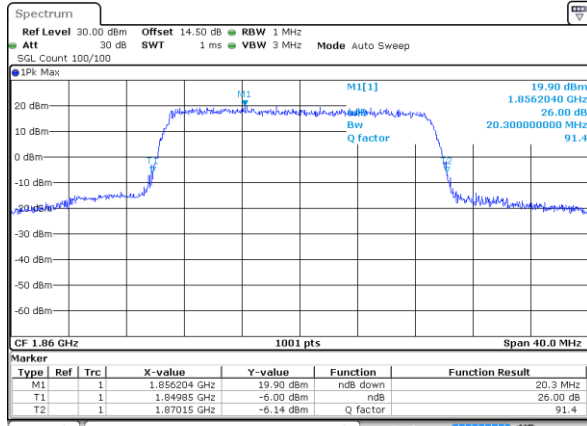




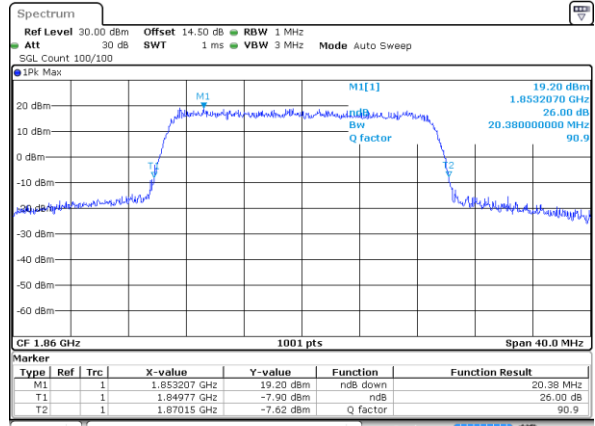
## LTE Band 2

## Lowest Channel / 20MHz / QPSK



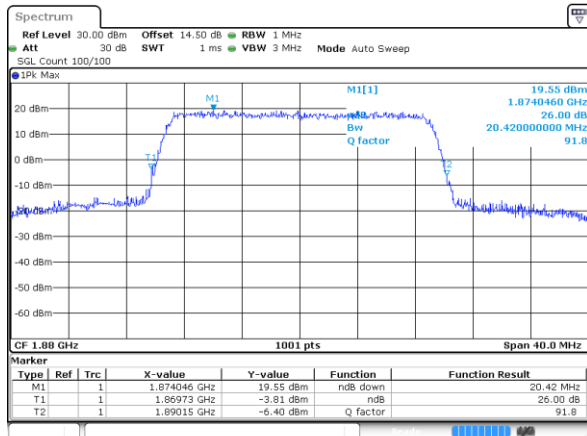
Date: 10 NOV 2017 04:50:08

## Lowest Channel / 20MHz / 16QAM



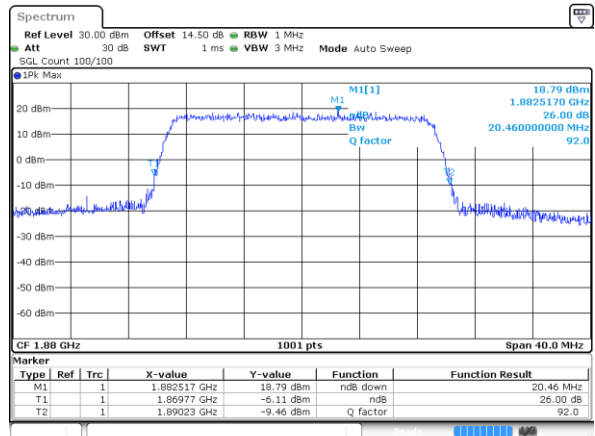
Date: 10 NOV 2017 04:50:18

## Middle Channel / 20MHz / QPSK



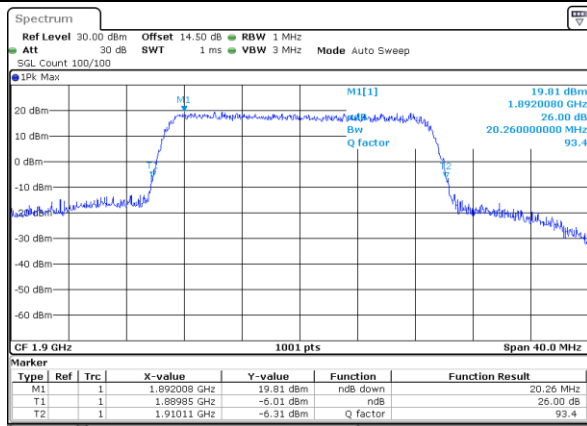
Date: 10 NOV 2017 04:57:06

## Middle Channel / 20MHz / 16QAM



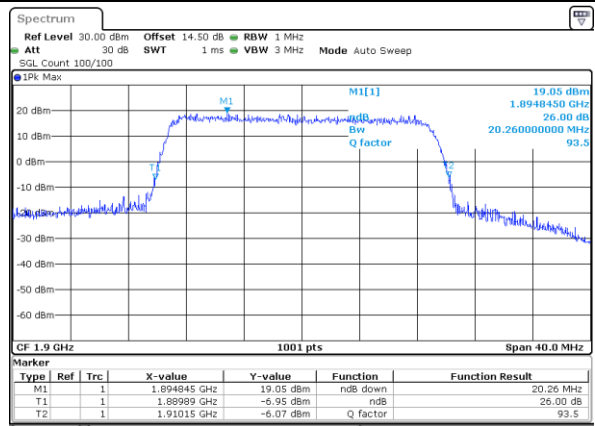
Date: 10 NOV 2017 04:57:16

## Highest Channel / 20MHz / QPSK



Date: 10 NOV 2017 04:59:32

## Highest Channel / 20MHz / 16QAM

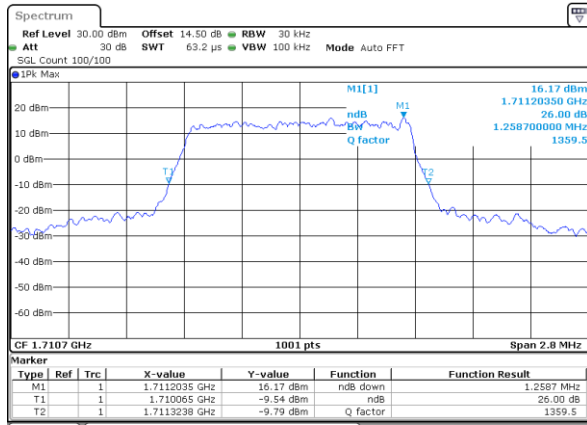


Date: 10 NOV 2017 04:59:42



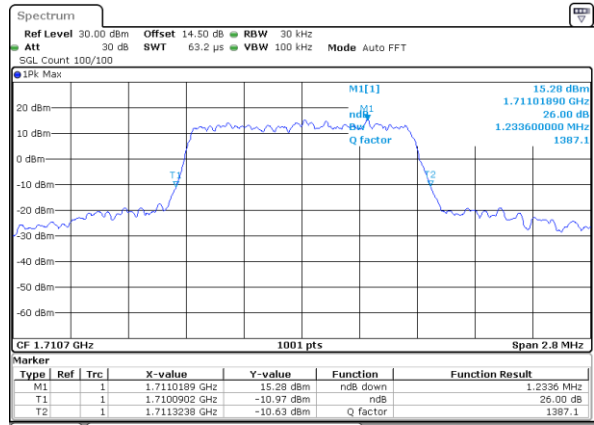
## LTE Band 4

## Lowest Channel / 1.4MHz / QPSK



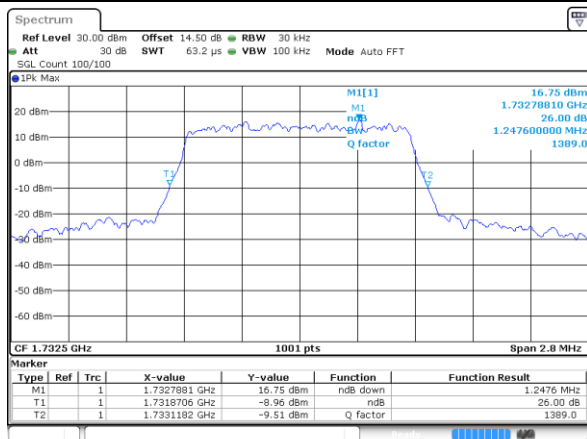
Date: 16 NOV 2017 23:25:08

## Lowest Channel / 1.4MHz / 16QAM



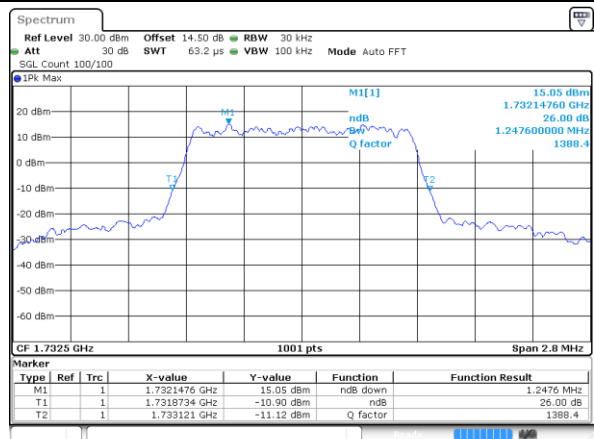
Date: 16 NOV 2017 23:25:18

## Middle Channel / 1.4MHz / QPSK



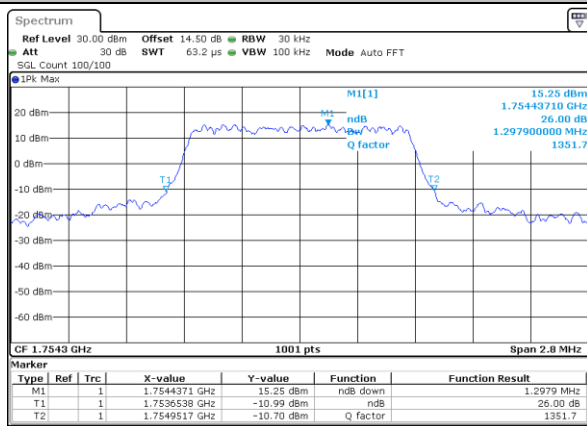
Date: 16 NOV 2017 23:32:07

## Middle Channel / 1.4MHz / 16QAM



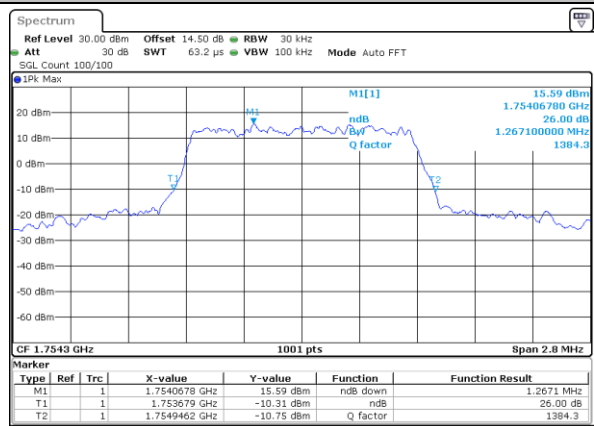
Date: 16 NOV 2017 23:32:17

## Highest Channel / 1.4MHz / QPSK



Date: 16 NOV 2017 23:34:33

## Highest Channel / 1.4MHz / 16QAM

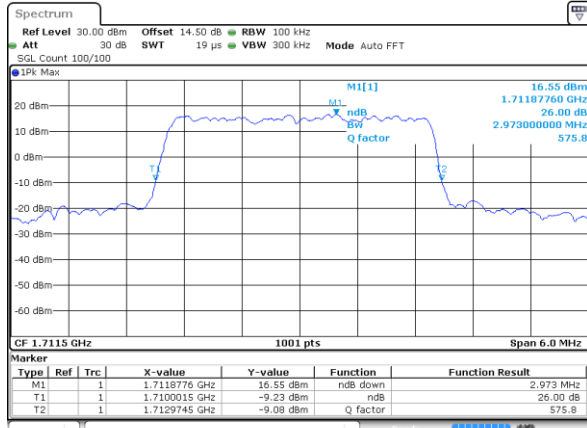


Date: 16 NOV 2017 23:34:43



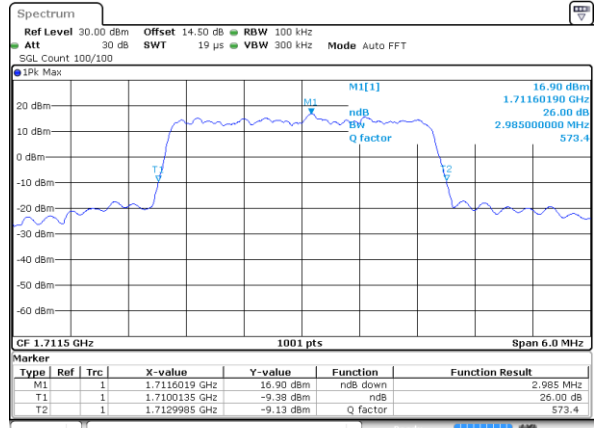
## LTE Band 4

## Lowest Channel / 3MHz / QPSK



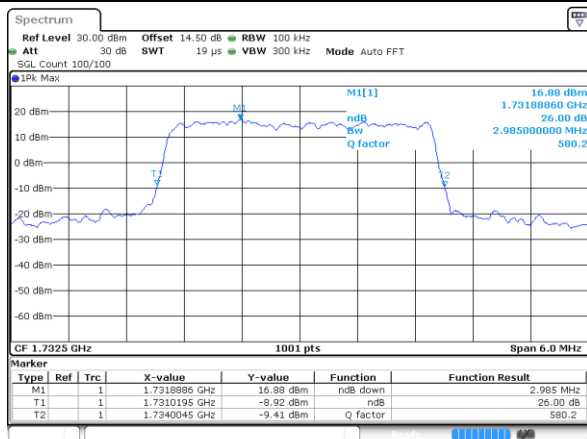
Date: 16 NOV 2017 23:41:31

## Lowest Channel / 3MHz / 16QAM



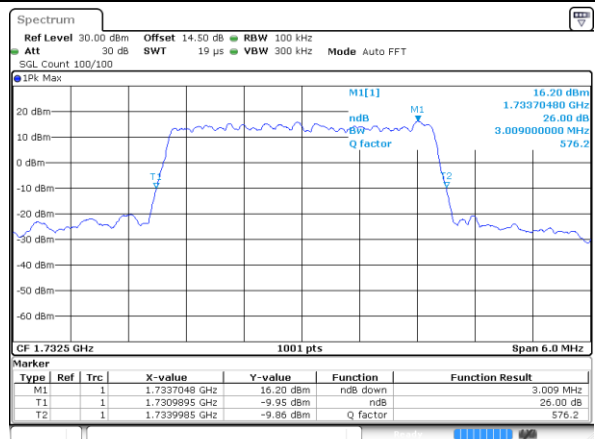
Date: 16 NOV 2017 23:41:41

## Middle Channel / 3MHz / QPSK



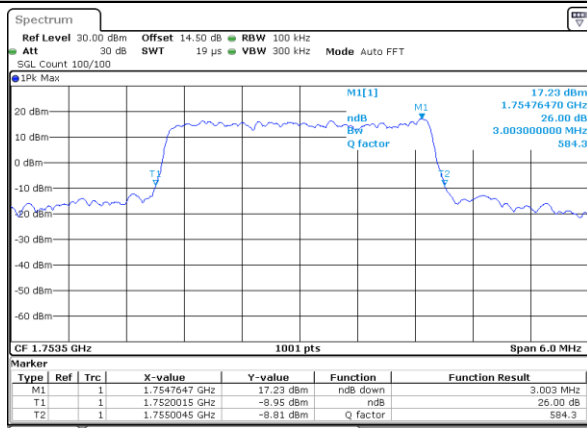
Date: 16 NOV 2017 23:48:28

## Middle Channel / 3MHz / 16QAM



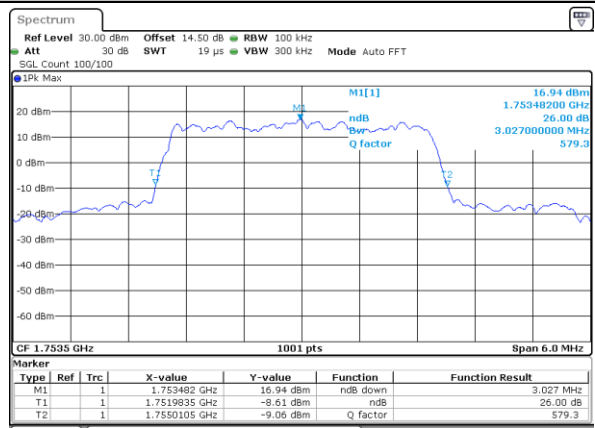
Date: 16 NOV 2017 23:48:38

## Highest Channel / 3MHz / QPSK



Date: 16 NOV 2017 23:50:54

