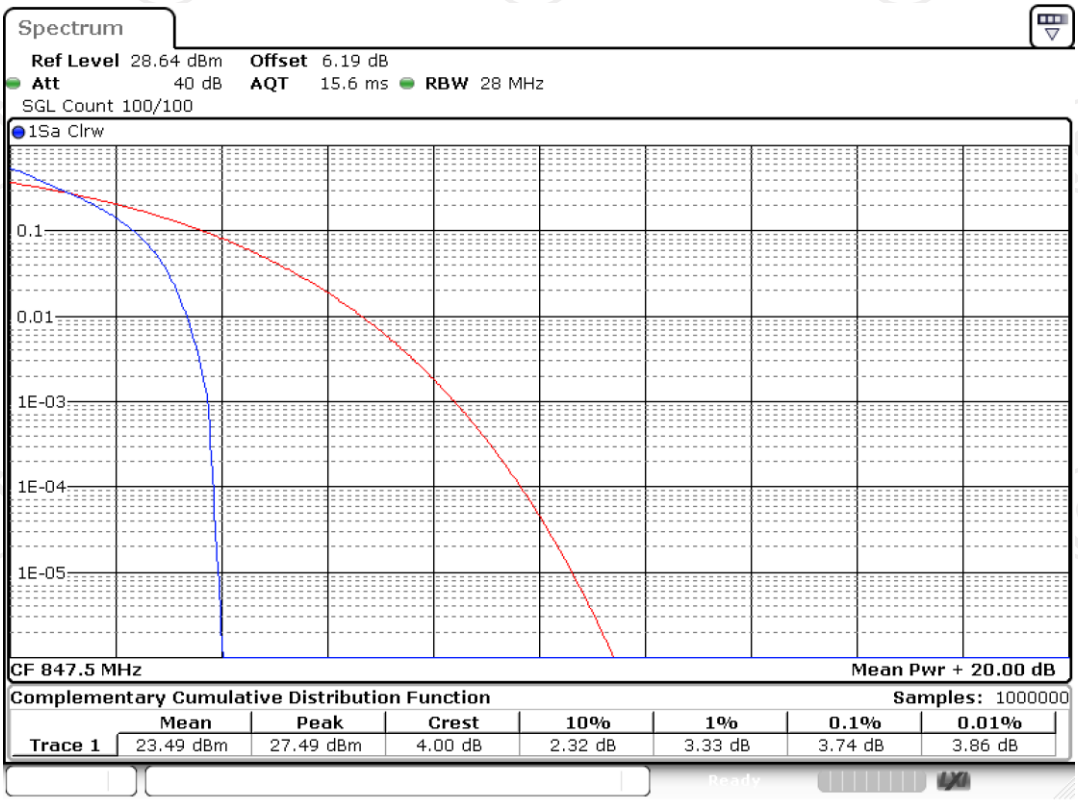
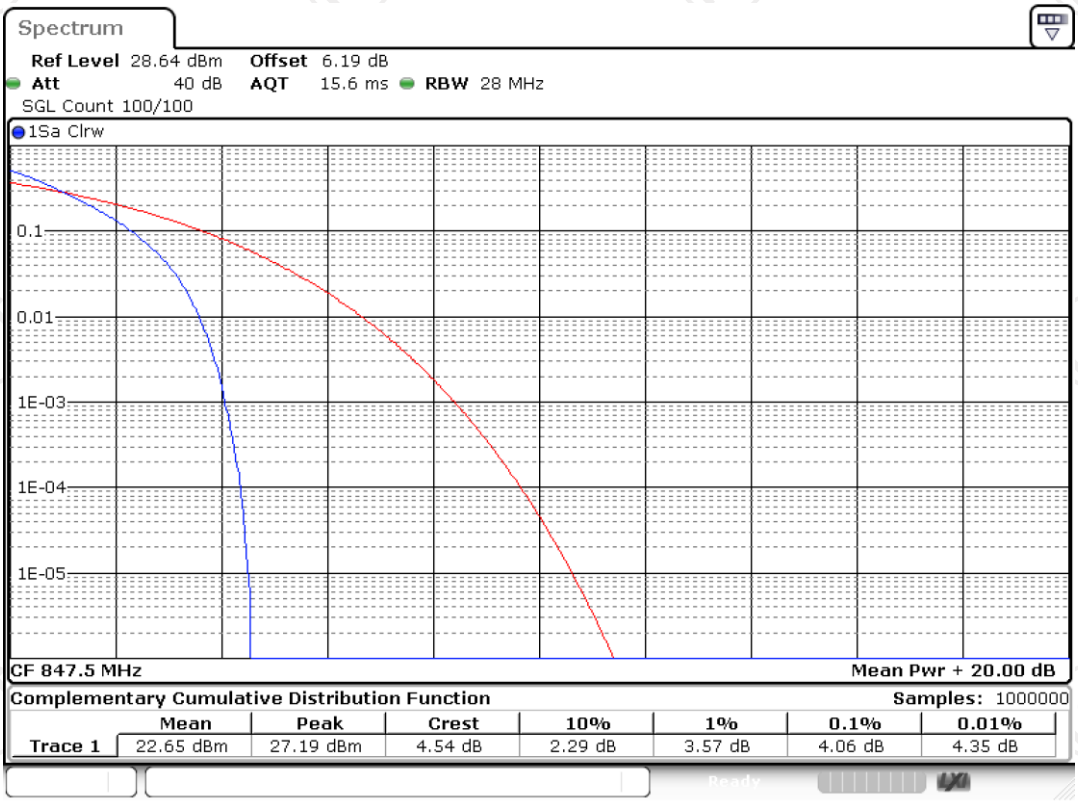
Band5 QPSK BW=3MHz Channel=20635 RB Size=1 Position=#0



