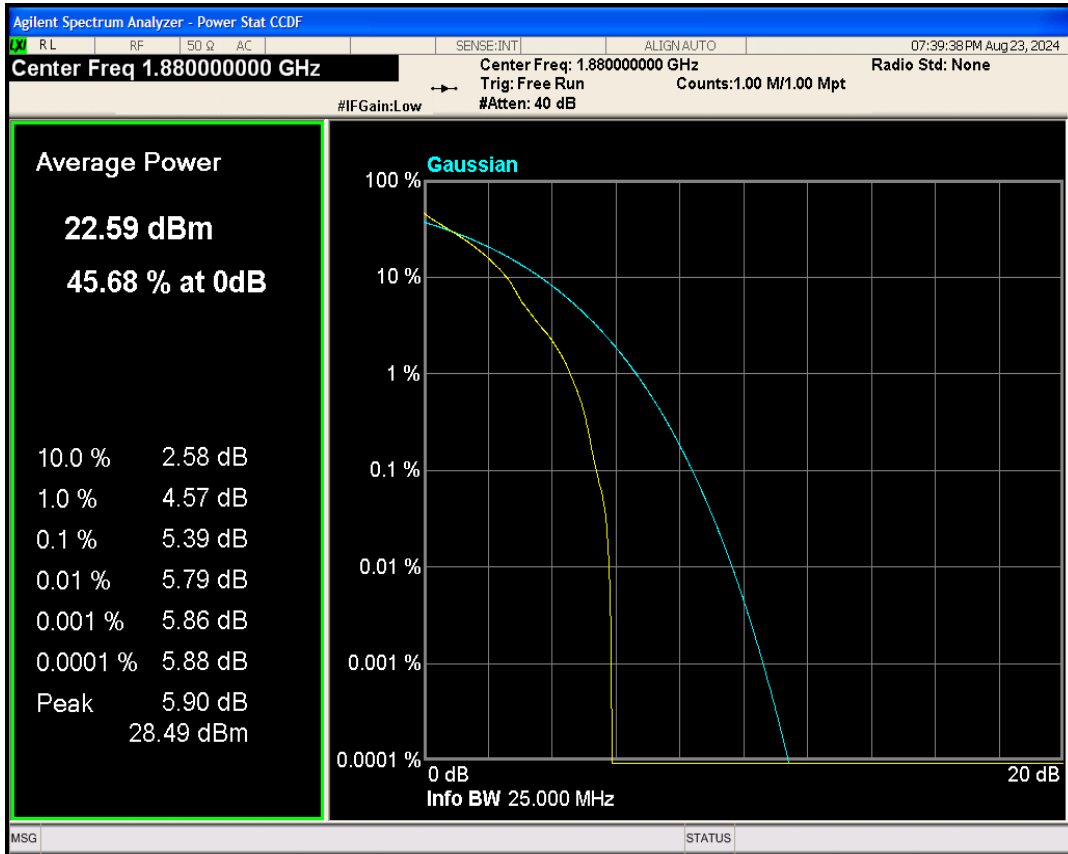
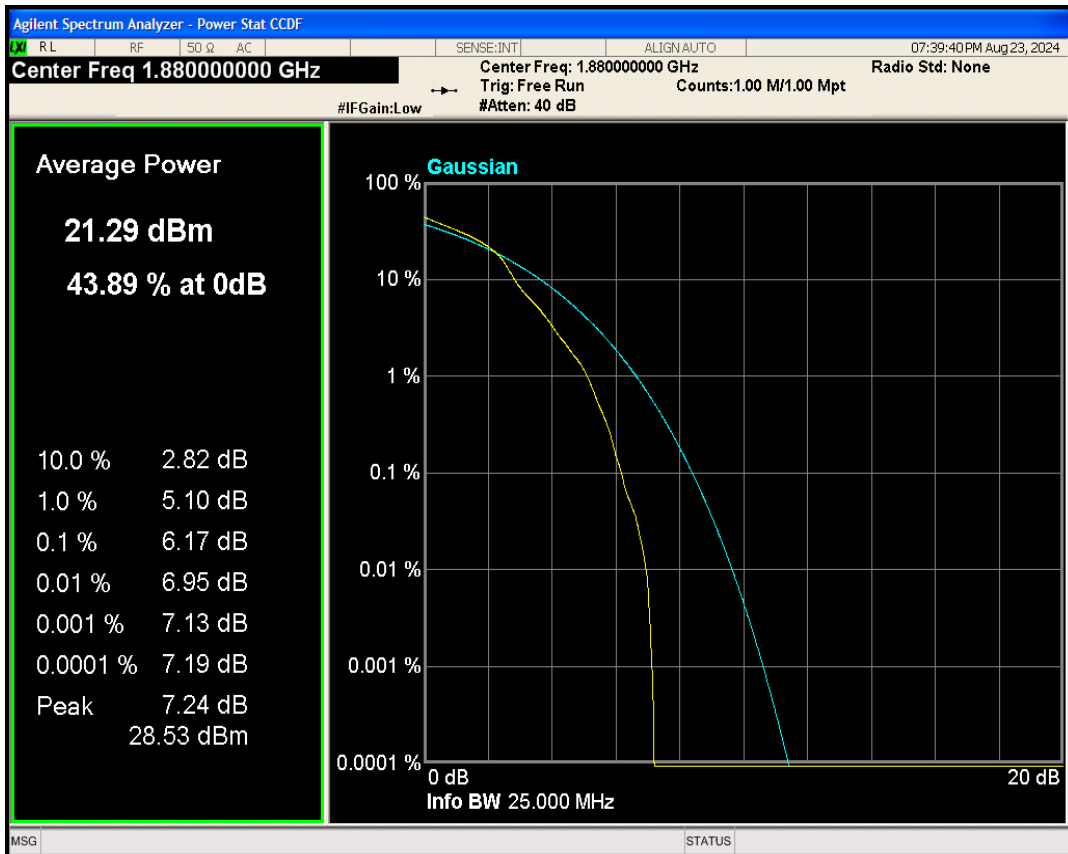
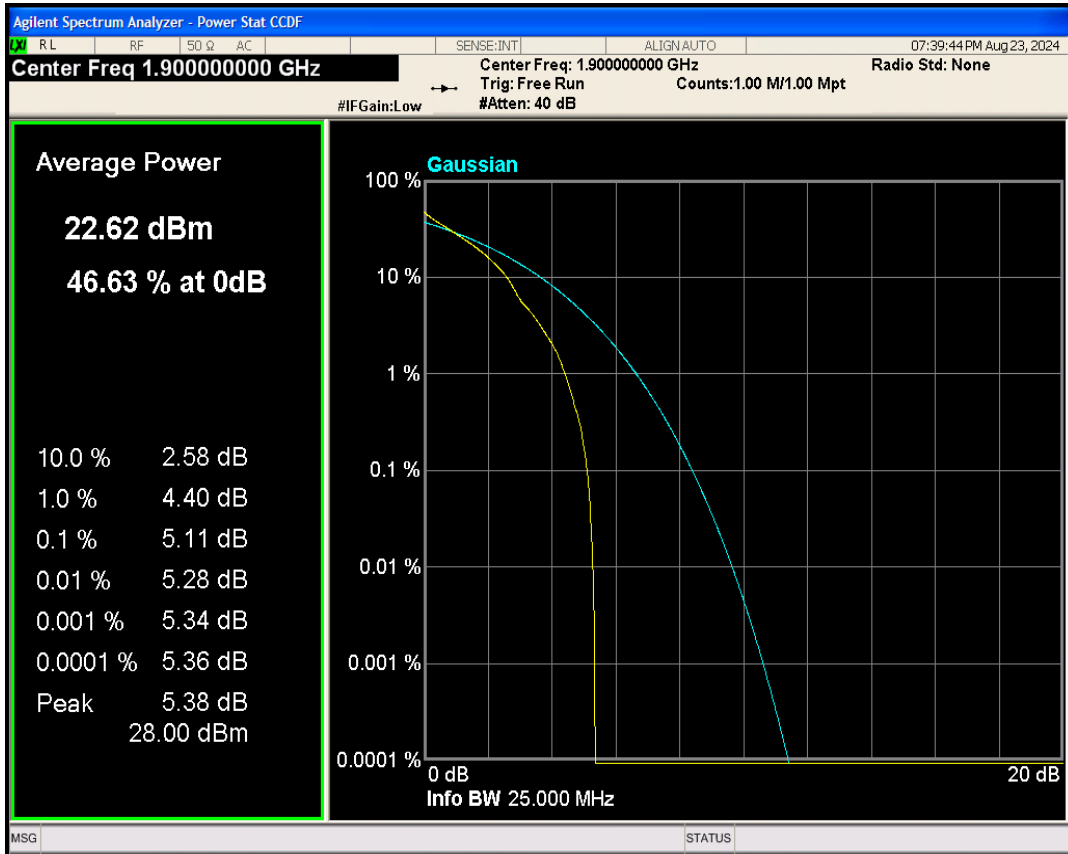




