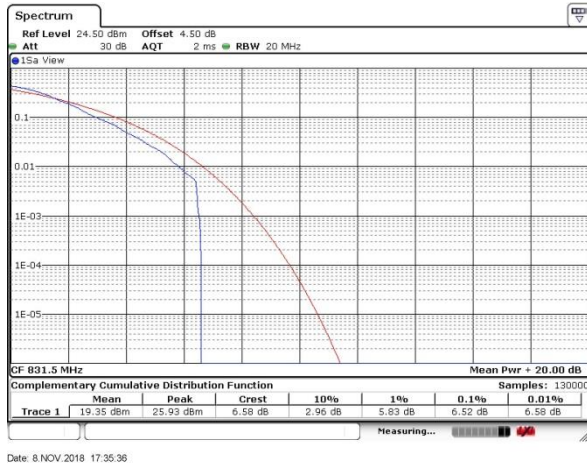


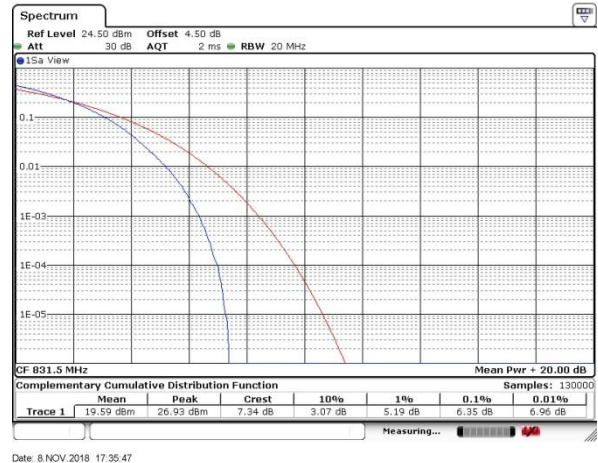


## LTE Band 26 / 15MHz / 64QAM

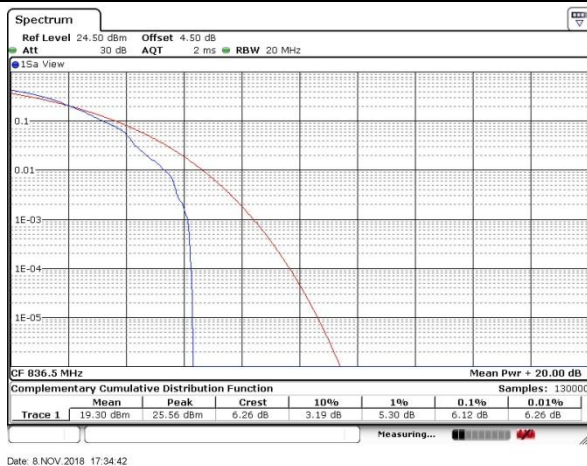
## Lowest Channel / 1RB



## Lowest Channel / Full RB



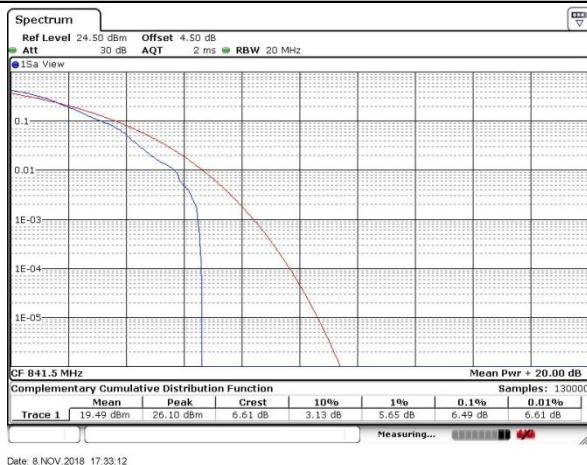
## Middle Channel / 1RB



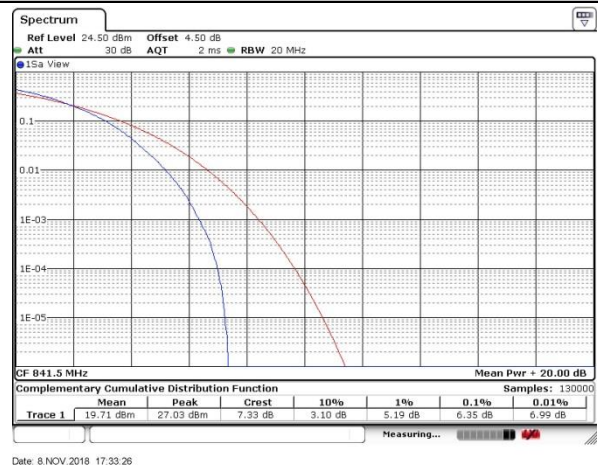
## Middle Channel / Full RB



## Highest Channel / 1RB



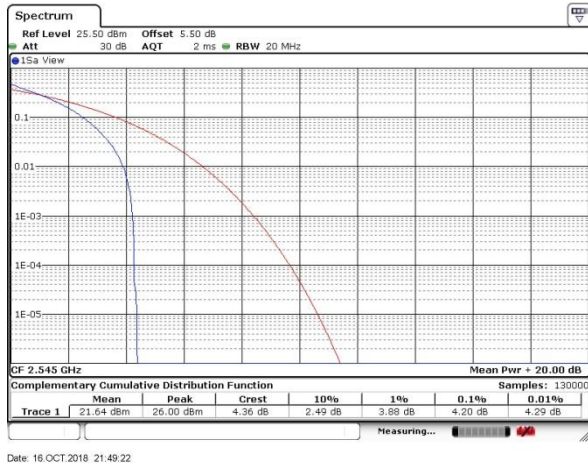
## Highest Channel / Full RB



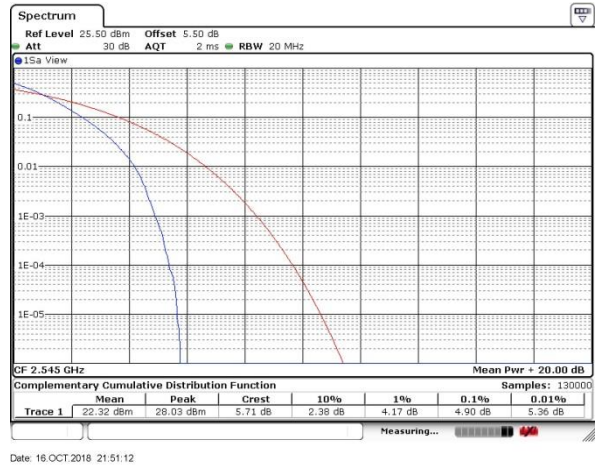


## LTE Band 41 / 20MHz / QPSK

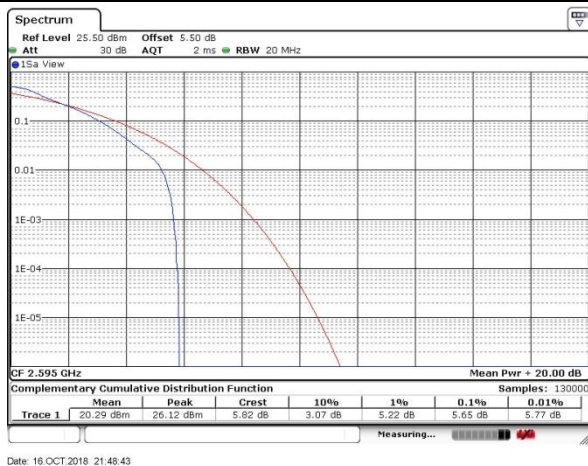
## Lowest Channel / 1RB



## Lowest Channel / Full RB



## Middle Channel / 1RB



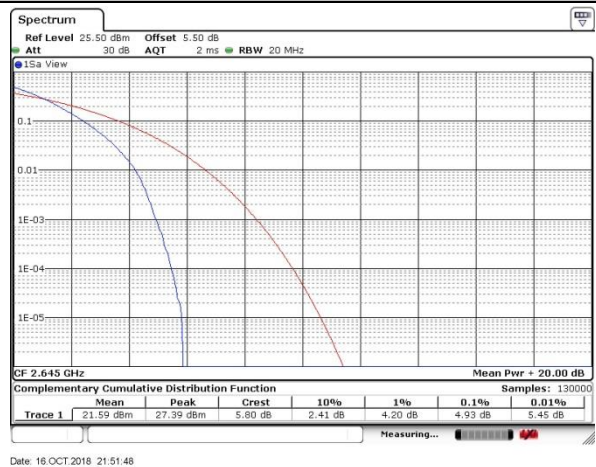
## Middle Channel / Full RB



## Highest Channel / 1RB



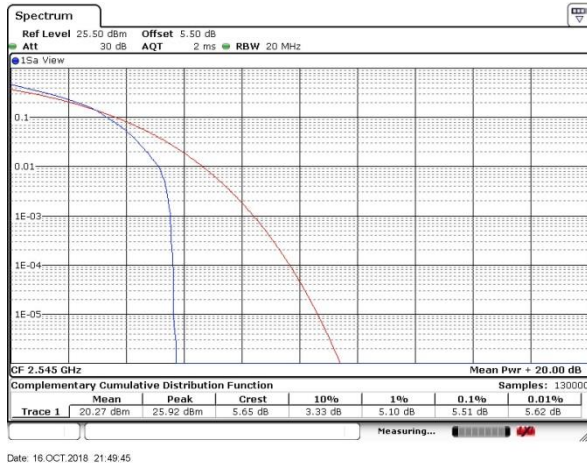
## Highest Channel / Full RB





## LTE Band 41 / 20MHz / 16QAM

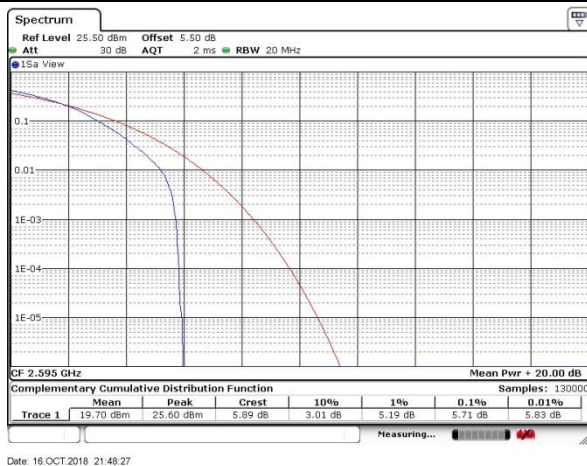
## Lowest Channel / 1RB



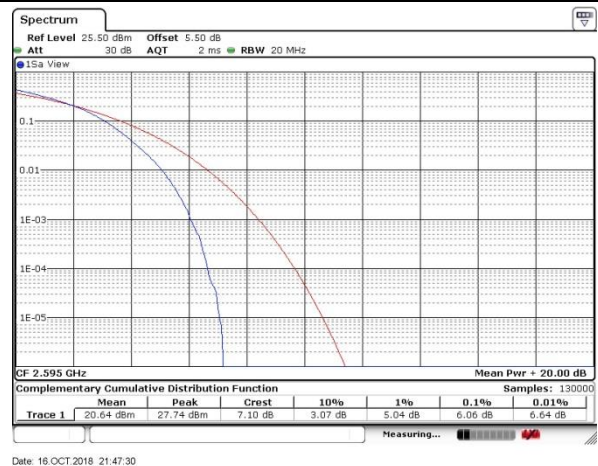
## Lowest Channel / Full RB



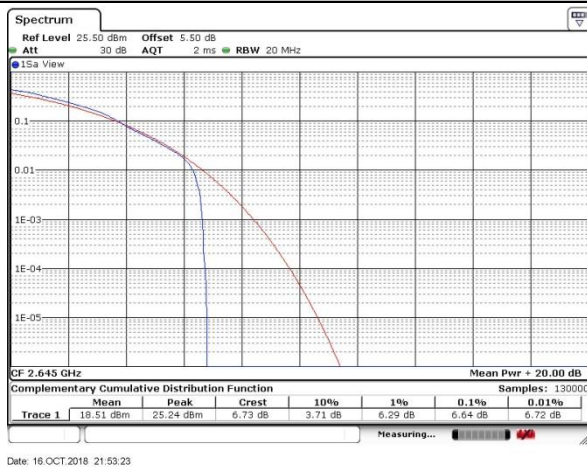
## Middle Channel / 1RB



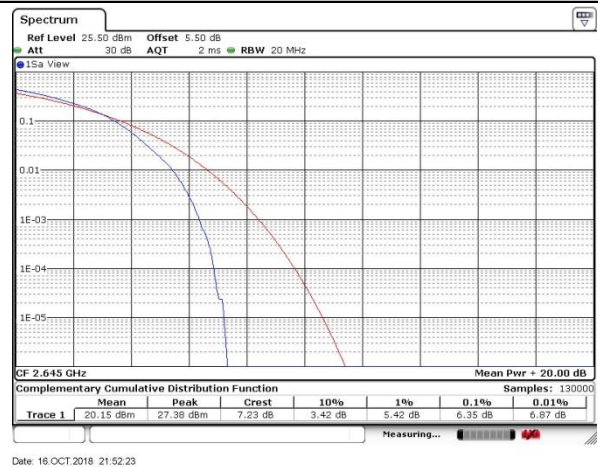
## Middle Channel / Full RB



## Highest Channel / 1RB



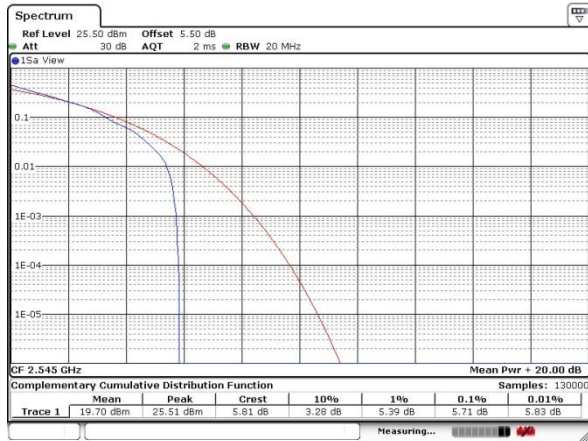
## Highest Channel / Full RB



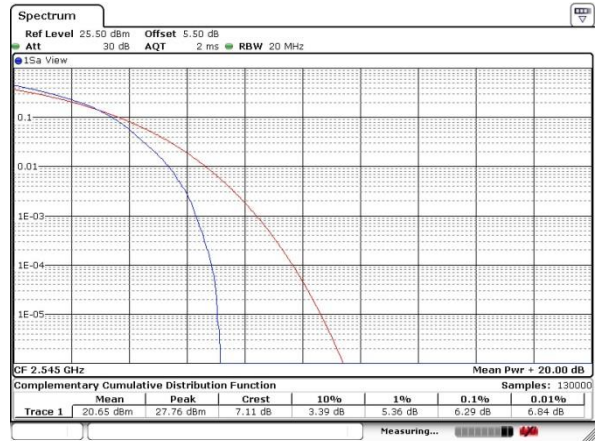


## LTE Band 41 / 20MHz / 64QAM

## Lowest Channel / 1RB



## Lowest Channel / Full RB



## Middle Channel / 1RB



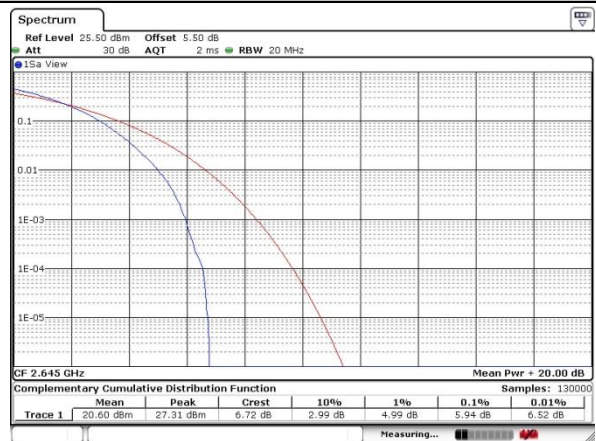
## Middle Channel / Full RB



## Highest Channel / 1RB



## Highest Channel / Full RB



**26dB Bandwidth**

| Mode       | LTE Band 2 : 26dB BW(MHz) |       |       |       |       |       |       |       |        |        |       |       |
|------------|---------------------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|-------|-------|
| BW         | 1.4MHz                    |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz  |        | 20MHz |       |
| Mod.       | QPSK                      | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK   | 16QAM  | QPSK  | 16QAM |
| Lowest CH  | 1.273                     | 1.278 | 2.979 | 2.997 | 4.835 | 4.955 | 9.73  | 9.73  | 14.416 | 14.505 | 20.02 | 20.02 |
| Middle CH  | 1.267                     | 1.306 | 2.991 | 3.009 | 4.885 | 4.875 | 9.93  | 9.69  | 14.326 | 14.386 | 20.3  | 20.14 |
| Highest CH | 1.25                      | 1.234 | 3.057 | 3.015 | 4.895 | 4.795 | 9.81  | 9.73  | 14.176 | 14.236 | 20.18 | 20.18 |
| BW         | 1.4MHz                    |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz  |        | 20MHz |       |
| Mod.       | 64QAM                     |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM  |        | 64QAM |       |
| Lowest CH  | 1.278                     |       | 3.003 |       | 4.885 |       | 9.85  |       | 14.206 |        | 20.22 |       |
| Middle CH  | 1.256                     |       | 3.003 |       | 4.945 |       | 9.93  |       | 14.326 |        | 20.02 |       |
| Highest CH | 1.276                     |       | 2.997 |       | 4.895 |       | 9.89  |       | 14.326 |        | 20.10 |       |

| Mode       | LTE Band 4 : 26dB BW(MHz) |       |       |       |       |       |       |       |        |        |       |       |
|------------|---------------------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|-------|-------|
| BW         | 1.4MHz                    |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz  |        | 20MHz |       |
| Mod.       | QPSK                      | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK   | 16QAM  | QPSK  | 16QAM |
| Lowest CH  | 1.276                     | 1.278 | 3.045 | 3.039 | 4.875 | 4.855 | 9.71  | 9.69  | 14.416 | 14.595 | 19.94 | 20.06 |
| Middle CH  | 1.284                     | 1.239 | 3.015 | 2.979 | 4.935 | 4.895 | 9.91  | 9.77  | 14.505 | 14.476 | 20.18 | 20.18 |
| Highest CH | 1.273                     | 1.26  | 2.997 | 2.991 | 4.915 | 4.875 | 9.65  | 9.73  | 14.206 | 14.386 | 20.14 | 20.06 |
| BW         | 1.4MHz                    |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz  |        | 20MHz |       |
| Mod.       | 64QAM                     |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM  |        | 64QAM |       |
| Lowest CH  | 1.278                     |       | 2.997 |       | 4.925 |       | 9.79  |       | 14.176 |        | 20.02 |       |
| Middle CH  | 1.264                     |       | 3.009 |       | 4.795 |       | 9.83  |       | 14.356 |        | 20.06 |       |
| Highest CH | 1.276                     |       | 3.021 |       | 4.905 |       | 9.85  |       | 14.146 |        | 20.06 |       |

| Mode       | LTE Band 7 : 26dB BW(MHz) |       |       |       |       |       |       |       |        |        |       |       |
|------------|---------------------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|-------|-------|
| BW         | 1.4MHz                    |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz  |        | 20MHz |       |
| Mod.       | QPSK                      | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK   | 16QAM  | QPSK  | 16QAM |
| Lowest CH  | -                         | -     | -     | -     | 4.915 | 4.885 | 9.71  | 9.81  | 14.356 | 14.535 | 20.1  | 20.18 |
| Middle CH  | -                         | -     | -     | -     | 4.965 | 4.835 | 9.71  | 9.79  | 14.236 | 14.476 | 20.18 | 20.1  |