## Highest Channel / 3MHz / 16QAM

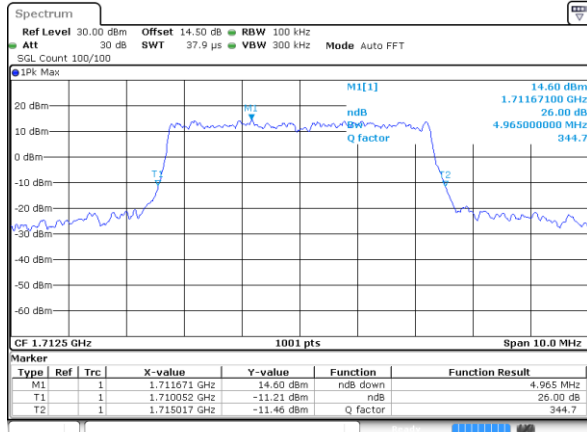


Date: 16 NOV 2017 23:51:03



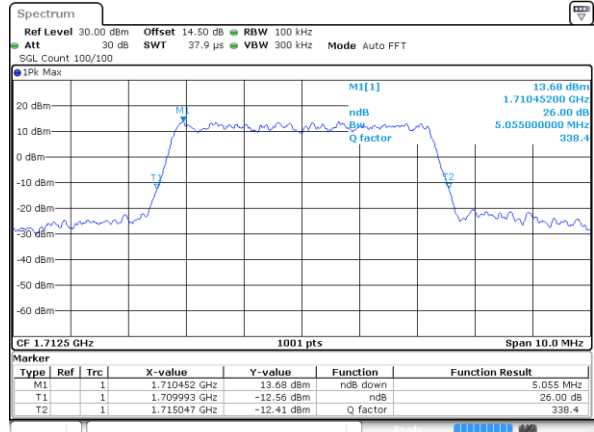
## LTE Band 4

## Lowest Channel / 5MHz / QPSK



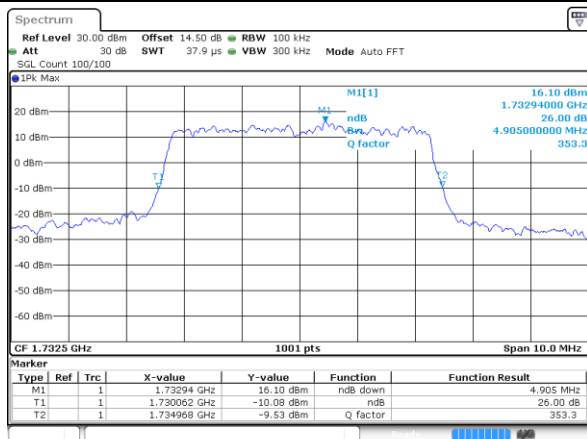
Date: 16 NOV 2017 23:57:51

## Lowest Channel / 5MHz / 16QAM



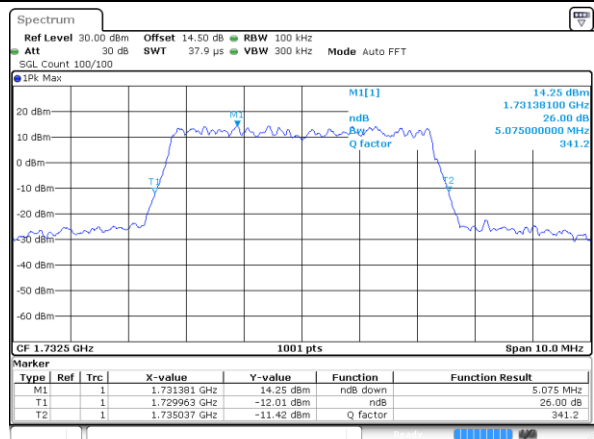
Date: 16 NOV 2017 23:58:01

## Middle Channel / 5MHz / QPSK



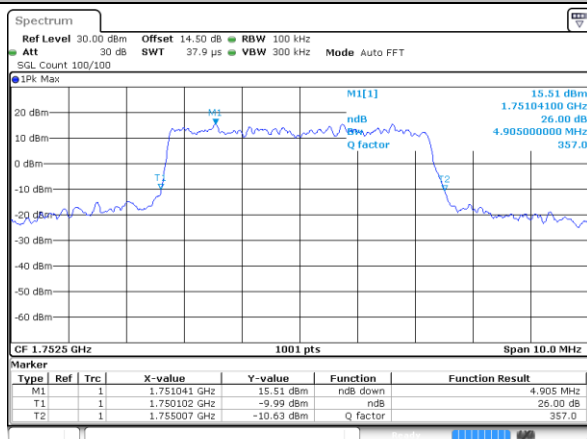
Date: 17 NOV 2017 00:04:48

## Middle Channel / 5MHz / 16QAM



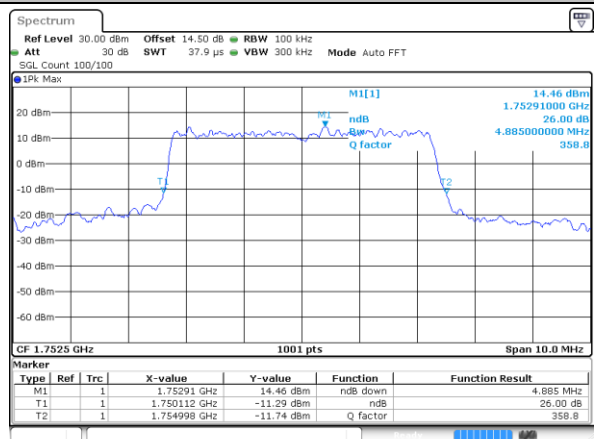
Date: 17 NOV 2017 00:05:00

## Highest Channel / 5MHz / QPSK



Date: 17 NOV 2017 00:07:16

## Highest Channel / 5MHz / 16QAM

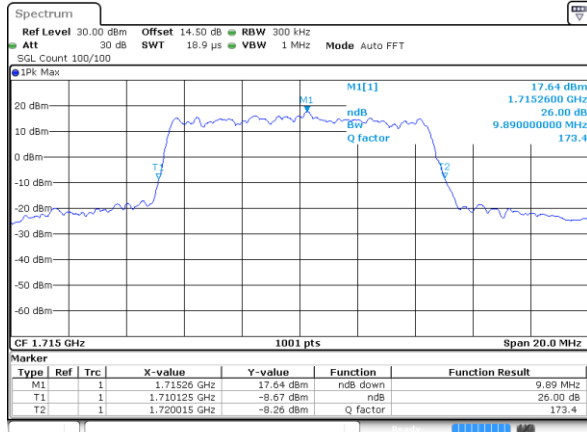


Date: 17 NOV 2017 00:07:26



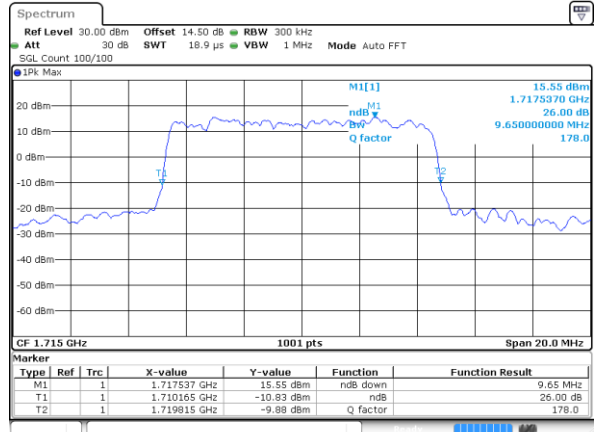
## LTE Band 4

## Lowest Channel / 10MHz / QPSK



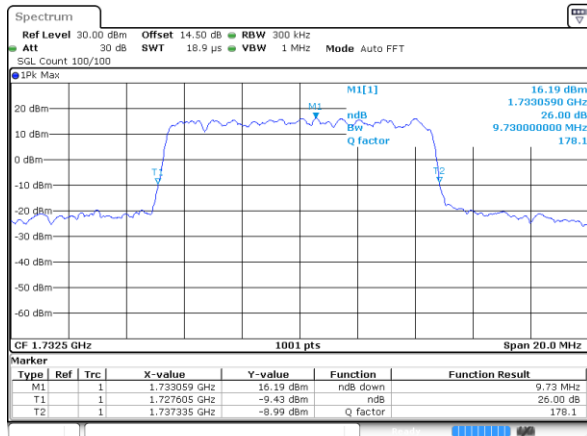
Date: 17 NOV 2017 00:14:13

## Lowest Channel / 10MHz / 16QAM



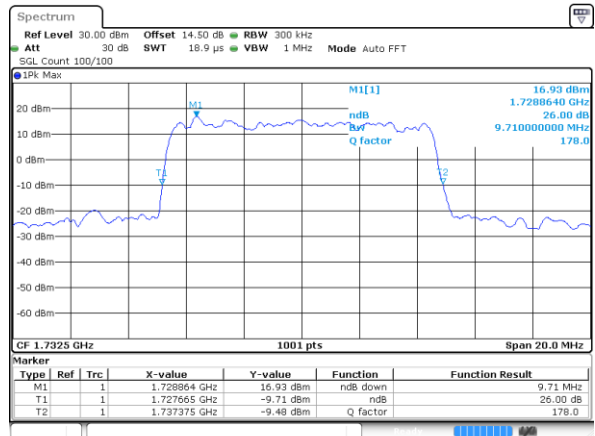
Date: 17 NOV 2017 00:14:23

## Middle Channel / 10MHz / QPSK



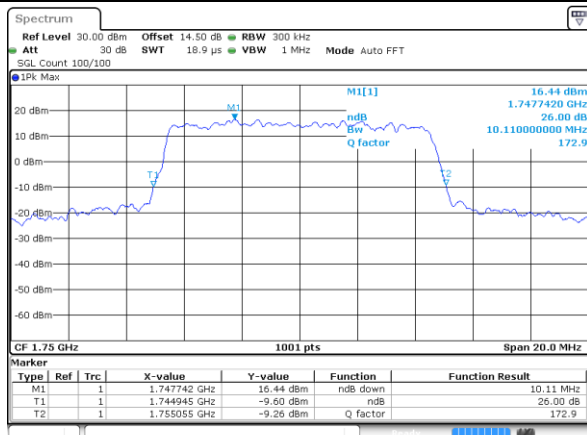
Date: 17 NOV 2017 00:21:10

## Middle Channel / 10MHz / 16QAM



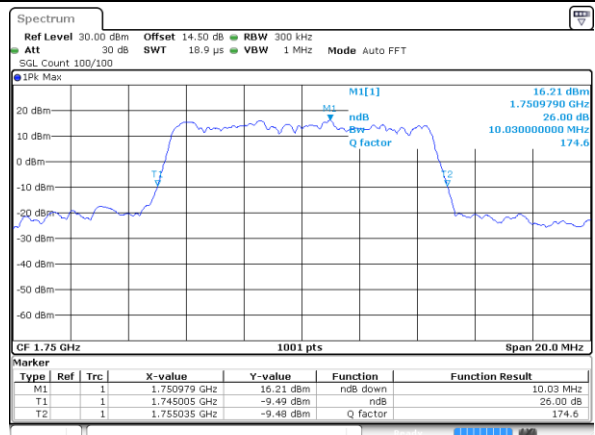
Date: 17 NOV 2017 00:21:20

## Highest Channel / 10MHz / QPSK



Date: 17 NOV 2017 00:23:36

## Highest Channel / 10MHz / 16QAM

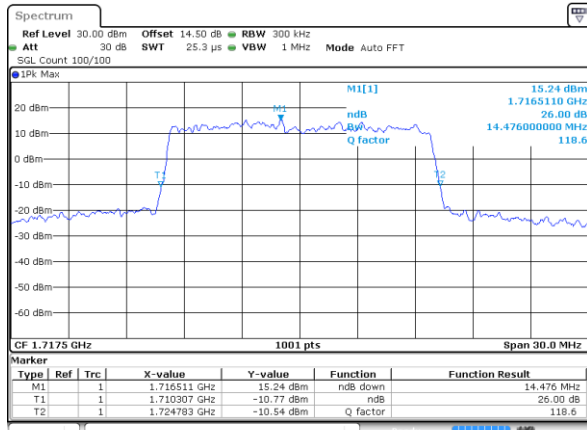


Date: 17 NOV 2017 00:23:46



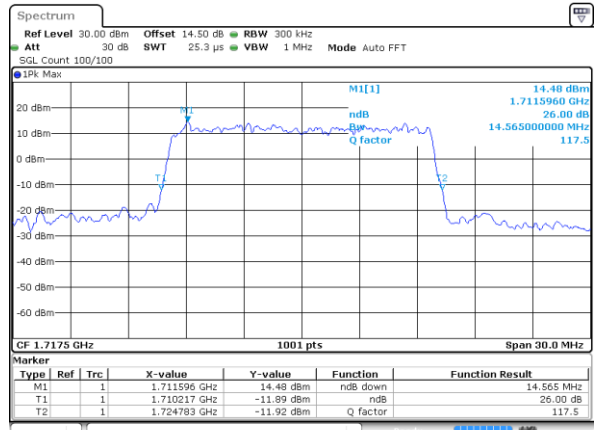
## LTE Band 4

## Lowest Channel / 15MHz / QPSK



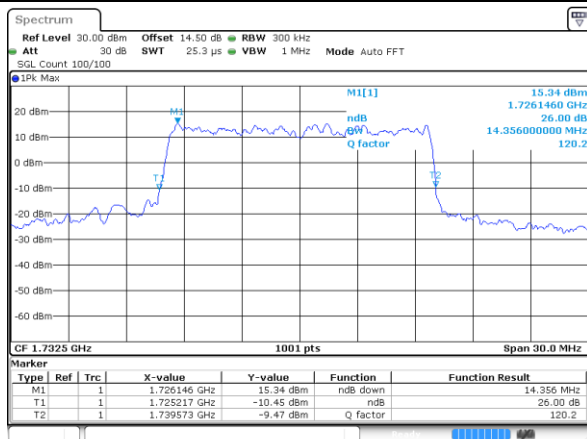
Date: 17 NOV 2017 00:30:33

## Lowest Channel / 15MHz / 16QAM



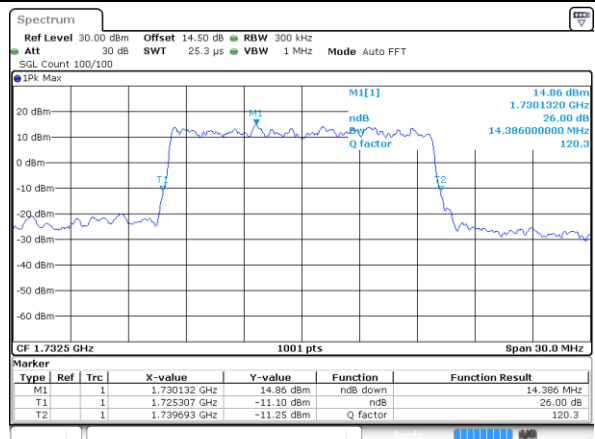
Date: 17 NOV 2017 00:30:43

## Middle Channel / 15MHz / QPSK



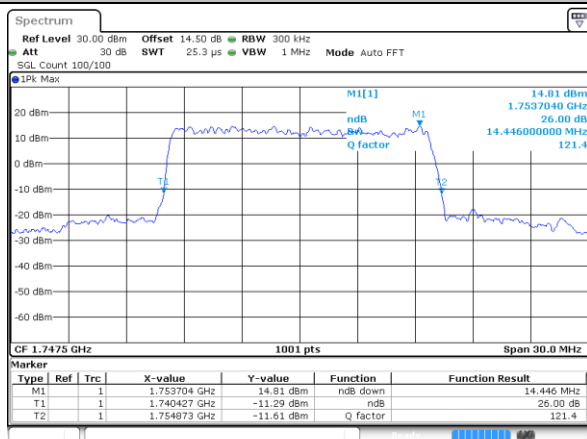
Date: 17 NOV 2017 00:37:30

## Middle Channel / 15MHz / 16QAM



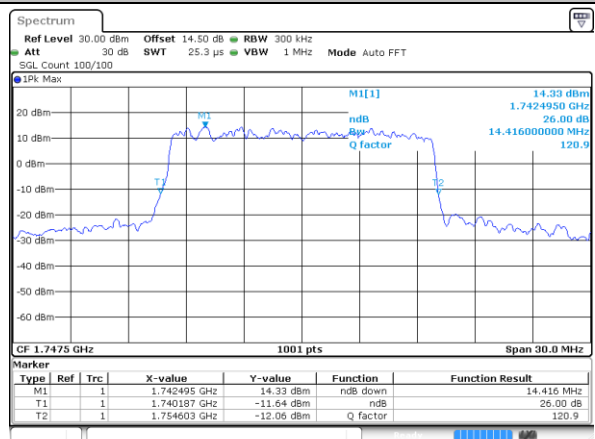
Date: 17 NOV 2017 00:37:40