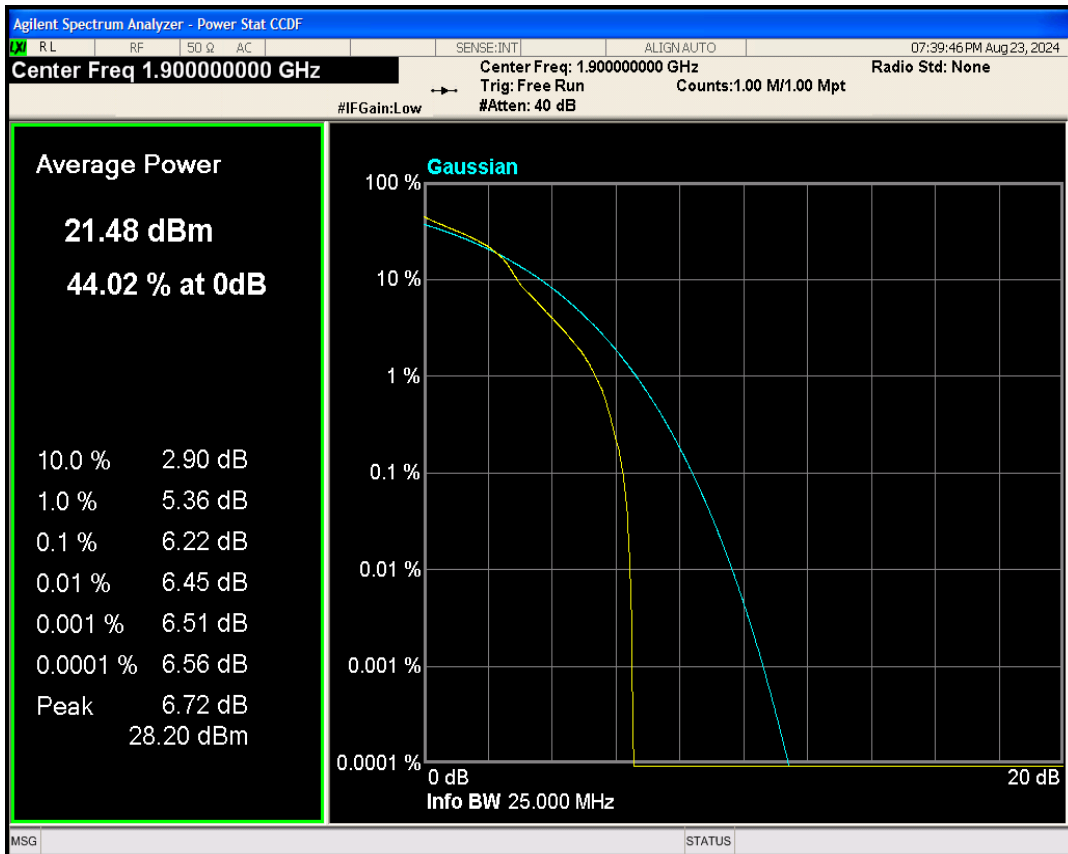
Band2 16QAM BW=20MHz Channel=18900 RB Size=1 Position=#0



Band2 QPSK BW=20MHz Channel=19100 RB Size=1 Position=#0



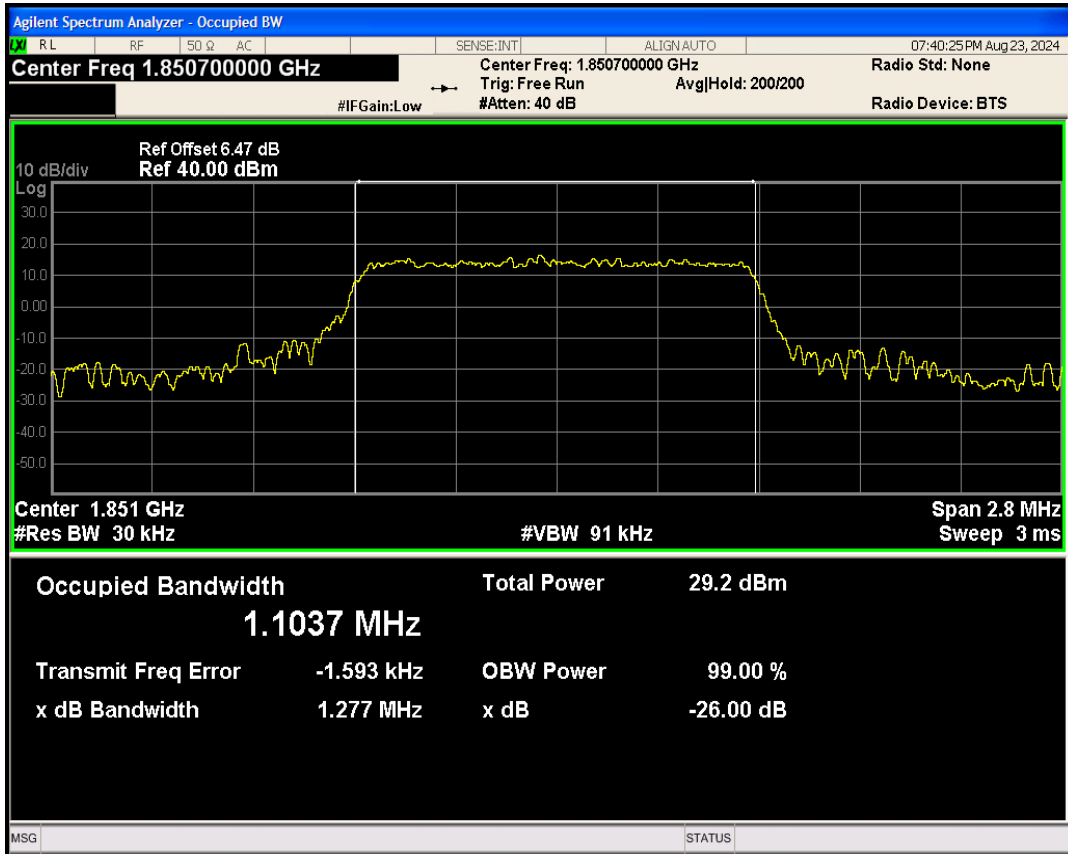
Band2 16QAM BW=20MHz Channel=19100 RB Size=1 Position=#0



