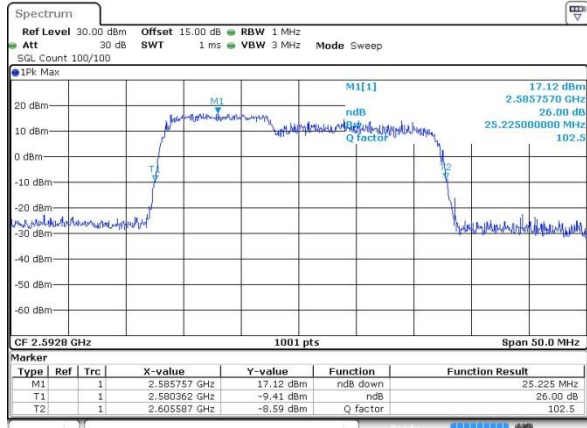




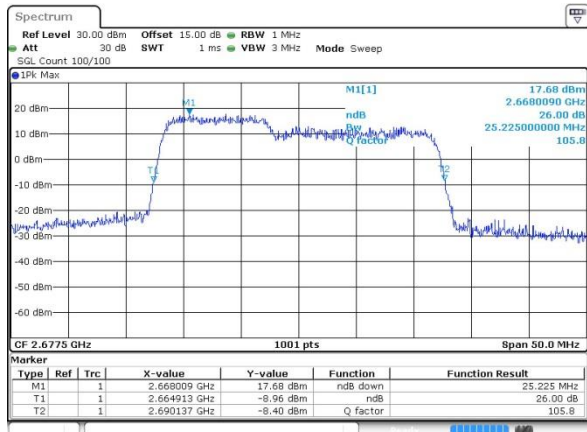
## LTE Band 41

## Middle Channel / 10MHz+15MHz/64QAM



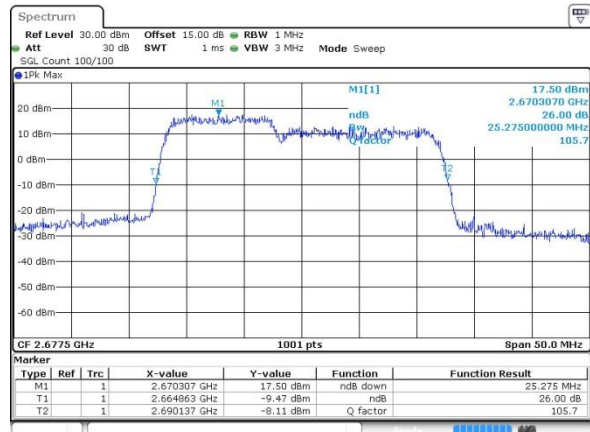
Date: 6 MAR 2018 16:42:47

## Highest Channel / 10MHz+15MHz/QPSK



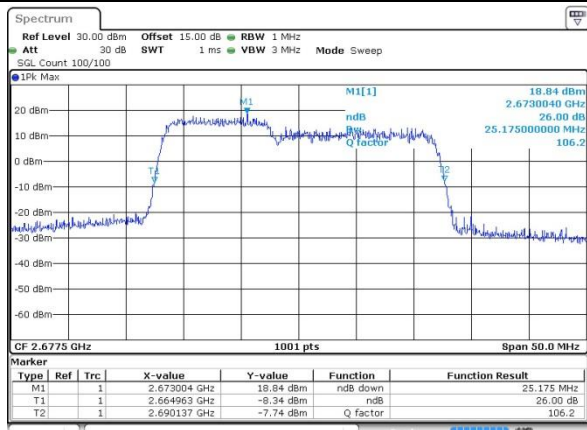
Date: 6 MAR 2018 16:56:02

## Highest Channel / 10MHz+15MHz/16QAM



Date: 6 MAR 2018 16:55:49

## Highest Channel / 10MHz+15MHz/64QAM

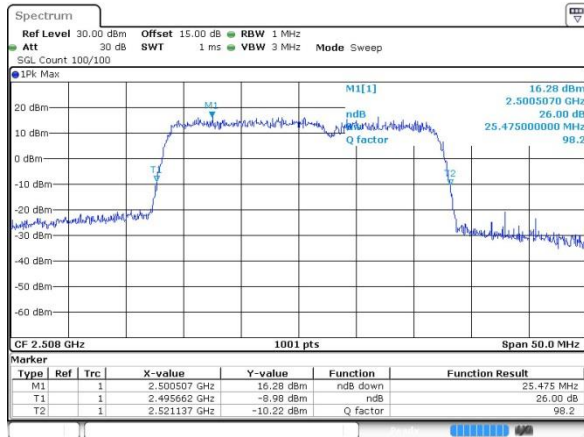


Date: 6 MAR 2018 16:55:38



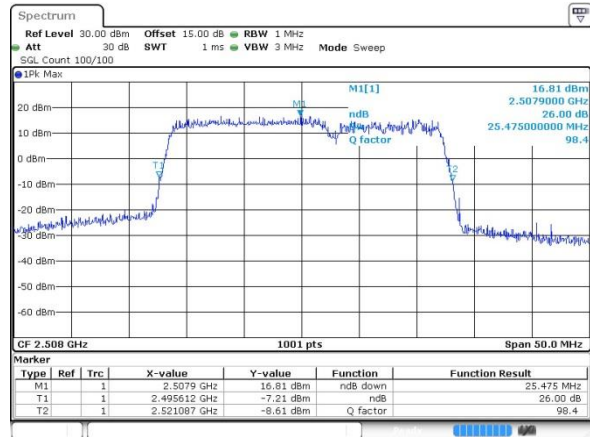
## LTE Band 41

## Lowest Channel / 15MHz+10MHz/QPSK



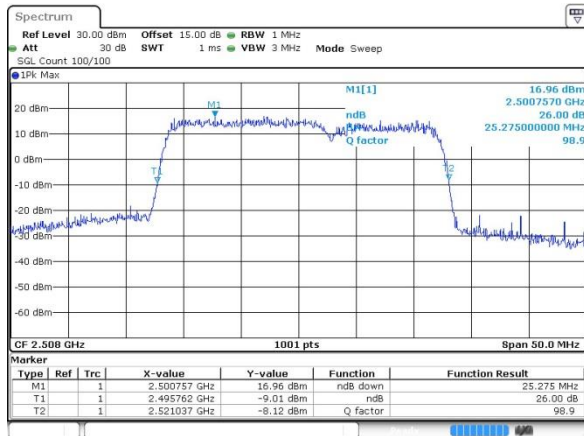
Date: 6 MAR 2018 16:17:07

## Lowest Channel / 15MHz+10MHz/16QAM



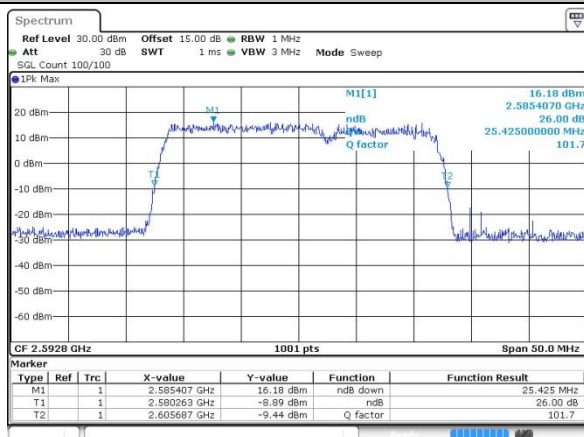
Date: 6 MAR 2018 16:17:37

## Lowest Channel / 15MHz+10MHz /64QAM



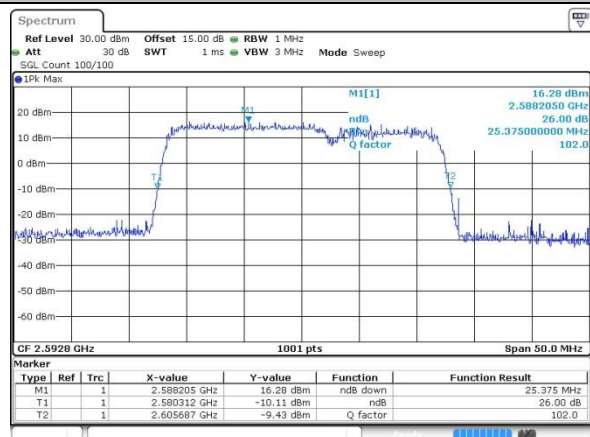
Date: 6 MAR 2018 16:17:55

## Middle Channel / 15MHz+10MHz /QPSK



Date: 6 MAR 2018 16:09:13

## Middle Channel / 15MHz+10MHz /16QAM

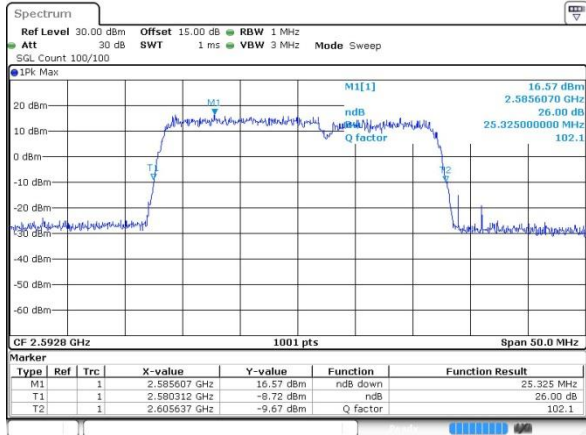


Date: 6 MAR 2018 16:09:02



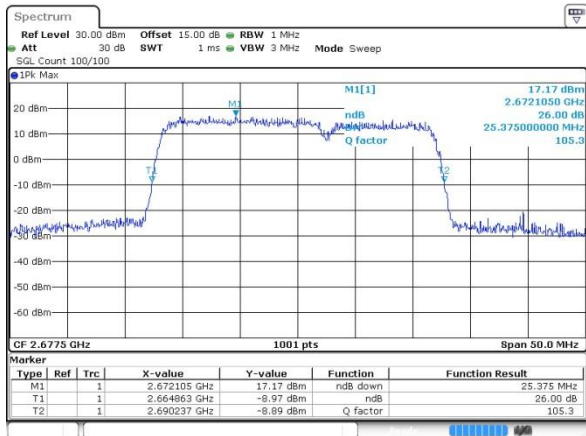
## LTE Band 41

## Middle Channel / 15MHz+10MHz /64QAM



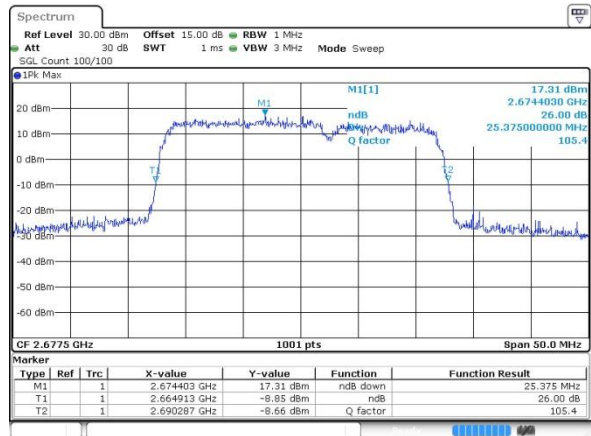
Date: 6 MAR 2018 16:08:50

## Highest Channel / 15MHz+10MHz /QPSK



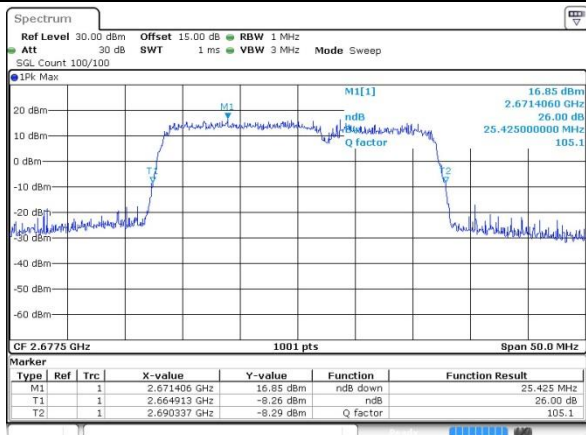
Date: 6 MAR 2018 15:51:15

## Highest Channel / 15MHz+10MHz /16QAM



Date: 6 MAR 2018 15:51:33

## Highest Channel / 15MHz+10MHz /64QAM



Date: 6 MAR 2018 15:51:50



## 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  | 4.5   | 4.49  | 9.03  | 9.03  | 13.43 | 13.43 | 18.3  | 18.42 |
| Middle CH  | 1.09                     | 1.09  | 2.72  | 2.71  | 4.49  | 4.49  | 9.01  | 8.97  | 13.4  | 13.43 | 18.26 | 18.26 |
| Highest CH | 1.09                     | 1.09  | 2.73  | 2.73  | 4.47  | 4.51  | 9.03  | 9.07  | 13.46 | 13.37 | 18.34 | 18.5  |
| BW         | 1.4MHz                   | 3MHz  | 5MHz  | 10MHz | 15MHz | 20MHz |       |       |       |       |       |       |
| Mod.       | 64QAM                    | 64QAM | 64QAM | 64QAM | 64QAM | 64QAM |       |       |       |       |       |       |
| Lowest CH  | 1.09                     | 2.72  | 4.46  | 9.03  | 13.43 | 18.30 |       |       |       |       |       |       |
| Middle CH  | 1.09                     | 2.73  | 4.5   | 9.01  | 13.49 | 18.30 |       |       |       |       |       |       |
| Highest CH | 1.09                     | 2.73  | 4.48  | 9.03  | 13.37 | 18.38 |       |       |       |       |       |       |

| 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                     | 1.09  | 2.73  | 2.7   | 4.51  | 4.49  | 9.07  | 9.05  | 13.4  | 13.43 | 18.42 | 18.46 |
| Middle CH  | 1.09                     | 1.09  | 2.73  | 2.73  | 4.49  | 4.5   | 8.99  | 8.99  | 13.4  | 13.37 | 18.34 | 18.22 |
| Highest CH | 1.09                     | 1.09  | 2.72  | 2.69  | 4.49  | 4.49  | 8.99  | 8.99  | 13.37 | 13.49 | 18.34 | 18.34 |
| BW         | 1.4MHz                   | 3MHz  | 5MHz  | 10MHz | 15MHz | 20MHz |       |       |       |       |       |       |
| Mod.       | 64QAM                    | 64QAM | 64QAM | 64QAM | 64QAM | 64QAM |       |       |       |       |       |       |
| Lowest CH  | 1.08                     | 2.73  | 4.47  | 8.95  | 13.4  | 18.3  |       |       |       |       |       |       |
| Middle CH  | 1.09                     | 2.73  | 4.47  | 9.09  | 13.43 | 18.38 |       |       |       |       |       |       |
| Highest CH | 1.09                     | 2.74  | 4.49  | 9.01  | 13.46 | 18.30 |       |       |       |       |       |       |

| Mode       | LTE Band 5 : 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  | 1.08                     | 1.1   | 2.72  | 2.72  | 4.49  | 4.52  | 9.07  | 9.01  | -     | -     | -     | -     |
| Middle CH  | 1.09                     | 1.09  | 2.7   | 2.7   | 4.47  | 4.51  | 9.01  | 9.03  | -     | -     | -     | -     |
| Highest CH | 1.09                     | 1.1   | 2.72  | 2.72  | 4.49  | 4.47  | 9.05  | 9.01  | -     | -     | -     | -     |
| BW         | 1.4MHz                   | 3MHz  | 5MHz  | 10MHz | 15MHz | 20MHz |       |       |       |       |       |       |
| Mod.       | 64QAM                    | 64QAM | 64QAM | 64QAM | 64QAM | 64QAM |       |       |       |       |       |       |
| Lowest CH  | 1.09                     | 2.72  | 4.49  | 9.01  |       |       |       |       |       |       |       |       |
| Middle CH  | 1.09                     | 2.72  | 4.48  | 9.01  |       |       |       |       |       |       |       |       |
| Highest CH | 1.09                     | 2.74  | 4.47  | 8.99  |       |       |       |       |       |       |       |       |



| Mode       | LTE Band 7 : 99%OBW(MHz) |       |       |       |       |       |       |       |
|------------|--------------------------|-------|-------|-------|-------|-------|-------|-------|
| BW         | 5MHz                     |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | QPSK                     | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Lowest CH  | 4.5                      | 4.49  | 9.05  | 8.95  | 13.4  | 13.43 | 18.38 | 18.34 |
| Middle CH  | 4.51                     | 4.49  | 9.03  | 9.07  | 13.43 | 13.46 | 18.34 | 18.3  |
| Highest CH | 4.49                     | 4.48  | 9.05  | 8.97  | 13.4  | 13.43 | 18.58 | 18.46 |
| BW         | 5MHz                     |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | 64QAM                    |       | 64QAM |       | 64QAM |       | 64QAM |       |
| Lowest CH  | 4.49                     |       | 9.01  |       | 13.46 |       | 18.30 |       |
| Middle CH  | 4.50                     |       | 9.07  |       | 13.37 |       | 18.58 |       |
| Highest CH | 4.47                     |       | 9.03  |       | 13.43 |       | 18.26 |       |