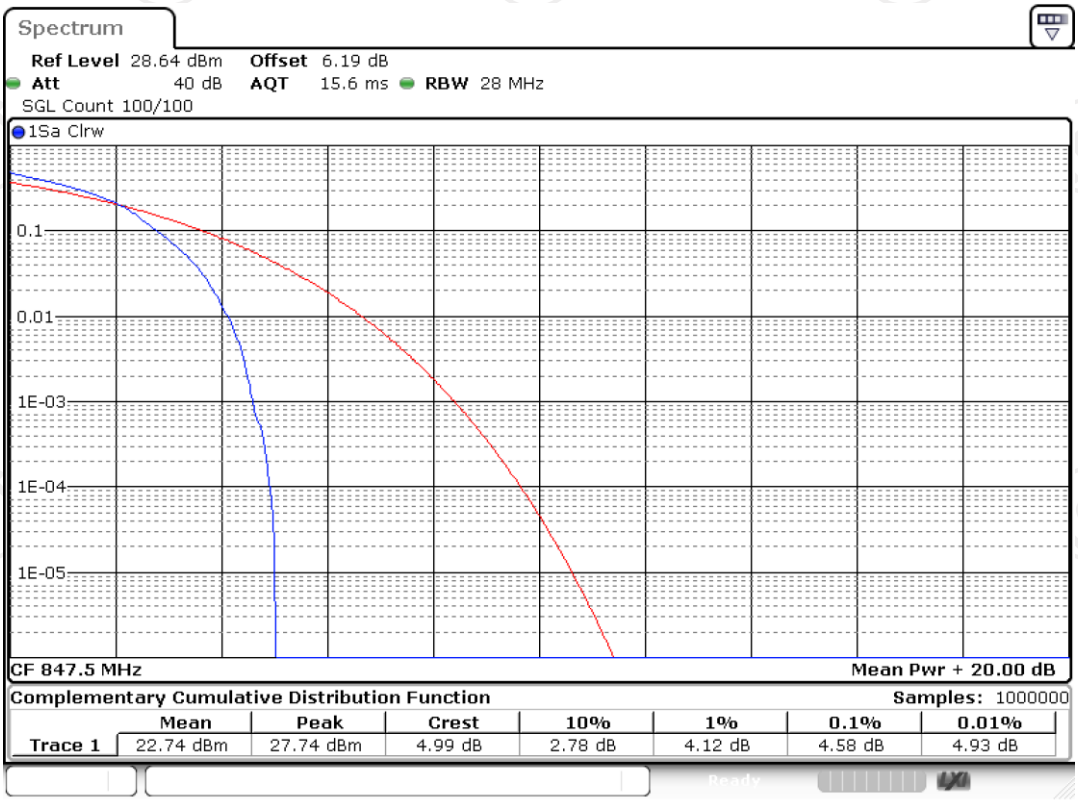

Date: 25.MAY.2023 18:50:00

Band5 QPSK BW=3MHz Channel=20635 RB Size=15 Position=#0



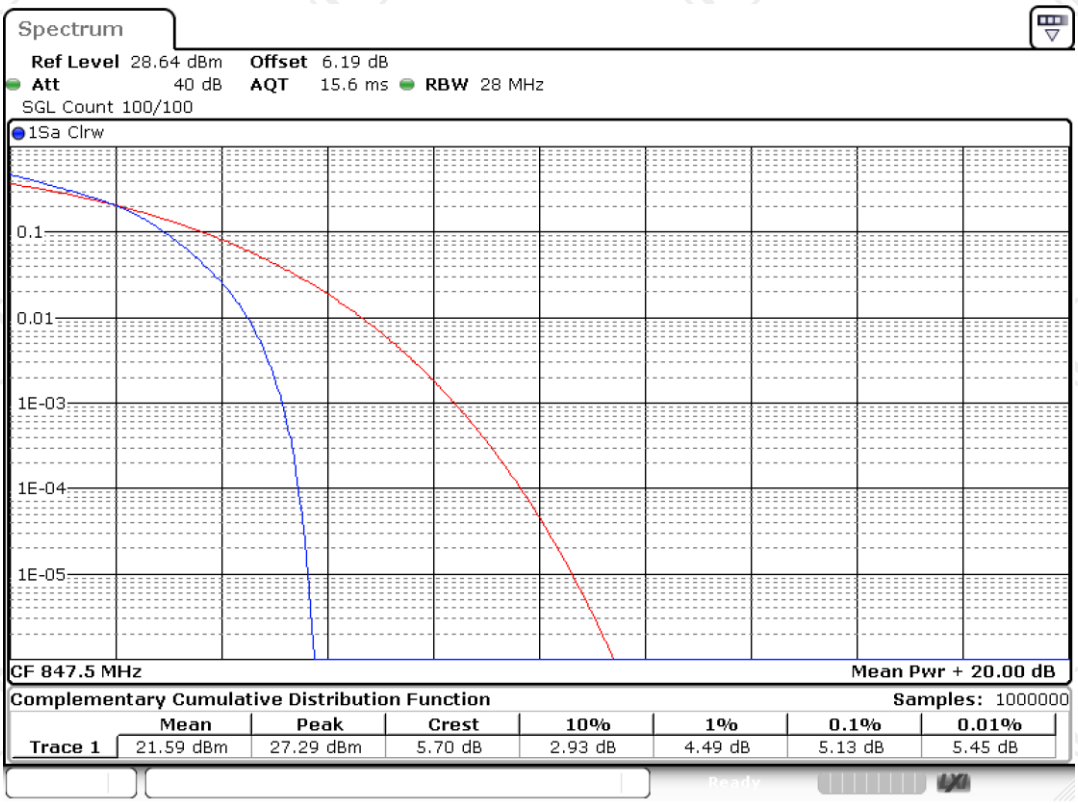

Date: 25.MAY.2023 18:50:07

Band5 16QAM BW=3MHz Channel=20635 RB Size=1 Position=#0



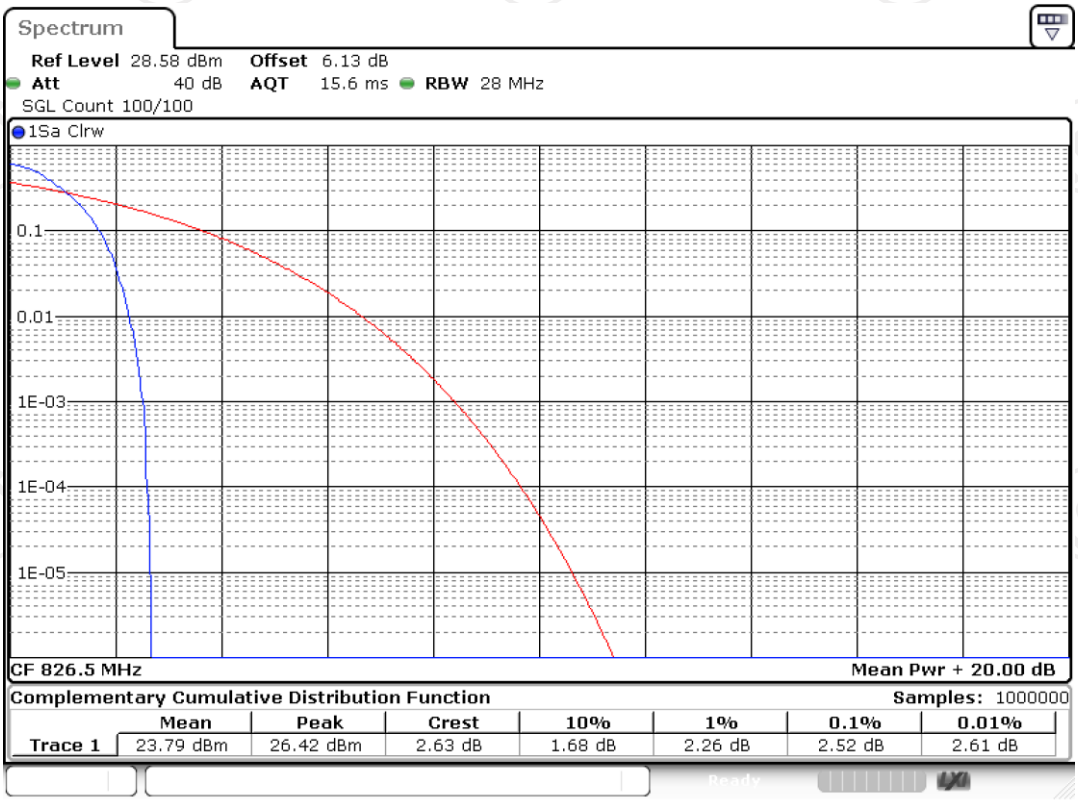

Date: 25.MAY.2023 18:50:13

Band5 16QAM BW=3MHz Channel=20635 RB Size=15 Position=#0



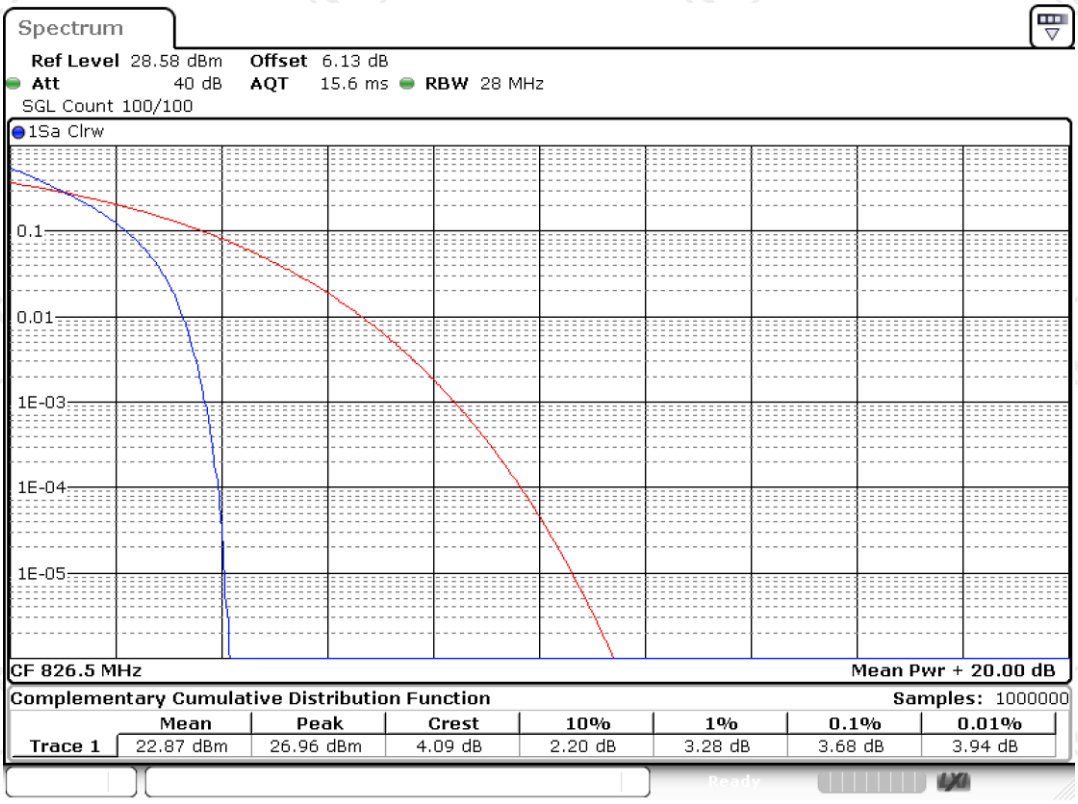

Date: 25.MAY.2023 18:50:20

Band5 QPSK BW=5MHz Channel=20425 RB Size=1 Position=#0



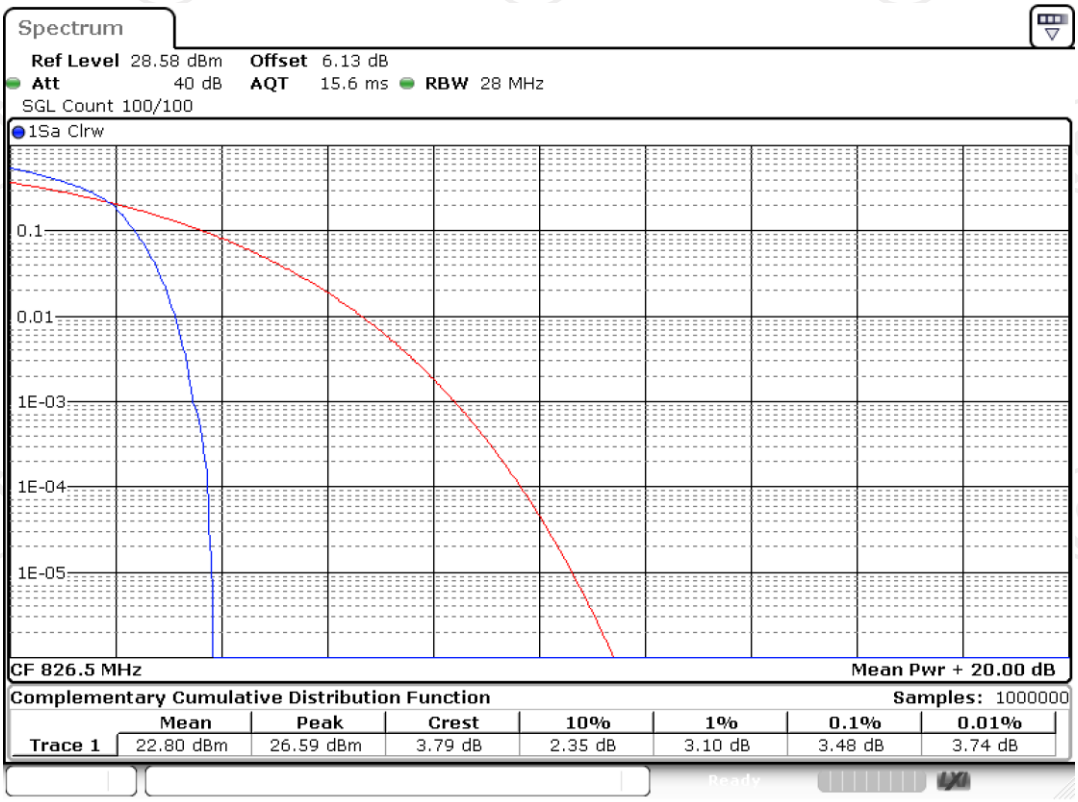

Date: 25.MAY.2023 18:50:28

Band5 QPSK BW=5MHz Channel=20425 RB Size=25 Position=#0



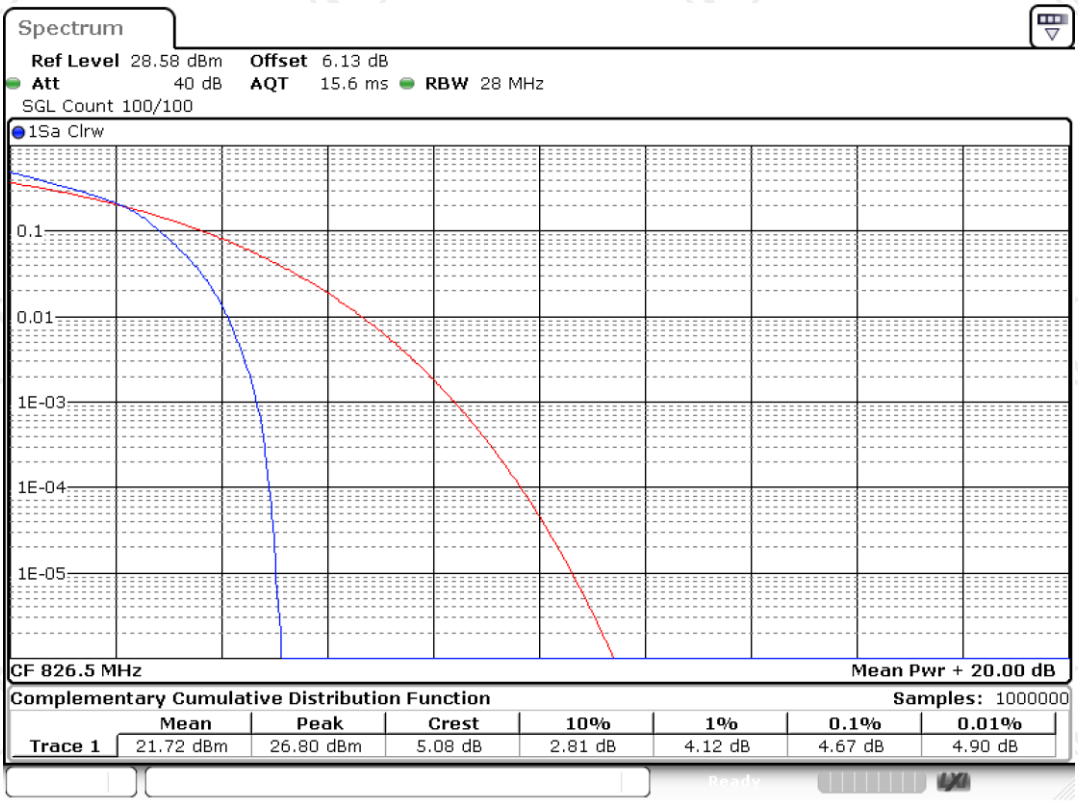

Date: 25.MAY.2023 18:50:35

Band5 16QAM BW=5MHz Channel=20425 RB Size=1 Position=#0



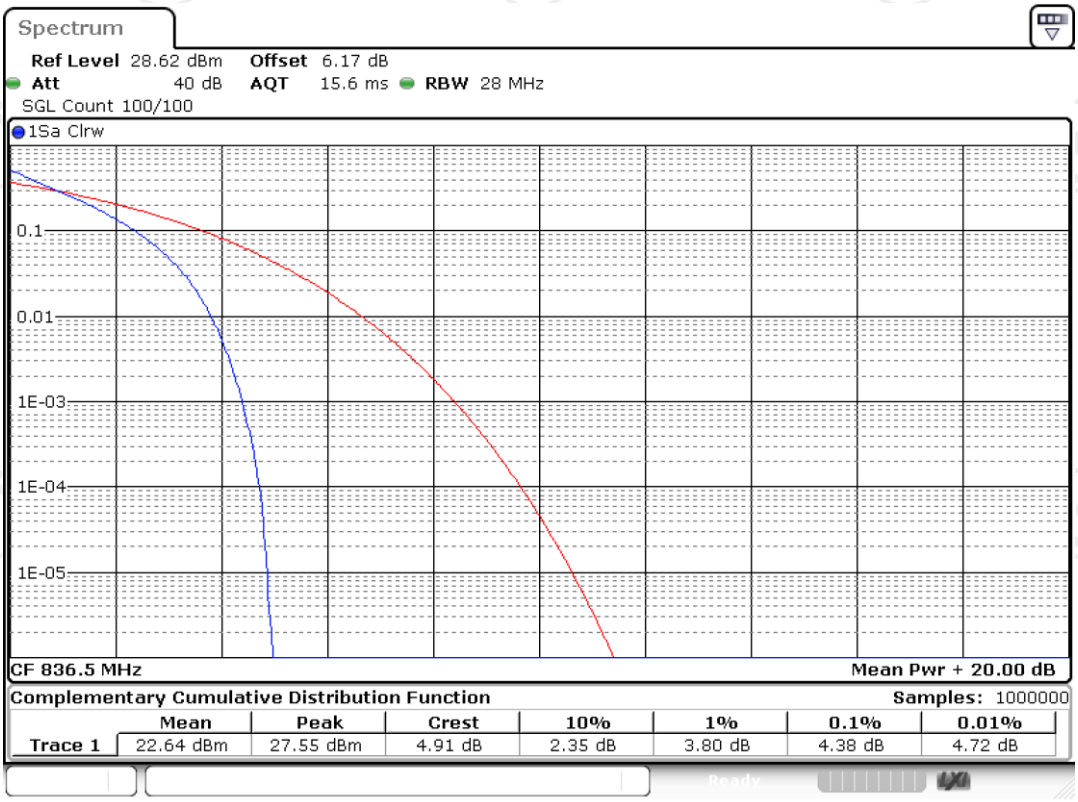

Date: 25.MAY.2023 18:50:42

Band5 16QAM BW=5MHz Channel=20425 RB Size=25 Position=#0



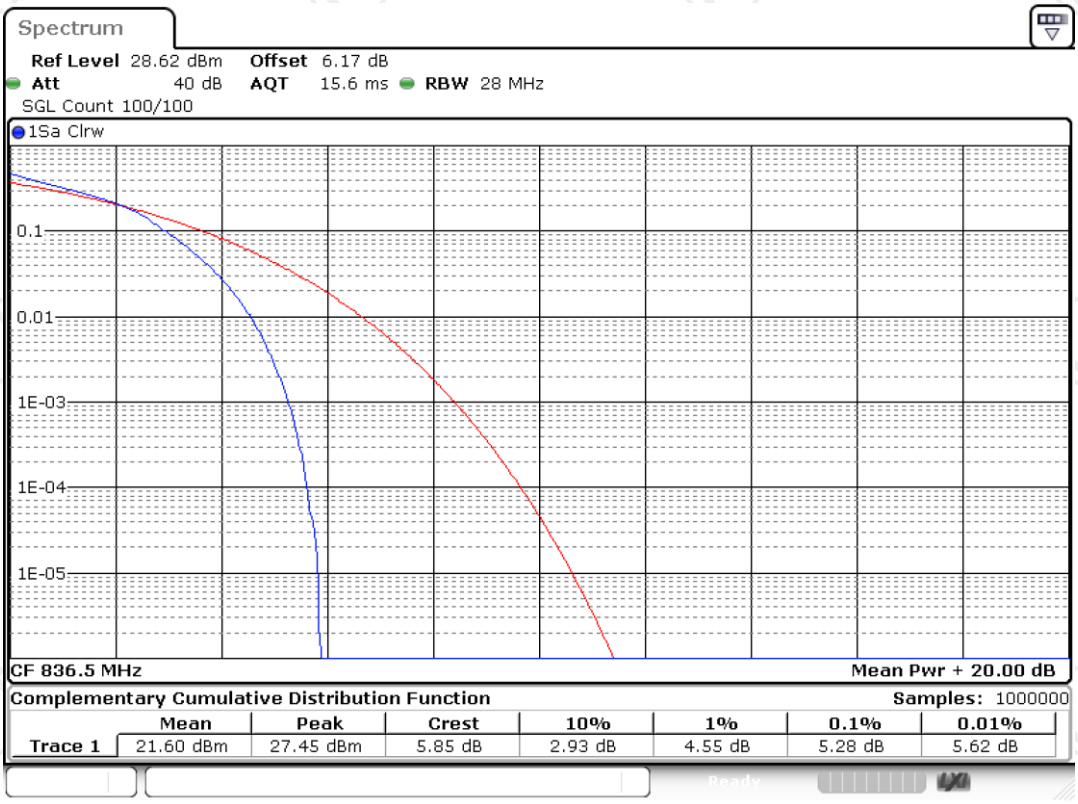

Date: 25.MAY.2023 18:50:48

Band5 QPSK BW=5MHz Channel=20525 RB Size=25 Position=#0



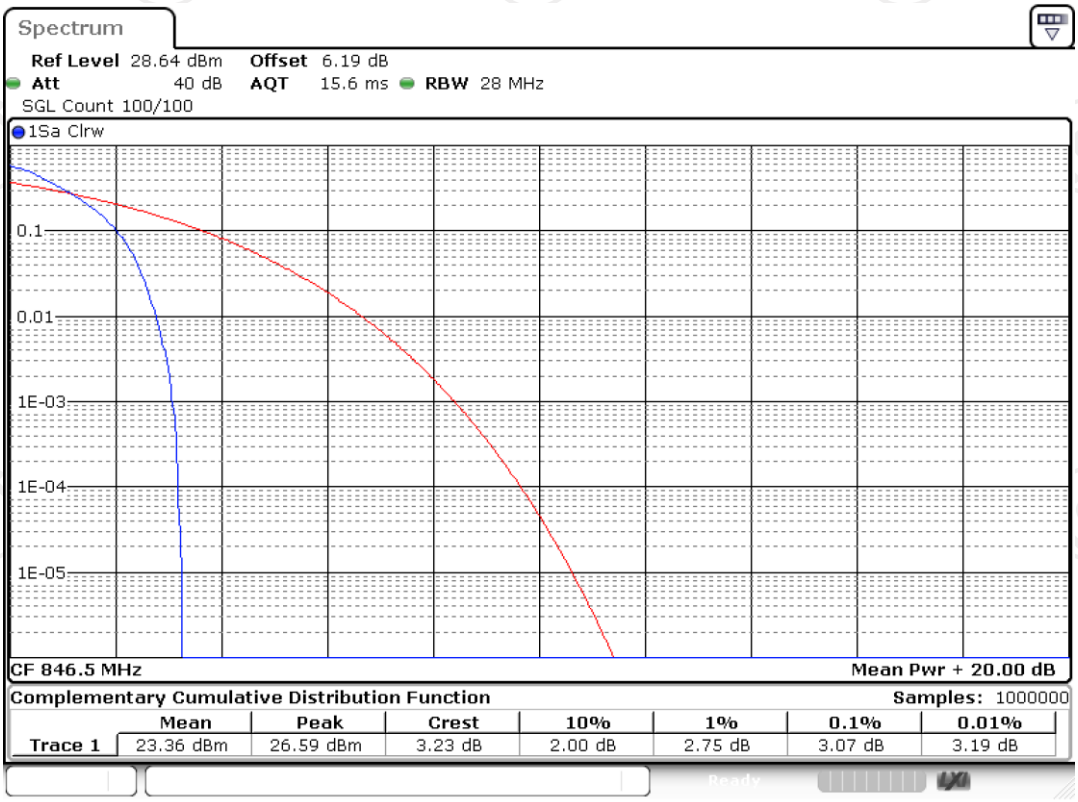

Date: 25.MAY.2023 18:51:02

Band5 16QAM BW=5MHz Channel=20525 RB Size=25 Position=#0



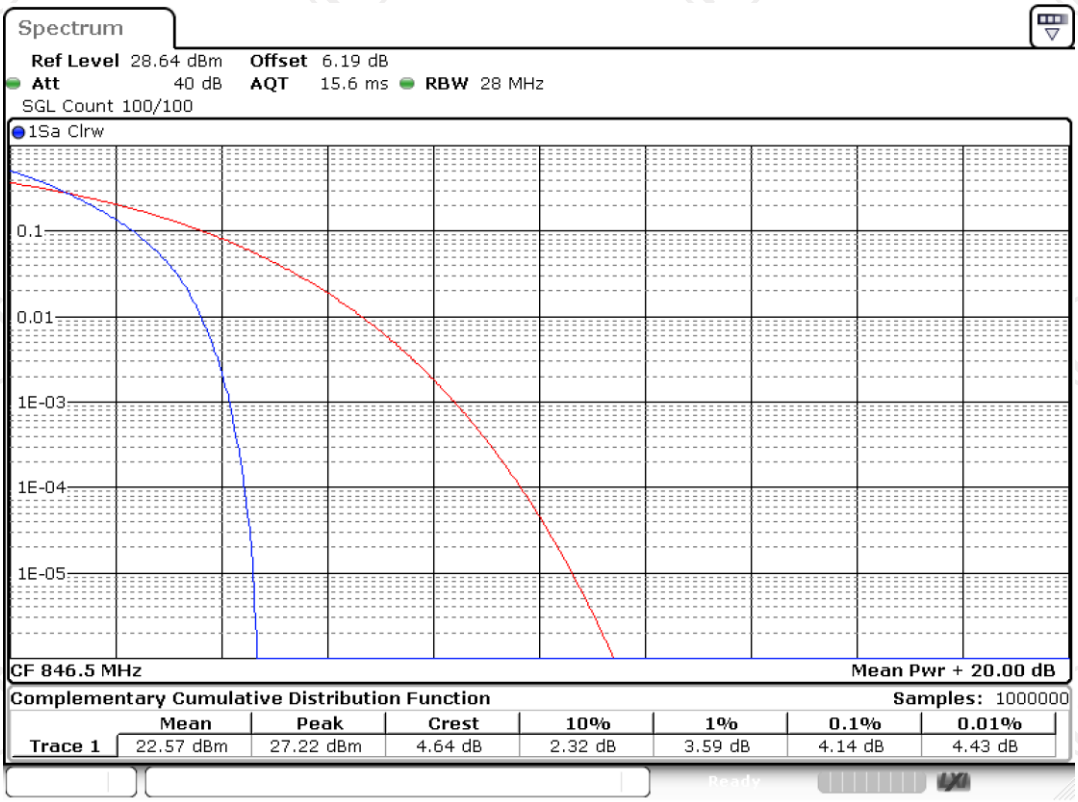

Date: 25.MAY.2023 18:51:16

Band5 QPSK BW=5MHz Channel=20625 RB Size=1 Position=#0



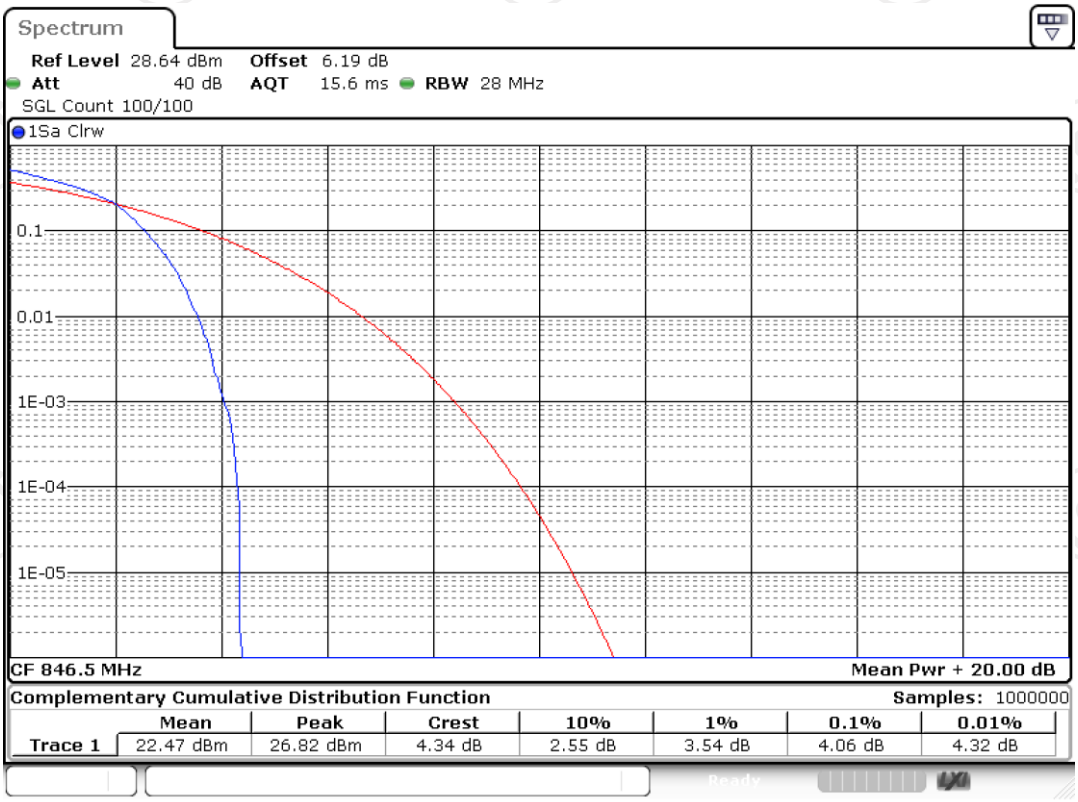

Date: 25.MAY.2023 18:51:23

Band5 QPSK BW=5MHz Channel=20625 RB Size=25 Position=#0



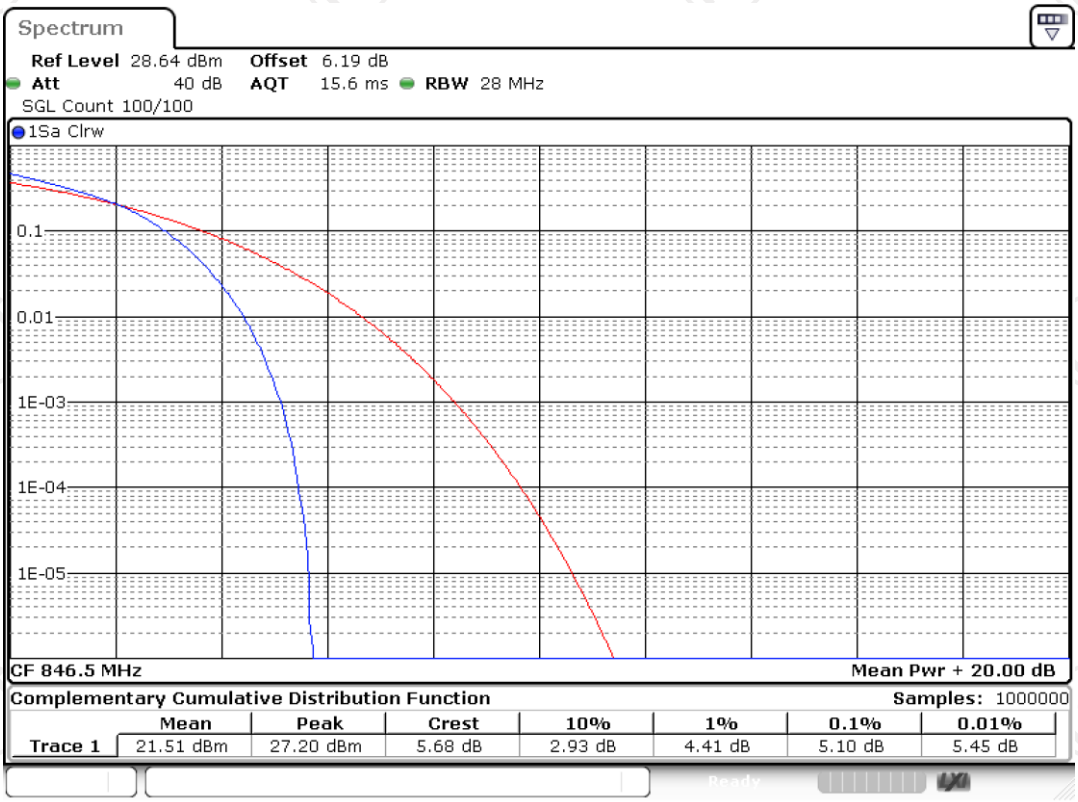

Date: 25.MAY.2023 18:51:30

Band5 16QAM BW=5MHz Channel=20625 RB Size=1 Position=#0



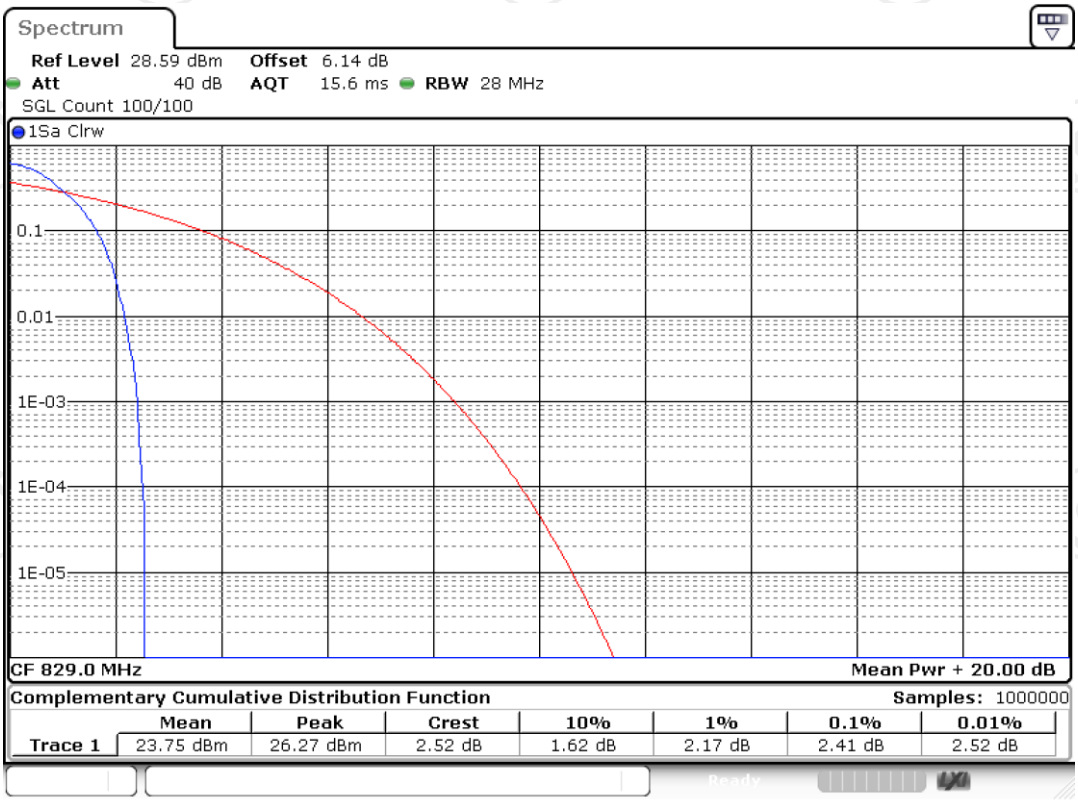