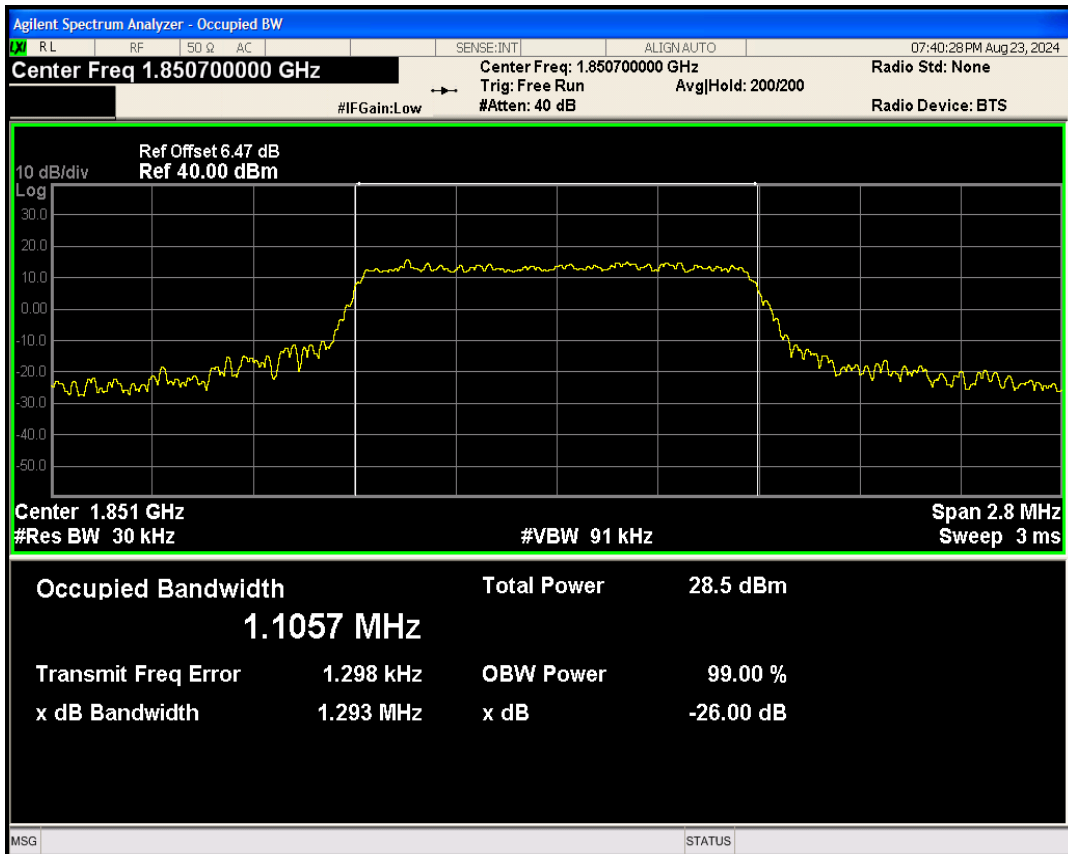
#### Appendix 4. Occupied bandwidth

| Band  | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | 99% OBW (MHz) | -26dB EBW (MHz) | Verdict |
|-------|-----------------|------------|---------|-------------|------------|---------------|-----------------|---------|
| Band2 | 1.4             | 18607      | 6       | #0          | QPSK       | 1.104         | 1.277           | PASS    |
| Band2 | 1.4             | 18607      | 6       | #0          | 16QAM      | 1.106         | 1.293           | PASS    |
| Band2 | 1.4             | 18900      | 6       | #0          | QPSK       | 1.090         | 1.284           | PASS    |
| Band2 | 1.4             | 18900      | 6       | #0          | 16QAM      | 1.102         | 1.357           | PASS    |
| Band2 | 1.4             | 19193      | 6       | #0          | QPSK       | 1.105         | 1.339           | PASS    |
| Band2 | 1.4             | 19193      | 6       | #0          | 16QAM      | 1.106         | 1.344           | PASS    |
| Band2 | 3               | 18615      | 15      | #0          | QPSK       | 2.705         | 3.178           | PASS    |
| Band2 | 3               | 18615      | 15      | #0          | 16QAM      | 2.703         | 3.231           | PASS    |
| Band2 | 3               | 18900      | 15      | #0          | QPSK       | 2.717         | 3.165           | PASS    |
| Band2 | 3               | 18900      | 15      | #0          | 16QAM      | 2.713         | 3.379           | PASS    |
| Band2 | 3               | 19185      | 15      | #0          | QPSK       | 2.715         | 3.247           | PASS    |
| Band2 | 3               | 19185      | 15      | #0          | 16QAM      | 2.708         | 3.177           | PASS    |
| Band2 | 5               | 18625      | 25      | #0          | QPSK       | 4.539         | 5.062           | PASS    |
| Band2 | 5               | 18625      | 25      | #0          | 16QAM      | 4.516         | 5.077           | PASS    |
| Band2 | 5               | 18900      | 25      | #0          | QPSK       | 4.520         | 5.045           | PASS    |
| Band2 | 5               | 18900      | 25      | #0          | 16QAM      | 4.536         | 5.410           | PASS    |
| Band2 | 5               | 19175      | 25      | #0          | QPSK       | 4.512         | 5.034           | PASS    |
| Band2 | 5               | 19175      | 25      | #0          | 16QAM      | 4.537         | 5.342           | PASS    |
| Band2 | 10              | 18650      | 50      | #0          | QPSK       | 9.004         | 10.024          | PASS    |
| Band2 | 10              | 18650      | 50      | #0          | 16QAM      | 8.962         | 9.790           | PASS    |
| Band2 | 10              | 18900      | 50      | #0          | QPSK       | 9.009         | 9.942           | PASS    |
| Band2 | 10              | 18900      | 50      | #0          | 16QAM      | 9.021         | 9.810           | PASS    |
| Band2 | 10              | 19150      | 50      | #0          | QPSK       | 9.025         | 10.108          | PASS    |
| Band2 | 10              | 19150      | 50      | #0          | 16QAM      | 9.047         | 10.330          | PASS    |
| Band2 | 15              | 18675      | 75      | #0          | QPSK       | 13.463        | 15.309          | PASS    |
| Band2 | 15              | 18675      | 75      | #0          | 16QAM      | 13.505        | 14.928          | PASS    |
| Band2 | 15              | 18900      | 75      | #0          | QPSK       | 13.484        | 14.897          | PASS    |
| Band2 | 15              | 18900      | 75      | #0          | 16QAM      | 13.489        | 15.248          | PASS    |
| Band2 | 15              | 19125      | 75      | #0          | QPSK       | 13.541        | 15.440          | PASS    |
| Band2 | 15              | 19125      | 75      | #0          | 16QAM      | 13.469        | 14.831          | PASS    |
| Band2 | 20              | 18700      | 100     | #0          | QPSK       | 17.975        | 19.589          | PASS    |
| Band2 | 20              | 18700      | 100     | #0          | 16QAM      | 18.018        | 19.879          | PASS    |
| Band2 | 20              | 18900      | 100     | #0          | QPSK       | 18.071        | 19.509          | PASS    |
| Band2 | 20              | 18900      | 100     | #0          | 16QAM      | 18.026        | 19.666          | PASS    |
| Band2 | 20              | 19100      | 100     | #0          | QPSK       | 17.989        | 19.946          | PASS    |
| Band2 | 20              | 19100      | 100     | #0          | 16QAM      | 18.000        | 19.615          | PASS    |