| Highest CH | -                         | -     | -     | -     | 4.865 | 4.945 | 9.97  | 9.87  | 14.476 | 14.625 | 20.18 | 20.02 |
| BW         | 1.4MHz                    |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz  |        | 20MHz |       |
| Mod.       | 64QAM                     |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM  |        | 64QAM |       |
| Lowest CH  | -                         |       | -     |       | 4.935 |       | 9.81  |       | 14.206 |        | 20.22 |       |
| Middle CH  | -                         |       | -     |       | 4.885 |       | 9.83  |       | 14.356 |        | 20.10 |       |
| Highest CH | -                         |       | -     |       | 4.855 |       | 9.75  |       | 14.416 |        | 20.22 |       |



| Mode       | LTE Band 12 : 26dB BW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
|------------|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| BW         | 1.4MHz                     |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | QPSK                       | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Lowest CH  | 1.29                       | 1.25  | 3.009 | 2.979 | 4.885 | 4.855 | 9.95  | 9.73  | -     | -     | -     | -     |
| Middle CH  | 1.273                      | 1.287 | 2.997 | 3.015 | 5.005 | 4.885 | 9.81  | 9.69  | -     | -     | -     | -     |
| Highest CH | 1.264                      | 1.281 | 3.027 | 2.985 | 4.915 | 4.855 | 9.61  | 9.61  | -     | -     | -     | -     |
| BW         | 1.4MHz                     |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | 64QAM                      |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       |
| Lowest CH  | 1.281                      |       | 3.003 |       | 4.875 |       | 9.89  |       | -     |       | -     |       |
| Middle CH  | 1.236                      |       | 3.015 |       | 4.865 |       | 9.73  |       | -     |       | -     |       |
| Highest CH | 1.278                      |       | 2.991 |       | 4.925 |       | 9.73  |       | -     |       | -     |       |

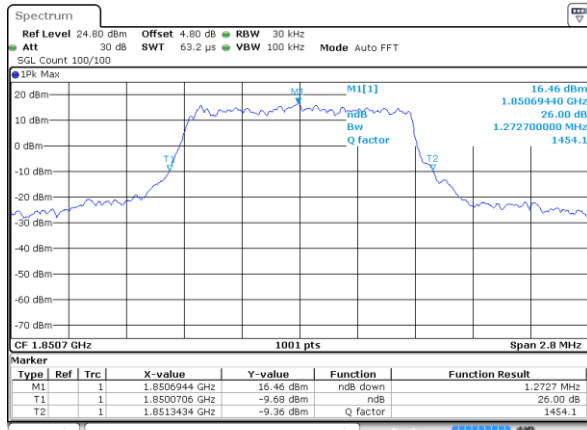
| Mode       | LTE Band 26 : 26dB BW(MHz) |       |       |       |       |       |       |       |        |        |         |        |
|------------|----------------------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|---------|--------|
| BW         | 1.4MHz                     |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz  |        | CH26765 |        |
| Mod.       | QPSK                       | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK   | 16QAM  | QPSK    | 16QAM  |
| Lowest CH  | 1.267                      | 1.301 | 3.003 | 3.021 | 4.915 | 4.875 | 9.67  | 9.71  | 14.356 | 14.236 | 14.296  | 14.565 |
| Middle CH  | 1.259                      | 1.273 | 2.991 | 3.051 | 4.885 | 4.885 | 9.69  | 9.81  | 14.176 | 14.236 | -       | -      |
| Highest CH | 1.295                      | 1.264 | 2.979 | 3.003 | 4.905 | 4.865 | 9.83  | 9.81  | 14.476 | 14.446 | -       | -      |
| BW         | 1.4MHz                     |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz  |        | CH26765 |        |
| Mod.       | 64QAM                      |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM  |        | 64QAM   |        |
| Lowest CH  | 1.262                      |       | 3.021 |       | 4.935 |       | 9.71  |       | 14.535 |        | 14.476  |        |
| Middle CH  | 1.256                      |       | 2.991 |       | 4.915 |       | 9.93  |       | 14.386 |        | -       |        |
| Highest CH | 1.295                      |       | 3.003 |       | 4.835 |       | 9.69  |       | 14.296 |        | -       |        |

| Mode       | LTE Band 41 : 26dB BW(MHz) |       |       |       |       |       |       |       |        |        |       |       |
|------------|----------------------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|-------|-------|
| BW         | 1.4MHz                     |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz  |        | 20MHz |       |
| Mod.       | QPSK                       | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK   | 16QAM  | QPSK  | 16QAM |
| Lowest CH  | -                          | -     | -     | -     | 4.845 | 4.875 | 9.79  | 9.81  | 14.296 | 14.236 | 20.14 | 20.06 |
| Middle CH  | -                          | -     | -     | -     | 4.815 | 4.835 | 9.69  | 9.75  | 14.476 | 14.176 | 19.94 | 20.02 |
| Highest CH | -                          | -     | -     | -     | 4.865 | 4.815 | 9.67  | 9.69  | 14.296 | 14.146 | 20.02 | 19.98 |
| BW         | 1.4MHz                     |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz  |        | 20MHz |       |
| Mod.       | 64QAM                      |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM  |        | 64QAM |       |
| Lowest CH  | -                          |       | -     |       | 4.875 |       | 9.87  |       | 14.116 |        | 20.22 |       |
| Middle CH  | -                          |       | -     |       | 4.885 |       | 9.71  |       | 14.116 |        | 20.10 |       |
| Highest CH | -                          |       | -     |       | 4.955 |       | 9.69  |       | 14.206 |        | 20.02 |       |