Date: 25.MAY.2023 18:51:37

Band5 16QAM BW=5MHz Channel=20625 RB Size=25 Position=#0



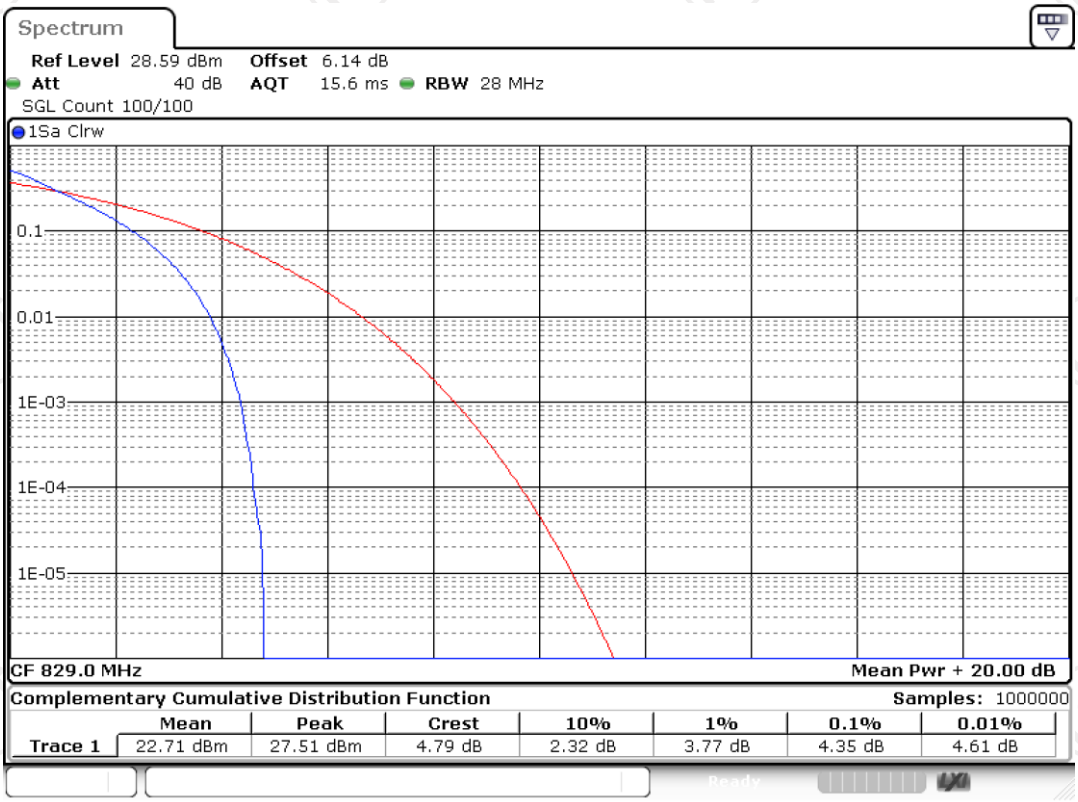

Date: 25.MAY.2023 18:51:43

Band5 QPSK BW=10MHz Channel=20450 RB Size=1 Position=#0



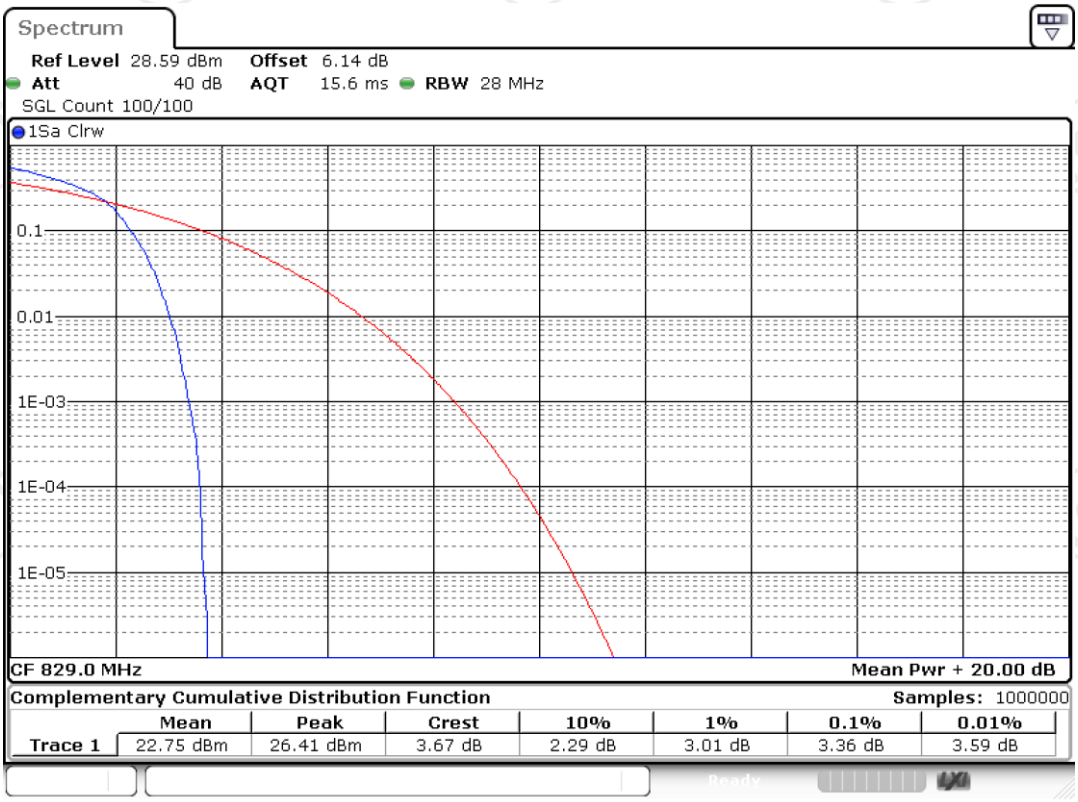

Date: 25.MAY.2023 18:51:51

Band5 QPSK BW=10MHz Channel=20450 RB Size=50 Position=#0



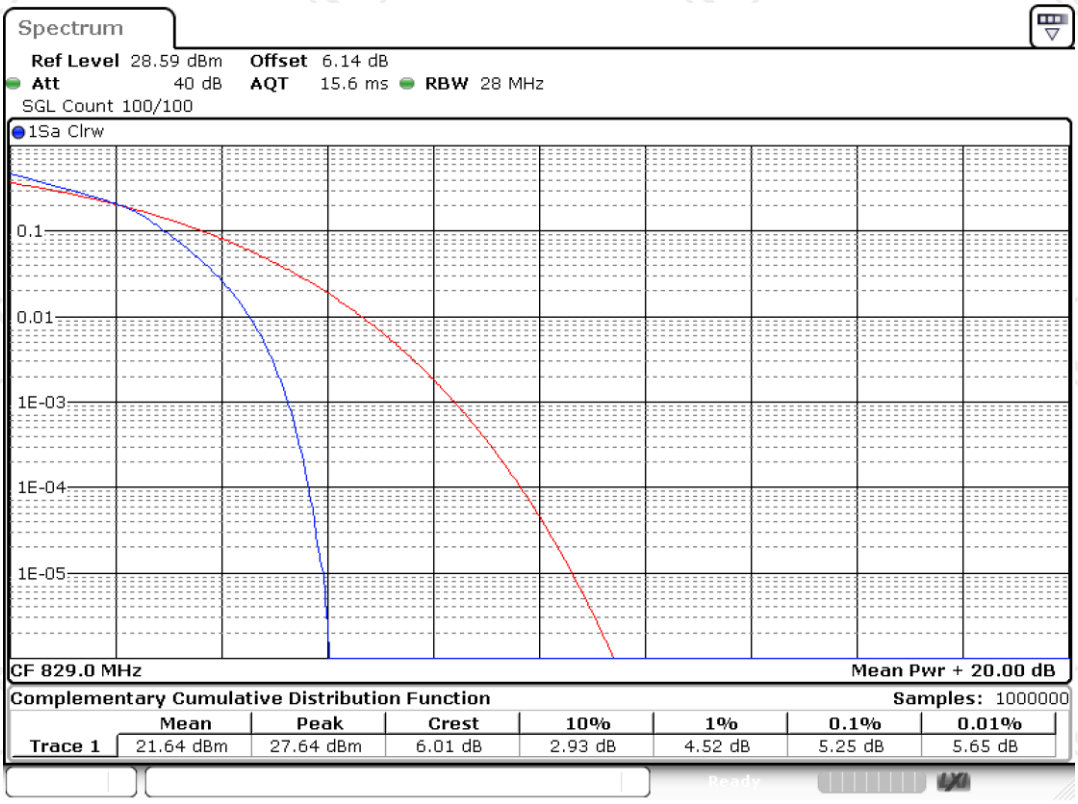

Date: 25.MAY.2023 18:51:58

Band5 16QAM BW=10MHz Channel=20450 RB Size=1 Position=#0



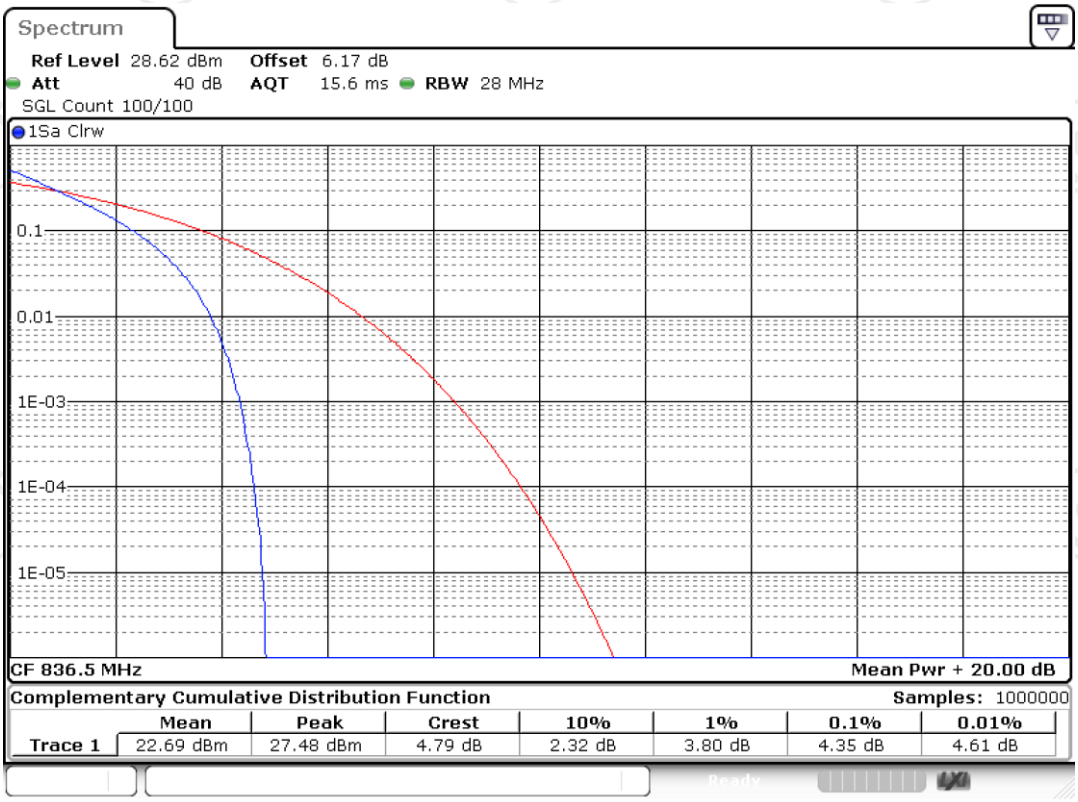

Date: 25.MAY.2023 18:52:05

Band5 16QAM BW=10MHz Channel=20450 RB Size=50 Position=#0



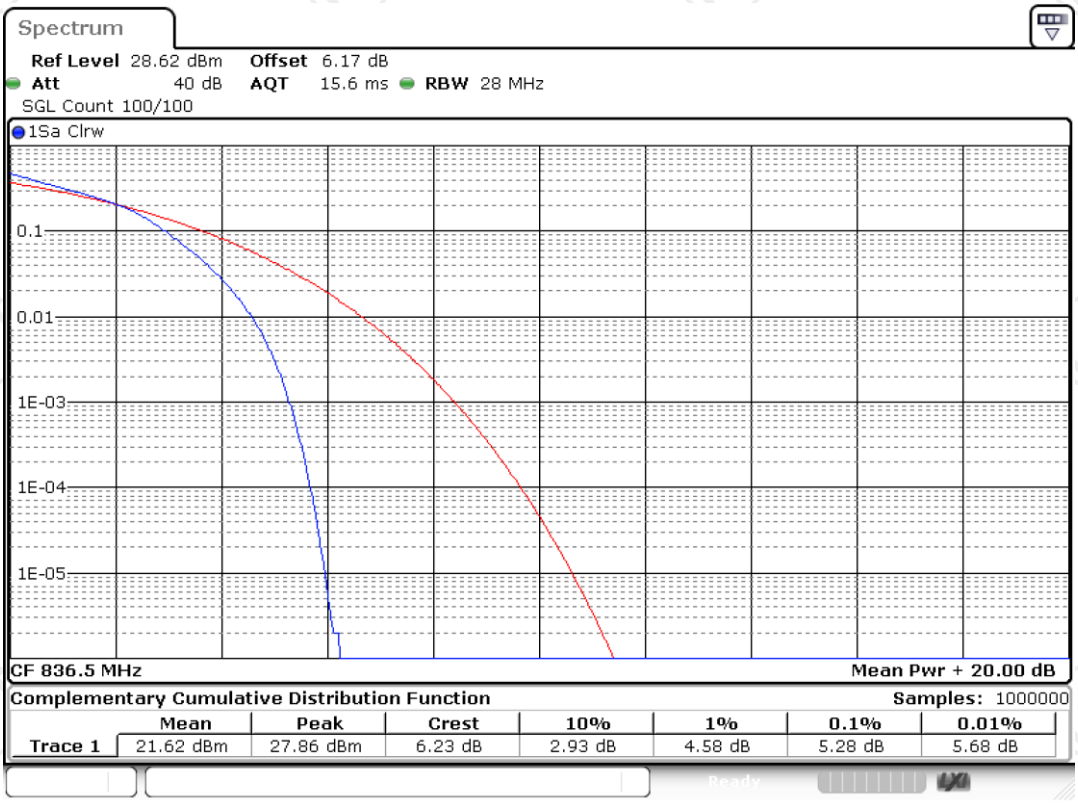

Date: 25.MAY.2023 18:52:11

Band5 QPSK BW=10MHz Channel=20525 RB Size=50 Position=#0



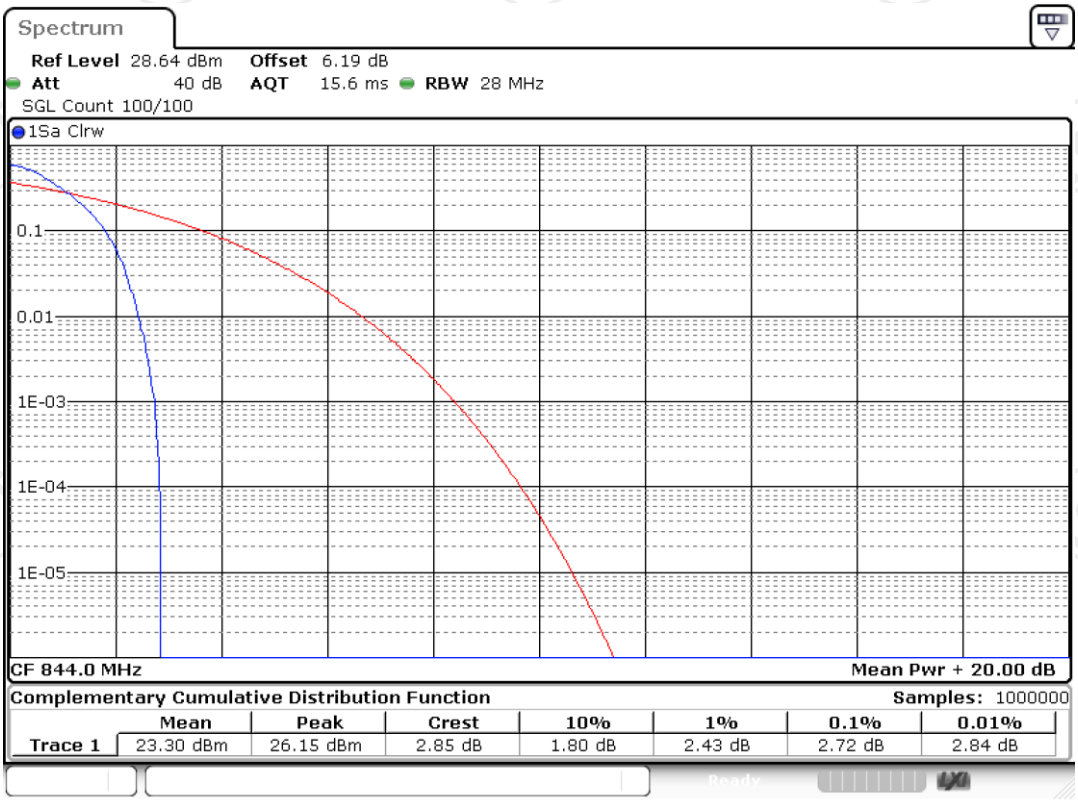

Date: 25.MAY.2023 18:52:25

Band5 16QAM BW=10MHz Channel=20525 RB Size=50 Position=#0



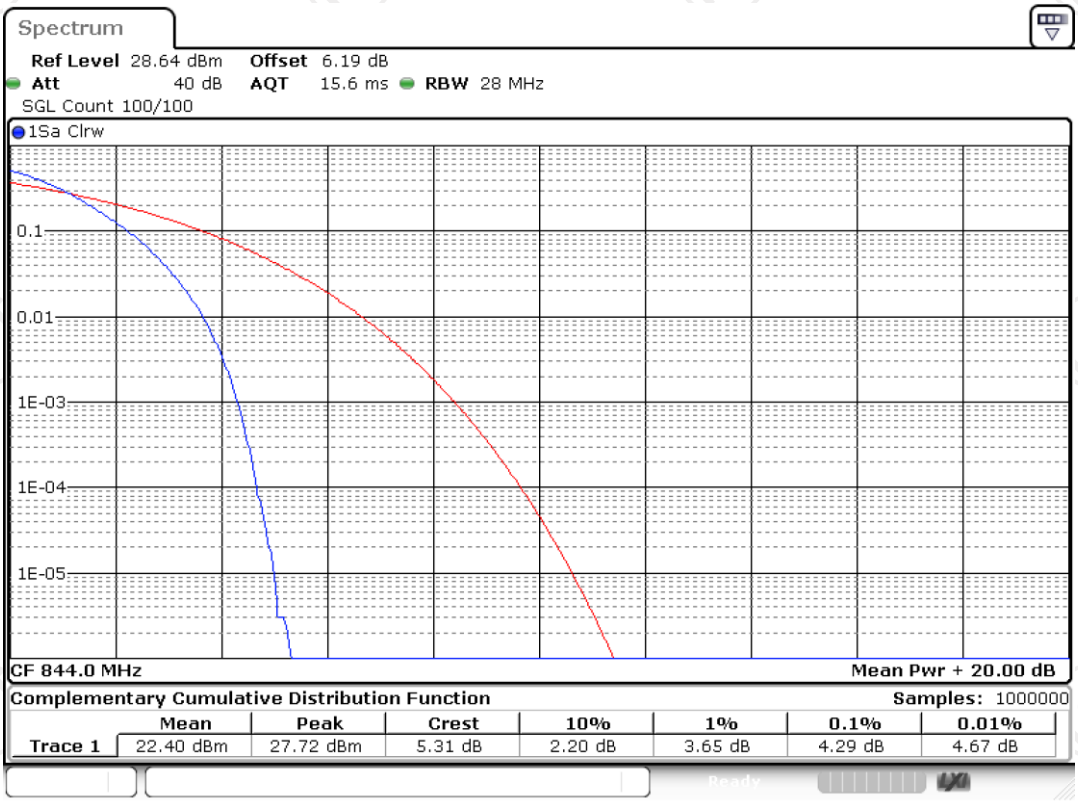

Date: 25.MAY.2023 18:52:39

Band5 QPSK BW=10MHz Channel=20600 RB Size=1 Position=#0



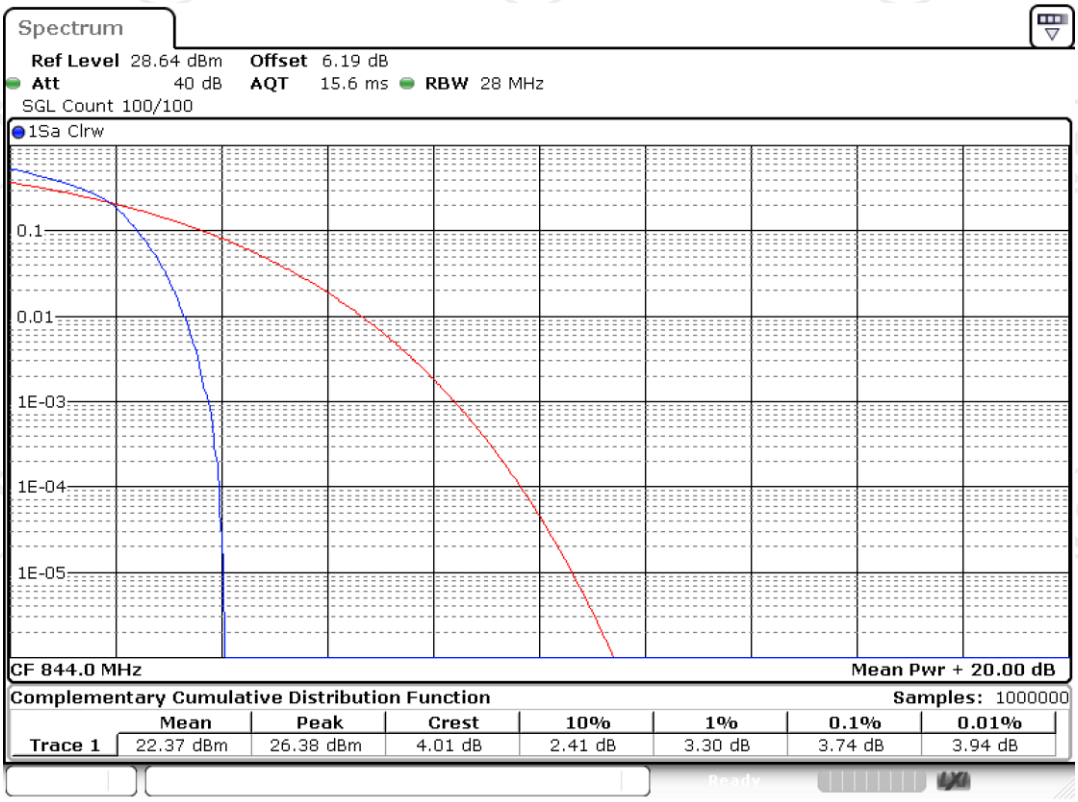

Date: 25.MAY.2023 18:52:46

Band5 QPSK BW=10MHz Channel=20600 RB Size=50 Position=#0



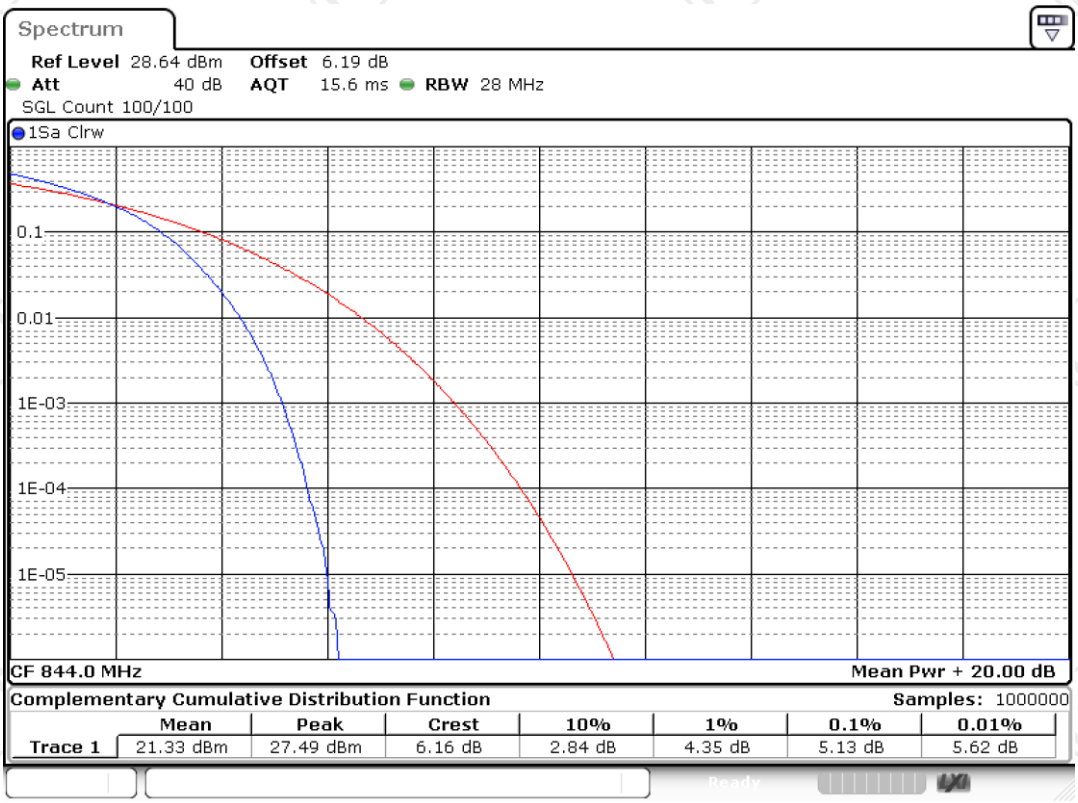

Date: 25.MAY.2023 18:52:53

Band5 16QAM BW=10MHz Channel=20600 RB Size=1 Position=#0




Date: 25.MAY.2023 18:53:00

Band5 16QAM BW=10MHz Channel=20600 RB Size=50 Position=#0

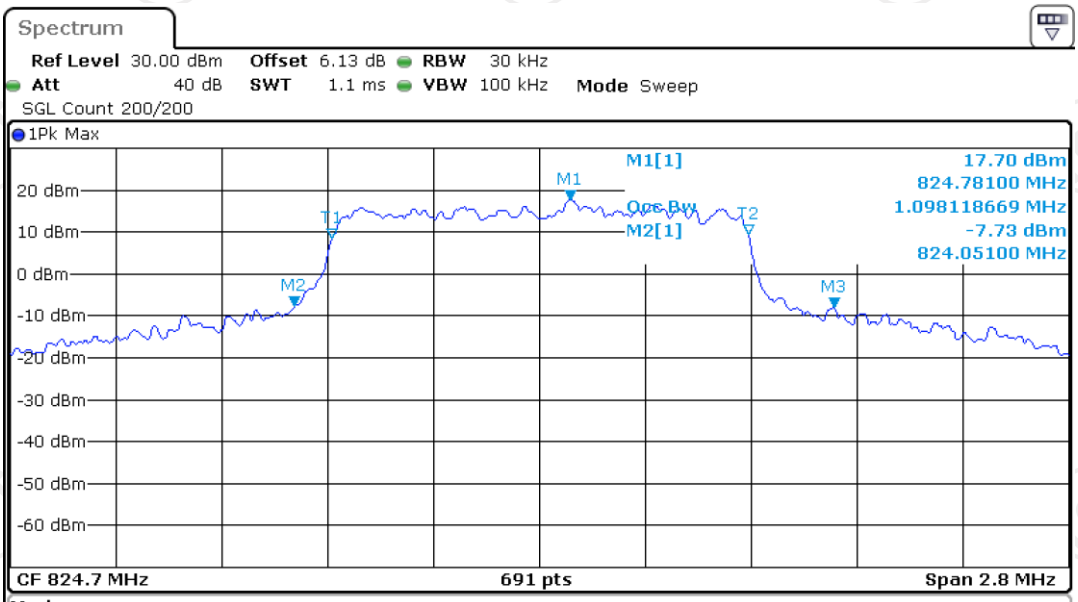



Date: 25.MAY.2023 18:53:07

## 4 Occupied bandwidth

| Band | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | 99% OBW (MHz) | -26dB EBW (MHz) | Verdict |