| 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                      | 1.09  | 2.72  | 2.73  | 4.5   | 4.5   | 8.99  | 9.01  | -     | -     | -     | -     |
| Middle CH  | 1.09                      | 1.09  | 2.7   | 2.73  | 4.51  | 4.49  | 9.07  | 9.01  | -     | -     | -     | -     |
| Highest CH | 1.09                      | 1.1   | 2.71  | 2.73  | 4.5   | 4.48  | 9.05  | 9.01  | -     | -     | -     | -     |
| BW         | 1.4MHz                    | 3MHz  | 5MHz  | 10MHz | 15MHz | 20MHz |       |       |       |       |       |       |
| Mod.       | 64QAM                     | 64QAM | 64QAM | 64QAM | 64QAM | 64QAM |       |       |       |       |       |       |
| Lowest CH  | 1.09                      | 2.71  | 4.50  | 8.99  | -     | -     |       |       |       |       |       |       |
| Middle CH  | 1.09                      | 2.72  | 4.48  | 9.05  | -     | -     |       |       |       |       |       |       |
| Highest CH | 1.09                      | 2.75  | 4.48  | 9.01  | -     | -     |       |       |       |       |       |       |

| Mode       | LTE Band 17 : 99%OBW(MHz) |       |       |       |       |       |  |  |  |  |  |  |
|------------|---------------------------|-------|-------|-------|-------|-------|--|--|--|--|--|--|
| BW         | 5MHz                      |       | 10MHz |       | 5MHz  | 10MHz |  |  |  |  |  |  |
| Mod.       | QPSK                      | 16QAM | QPSK  | 16QAM | 64QAM | 64QAM |  |  |  |  |  |  |
| Lowest CH  | 4.51                      | 4.49  | 9.05  | 9.01  | 4.47  | 8.97  |  |  |  |  |  |  |
| Middle CH  | 4.48                      | 4.48  | 9.01  | 8.99  | 4.49  | 9.05  |  |  |  |  |  |  |
| Highest CH | 4.5                       | 4.49  | 9.03  | 9.03  | 4.47  | 9.01  |  |  |  |  |  |  |



| Mode       | LTE Band 25 : 99%OBW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
|------------|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| BW         | 1.4MHz                    |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | QPSK                      | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Lowest CH  | 1.09                      | 1.09  | 2.72  | 2.71  | 4.48  | 4.48  | 9.01  | 8.95  | 13.52 | 13.37 | 18.46 | 18.26 |
| Middle CH  | 1.1                       | 1.09  | 2.7   | 2.72  | 4.49  | 4.48  | 9.05  | 8.97  | 13.4  | 13.43 | 18.34 | 18.38 |
| Highest CH | 1.1                       | 1.09  | 2.73  | 2.72  | 4.49  | 4.49  | 9.01  | 9.01  | 13.37 | 13.43 | 18.34 | 18.38 |
| BW         | 1.4MHz                    | 3MHz  | 5MHz  | 10MHz | 15MHz | 20MHz |       |       |       |       |       |       |
| Mod.       | 64QAM                     | 64QAM | 64QAM | 64QAM | 64QAM | 64QAM |       |       |       |       |       |       |
| Lowest CH  | 1.09                      | 2.73  | 4.49  | 9.03  | 13.49 | 18.54 |       |       |       |       |       |       |
| Middle CH  | 1.08                      | 2.73  | 4.50  | 9.07  | 13.43 | 18.34 |       |       |       |       |       |       |
| Highest CH | 1.10                      | 2.72  | 4.48  | 9.01  | 13.43 | 18.26 |       |       |       |       |       |       |

| Mode       | LTE Band 26 : 99%OBW(MHz) |       |       |       |       |       |       |       |       |       |         |       |
|------------|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|-------|
| BW         | 1.4MHz                    |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | CH26765 |       |
| Mod.       | QPSK                      | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK    | 16QAM |
| Lowest CH  | 1.09                      | 1.09  | 2.71  | 2.72  | 4.52  | 4.49  | 9.05  | 8.97  | 13.46 | 13.4  | 13.4    | 13.43 |
| Middle CH  | 1.1                       | 1.09  | 2.72  | 2.72  | 4.49  | 4.49  | 8.97  | 9.03  | 13.34 | 13.43 | -       | -     |
| Highest CH | 1.09                      | 1.09  | 2.72  | 2.7   | 4.5   | 4.51  | 8.95  | 9.03  | 13.43 | 13.4  | -       | -     |
| Mode       | LTE Band 26 : 99%OBW(MHz) |       |       |       |       |       |       |       |       |       |         |       |
| BW         | 1.4MHz                    |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | CH26765 |       |
| Mod.       | 64QAM                     |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM   |       |
| Lowest CH  | 1.09                      |       | 2.72  |       | 4.49  |       | 9.01  |       | 13.43 |       | 13.43   |       |
| Middle CH  | 1.09                      |       | 2.74  |       | 4.50  |       | 8.99  |       | 13.43 |       |         |       |
| Highest CH | 1.09                      |       | 2.71  |       | 4.47  |       | 9.03  |       | 13.43 |       |         |       |

| Mode       | LTE Band 38 : 99%OBW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
|------------|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| BW         | 5MHz                      |       | 10MHz |       | 15MHz |       | 20MHz |       | 5MHz  | 10MHz | 15MHz | 20MHz |
| Mod.       | QPSK                      | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | 64QAM | 64QAM | 64QAM | 64QAM |
| Lowest CH  | 4.5                       | 4.5   | 9.03  | 9.03  | 13.43 | 13.43 | 18.18 | 18.06 | 4.49  | 8.99  | 13.40 | 18.26 |
| Middle CH  | 4.46                      | 4.49  | 8.99  | 9.03  | 13.4  | 13.52 | 18.22 | 18.3  | 4.50  | 8.97  | 13.43 | 18.34 |
| Highest CH | 4.51                      | 4.48  | 8.95  | 9.05  | 13.43 | 13.37 | 18.18 | 18.34 | 4.48  | 9.05  | 13.40 | 18.26 |

| Mode       | LTE Band 41 : 99%OBW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
|------------|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| BW         | 5MHz                      |       | 10MHz |       | 15MHz |       | 20MHz |       | 5MHz  | 10MHz | 15MHz | 20MHz |
| Mod.       | QPSK                      | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | 64QAM | 64QAM | 64QAM | 64QAM |
| Lowest CH  | 4.47                      | 4.47  | 9.01  | 9.03  | 13.34 | 13.43 | 18.26 | 18.3  | 4.45  | 8.99  | 13.37 | 18.30 |
| Middle CH  | 4.49                      | 4.5   | 8.97  | 9.03  | 13.43 | 13.46 | 18.34 | 18.26 | 4.45  | 8.99  | 13.40 | 18.30 |
| Highest CH | 4.48                      | 4.48  | 9.03  | 8.97  | 13.34 | 13.37 | 18.18 | 18.38 | 4.49  | 9.05  | 13.34 | 18.26 |



| Mode       | LTE Band 66 : 99%OBW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
|------------|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| BW         | 1.4MHz                    |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | QPSK                      | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Lowest CH  | 1.09                      | 1.09  | 2.7   | 2.71  | 4.49  | 4.49  | 9.03  | 9.07  | 13.46 | 13.37 | 18.38 | 18.38 |
| Middle CH  | 1.08                      | 1.09  | 2.7   | 2.71  | 4.5   | 4.5   | 8.97  | 8.99  | 13.46 | 13.49 | 18.26 | 18.38 |
| Highest CH | 1.1                       | 1.09  | 2.74  | 2.71  | 4.47  | 4.48  | 9.05  | 9.01  | 13.4  | 13.46 | 18.26 | 18.34 |
| BW         | 1.4MHz                    | 3MHz  | 5MHz  | 10MHz | 15MHz | 20MHz |       |       |       |       |       |       |
| Mod.       | 64QAM                     | 64QAM | 64QAM | 64QAM | 64QAM | 64QAM |       |       |       |       |       |       |
| Lowest CH  | 1.08                      | 2.7   | 4.48  | 9.01  | 13.46 | 18.34 |       |       |       |       |       |       |
| Middle CH  | 1.09                      | 2.72  | 4.5   | 9.09  | 13.46 | 18.42 |       |       |       |       |       |       |
| Highest CH | 1.1                       | 2.73  | 4.48  | 9.01  | 13.46 | 18.3  |       |       |       |       |       |       |

| Mode       | LTE Band 71 : 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  | 4.5   | 9.03  | 9.05  | 13.46 | 13.4  | 18.18 | 18.34 |
| Middle CH  | -                         | -     | -     | -     | 4.52  | 4.5   | 8.99  | 9.05  | 13.43 | 13.46 | 18.46 | 18.42 |
| Highest CH | -                         | -     | -     | -     | 4.51  | 4.49  | 9.01  | 8.99  | 13.49 | 13.46 | 18.22 | 18.42 |
| BW         | 1.4MHz                    | 3MHz  | 5MHz  | 10MHz | 15MHz | 20MHz |       |       |       |       |       |       |
| Mod.       | 64QAM                     | 64QAM | 64QAM | 64QAM | 64QAM | 64QAM |       |       |       |       |       |       |
| Lowest CH  |                           |       | 4.49  | 9.11  | 13.46 | 18.26 |       |       |       |       |       |       |
| Middle CH  |                           |       | 4.48  | 9.03  | 13.4  | 18.54 |       |       |       |       |       |       |
| Highest CH |                           |       | 4.5   | 9.01  | 13.46 | 18.34 |       |       |       |       |       |       |





## For CA

| Mode       | LTE Band 7 : 99%OBW(MHz) |       |       |             |       |       |             |       |       |
|------------|--------------------------|-------|-------|-------------|-------|-------|-------------|-------|-------|
| BW         | 10MHz+20MHz              |       |       | 15MHz+15MHz |       |       | 15MHz+20MHz |       |       |
| Mod.       | QPSK                     | 16QAM | 64QAM | QPSK        | 16QAM | 64QAM | QPSK        | 16QAM | 64QAM |
| Lowest CH  | 27.93                    | 28.05 | 27.99 | 28.53       | 28.59 | 28.53 | 32.73       | 32.80 | 32.73 |
| Middle CH  | 27.99                    | 28.05 | 27.87 | 28.53       | 28.53 | 28.41 | 32.66       | 32.66 | 32.66 |
| Highest CH | 27.81                    | 27.87 | 27.75 | 28.35       | 28.47 | 28.47 | 32.73       | 32.66 | 32.73 |

| Mode       | LTE Band 7 : 99%OBW(MHz) |       |       |             |       |       |             |       |       |
|------------|--------------------------|-------|-------|-------------|-------|-------|-------------|-------|-------|
| BW         | 20MHz+10MHz              |       |       | 20MHz+15MHz |       |       | 20MHz+20MHz |       |       |
| Mod.       | QPSK                     | 16QAM | 64QAM | QPSK        | 16QAM | 64QAM | QPSK        | 16QAM | 64QAM |
| Lowest CH  | 27.93                    | 27.93 | 27.93 | 32.80       | 32.87 | 32.73 | 37.64       | 37.56 | 37.56 |
| Middle CH  | 28.05                    | 27.99 | 27.99 | 32.73       | 32.73 | 32.73 | 37.64       | 37.64 | 37.56 |
| Highest CH | 27.93                    | 27.93 | 27.87 | 32.73       | 32.73 | 32.73 | 37.56       | 37.56 | 37.48 |

| Mode       | LTE Band 7 : 99%OBW(MHz) |       |       |
|------------|--------------------------|-------|-------|
| BW         | 15MHz+10MHz              |       |       |
| Mod.       | QPSK                     | 16QAM | 64QAM |
| Lowest CH  | 23.48                    | 23.43 | 23.48 |
| Middle CH  | 23.38                    | 23.43 | 23.48 |
| Highest CH | 23.43                    | 23.43 | 23.43 |

| Mode       | LTE Band 41 : 99%OBW(MHz) |       |       |             |       |       |             |       |       |
|------------|---------------------------|-------|-------|-------------|-------|-------|-------------|-------|-------|
| BW         | 5MHz+20MHz                |       |       | 10MHz+20MHz |       |       | 15MHz+15MHz |       |       |
| Mod.       | QPSK                      | 16QAM | 64QAM | QPSK        | 16QAM | 64QAM | QPSK        | 16QAM | 64QAM |
| Lowest CH  | 23.23                     | 23.23 | 23.18 | 27.87       | 27.99 | 27.93 | 28.59       | 28.47 | 28.47 |
| Middle CH  | 23.18                     | 23.18 | 23.23 | 27.99       | 27.87 | 27.93 | 28.59       | 28.47 | 28.47 |
| Highest CH | 23.28                     | 23.18 | 23.23 | 27.99       | 27.93 | 27.87 | 28.53       | 28.47 | 28.53 |

| Mode       | LTE Band 41 : 99%OBW(MHz) |       |       |            |       |       |             |       |       |
|------------|---------------------------|-------|-------|------------|-------|-------|-------------|-------|-------|
| BW         | 15MHz+20MHz               |       |       | 20MHz+5MHz |       |       | 20MHz+10MHz |       |       |
| Mod.       | QPSK                      | 16QAM | 64QAM | QPSK       | 16QAM | 64QAM | QPSK        | 16QAM | 64QAM |
| Lowest CH  | 32.73                     | 32.87 | 32.66 | 23.18      | 23.08 | 23.23 | 27.93       | 27.93 | 27.93 |
| Middle CH  | 32.87                     | 32.87 | 32.66 | 23.23      | 23.18 | 23.33 | 28.11       | 27.93 | 27.93 |
| Highest CH | 32.87                     | 32.73 | 32.94 | 23.18      | 23.28 | 23.28 | 27.99       | 27.93 | 27.99 |





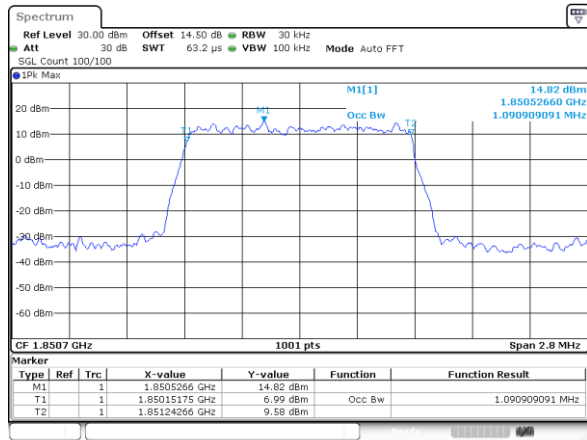
| Mode       | LTE Band 41 : 99%OBW(MHz) |       |       |             |       |       |             |       |       |
|------------|---------------------------|-------|-------|-------------|-------|-------|-------------|-------|-------|
| BW         | 20MHz+15MHz               |       |       | 20MHz+20MHz |       |       | 10MHz+15MHz |       |       |
| Mod.       | QPSK                      | 16QAM | 64AQM | QPSK        | 16QAM | 64AQM | QPSK        | 16QAM | 64QAM |
| Lowest CH  | 32.80                     | 32.66 | 32.73 | 37.72       | 37.56 | 37.48 | 23.38       | 23.33 | 23.28 |
| Middle CH  | 32.73                     | 32.73 | 32.73 | 37.48       | 37.64 | 37.56 | 23.43       | 23.33 | 23.43 |
| Highest CH | 32.87                     | 32.66 | 32.66 | 37.56       | 37.72 | 37.72 | 23.43       | 23.38 | 23.43 |

| Mode       | LTE Band 41 : 99%OBW(MHz) |       |       |
|------------|---------------------------|-------|-------|
| BW         | 15MHz+10MHz               |       |       |
| Mod.       | QPSK                      | 16QAM | 64QAM |
| Lowest CH  | 23.48                     | 23.53 | 23.28 |
| Middle CH  | 23.53                     | 23.48 | 23.48 |
| Highest CH | 23.43                     | 23.33 | 23.43 |

