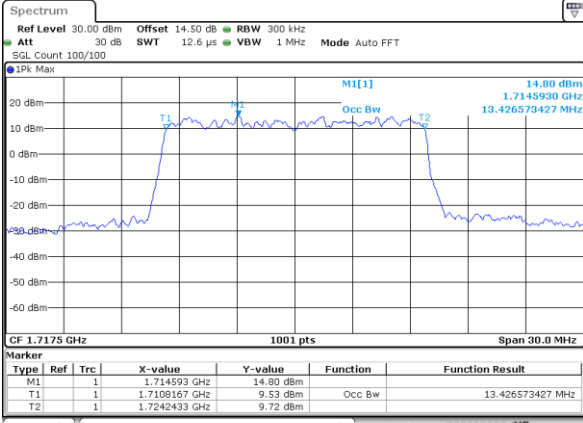


Date: 17_AUG.2017 12:50:23



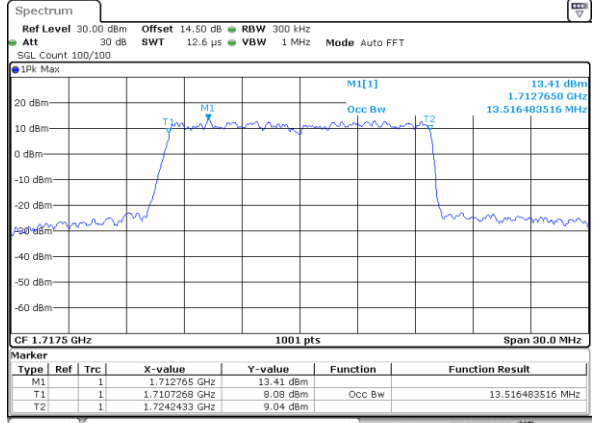
LTE Band 4

Lowest Channel / 15MHz / QPSK



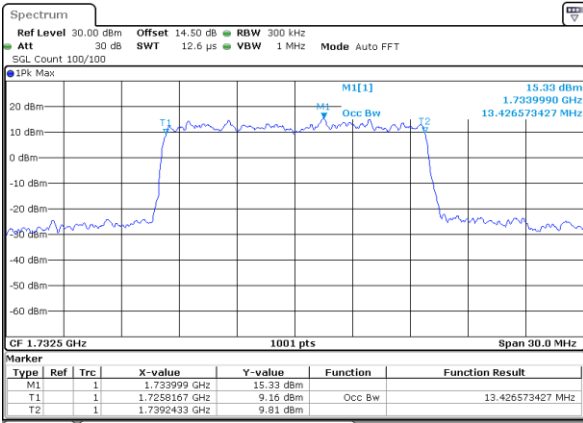
Date: 17_AUG.2017 12:57:19

Lowest Channel / 15MHz / 16QAM



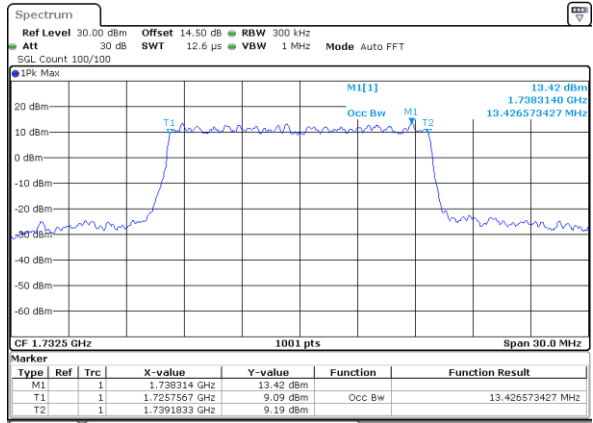
Date: 17_AUG.2017 12:57:30

Middle Channel / 15MHz / QPSK



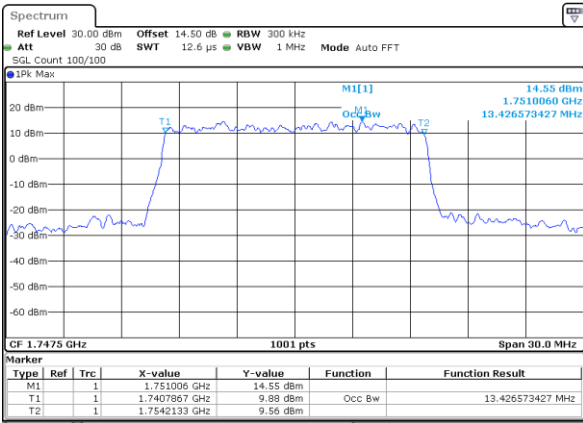
Date: 17_AUG.2017 13:04:26

Middle Channel / 15MHz / 16QAM



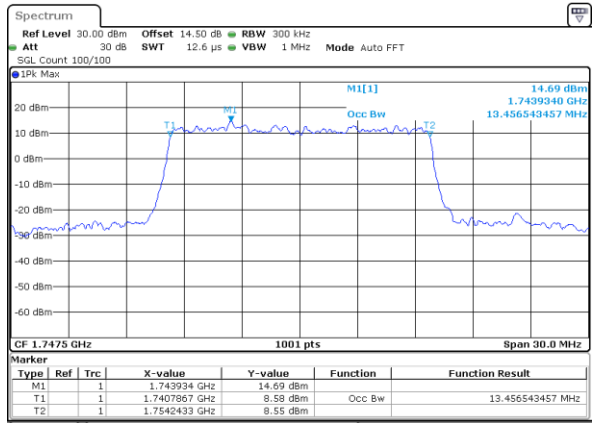