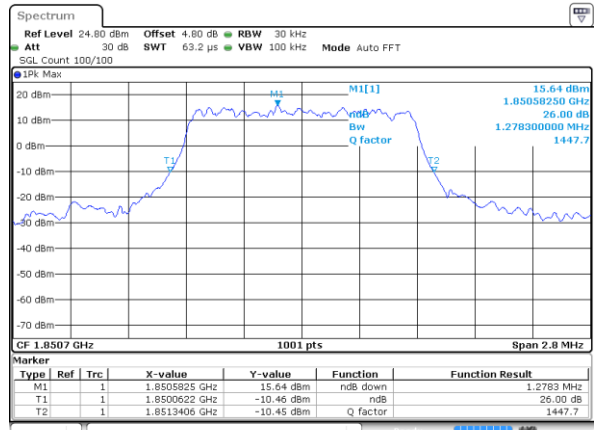
## LTE Band 2

## Lowest Channel / 1.4MHz / QPSK



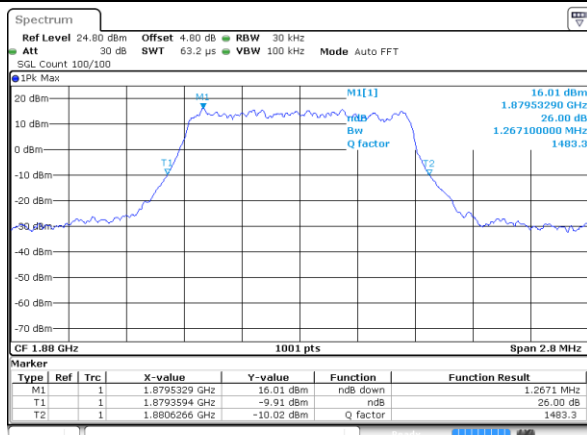
Date: 9 OCT 2018 17:02:01

## Lowest Channel / 1.4MHz / 16QAM



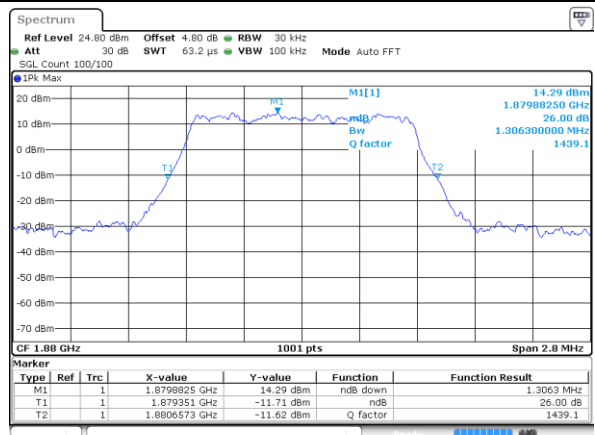
Date: 9 OCT 2018 17:02:11

## Middle Channel / 1.4MHz / QPSK



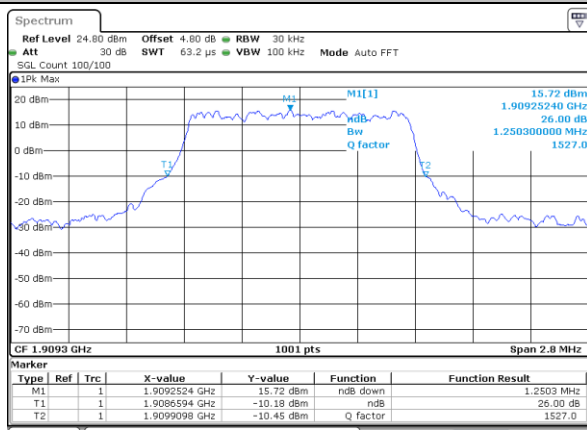
Date: 9 OCT 2018 17:09:04

## Middle Channel / 1.4MHz / 16QAM



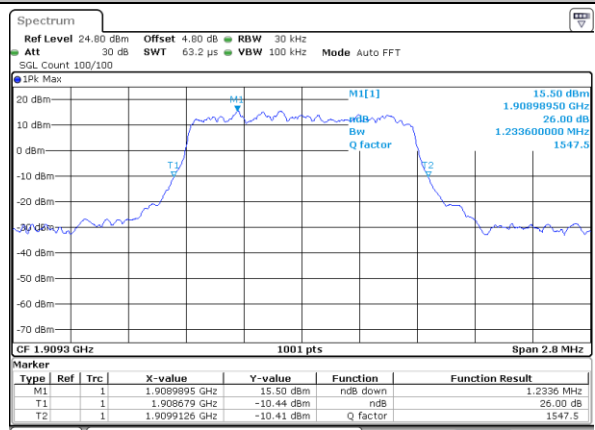
Date: 9 OCT 2018 17:09:14

## Highest Channel / 1.4MHz / QPSK



Date: 9 OCT 2018 17:11:32

## Highest Channel / 1.4MHz / 16QAM

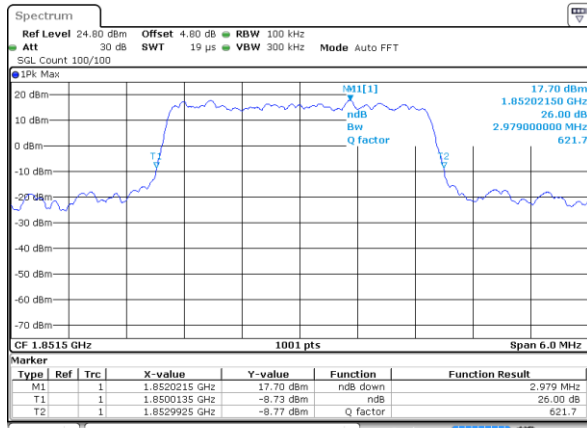


Date: 9 OCT 2018 17:11:42



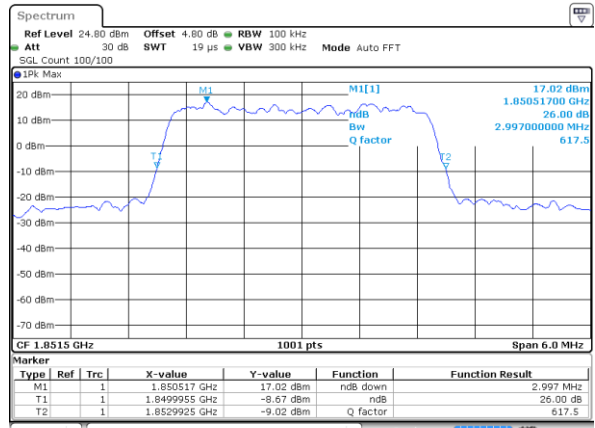
## LTE Band 2

## Lowest Channel / 3MHz / QPSK



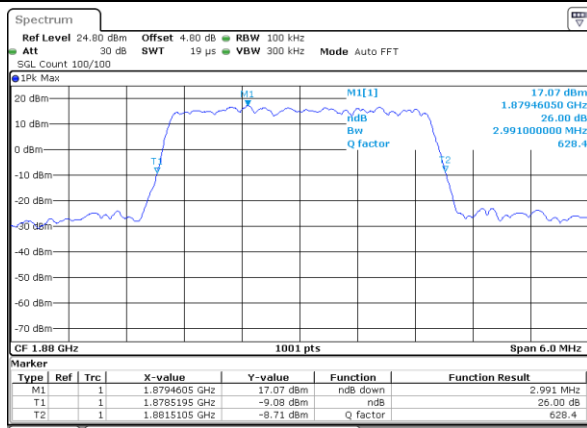
Date: 9.OCT.2018 17:18:36

## Lowest Channel / 3MHz / 16QAM



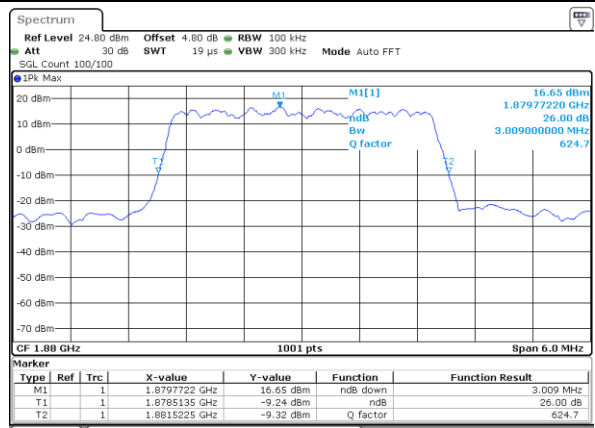
Date: 9.OCT.2018 17:18:46

## Middle Channel / 3MHz / QPSK



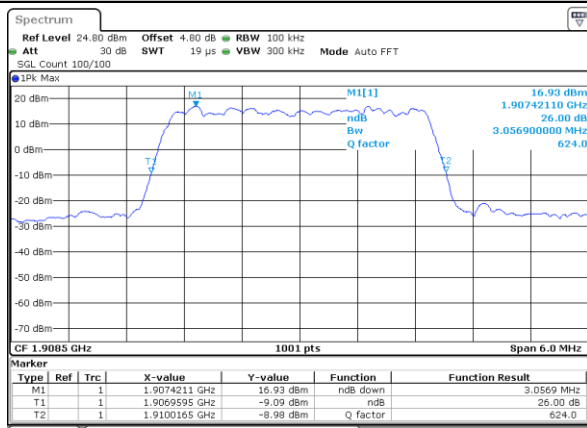
Date: 9.OCT.2018 17:25:38

## Middle Channel / 3MHz / 16QAM



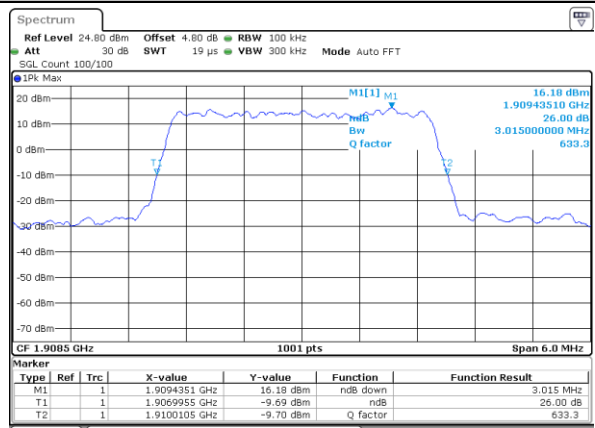
Date: 9.OCT.2018 17:25:48

## Highest Channel / 3MHz / QPSK



Date: 9.OCT.2018 17:28:06

## Highest Channel / 3MHz / 16QAM

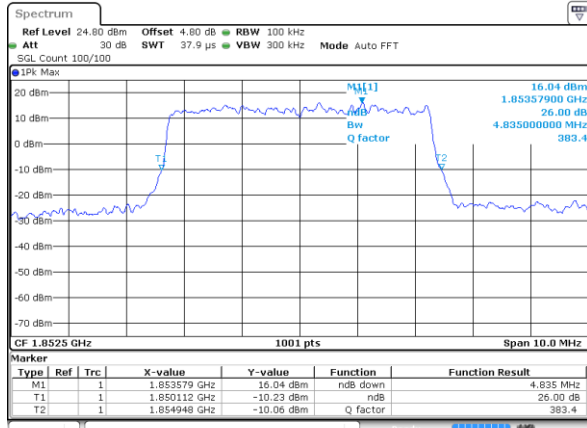


Date: 9.OCT.2018 17:28:16

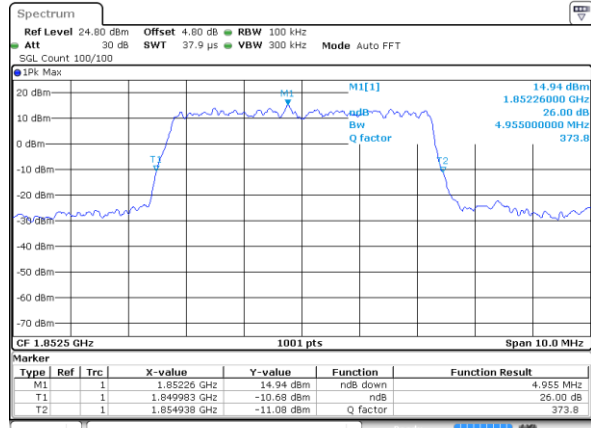


## LTE Band 2

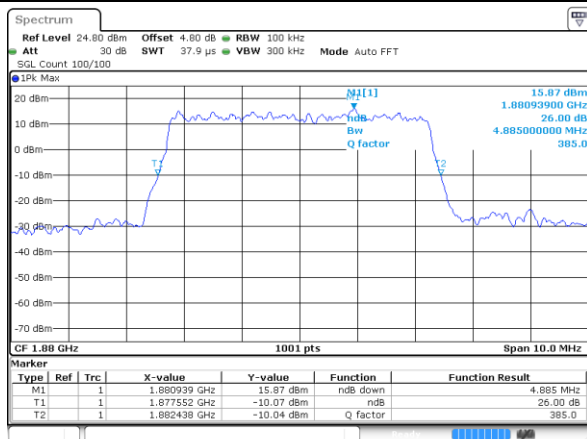
