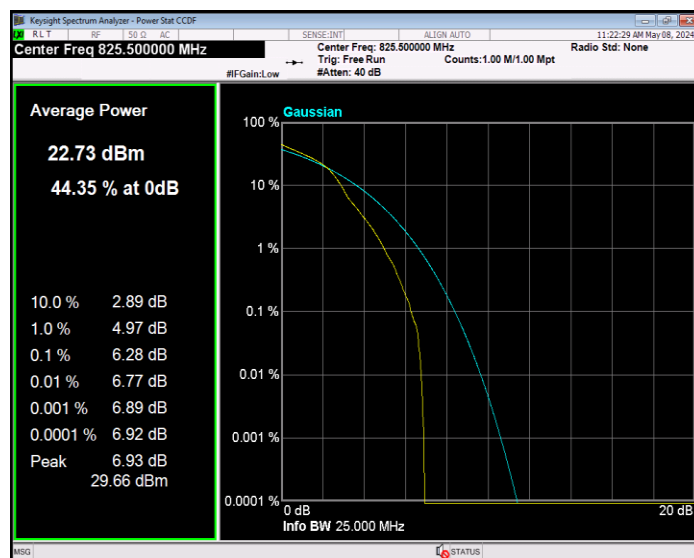
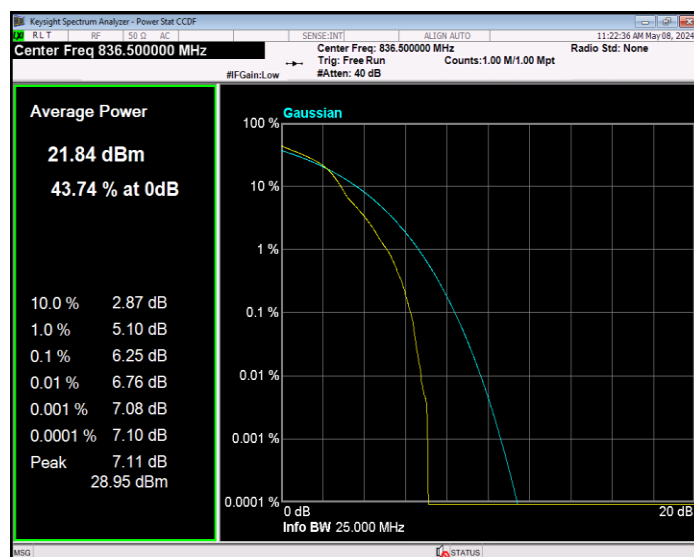
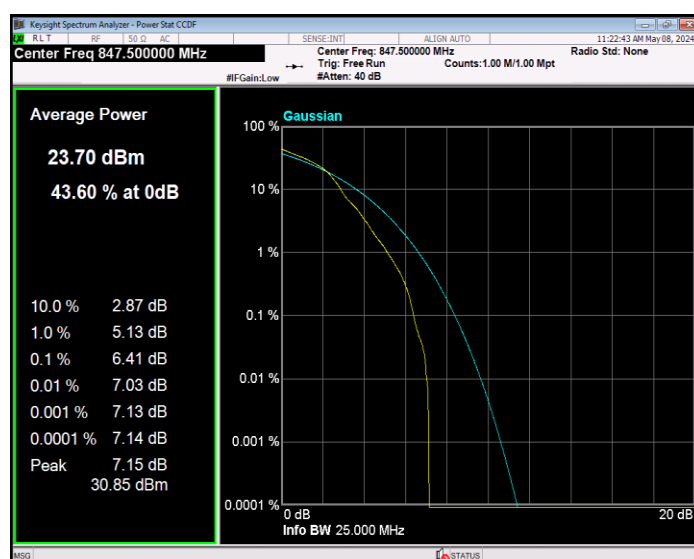




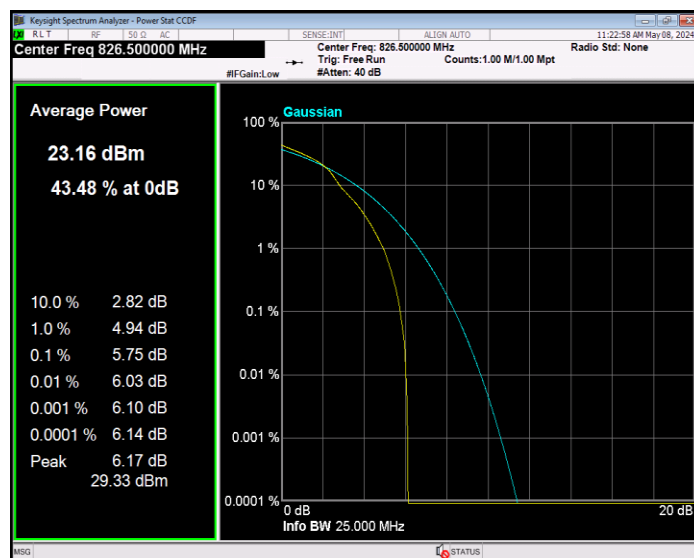
Band5 16QAM BW=3MHz Channel=20525 RB Size=1 Position=#0



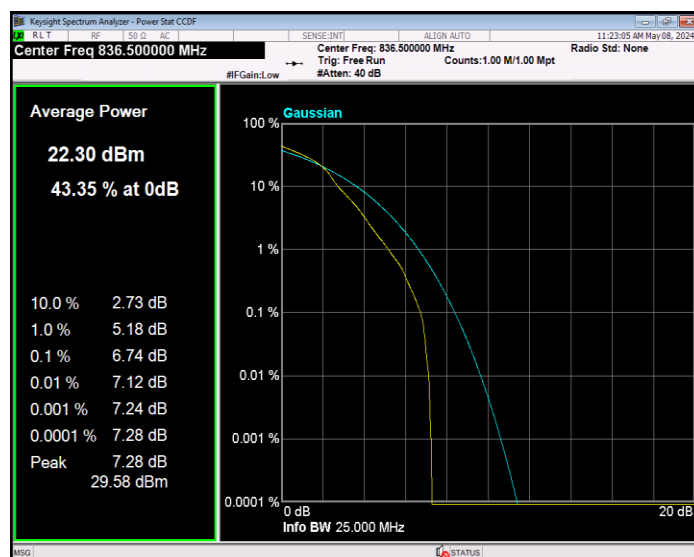
Band5 16QAM BW=3MHz Channel=20635 RB Size=1 Position=#0



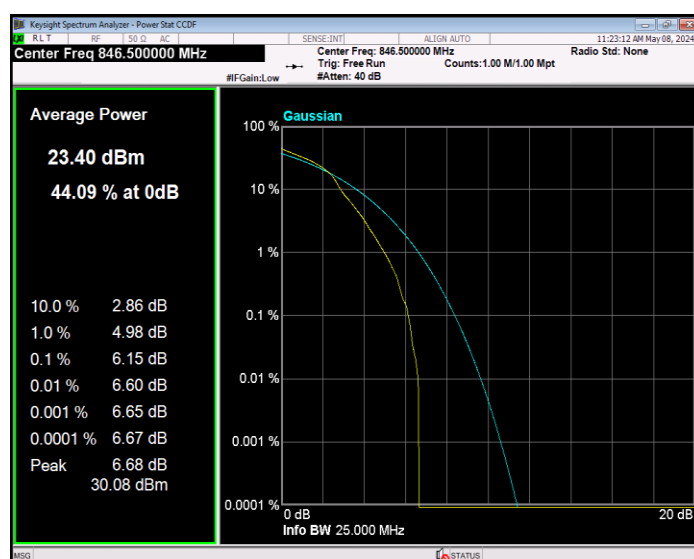
Band5 16QAM BW=5MHz Channel=20425 RB Size=1 Position=#0



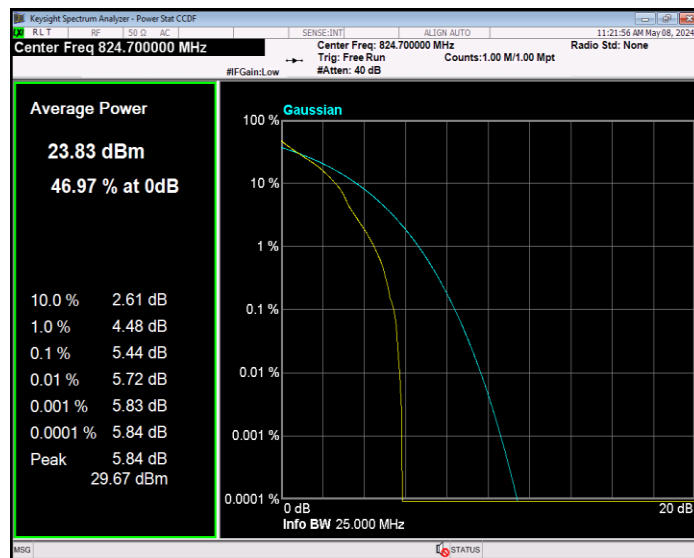
Band5 16QAM BW=5MHz Channel=20525 RB Size=1 Position=#0



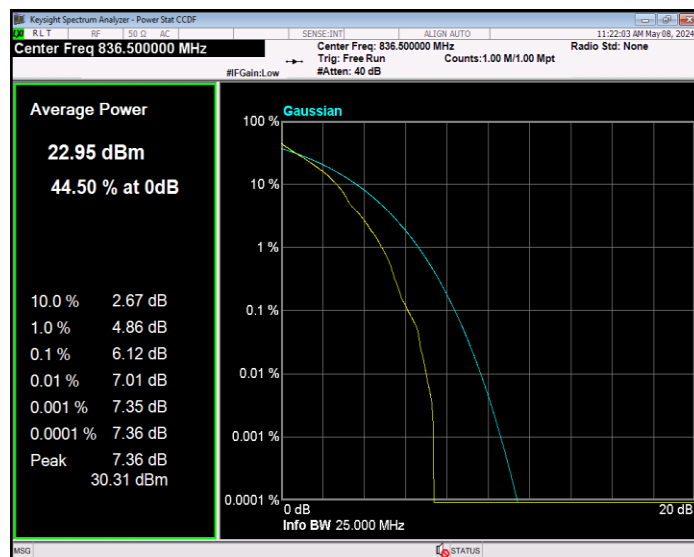
Band5 16QAM BW=5MHz Channel=20625 RB Size=1 Position=#0



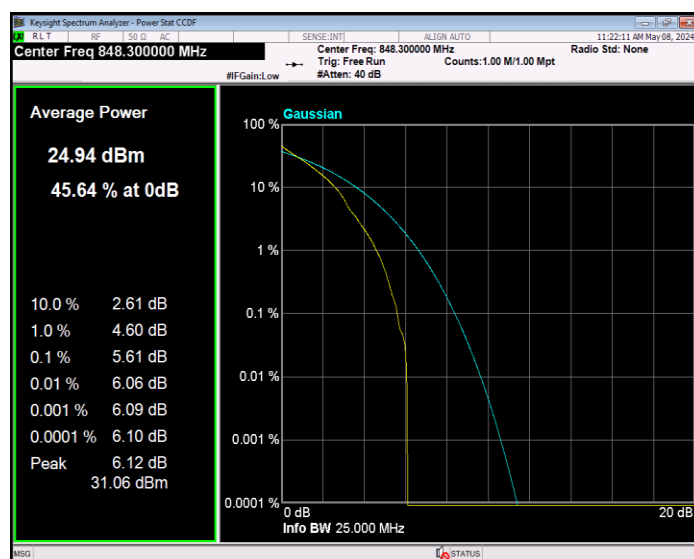
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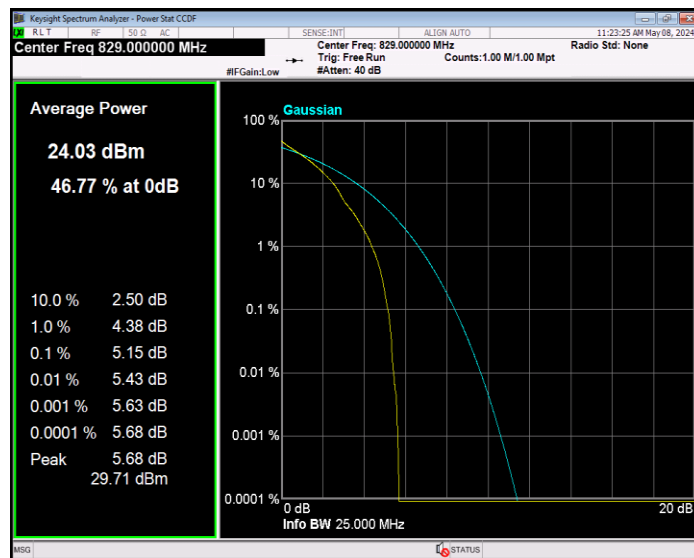
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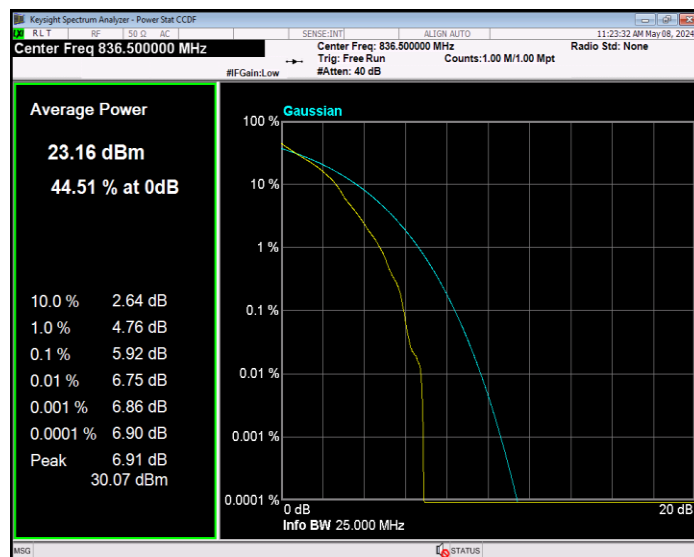
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=1 Position=#0