Date: 17_AUG.2017 13:04:37

Highest Channel / 15MHz / QPSK



Date: 17_AUG.2017 13:06:59

Highest Channel / 15MHz / 16QAM

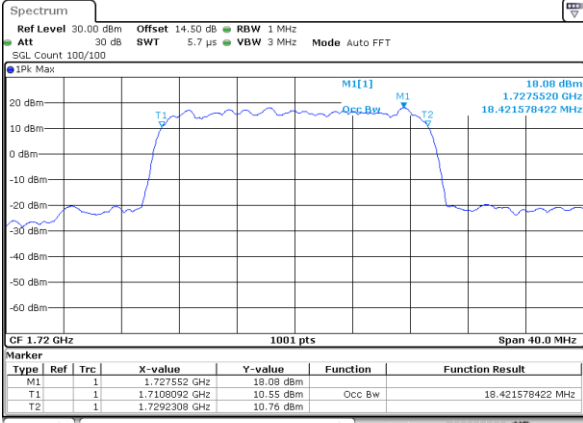


Date: 17_AUG.2017 13:07:09



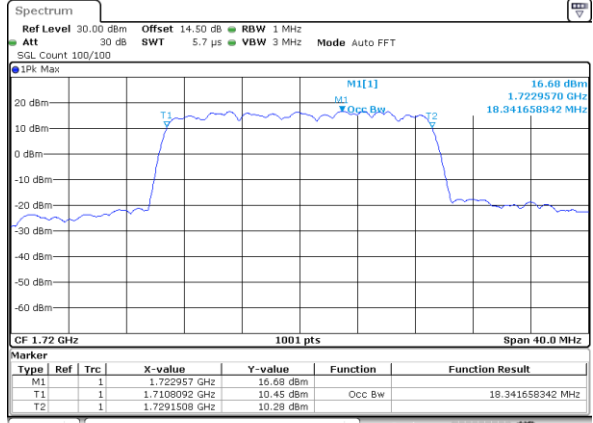
LTE Band 4

Lowest Channel / 20MHz / QPSK



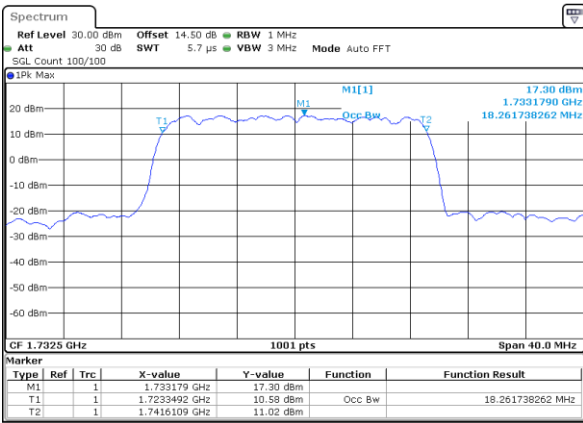
Date: 17_AUG.2017 13:14:06

Lowest Channel / 20MHz / 16QAM



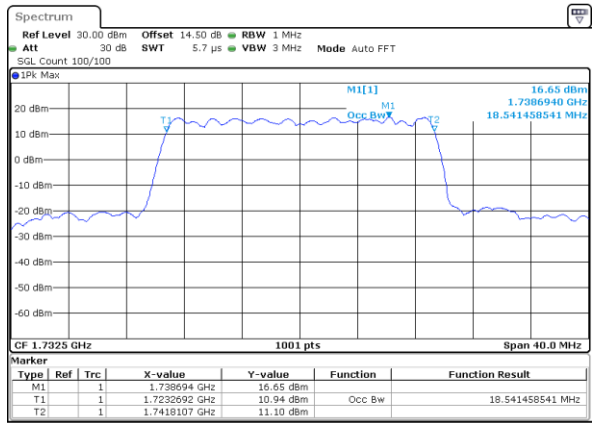
Date: 17_AUG.2017 13:14:16

Middle Channel / 20MHz / QPSK



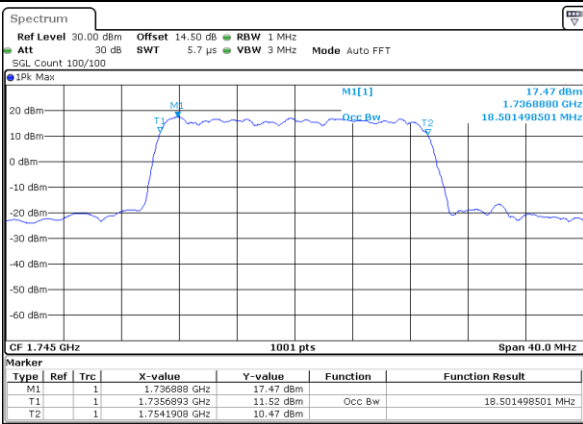