## Lowest Channel / 5MHz / QPSK



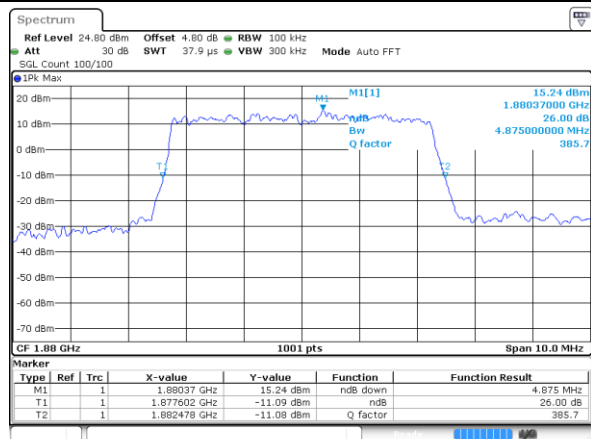
## Lowest Channel / 5MHz / 16QAM



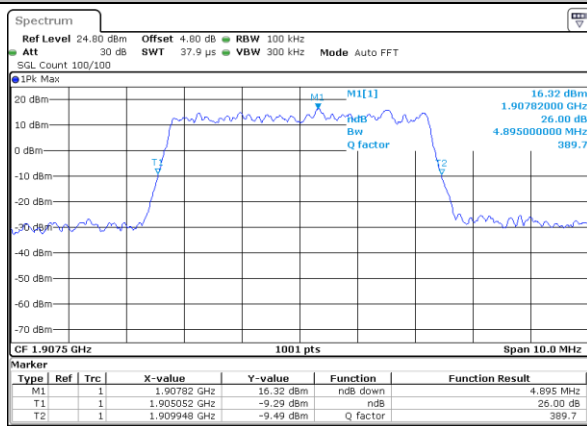
## Middle Channel / 5MHz / QPSK



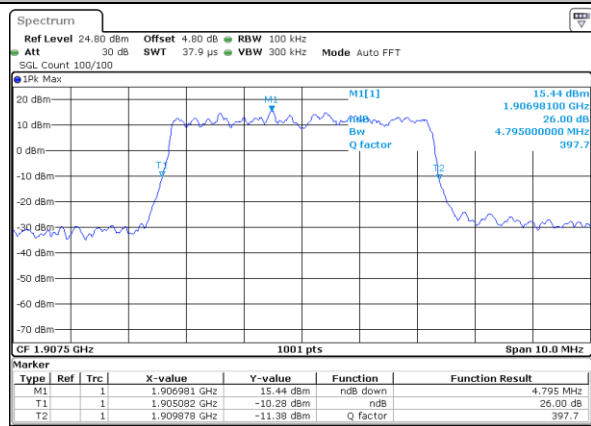
## Middle Channel / 5MHz / 16QAM



## Highest Channel / 5MHz / QPSK



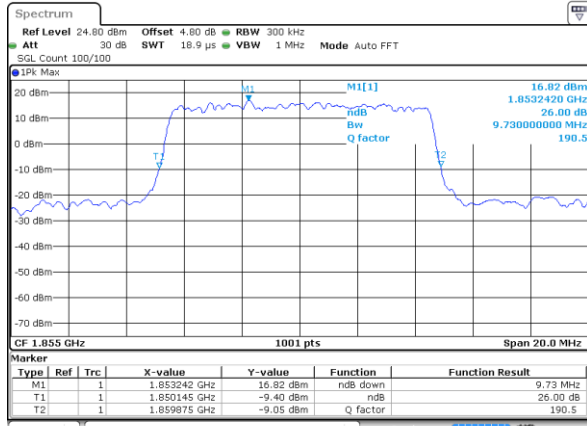
## Highest Channel / 5MHz / 16QAM



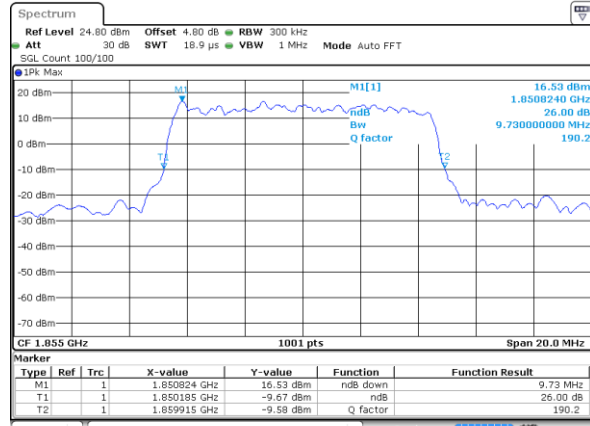


## LTE Band 2

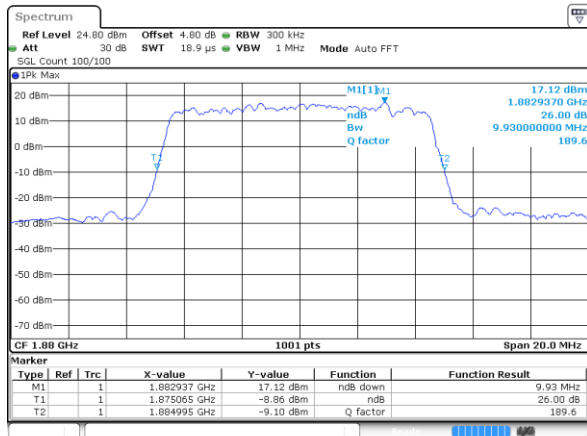
## Lowest Channel / 10MHz / QPSK



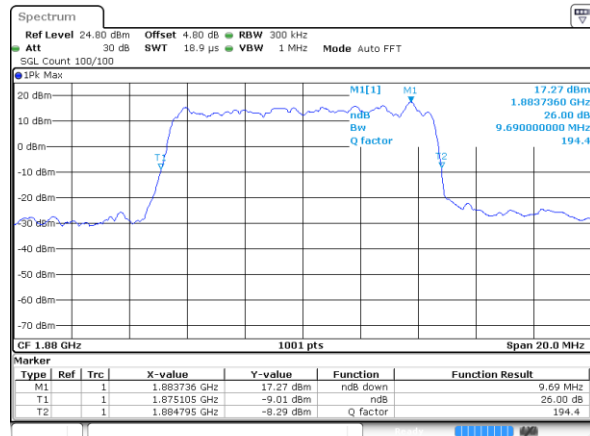
## Lowest Channel / 10MHz / 16QAM



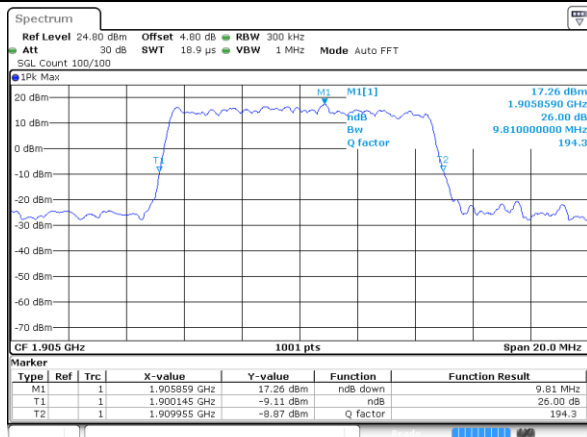
## Middle Channel / 10MHz / QPSK



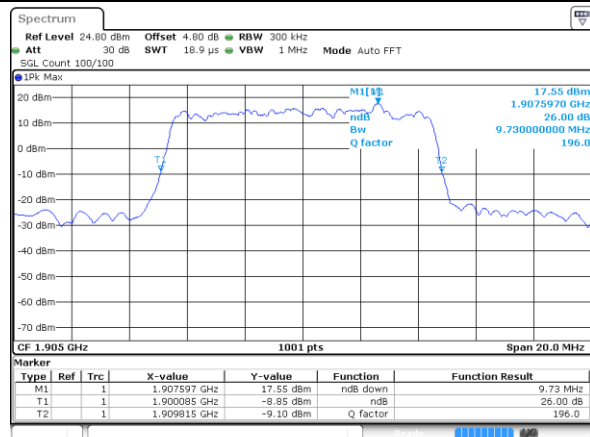
## Middle Channel / 10MHz / 16QAM



## Highest Channel / 10MHz / QPSK



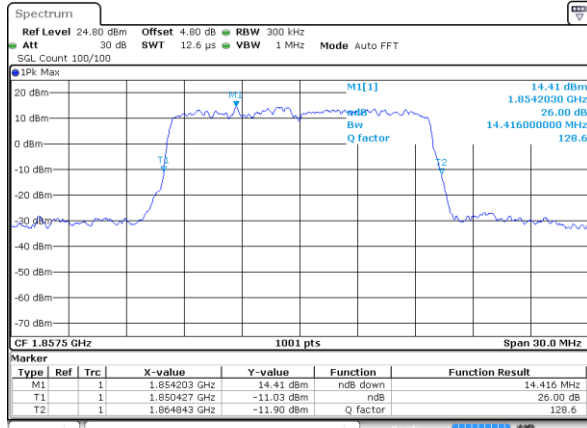
## Highest Channel / 10MHz / 16QAM



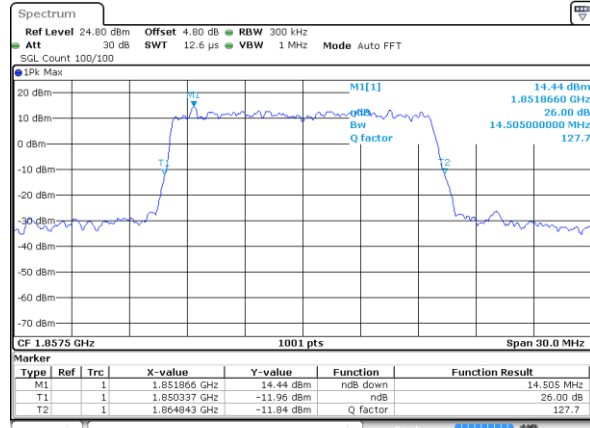


## LTE Band 2

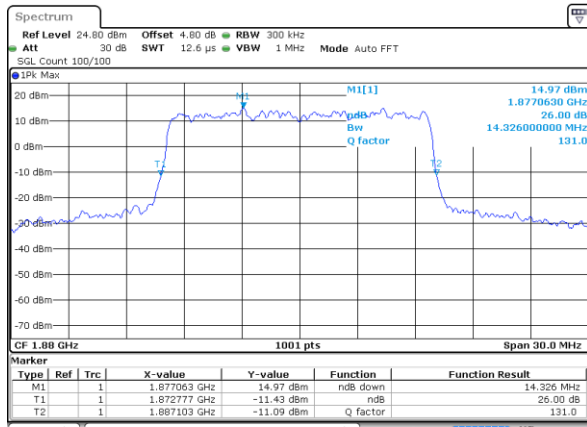
## Lowest Channel / 15MHz / QPSK



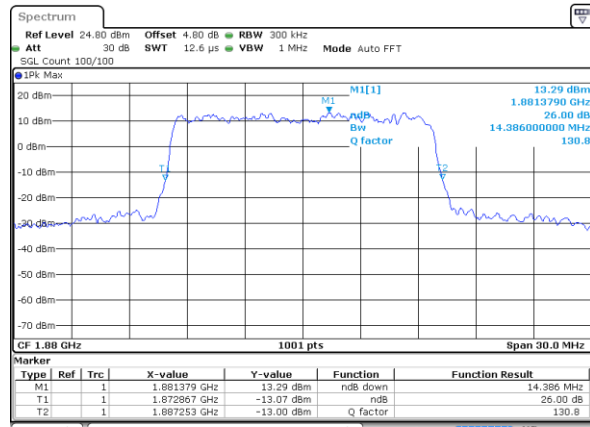
## Lowest Channel / 15MHz / 16QAM



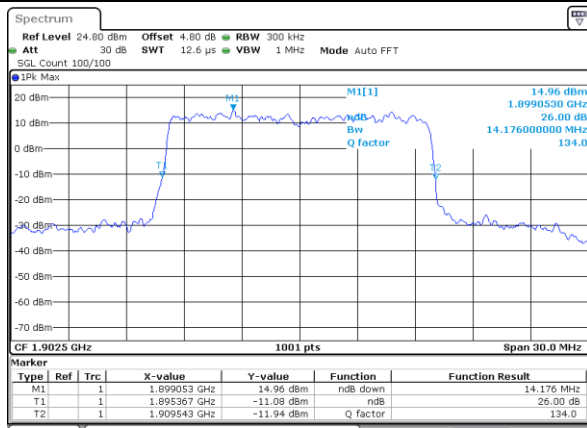
## Middle Channel / 15MHz / QPSK



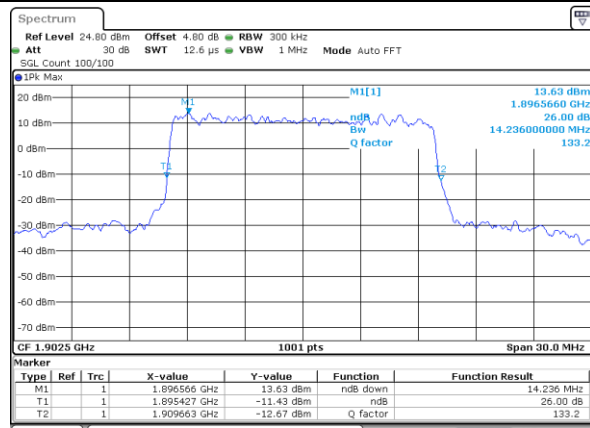
## Middle Channel / 15MHz / 16QAM



## Highest Channel / 15MHz / QPSK



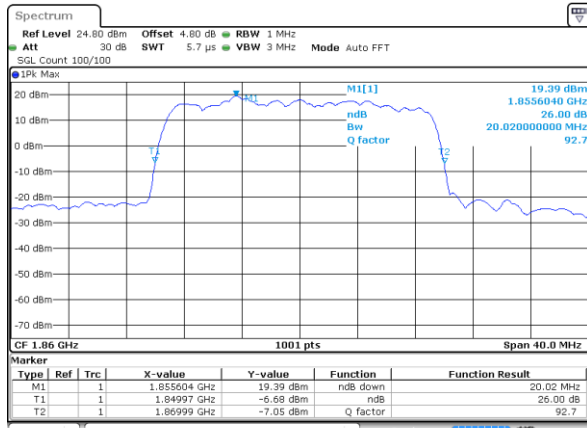