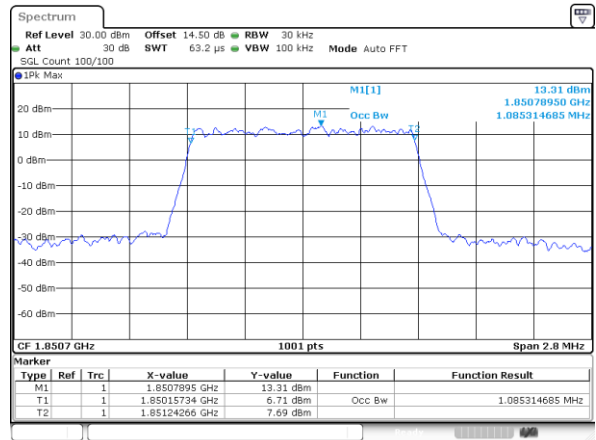


## LTE Band 2

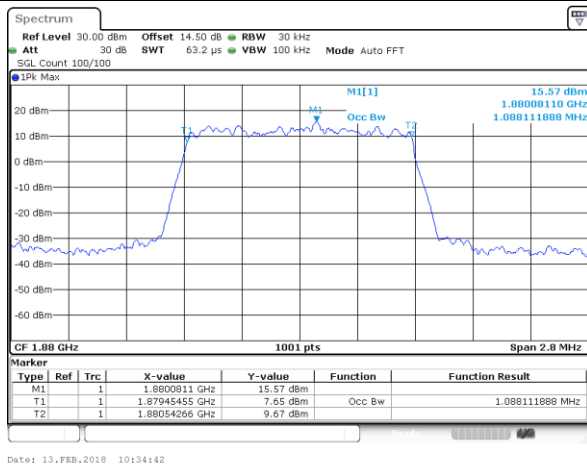
## Lowest Channel / 1.4MHz / QPSK



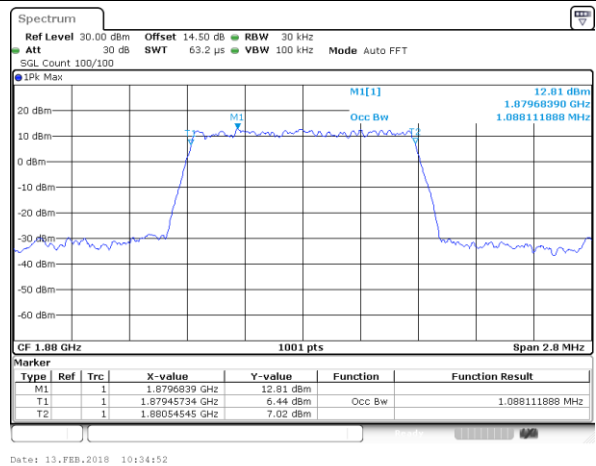
## Lowest Channel / 1.4MHz / 16QAM



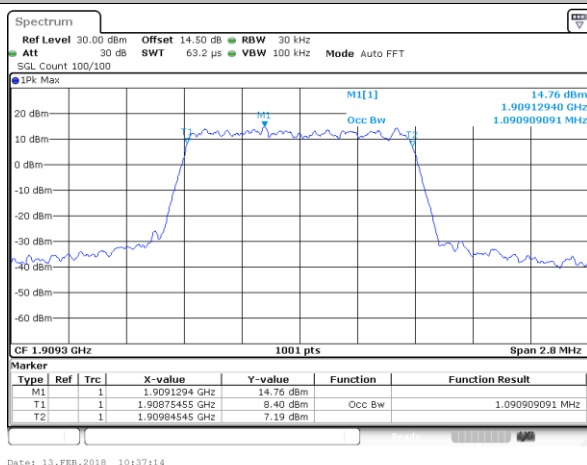
## Middle Channel / 1.4MHz / QPSK



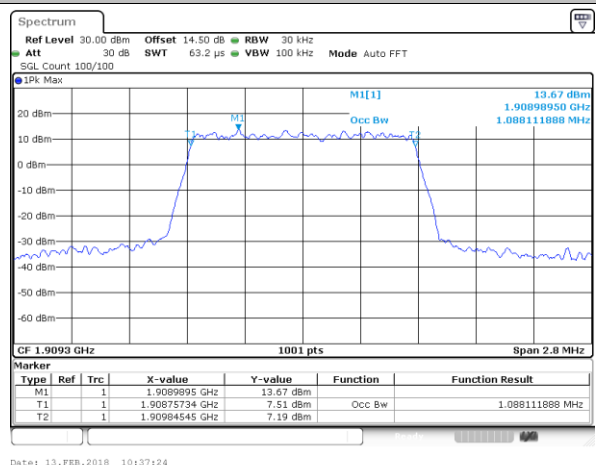
## Middle Channel / 1.4MHz / 16QAM



## Highest Channel / 1.4MHz / QPSK



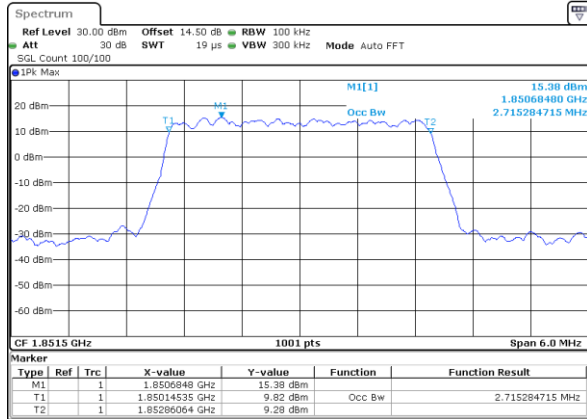
## Highest Channel / 1.4MHz / 16QAM





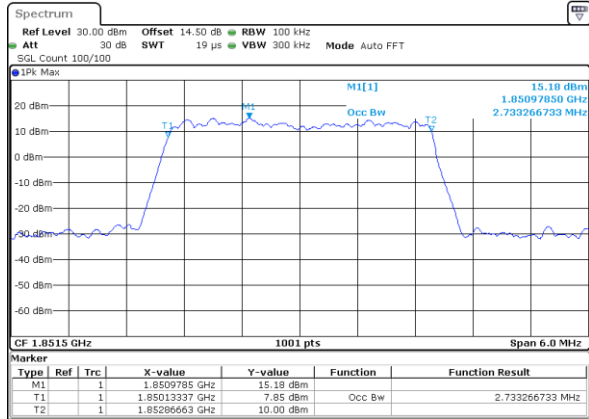
## LTE Band 2

## Lowest Channel / 3MHz / QPSK



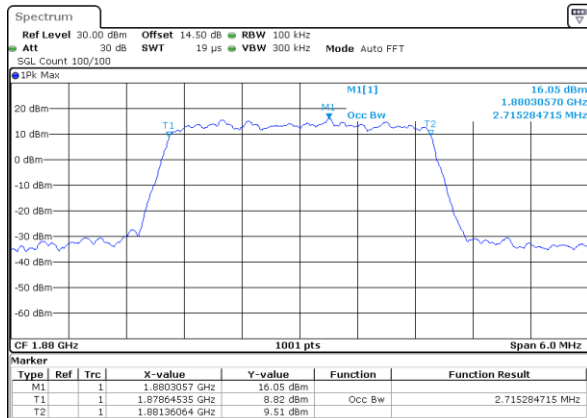
Date: 13.FEB.2018 10:08:07

## Lowest Channel / 3MHz / 16QAM



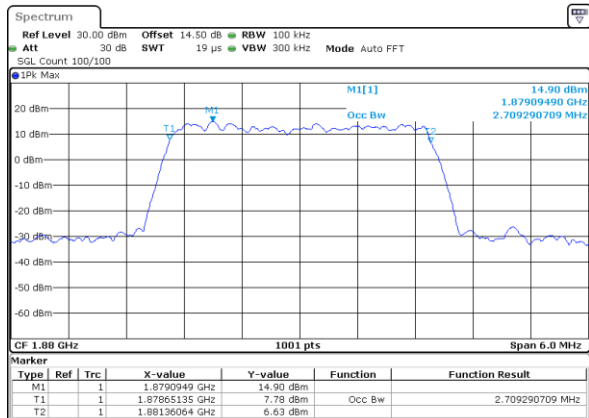
Date: 13.FEB.2018 10:08:17

## Middle Channel / 3MHz / QPSK



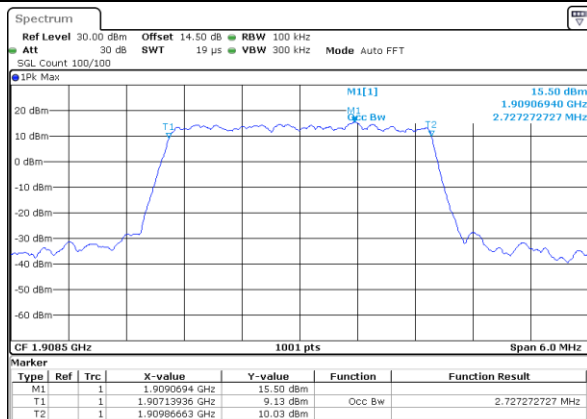
Date: 13.FEB.2018 10:15:17

## Middle Channel / 3MHz / 16QAM



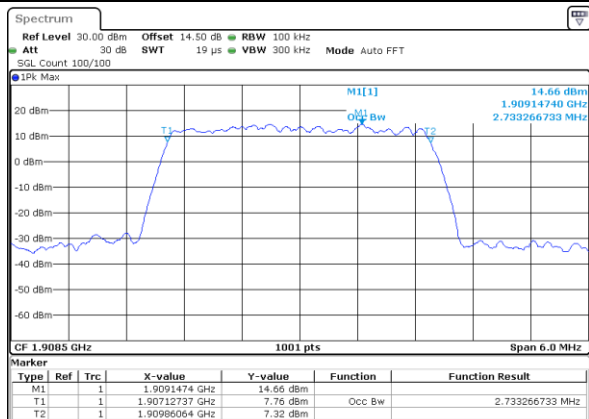
Date: 13.FEB.2018 10:15:27

## Highest Channel / 3MHz / QPSK



Date: 13.FEB.2018 10:17:48

## Highest Channel / 3MHz / 16QAM

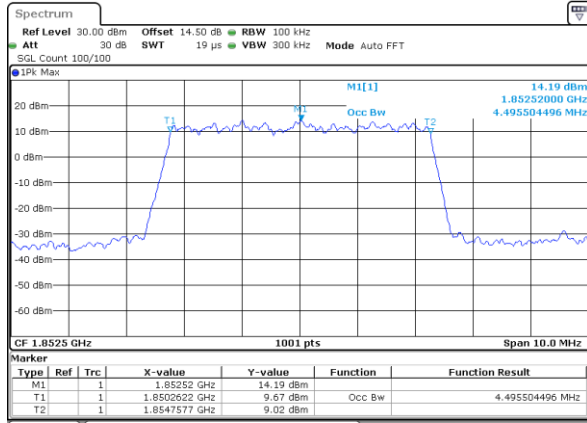


Date: 13.FEB.2018 10:17:58



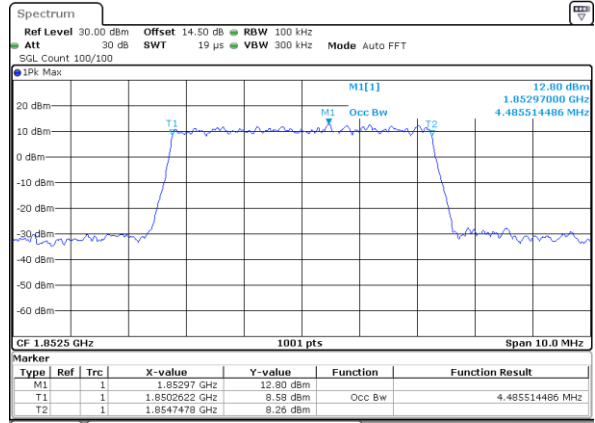
## LTE Band 2

## Lowest Channel / 5MHz / QPSK



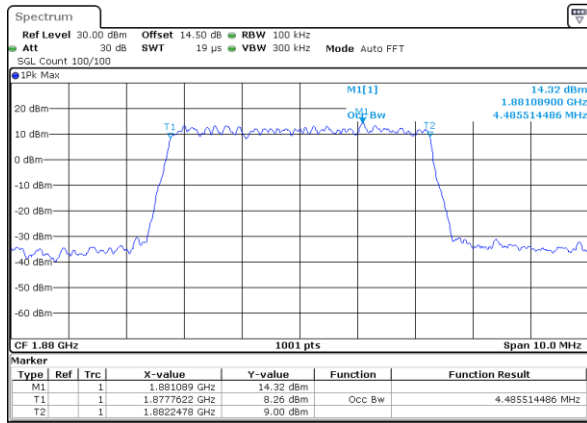
Date: 13.FEB.2018 10:55:20

## Lowest Channel / 5MHz / 16QAM



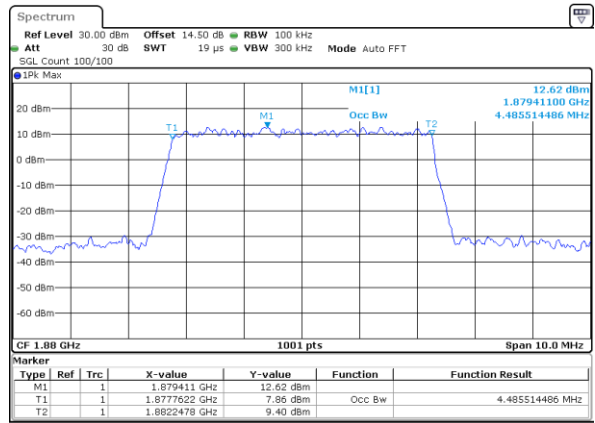
Date: 13.FEB.2018 10:55:38

## Middle Channel / 5MHz / QPSK



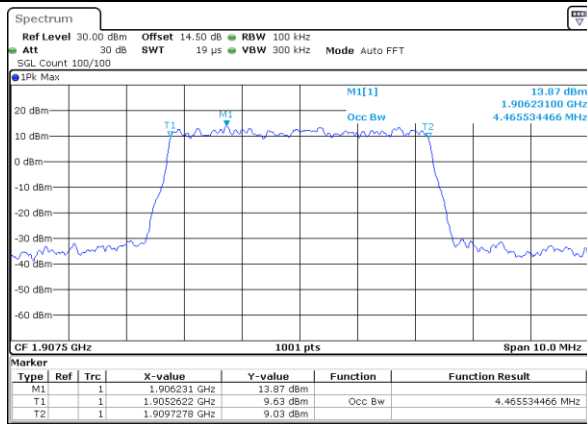
Date: 13.FEB.2018 11:02:38

## Middle Channel / 5MHz / 16QAM



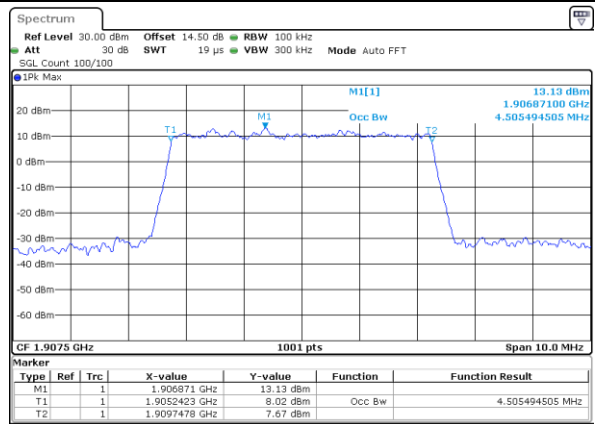
Date: 13.FEB.2018 11:02:48

## Highest Channel / 5MHz / QPSK



Date: 13.FEB.2018 11:05:09

## Highest Channel / 5MHz / 16QAM

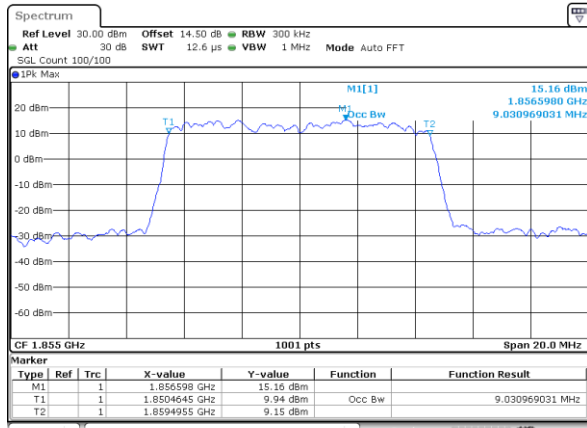


Date: 13.FEB.2018 11:05:20



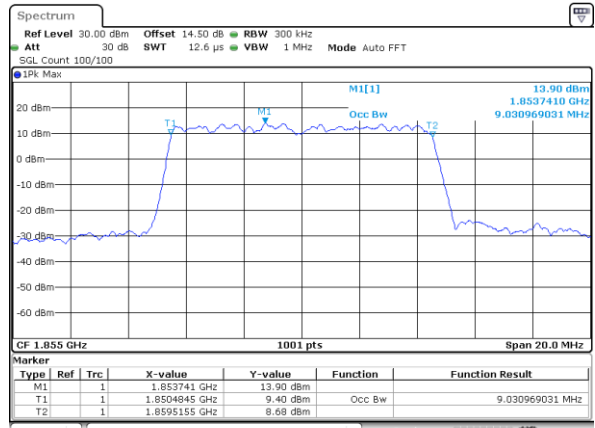