## Highest Channel / 15MHz / QPSK



Date: 17 NOV 2017 00:39:56

## Highest Channel / 15MHz / 16QAM

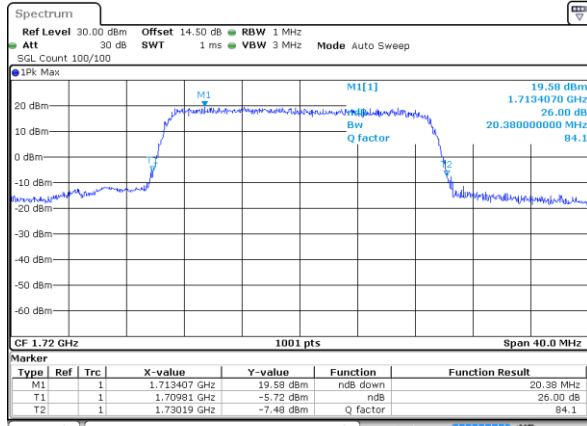


Date: 17 NOV 2017 00:40:06



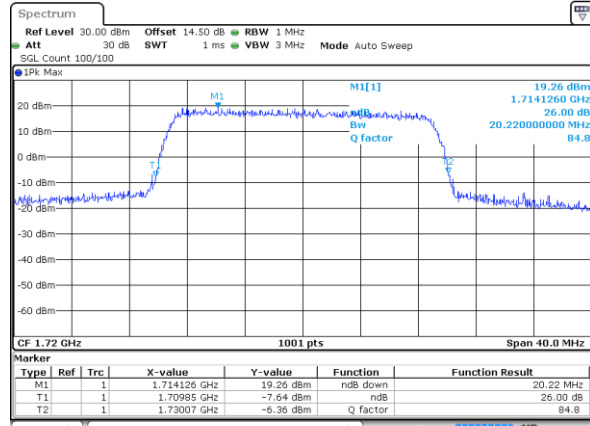
## LTE Band 4

## Lowest Channel / 20MHz / QPSK



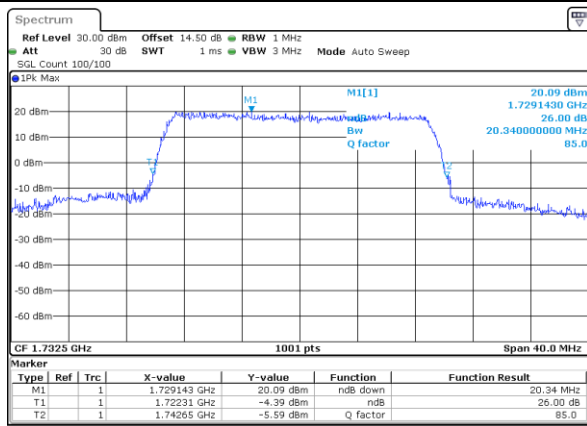
Date: 17 NOV 2017 00:46:53

## Lowest Channel / 20MHz / 16QAM



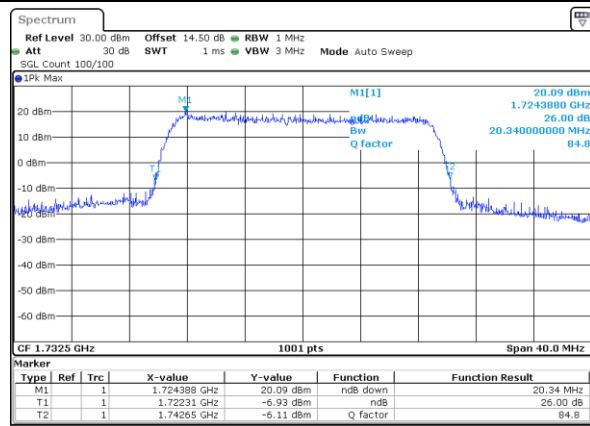
Date: 17 NOV 2017 00:47:03

## Middle Channel / 20MHz / QPSK



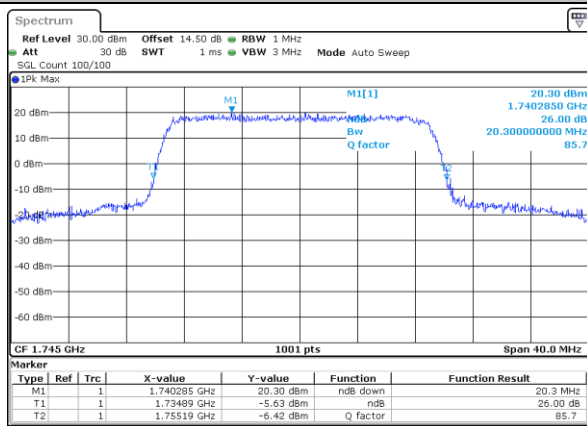
Date: 17 NOV 2017 00:53:51

## Middle Channel / 20MHz / 16QAM



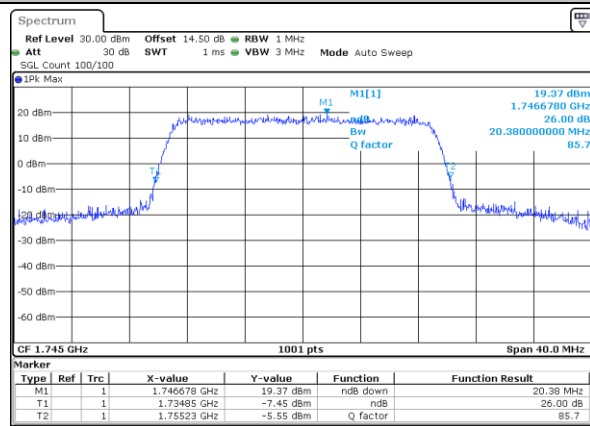
Date: 17 NOV 2017 00:54:00

## Highest Channel / 20MHz / QPSK



Date: 17 NOV 2017 00:56:17

## Highest Channel / 20MHz / 16QAM

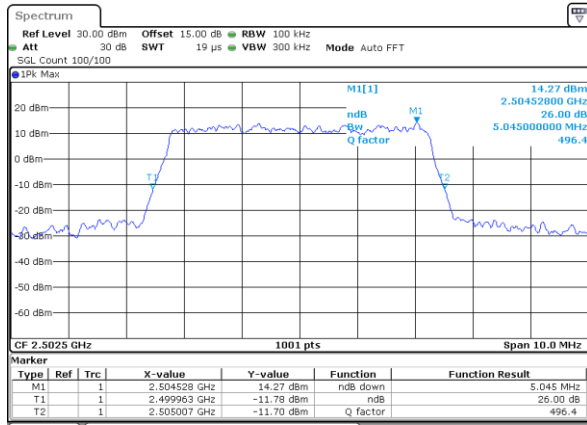


Date: 17 NOV 2017 00:56:27



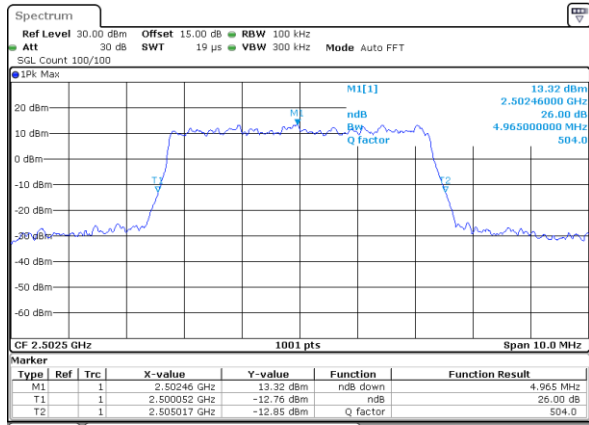
## LTE Band 7

## Lowest Channel / 5MHz / QPSK



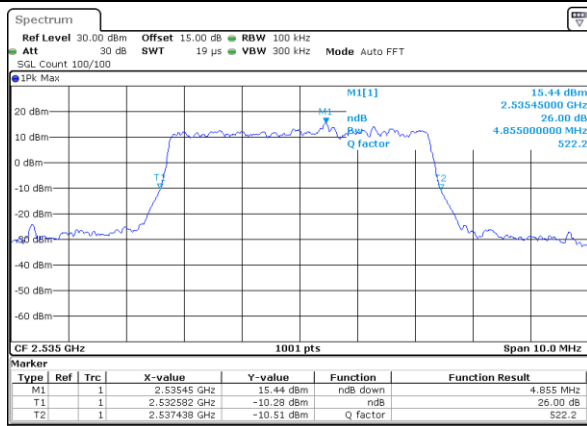
Date: 17,NOV,2017 18:24:33

## Lowest Channel / 5MHz / 16QAM



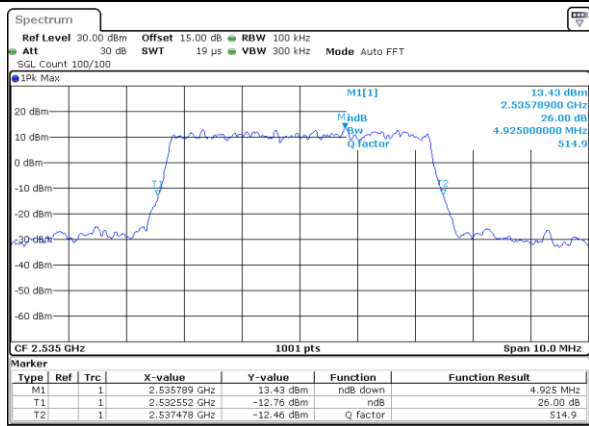
Date: 17,NOV,2017 18:24:43

## Middle Channel / 5MHz / QPSK



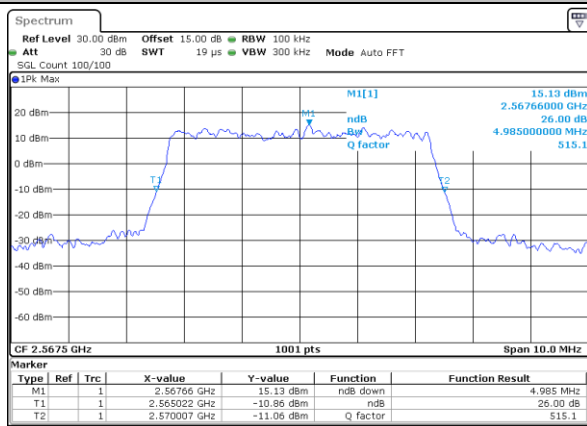
Date: 17,NOV,2017 18:31:48

## Middle Channel / 5MHz / 16QAM



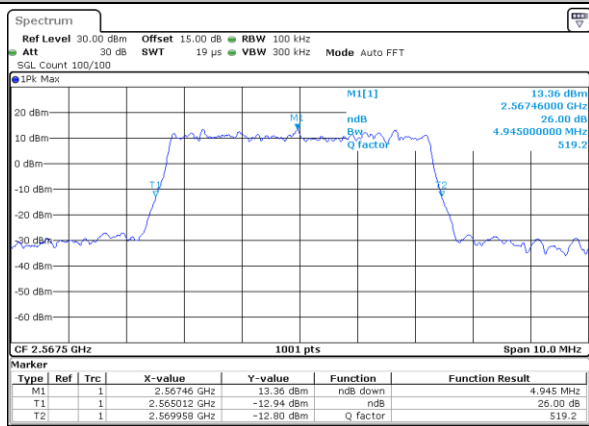
Date: 17,NOV,2017 18:31:59

## Highest Channel / 5MHz / QPSK



Date: 17,NOV,2017 18:34:21

## Highest Channel / 5MHz / 16QAM

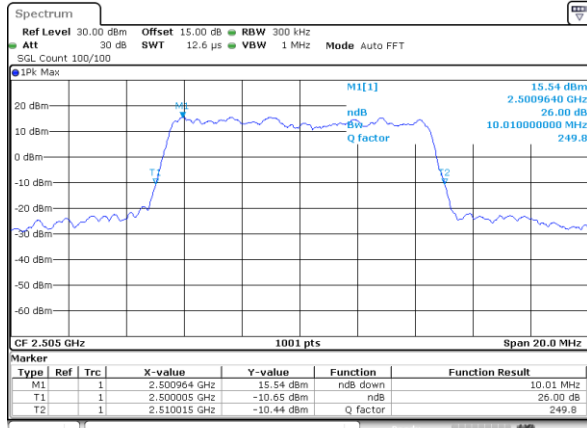


Date: 17,NOV,2017 18:34:32



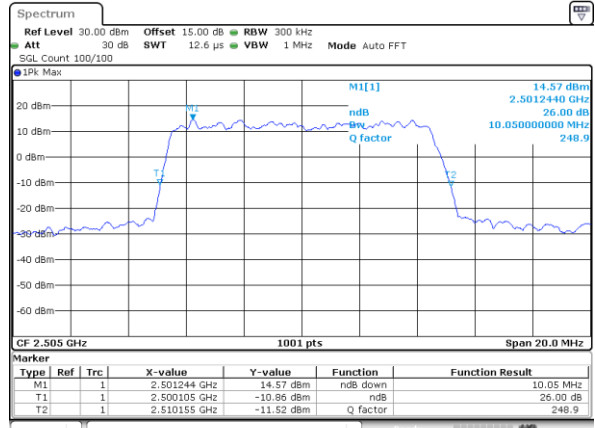
## LTE Band 7

## Lowest Channel / 10MHz / QPSK



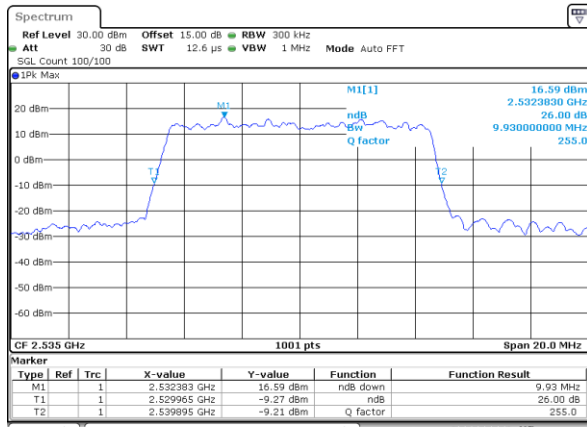
Date: 17.NOV.2017 18:41:37

## Lowest Channel / 10MHz / 16QAM



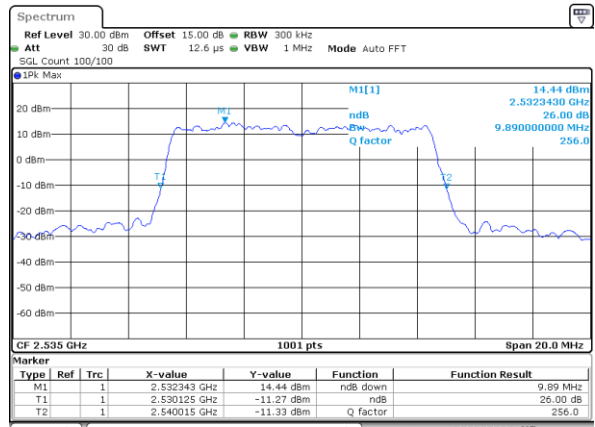
Date: 17.NOV.2017 18:41:48

## Middle Channel / 10MHz / QPSK



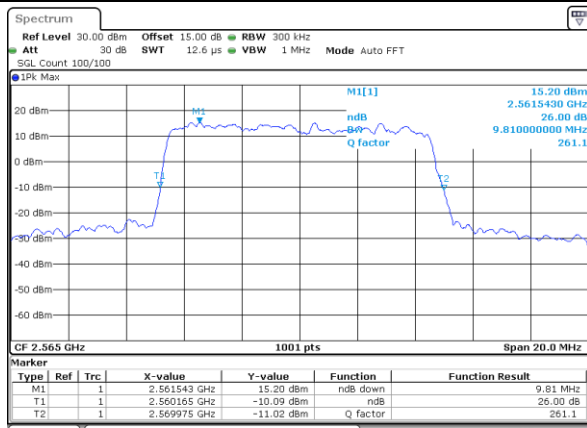
Date: 17.NOV.2017 18:48:53

## Middle Channel / 10MHz / 16QAM



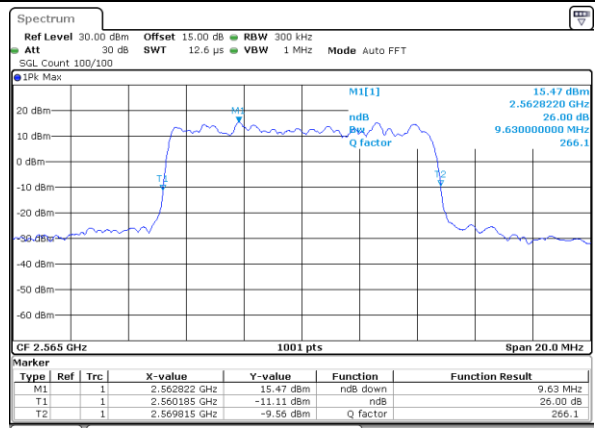
