



| LTE Band 41 CA (GT - LC = 4.40 dBi) 16QAM |           |        |        |          |        |        |          |        |        |
|-------------------------------------------|-----------|--------|--------|----------|--------|--------|----------|--------|--------|
| Bandwidth                                 | 15M + 15M |        |        | 5M + 20M |        |        | 20M + 5M |        |        |
| Channel PCC                               | 39725     | 40545  | 41365  | 39683    | 40528  | 41373  | 39750    | 40595  | 41440  |
|                                           | (Low)     | (Mid)  | (High) | (Low)    | (Mid)  | (High) | (Low)    | (Mid)  | (High) |
| Channel SCC                               | 39875     | 40695  | 41515  | 39800    | 40645  | 41490  | 39867    | 40712  | 41557  |
|                                           | (Low)     | (Mid)  | (High) | (Low)    | (Mid)  | (High) | (Low)    | (Mid)  | (High) |
| Conducted Power (dBm)                     | 22.12     | 22.01  | 22.15  | 21.68    | 21.54  | 21.74  | 21.75    | 21.56  | 21.86  |
| Conducted Power (Watts)                   | 0.1629    | 0.1589 | 0.1641 | 0.1472   | 0.1426 | 0.1493 | 0.1496   | 0.1432 | 0.1535 |
| EIRP(dBm)                                 | 26.52     | 26.41  | 26.55  | 26.08    | 25.94  | 26.14  | 26.15    | 25.96  | 26.26  |
| EIRP(Watts)                               | 0.4487    | 0.4375 | 0.4519 | 0.4055   | 0.3926 | 0.4111 | 0.4121   | 0.3945 | 0.4227 |

| LTE Band 41 CA (GT - LC = 4.40 dBi) 16QAM |           |        |        |           |        |        |           |        |        |
|-------------------------------------------|-----------|--------|--------|-----------|--------|--------|-----------|--------|--------|
| Bandwidth                                 | 10M + 20M |        |        | 20M + 10M |        |        | 15M + 20M |        |        |
| Channel PCC                               | 39705     | 40526  | 41346  | 39750     | 40571  | 41391  | 39728     | 40523  | 41319  |
|                                           | (Low)     | (Mid)  | (High) | (Low)     | (Mid)  | (High) | (Low)     | (Mid)  | (High) |
| Channel SCC                               | 39849     | 40670  | 41490  | 39894     | 40715  | 41535  | 39899     | 40694  | 41490  |
|                                           | (Low)     | (Mid)  | (High) | (Low)     | (Mid)  | (High) | (Low)     | (Mid)  | (High) |
| Conducted Power (dBm)                     | 21.98     | 21.68  | 21.93  | 22.13     | 21.65  | 21.75  | 22.05     | 21.81  | 21.92  |
| Conducted Power (Watts)                   | 0.1578    | 0.1472 | 0.1560 | 0.1633    | 0.1462 | 0.1496 | 0.1603    | 0.1517 | 0.1556 |
| EIRP(dBm)                                 | 26.38     | 26.08  | 26.33  | 26.53     | 26.05  | 26.15  | 26.45     | 26.21  | 26.32  |
| EIRP(Watts)                               | 0.4345    | 0.4055 | 0.4295 | 0.4498    | 0.4027 | 0.4121 | 0.4416    | 0.4178 | 0.4285 |



| LTE Band 41 CA (GT - LC = 4.40 dBi) 16QAM |         |        |        |         |        |        |
|-------------------------------------------|---------|--------|--------|---------|--------|--------|
| Bandwidth                                 | 20M+15M |        |        | 20M+20M |        |        |
| Channel PCC                               | 39750   | 40546  | 41341  | 39750   | 40521  | 41292  |
|                                           | (Low)   | (Mid)  | (High) | (Low)   | (Mid)  | (High) |
| Channel SCC                               | 39921   | 40717  | 41512  | 39948   | 40719  | 41490  |
|                                           | (Low)   | (Mid)  | (High) | (Low)   | (Mid)  | (High) |
| Conducted Power (dBm)                     | 23.32   | 23.26  | 23.05  | 21.82   | 22.15  | 21.86  |
| Conducted Power (Watts)                   | 0.2148  | 0.2118 | 0.2018 | 0.1521  | 0.1641 | 0.1535 |
| EIRP(dBm)                                 | 27.72   | 27.66  | 27.45  | 26.22   | 26.55  | 26.26  |
| EIRP(Watts)                               | 0.5916  | 0.5834 | 0.5559 | 0.4188  | 0.4519 | 0.4227 |

| LTE Band 41 CA (GT - LC = 4.40 dBi) 16QAM |         |        |        |         |        |        |
|-------------------------------------------|---------|--------|--------|---------|--------|--------|
| Bandwidth                                 | 15M+10M |        |        | 10M+15M |        |        |
| Channel PCC                               | 39725   | 40571  | 41417  | 39703   | 40549  | 41395  |
|                                           | (Low)   | (Mid)  | (High) | (Low)   | (Mid)  | (High) |
| Channel SCC                               | 39845   | 40691  | 41537  | 39823   | 40669  | 41490  |
|                                           | (Low)   | (Mid)  | (High) | (Low)   | (Mid)  | (High) |
| Conducted Power (dBm)                     | 22.16   | 21.78  | 21.86  | 21.89   | 21.76  | 21.89  |
| Conducted Power (Watts)                   | 0.1644  | 0.1507 | 0.1535 | 0.1545  | 0.1500 | 0.1545 |
| EIRP(dBm)                                 | 26.56   | 26.18  | 26.26  | 26.29   | 26.16  | 26.29  |
| EIRP(Watts)                               | 0.4529  | 0.4150 | 0.4227 | 0.4256  | 0.4130 | 0.4256 |



| LTE Band 41 CA (GT - LC = 4.40 dBi) 64QAM |           |        |        |          |        |        |          |        |        |
|-------------------------------------------|-----------|--------|--------|----------|--------|--------|----------|--------|--------|
| Bandwidth                                 | 15M + 15M |        |        | 5M + 20M |        |        | 20M + 5M |        |        |
| Channel PCC                               | 39725     | 40545  | 41365  | 39683    | 40528  | 41373  | 39750    | 40595  | 41440  |
|                                           | (Low)     | (Mid)  | (High) | (Low)    | (Mid)  | (High) | (Low)    | (Mid)  | (High) |
| Channel SCC                               | 39875     | 40695  | 41515  | 39800    | 40645  | 41490  | 39867    | 40712  | 41557  |
|                                           | (Low)     | (Mid)  | (High) | (Low)    | (Mid)  | (High) | (Low)    | (Mid)  | (High) |
| Conducted Power (dBm)                     | 19.81     | 19.78  | 19.74  | 20.12    | 20.05  | 20.12  | 20.09    | 20.01  | 20.05  |
| Conducted Power (Watts)                   | 0.0957    | 0.0951 | 0.0942 | 0.1028   | 0.1012 | 0.1028 | 0.1021   | 0.1002 | 0.1012 |
| EIRP(dBm)                                 | 24.21     | 24.18  | 24.14  | 24.52    | 24.45  | 24.52  | 24.49    | 24.41  | 24.45  |
| EIRP(Watts)                               | 0.2636    | 0.2618 | 0.2594 | 0.2831   | 0.2786 | 0.2831 | 0.2812   | 0.2761 | 0.2786 |

| LTE Band 41 CA (GT - LC = 4.40 dBi) 64QAM |           |        |        |           |        |        |           |        |        |
|-------------------------------------------|-----------|--------|--------|-----------|--------|--------|-----------|--------|--------|
| Bandwidth                                 | 10M + 20M |        |        | 20M + 10M |        |        | 15M + 20M |        |        |
| Channel PCC                               | 39705     | 40526  | 41346  | 39750     | 40571  | 41391  | 39728     | 40523  | 41319  |
|                                           | (Low)     | (Mid)  | (High) | (Low)     | (Mid)  | (High) | (Low)     | (Mid)  | (High) |
| Channel SCC                               | 39849     | 40670  | 41490  | 39894     | 40715  | 41535  | 39899     | 40694  | 41490  |
|                                           | (Low)     | (Mid)  | (High) | (Low)     | (Mid)  | (High) | (Low)     | (Mid)  | (High) |
| Conducted Power (dBm)                     | 19.80     | 19.6   | 19.74  | 20.14     | 19.48  | 19.7   | 20.06     | 19.6   | 19.73  |
| Conducted Power (Watts)                   | 0.0955    | 0.0912 | 0.0942 | 0.1033    | 0.0887 | 0.0933 | 0.1014    | 0.0912 | 0.0940 |
| EIRP(dBm)                                 | 24.20     | 24.00  | 24.14  | 24.54     | 23.88  | 24.10  | 24.46     | 24.00  | 24.13  |
| EIRP(Watts)                               | 0.2630    | 0.2512 | 0.2594 | 0.2844    | 0.2443 | 0.2570 | 0.2793    | 0.2512 | 0.2588 |