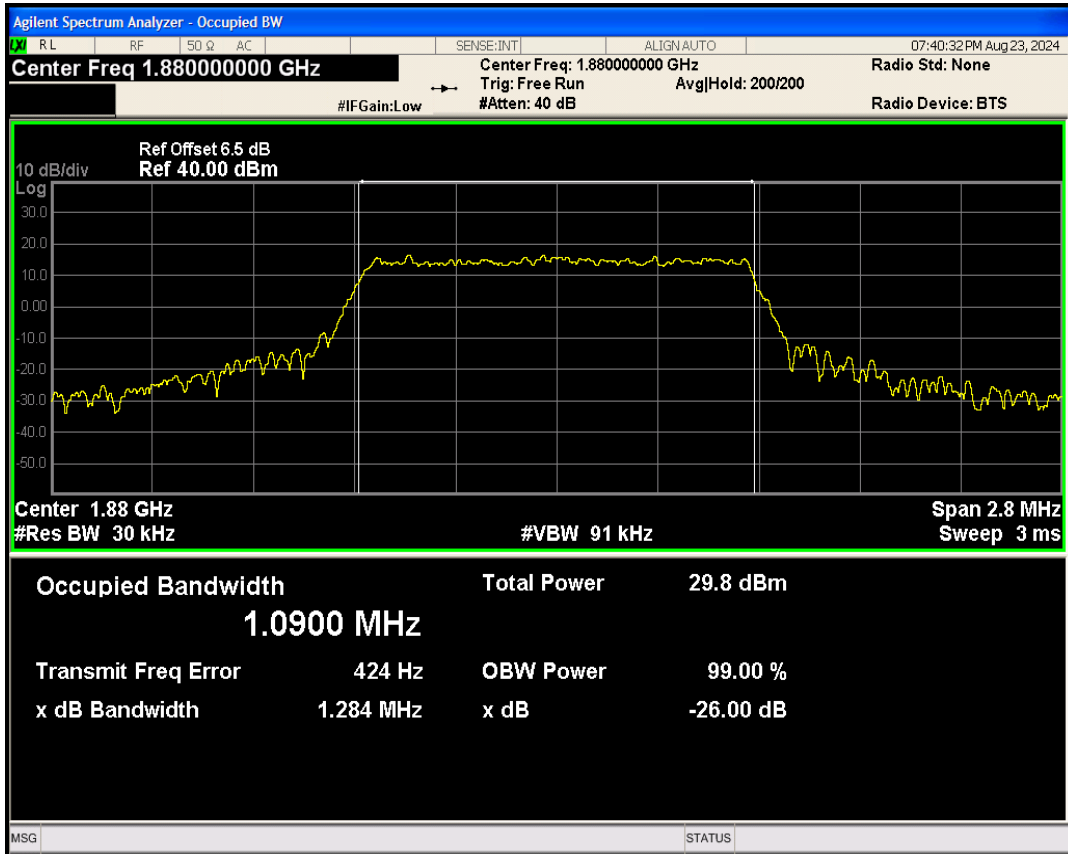
Band2 QPSK BW=1.4MHz Channel=18607 RB Size=6 Position=#0



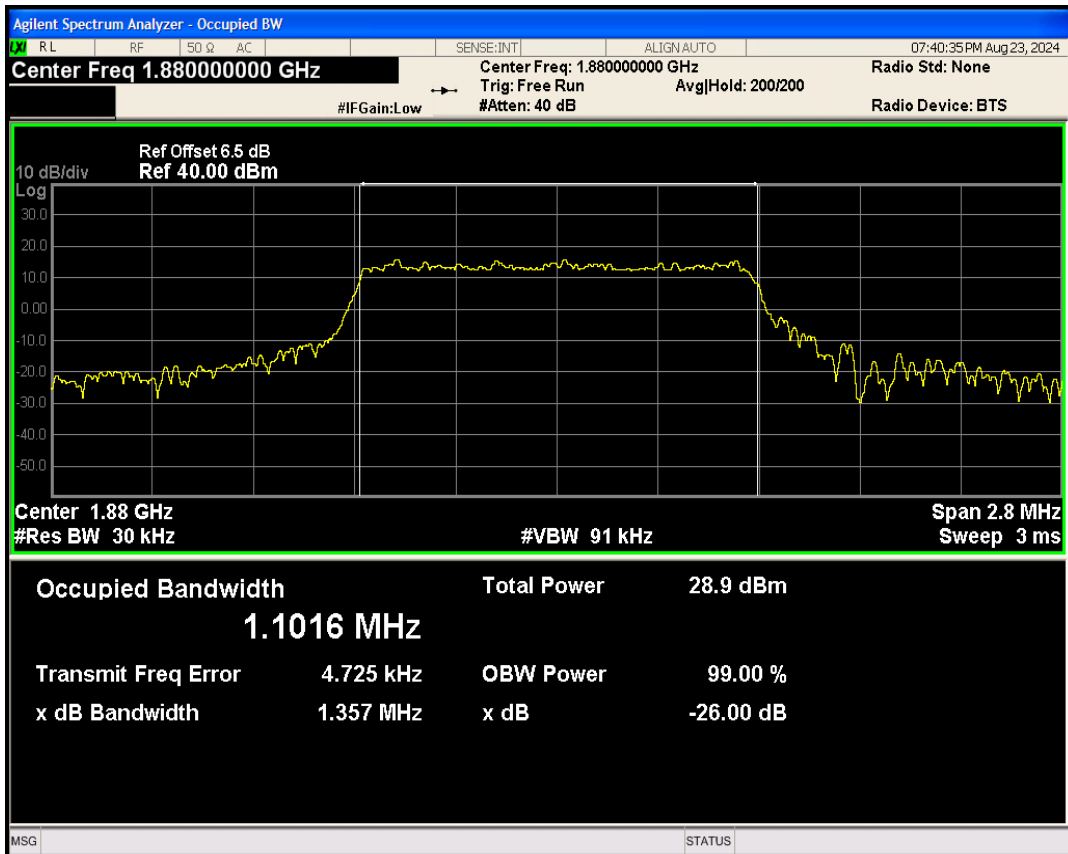
Band2 16QAM BW=1.4MHz Channel=18607 RB Size=6 Position=#0