Date: 17.NOV.2017 18:49:04

## Highest Channel / 10MHz / QPSK



Date: 17.NOV.2017 18:51:26

## Highest Channel / 10MHz / 16QAM

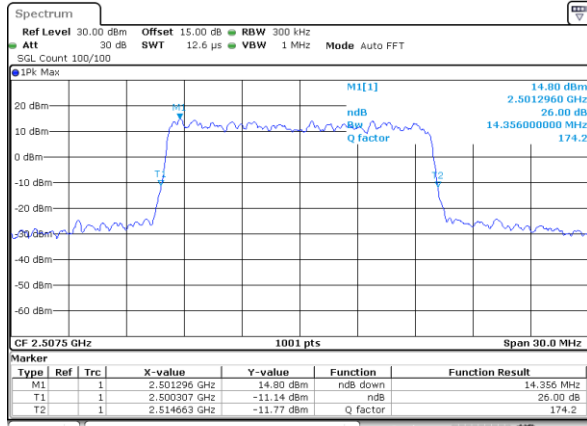


Date: 17.NOV.2017 18:51:37



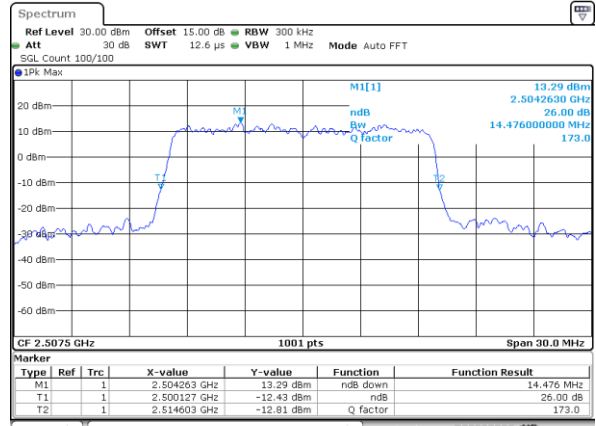
## LTE Band 7

## Lowest Channel / 15MHz / QPSK



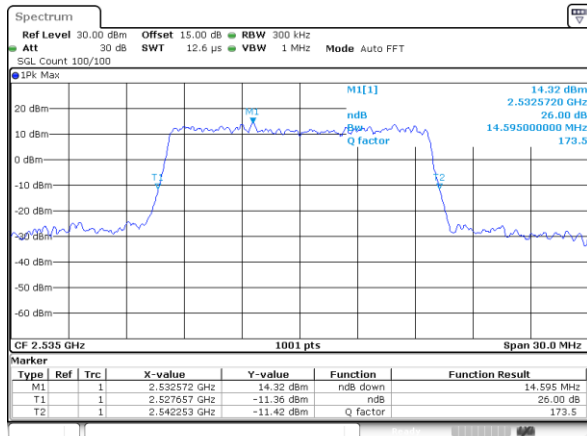
Date: 17.NOV.2017 18:58:43

## Lowest Channel / 15MHz / 16QAM



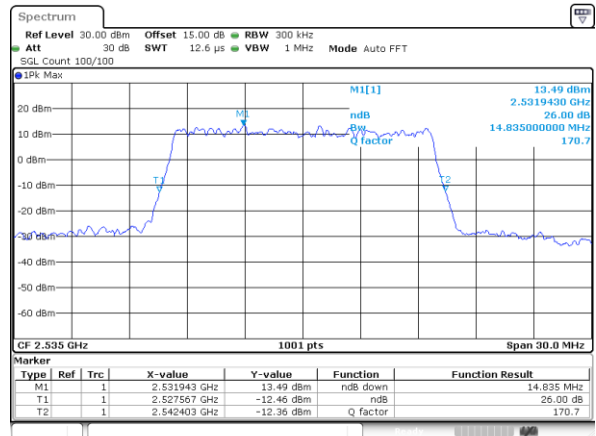
Date: 17.NOV.2017 18:58:54

## Middle Channel / 15MHz / QPSK



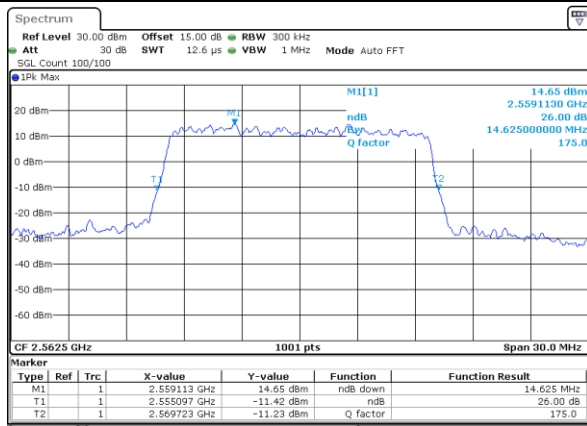
Date: 17.NOV.2017 19:05:59

## Middle Channel / 15MHz / 16QAM



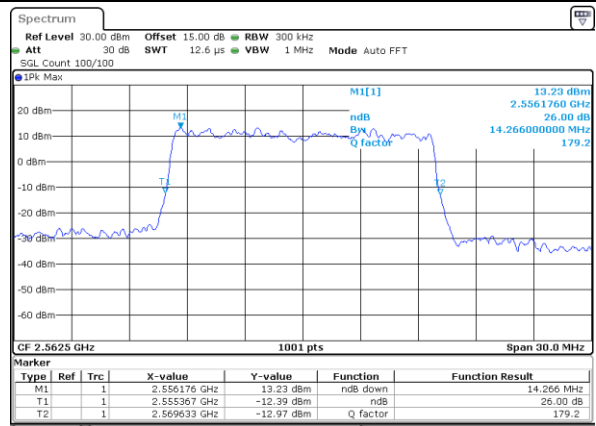
Date: 17.NOV.2017 19:06:10

## Highest Channel / 15MHz / QPSK



Date: 17.NOV.2017 19:08:32

## Highest Channel / 15MHz / 16QAM

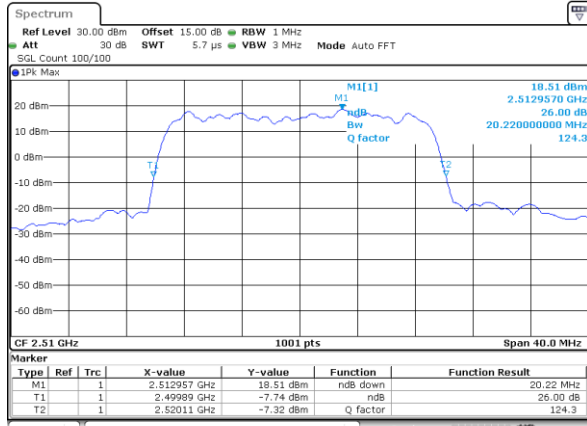


Date: 17.NOV.2017 19:08:43



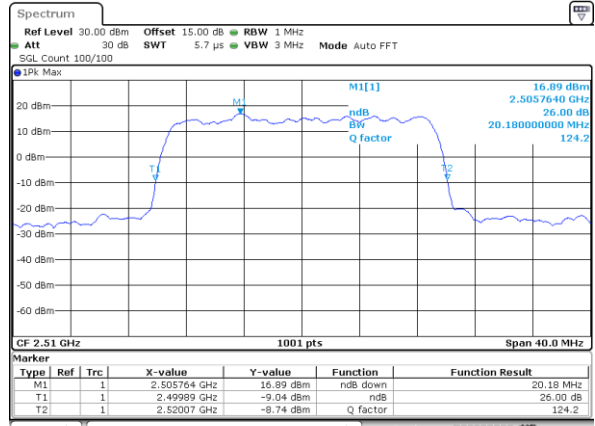
## LTE Band 7

## Lowest Channel / 20MHz / QPSK



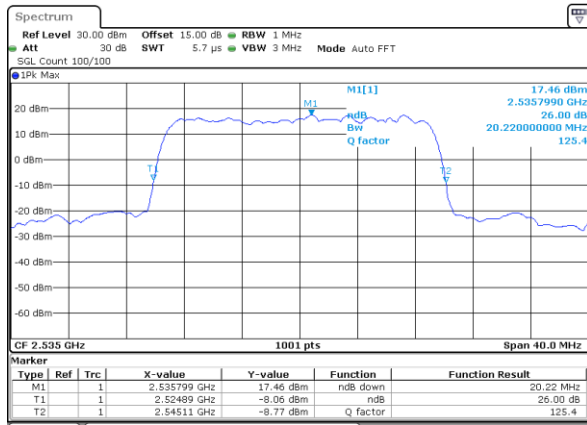
Date: 17.NOV.2017 19:15:49

## Lowest Channel / 20MHz / 16QAM



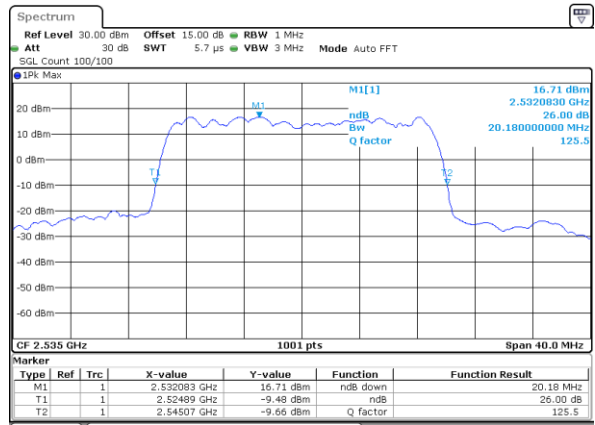
Date: 17.NOV.2017 19:16:00

## Middle Channel / 20MHz / QPSK



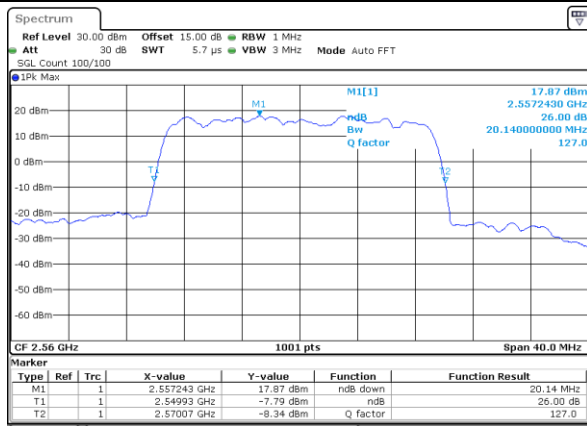
Date: 17.NOV.2017 19:23:05

## Middle Channel / 20MHz / 16QAM



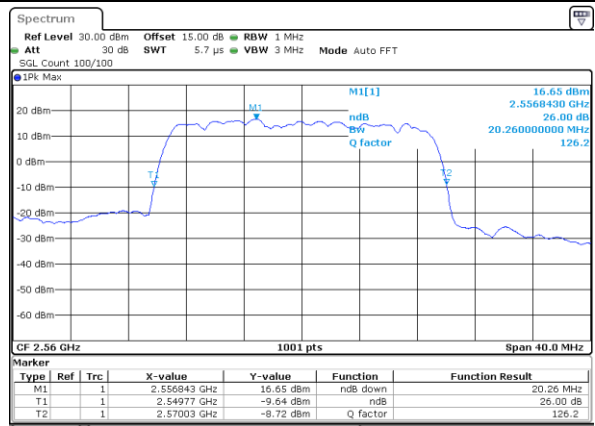
Date: 17.NOV.2017 19:23:16

## Highest Channel / 20MHz / QPSK



Date: 17.NOV.2017 19:25:38

## Highest Channel / 20MHz / 16QAM

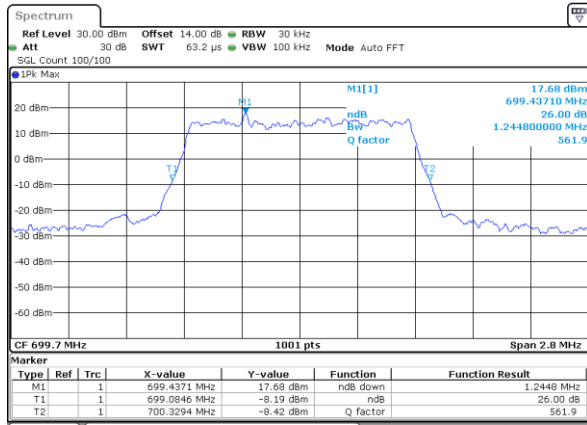


Date: 17.NOV.2017 19:25:49



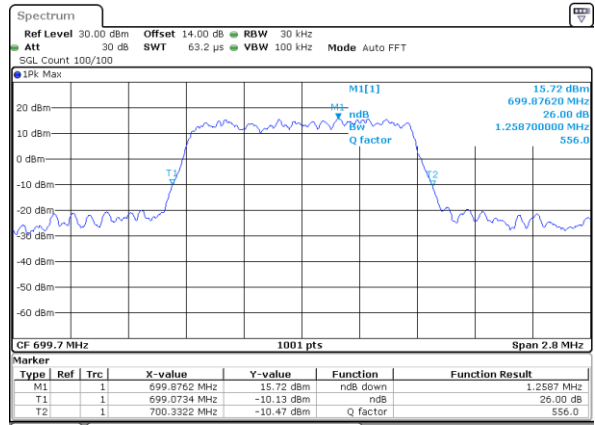
## LTE Band 12

## Lowest Channel / 1.4MHz / QPSK



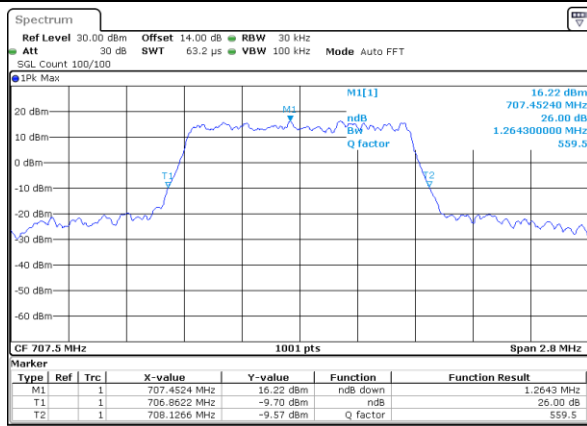
Date: 10 NOV 2017 05:42:41

## Lowest Channel / 1.4MHz / 16QAM



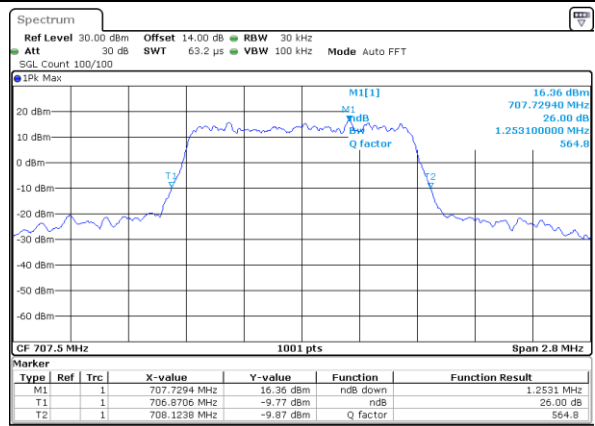
Date: 10 NOV 2017 05:42:31

## Middle Channel / 1.4MHz / QPSK



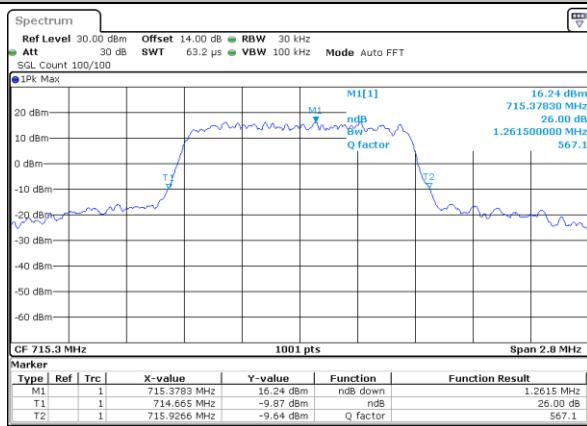