|---|---|---|---|---|---|---|---|---|
| Band5 | 1.4 | 20407 | 6 | #0 | QPSK | 1.098 | 1.428 | PASS |
| Band5 | 1.4 | 20407 | 6 | #0 | 16QAM | 1.106 | 1.299 | PASS |
| Band5 | 1.4 | 20525 | 6 | #0 | QPSK | 1.098 | 1.290 | PASS |
| Band5 | 1.4 | 20525 | 6 | #0 | 16QAM | 1.094 | 1.282 | PASS |
| Band5 | 1.4 | 20643 | 6 | #0 | QPSK | 1.106 | 1.526 | PASS |
| Band5 | 1.4 | 20643 | 6 | #0 | 16QAM | 1.098 | 1.477 | PASS |
| Band5 | 3 | 20415 | 15 | #0 | QPSK | 2.735 | 3.652 | PASS |
| Band5 | 3 | 20415 | 15 | #0 | 16QAM | 2.735 | 3.357 | PASS |
| Band5 | 3 | 20525 | 15 | #0 | QPSK | 2.718 | 2.965 | PASS |
| Band5 | 3 | 20525 | 15 | #0 | 16QAM | 2.709 | 2.974 | PASS |
| Band5 | 3 | 20635 | 15 | #0 | QPSK | 2.726 | 2.991 | PASS |
| Band5 | 3 | 20635 | 15 | #0 | 16QAM | 2.718 | 2.974 | PASS |
| Band5 | 5 | 20425 | 25 | #0 | QPSK | 4.515 | 5.246 | PASS |
| Band5 | 5 | 20425 | 25 | #0 | 16QAM | 4.530 | 5.087 | PASS |
| Band5 | 5 | 20525 | 25 | #0 | QPSK | 4.515 | 5.116 | PASS |
| Band5 | 5 | 20525 | 25 | #0 | 16QAM | 4.515 | 5.116 | PASS |
| Band5 | 5 | 20625 | 25 | #0 | QPSK | 4.486 | 5.101 | PASS |
| Band5 | 5 | 20625 | 25 | #0 | 16QAM | 4.501 | 4.986 | PASS |
| Band5 | 10 | 20450 | 50 | #0 | QPSK | 9.001 | 10.029 | PASS |
| Band5 | 10 | 20450 | 50 | #0 | 16QAM | 8.973 | 9.826 | PASS |
| Band5 | 10 | 20525 | 50 | #0 | QPSK | 9.059 | 9.971 | PASS |
| Band5 | 10 | 20525 | 50 | #0 | 16QAM | 9.001 | 10.000 | PASS |
| Band5 | 10 | 20600 | 50 | #0 | QPSK | 8.973 | 9.855 | PASS |
| Band5 | 10 | 20600 | 50 | #0 | 16QAM | 8.915 | 9.913 | PASS |

Band5 QPSK BW=1.4MHz Channel=20407 RB Size=6 Position=#0