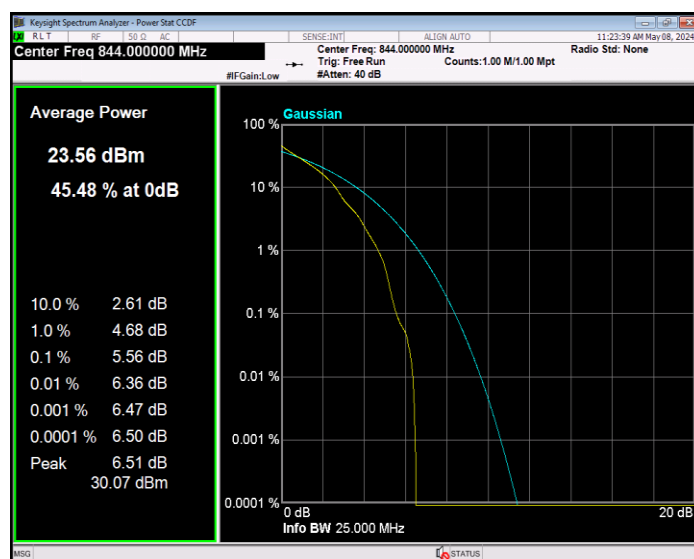
Band5 QPSK BW=10MHz Channel=20450 RB Size=1 Position=#0



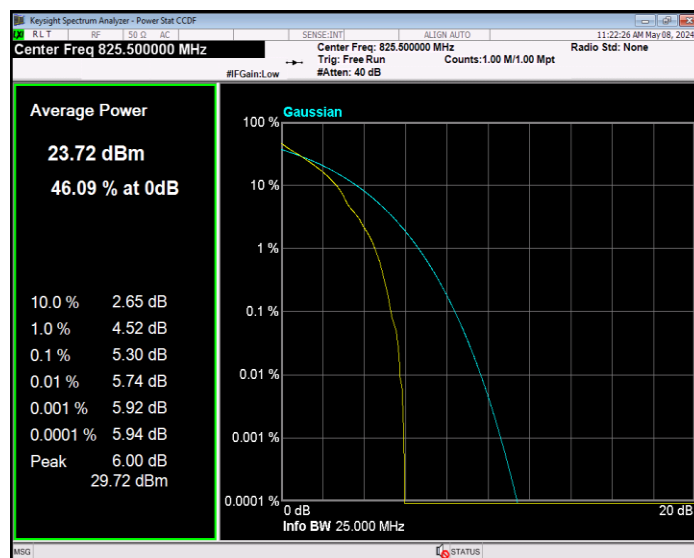
Band5 QPSK BW=10MHz Channel=20525 RB Size=1 Position=#0



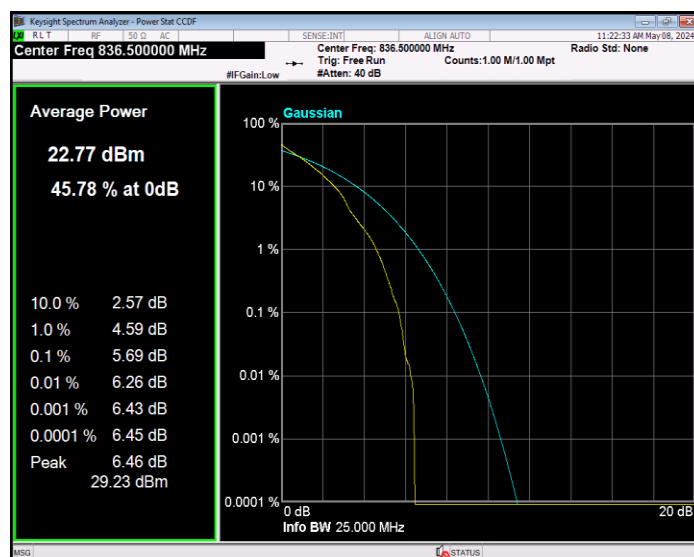
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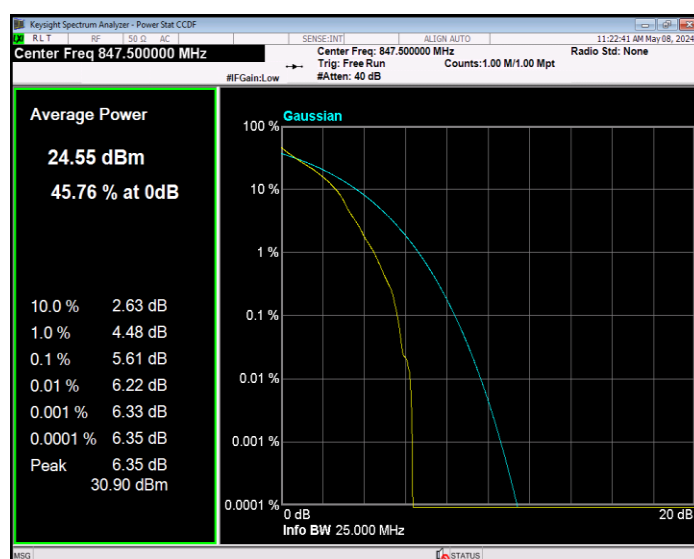
Band5 QPSK BW=3MHz Channel=20415 RB Size=1 Position=#0



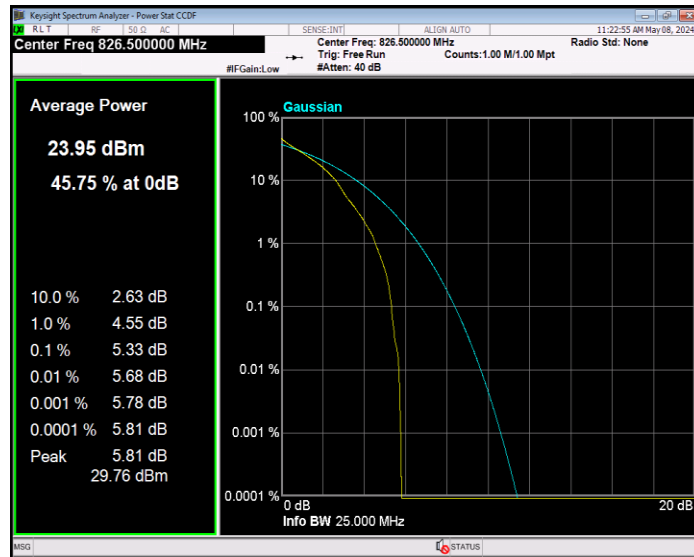
Band5 QPSK BW=3MHz Channel=20525 RB Size=1 Position=#0



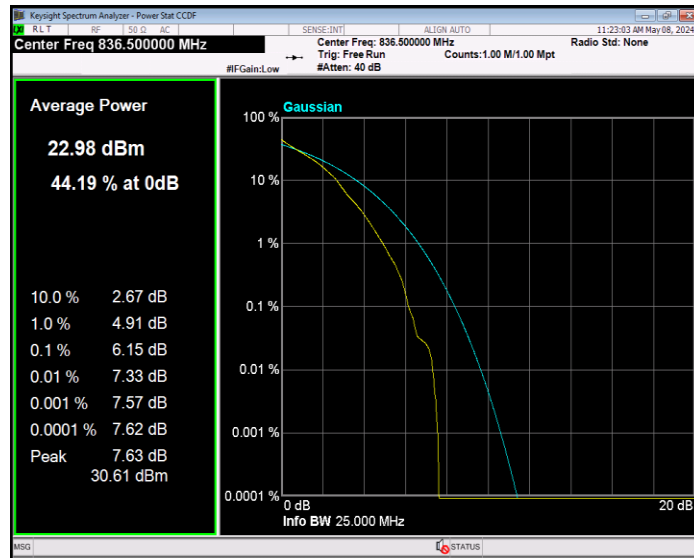
Band5 QPSK BW=3MHz Channel=20635 RB Size=1 Position=#0



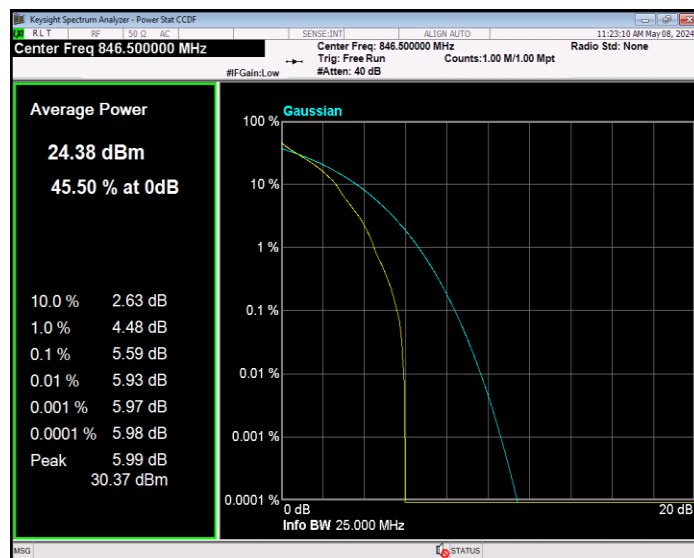
Band5 QPSK BW=5MHz Channel=20425 RB Size=1 Position=#0