Date: 17_AUG.2017 13:21:12

Middle Channel / 20MHz / 16QAM



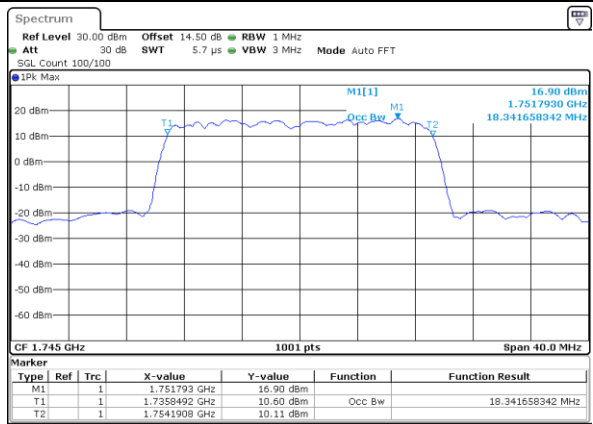
Date: 17_AUG.2017 13:21:23

Highest Channel / 20MHz / QPSK



Date: 17_AUG.2017 13:23:43

Highest Channel / 20MHz / 16QAM

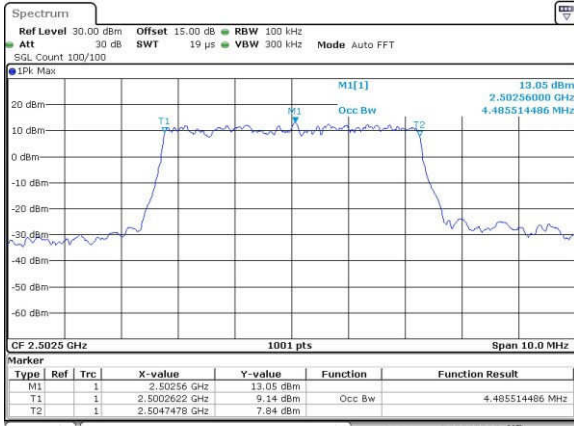


Date: 17_AUG.2017 13:23:54



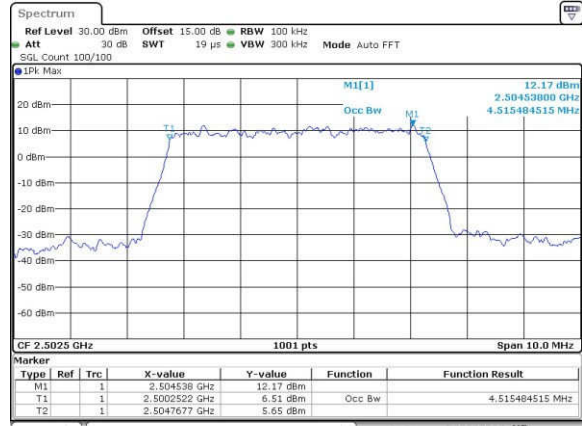
LTE Band 7

Lowest Channel / 5MHz / QPSK



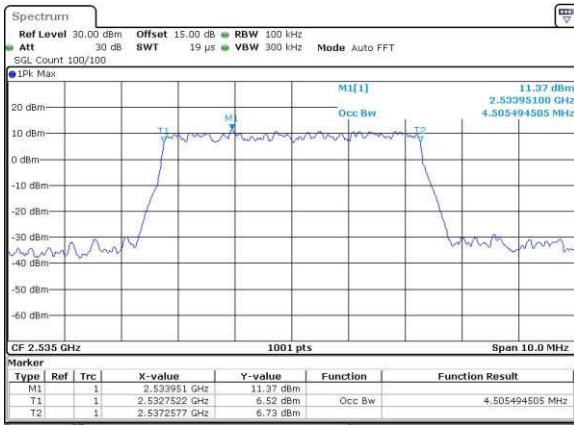
Date: 18_AUG_2017 11:00:34

Lowest Channel / 5MHz / 16QAM