## LTE Band 2

## Lowest Channel / 10MHz / QPSK



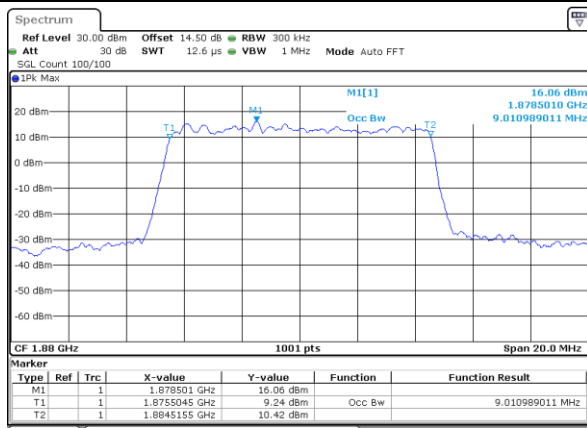
Date: 13.FEB.2018 11:12:20

## Lowest Channel / 10MHz / 16QAM



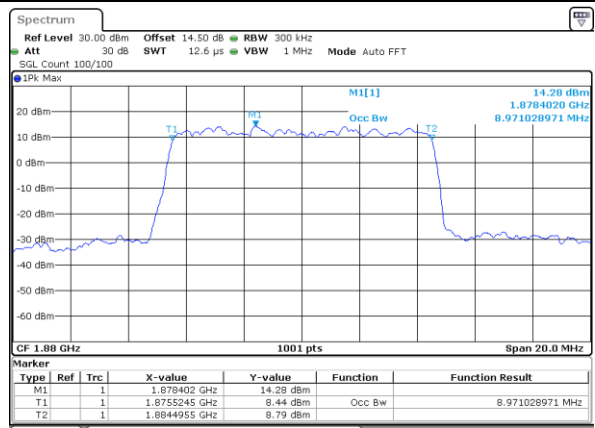
Date: 13.FEB.2018 11:12:30

## Middle Channel / 10MHz / QPSK



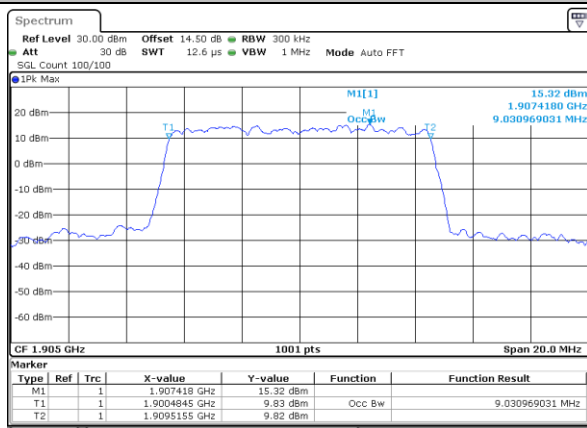
Date: 13.FEB.2018 11:19:30

## Middle Channel / 10MHz / 16QAM



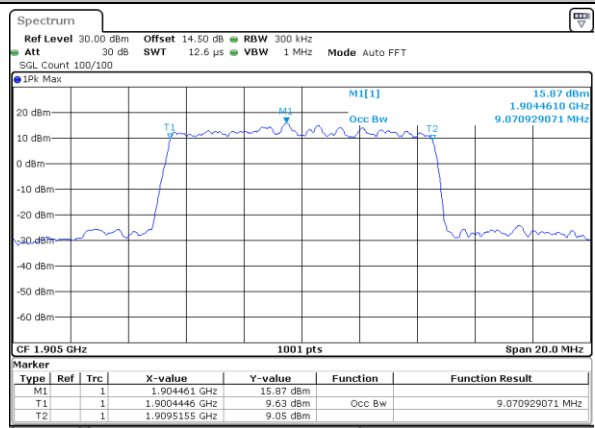
Date: 13.FEB.2018 11:19:40

## Highest Channel / 10MHz / QPSK



Date: 13.FEB.2018 11:22:02

## Highest Channel / 10MHz / 16QAM

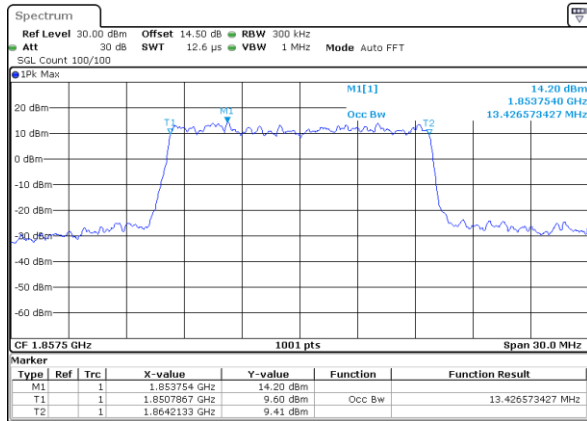


Date: 13.FEB.2018 11:22:12



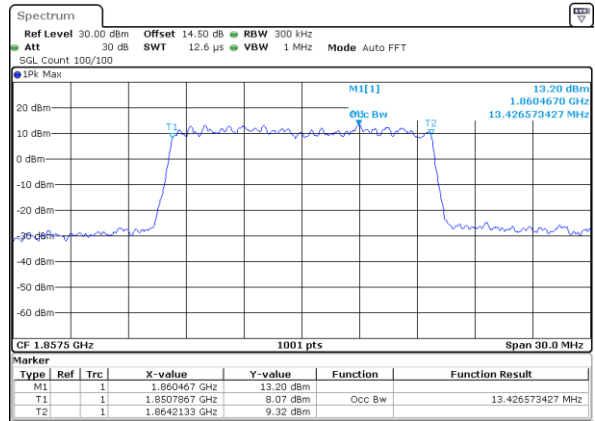
## LTE Band 2

## Lowest Channel / 15MHz / QPSK



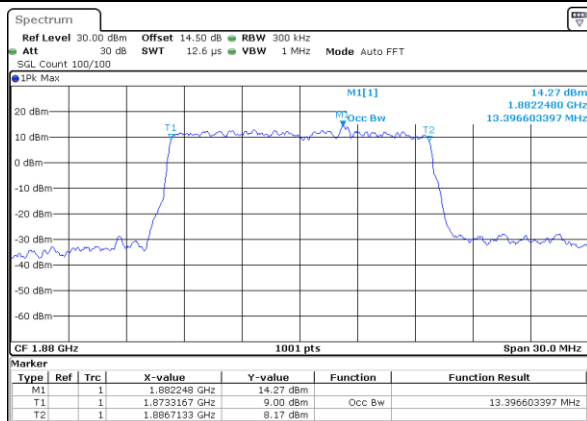
Date: 13.FEB.2018 11:29:12

## Lowest Channel / 15MHz / 16QAM



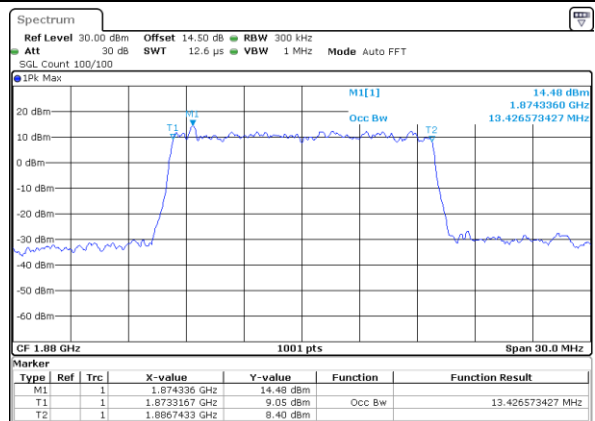
Date: 13.FEB.2018 11:29:12

## Middle Channel / 15MHz / QPSK



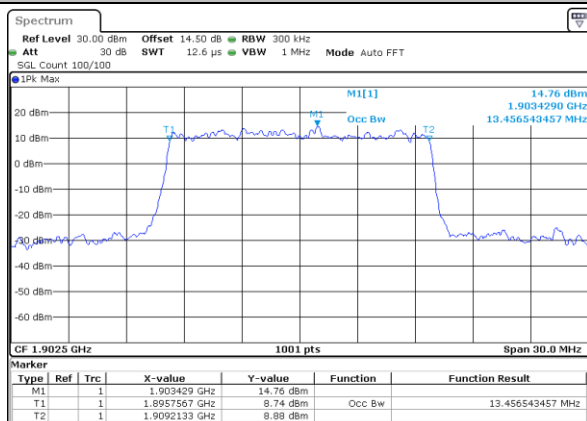
Date: 13.FEB.2018 11:36:22

## Middle Channel / 15MHz / 16QAM



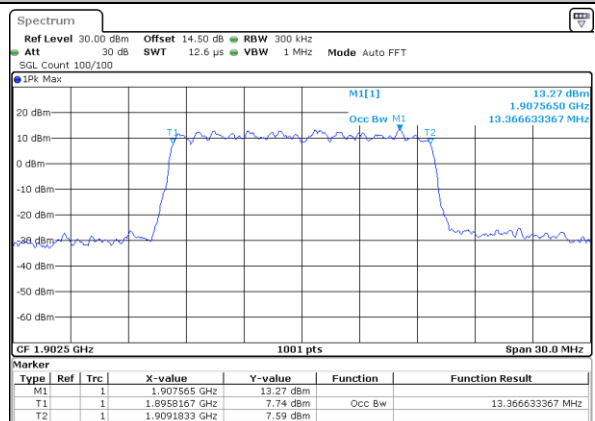
Date: 13.FEB.2018 11:36:32

## Highest Channel / 15MHz / QPSK



Date: 13.FEB.2018 11:38:54

## Highest Channel / 15MHz / 16QAM

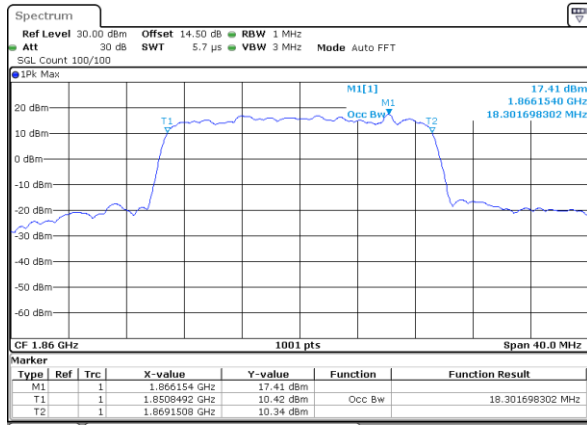


Date: 13.FEB.2018 11:39:04



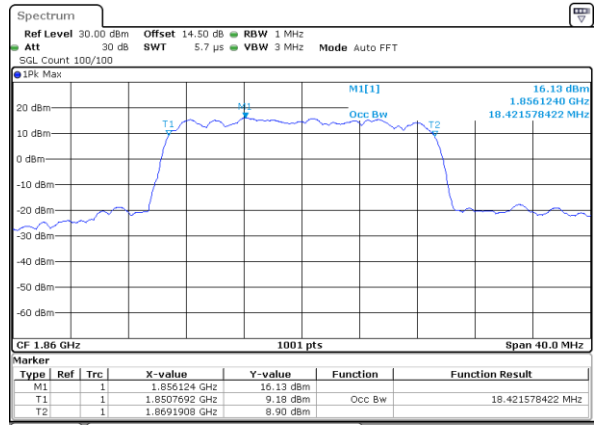
## LTE Band 2

## Lowest Channel / 20MHz / QPSK



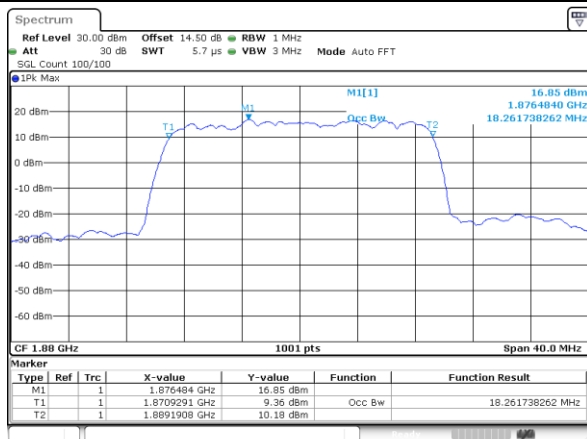
Date: 13.FEB.2018 11:46:04

## Lowest Channel / 20MHz / 16QAM



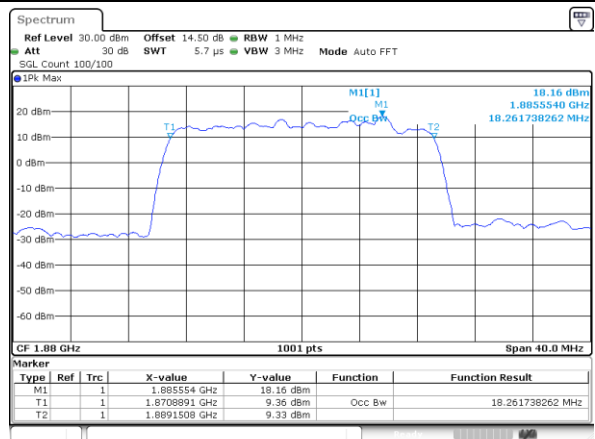
Date: 13.FEB.2018 11:46:15

## Middle Channel / 20MHz / QPSK



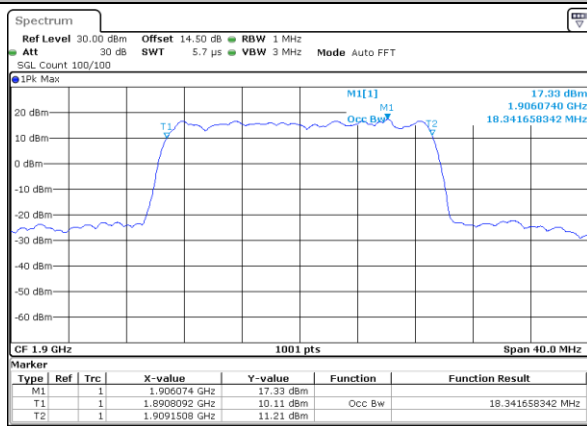
Date: 13.FEB.2018 11:53:13

## Middle Channel / 20MHz / 16QAM



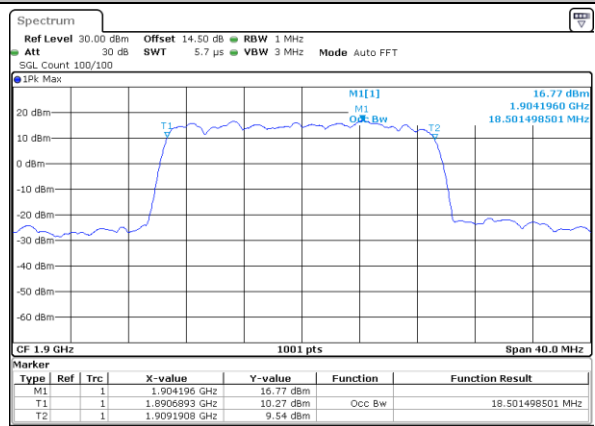
Date: 13.FEB.2018 11:53:23

## Highest Channel / 20MHz / QPSK



Date: 13.FEB.2018 11:55:45

## Highest Channel / 20MHz / 16QAM



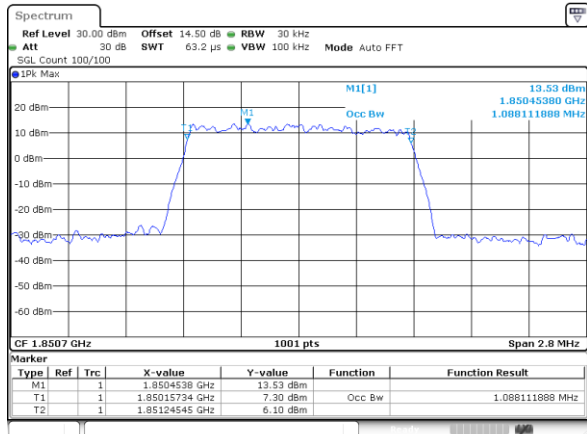
Date: 13.FEB.2018 11:55:55