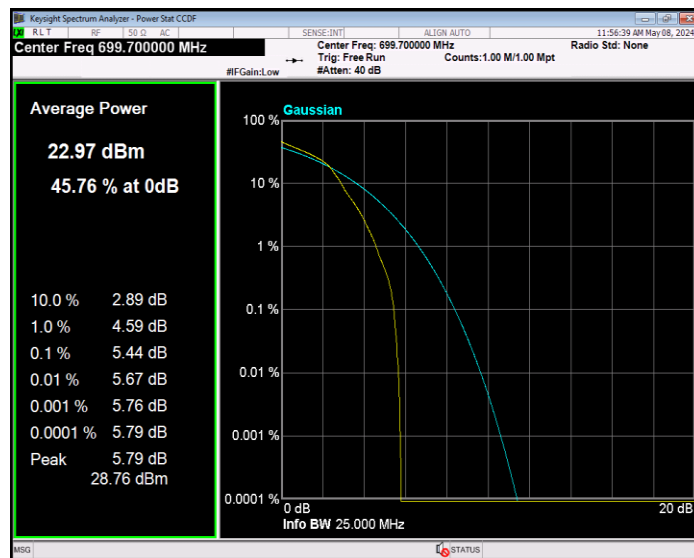
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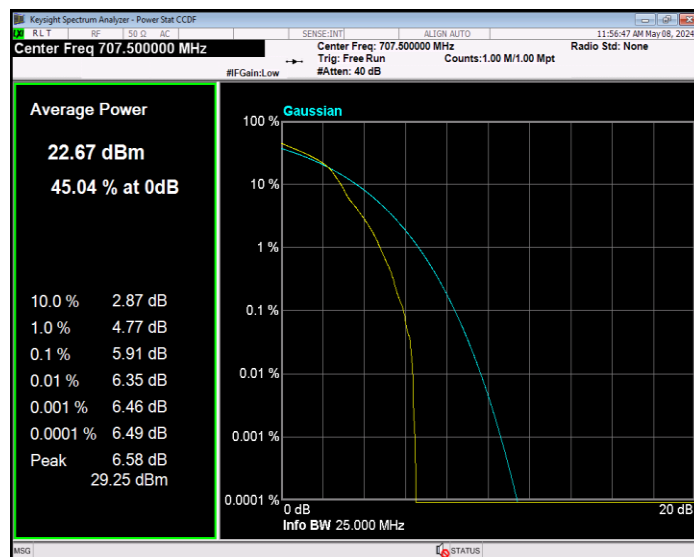
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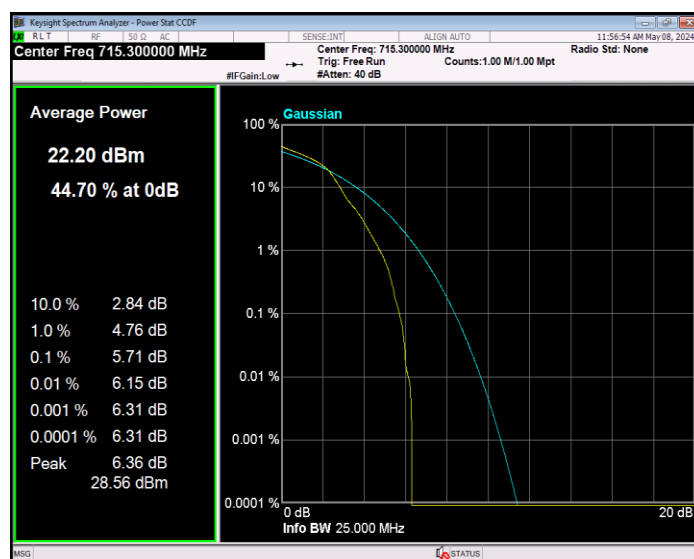
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=1 Position=#0



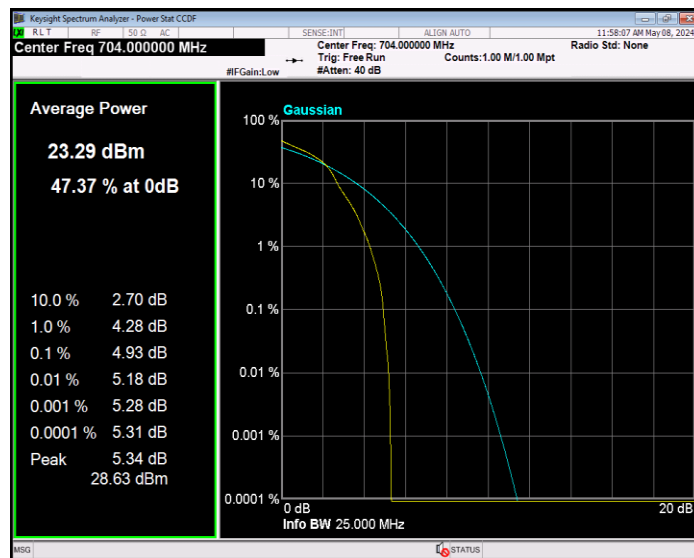
Band12 16QAM BW=1.4MHz Channel=23095 RB Size=1 Position=#0



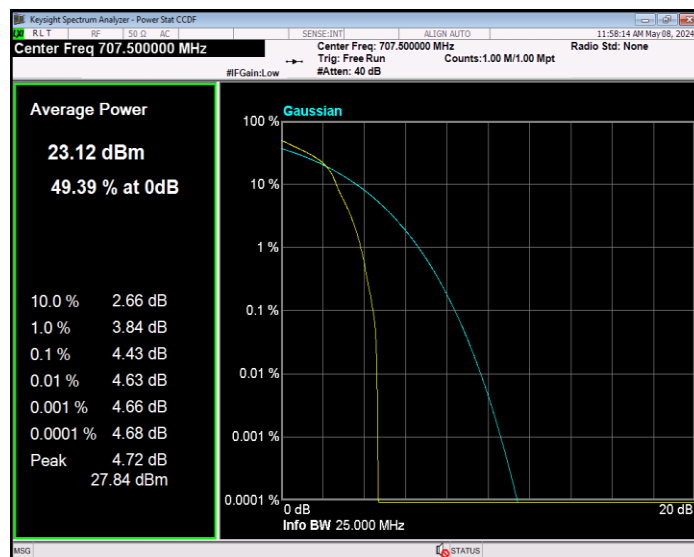
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=1 Position=#0



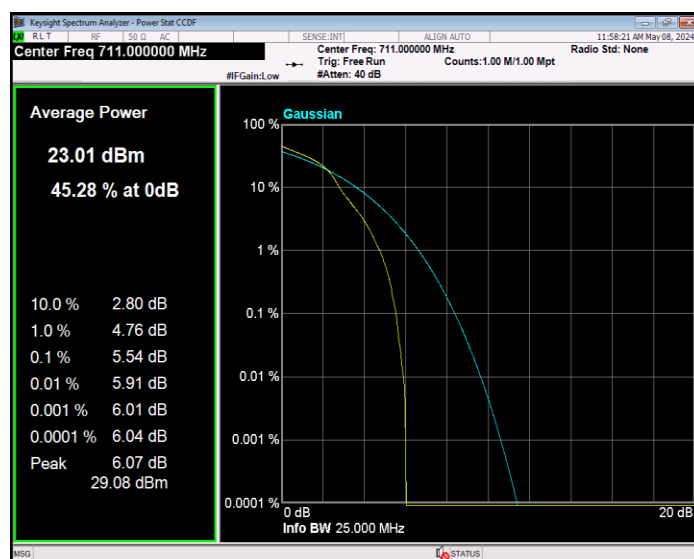
Band12 16QAM BW=10MHz Channel=23060 RB Size=1 Position=#0



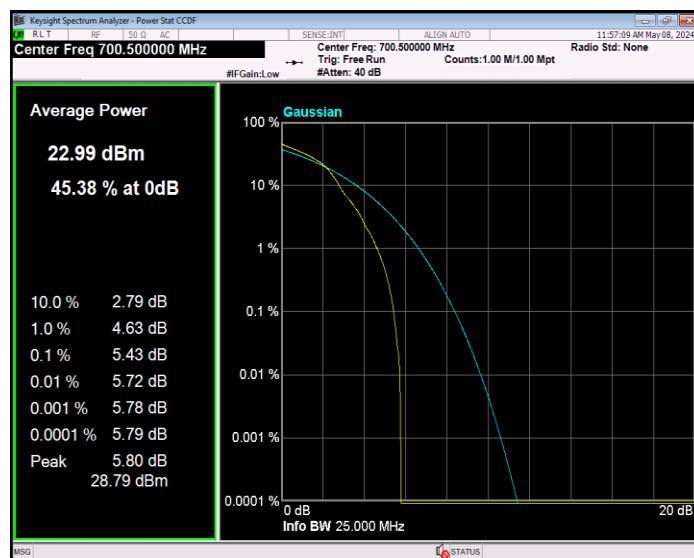
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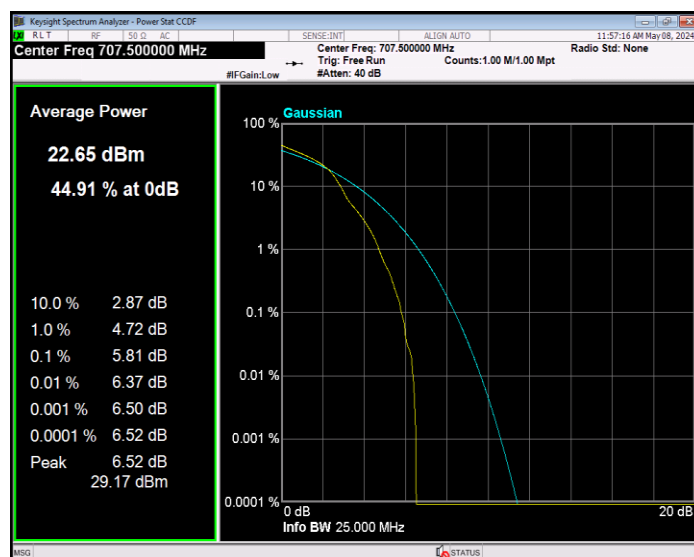
Band12 16QAM BW=10MHz Channel=23130 RB Size=1 Position=#0



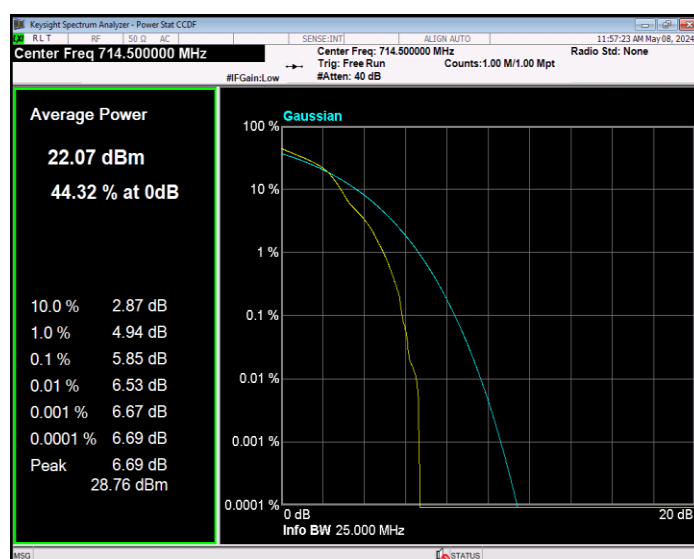
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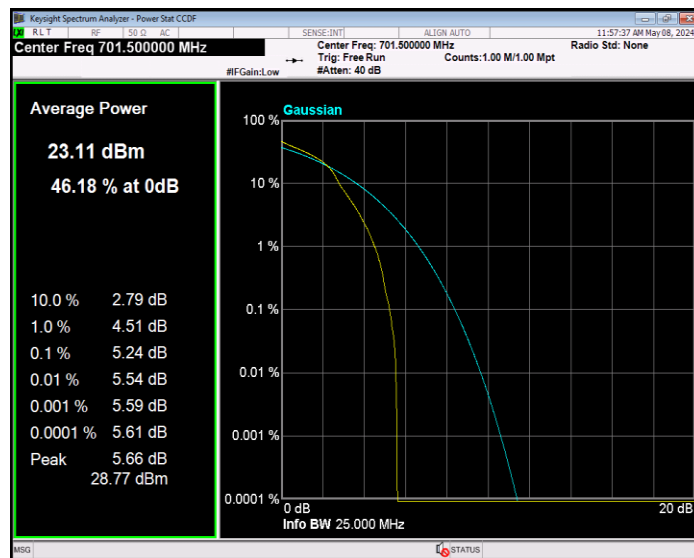
Band12 16QAM BW=3MHz Channel=23095 RB Size=1 Position=#0



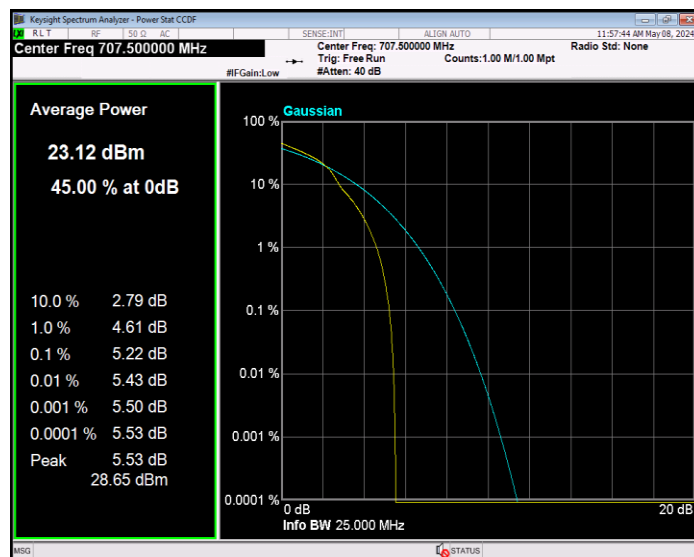
Band12 16QAM BW=3MHz Channel=23165 RB Size=1 Position=#0