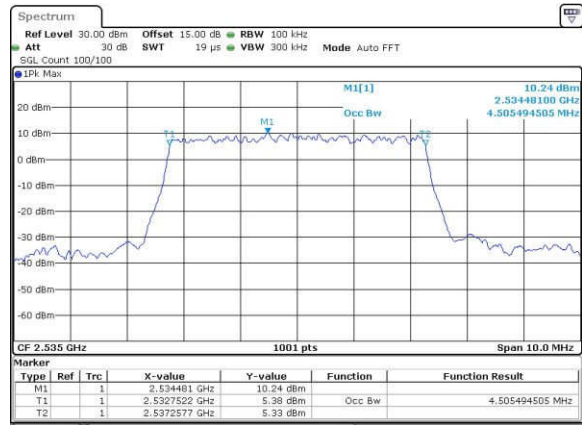
Date: 18_AUG_2017 11:00:44

Middle Channel / 5MHz / QPSK



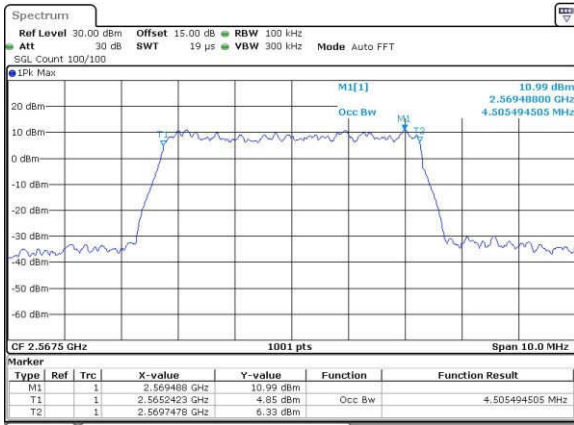
Date: 18_AUG_2017 11:07:44

Middle Channel / 5MHz / 16QAM



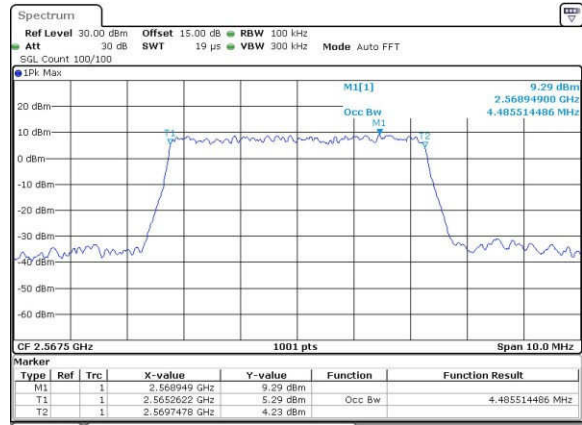
Date: 18_AUG_2017 11:07:54

Highest Channel / 5MHz / QPSK



Date: 18_AUG_2017 11:10:14

Highest Channel / 5MHz / 16QAM

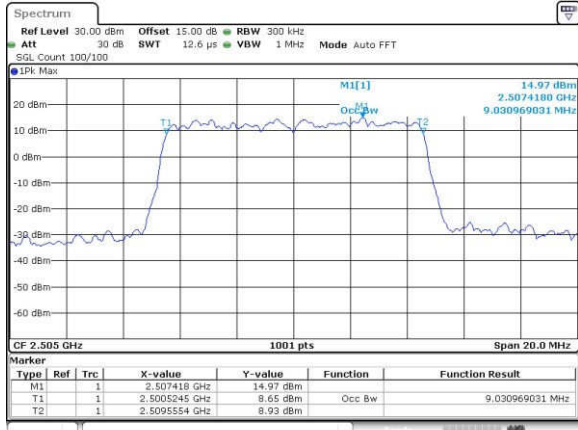


Date: 18_AUG_2017 11:10:25



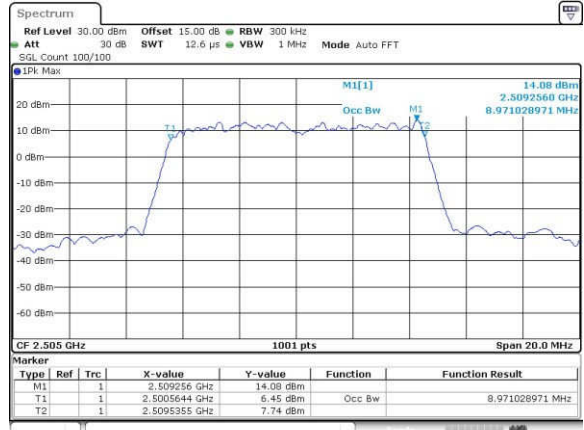
LTE Band 7

Lowest Channel / 10MHz / QPSK