## Highest Channel / 15MHz / 16QAM





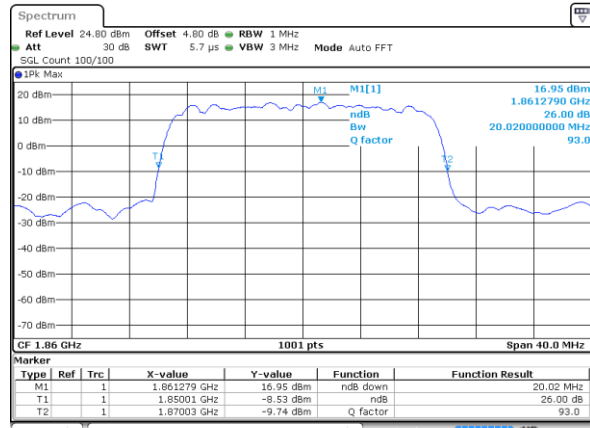
## LTE Band 2

## Lowest Channel / 20MHz / QPSK



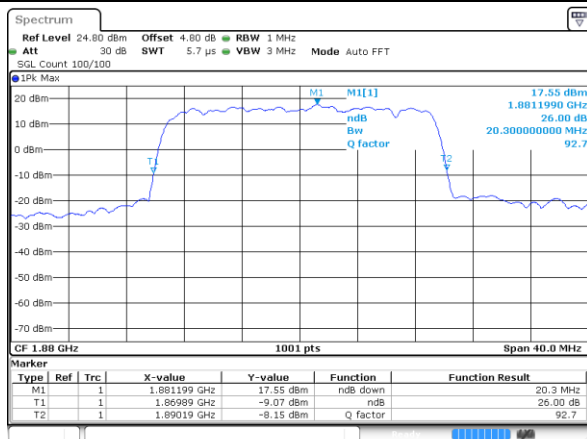
Date: 10.OCT.2018 11:44:01

## Lowest Channel / 20MHz / 16QAM



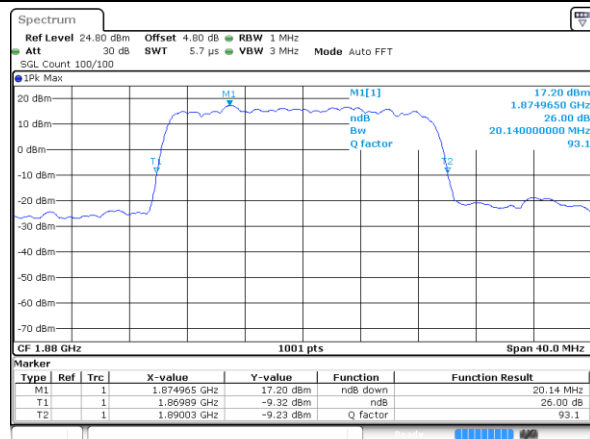
Date: 10.OCT.2018 11:44:11

## Middle Channel / 20MHz / QPSK



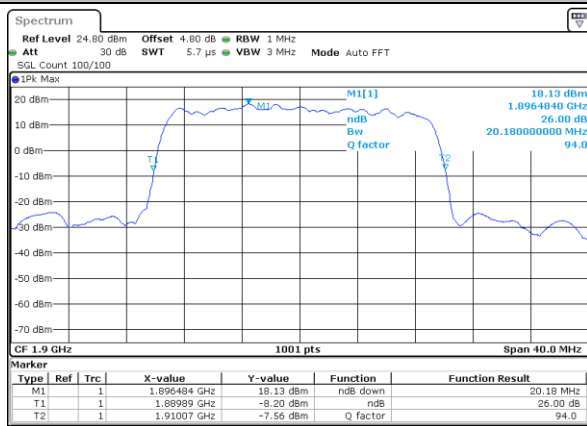
Date: 10.OCT.2018 11:51:00

## Middle Channel / 20MHz / 16QAM



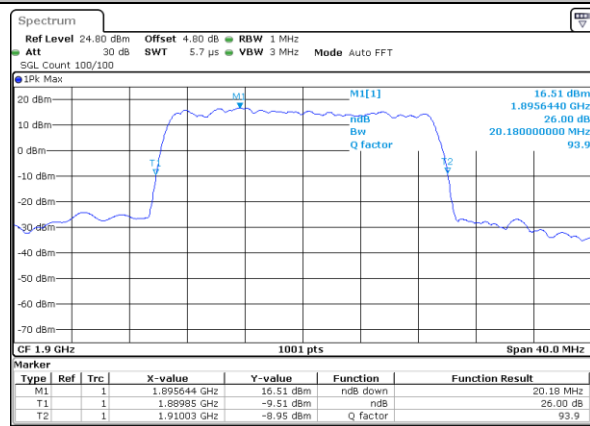
Date: 10.OCT.2018 11:51:10

## Highest Channel / 20MHz / QPSK



Date: 10.OCT.2018 11:53:30

## Highest Channel / 20MHz / 16QAM

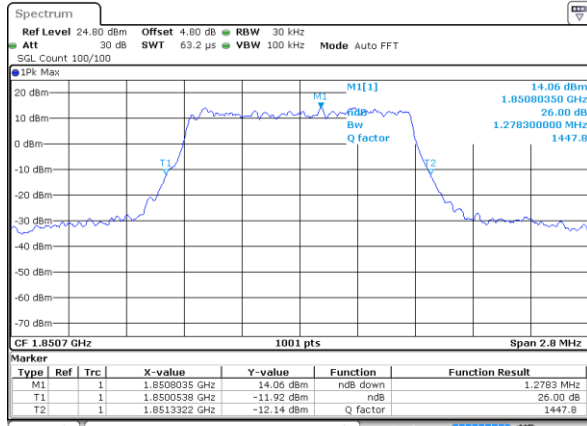


Date: 10.OCT.2018 11:53:40



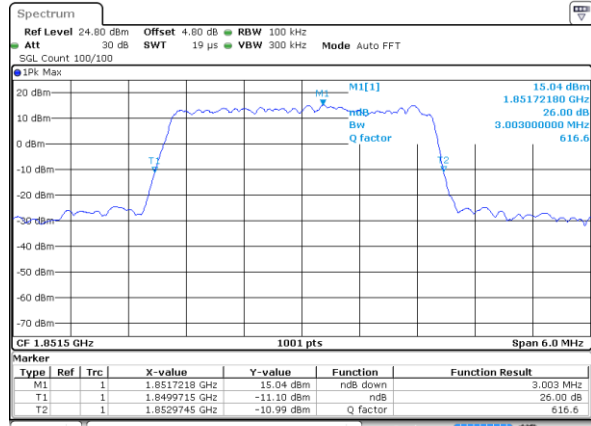
## LTE Band 2

## Lowest Channel / 1.4MHz / 64QAM



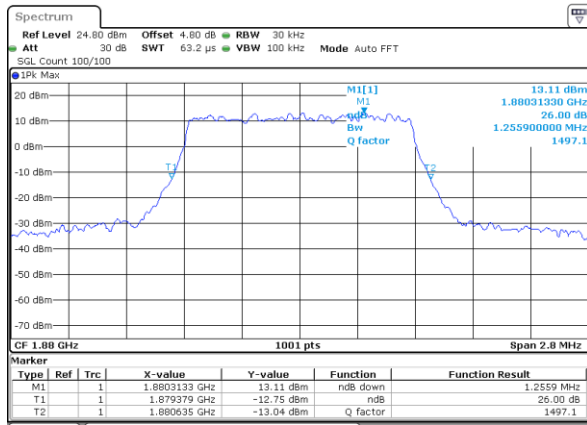
Date: 12.OCT.2018 18:59:17

## Lowest Channel / 3MHz / 64QAM



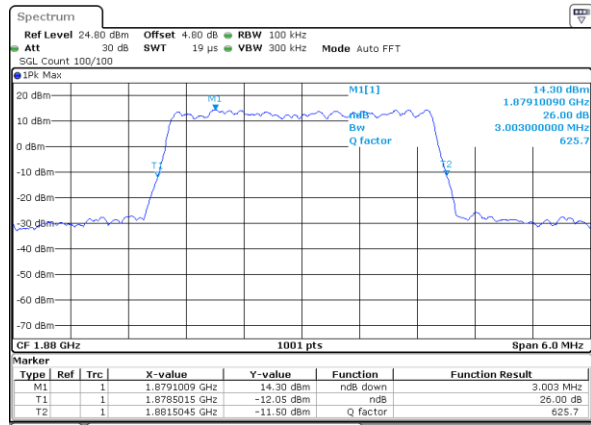
Date: 12.OCT.2018 18:59:46

## Middle Channel / 1.4MHz / 64QAM



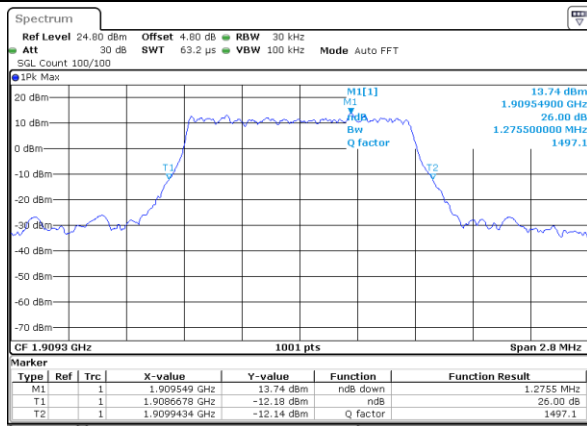
Date: 12.OCT.2018 18:59:26

## Middle Channel / 3MHz / 64QAM



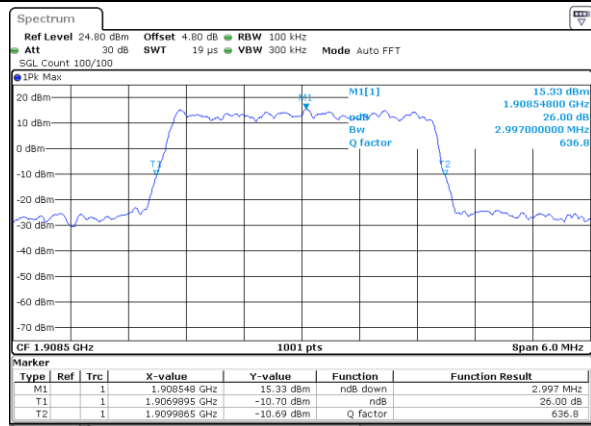
Date: 12.OCT.2018 18:59:56

## Highest Channel / 1.4MHz / 64QAM



Date: 12.OCT.2018 18:59:36

## Highest Channel / 3MHz / 64QAM

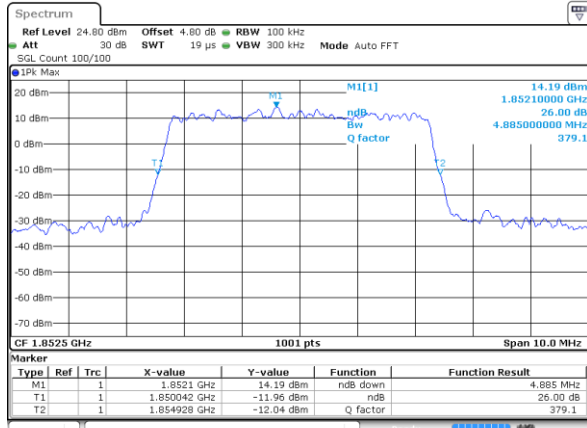


Date: 12.OCT.2018 19:00:06



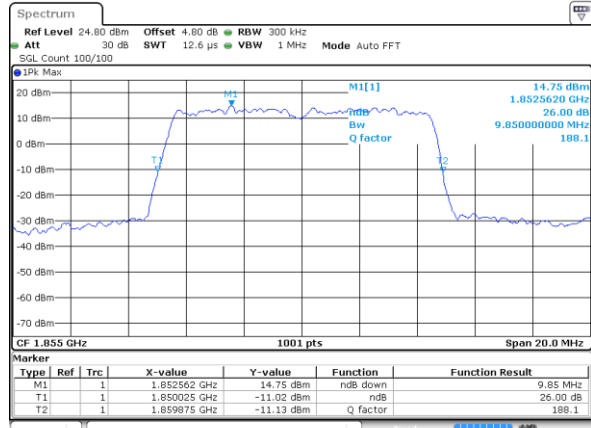