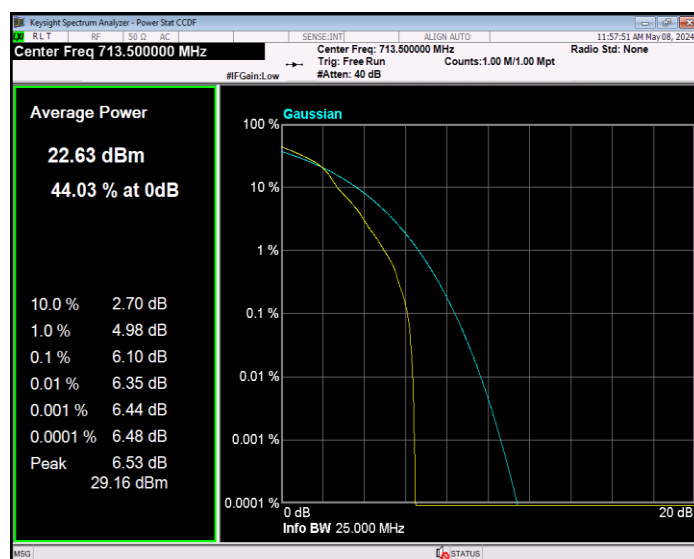
Band12 16QAM BW=5MHz Channel=23035 RB Size=1 Position=#0



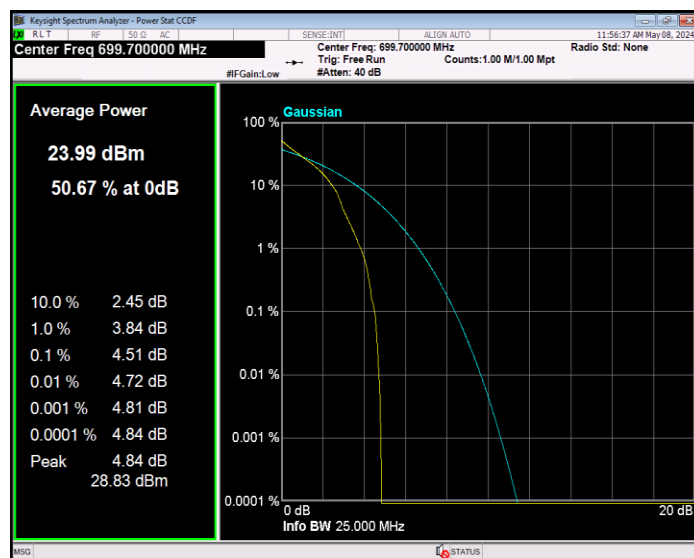
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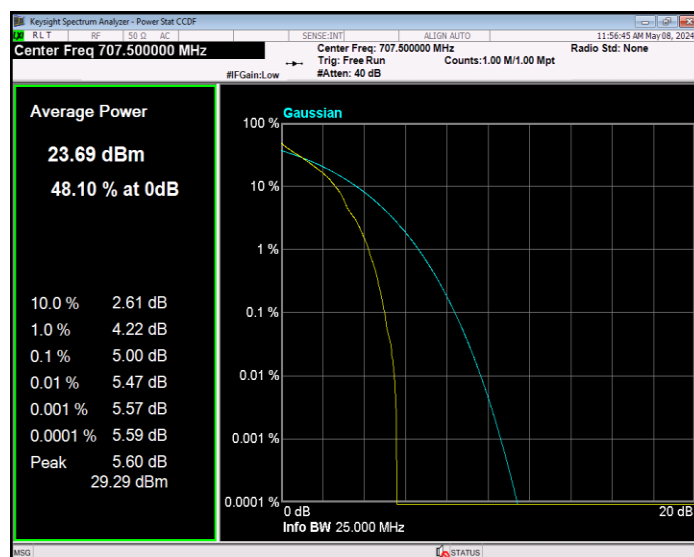
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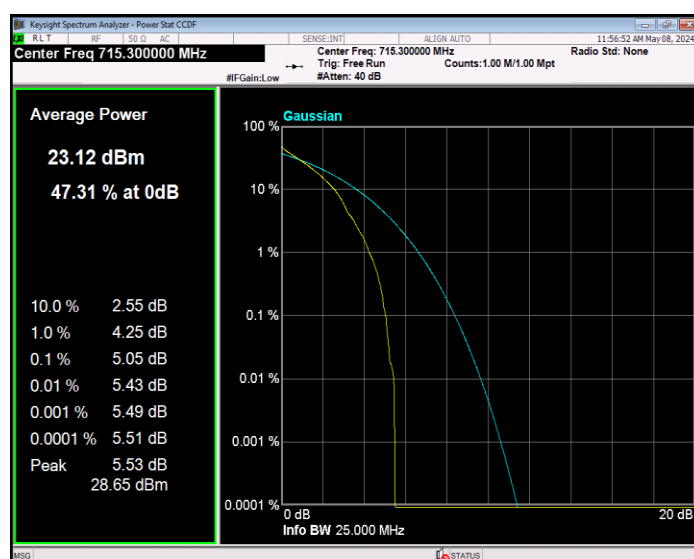
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=1 Position=#0



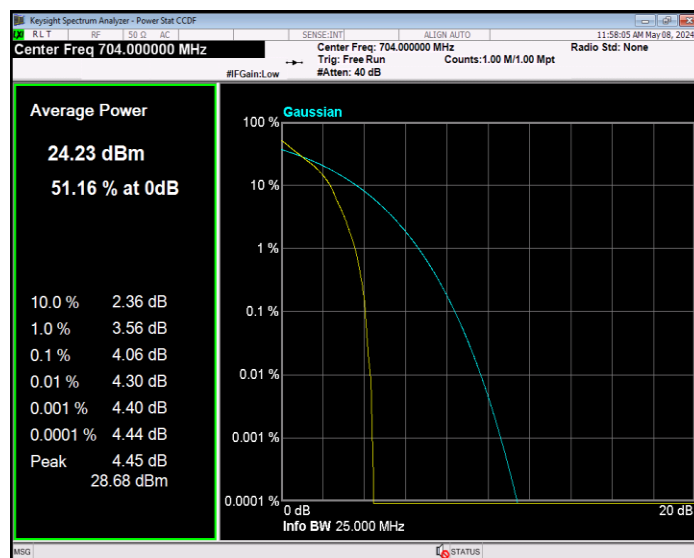
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=1 Position=#0



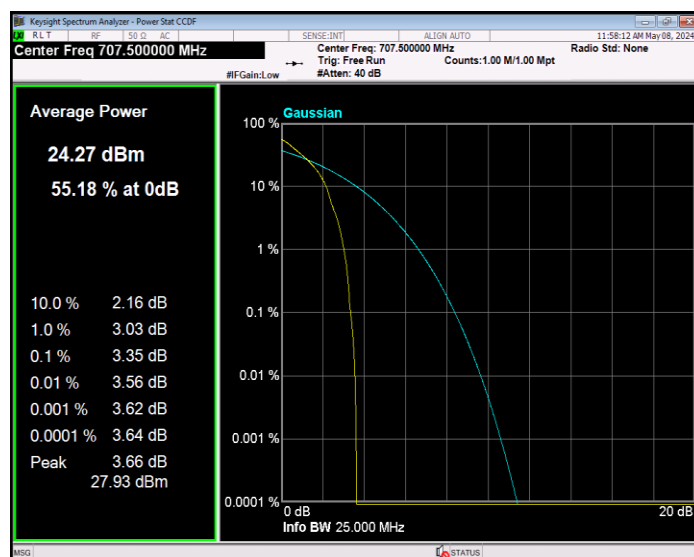
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=1 Position=#0



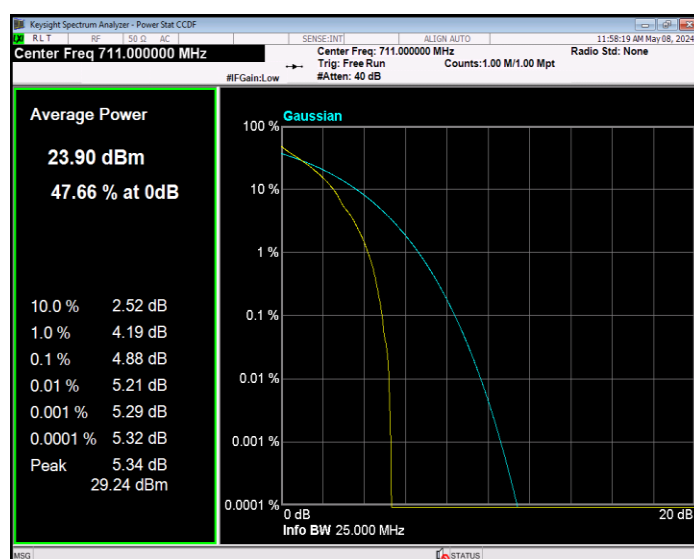
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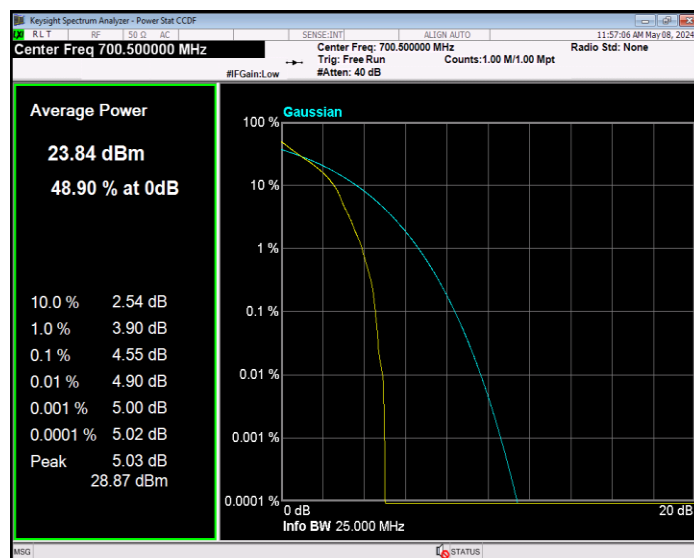
Band12 QPSK BW=10MHz Channel=23095 RB Size=1 Position=#0



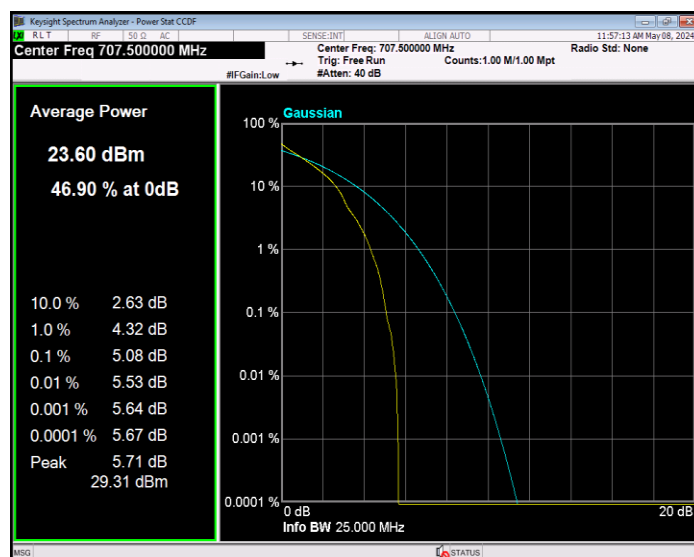
Band12 QPSK BW=10MHz Channel=23130 RB Size=1 Position=#0



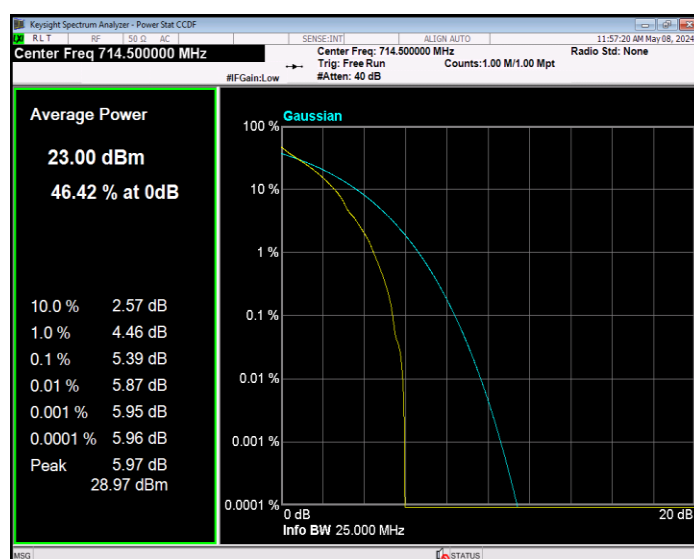
Band12 QPSK BW=3MHz Channel=23025 RB Size=1 Position=#0