Date: 10 NOV 2017 05:49:28

## Middle Channel / 1.4MHz / 16QAM



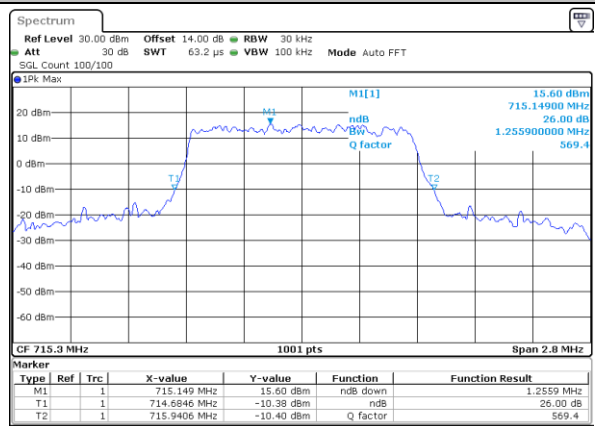
Date: 10 NOV 2017 05:49:38

## Highest Channel / 1.4MHz / QPSK



Date: 10 NOV 2017 05:51:53

## Highest Channel / 1.4MHz / 16QAM

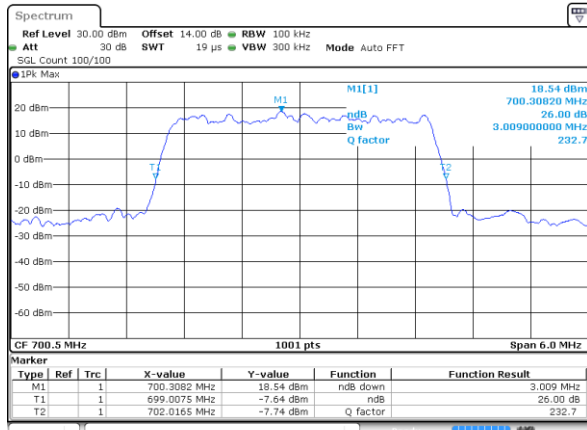


Date: 10 NOV 2017 05:52:03

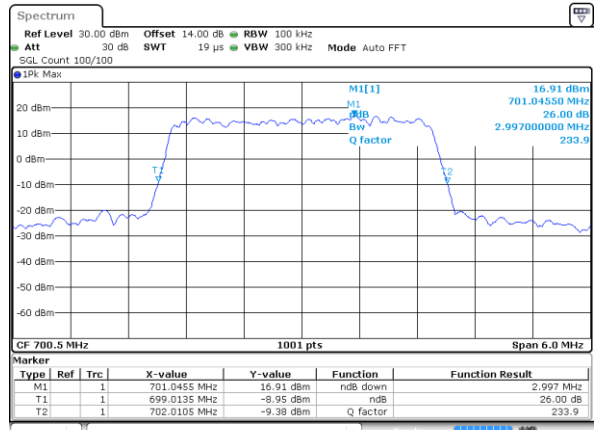


## LTE Band 12

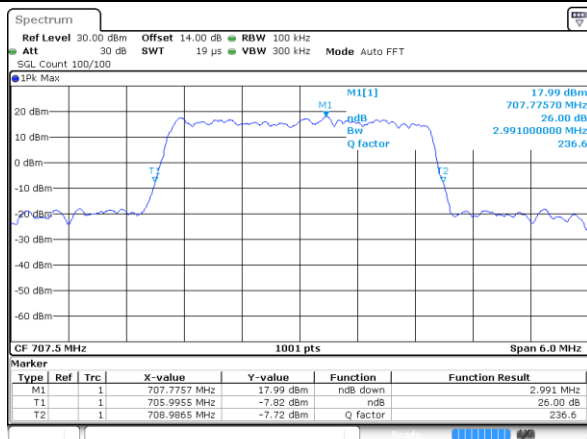
## Lowest Channel / 3MHz / QPSK



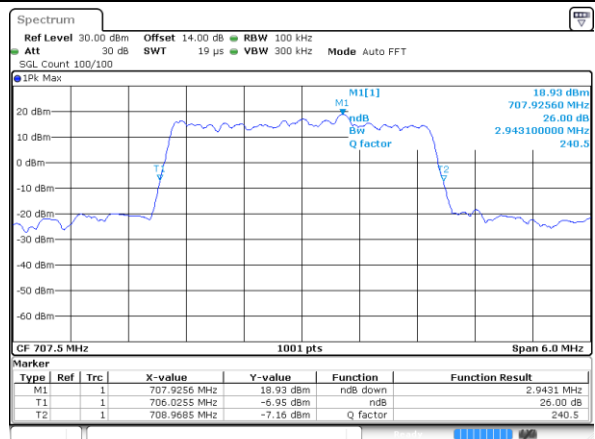
## Lowest Channel / 3MHz / 16QAM



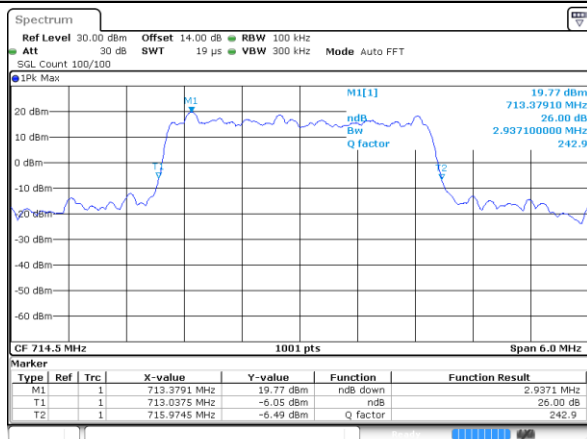
## Middle Channel / 3MHz / QPSK



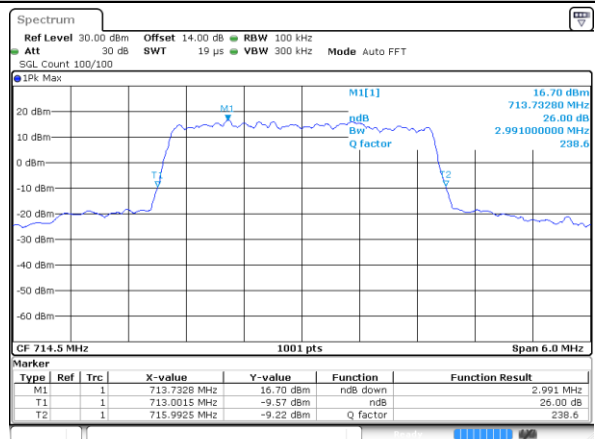
## Middle Channel / 3MHz / 16QAM



## Highest Channel / 3MHz / QPSK



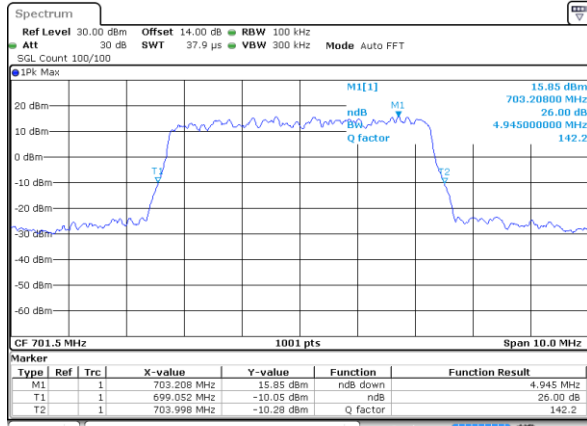
## Highest Channel / 3MHz / 16QAM





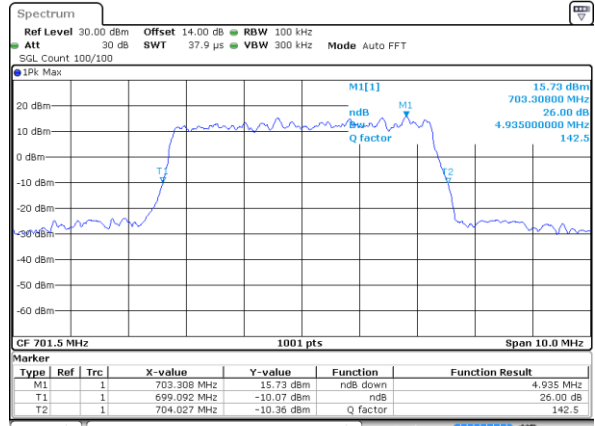
## LTE Band 12

## Lowest Channel / 5MHz / QPSK



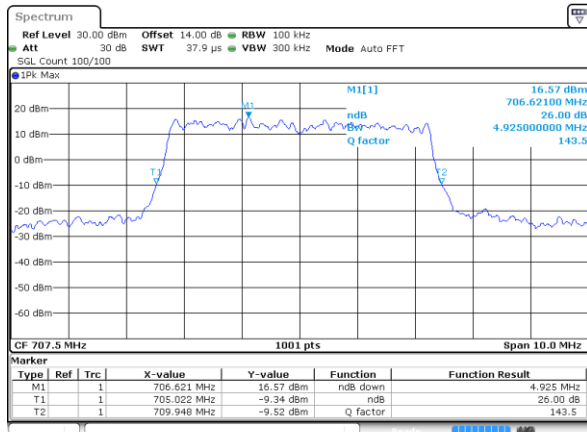
Date: 10 NOV 2017 06:15:11

## Lowest Channel / 5MHz / 16QAM



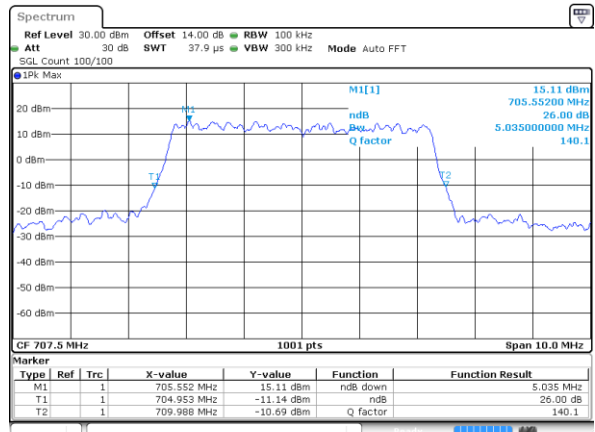
Date: 10 NOV 2017 06:15:21

## Middle Channel / 5MHz / QPSK



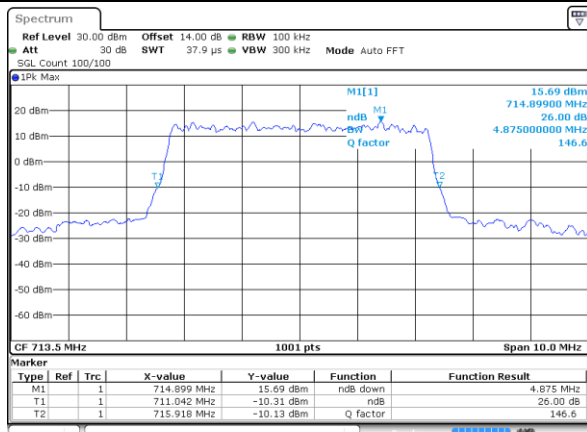
Date: 10 NOV 2017 06:22:08

## Middle Channel / 5MHz / 16QAM



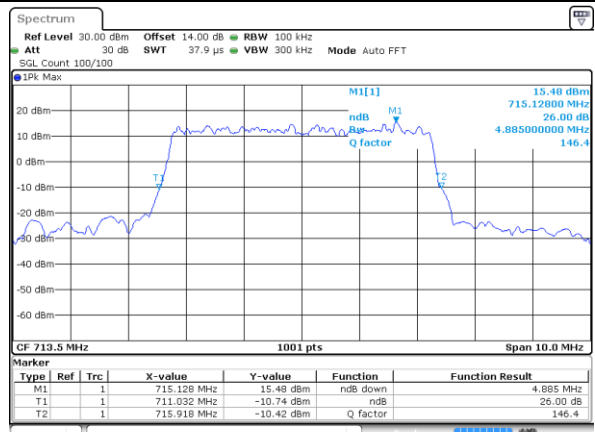
Date: 10 NOV 2017 06:22:19

## Highest Channel / 5MHz / QPSK



Date: 10 NOV 2017 06:24:35

## Highest Channel / 5MHz / 16QAM

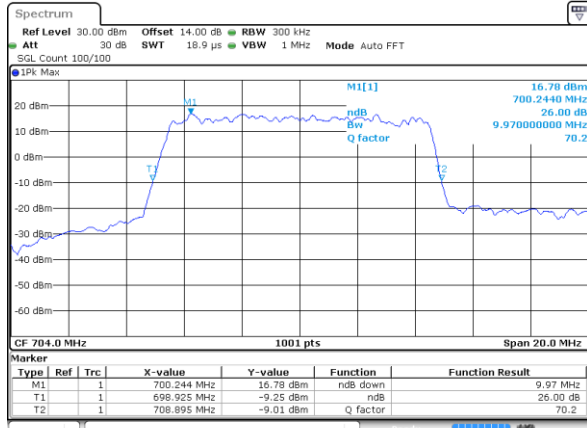


Date: 10 NOV 2017 06:24:44



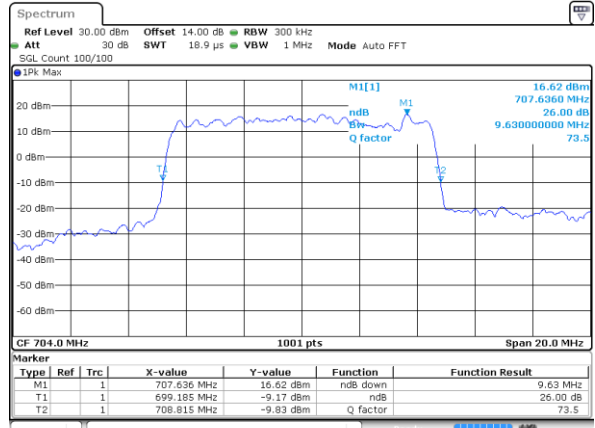
## LTE Band 12

## Lowest Channel / 10MHz / QPSK



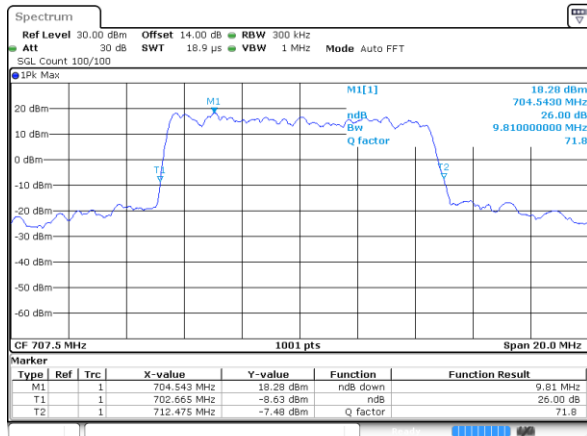
Date: 10 NOV 2017 06:31:32

## Lowest Channel / 10MHz / 16QAM



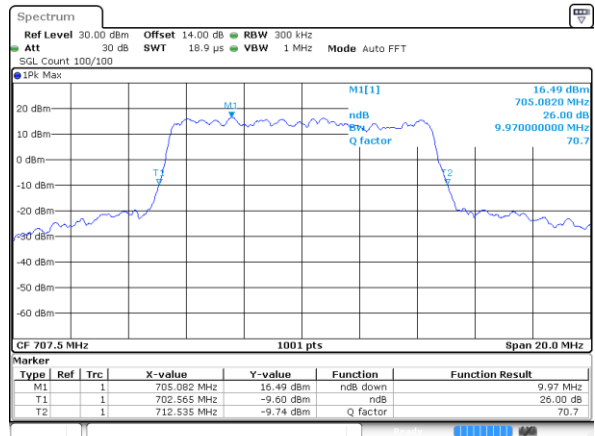
Date: 10 NOV 2017 06:31:42

## Middle Channel / 10MHz / QPSK



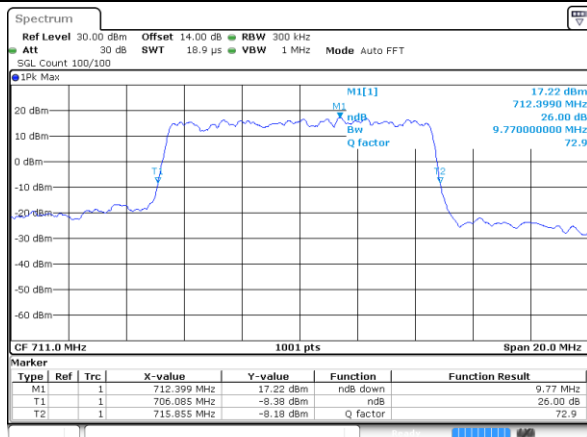
Date: 10 NOV 2017 06:38:29

## Middle Channel / 10MHz / 16QAM



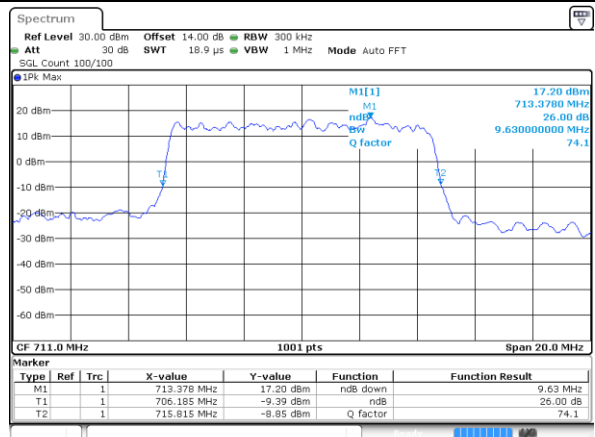