## LTE Band 2

## Lowest Channel / 5MHz / 64QAM



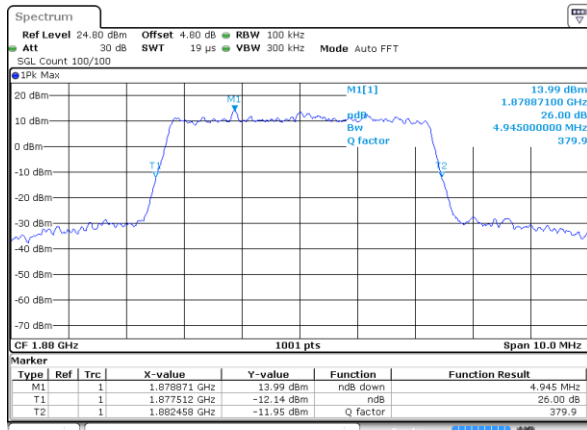
Date: 12.OCT.2018 19:00:16

## Lowest Channel / 10MHz / 64QAM



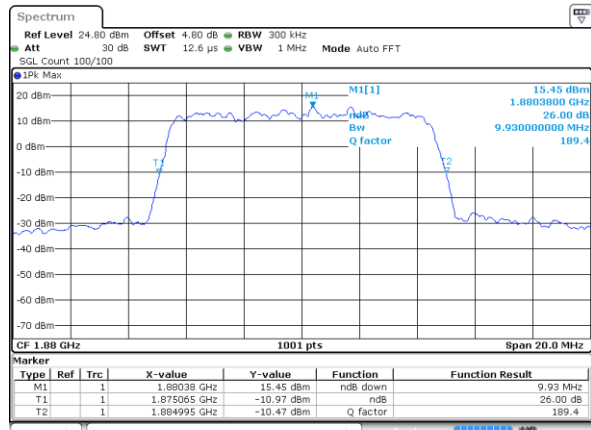
Date: 12.OCT.2018 19:00:46

## Middle Channel / 5MHz / 64QAM



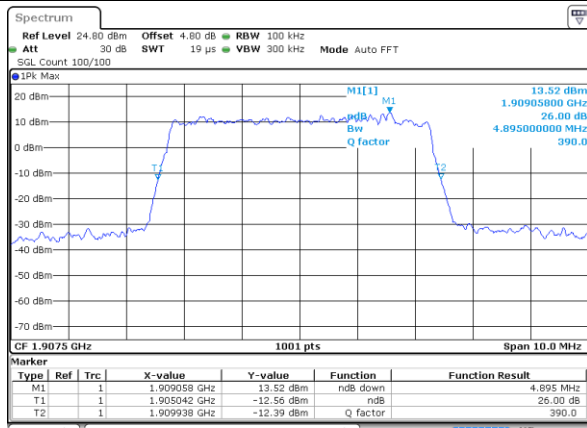
Date: 12.OCT.2018 19:00:26

## Middle Channel / 10MHz / 64QAM



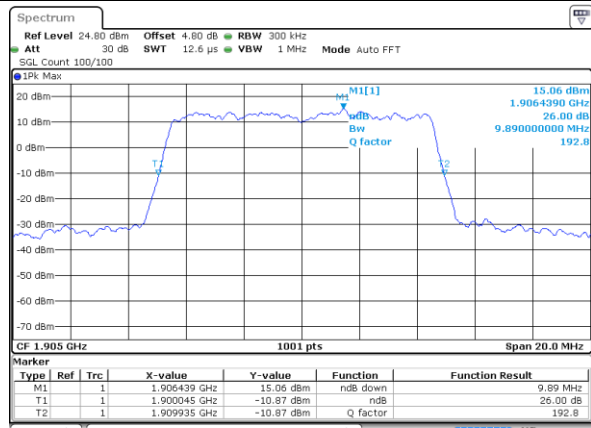
Date: 12.OCT.2018 19:00:56

## Highest Channel / 5MHz / 64QAM



Date: 12.OCT.2018 19:00:36

## Highest Channel / 10MHz / 64QAM

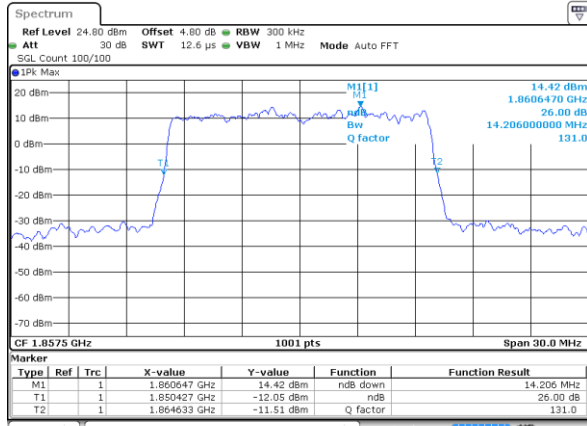


Date: 12.OCT.2018 19:01:06

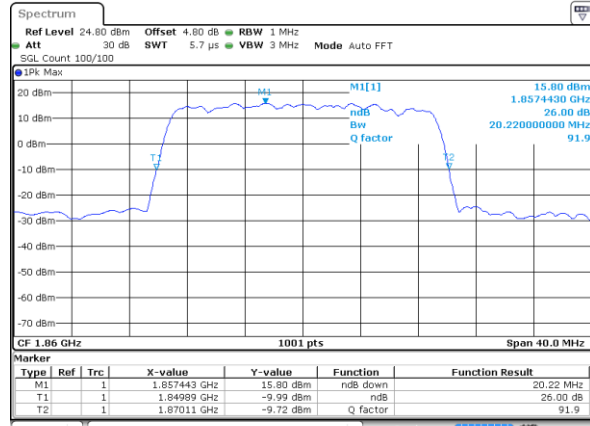


## LTE Band 2

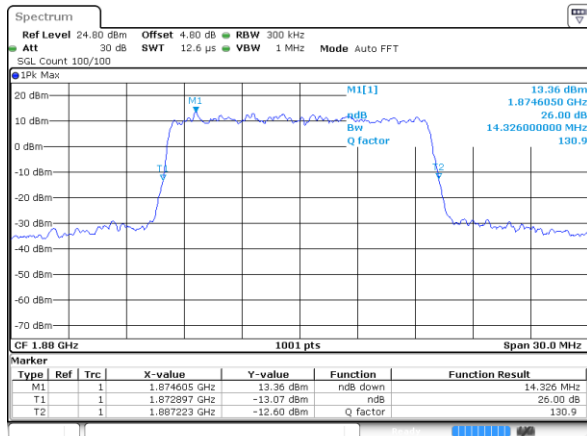
## Lowest Channel / 15MHz / 64QAM



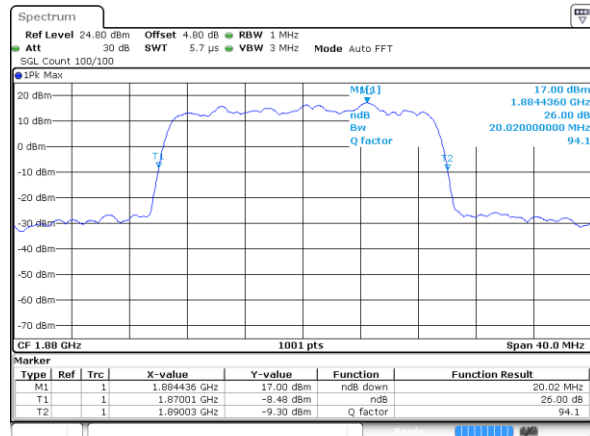
## Lowest Channel / 20MHz / 64QAM



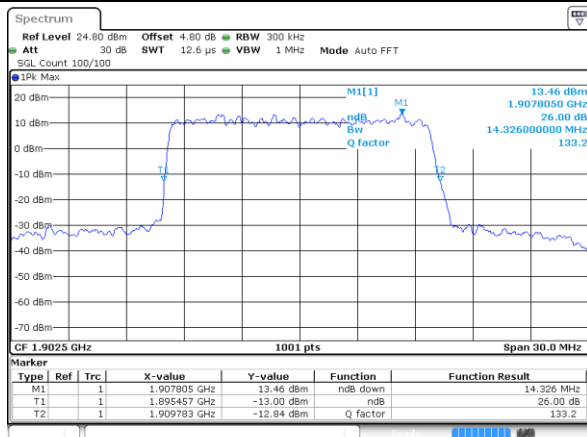
## Middle Channel / 15MHz / 64QAM



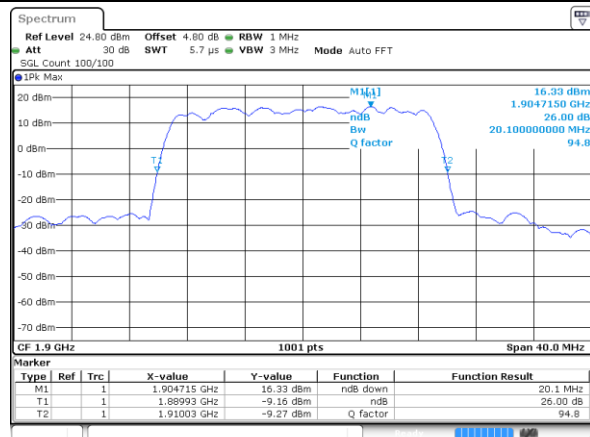
## Middle Channel / 20MHz / 64QAM



## Highest Channel / 15MHz / 64QAM



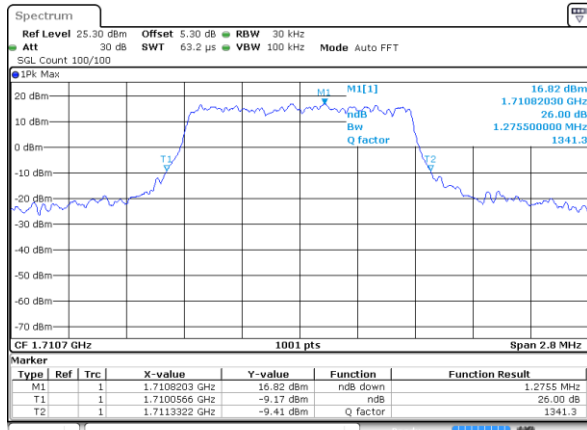
## Highest Channel / 20MHz / 64QAM





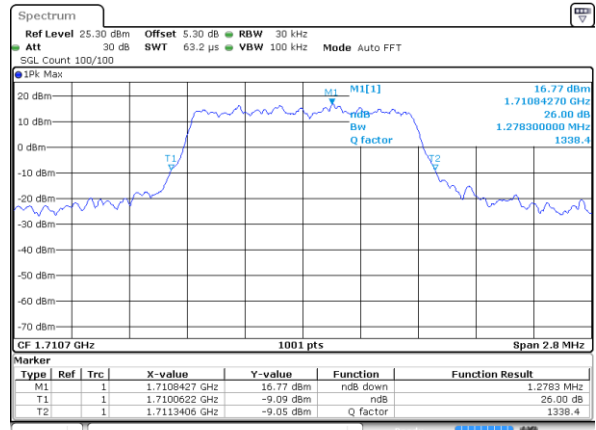
## LTE Band 4

## Lowest Channel / 1.4MHz / QPSK



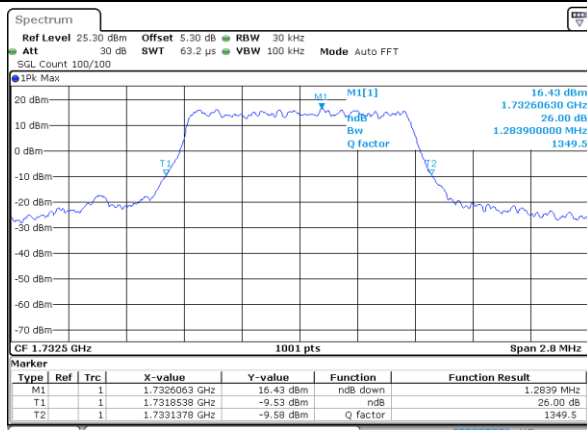
Date: 13.OCT.2018 23:23:00

## Lowest Channel / 1.4MHz / 16QAM



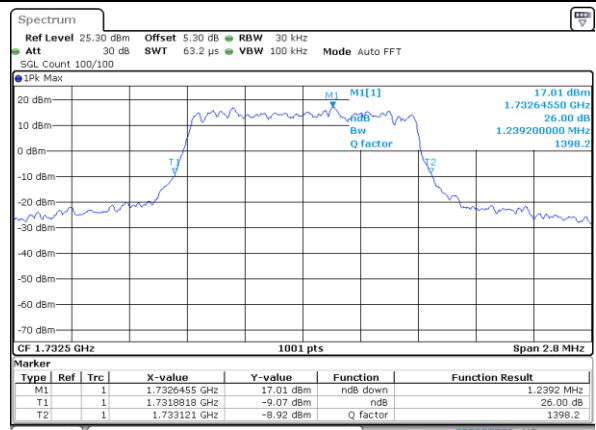
Date: 13.OCT.2018 23:23:10