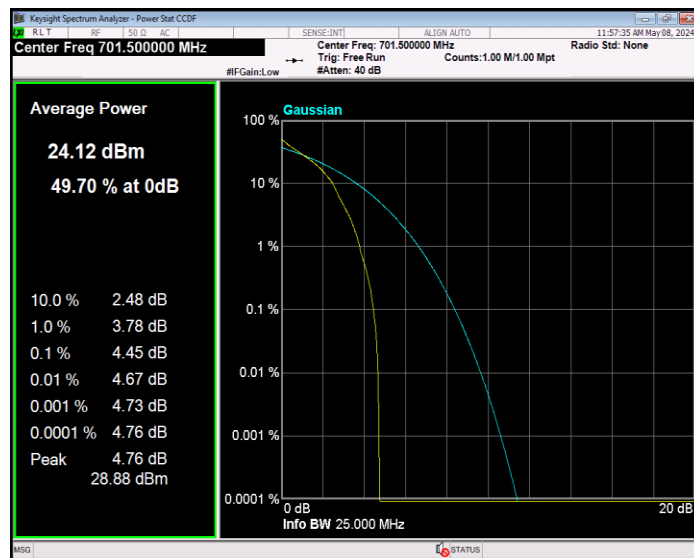
Band12 QPSK BW=3MHz Channel=23095 RB Size=1 Position=#0



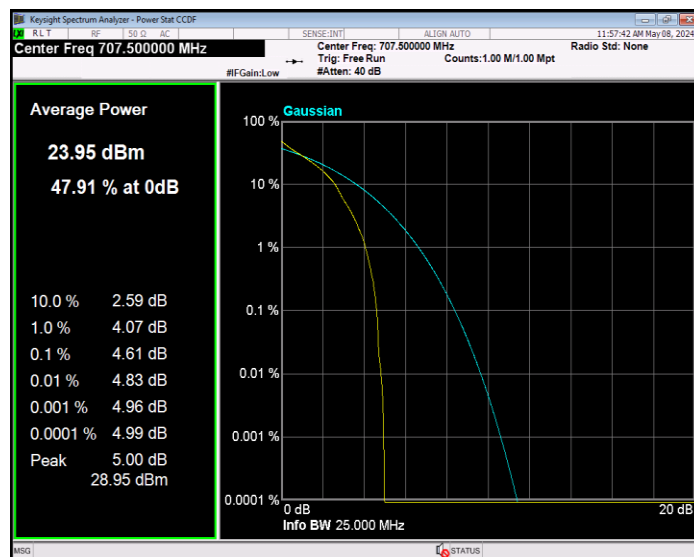
Band12 QPSK BW=3MHz Channel=23165 RB Size=1 Position=#0



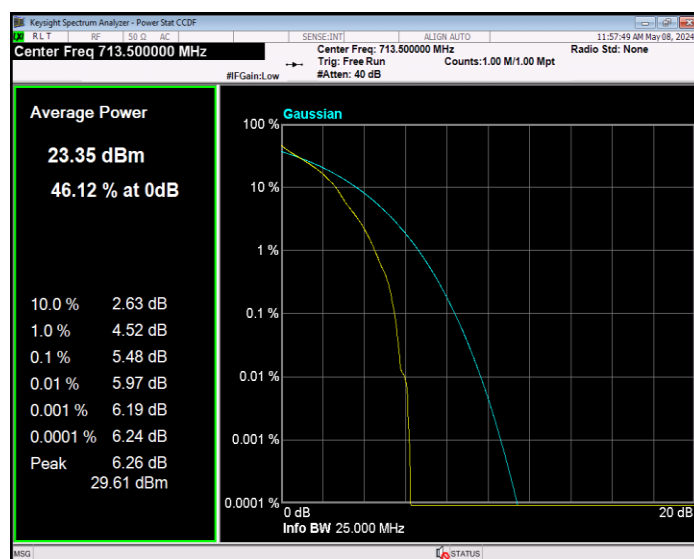
Band12 QPSK BW=5MHz Channel=23035 RB Size=1 Position=#0



Band12 QPSK BW=5MHz Channel=23095 RB Size=1 Position=#0



Band12 QPSK BW=5MHz Channel=23155 RB Size=1 Position=#0



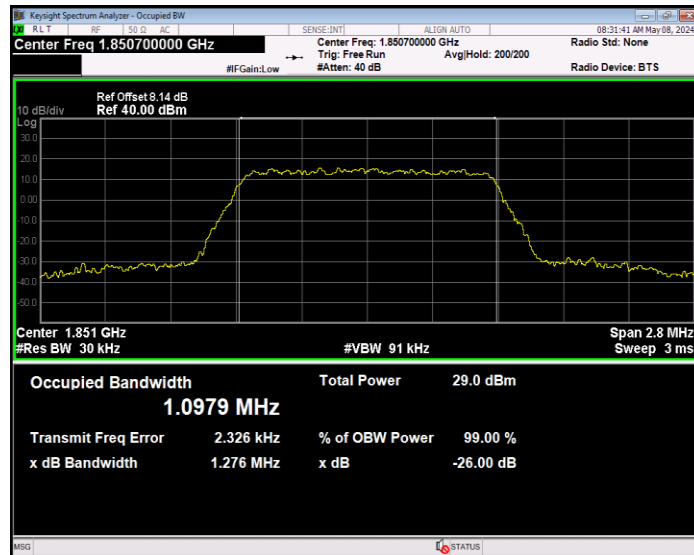
#### 4. Occupied bandwidth

| Band  | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | 99% OBW (MHz) | -26dB EBW (MHz) | Verdict |
|-------|-----------------|------------|---------|-------------|------------|---------------|-----------------|---------|
| Band2 | 1.4             | 18607      | 6       | #0          | QPSK       | 1.102         | 1.265           | PASS    |
| Band2 | 1.4             | 18607      | 6       | #0          | 16QAM      | 1.098         | 1.276           | PASS    |
| Band2 | 1.4             | 18900      | 6       | #0          | QPSK       | 1.090         | 1.272           | PASS    |
| Band2 | 1.4             | 18900      | 6       | #0          | 16QAM      | 1.102         | 1.284           | PASS    |
| Band2 | 1.4             | 19193      | 6       | #0          | QPSK       | 1.101         | 1.275           | PASS    |
| Band2 | 1.4             | 19193      | 6       | #0          | 16QAM      | 1.093         | 1.266           | PASS    |
| Band2 | 3               | 18615      | 15      | #0          | QPSK       | 2.694         | 2.959           | PASS    |
| Band2 | 3               | 18615      | 15      | #0          | 16QAM      | 2.683         | 2.987           | PASS    |
| Band2 | 3               | 18900      | 15      | #0          | QPSK       | 2.691         | 2.983           | PASS    |
| Band2 | 3               | 18900      | 15      | #0          | 16QAM      | 2.679         | 2.959           | PASS    |
| Band2 | 3               | 19185      | 15      | #0          | QPSK       | 2.700         | 2.982           | PASS    |
| Band2 | 3               | 19185      | 15      | #0          | 16QAM      | 2.685         | 2.969           | PASS    |
| Band2 | 5               | 18625      | 25      | #0          | QPSK       | 4.498         | 4.905           | PASS    |
| Band2 | 5               | 18625      | 25      | #0          | 16QAM      | 4.517         | 4.879           | PASS    |
| Band2 | 5               | 18900      | 25      | #0          | QPSK       | 4.513         | 4.909           | PASS    |
| Band2 | 5               | 18900      | 25      | #0          | 16QAM      | 4.504         | 4.918           | PASS    |
| Band2 | 5               | 19175      | 25      | #0          | QPSK       | 4.516         | 4.907           | PASS    |
| Band2 | 5               | 19175      | 25      | #0          | 16QAM      | 4.505         | 4.882           | PASS    |
| Band2 | 10              | 18650      | 50      | #0          | QPSK       | 8.953         | 9.611           | PASS    |
| Band2 | 10              | 18650      | 50      | #0          | 16QAM      | 8.941         | 9.655           | PASS    |
| Band2 | 10              | 18900      | 50      | #0          | QPSK       | 8.982         | 9.693           | PASS    |
| Band2 | 10              | 18900      | 50      | #0          | 16QAM      | 8.978         | 9.720           | PASS    |
| Band2 | 10              | 19150      | 50      | #0          | QPSK       | 8.995         | 9.612           | PASS    |
| Band2 | 10              | 19150      | 50      | #0          | 16QAM      | 8.957         | 9.676           | PASS    |
| Band2 | 15              | 18675      | 75      | #0          | QPSK       | 13.391        | 14.480          | PASS    |
| Band2 | 15              | 18675      | 75      | #0          | 16QAM      | 13.399        | 14.316          | PASS    |
| Band2 | 15              | 18900      | 75      | #0          | QPSK       | 13.499        | 14.686          | PASS    |
| Band2 | 15              | 18900      | 75      | #0          | 16QAM      | 13.474        | 14.505          | PASS    |
| Band2 | 15              | 19125      | 75      | #0          | QPSK       | 13.415        | 14.398          | PASS    |
| Band2 | 15              | 19125      | 75      | #0          | 16QAM      | 13.444        | 14.544          | PASS    |
| Band2 | 20              | 18700      | 100     | #0          | QPSK       | 17.959        | 19.196          | PASS    |
| Band2 | 20              | 18700      | 100     | #0          | 16QAM      | 17.895        | 19.220          | PASS    |
| Band2 | 20              | 18900      | 100     | #0          | QPSK       | 17.940        | 19.233          | PASS    |
| Band2 | 20              | 18900      | 100     | #0          | 16QAM      | 17.941        | 19.243          | PASS    |
| Band2 | 20              | 19100      | 100     | #0          | QPSK       | 17.938        | 19.506          | PASS    |
| Band2 | 20              | 19100      | 100     | #0          | 16QAM      | 18.006        | 19.448          | PASS    |
| Band4 | 1.4             | 19957      | 6       | #0          | QPSK       | 1.098         | 1.294           | PASS    |
| Band4 | 1.4             | 19957      | 6       | #0          | 16QAM      | 1.093         | 1.264           | PASS    |
| Band4 | 1.4             | 20175      | 6       | #0          | QPSK       | 1.099         | 1.270           | PASS    |
| Band4 | 1.4             | 20175      | 6       | #0          | 16QAM      | 1.098         | 1.278           | PASS    |
| Band4 | 1.4             | 20393      | 6       | #0          | QPSK       | 1.097         | 1.258           | PASS    |
| Band4 | 1.4             | 20393      | 6       | #0          | 16QAM      | 1.107         | 1.287           | PASS    |
| Band4 | 3               | 19965      | 15      | #0          | QPSK       | 2.683         | 2.963           | PASS    |