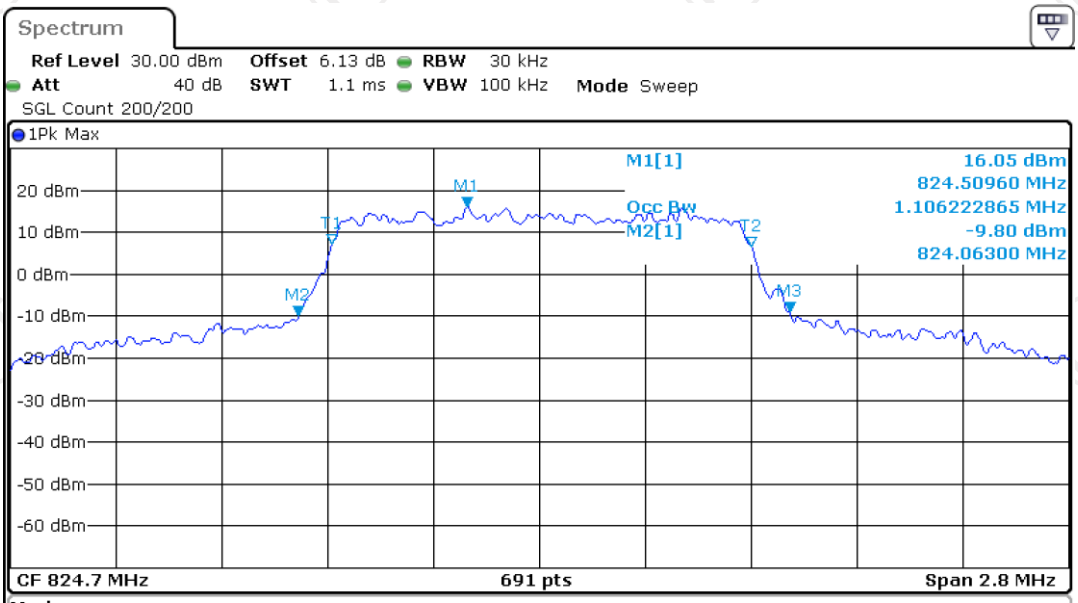



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 824.781 MHz | 17.70 dBm | | |
| T1 | | 1 | 824.15297 MHz | 8.40 dBm | Occ Bw | 1.098118669 MHz |
| T2 | | 1 | 825.25109 MHz | 9.30 dBm | | |
| M2 | | 1 | 824.051 MHz | -7.73 dBm | | |
| M3 | | 1 | 825.479 MHz | -8.10 dBm | | |

Date: 5.JUN.2023 15:24:35

Band5 16QAM BW=1.4MHz Channel=20407 RB Size=6 Position=#0

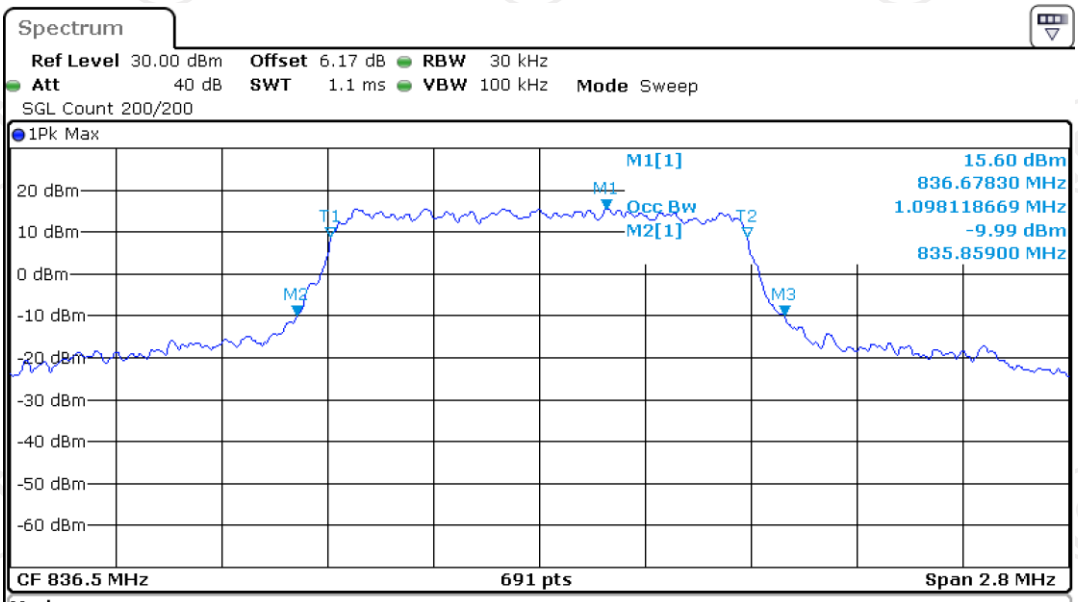



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 824.5096 MHz | 16.05 dBm | | |
| T1 | | 1 | 824.15297 MHz | 7.36 dBm | Occ Bw | 1.106222865 MHz |
| T2 | | 1 | 825.25919 MHz | 6.72 dBm | | |
| M2 | | 1 | 824.063 MHz | -9.80 dBm | | |
| M3 | | 1 | 825.361 MHz | -9.06 dBm | | |

Date: 5.JUN.2023 15:24:40

Band5 QPSK BW=1.4MHz Channel=20525 RB Size=6 Position=#0

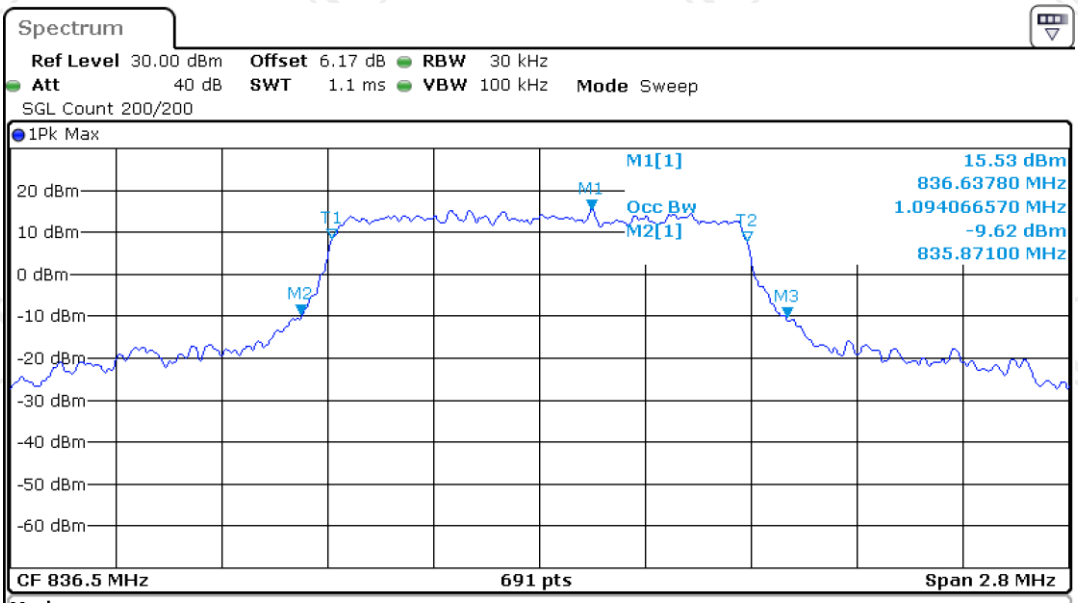



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 836.6783 MHz | 15.60 dBm | | |
| T1 | | 1 | 835.94891 MHz | 8.89 dBm | Occ Bw | 1.098118669 MHz |
| T2 | | 1 | 837.04703 MHz | 8.92 dBm | | |
| M2 | | 1 | 835.859 MHz | -9.99 dBm | | |
| M3 | | 1 | 837.149 MHz | -9.94 dBm | | |

Date: 5.JUN.2023 15:24:45

Band5 16QAM BW=1.4MHz Channel=20525 RB Size=6 Position=#0

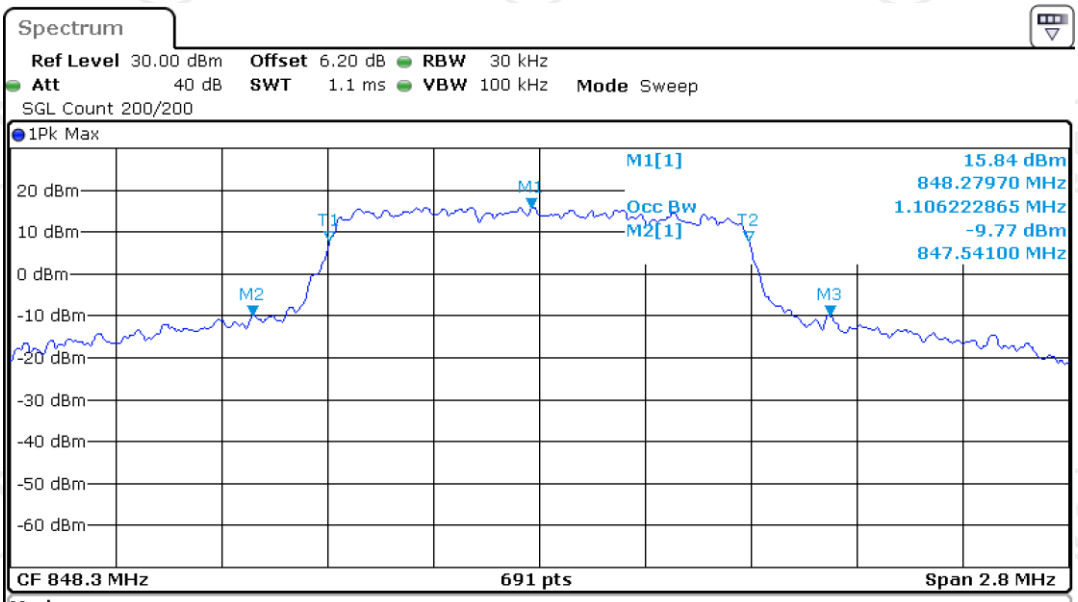



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 836.6378 MHz | 15.53 dBm | | |
| T1 | | 1 | 835.95297 MHz | 8.37 dBm | Occ Bw | 1.09406657 MHz |
| T2 | | 1 | 837.04703 MHz | 7.80 dBm | | |
| M2 | | 1 | 835.871 MHz | -9.62 dBm | | |
| M3 | | 1 | 837.153 MHz | -10.34 dBm | | |