Date: 10 NOV 2017 06:38:39

## Highest Channel / 10MHz / QPSK



Date: 10 NOV 2017 06:40:55

## Highest Channel / 10MHz / 16QAM

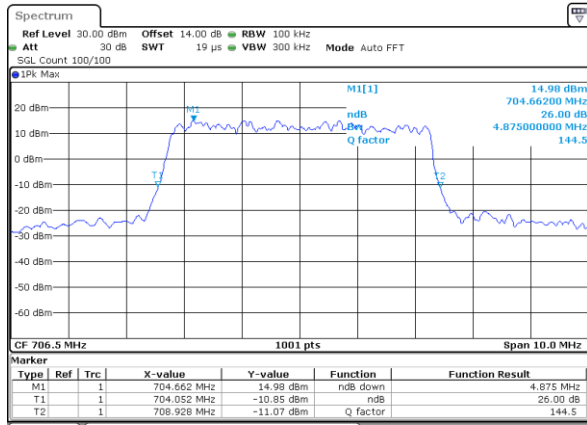


Date: 10 NOV 2017 06:41:04



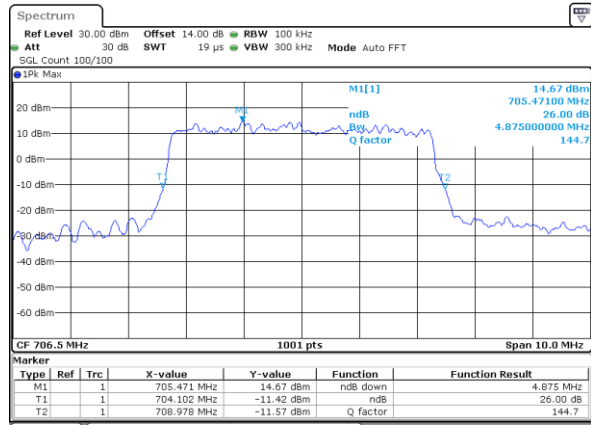
## LTE Band 17

## Lowest Channel / 5MHz / QPSK



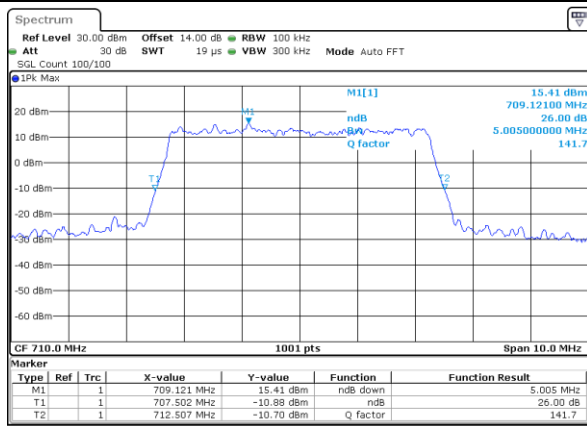
Date: 17.NOV.2017 19:50:36

## Lowest Channel / 5MHz / 16QAM



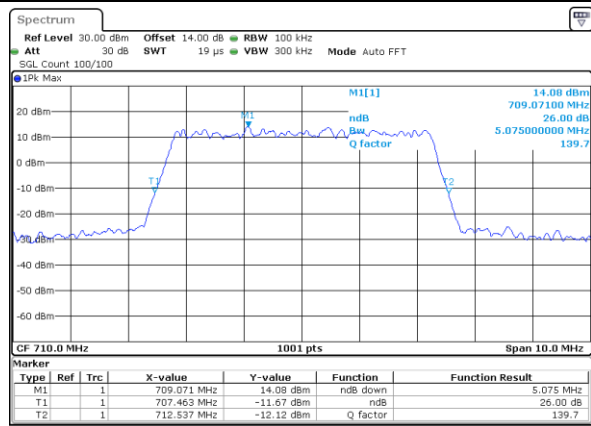
Date: 17.NOV.2017 19:50:47

## Middle Channel / 5MHz / QPSK



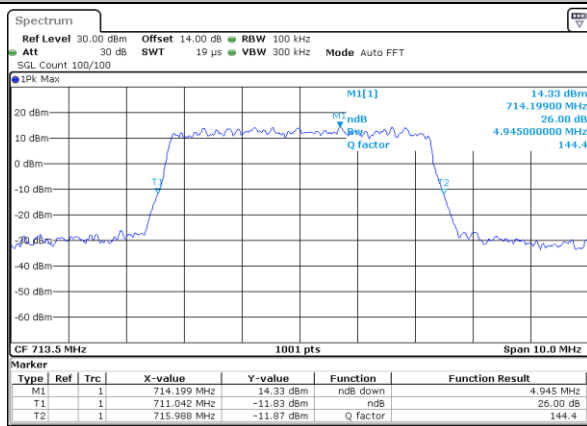
Date: 17.NOV.2017 19:57:54

## Middle Channel / 5MHz / 16QAM



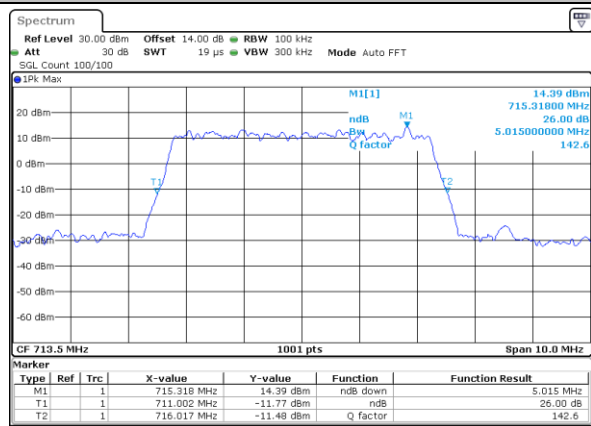
Date: 17.NOV.2017 19:58:05

## Highest Channel / 5MHz / QPSK



Date: 17.NOV.2017 20:00:30

## Highest Channel / 5MHz / 16QAM

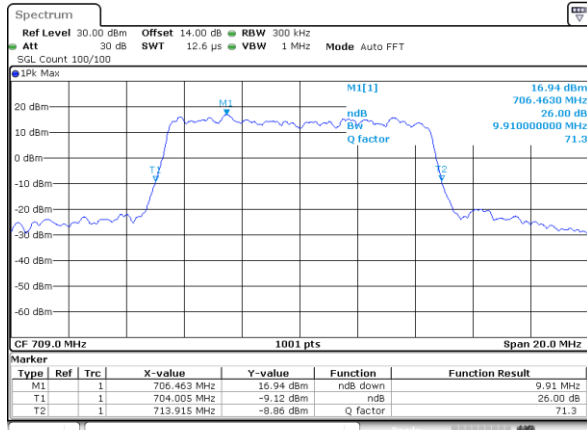


Date: 17.NOV.2017 20:00:41



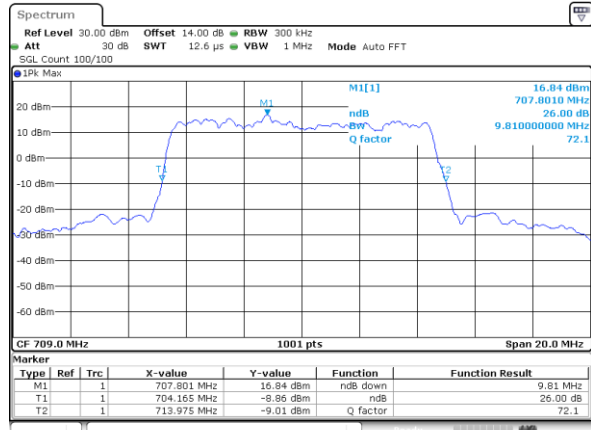
## LTE Band 17

## Lowest Channel / 10MHz / QPSK



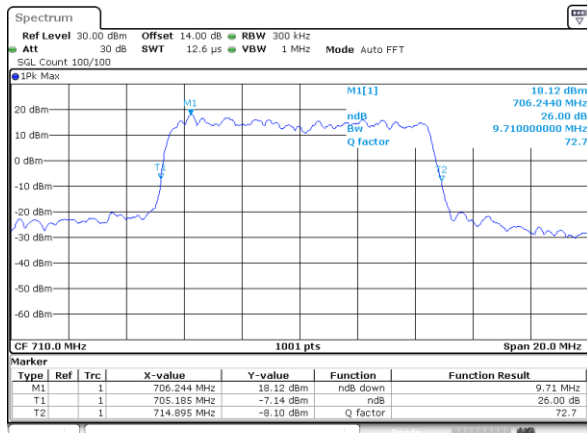
Date: 17.NOV.2017 20:07:47

## Lowest Channel / 10MHz / 16QAM



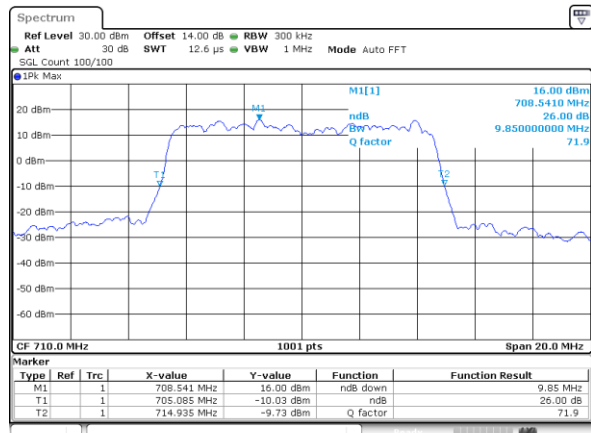
Date: 17.NOV.2017 20:07:58

## Middle Channel / 10MHz / QPSK



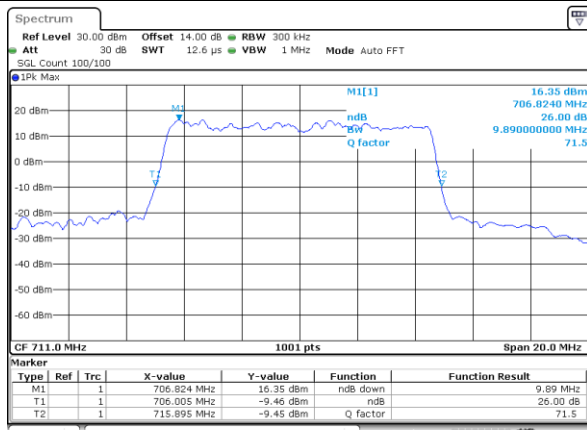
Date: 17.NOV.2017 20:15:05

## Middle Channel / 10MHz / 16QAM



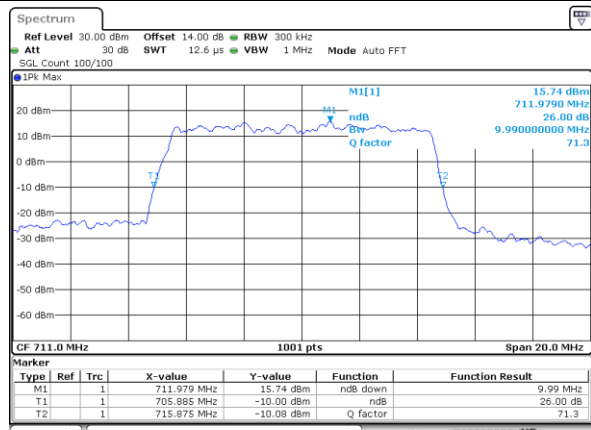
Date: 17.NOV.2017 20:15:15

## Highest Channel / 10MHz / QPSK



Date: 17.NOV.2017 20:17:42

## Highest Channel / 10MHz / 16QAM



Date: 17.NOV.2017 20:17:53



## Occupied Bandwidth

| Mode       | LTE Band 2 : 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  | 2.72 | 2.73  | 4.51 | 4.50  | 9.01  | 9.05  | 13.43 | 13.46 | 18.42 | 18.42 |
| Middle CH  | 1.10                     | 1.09  | 2.73 | 2.72  | 4.50 | 4.52  | 9.05  | 9.05  | 13.40 | 13.40 | 18.50 | 18.42 |
| Highest CH | 1.09                     | 1.09  | 2.74 | 2.73  | 4.52 | 4.50  | 9.05  | 8.99  | 13.46 | 13.55 | 18.38 | 18.46 |