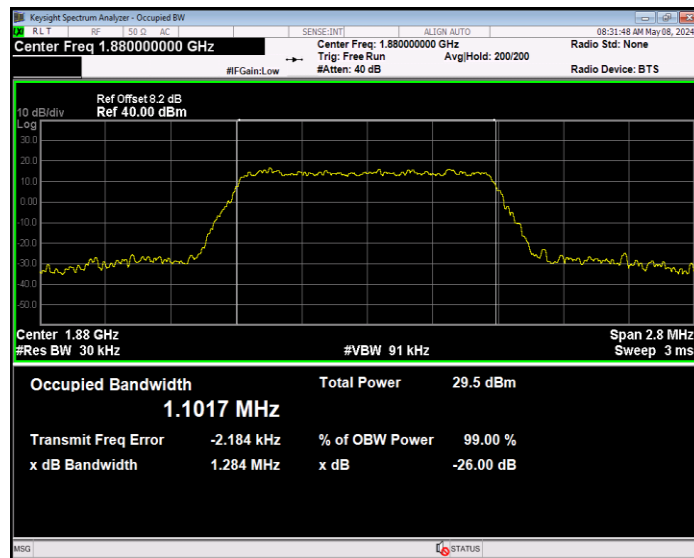
|       |     |       |     |    |       |        |        |      |
|-------|-----|-------|-----|----|-------|--------|--------|------|
| Band4 | 3   | 19965 | 15  | #0 | 16QAM | 2.680  | 2.920  | PASS |
| Band4 | 3   | 20175 | 15  | #0 | QPSK  | 2.685  | 2.971  | PASS |
| Band4 | 3   | 20175 | 15  | #0 | 16QAM | 2.685  | 2.943  | PASS |
| Band4 | 3   | 20385 | 15  | #0 | QPSK  | 2.680  | 2.962  | PASS |
| Band4 | 3   | 20385 | 15  | #0 | 16QAM | 2.690  | 2.964  | PASS |
| Band4 | 5   | 19975 | 25  | #0 | QPSK  | 4.510  | 4.893  | PASS |
| Band4 | 5   | 19975 | 25  | #0 | 16QAM | 4.508  | 4.934  | PASS |
| Band4 | 5   | 20175 | 25  | #0 | QPSK  | 4.525  | 4.878  | PASS |
| Band4 | 5   | 20175 | 25  | #0 | 16QAM | 4.510  | 4.875  | PASS |
| Band4 | 5   | 20375 | 25  | #0 | QPSK  | 4.521  | 4.916  | PASS |
| Band4 | 5   | 20375 | 25  | #0 | 16QAM | 4.513  | 4.910  | PASS |
| Band4 | 10  | 20000 | 50  | #0 | QPSK  | 8.962  | 9.669  | PASS |
| Band4 | 10  | 20000 | 50  | #0 | 16QAM | 8.977  | 9.719  | PASS |
| Band4 | 10  | 20175 | 50  | #0 | QPSK  | 8.959  | 9.669  | PASS |
| Band4 | 10  | 20175 | 50  | #0 | 16QAM | 8.957  | 9.715  | PASS |
| Band4 | 10  | 20350 | 50  | #0 | QPSK  | 8.949  | 9.676  | PASS |
| Band4 | 10  | 20350 | 50  | #0 | 16QAM | 8.979  | 9.690  | PASS |
| Band4 | 15  | 20025 | 75  | #0 | QPSK  | 13.445 | 14.397 | PASS |
| Band4 | 15  | 20025 | 75  | #0 | 16QAM | 13.375 | 14.475 | PASS |
| Band4 | 15  | 20175 | 75  | #0 | QPSK  | 13.421 | 14.421 | PASS |
| Band4 | 15  | 20175 | 75  | #0 | 16QAM | 13.419 | 14.585 | PASS |
| Band4 | 15  | 20325 | 75  | #0 | QPSK  | 13.458 | 14.603 | PASS |
| Band4 | 15  | 20325 | 75  | #0 | 16QAM | 13.481 | 14.391 | PASS |
| Band4 | 20  | 20050 | 100 | #0 | QPSK  | 17.919 | 19.101 | PASS |
| Band4 | 20  | 20050 | 100 | #0 | 16QAM | 17.864 | 19.290 | PASS |
| Band4 | 20  | 20175 | 100 | #0 | QPSK  | 17.941 | 19.232 | PASS |
| Band4 | 20  | 20175 | 100 | #0 | 16QAM | 17.926 | 19.240 | PASS |
| Band4 | 20  | 20300 | 100 | #0 | QPSK  | 17.969 | 19.240 | PASS |
| Band4 | 20  | 20300 | 100 | #0 | 16QAM | 17.982 | 19.215 | PASS |
| Band5 | 1.4 | 20407 | 6   | #0 | QPSK  | 1.097  | 1.303  | PASS |
| Band5 | 1.4 | 20407 | 6   | #0 | 16QAM | 1.097  | 1.267  | PASS |
| Band5 | 1.4 | 20525 | 6   | #0 | QPSK  | 1.095  | 1.274  | PASS |
| Band5 | 1.4 | 20525 | 6   | #0 | 16QAM | 1.091  | 1.282  | PASS |
| Band5 | 1.4 | 20643 | 6   | #0 | QPSK  | 1.092  | 1.272  | PASS |
| Band5 | 1.4 | 20643 | 6   | #0 | 16QAM | 1.093  | 1.289  | PASS |
| Band5 | 3   | 20415 | 15  | #0 | QPSK  | 2.696  | 2.991  | PASS |
| Band5 | 3   | 20415 | 15  | #0 | 16QAM | 2.694  | 2.925  | PASS |
| Band5 | 3   | 20525 | 15  | #0 | QPSK  | 2.700  | 2.987  | PASS |
| Band5 | 3   | 20525 | 15  | #0 | 16QAM | 2.686  | 2.978  | PASS |
| Band5 | 3   | 20635 | 15  | #0 | QPSK  | 2.695  | 2.970  | PASS |
| Band5 | 3   | 20635 | 15  | #0 | 16QAM | 2.677  | 2.980  | PASS |
| Band5 | 5   | 20425 | 25  | #0 | QPSK  | 4.514  | 4.877  | PASS |
| Band5 | 5   | 20425 | 25  | #0 | 16QAM | 4.528  | 4.895  | PASS |
| Band5 | 5   | 20525 | 25  | #0 | QPSK  | 4.504  | 4.858  | PASS |
| Band5 | 5   | 20525 | 25  | #0 | 16QAM | 4.515  | 4.886  | PASS |

|        |     |       |    |    |       |       |       |      |
|--------|-----|-------|----|----|-------|-------|-------|------|
| Band5  | 5   | 20625 | 25 | #0 | QPSK  | 4.507 | 4.909 | PASS |
| Band5  | 5   | 20625 | 25 | #0 | 16QAM | 4.502 | 4.861 | PASS |
| Band5  | 10  | 20450 | 50 | #0 | QPSK  | 8.932 | 9.562 | PASS |
| Band5  | 10  | 20450 | 50 | #0 | 16QAM | 8.951 | 9.561 | PASS |
| Band5  | 10  | 20525 | 50 | #0 | QPSK  | 9.012 | 9.737 | PASS |
| Band5  | 10  | 20525 | 50 | #0 | 16QAM | 9.018 | 9.710 | PASS |
| Band5  | 10  | 20600 | 50 | #0 | QPSK  | 8.921 | 9.635 | PASS |
| Band5  | 10  | 20600 | 50 | #0 | 16QAM | 8.934 | 9.560 | PASS |
| Band12 | 1.4 | 23017 | 6  | #0 | QPSK  | 1.099 | 1.291 | PASS |
| Band12 | 1.4 | 23017 | 6  | #0 | 16QAM | 1.100 | 1.300 | PASS |
| Band12 | 1.4 | 23095 | 6  | #0 | QPSK  | 1.099 | 1.295 | PASS |
| Band12 | 1.4 | 23095 | 6  | #0 | 16QAM | 1.091 | 1.265 | PASS |
| Band12 | 1.4 | 23173 | 6  | #0 | QPSK  | 1.105 | 1.261 | PASS |
| Band12 | 1.4 | 23173 | 6  | #0 | 16QAM | 1.100 | 1.268 | PASS |
| Band12 | 3   | 23025 | 15 | #0 | QPSK  | 2.699 | 2.955 | PASS |
| Band12 | 3   | 23025 | 15 | #0 | 16QAM | 2.681 | 2.975 | PASS |
| Band12 | 3   | 23095 | 15 | #0 | QPSK  | 2.687 | 2.973 | PASS |
| Band12 | 3   | 23095 | 15 | #0 | 16QAM | 2.673 | 2.937 | PASS |
| Band12 | 3   | 23165 | 15 | #0 | QPSK  | 2.689 | 2.967 | PASS |
| Band12 | 3   | 23165 | 15 | #0 | 16QAM | 2.683 | 2.951 | PASS |
| Band12 | 5   | 23035 | 25 | #0 | QPSK  | 4.513 | 4.904 | PASS |
| Band12 | 5   | 23035 | 25 | #0 | 16QAM | 4.521 | 4.961 | PASS |
| Band12 | 5   | 23095 | 25 | #0 | QPSK  | 4.506 | 4.908 | PASS |
| Band12 | 5   | 23095 | 25 | #0 | 16QAM | 4.510 | 4.923 | PASS |
| Band12 | 5   | 23155 | 25 | #0 | QPSK  | 4.501 | 4.915 | PASS |
| Band12 | 5   | 23155 | 25 | #0 | 16QAM | 4.514 | 4.899 | PASS |
| Band12 | 10  | 23060 | 50 | #0 | QPSK  | 8.987 | 9.721 | PASS |
| Band12 | 10  | 23060 | 50 | #0 | 16QAM | 9.004 | 9.716 | PASS |
| Band12 | 10  | 23095 | 50 | #0 | QPSK  | 8.952 | 9.726 | PASS |
| Band12 | 10  | 23095 | 50 | #0 | 16QAM | 8.955 | 9.738 | PASS |
| Band12 | 10  | 23130 | 50 | #0 | QPSK  | 9.008 | 9.632 | PASS |
| Band12 | 10  | 23130 | 50 | #0 | 16QAM | 8.964 | 9.623 | PASS |

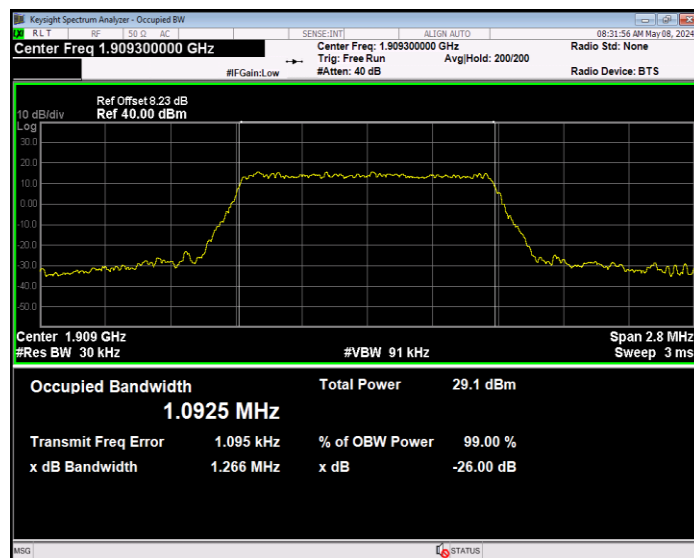
Band2 16QAM BW=1.4MHz Channel=18607 RB Size=6 Position=#0



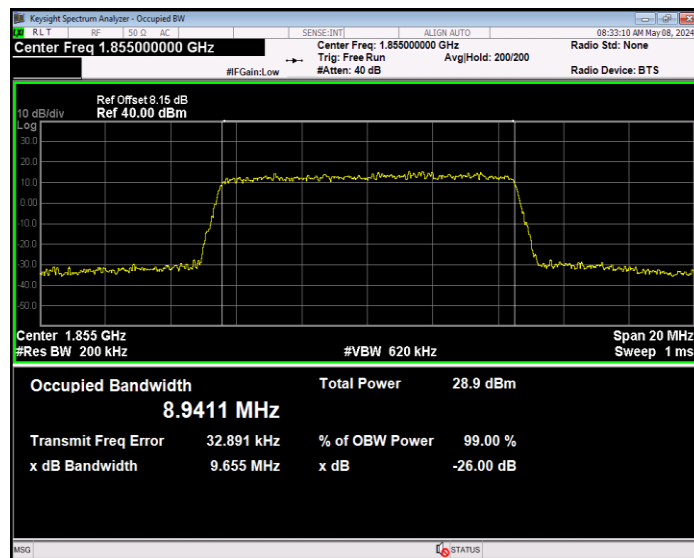
Band2 16QAM BW=1.4MHz Channel=18900 RB Size=6 Position=#0



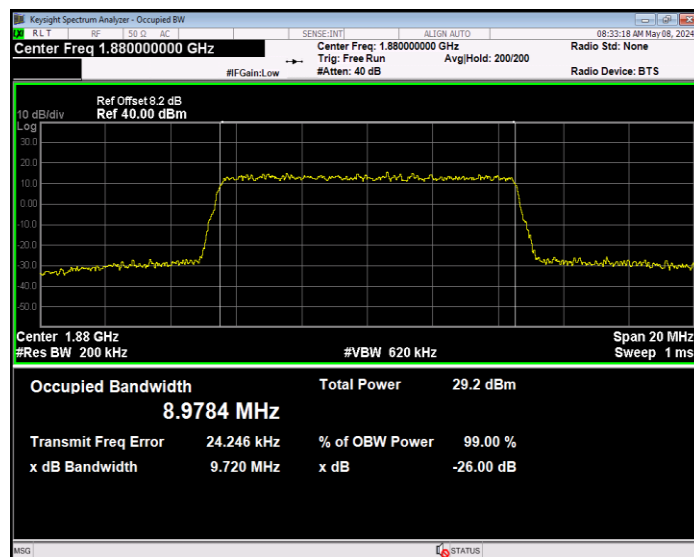
Band2 16QAM BW=1.4MHz Channel=19193 RB Size=6 Position=#0