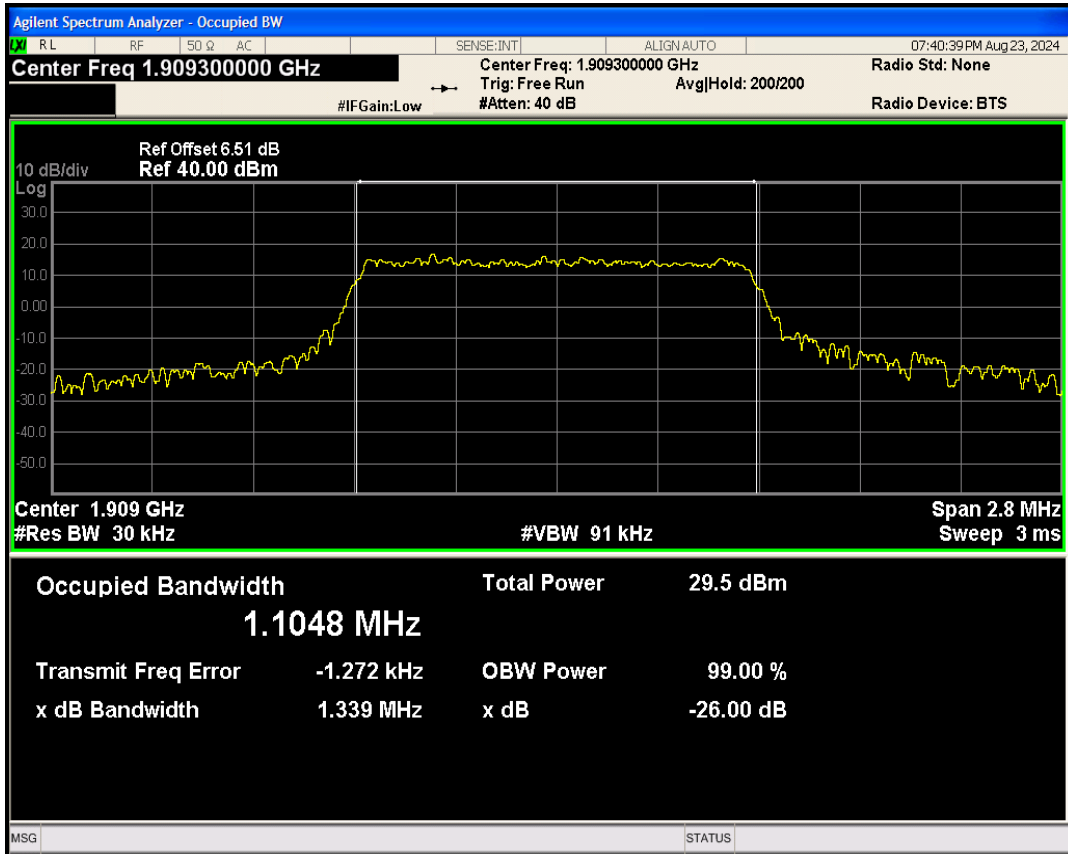
Band2 QPSK BW=1.4MHz Channel=18900 RB Size=6 Position=#0



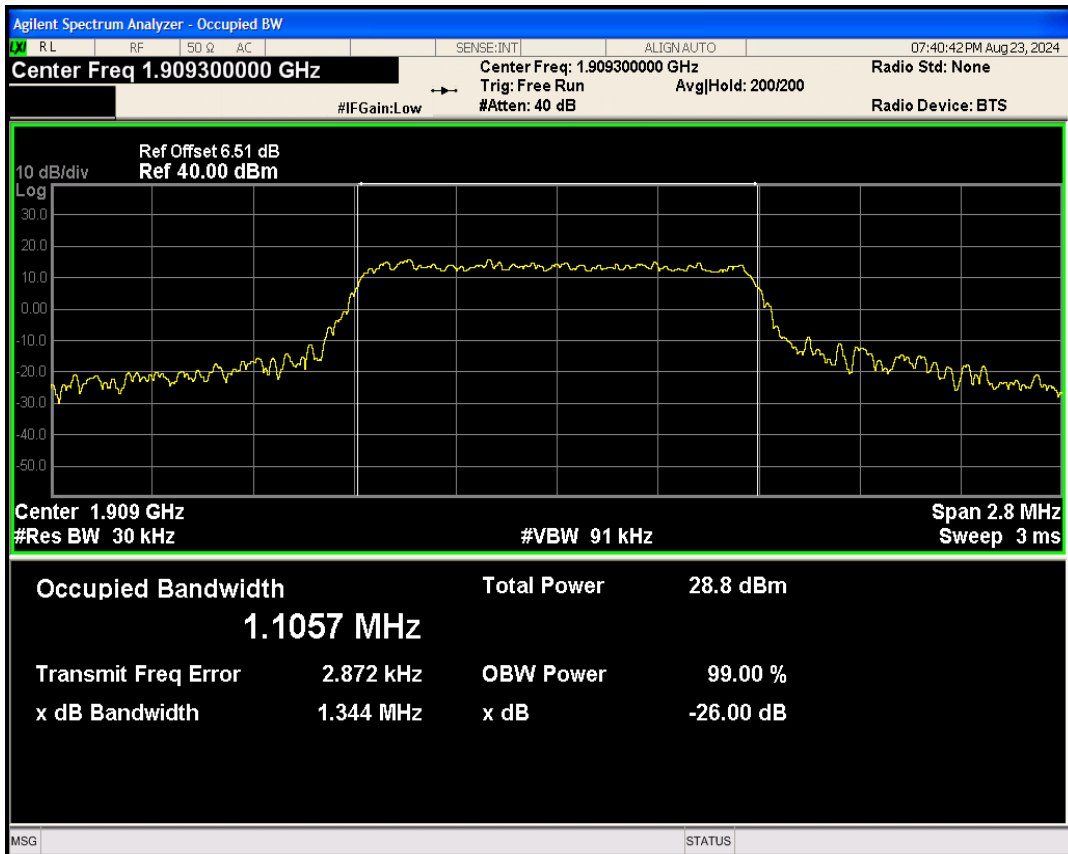
Band2 16QAM BW=1.4MHz Channel=18900 RB Size=6 Position=#0