## Middle Channel / 1.4MHz / QPSK



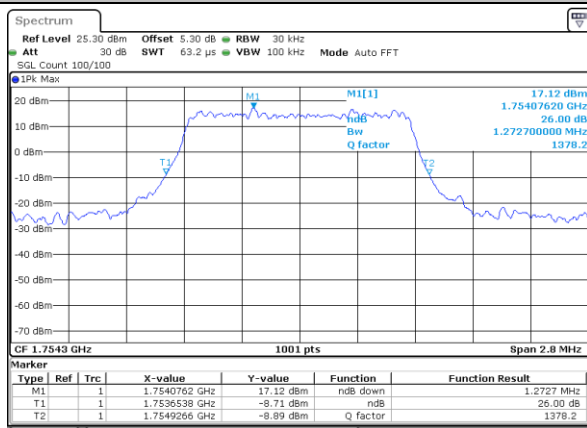
Date: 13.OCT.2018 23:29:59

## Middle Channel / 1.4MHz / 16QAM



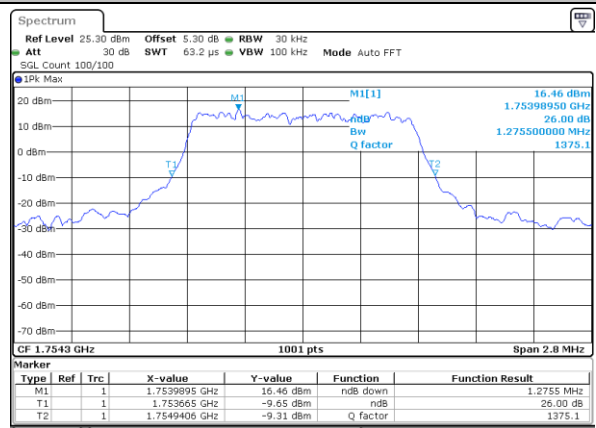
Date: 13.OCT.2018 23:30:09

## Highest Channel / 1.4MHz / QPSK



Date: 13.OCT.2018 23:32:29

## Highest Channel / 1.4MHz / 16QAM

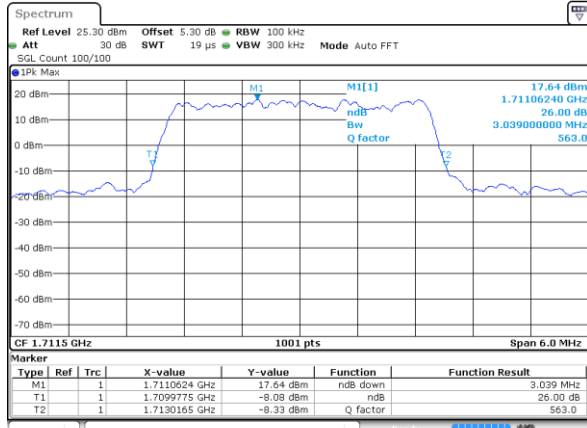


Date: 13.OCT.2018 23:32:38



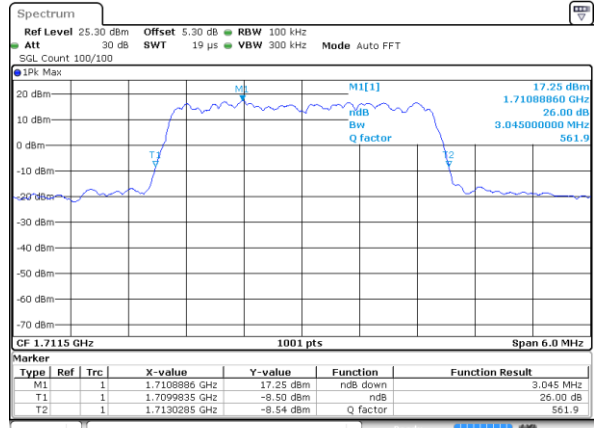
## LTE Band 4

## Lowest Channel / 3MHz / QPSK



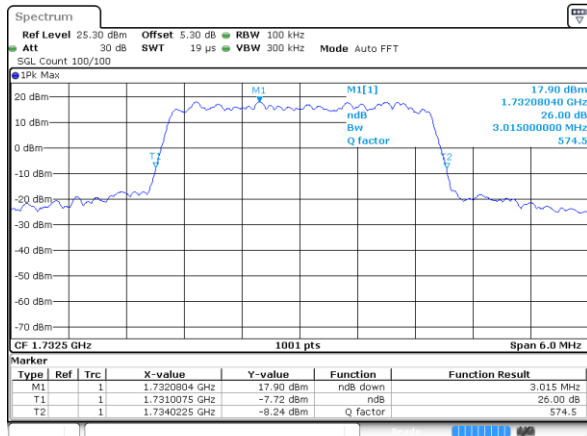
Date: 13.OCT.2018 23:39:27

## Lowest Channel / 3MHz / 16QAM



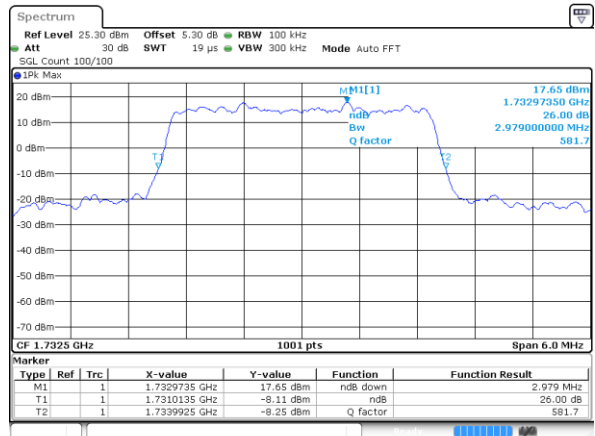
Date: 13.OCT.2018 23:39:37

## Middle Channel / 3MHz / QPSK



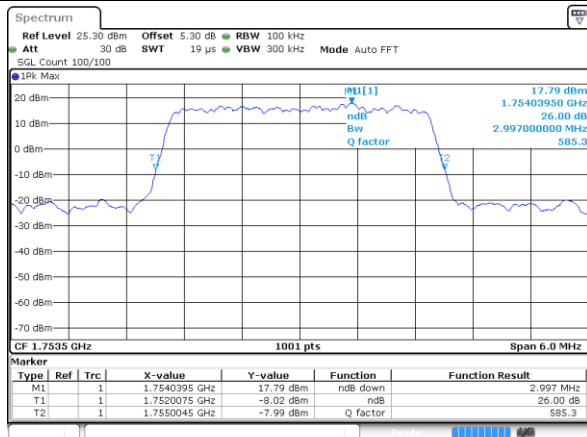
Date: 13.OCT.2018 23:46:26

## Middle Channel / 3MHz / 16QAM



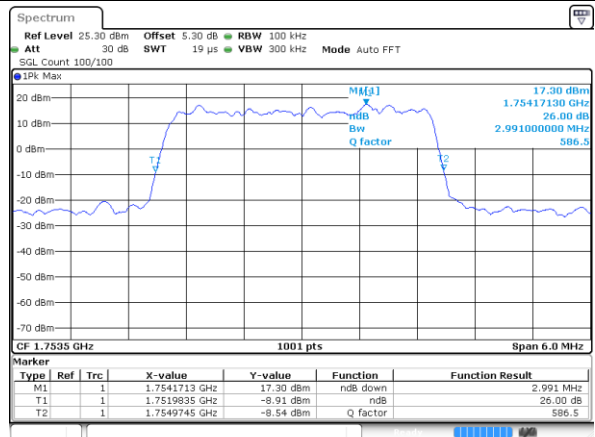
Date: 13.OCT.2018 23:46:36

## Highest Channel / 3MHz / QPSK



Date: 13.OCT.2018 23:48:55

## Highest Channel / 3MHz / 16QAM

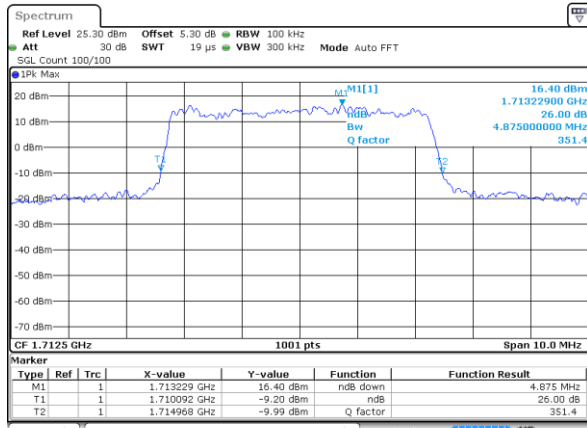


Date: 13.OCT.2018 23:48:05



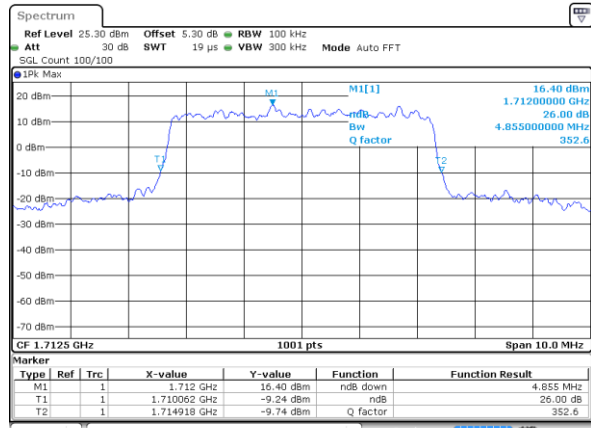
## LTE Band 4

## Lowest Channel / 5MHz / QPSK



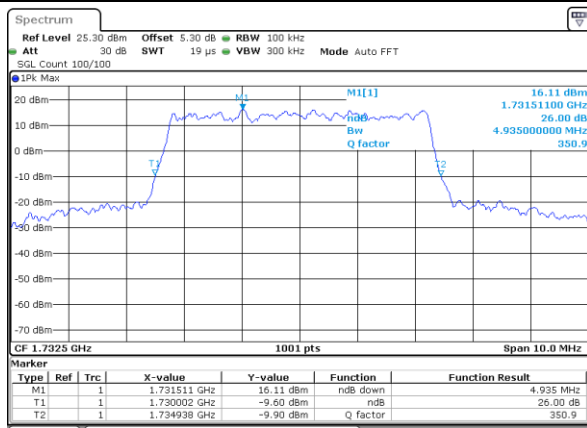
Date: 13.OCT.2018 23:55:54

## Lowest Channel / 5MHz / 16QAM



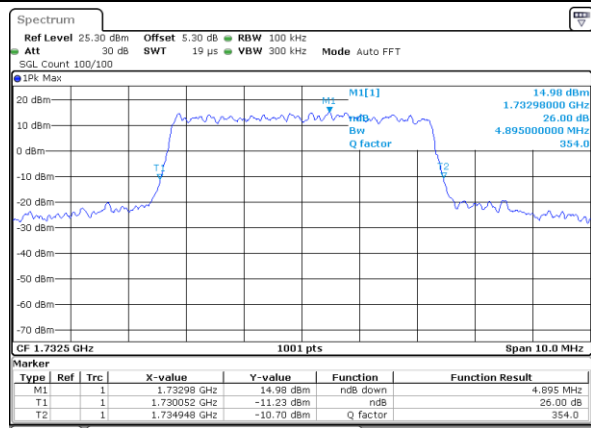
Date: 13.OCT.2018 23:56:04

## Middle Channel / 5MHz / QPSK



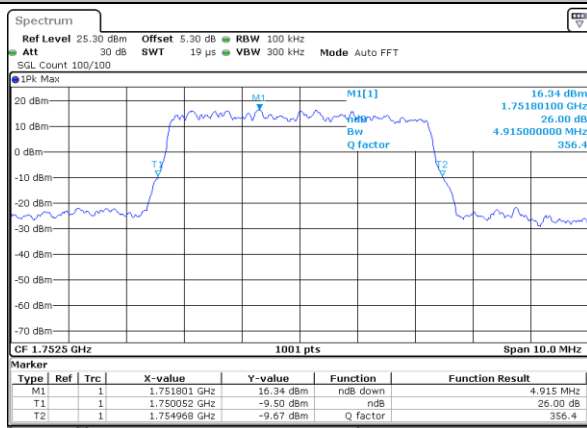