Date: 5.JUN.2023 15:24:50

Band5 QPSK BW=1.4MHz Channel=20643 RB Size=6 Position=#0

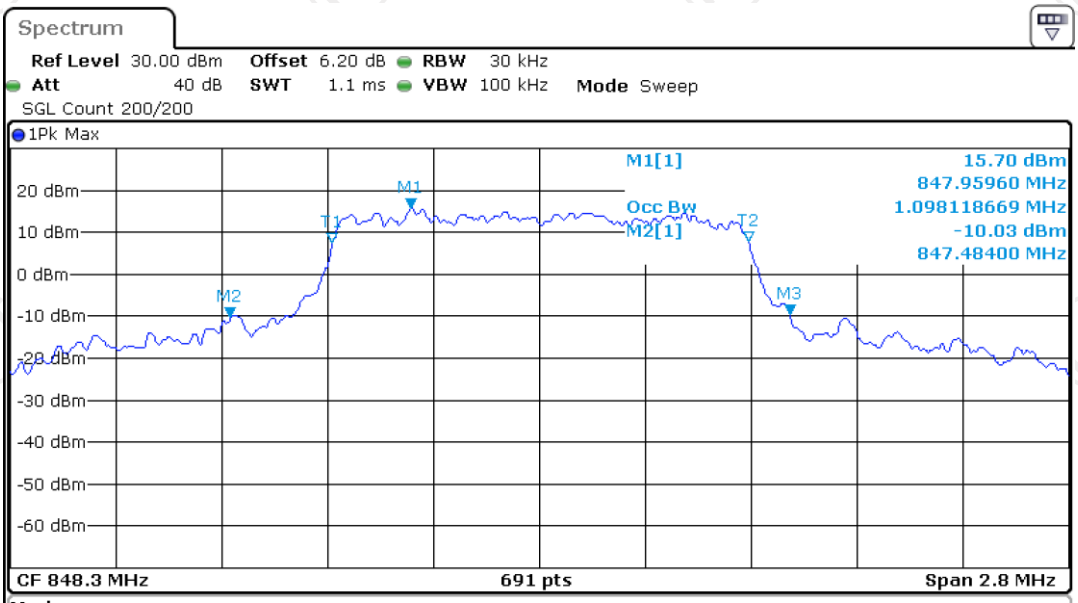



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 848.2797 MHz | 15.84 dBm | | |
| T1 | | 1 | 847.74486 MHz | 7.71 dBm | Occ Bw | 1.106222865 MHz |
| T2 | | 1 | 848.85109 MHz | 7.75 dBm | | |
| M2 | | 1 | 847.541 MHz | -9.77 dBm | | |
| M3 | | 1 | 849.067 MHz | -9.97 dBm | | |

Date: 5.JUN.2023 15:24:55

Band5 16QAM BW=1.4MHz Channel=20643 RB Size=6 Position=#0

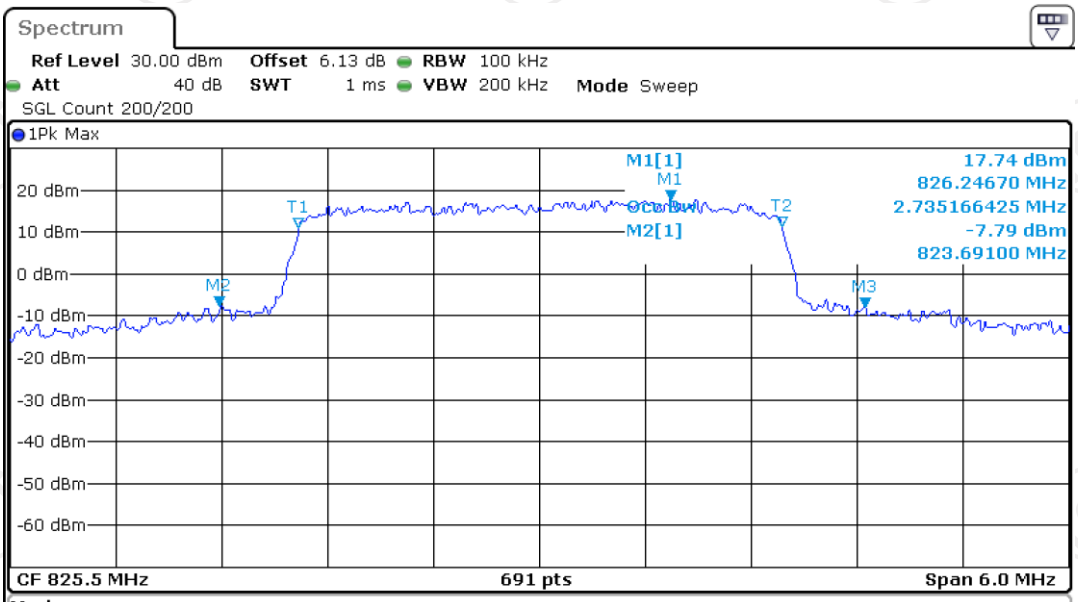



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 847.9596 MHz | 15.70 dBm | | |
| T1 | | 1 | 847.75297 MHz | 7.53 dBm | Occ Bw | 1.098118669 MHz |
| T2 | | 1 | 848.85109 MHz | 7.91 dBm | | |
| M2 | | 1 | 847.484 MHz | -10.03 dBm | | |
| M3 | | 1 | 848.961 MHz | -9.62 dBm | | |

Date: 5.JUN.2023 15:25:00

Band5 QPSK BW=3MHz Channel=20415 RB Size=15 Position=#0

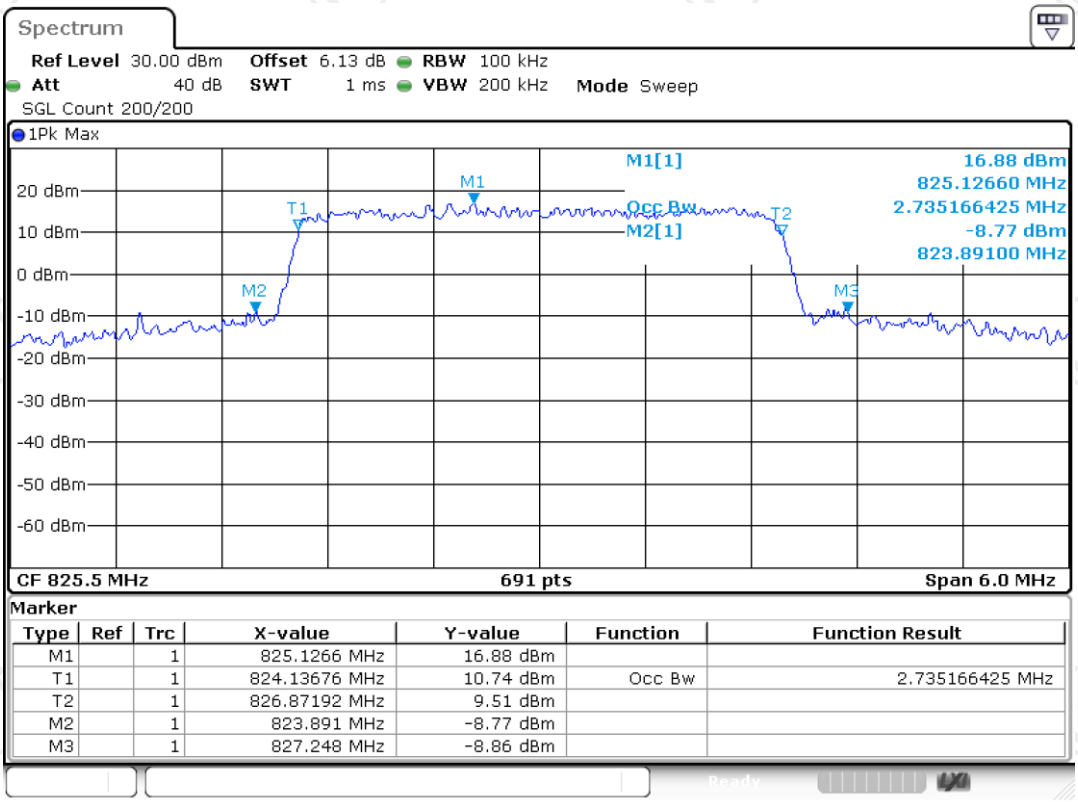



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 826.2467 MHz | 17.74 dBm | | |
| T1 | | 1 | 824.13676 MHz | 11.14 dBm | Occ Bw | 2.735166425 MHz |
| T2 | | 1 | 826.87192 MHz | 11.38 dBm | | |
| M2 | | 1 | 823.691 MHz | -7.79 dBm | | |
| M3 | | 1 | 827.343 MHz | -7.87 dBm | | |

Date: 5.JUN.2023 15:25:07

Band5 16QAM BW=3MHz Channel=20415 RB Size=15 Position=#0

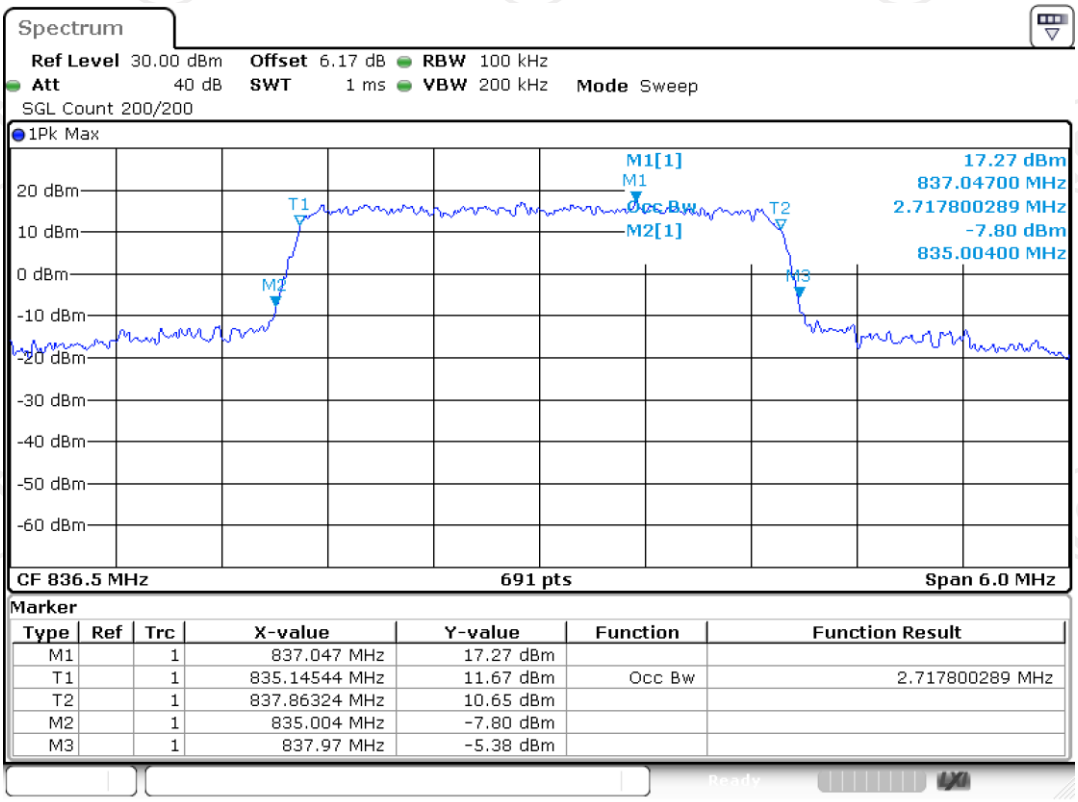



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 825.1266 MHz | 16.88 dBm | | |
| T1 | | 1 | 824.13676 MHz | 10.74 dBm | Occ Bw | 2.735166425 MHz |
| T2 | | 1 | 826.87192 MHz | 9.51 dBm | | |
| M2 | | 1 | 823.891 MHz | -8.77 dBm | | |
| M3 | | 1 | 827.248 MHz | -8.86 dBm | | |

Date: 5.JUN.2023 15:25:13

Band5 QPSK BW=3MHz Channel=20525 RB Size=15 Position=#0

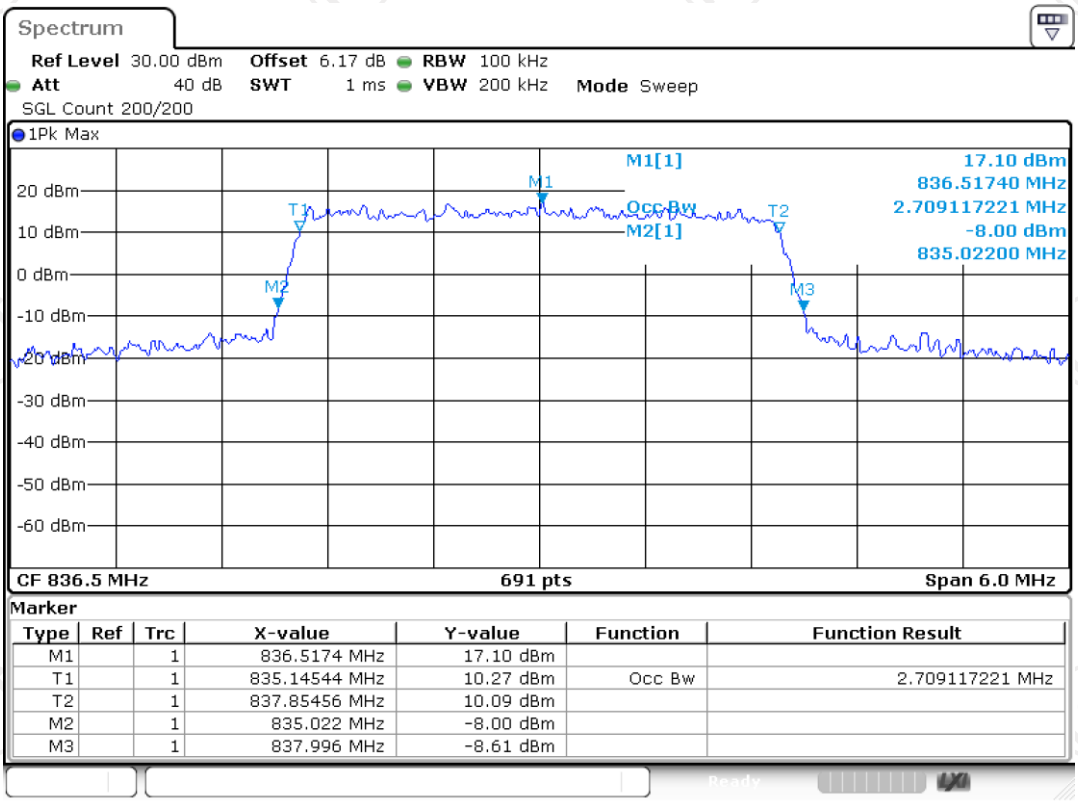



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 837.047 MHz | 17.27 dBm | | |
| T1 | | 1 | 835.14544 MHz | 11.67 dBm | Occ Bw | 2.717800289 MHz |
| T2 | | 1 | 837.86324 MHz | 10.65 dBm | | |
| M2 | | 1 | 835.004 MHz | -7.80 dBm | | |
| M3 | | 1 | 837.97 MHz | -5.38 dBm | | |