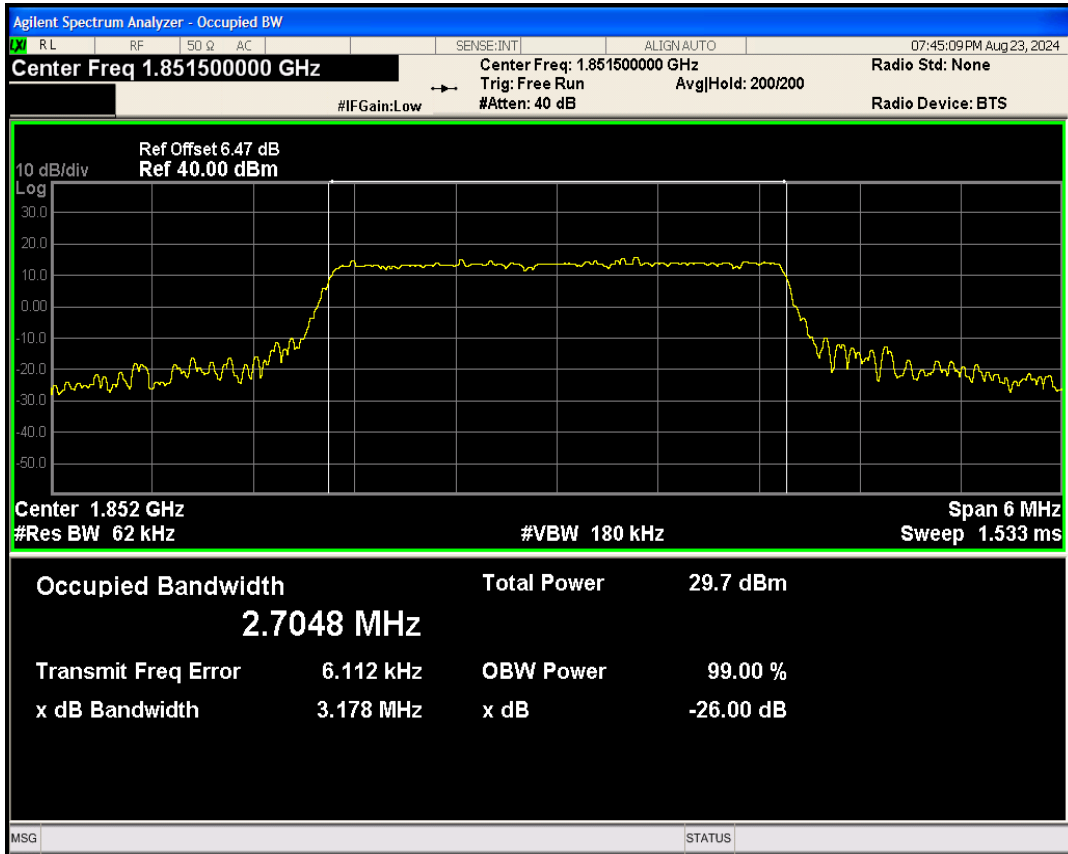
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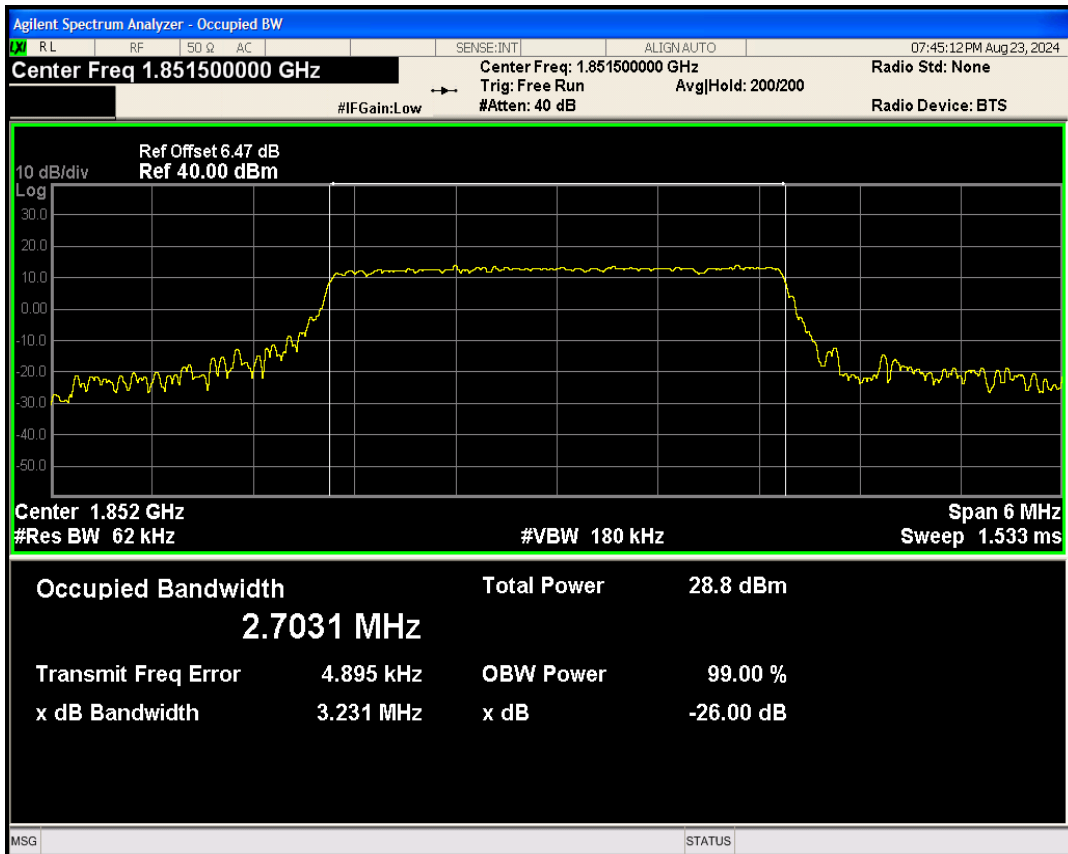
Band2 16QAM BW=1.4MHz Channel=19193 RB Size=6 Position=#0