## LTE Band 2



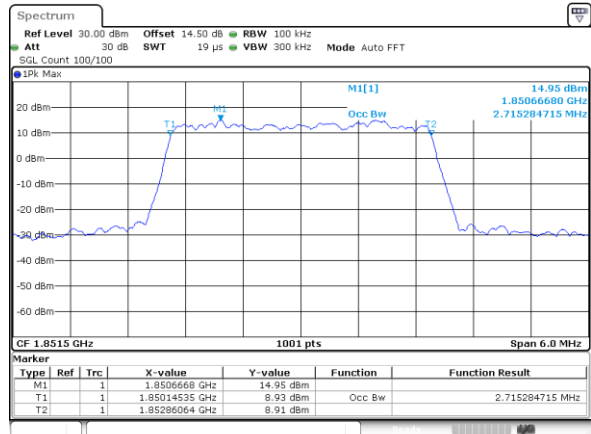


## Lowest Channel / 1.4MHz / 64QAM



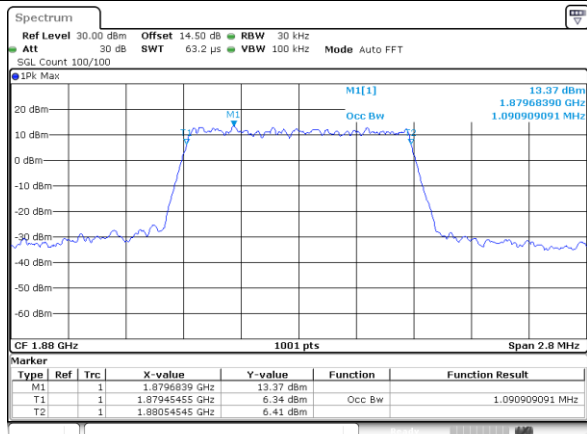
Date: 13.FEB.2018 13:38:55

## Lowest Channel / 3MHz / 64QAM



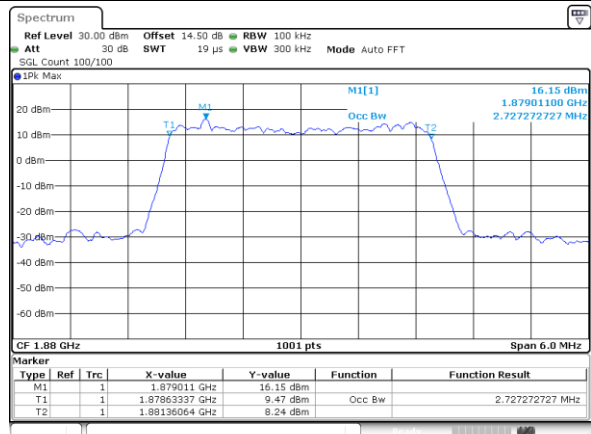
Date: 13.FEB.2018 13:47:21

## Middle Channel / 1.4MHz / 64QAM



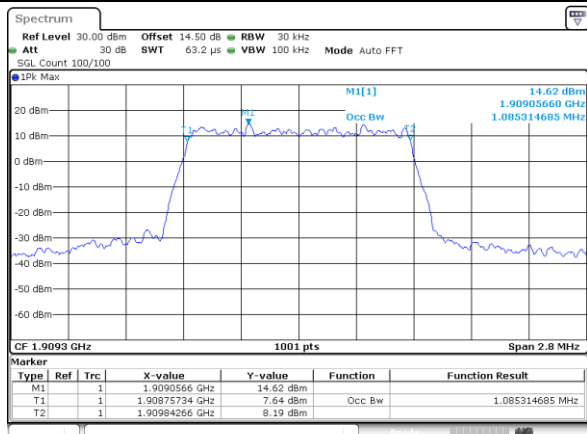
Date: 13.FEB.2018 13:42:30

## Middle Channel / 3MHz / 64QAM



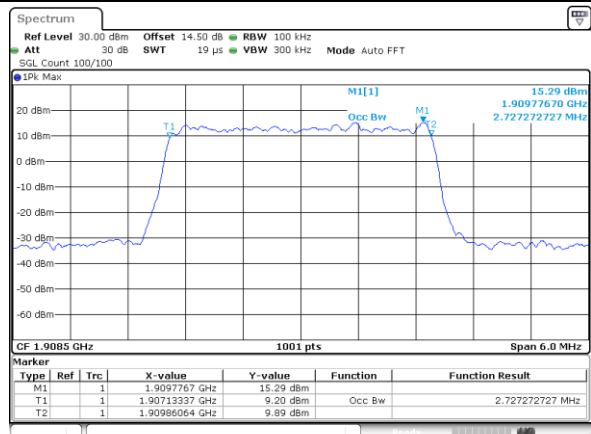
Date: 13.FEB.2018 13:50:56

## Highest Channel / 1.4MHz / 64QAM



Date: 13.FEB.2018 13:43:47

## Highest Channel / 3MHz / 64QAM

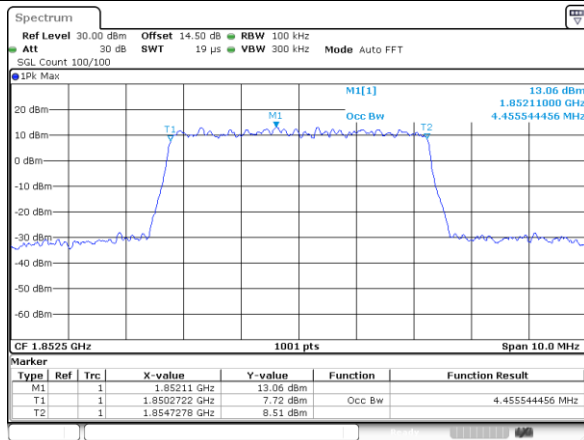


Date: 13.FEB.2018 13:52:12

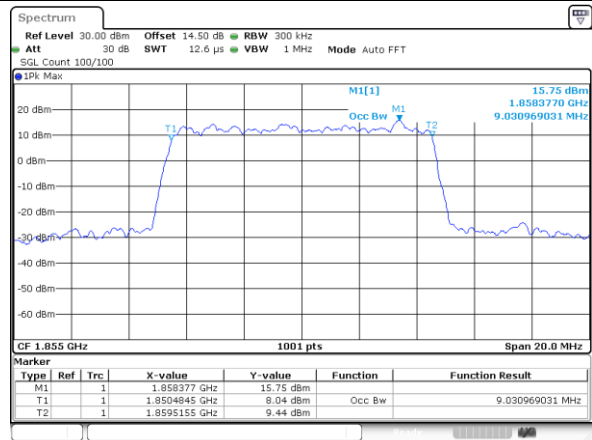


## LTE Band 2

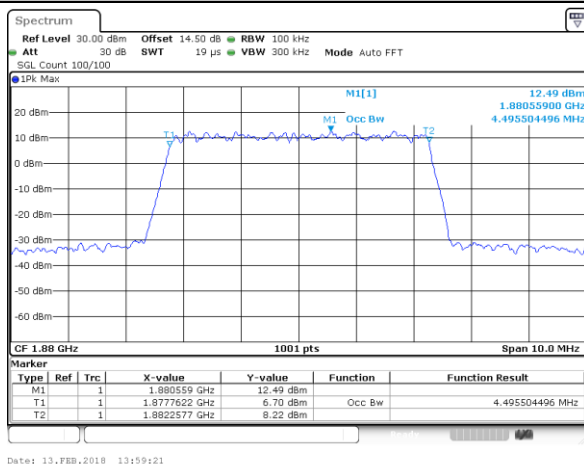
## Lowest Channel / 5MHz / 64QAM



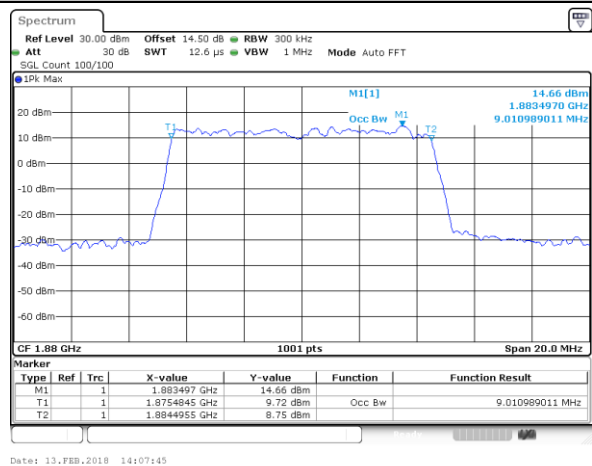
## Lowest Channel / 10MHz / 64QAM



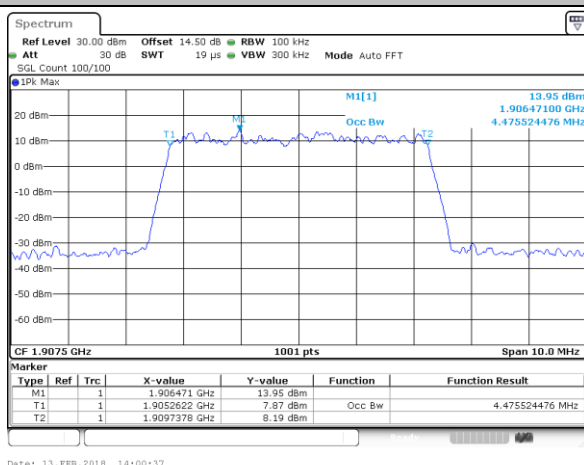
## Middle Channel / 5MHz / 64QAM



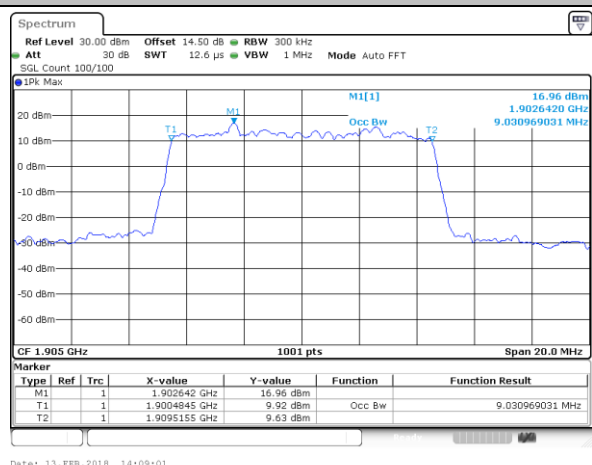
## Middle Channel / 10MHz / 64QAM



## Highest Channel / 5MHz / 64QAM



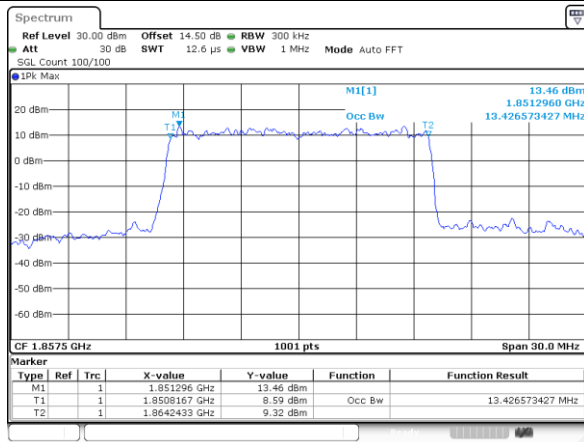
## Highest Channel / 10MHz / 64QAM



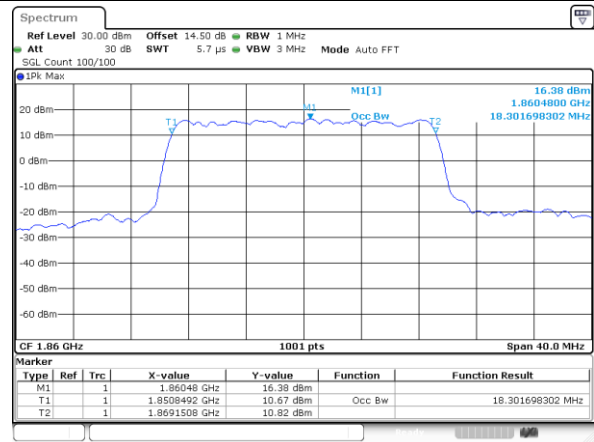


## LTE Band 2

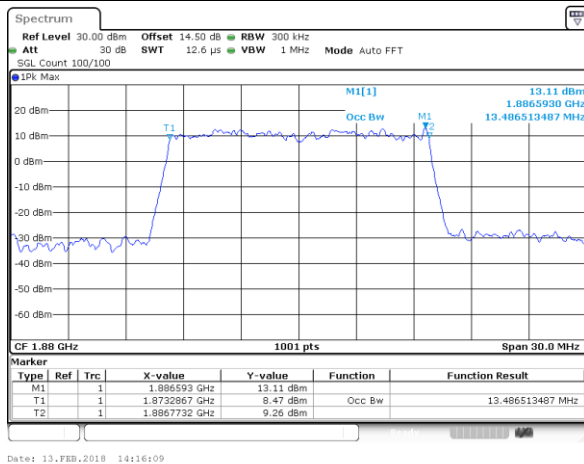
## Lowest Channel / 15MHz / 64QAM



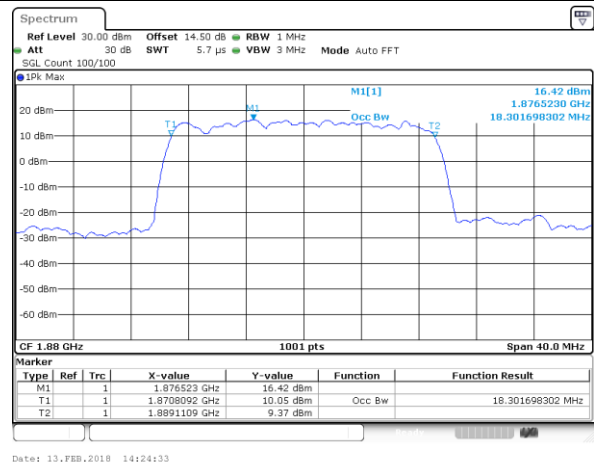
## Lowest Channel / 20MHz / 64QAM



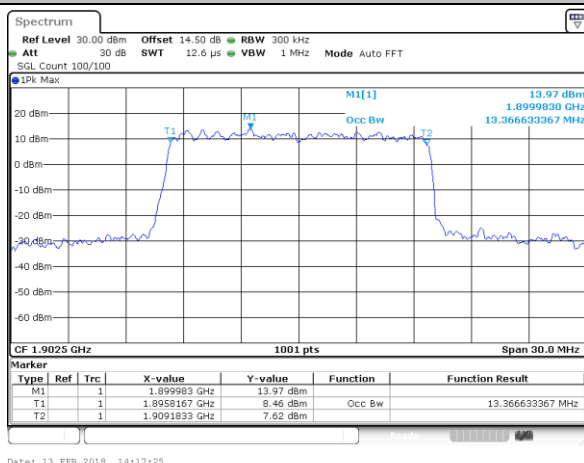
## Middle Channel / 15MHz / 64QAM



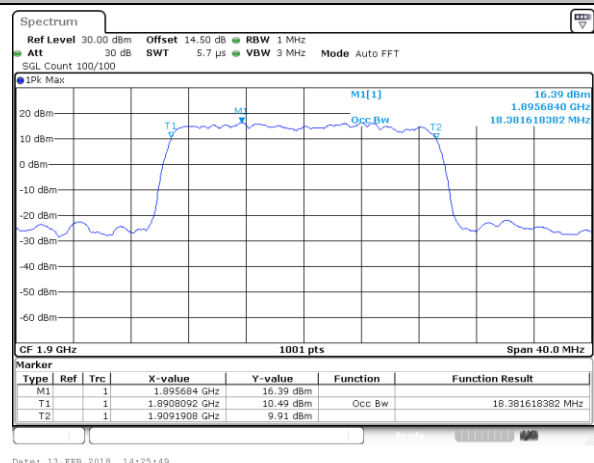
## Middle Channel / 20MHz / 64QAM



## Highest Channel / 15MHz / 64QAM



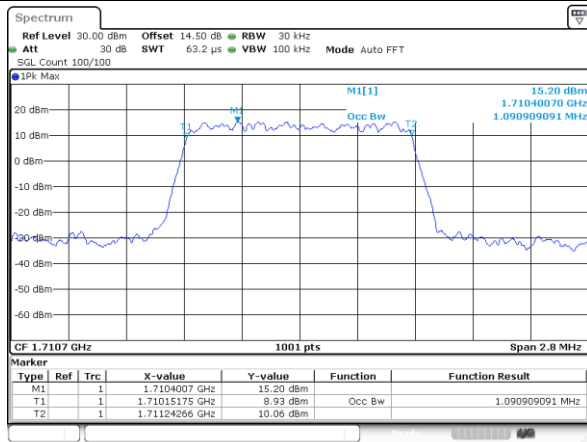
## Highest Channel / 20MHz / 64QAM



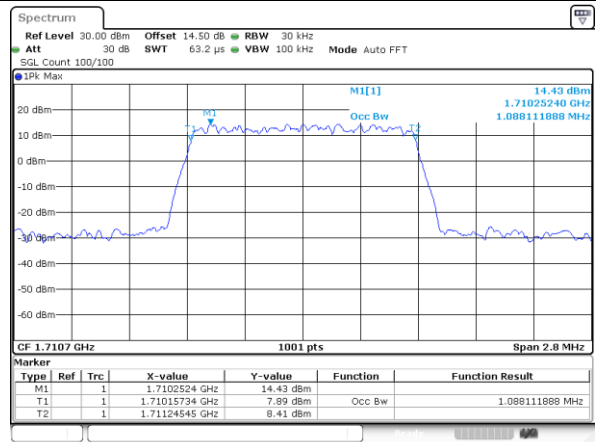


## LTE Band 4

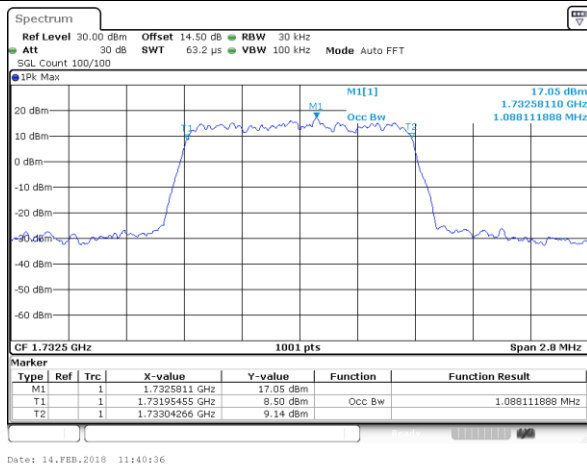
## Lowest Channel / 1.4MHz / QPSK



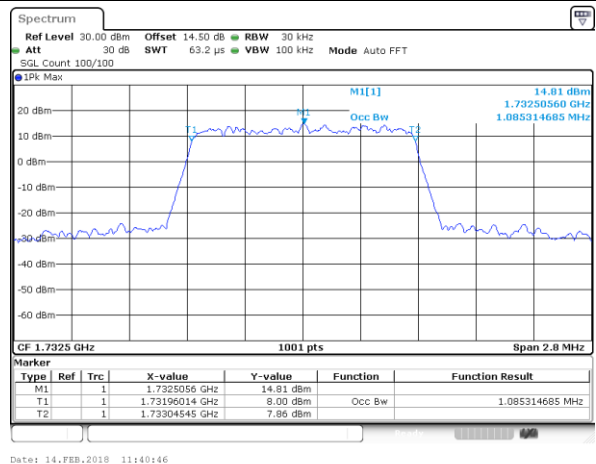
## Lowest Channel / 1.4MHz / 16QAM



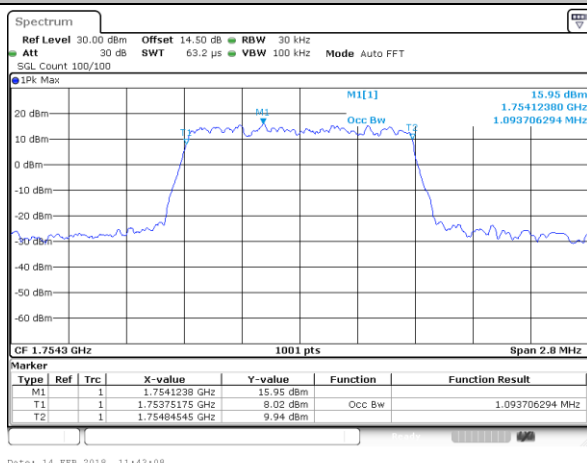