Date: 14.OCT.2018 00:02:53

## Middle Channel / 5MHz / 16QAM



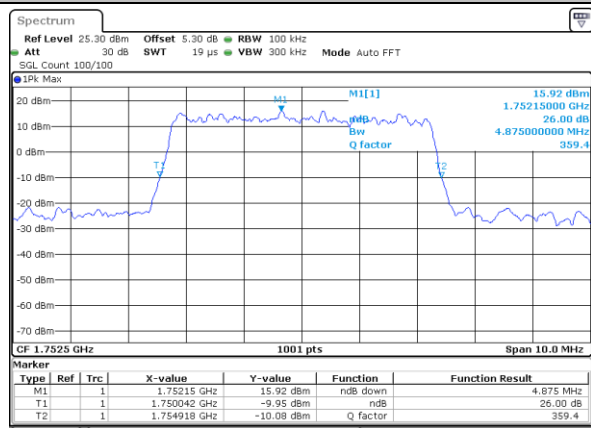
Date: 14.OCT.2018 00:03:03

## Highest Channel / 5MHz / QPSK



Date: 14.OCT.2018 00:05:23

## Highest Channel / 5MHz / 16QAM

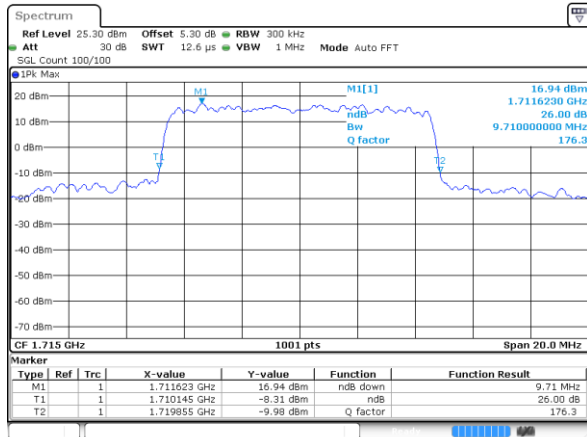


Date: 14.OCT.2018 00:05:33



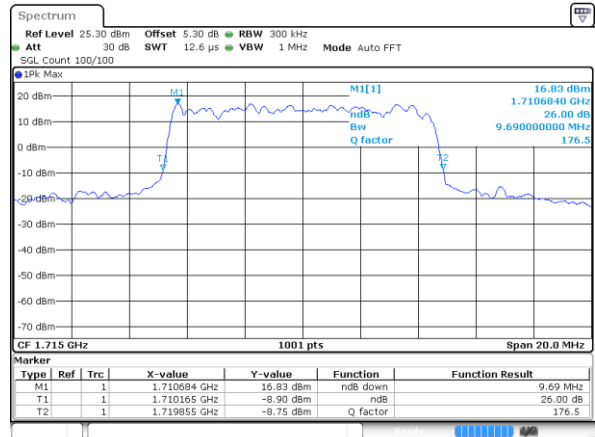
## LTE Band 4

## Lowest Channel / 10MHz / QPSK



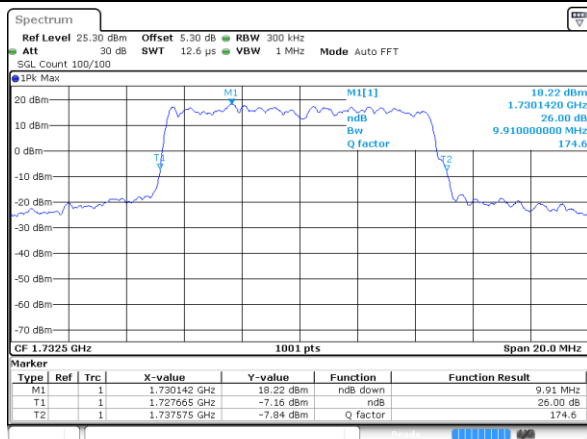
Date: 14.OCT.2018 00:12:22

## Lowest Channel / 10MHz / 16QAM



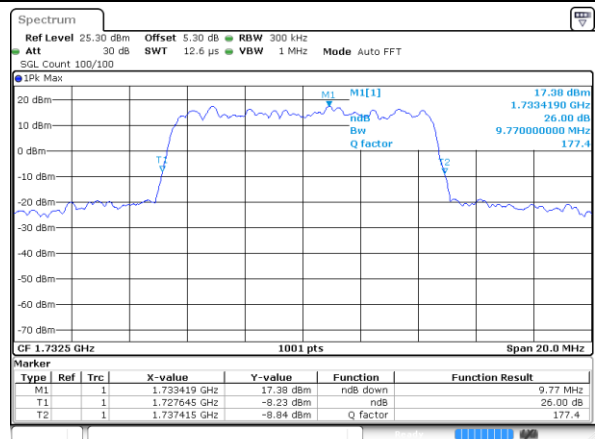
Date: 14.OCT.2018 00:12:32

## Middle Channel / 10MHz / QPSK



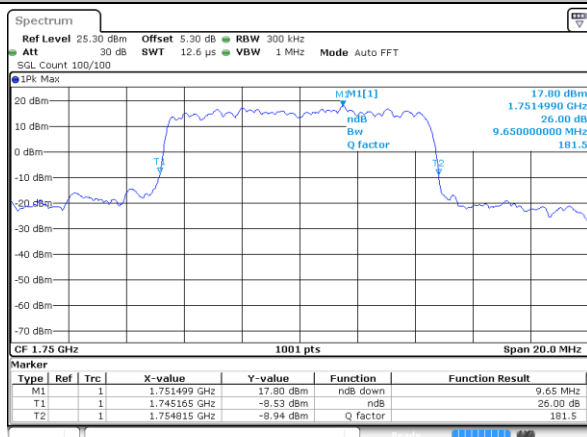
Date: 14.OCT.2018 00:19:21

## Middle Channel / 10MHz / 16QAM



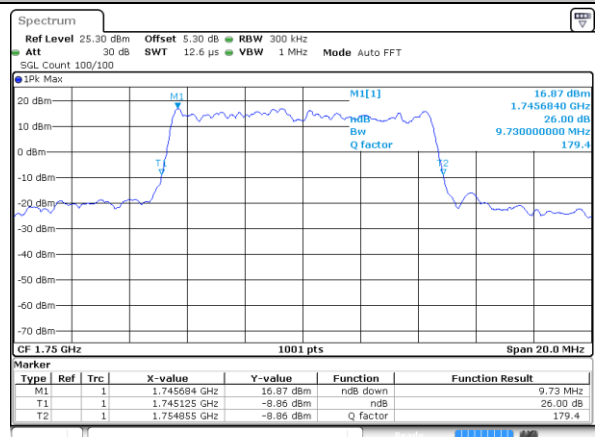
Date: 14.OCT.2018 00:19:31

## Highest Channel / 10MHz / QPSK



Date: 14.OCT.2018 00:21:50

## Highest Channel / 10MHz / 16QAM

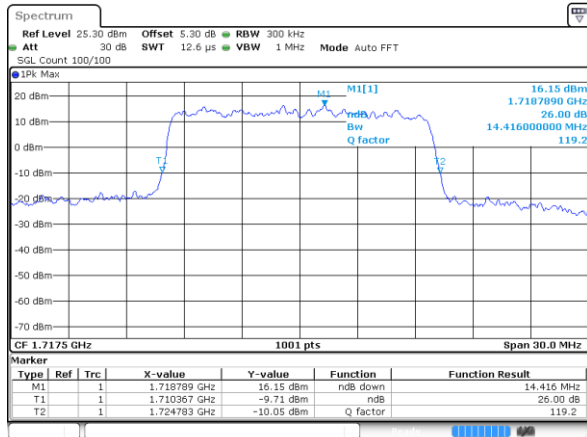


Date: 14.OCT.2018 00:22:00

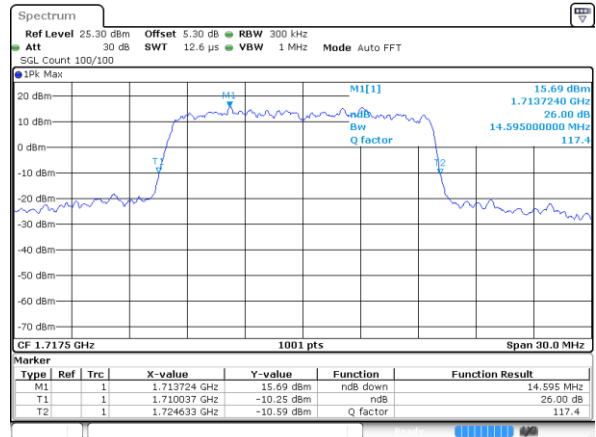


## LTE Band 4

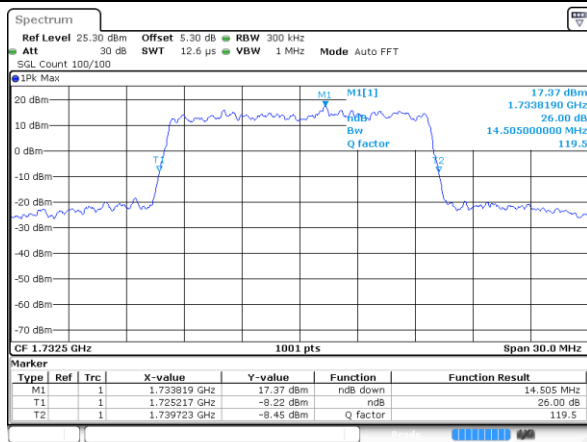
## Lowest Channel / 15MHz / QPSK



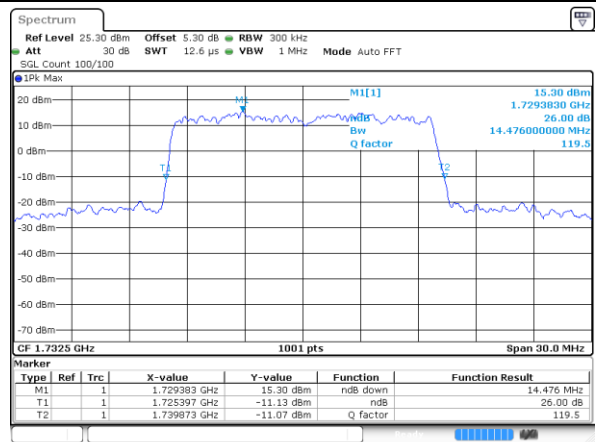
## Lowest Channel / 15MHz / 16QAM



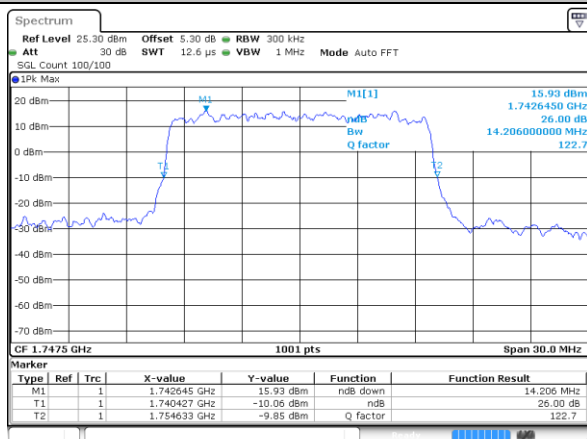
## Middle Channel / 15MHz / QPSK



## Middle Channel / 15MHz / 16QAM



## Highest Channel / 15MHz / QPSK



## Highest Channel / 15MHz / 16QAM