| LTE Band 41 CA (GT - LC = 4.40 dBi) 64QAM |         |        |        |         |        |        |
|-------------------------------------------|---------|--------|--------|---------|--------|--------|
| Bandwidth                                 | 20M+15M |        |        | 20M+20M |        |        |
| Channel PCC                               | 39750   | 40546  | 41341  | 39750   | 40521  | 41292  |
|                                           | (Low)   | (Mid)  | (High) | (Low)   | (Mid)  | (High) |
| Channel SCC                               | 39921   | 40717  | 41512  | 39948   | 40719  | 41490  |
|                                           | (Low)   | (Mid)  | (High) | (Low)   | (Mid)  | (High) |
| Conducted Power (dBm)                     | 20.31   | 20.46  | 20.17  | 20.77   | 20.78  | 20.44  |
| Conducted Power (Watts)                   | 0.1074  | 0.1112 | 0.1040 | 0.1194  | 0.1197 | 0.1107 |
| EIRP(dBm)                                 | 24.71   | 24.86  | 24.57  | 25.17   | 25.18  | 24.84  |
| EIRP(Watts)                               | 0.2958  | 0.3062 | 0.2864 | 0.3289  | 0.3296 | 0.3048 |



| LTE Band 41 CA (GT - LC = 4.40 dBi) 64QAM |         |        |        |         |        |        |
|-------------------------------------------|---------|--------|--------|---------|--------|--------|
| Bandwidth                                 | 15M+10M |        |        | 10M+15M |        |        |
| Channel PCC                               | 39725   | 40571  | 41417  | 39703   | 40549  | 41395  |
|                                           | (Low)   | (Mid)  | (High) | (Low)   | (Mid)  | (High) |
| Channel SCC                               | 39845   | 40691  | 41537  | 39823   | 40669  | 41490  |
|                                           | (Low)   | (Mid)  | (High) | (Low)   | (Mid)  | (High) |
| Conducted Power (dBm)                     | 20.10   | 19.86  | 19.78  | 19.86   | 19.83  | 19.86  |
| Conducted Power (Watts)                   | 0.1023  | 0.0968 | 0.0951 | 0.0968  | 0.0962 | 0.0968 |
| EIRP(dBm)                                 | 24.50   | 24.26  | 24.18  | 24.26   | 24.23  | 24.26  |
| EIRP(Watts)                               | 0.2818  | 0.2667 | 0.2618 | 0.2667  | 0.2649 | 0.2667 |

**Peak-to-Average Ratio**

| Mode       | LTE Band 7 / 20MHz |         |       |         |             |
|------------|--------------------|---------|-------|---------|-------------|
| Mod.       | QPSK               |         | 16QAM |         | Limit: 13dB |
| RB Size    | 1RB                | Full RB | 1RB   | Full RB | Result      |
| Lowest CH  | 3.51               | 4.23    | 4.72  | 5.65    | PASS        |
| Middle CH  | 3.57               | 4.46    | 5.16  | 5.8     |             |
| Highest CH | 3.57               | 4.32    | 5.51  | 5.8     |             |
| Mod.       | 64QAM              |         | -     |         | Limit: 13dB |
| RB Size    | 1RB                | Full RB | -     | -       | Result      |
| Lowest CH  | 5.97               | 6.26    | -     | -       | PASS        |
| Middle CH  | 5.42               | 6.29    | -     | -       |             |
| Highest CH | 5.39               | 6.35    | -     | -       |             |

| Mode       | LTE Band 12 / 10MHz |         |             |         |             |
|------------|---------------------|---------|-------------|---------|-------------|
| Mod.       | QPSK                |         | 16QAM       |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB | 1RB         | Full RB | Result      |
| Lowest CH  | 3.68                | 4.7     | 5.25        | 5.97    | PASS        |
| Middle CH  | 3.65                | 4.7     | 5.62        | 5.94    |             |
| Highest CH | 3.68                | 4.64    | 5.48        | 6.03    |             |
| Mod.       | 64QAM               |         | Limit: 13dB |         |             |
| RB Size    | 1RB                 | Full RB | Result      |         |             |
| Lowest CH  | 5.57                | 5.94    | PASS        |         |             |
| Middle CH  | 5.36                | 5.94    |             |         |             |
| Highest CH | 5.3                 | 5.94    |             |         |             |

| Mode       | LTE Band 13 / 10MHz |         |       |         |             |
|------------|---------------------|---------|-------|---------|-------------|
| Mod.       | QPSK                |         | 16QAM |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB | 1RB   | Full RB | Result      |
| Lowest CH  | -                   | -       | -     | -       | PASS        |
| Middle CH  | 3.62                | 4.67    | 5.01  | 5.97    |             |
| Highest CH | -                   | -       | -     | -       |             |
| Mode       | LTE Band 13 / 10MHz |         |       |         |             |
| Mod.       | 64QAM               |         | -     |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB | -     | -       | Result      |
| Lowest CH  | -                   | -       | -     | -       | PASS        |
| Middle CH  | 6.2                 | 6.41    | -     | -       |             |
| Highest CH | -                   | -       | -     | -       |             |



| Mode       | LTE Band 25 / 20MHz |         |       |         |             |
|------------|---------------------|---------|-------|---------|-------------|
| Mod.       | QPSK                |         | 16QAM |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB | 1RB   | Full RB | Result      |
| Lowest CH  | 3.59                | 4.35    | 4.61  | 5.74    | PASS        |
| Middle CH  | 3.62                | 4.52    | 4.64  | 5.86    |             |
| Highest CH | 3.57                | 4.41    | 5.28  | 5.62    |             |
| Mod.       | 64QAM               |         | -     |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB | -     | -       | Result      |
| Lowest CH  | 5.74                | 6.35    | -     | -       | PASS        |
| Middle CH  | 5.74                | 6.38    | -     | -       |             |
| Highest CH | 5.86                | 6.23    | -     | -       |             |

| Mode       | LTE Band 26 / 15MHz |         |             |         |             |
|------------|---------------------|---------|-------------|---------|-------------|
| Mod.       | QPSK                |         | 16QAM       |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB | 1RB         | Full RB | Result      |
| Lowest CH  | 3.59                | 4.67    | 5.13        | 6.03    | PASS        |
| Middle CH  | 3.59                | 4.78    | 5.22        | 6.09    |             |
| Highest CH | 3.57                | 4.75    | 5.25        | 6       |             |
| Mod.       | 64QAM               |         | Limit: 13dB |         |             |
| RB Size    | 1RB                 | Full RB | Result      |         |             |
| Lowest CH  | 6.35                | 6.43    | PASS        |         |             |
| Middle CH  | 6.29                | 6.46    |             |         |             |
| Highest CH | 6.75                | 6.52    |             |         |             |

| Mode       | LTE Band 41 / 20MHz |         |       |         |             |
|------------|---------------------|---------|-------|---------|-------------|
| Mod.       | QPSK                |         | 16QAM |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB | 1RB   | Full RB | Result      |
| Lowest CH  | 5.51                | 6.2     | 5.57  | 6.43    | PASS        |
| Middle CH  | 3.88                | 4.75    | 6.58  | 7.07    |             |
| Highest CH | 4.09                | 5.59    | 5.71  | 6.64    |             |
| Mode       | LTE Band 41 / 20MHz |         |       |         |             |
| Mod.       | 64QAM               |         | -     |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB | -     | -       | Result      |
| Lowest CH  | 6.99                | 6.93    | -     | -       | PASS        |
| Middle CH  | 6.9                 | 6.9     | -     | -       |             |
| Highest CH | 6.72                | 6.9     | -     | -       |             |

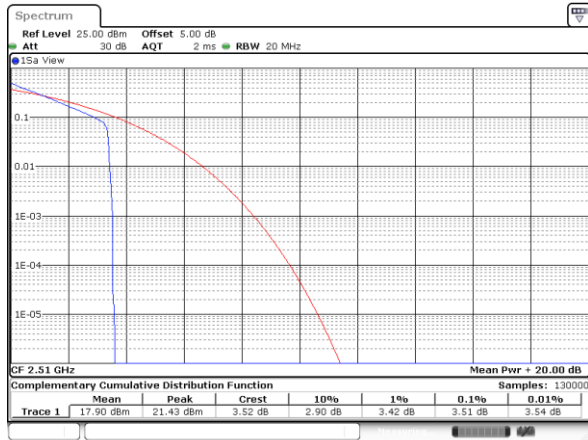


| Mode       | LTE Band 66 / 20MHz |         |       |         |             |
|------------|---------------------|---------|-------|---------|-------------|
| Mod.       | QPSK                |         | 16QAM |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB | 1RB   | Full RB | Result      |
| Lowest CH  | 3.45                | 4.29    | 4.41  | 5.57    | PASS        |
| Middle CH  | 3.59                | 4.23    | 4.58  | 5.51    |             |
| Highest CH | 3.59                | 4.2     | 4.46  | 5.48    |             |
| Mode       | LTE Band 66 / 20MHz |         |       |         |             |
| Mod.       | 64QAM               |         | -     |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB | -     | -       | Result      |
| Lowest CH  | 5.13                | 6.23    | -     | -       | PASS        |
| Middle CH  | 5.28                | 6.14    | -     | -       |             |
| Highest CH | 5.91                | 6.17    | -     | -       |             |