## Middle Channel / 1.4MHz / QPSK



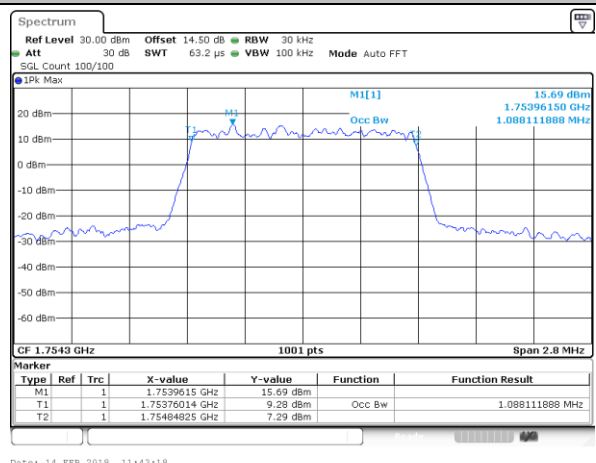
## Middle Channel / 1.4MHz / 16QAM



## Highest Channel / 1.4MHz / QPSK



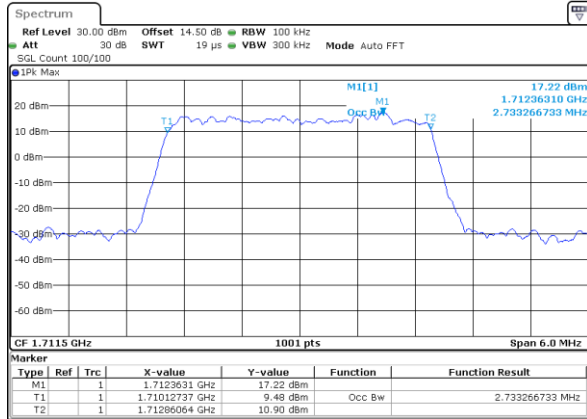
## Highest Channel / 1.4MHz / 16QAM



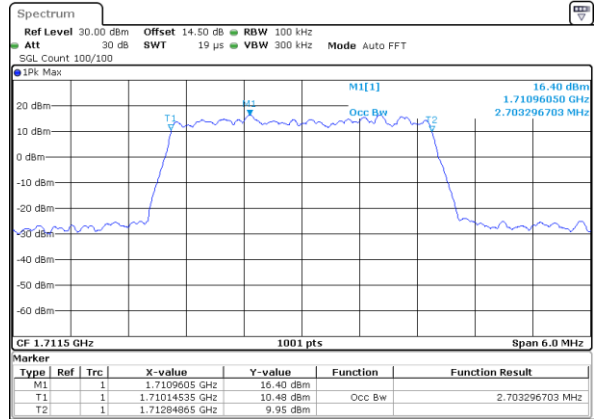


## LTE Band 4

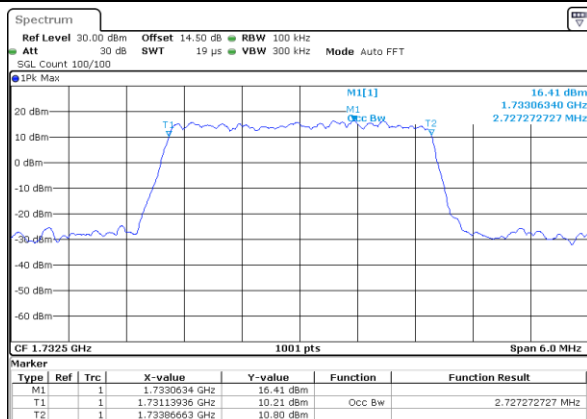
## Lowest Channel / 3MHz / QPSK



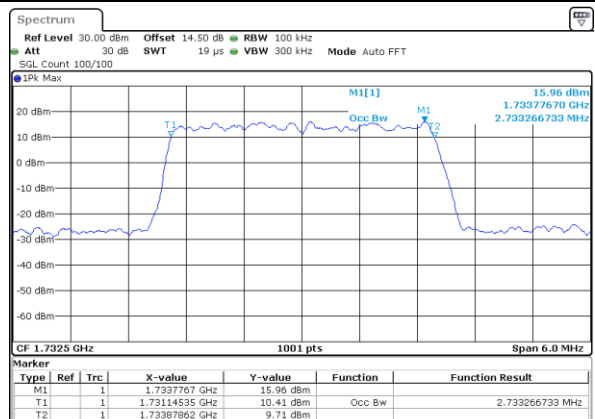
## Lowest Channel / 3MHz / 16QAM



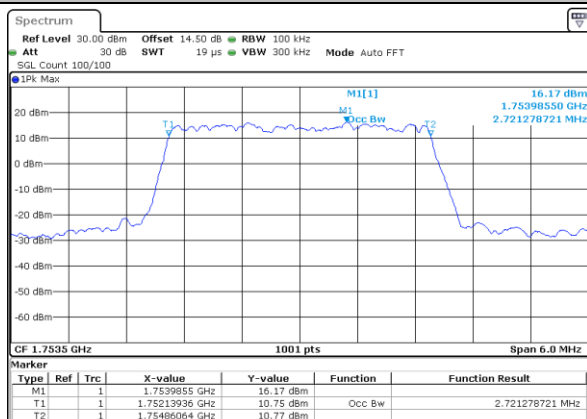
## Middle Channel / 3MHz / QPSK



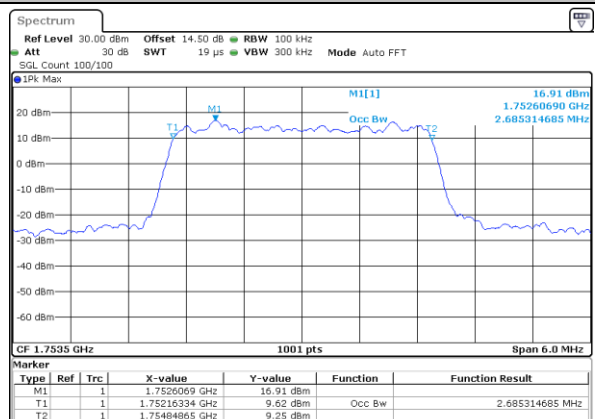
## Middle Channel / 3MHz / 16QAM



## Highest Channel / 3MHz / QPSK



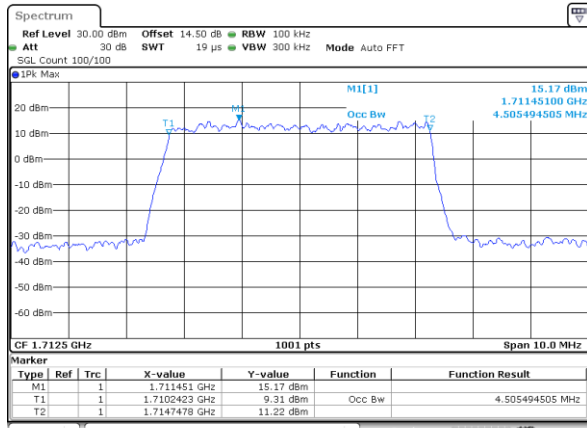
## Highest Channel / 3MHz / 16QAM



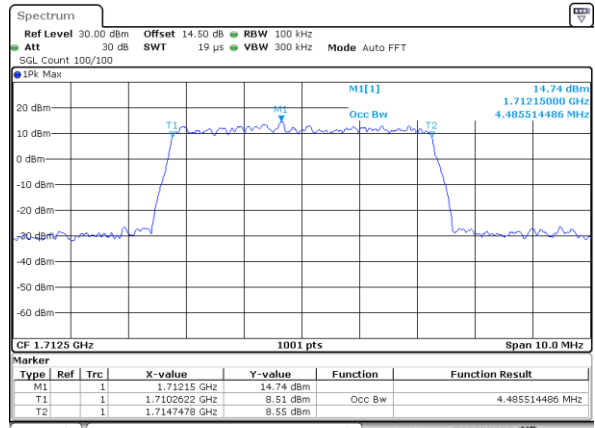


## LTE Band 4

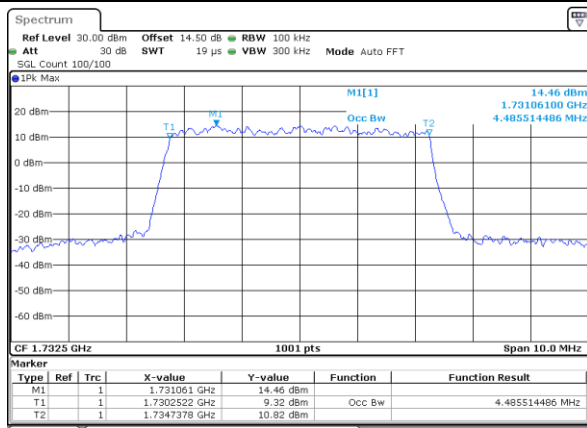
## Lowest Channel / 5MHz / QPSK



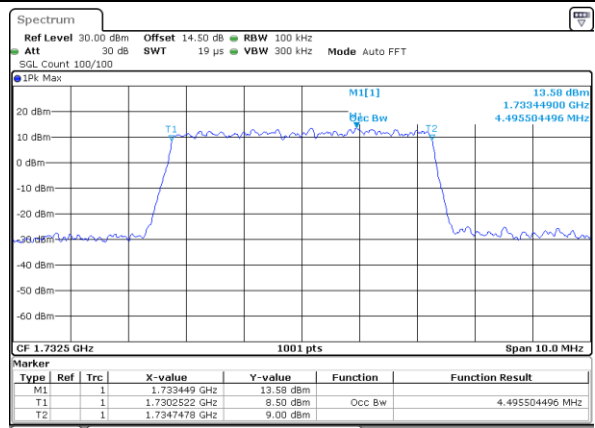
## Lowest Channel / 5MHz / 16QAM



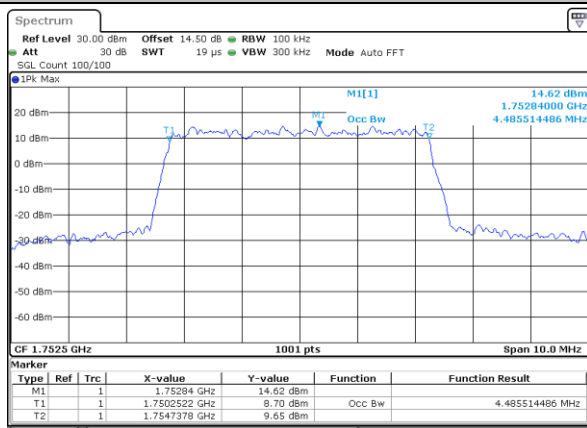
## Middle Channel / 5MHz / QPSK



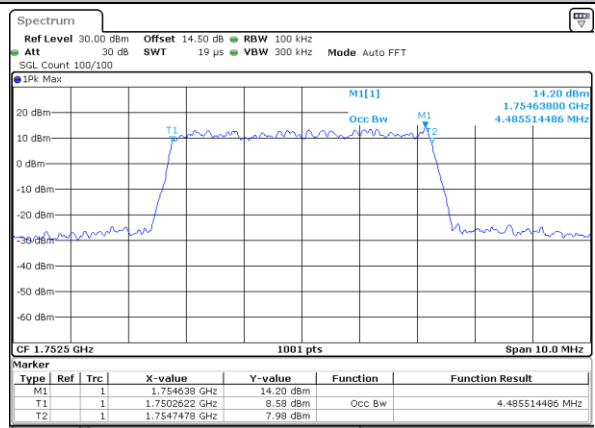
## Middle Channel / 5MHz / 16QAM



## Highest Channel / 5MHz / QPSK



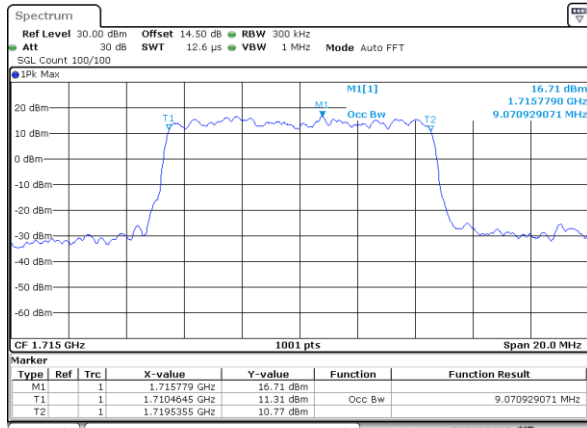
## Highest Channel / 5MHz / 16QAM





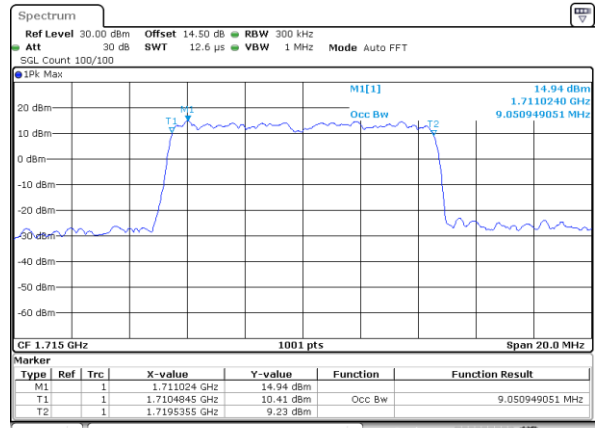
## LTE Band 4

## Lowest Channel / 10MHz / QPSK



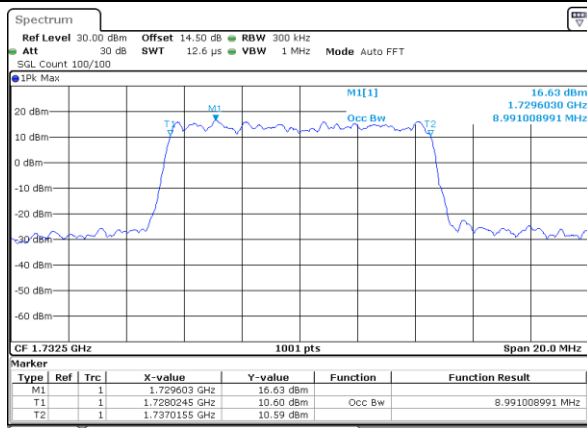
Date: 14.FEB.2018 10:20:22

## Lowest Channel / 10MHz / 16QAM



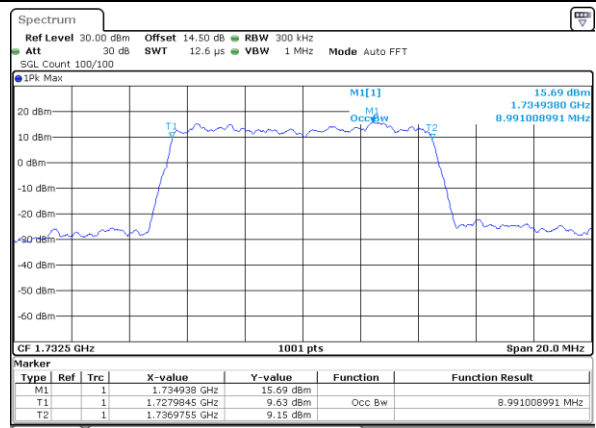
Date: 14.FEB.2018 10:20:32

## Middle Channel / 10MHz / QPSK



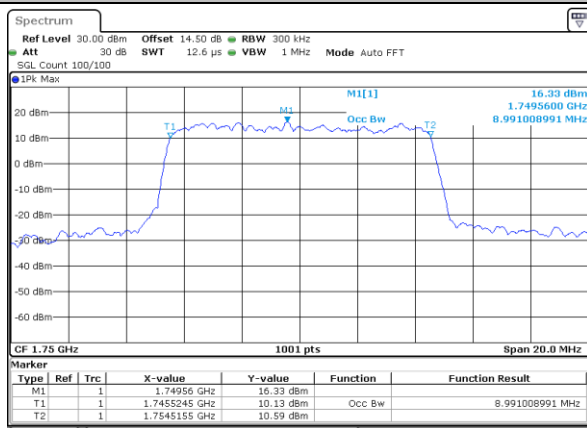
Date: 14.FEB.2018 10:27:31

## Middle Channel / 10MHz / 16QAM



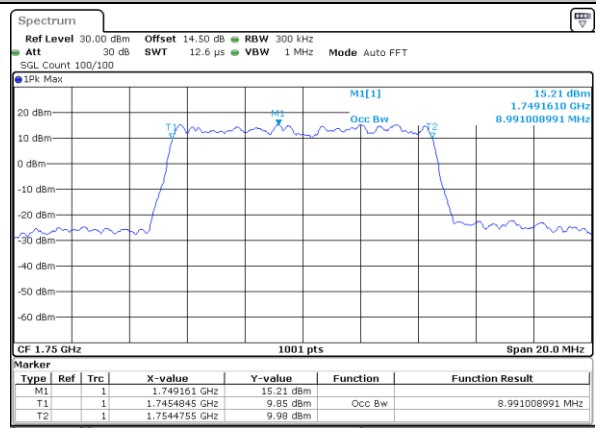
Date: 14.FEB.2018 10:27:41

## Highest Channel / 10MHz / QPSK



Date: 14.FEB.2018 10:30:04

## Highest Channel / 10MHz / 16QAM

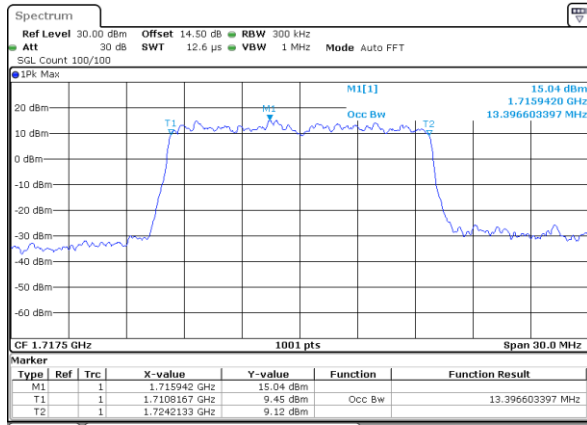


Date: 14.FEB.2018 10:30:14