| Mode       | LTE Band 4 : 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  | 2.72 | 2.73  | 4.52 | 4.50  | 9.03  | 9.09  | 13.46 | 13.40 | 18.42 | 18.46 |
| Middle CH  | 1.09                     | 1.10  | 2.73 | 2.73  | 4.49 | 4.50  | 9.05  | 9.05  | 13.46 | 13.43 | 18.46 | 18.50 |
| Highest CH | 1.09                     | 1.10  | 2.75 | 2.73  | 4.52 | 4.50  | 9.05  | 9.05  | 13.49 | 13.49 | 18.38 | 18.38 |

| Mode       | LTE Band 7 : 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  | -                        | -     | -    | -     | 4.51 | 4.48  | 9.05  | 8.99  | 13.43 | 13.40 | 18.46 | 18.58 |
| Middle CH  | -                        | -     | -    | -     | 4.47 | 4.50  | 9.03  | 8.99  | 13.46 | 13.52 | 18.46 | 18.42 |
| Highest CH | -                        | -     | -    | -     | 4.49 | 4.49  | 9.07  | 8.97  | 13.43 | 13.43 | 18.34 | 18.42 |

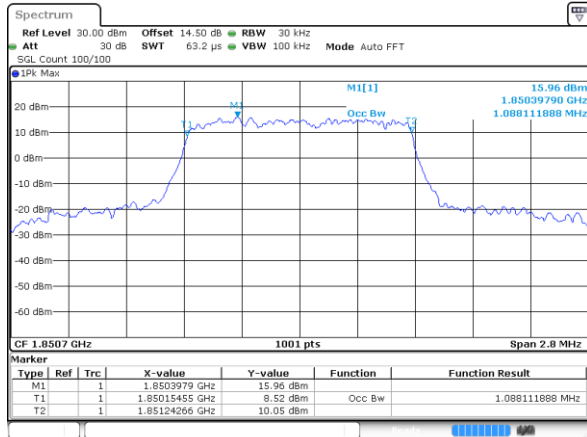
| Mode       | LTE Band 12 : 99%OBW(MHz) |       |      |       |      |       |       |       |       |       |       |       |
|------------|---------------------------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| BW         | 1.4MHz                    |       | 3MHz |       | 5MHz |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | QPSK                      | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Lowest CH  | 1.09                      | 1.08  | 2.71 | 2.72  | 4.49 | 4.50  | 8.95  | 8.99  | -     | -     | -     | -     |
| Middle CH  | 1.09                      | 1.09  | 2.73 | 2.72  | 4.50 | 4.50  | 9.07  | 9.09  | -     | -     | -     | -     |
| Highest CH | 1.09                      | 1.09  | 2.75 | 2.73  | 4.48 | 4.48  | 9.05  | 9.01  | -     | -     | -     | -     |

| Mode       | LTE Band 17 : 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 | 4.54  | 9.01  | 9.03  | -     | -     | -     | -     |
| Middle CH  | -                         | -     | -    | -     | 4.51 | 4.51  | 9.07  | 9.05  | -     | -     | -     | -     |
| Highest CH | -                         | -     | -    | -     | 4.51 | 4.49  | 9.03  | 9.05  | -     | -     | -     | -     |