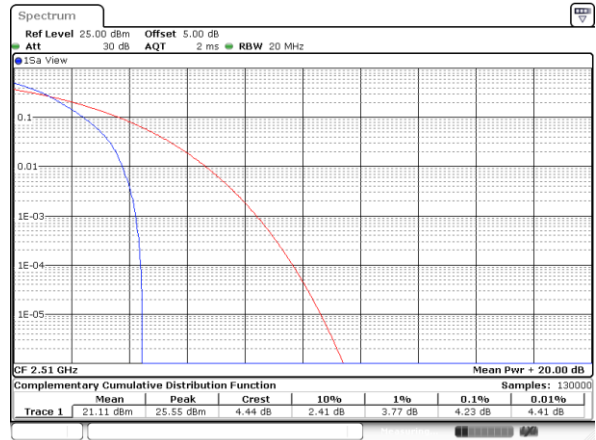


## LTE Band 7 / 20MHz / QPSK

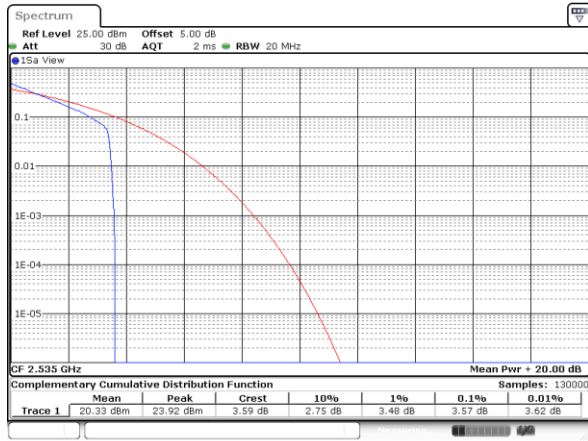
## Lowest Channel / 1RB



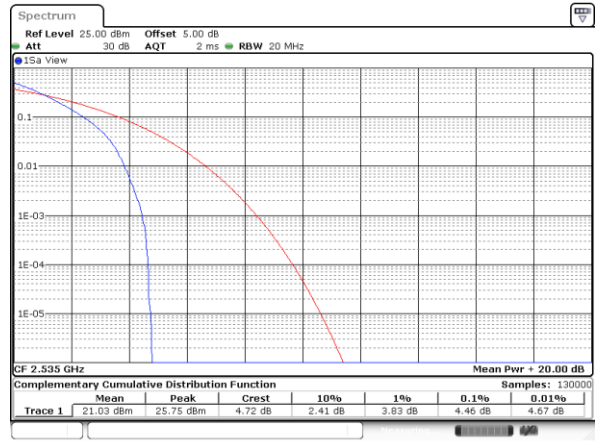
## Lowest Channel / Full RB



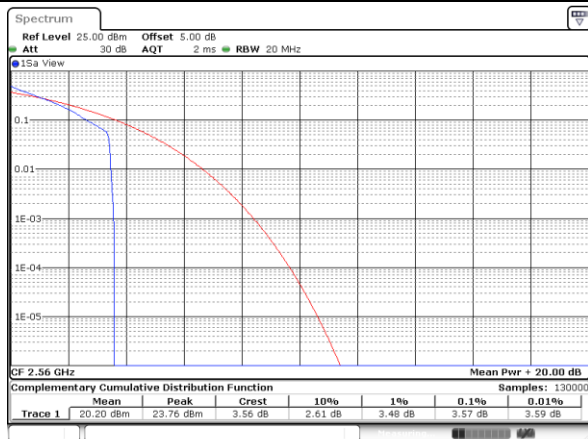
## Middle Channel / 1RB



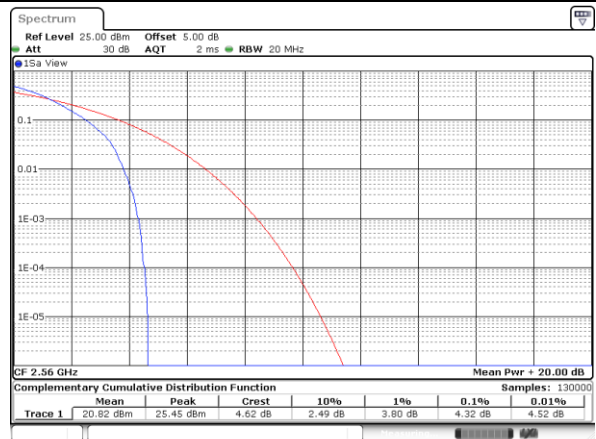
## Middle Channel / Full RB



## Highest Channel / 1RB



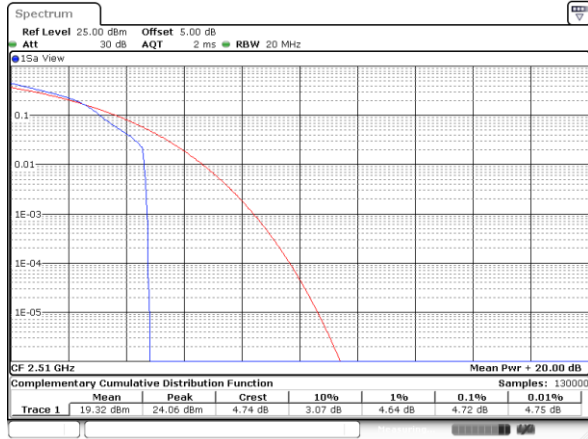
## Highest Channel / Full RB



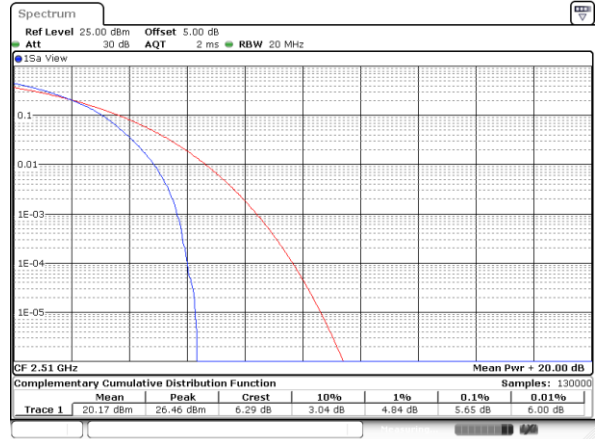


## LTE Band 7 / 20MHz / 16QAM

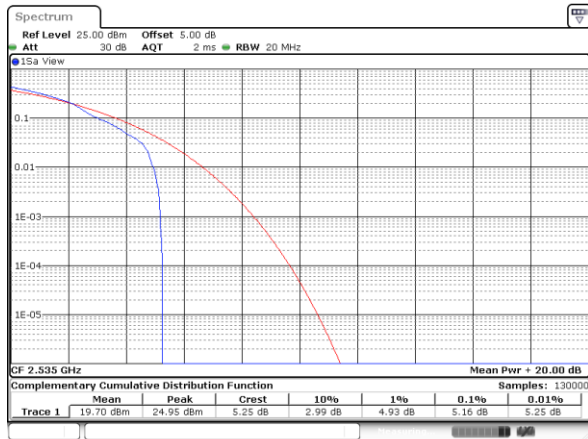
## Lowest Channel / 1RB



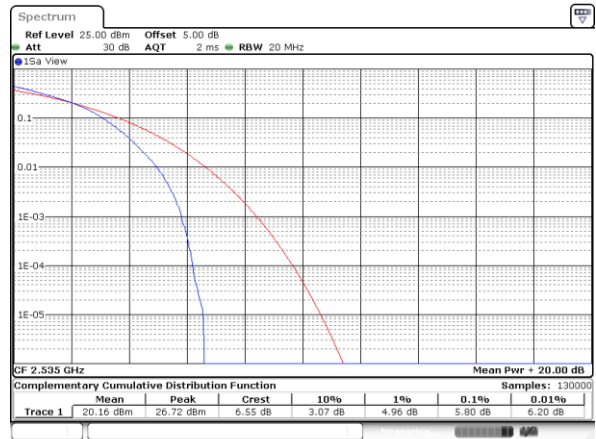
## Lowest Channel / Full RB



## Middle Channel / 1RB



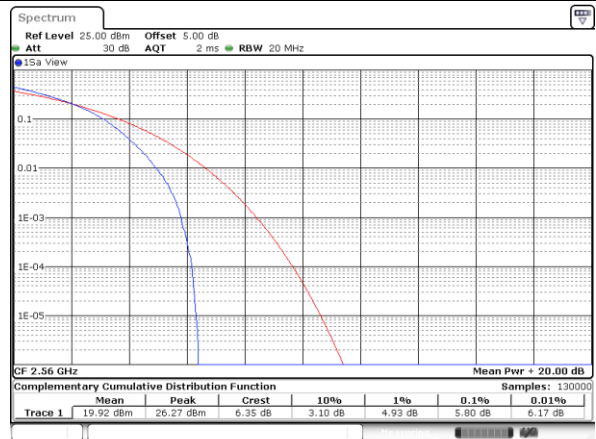
## Middle Channel / Full RB



## Highest Channel / 1RB



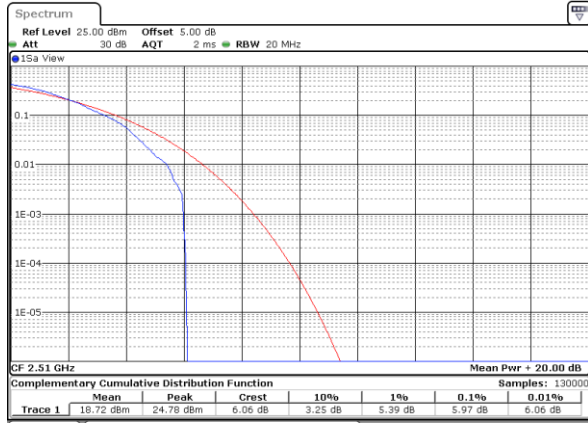