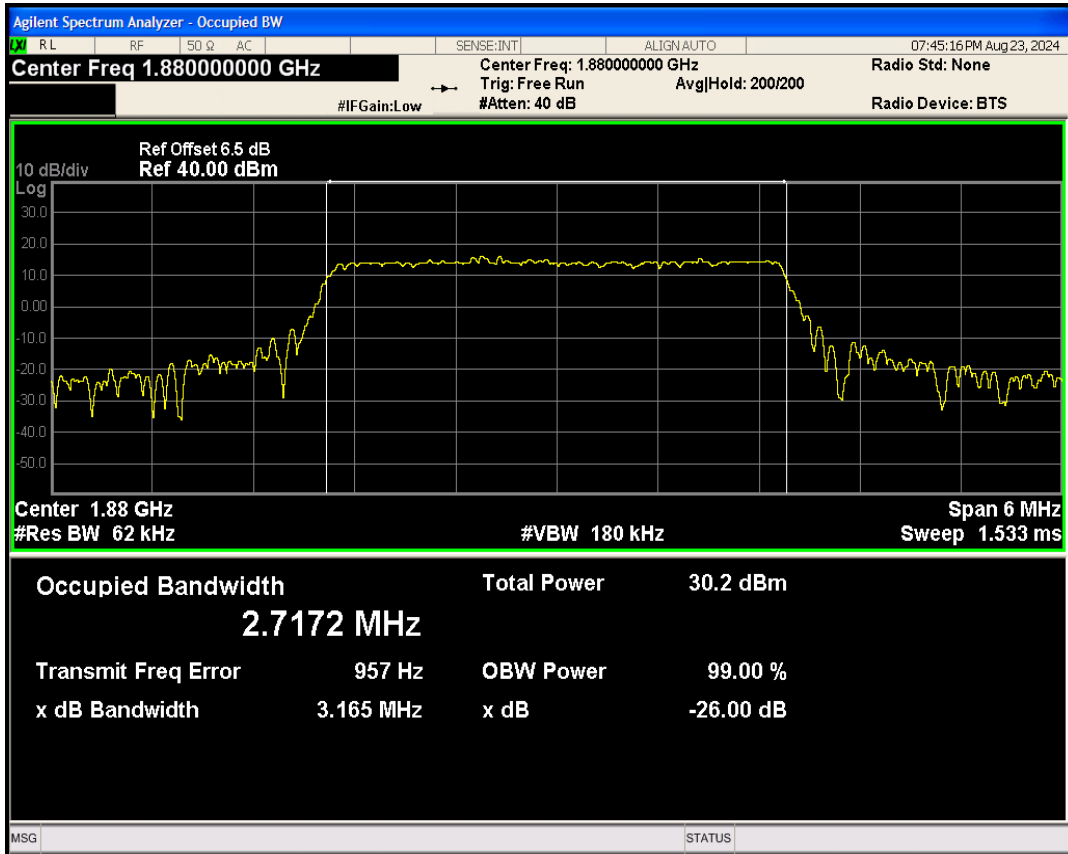
Band2 QPSK BW=3MHz Channel=18615 RB Size=15 Position=#0



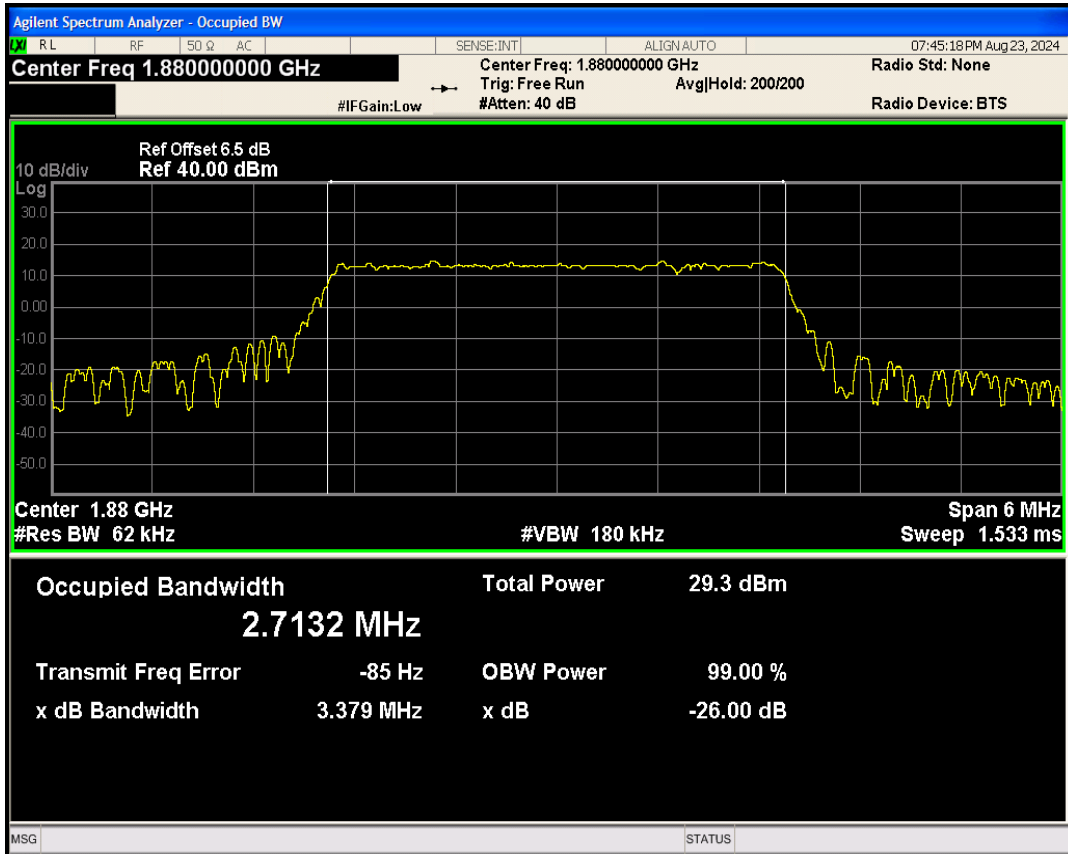
Band2 16QAM BW=3MHz Channel=18615 RB Size=15 Position=#0



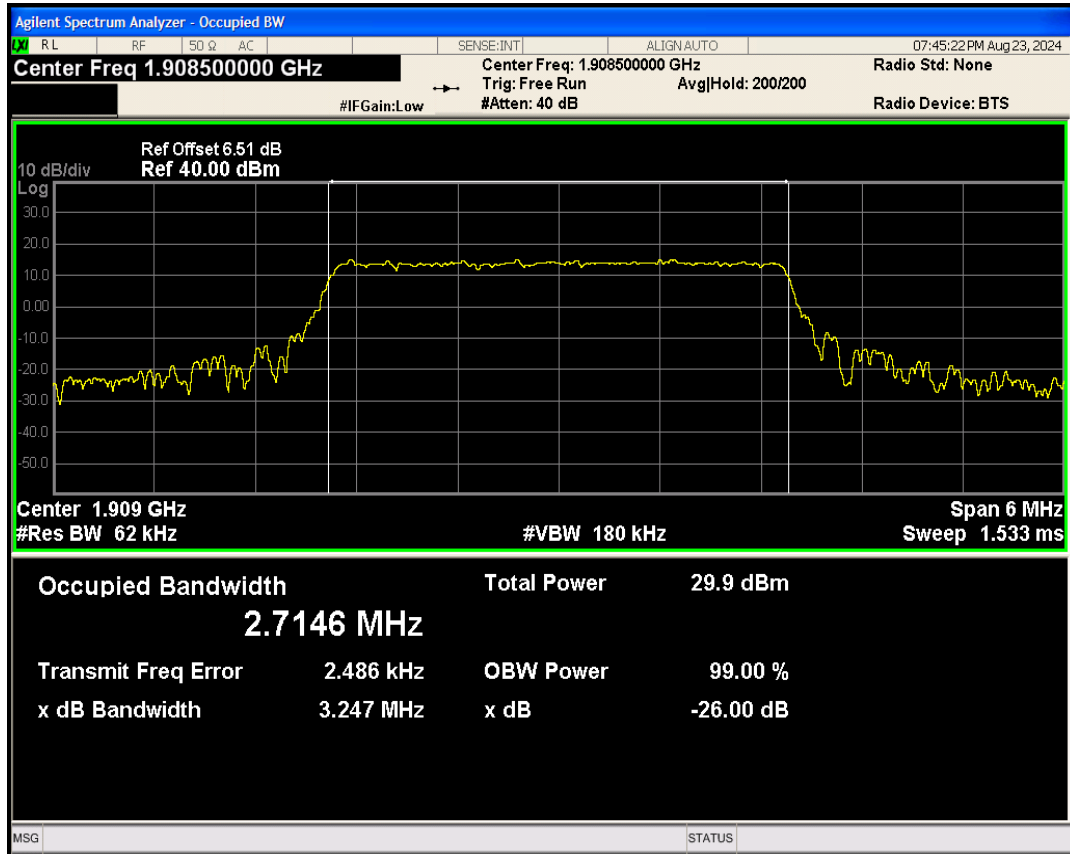
Band2 QPSK BW=3MHz Channel=18900 RB Size=15 Position=#0