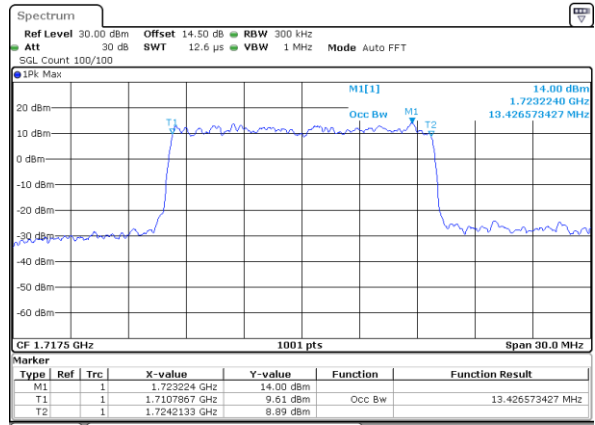
## LTE Band 4

## Lowest Channel / 15MHz / QPSK



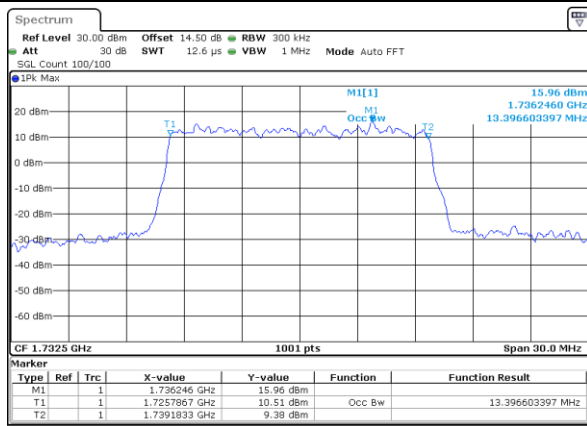
Date: 14.FEB.2018 10:37:12

## Lowest Channel / 15MHz / 16QAM



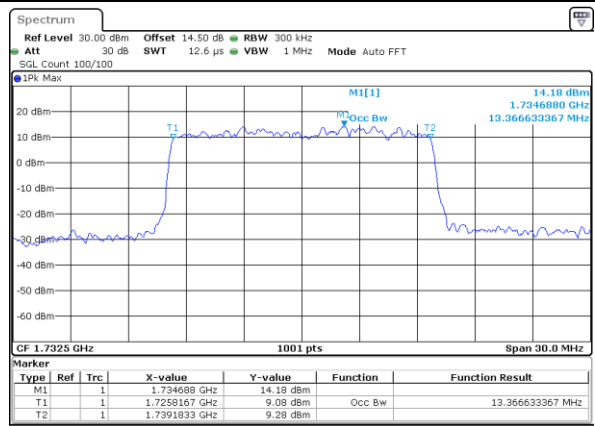
Date: 14.FEB.2018 10:37:23

## Middle Channel / 15MHz / QPSK



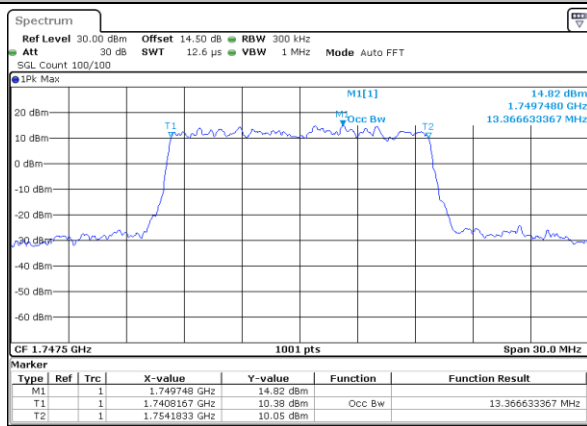
Date: 14.FEB.2018 10:44:21

## Middle Channel / 15MHz / 16QAM



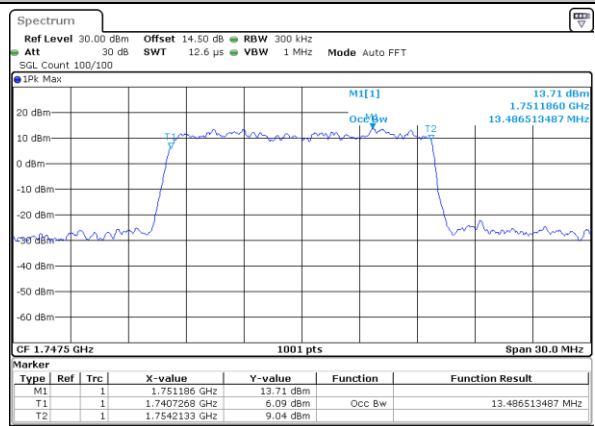
Date: 14.FEB.2018 10:44:31

## Highest Channel / 15MHz / QPSK



Date: 14.FEB.2018 10:46:54

## Highest Channel / 15MHz / 16QAM



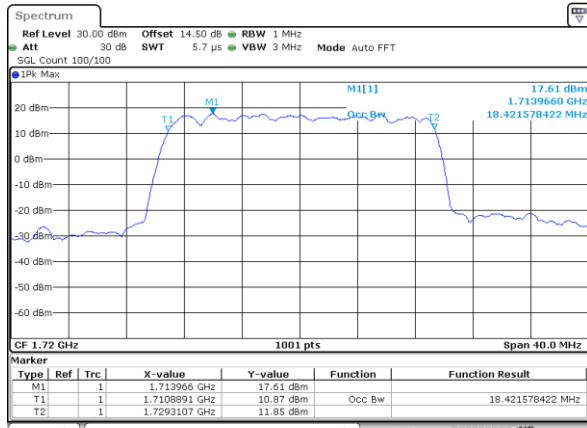
Date: 14.FEB.2018 10:47:04





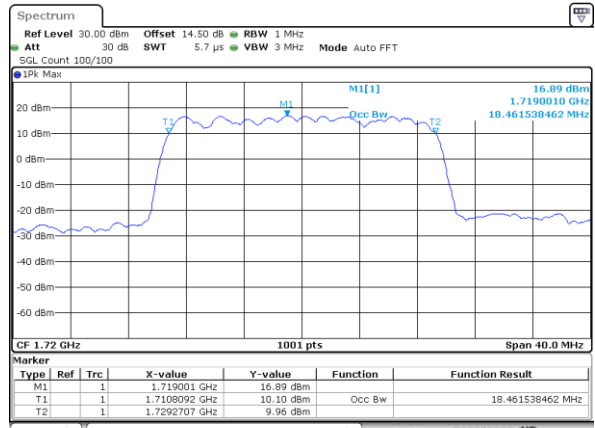
## LTE Band 4

## Lowest Channel / 20MHz / QPSK



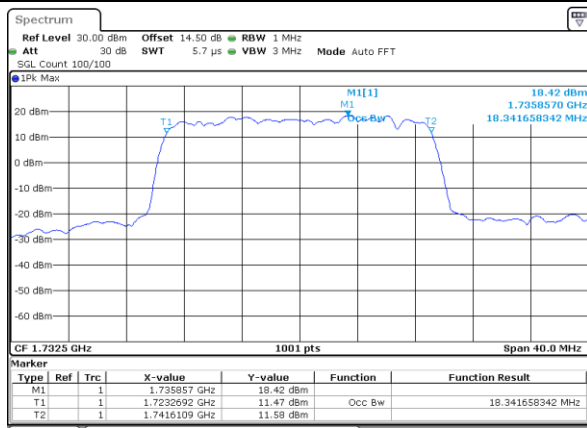
Date: 14.FEB.2018 10:54:02

## Lowest Channel / 20MHz / 16QAM



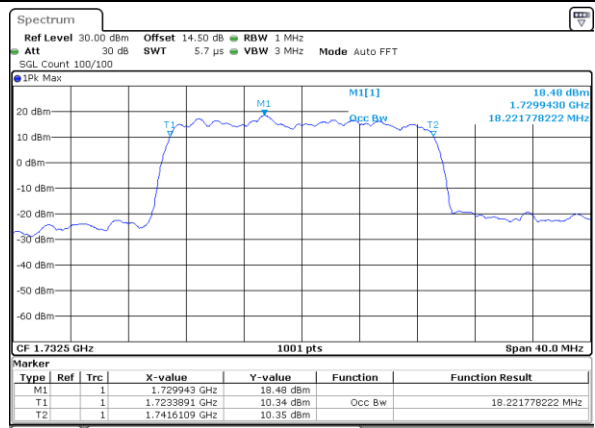
Date: 14.FEB.2018 10:54:12

## Middle Channel / 20MHz / QPSK



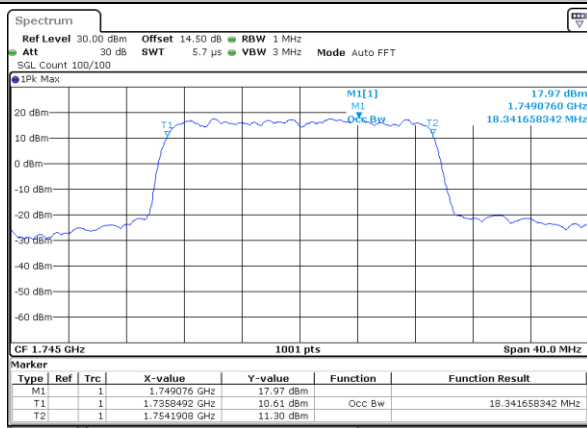
Date: 14.FEB.2018 11:01:11

## Middle Channel / 20MHz / 16QAM



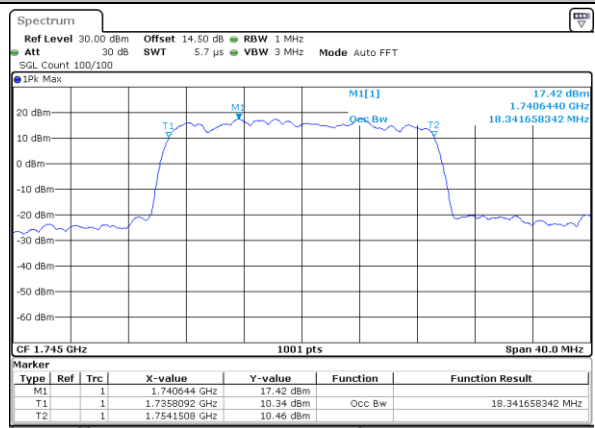
Date: 14.FEB.2018 11:01:21

## Highest Channel / 20MHz / QPSK



Date: 14.FEB.2018 11:03:43

## Highest Channel / 20MHz / 16QAM

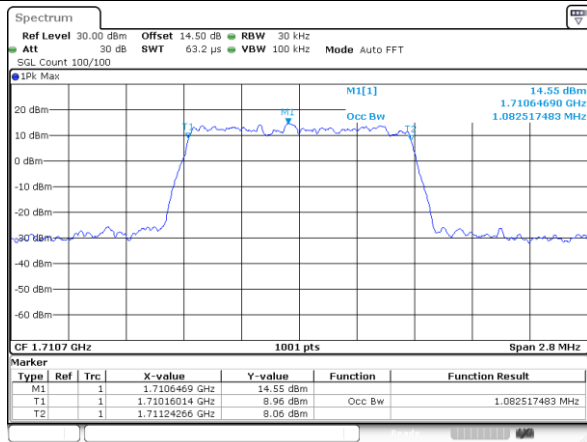


Date: 14.FEB.2018 11:03:53

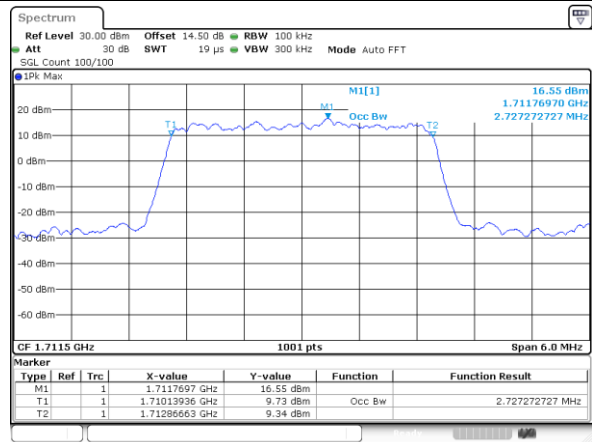


## LTE Band 4

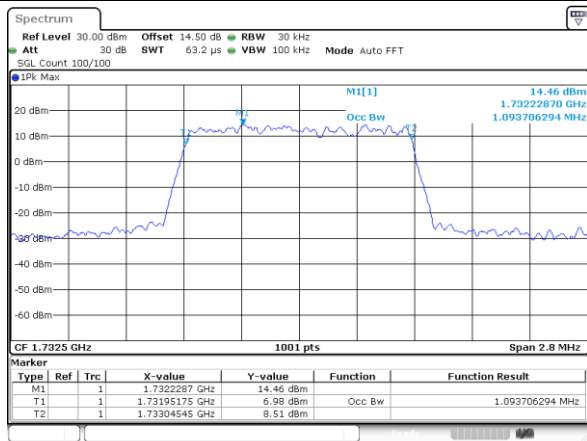
## Lowest Channel / 1.4MHz / 64QAM



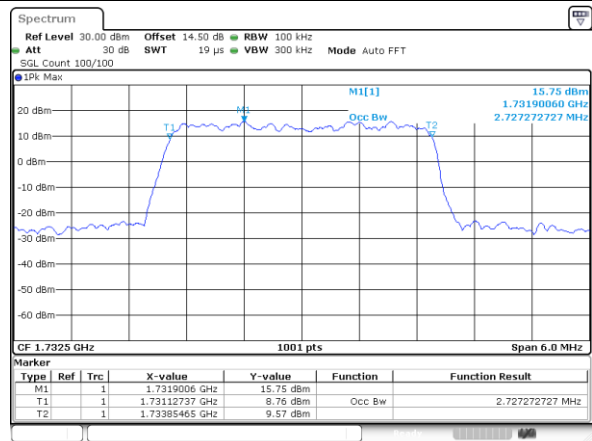
## Lowest Channel / 3MHz / 64QAM



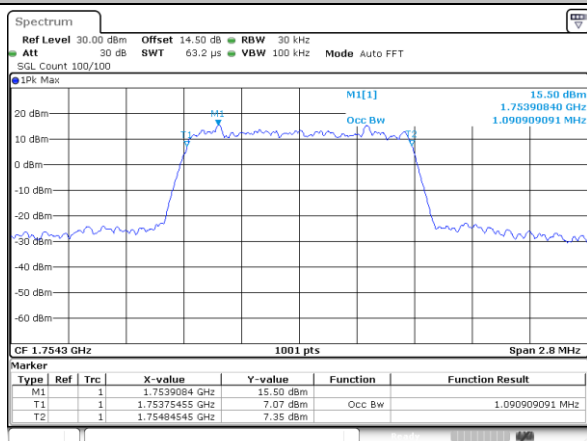
## Middle Channel / 1.4MHz / 64QAM



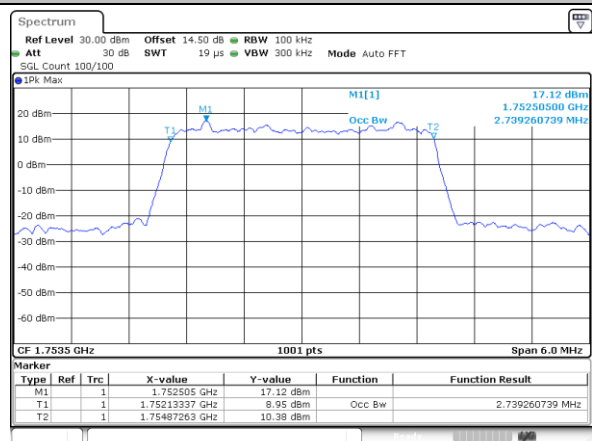
## Middle Channel / 3MHz / 64QAM



## Highest Channel / 1.4MHz / 64QAM



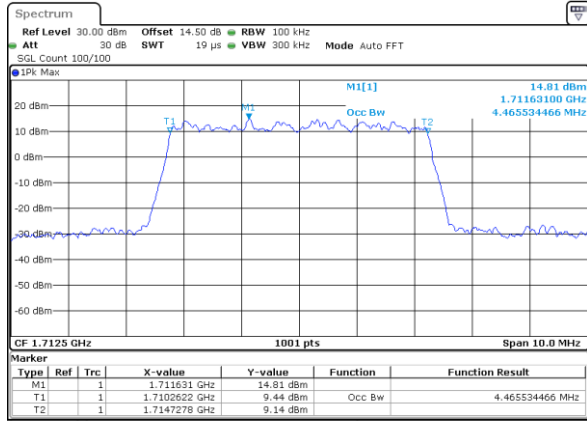
## Highest Channel / 3MHz / 64QAM





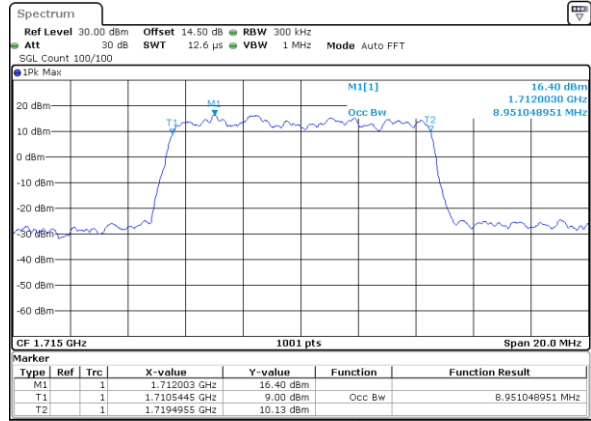