Date: 5.JUN.2023 15:25:19

Band5 16QAM BW=3MHz Channel=20525 RB Size=15 Position=#0

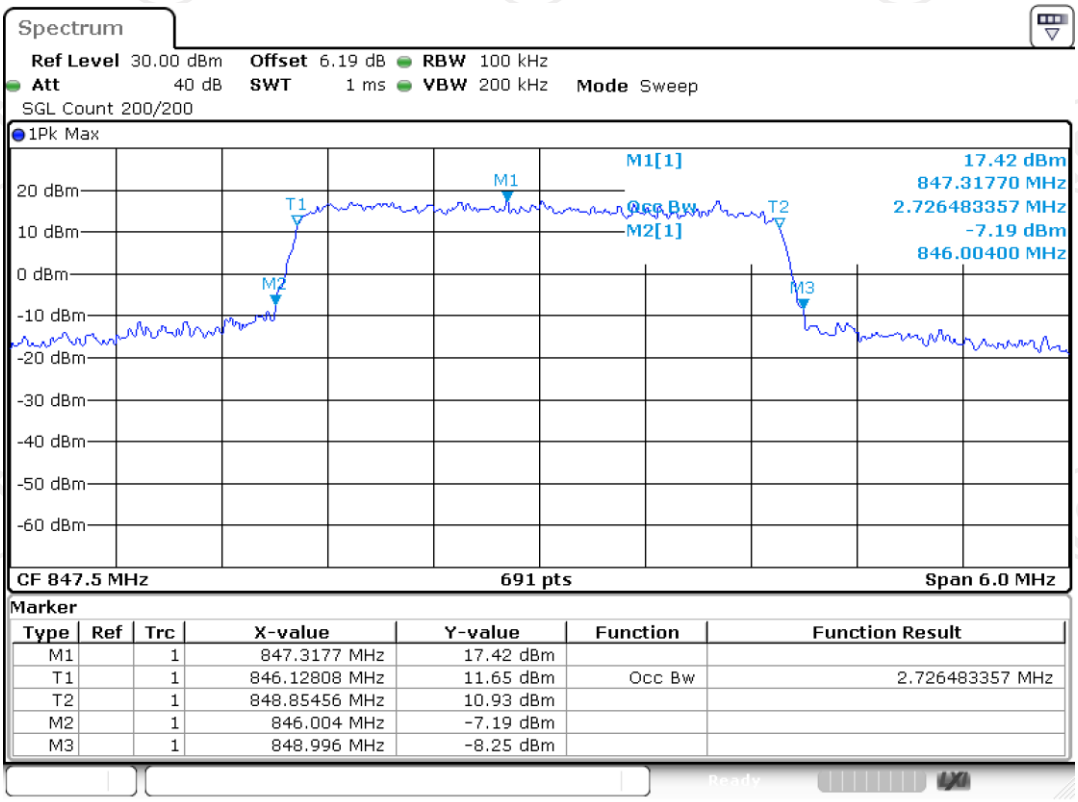



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 836.5174 MHz | 17.10 dBm | | |
| T1 | | 1 | 835.14544 MHz | 10.27 dBm | Occ Bw | 2.709117221 MHz |
| T2 | | 1 | 837.85456 MHz | 10.09 dBm | | |
| M2 | | 1 | 835.022 MHz | -8.00 dBm | | |
| M3 | | 1 | 837.996 MHz | -8.61 dBm | | |

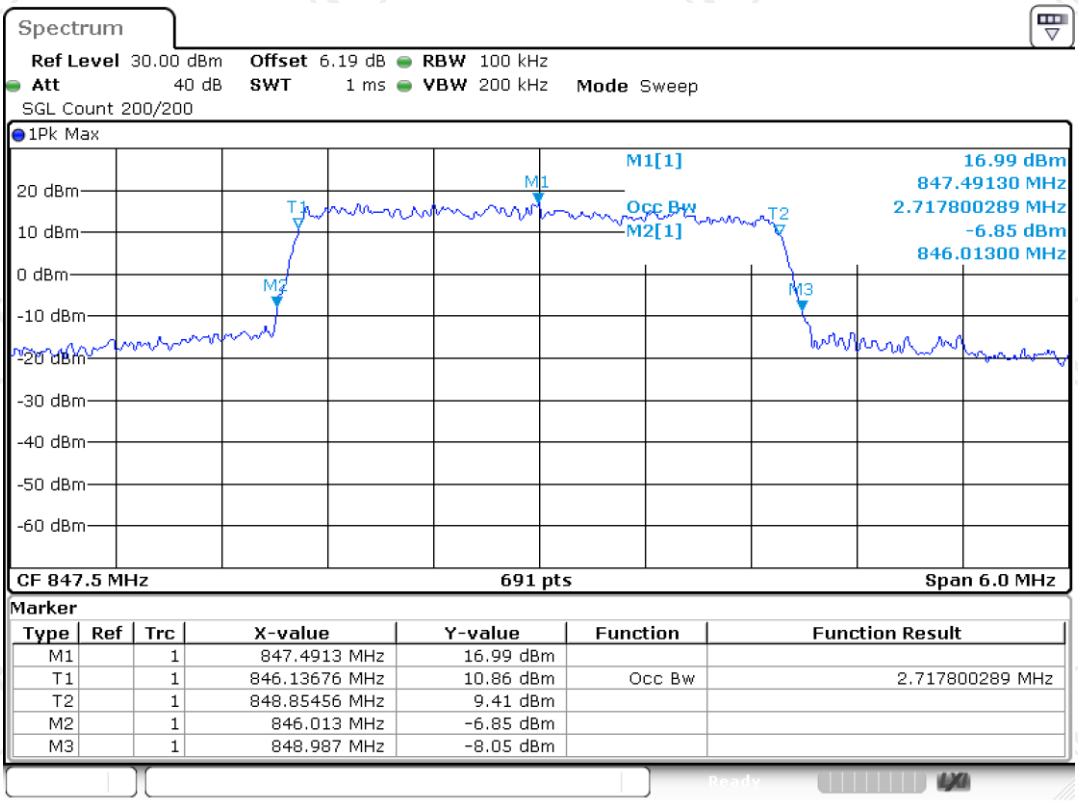
Date: 5.JUN.2023 15:25:24

Band5 QPSK BW=3MHz Channel=20635 RB Size=15 Position=#0



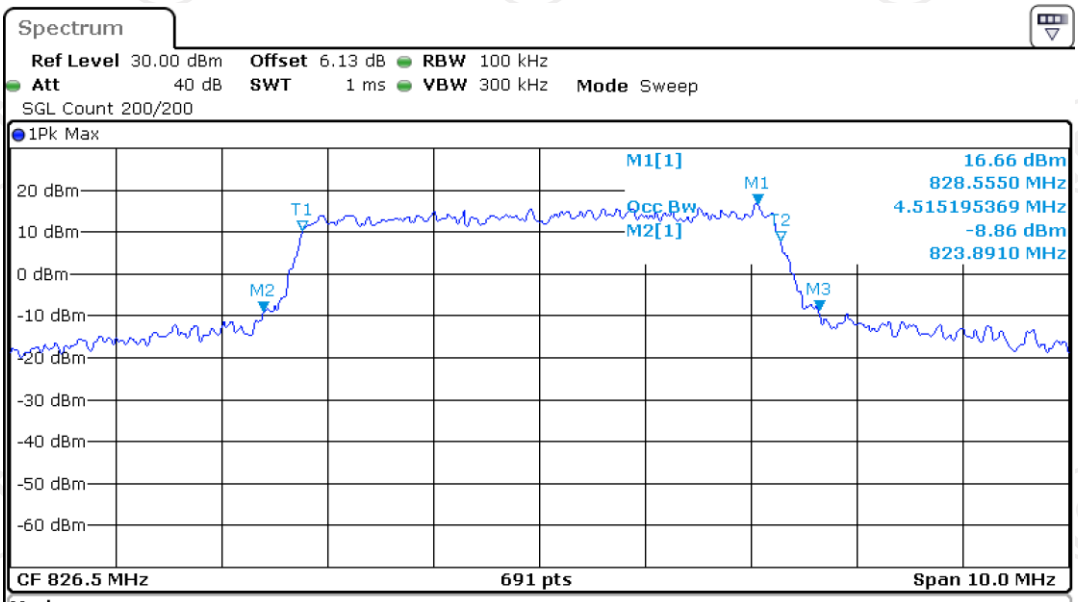

Date: 5.JUN.2023 15:25:29

Band5 16QAM BW=3MHz Channel=20635 RB Size=15 Position=#0




Date: 5.JUN.2023 15:25:35

Band5 QPSK BW=5MHz Channel=20425 RB Size=25 Position=#0

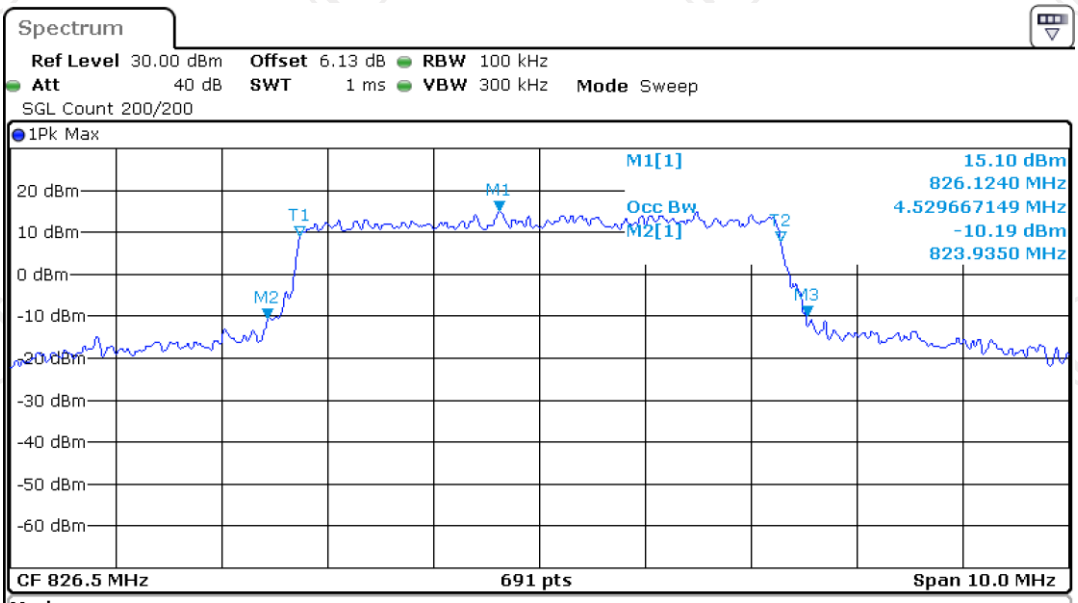



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 828.555 MHz | 16.66 dBm | | |
| T1 | | 1 | 824.2569 MHz | 10.23 dBm | Occ Bw | 4.515195369 MHz |
| T2 | | 1 | 828.7721 MHz | 7.82 dBm | | |
| M2 | | 1 | 823.891 MHz | -8.86 dBm | | |
| M3 | | 1 | 829.138 MHz | -8.58 dBm | | |

Date: 5.JUN.2023 15:25:41

Band5 16QAM BW=5MHz Channel=20425 RB Size=25 Position=#0

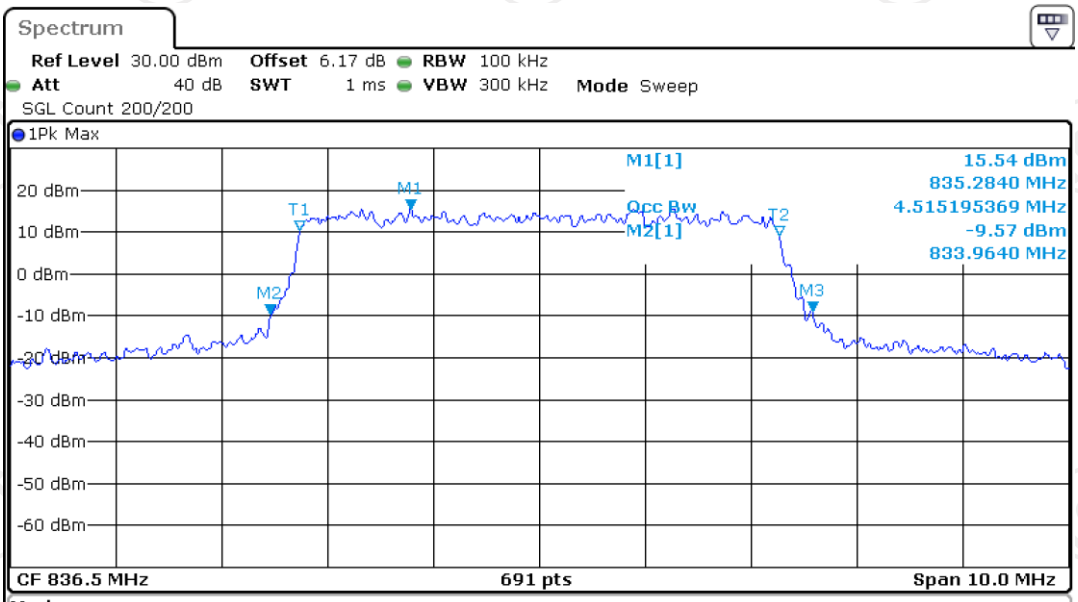



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 826.124 MHz | 15.10 dBm | | |
| T1 | | 1 | 824.2424 MHz | 9.25 dBm | Occ Bw | 4.529667149 MHz |
| T2 | | 1 | 828.7721 MHz | 7.71 dBm | | |
| M2 | | 1 | 823.935 MHz | -10.19 dBm | | |
| M3 | | 1 | 829.022 MHz | -9.73 dBm | | |

Date: 5.JUN.2023 15:25:47

Band5 QPSK BW=5MHz Channel=20525 RB Size=25 Position=#0

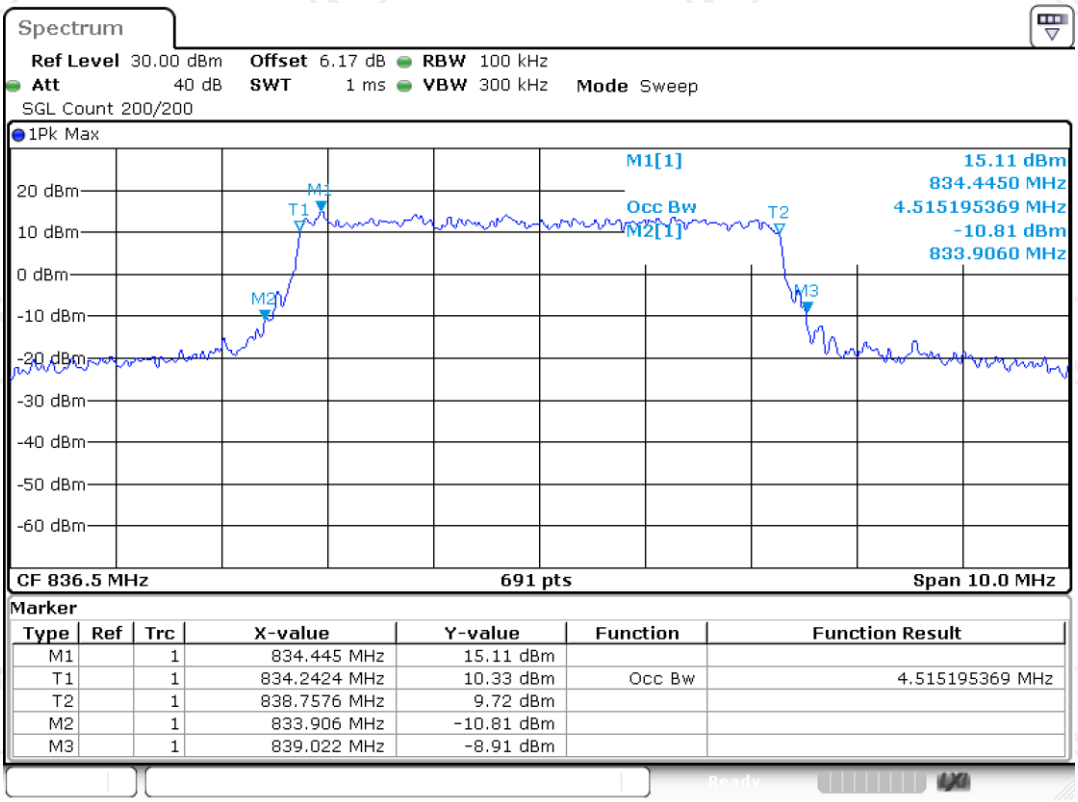



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 835.284 MHz | 15.54 dBm | | |
| T1 | | 1 | 834.2424 MHz | 10.23 dBm | Occ Bw | 4.515195369 MHz |
| T2 | | 1 | 838.7576 MHz | 8.99 dBm | | |
| M2 | | 1 | 833.964 MHz | -9.57 dBm | | |
| M3 | | 1 | 839.08 MHz | -8.92 dBm | | |