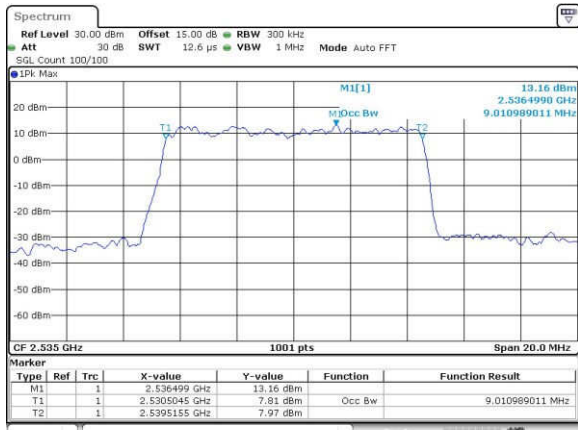
Date: 18, Aug, 2017 11:17:26

Lowest Channel / 10MHz / 16QAM



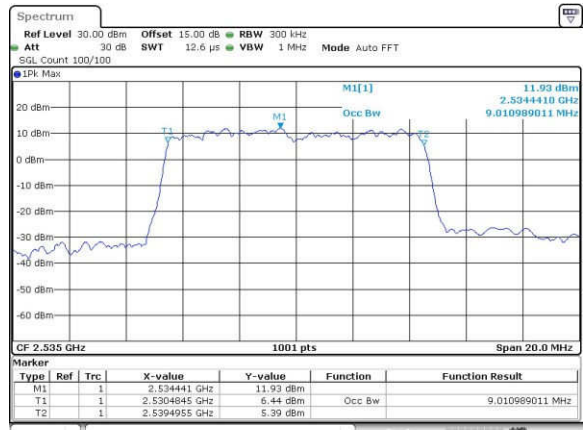
Date: 18, Aug, 2017 11:17:36

Middle Channel / 10MHz / QPSK



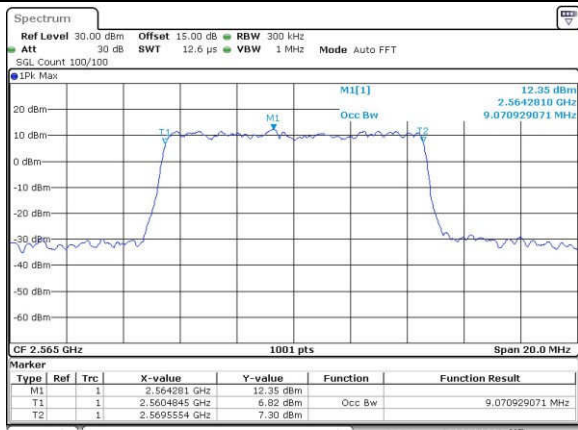
Date: 18, Aug, 2017 11:24:35

Middle Channel / 10MHz / 16QAM



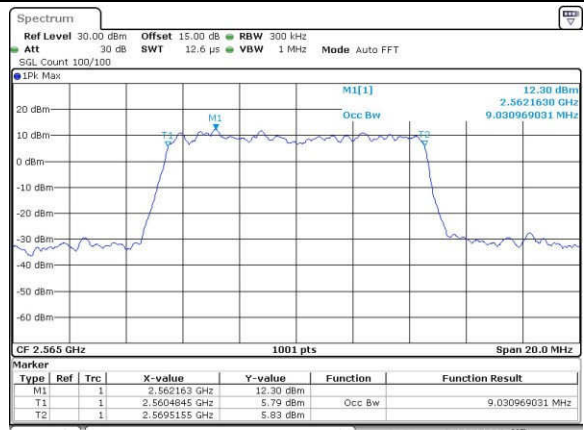
Date: 18, Aug, 2017 11:24:45

Highest Channel / 10MHz / QPSK



Date: 18, Aug, 2017 11:27:09

Highest Channel / 10MHz / 16QAM



Date: 18, Aug, 2017 11:27:16