## Highest Channel / Full RB





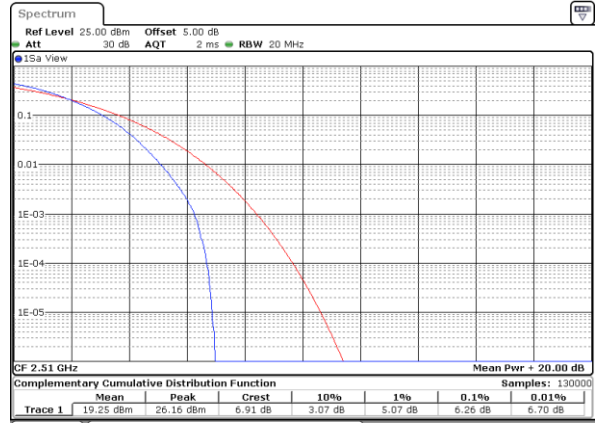
## LTE Band 7 / 20MHz / 64QAM

## Lowest Channel / 1RB



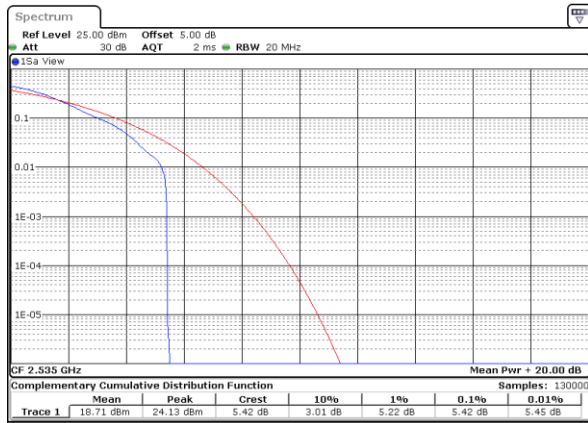
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## Lowest Channel / Full RB



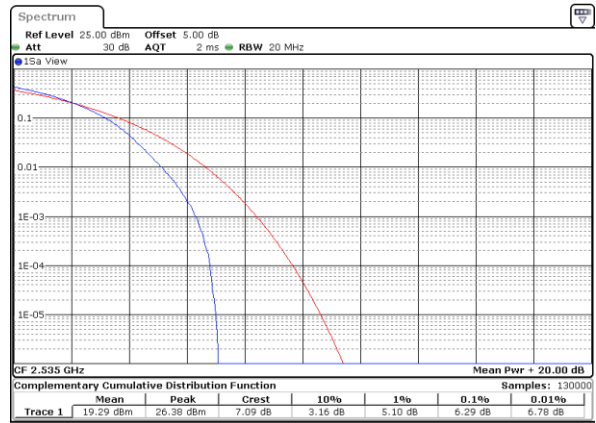
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## Middle Channel / 1RB



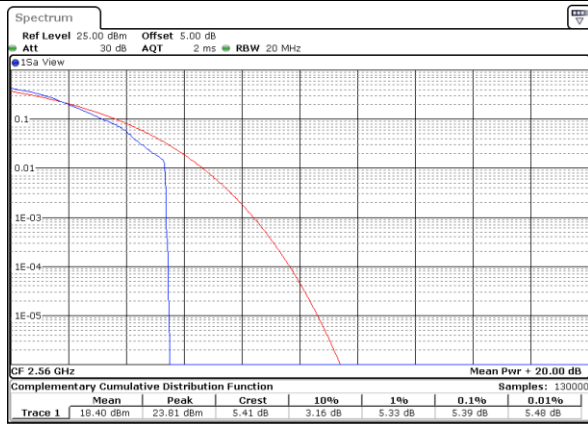
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## Middle Channel / Full RB



Date: 21 DEC 2018 13:59:29

## Highest Channel / 1RB



Date: 21 DEC 2018 13:59:49

## Highest Channel / Full RB

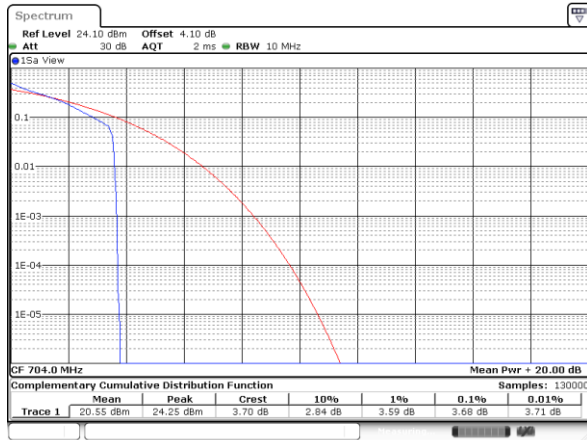


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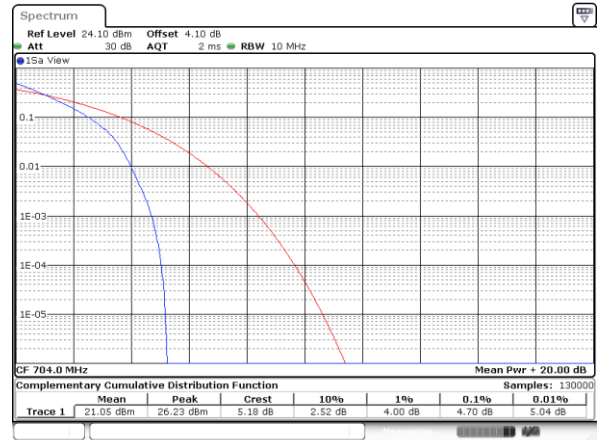