Date: 5.JUN.2023 15:25:53

Band5 16QAM BW=5MHz Channel=20525 RB Size=25 Position=#0

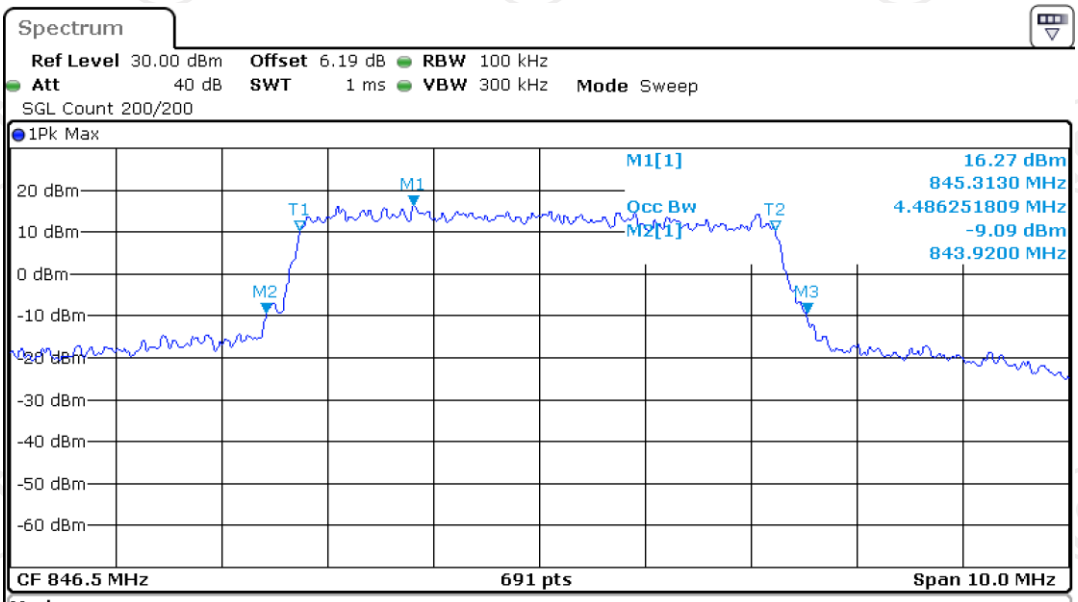



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 834.445 MHz | 15.11 dBm | | |
| T1 | | 1 | 834.2424 MHz | 10.33 dBm | Occ Bw | 4.515195369 MHz |
| T2 | | 1 | 838.7576 MHz | 9.72 dBm | | |
| M2 | | 1 | 833.906 MHz | -10.81 dBm | | |
| M3 | | 1 | 839.022 MHz | -8.91 dBm | | |

Date: 5.JUN.2023 15:25:58

Band5 QPSK BW=5MHz Channel=20625 RB Size=25 Position=#0

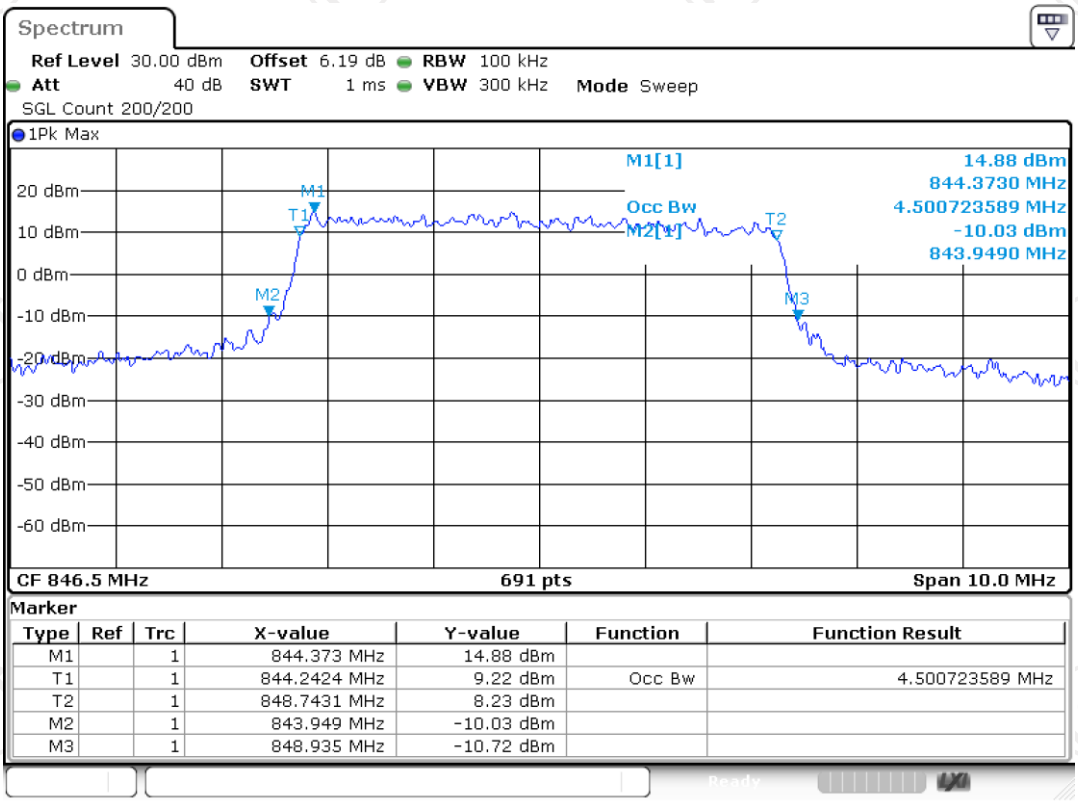



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 845.313 MHz | 16.27 dBm | | |
| T1 | | 1 | 844.2424 MHz | 10.49 dBm | Occ Bw | 4.486251809 MHz |
| T2 | | 1 | 848.7287 MHz | 10.39 dBm | | |
| M2 | | 1 | 843.92 MHz | -9.09 dBm | | |
| M3 | | 1 | 849.022 MHz | -9.21 dBm | | |

Date: 5.JUN.2023 15:26:03

Band5 16QAM BW=5MHz Channel=20625 RB Size=25 Position=#0

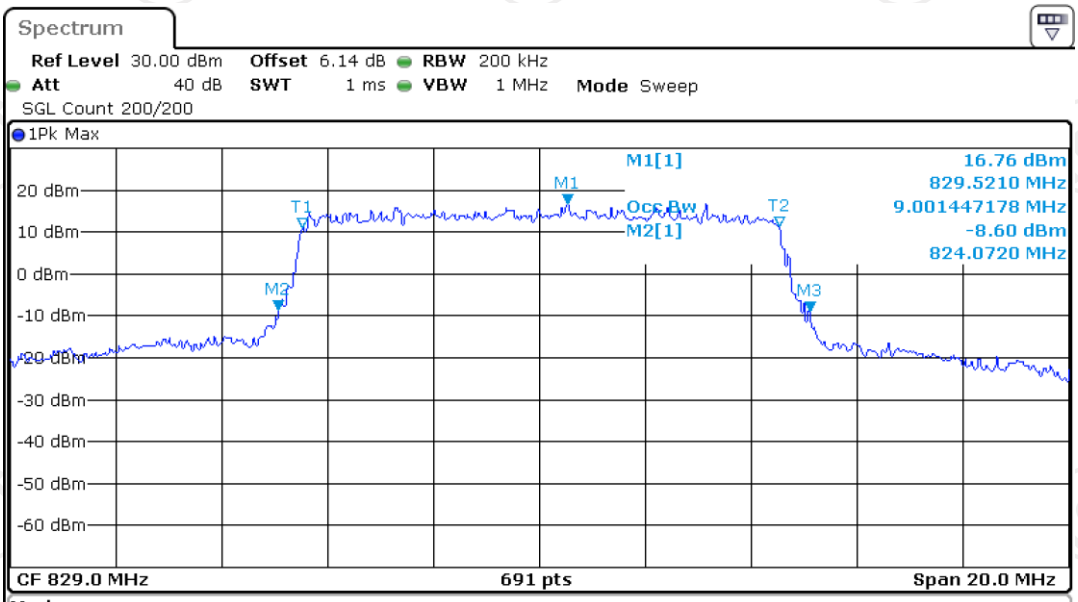



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 844.373 MHz | 14.88 dBm | | |
| T1 | | 1 | 844.2424 MHz | 9.22 dBm | Occ Bw | 4.500723589 MHz |
| T2 | | 1 | 848.7431 MHz | 8.23 dBm | | |
| M2 | | 1 | 843.949 MHz | -10.03 dBm | | |
| M3 | | 1 | 848.935 MHz | -10.72 dBm | | |

Date: 5.JUN.2023 15:26:09

Band5 QPSK BW=10MHz Channel=20450 RB Size=50 Position=#0

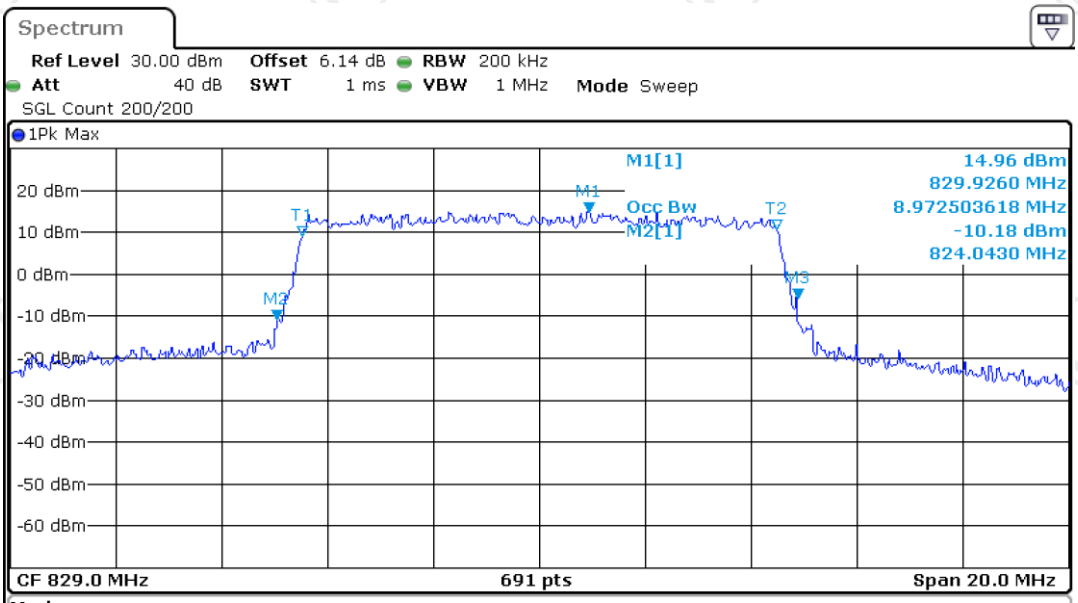



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 829.521 MHz | 16.76 dBm | | |
| T1 | | 1 | 824.5137 MHz | 10.88 dBm | Occ Bw | 9.001447178 MHz |
| T2 | | 1 | 833.5152 MHz | 11.43 dBm | | |
| M2 | | 1 | 824.072 MHz | -8.60 dBm | | |
| M3 | | 1 | 834.101 MHz | -8.81 dBm | | |

Date: 5.JUN.2023 15:26:16

Band5 16QAM BW=10MHz Channel=20450 RB Size=50 Position=#0

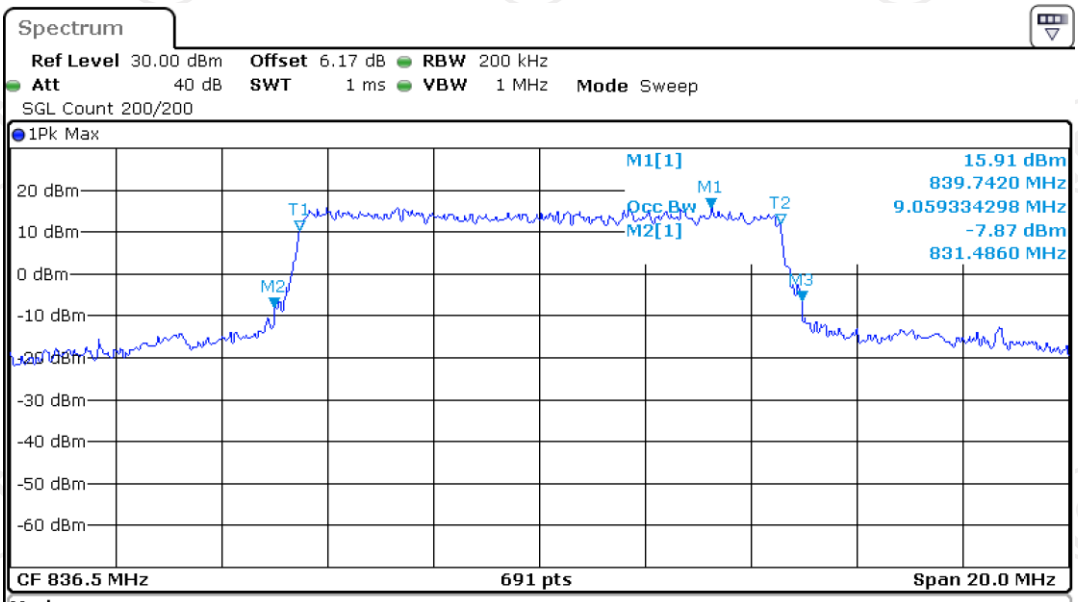



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 829.926 MHz | 14.96 dBm | | |
| T1 | | 1 | 824.5137 MHz | 9.26 dBm | Occ Bw | 8.972503618 MHz |
| T2 | | 1 | 833.4863 MHz | 10.61 dBm | | |
| M2 | | 1 | 824.043 MHz | -10.18 dBm | | |
| M3 | | 1 | 833.87 MHz | -5.62 dBm | | |

Date: 5.JUN.2023 15:26:22

Band5 QPSK BW=10MHz Channel=20525 RB Size=50 Position=#0

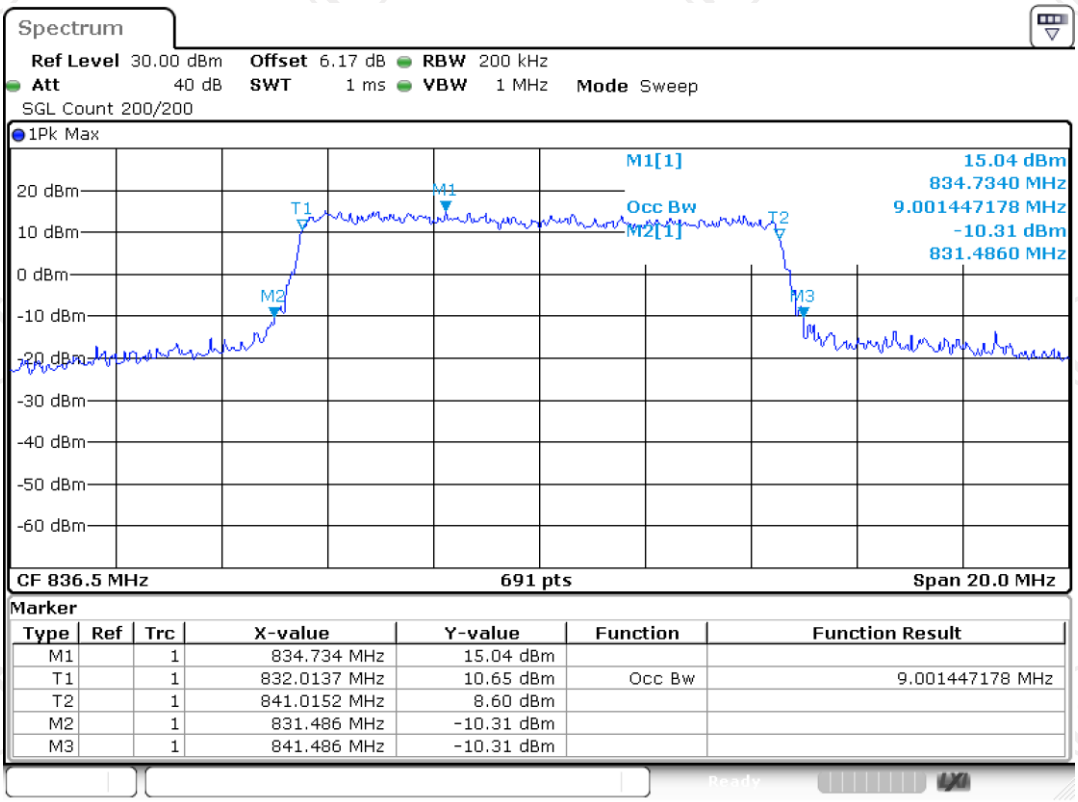



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 839.742 MHz | 15.91 dBm | | |
| T1 | | 1 | 831.9848 MHz | 10.40 dBm | Occ Bw | 9.059334298 MHz |
| T2 | | 1 | 841.0441 MHz | 11.94 dBm | | |
| M2 | | 1 | 831.486 MHz | -7.87 dBm | | |
| M3 | | 1 | 841.457 MHz | -4.43 dBm | | |

Date: 5.JUN.2023 15:26:28

Band5 16QAM BW=10MHz Channel=20525 RB Size=50 Position=#0




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 834.734 MHz | 15.04 dBm | | |
| T1 | | 1 | 832.0137 MHz | 10.65 dBm | Occ Bw | 9.001447178 MHz |
| T2 | | 1 | 841.0152 MHz | 8.60 dBm | | |
| M2 | | 1 | 831.486 MHz | -10.31 dBm | | |
| M3 | | 1 | 841.486 MHz | -10.31 dBm | | |

Date: 5.JUN.2023 15:26:34