## LTE Band 4

## Lowest Channel / 5MHz / 64QAM



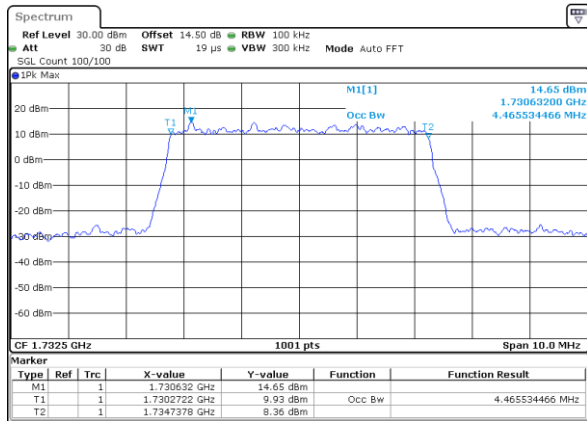
Date: 14.FEB.2018 13:44:01

## Lowest Channel / 10MHz / 64QAM



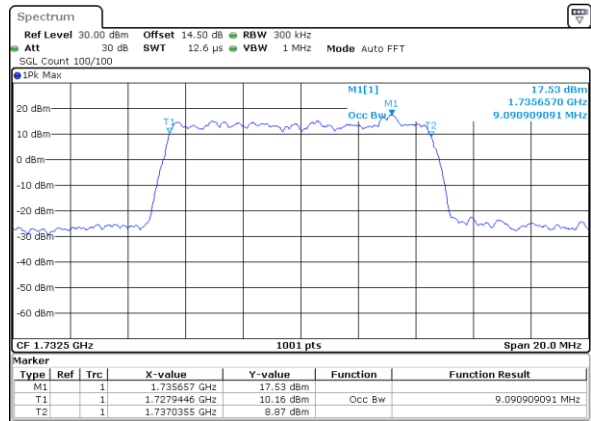
Date: 14.FEB.2018 13:52:25

## Middle Channel / 5MHz / 64QAM



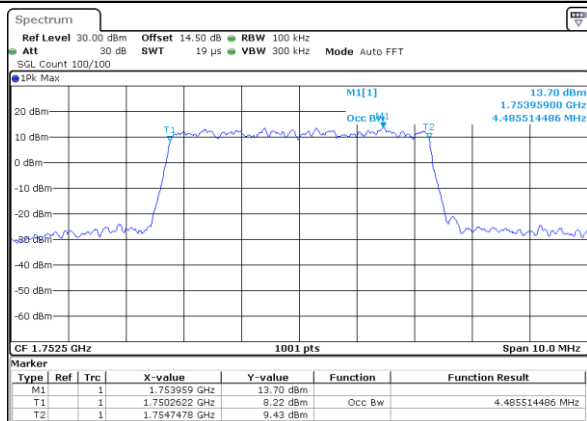
Date: 14.FEB.2018 13:47:35

## Middle Channel / 10MHz / 64QAM



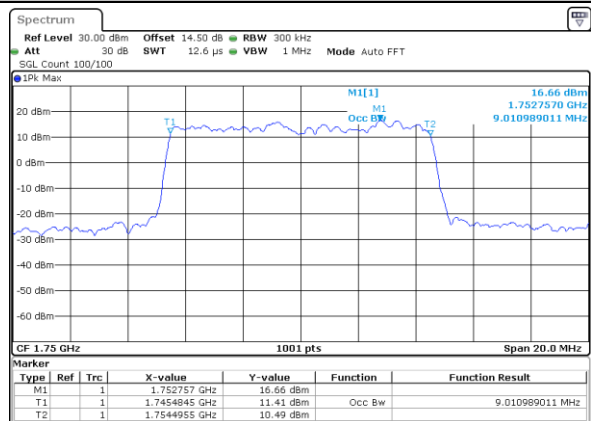
Date: 14.FEB.2018 13:55:58

## Highest Channel / 5MHz / 64QAM



Date: 14.FEB.2018 13:48:51

## Highest Channel / 10MHz / 64QAM

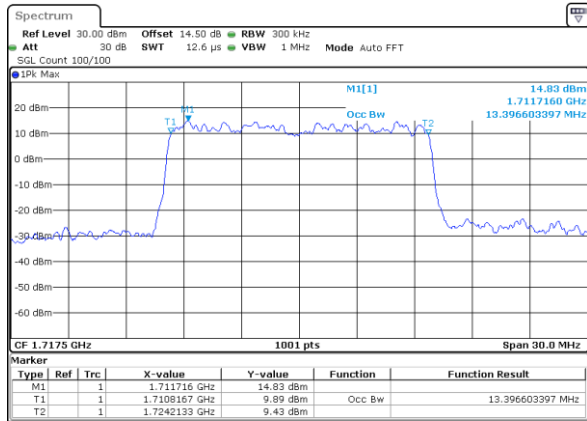


Date: 14.FEB.2018 13:57:15



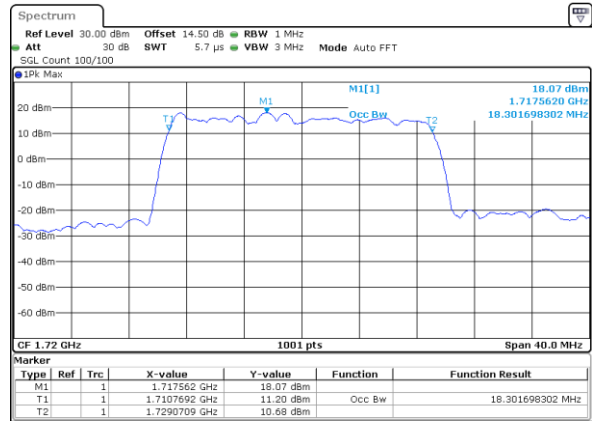
## LTE Band 4

## Lowest Channel / 15MHz / 64QAM



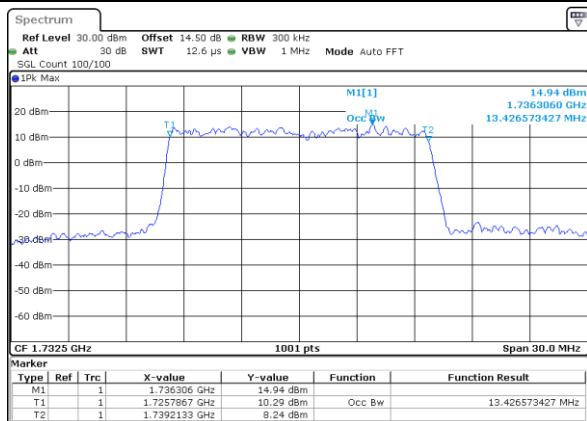
Date: 14.FEB.2018 14:00:48

## Lowest Channel / 20MHz / 64QAM



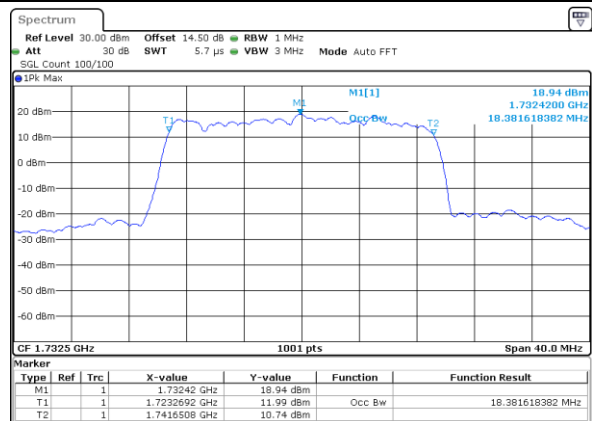
Date: 14.FEB.2018 14:09:11

## Middle Channel / 15MHz / 64QAM



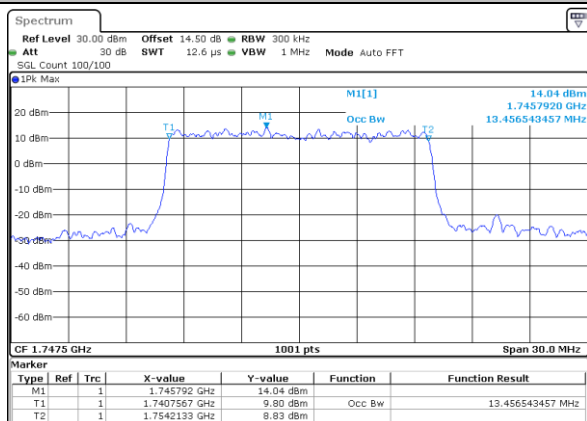
Date: 14.FEB.2018 14:04:22

## Middle Channel / 20MHz / 64QAM



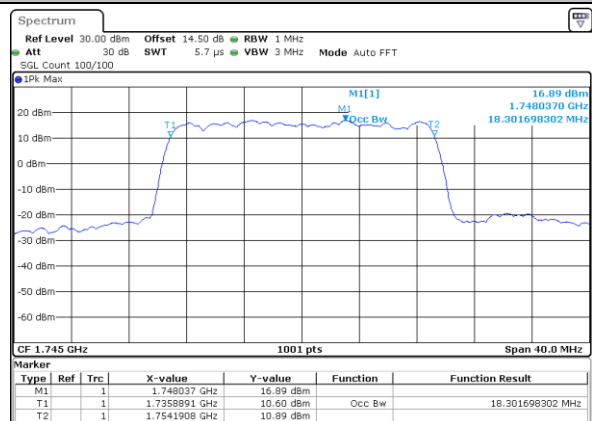
Date: 14.FEB.2018 14:12:45

## Highest Channel / 15MHz / 64QAM



Date: 14.FEB.2018 14:05:38

## Highest Channel / 20MHz / 64QAM

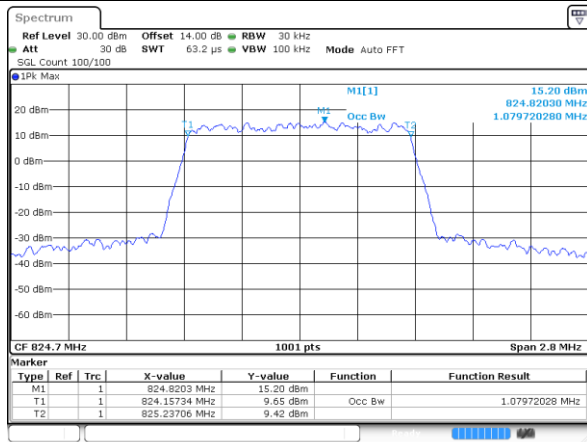


Date: 14.FEB.2018 14:11:01



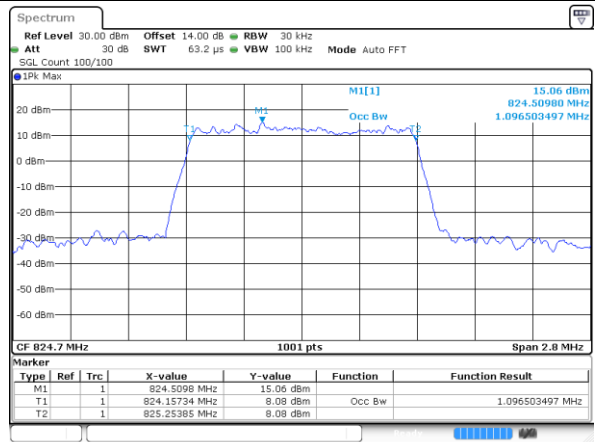
## LTE Band 5

## Lowest Channel / 1.4MHz / QPSK



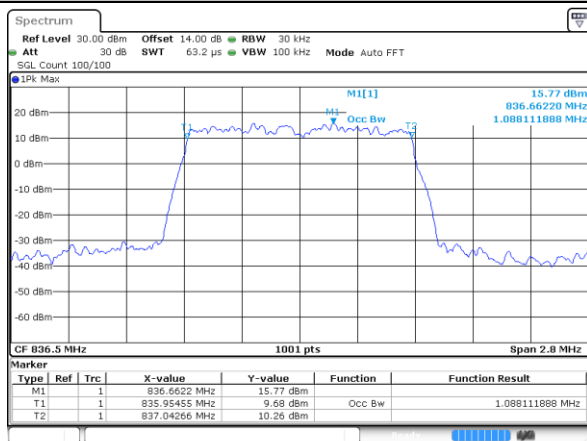
Date: 16 FEB 2018 17:39:53

## Lowest Channel / 1.4MHz / 16QAM



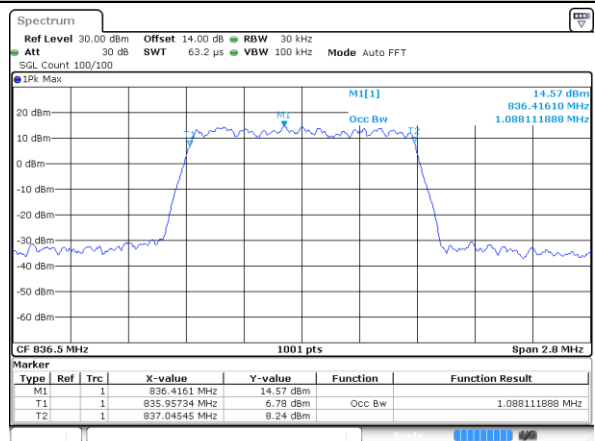
Date: 16 FEB 2018 17:40:03

## Middle Channel / 1.4MHz / QPSK



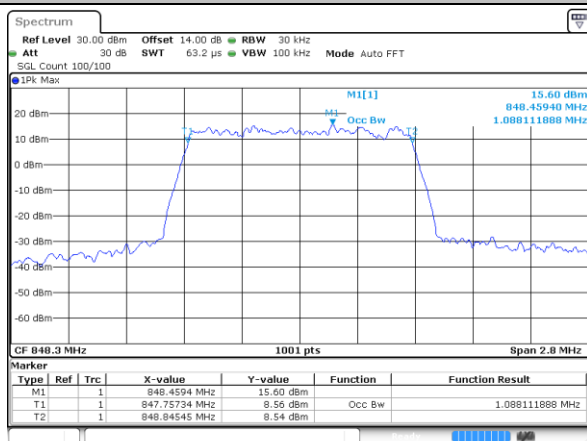
Date: 16 FEB 2018 17:48:55

## Middle Channel / 1.4MHz / 16QAM



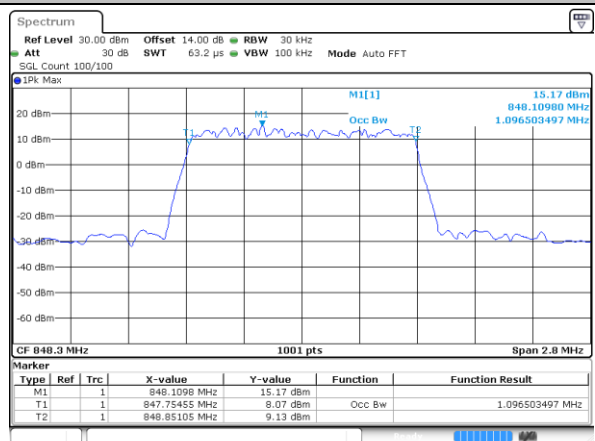
Date: 16 FEB 2018 17:49:05

## Highest Channel / 1.4MHz / QPSK



Date: 16 FEB 2018 17:51:22

## Highest Channel / 1.4MHz / 16QAM



Date: 16 FEB 2018 17:51:32