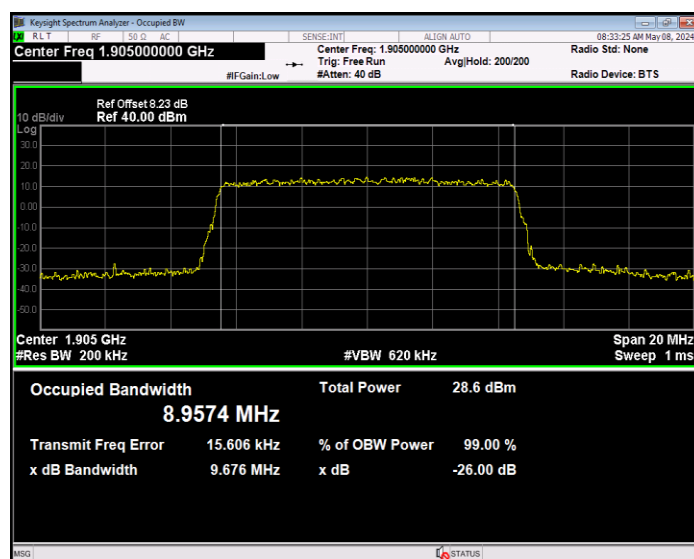
Band2 16QAM BW=10MHz Channel=18650 RB Size=50 Position=#0



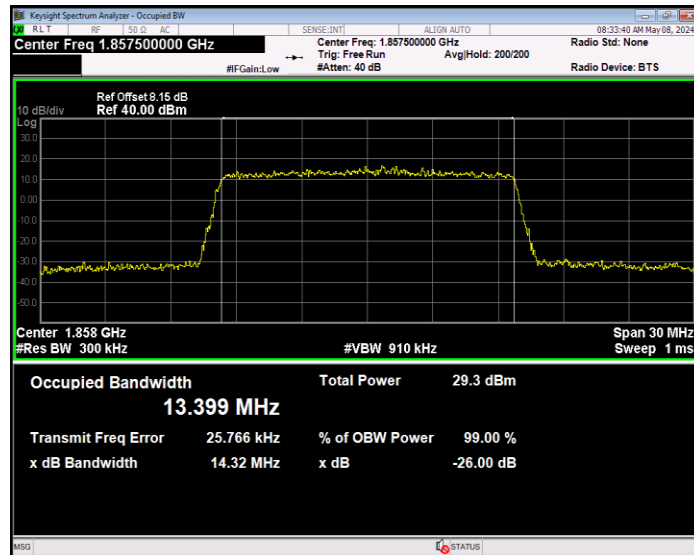
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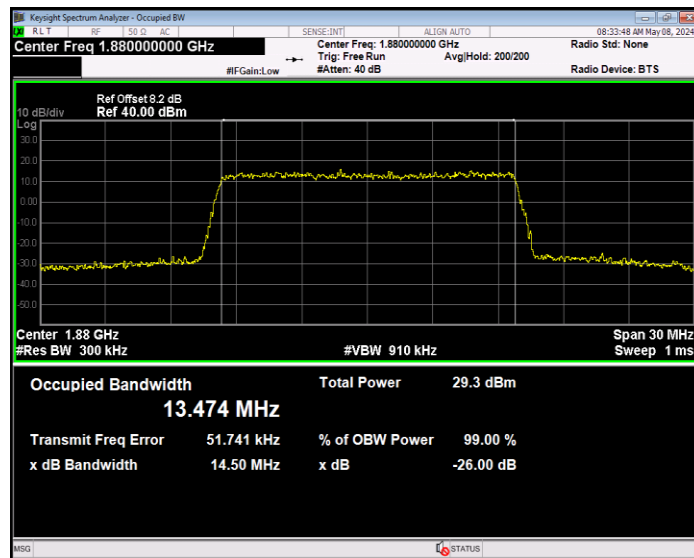
Band2 16QAM BW=10MHz Channel=19150 RB Size=50 Position=#0



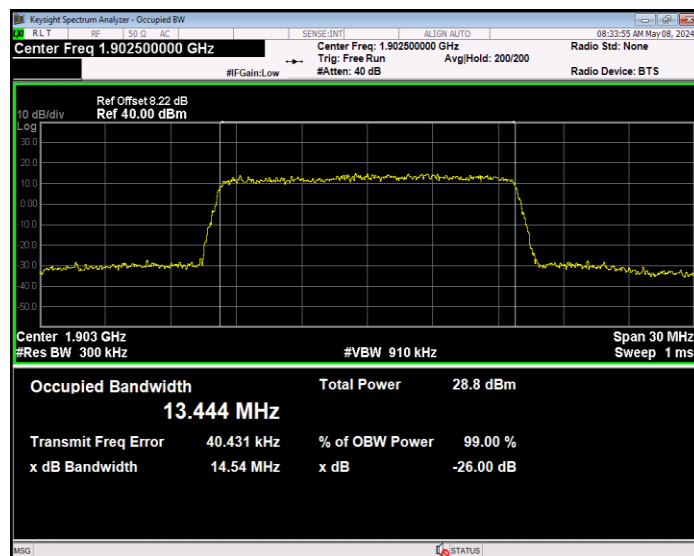
Band2 16QAM BW=15MHz Channel=18675 RB Size=75 Position=#0



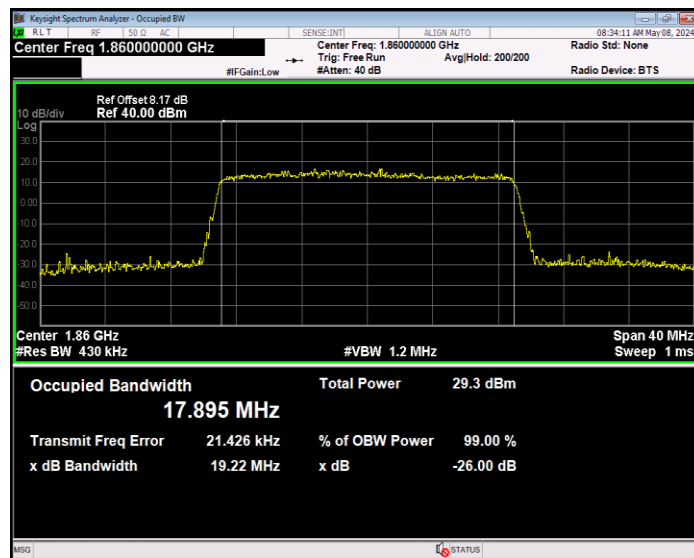
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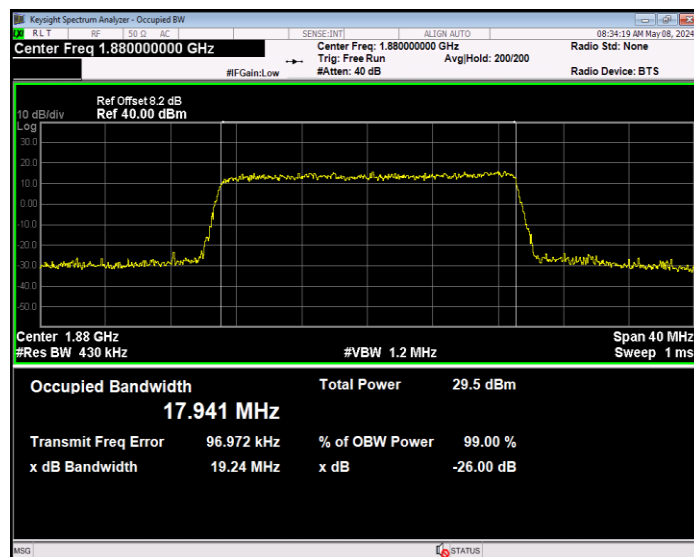
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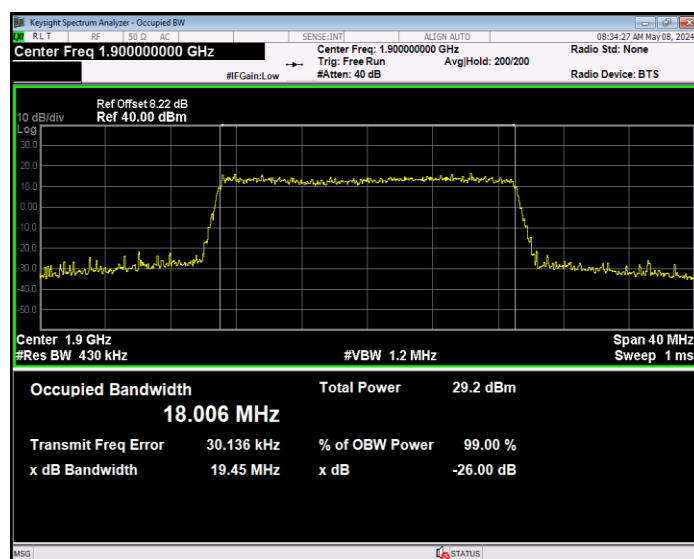
Band2 16QAM BW=20MHz Channel=18700 RB Size=100 Position=#0



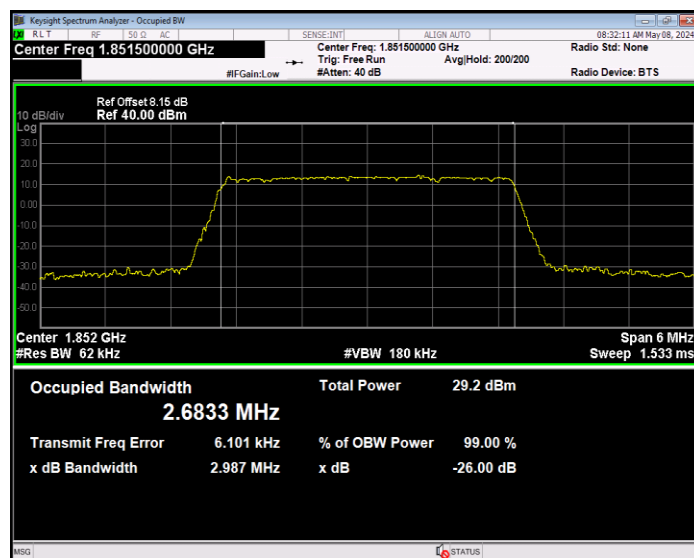
Band2 16QAM BW=20MHz Channel=18900 RB Size=100 Position=#0



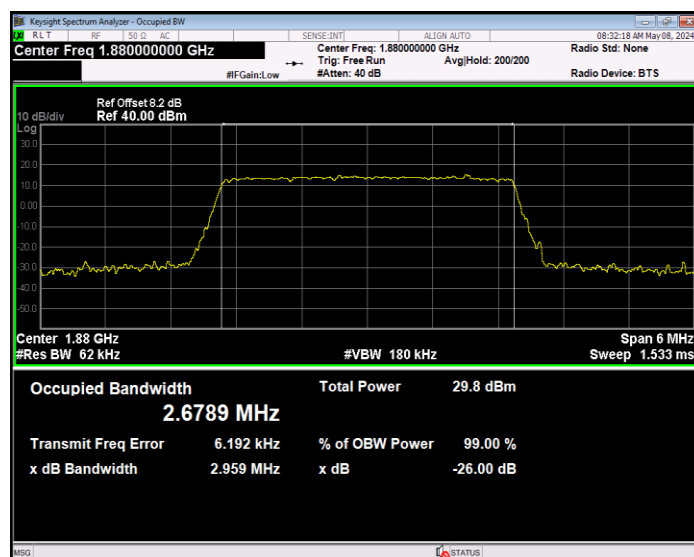
Band2 16QAM BW=20MHz Channel=19100 RB Size=100 Position=#0