## LTE Band 12 / 10MHz / QPSK

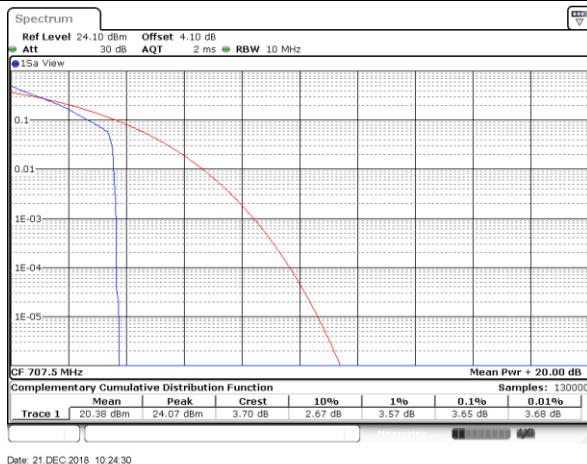
## Lowest Channel / 1RB



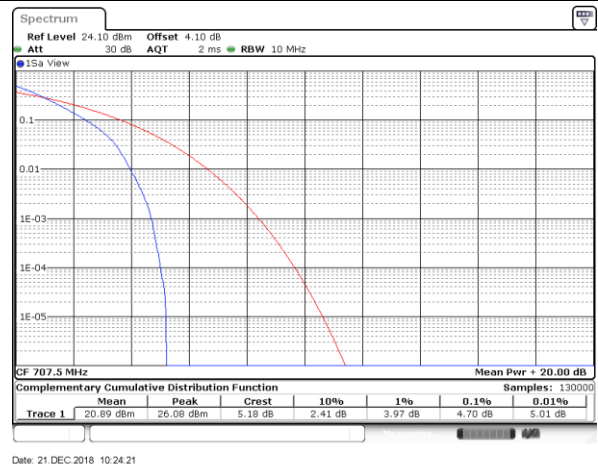
## Lowest Channel / Full RB



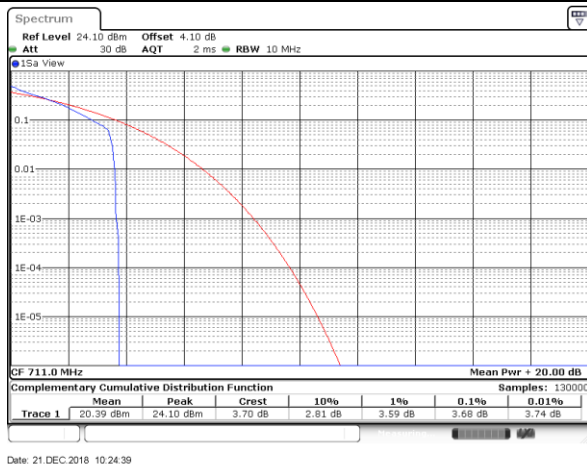
## Middle Channel / 1RB



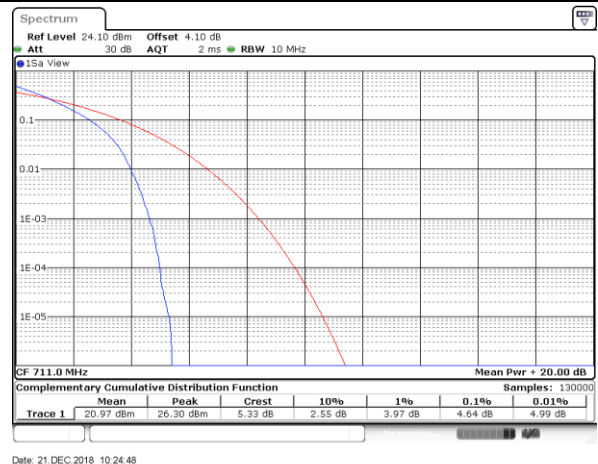
## Middle Channel / Full RB



## Highest Channel / 1RB



## Highest Channel / Full RB





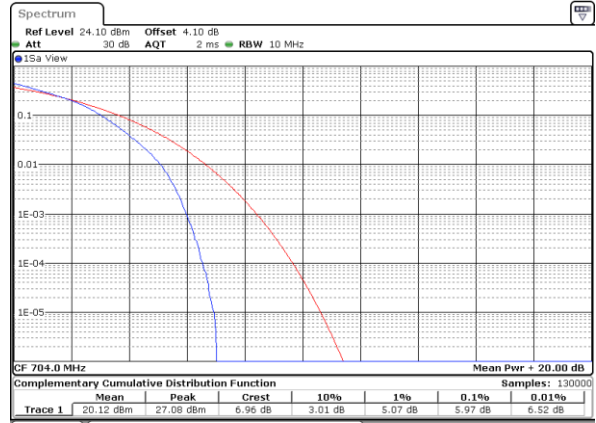
## LTE Band 12 / 10MHz / 16QAM

## Lowest Channel / 1RB



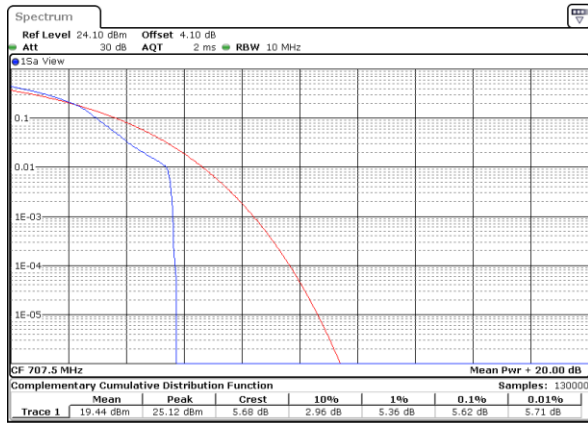
Date: 21 DEC 2018 10:23:12

## Lowest Channel / Full RB



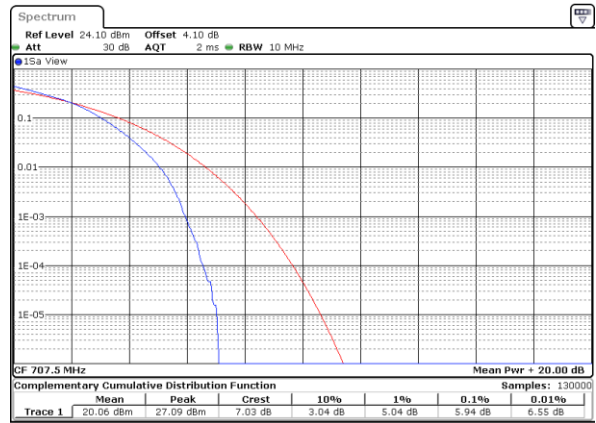
Date: 21 DEC 2018 10:23:03

## Middle Channel / 1RB



Date: 21 DEC 2018 10:23:22

## Middle Channel / Full RB



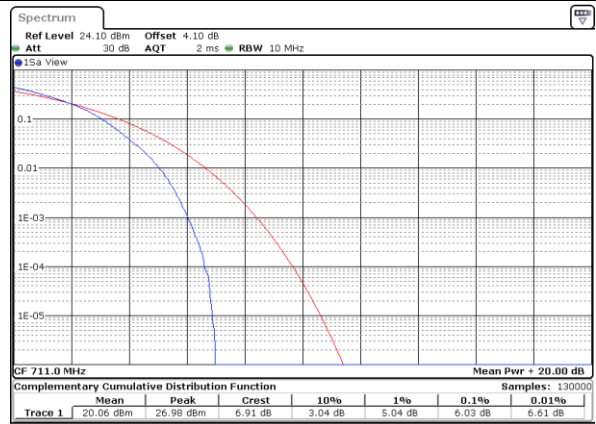
Date: 21 DEC 2018 10:23:35

## Highest Channel / 1RB



Date: 21 DEC 2018 10:23:54

## Highest Channel / Full RB

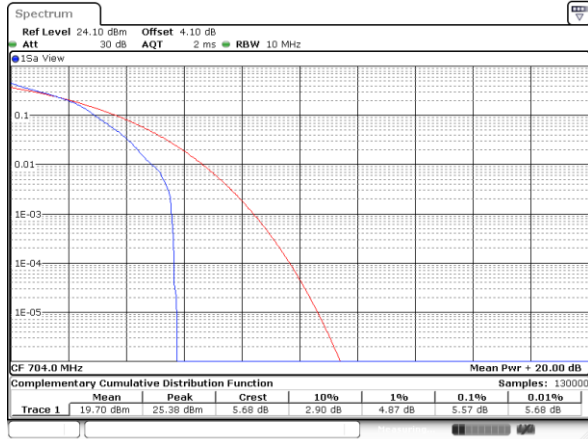