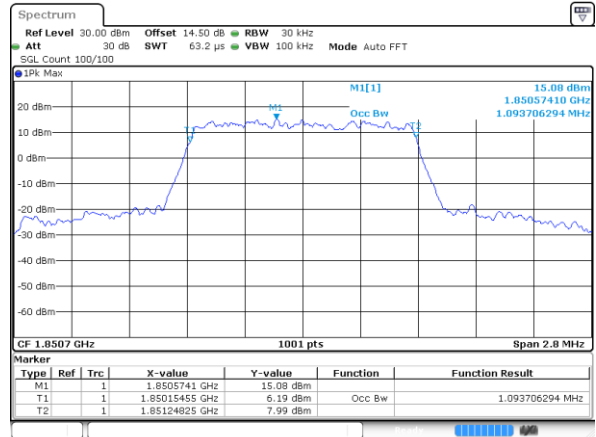


## LTE Band 2

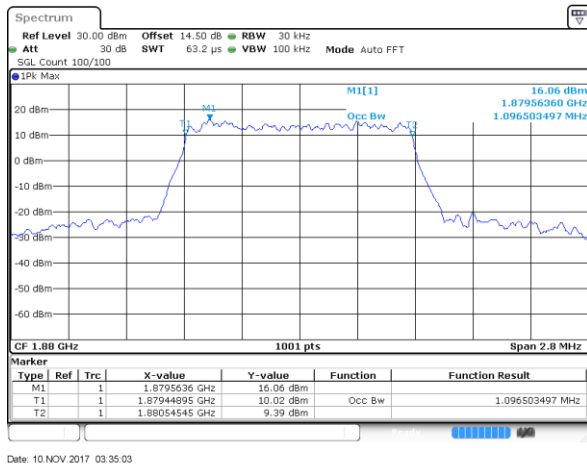
## Lowest Channel / 1.4MHz / QPSK



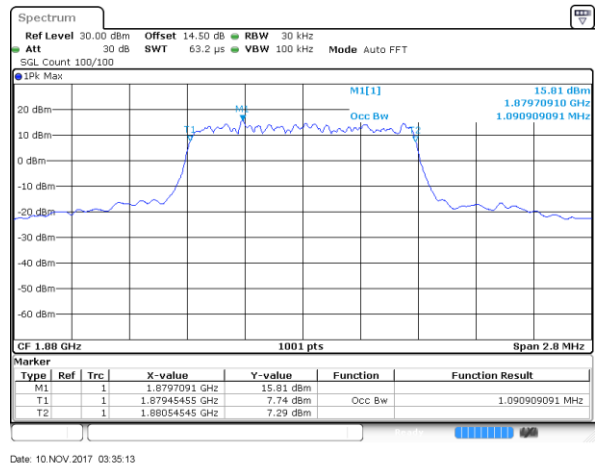
## Lowest Channel / 1.4MHz / 16QAM



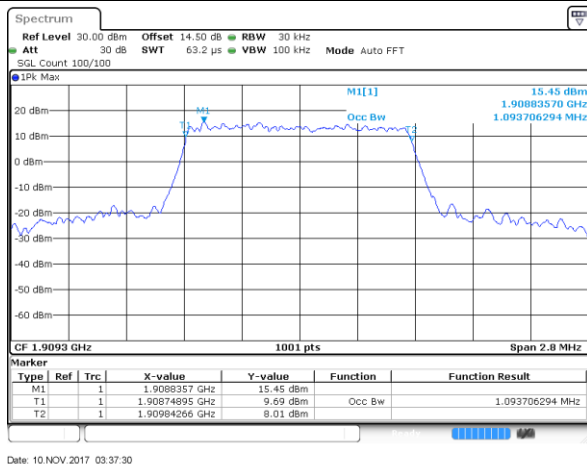
## Middle Channel / 1.4MHz / QPSK



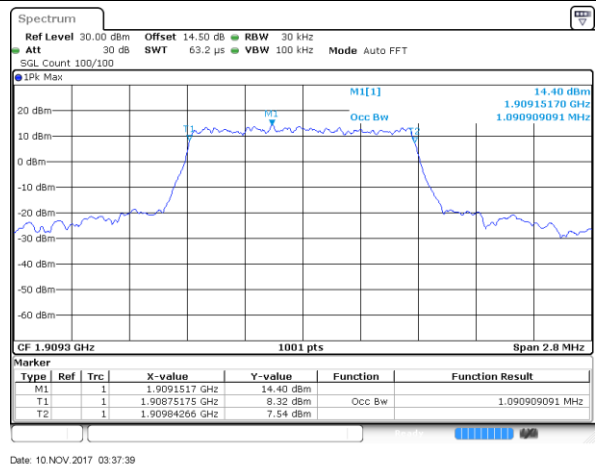
## Middle Channel / 1.4MHz / 16QAM



## Highest Channel / 1.4MHz / QPSK



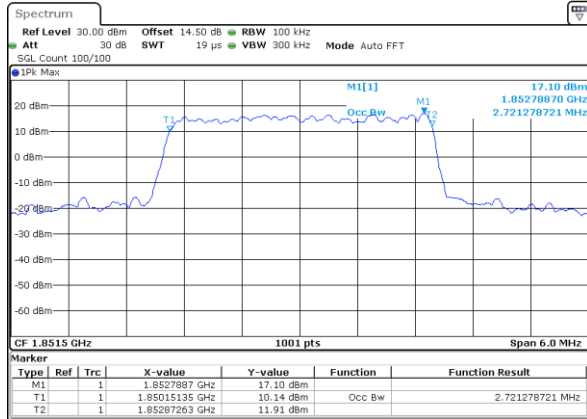
## Highest Channel / 1.4MHz / 16QAM





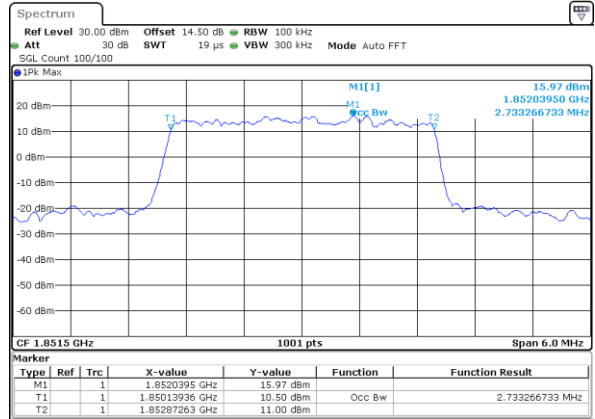
## LTE Band 2

## Lowest Channel / 3MHz / QPSK



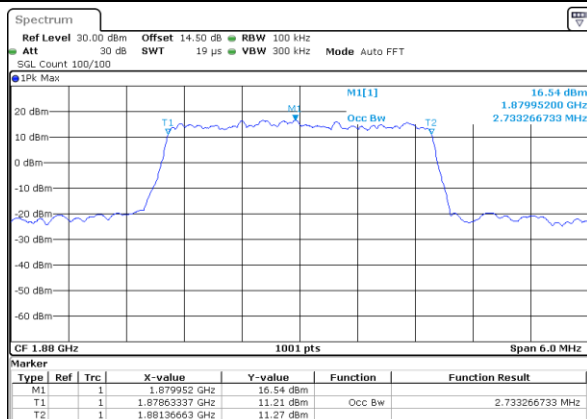
Date: 10 NOV 2017 03:44:27

## Lowest Channel / 3MHz / 16QAM



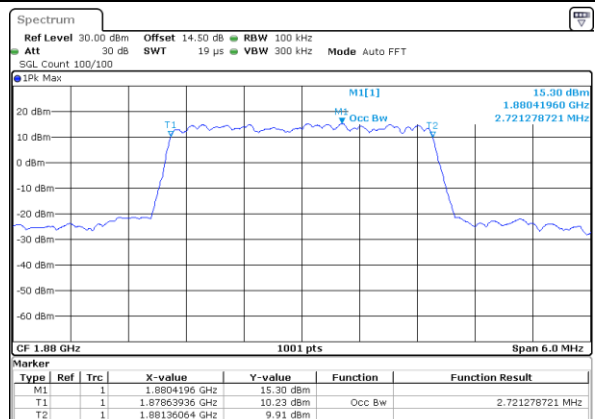
Date: 10 NOV 2017 03:44:37

## Middle Channel / 3MHz / QPSK



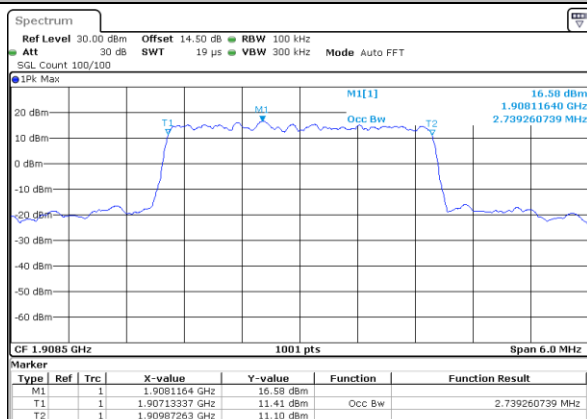
Date: 10 NOV 2017 03:51:24

## Middle Channel / 3MHz / 16QAM



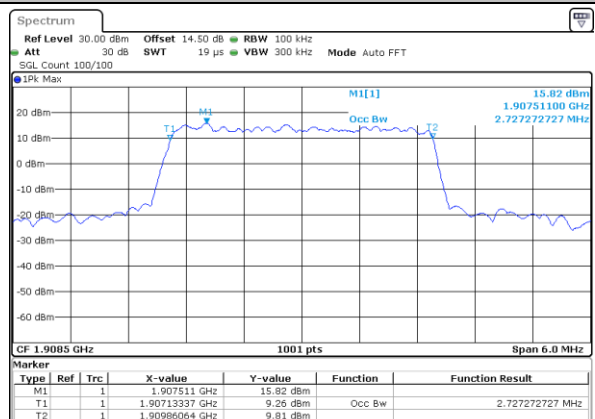
Date: 10 NOV 2017 03:51:34

## Highest Channel / 3MHz / QPSK



Date: 10 NOV 2017 03:53:50

## Highest Channel / 3MHz / 16QAM

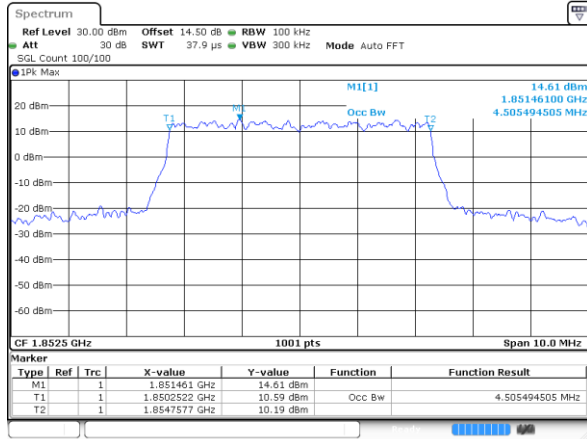


Date: 10 NOV 2017 03:54:00



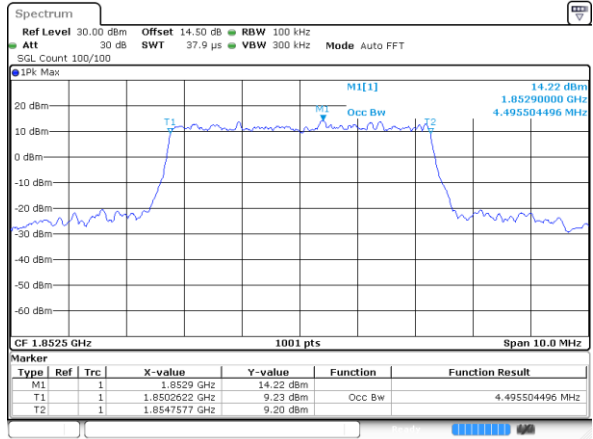
## LTE Band 2

## Lowest Channel / 5MHz / QPSK



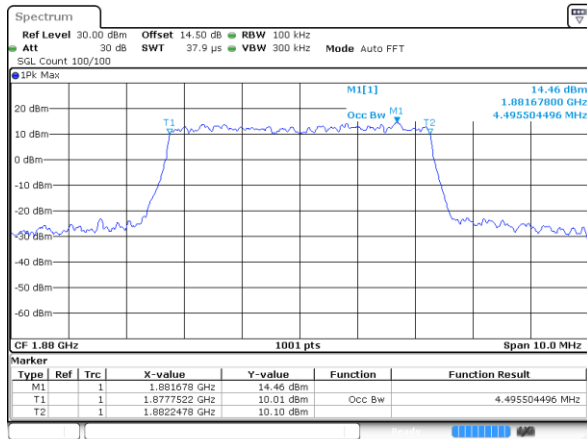
Date: 10 NOV 2017 04:00:47

## Lowest Channel / 5MHz / 16QAM



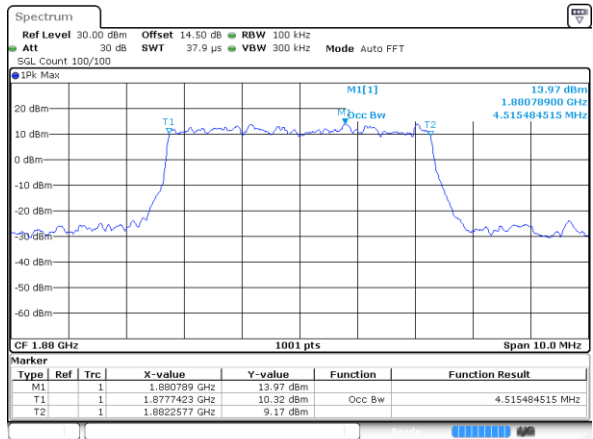
Date: 10 NOV 2017 04:00:57

## Middle Channel / 5MHz / QPSK



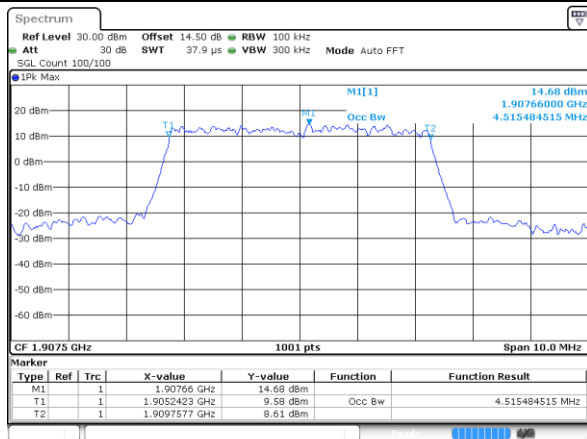
Date: 10 NOV 2017 04:07:45

## Middle Channel / 5MHz / 16QAM



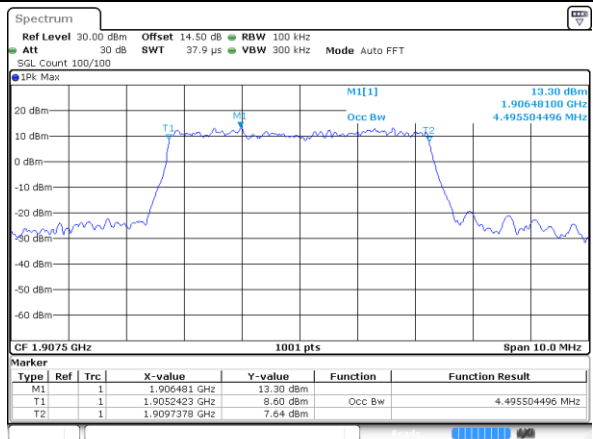
Date: 10 NOV 2017 04:07:55

## Highest Channel / 5MHz / QPSK



Date: 10 NOV 2017 04:10:11

## Highest Channel / 5MHz / 16QAM

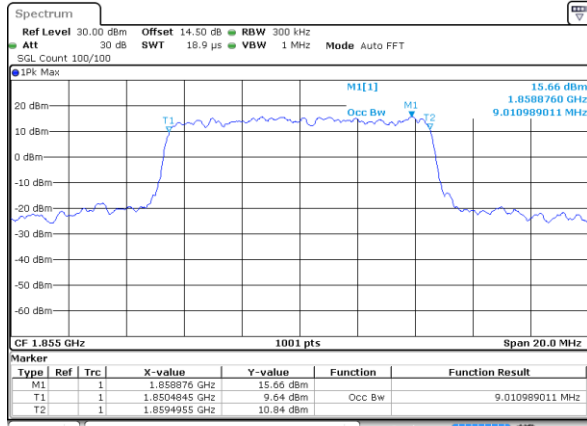


Date: 10 NOV 2017 04:10:21



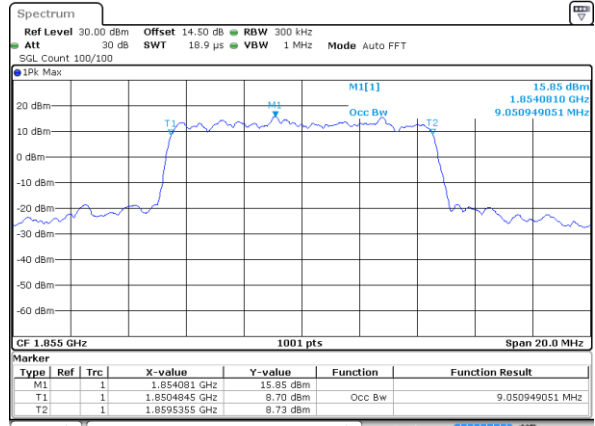
## LTE Band 2

## Lowest Channel / 10MHz / QPSK



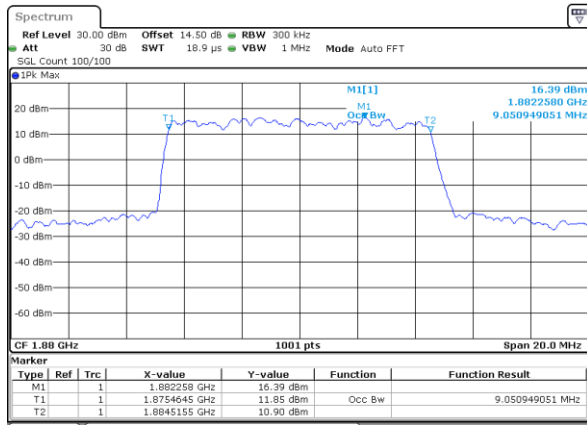
Date: 10 NOV 2017 04:17:08

## Lowest Channel / 10MHz / 16QAM



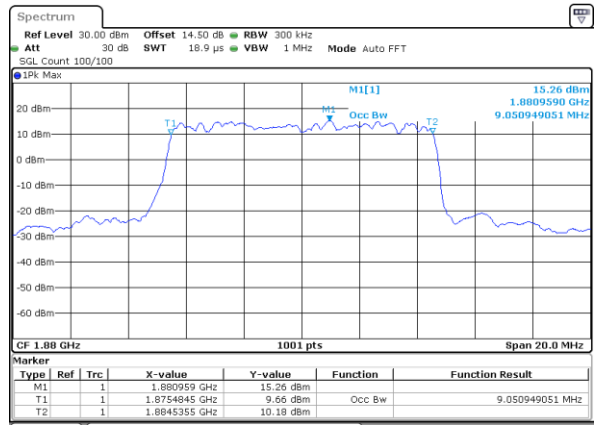
Date: 10 NOV 2017 04:17:18

## Middle Channel / 10MHz / QPSK



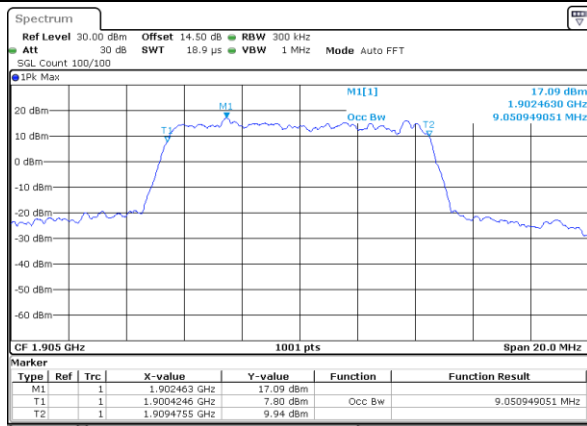
Date: 10 NOV 2017 04:24:05

## Middle Channel / 10MHz / 16QAM



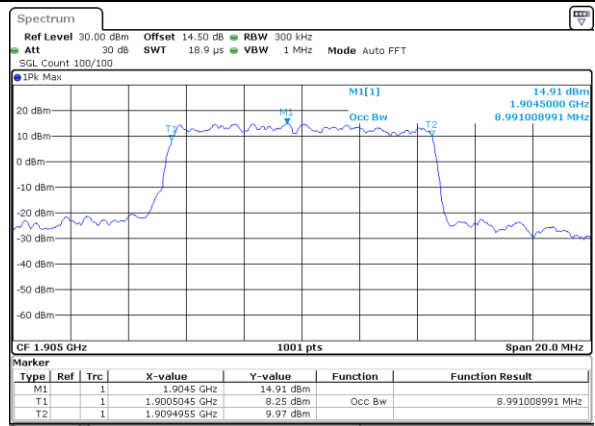
Date: 10 NOV 2017 04:24:15

## Highest Channel / 10MHz / QPSK



Date: 10 NOV 2017 04:26:31

## Highest Channel / 10MHz / 16QAM

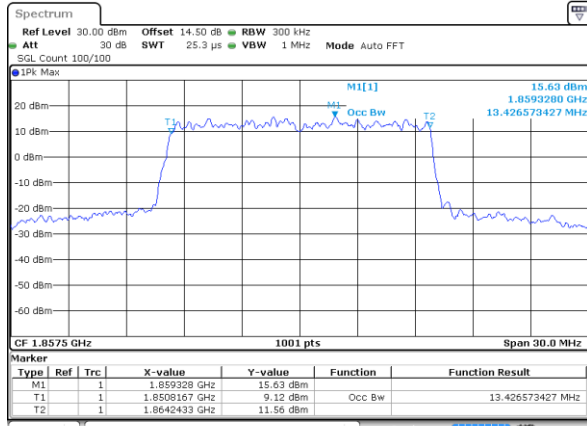


Date: 10 NOV 2017 04:26:41



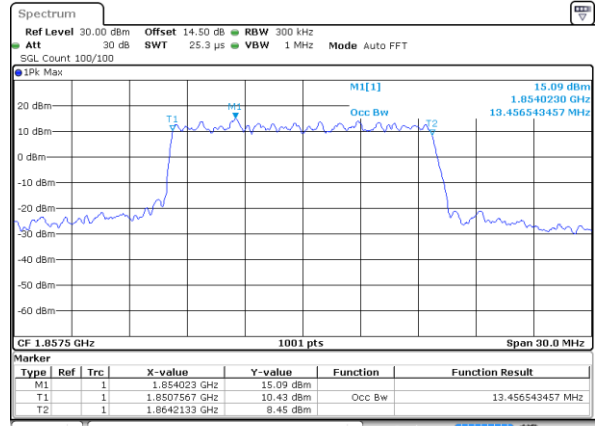
## LTE Band 2

## Lowest Channel / 15MHz / QPSK



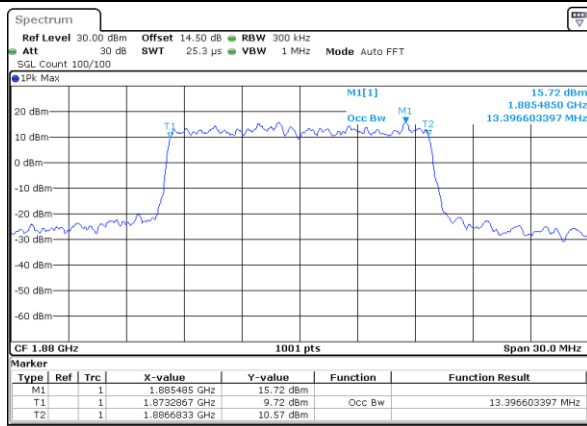
Date: 10 NOV 2017 04:33:28

## Lowest Channel / 15MHz / 16QAM



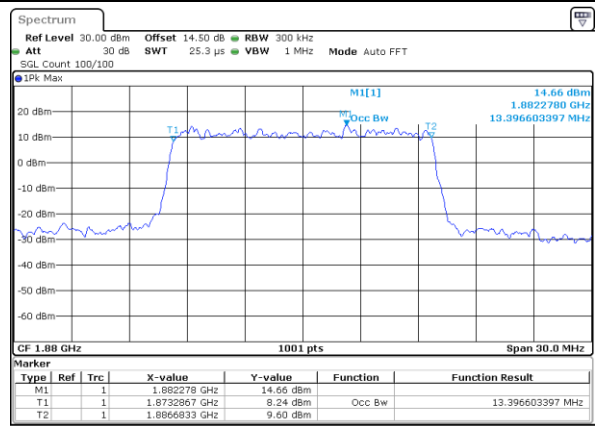
Date: 10 NOV 2017 04:33:38

## Middle Channel / 15MHz / QPSK



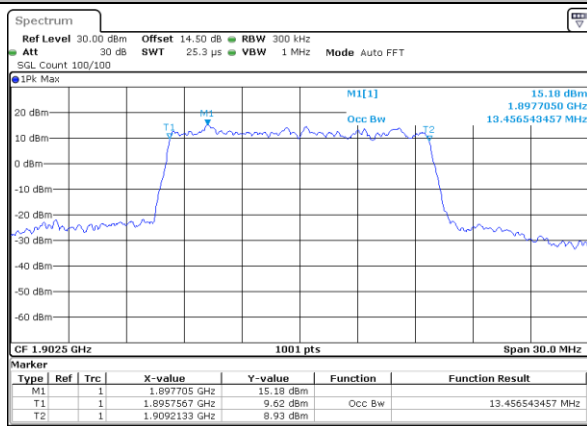
Date: 10 NOV 2017 04:40:26

## Middle Channel / 15MHz / 16QAM



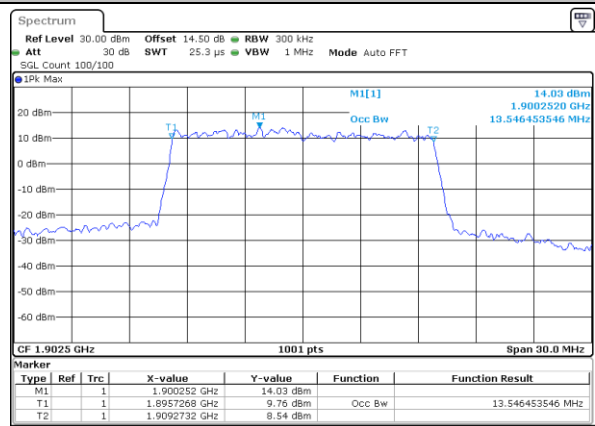
Date: 10 NOV 2017 04:40:36

## Highest Channel / 15MHz / QPSK



Date: 10 NOV 2017 04:42:51

## Highest Channel / 15MHz / 16QAM



Date: 10 NOV 2017 04:43:01