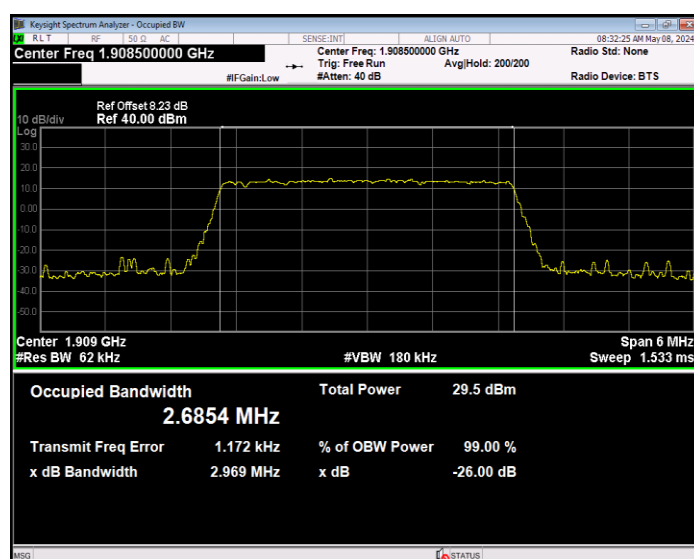
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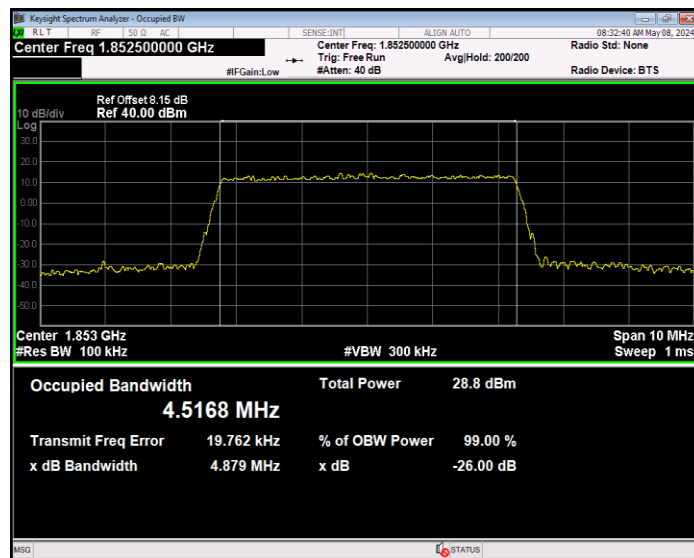
Band2 16QAM BW=3MHz Channel=18900 RB Size=15 Position=#0



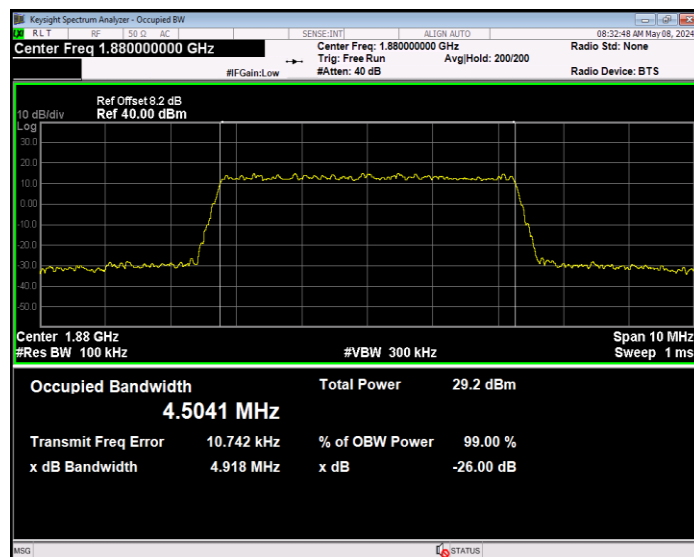
Band2 16QAM BW=3MHz Channel=19185 RB Size=15 Position=#0



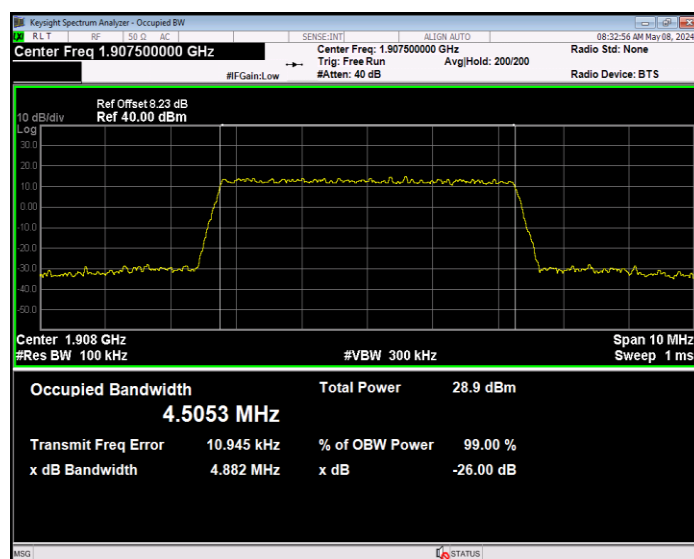
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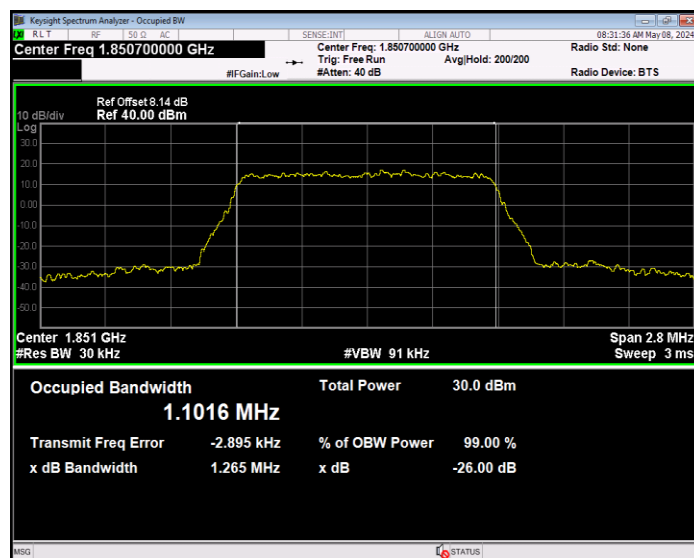
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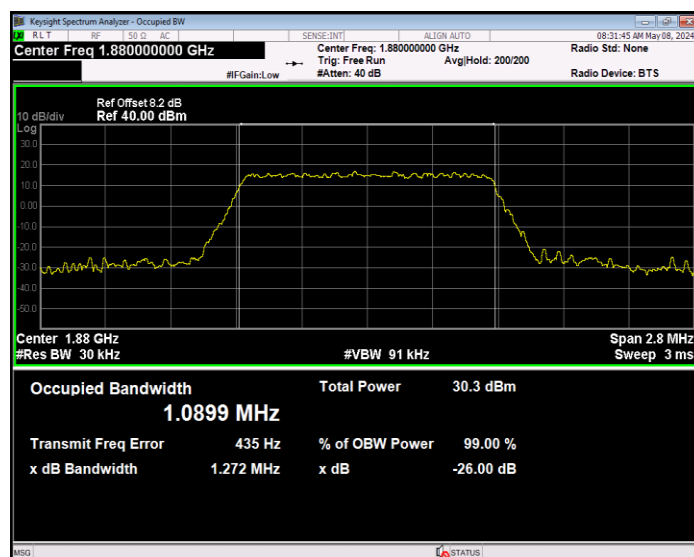
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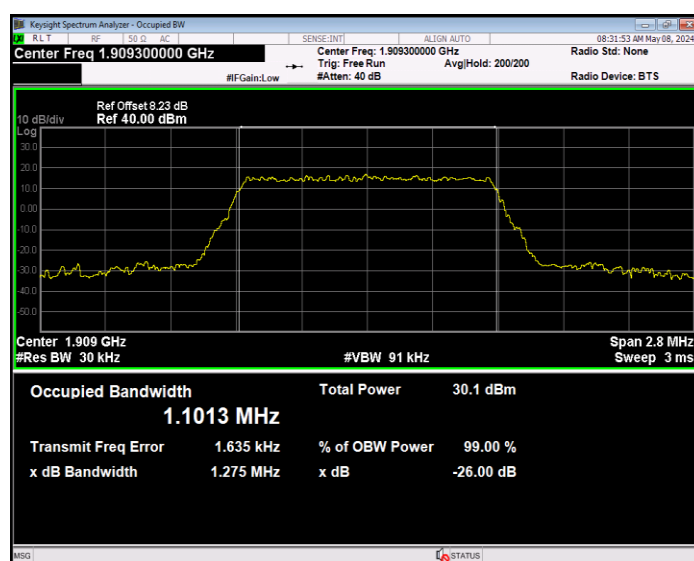
Band2 QPSK BW=1.4MHz Channel=18607 RB Size=6 Position=#0



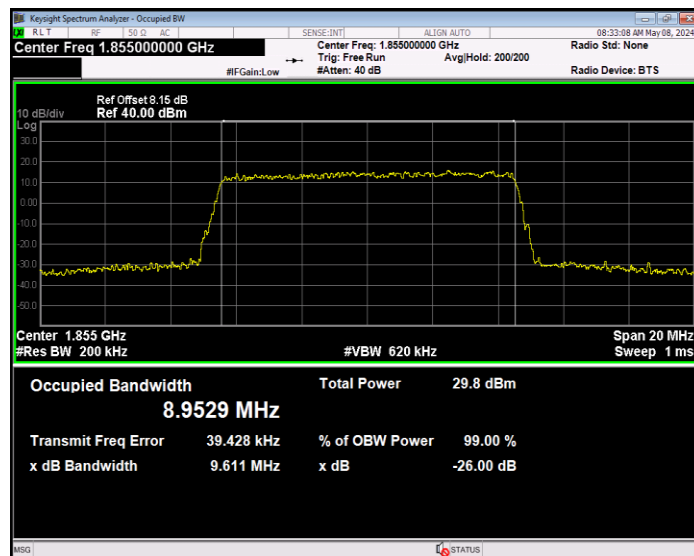
Band2 QPSK BW=1.4MHz Channel=18900 RB Size=6 Position=#0



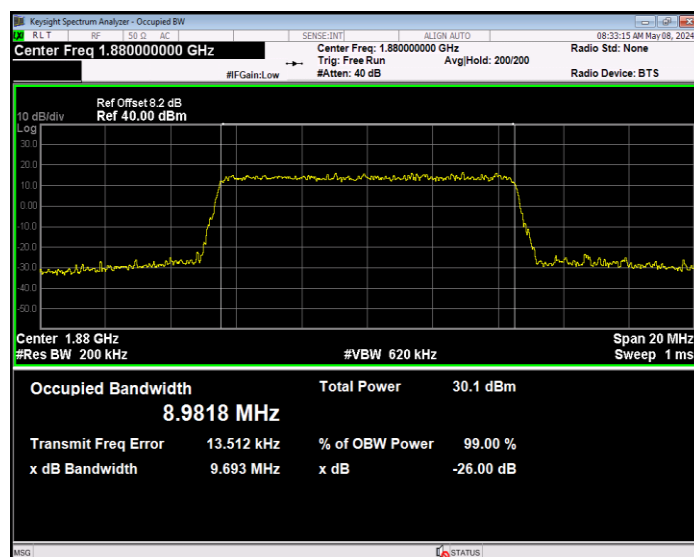
Band2 QPSK BW=1.4MHz Channel=19193 RB Size=6 Position=#0



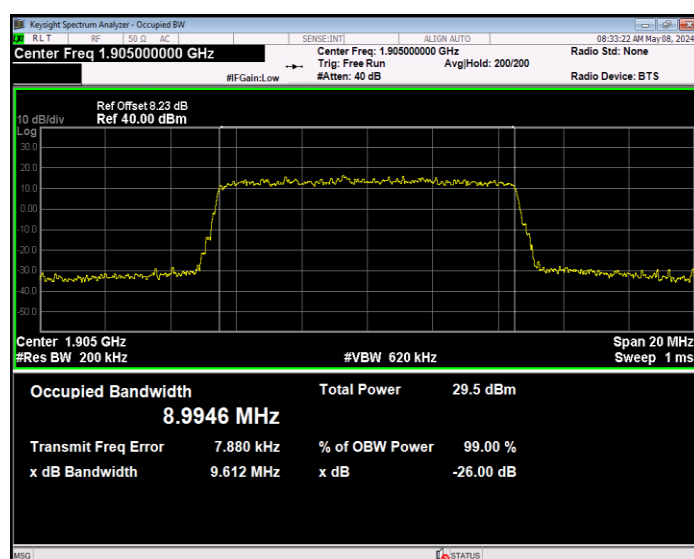
Band2 QPSK BW=10MHz Channel=18650 RB Size=50 Position=#0



Band2 QPSK BW=10MHz Channel=18900 RB Size=50 Position=#0



Band2 QPSK BW=10MHz Channel=19150 RB Size=50 Position=#0



Band2 QPSK BW=15MHz Channel=18675 RB Size=75 Position=#0