Date: 21 DEC 2018 10:23:45

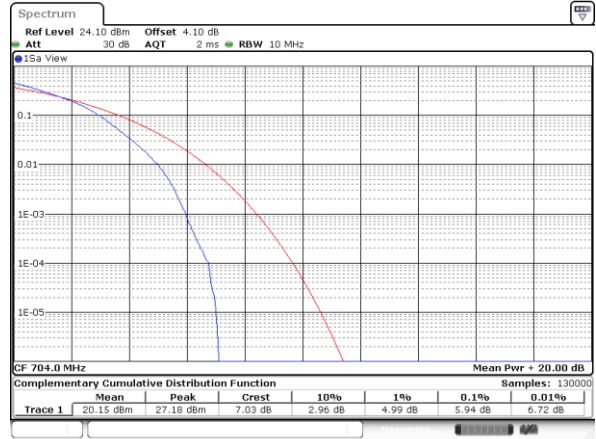


## LTE Band 12 / 10MHz / 64QAM

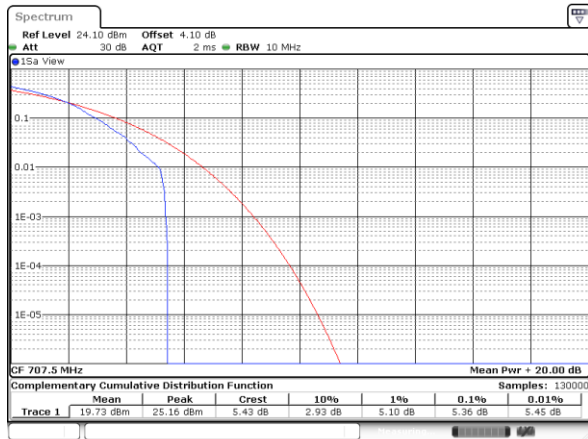
## Lowest Channel / 1RB



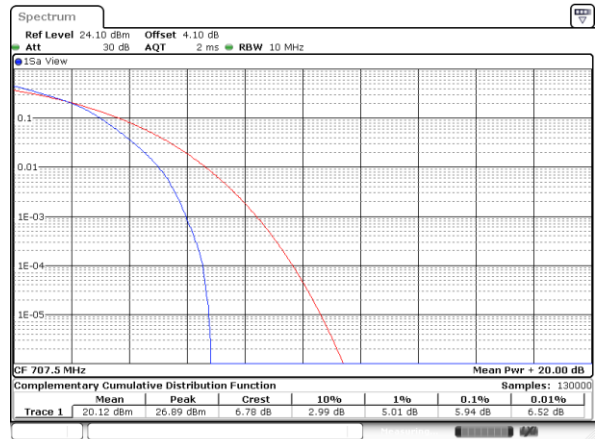
## Lowest Channel / Full RB



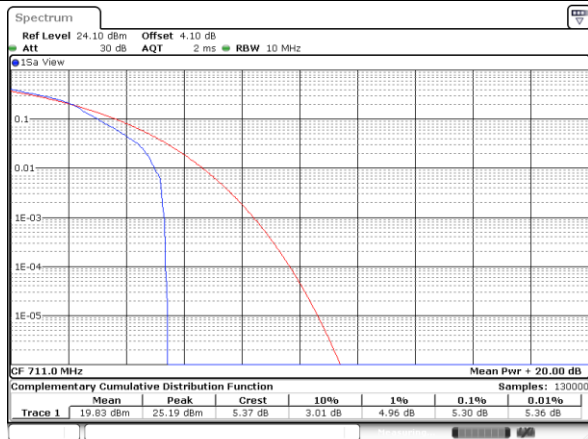
## Middle Channel / 1RB



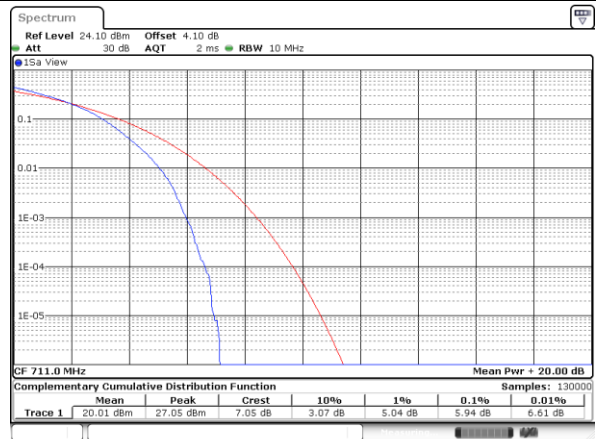
## Middle Channel / Full RB



## Highest Channel / 1RB



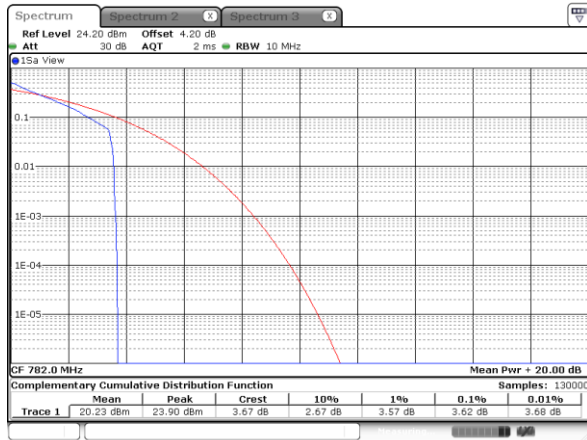
## Highest Channel / Full RB





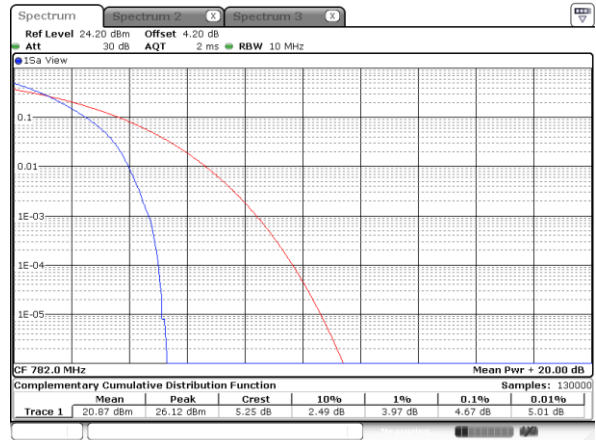
## LTE Band 13 / 10MHz / QPSK

## Middle Channel / 1RB



Date: 8 JAN 2019 17:38:58

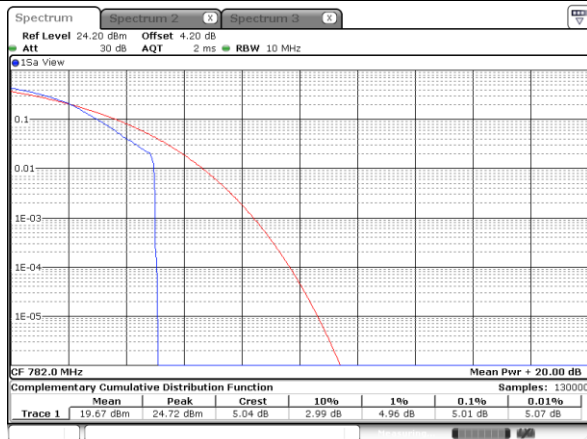
## Middle Channel / Full RB



Date: 8 JAN 2019 17:39:24

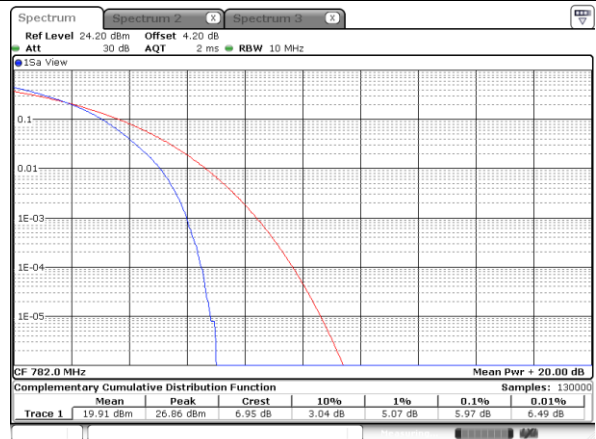
## LTE Band 13 / 10MHz / 16QAM

## Middle Channel / 1RB



Date: 8 JAN 2019 17:39:06

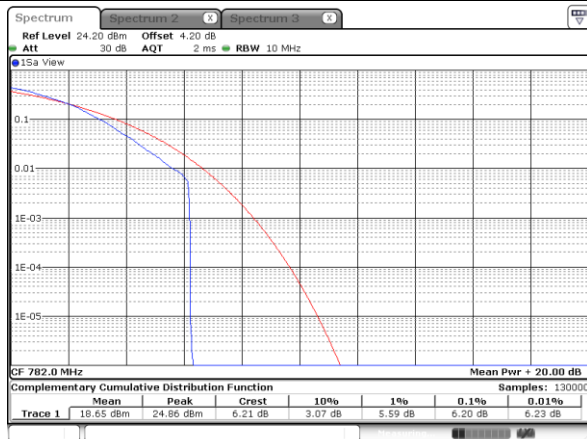
## Middle Channel / Full RB



Date: 8 JAN 2019 17:39:15

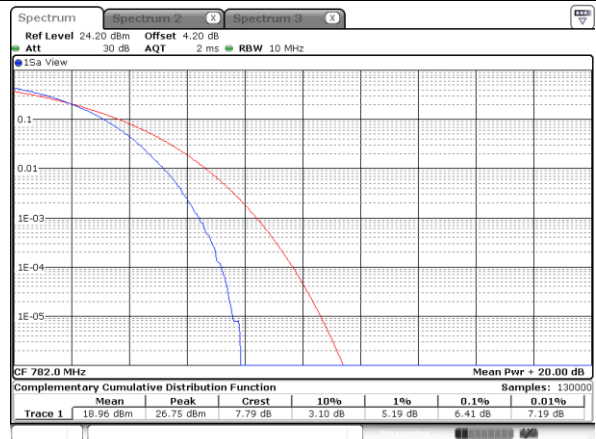
## LTE Band 13 / 10MHz / 64QAM

## Middle Channel / 1RB



Date: 8 JAN 2019 18:01:27

## Middle Channel / Full RB

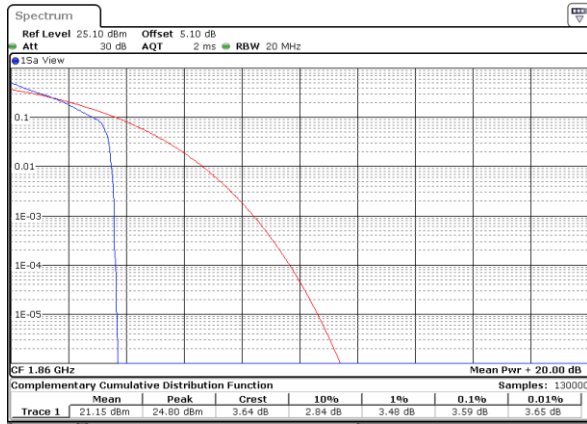


Date: 8 JAN 2019 18:01:38

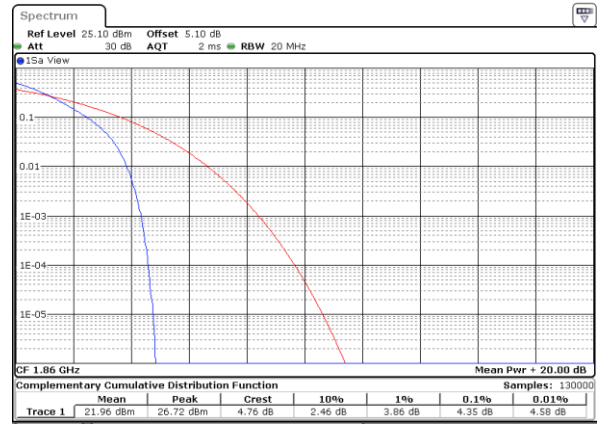


## LTE Band 25 / 20MHz / QPSK

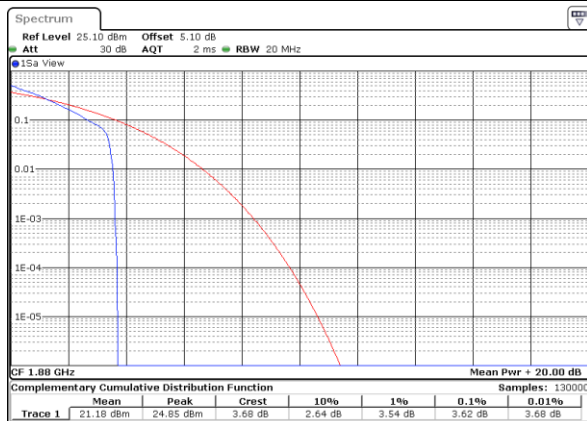
## Lowest Channel / 1RB



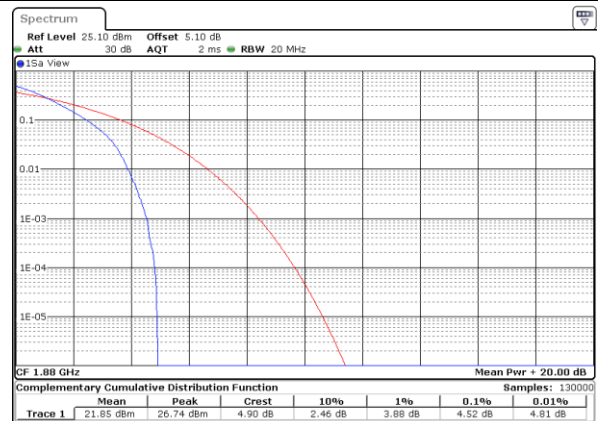
## Lowest Channel / Full RB



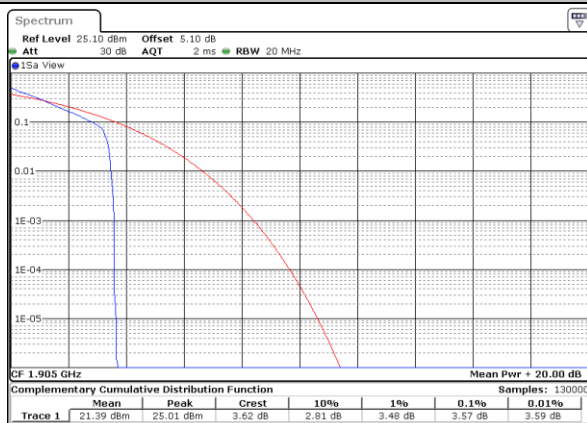
## Middle Channel / 1RB



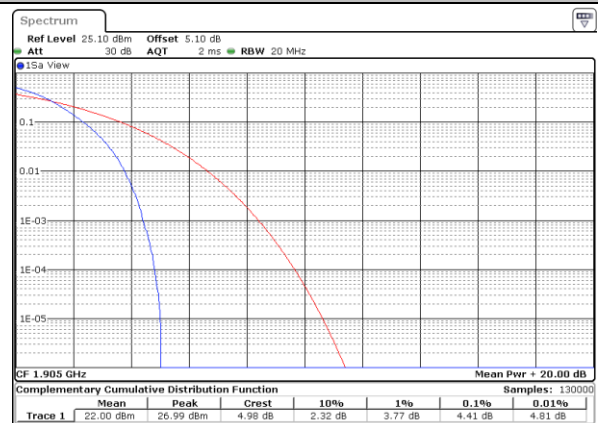
## Middle Channel / Full RB



## Highest Channel / 1RB



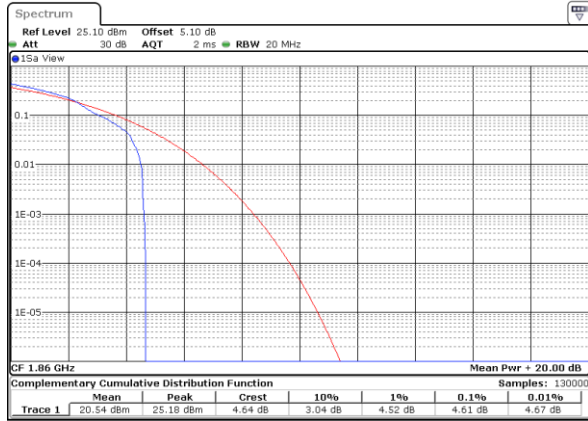
## Highest Channel / Full RB



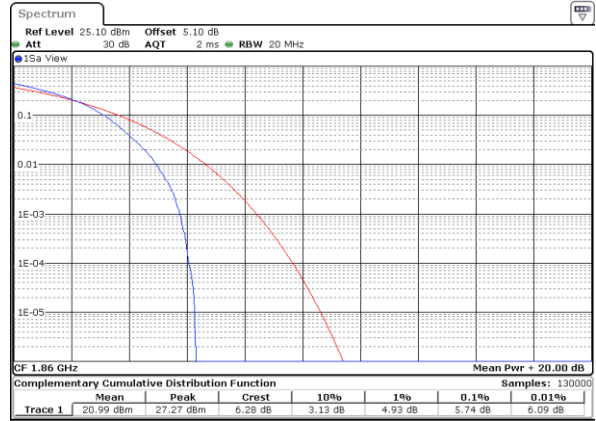


## LTE Band 25 / 20MHz / 16QAM

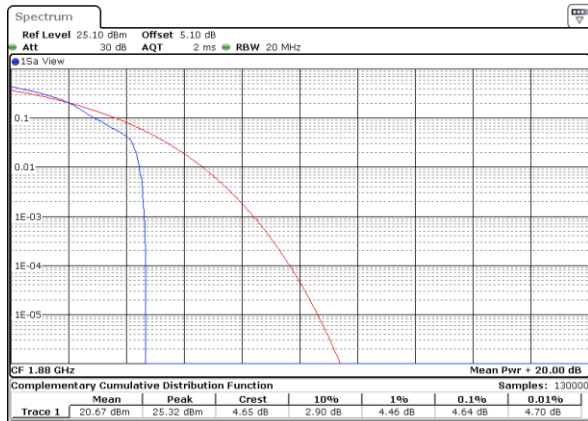
## Lowest Channel / 1RB



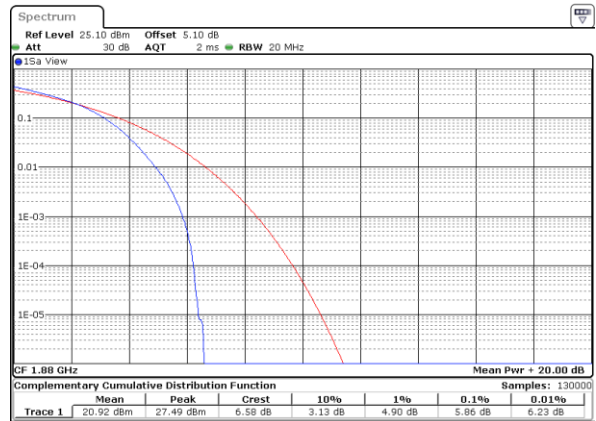
## Lowest Channel / Full RB



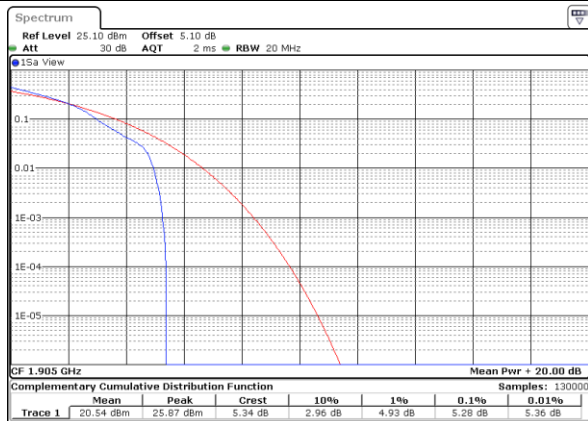
## Middle Channel / 1RB



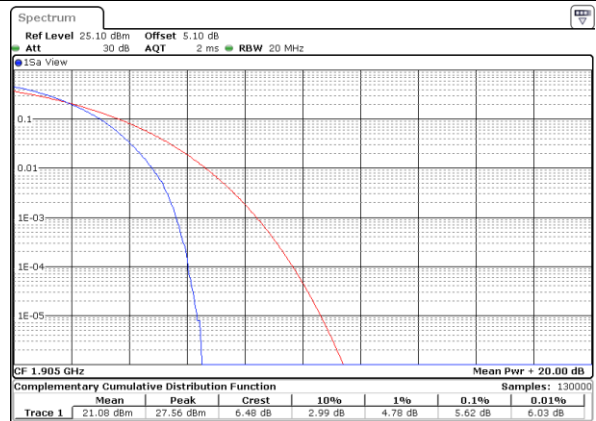
## Middle Channel / Full RB



## Highest Channel / 1RB



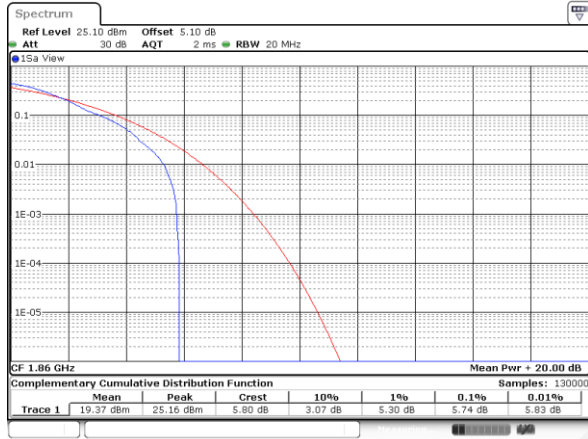
## Highest Channel / Full RB



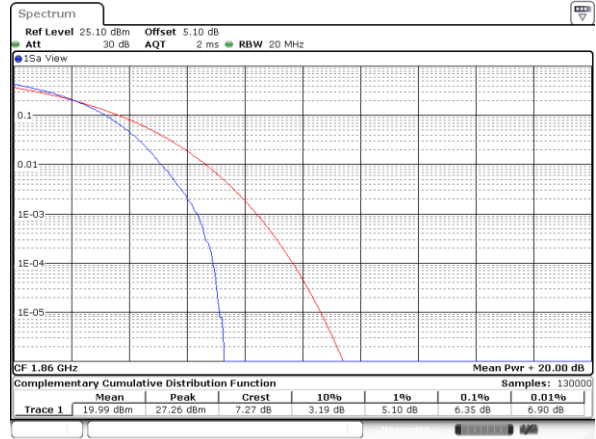


## LTE Band 25 / 20MHz / 64QAM

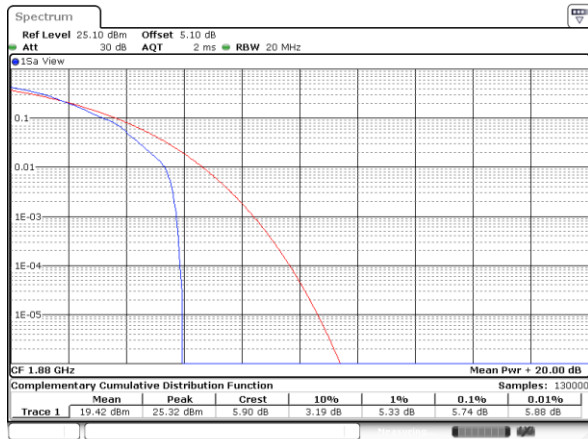
## Lowest Channel / 1RB



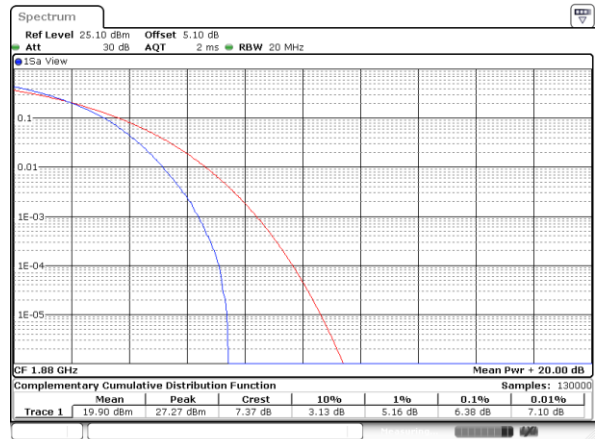
## Lowest Channel / Full RB



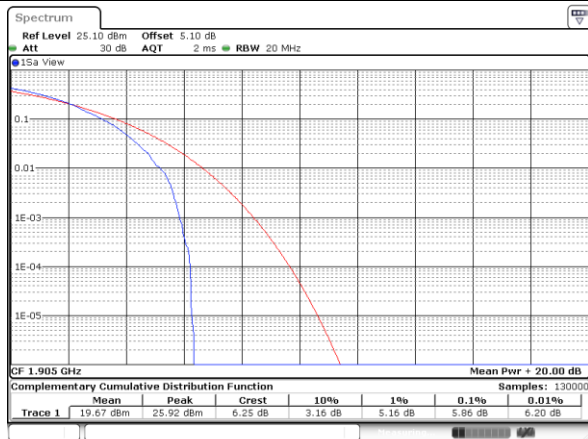
## Middle Channel / 1RB



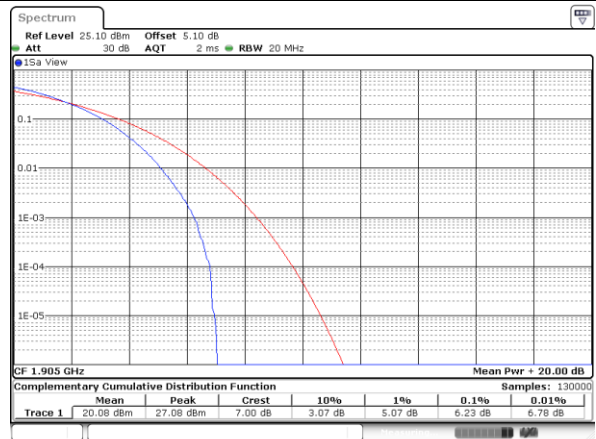
## Middle Channel / Full RB



## Highest Channel / 1RB



## Highest Channel / Full RB



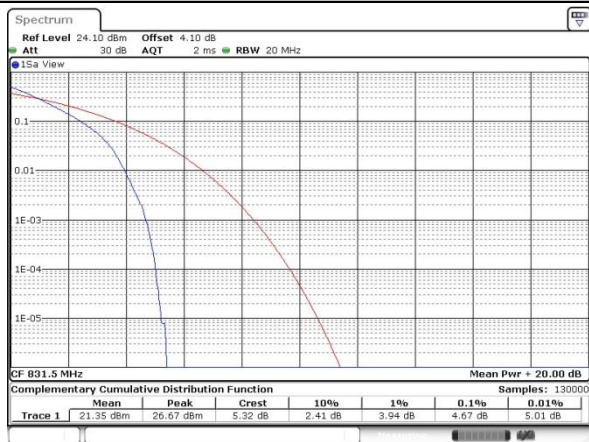


## LTE Band 26 / 15MHz / QPSK

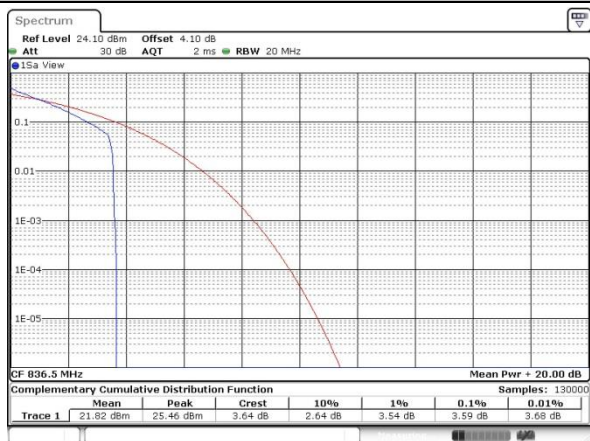
## Lowest Channel / 1RB



## Lowest Channel / Full RB



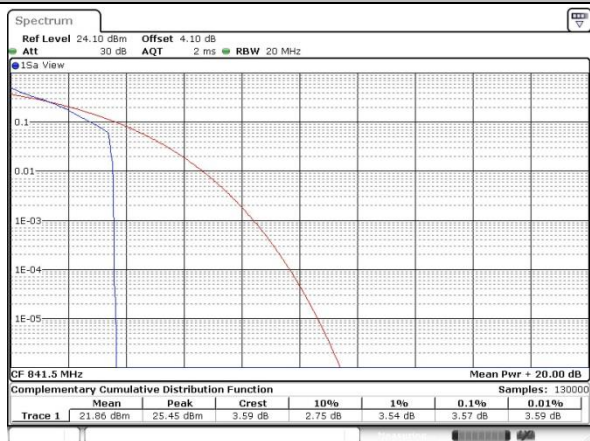
## Middle Channel / 1RB



## Middle Channel / Full RB



## Highest Channel / 1RB



## Highest Channel / Full RB