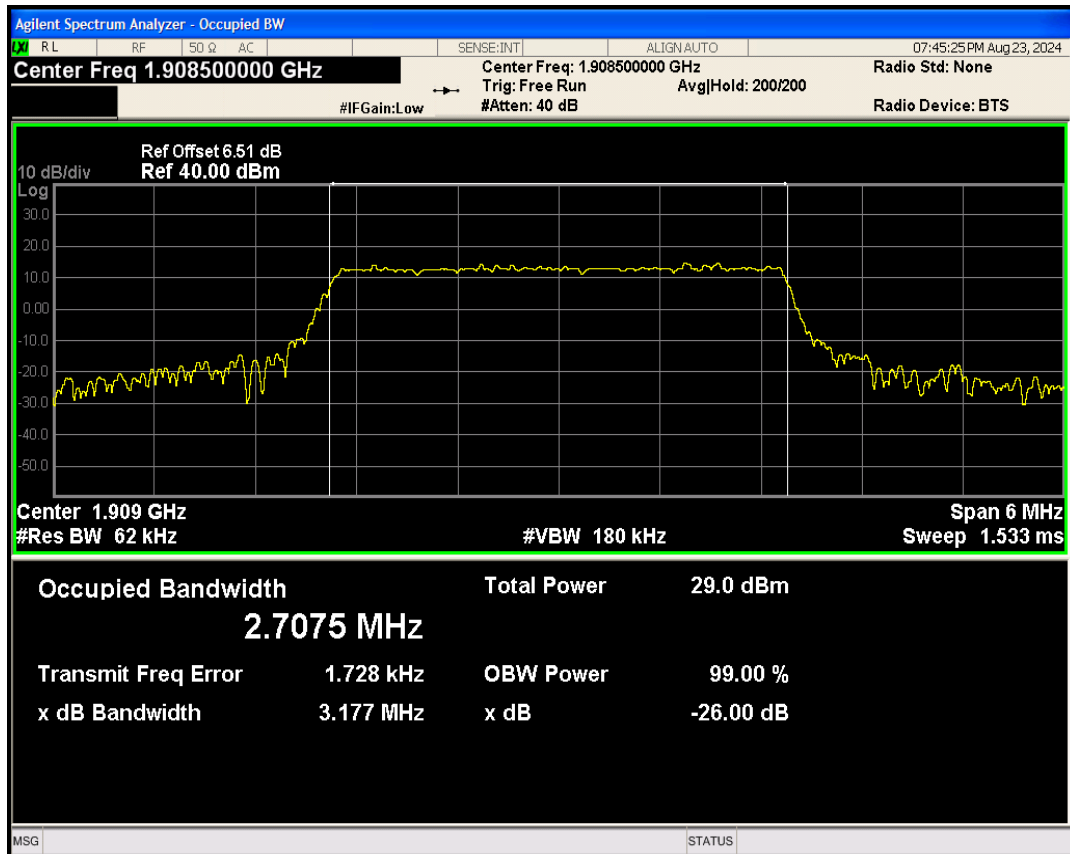
Band2 16QAM BW=3MHz Channel=18900 RB Size=15 Position=#0



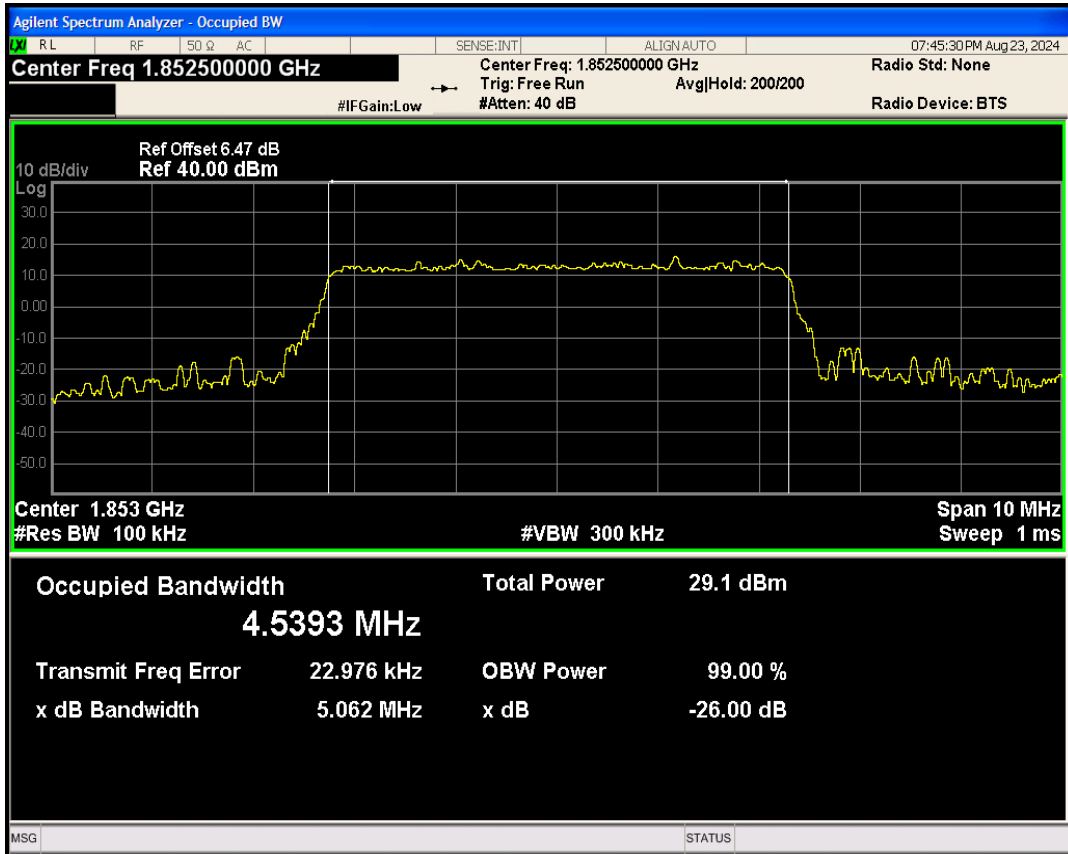
Band2 QPSK BW=3MHz Channel=19185 RB Size=15 Position=#0



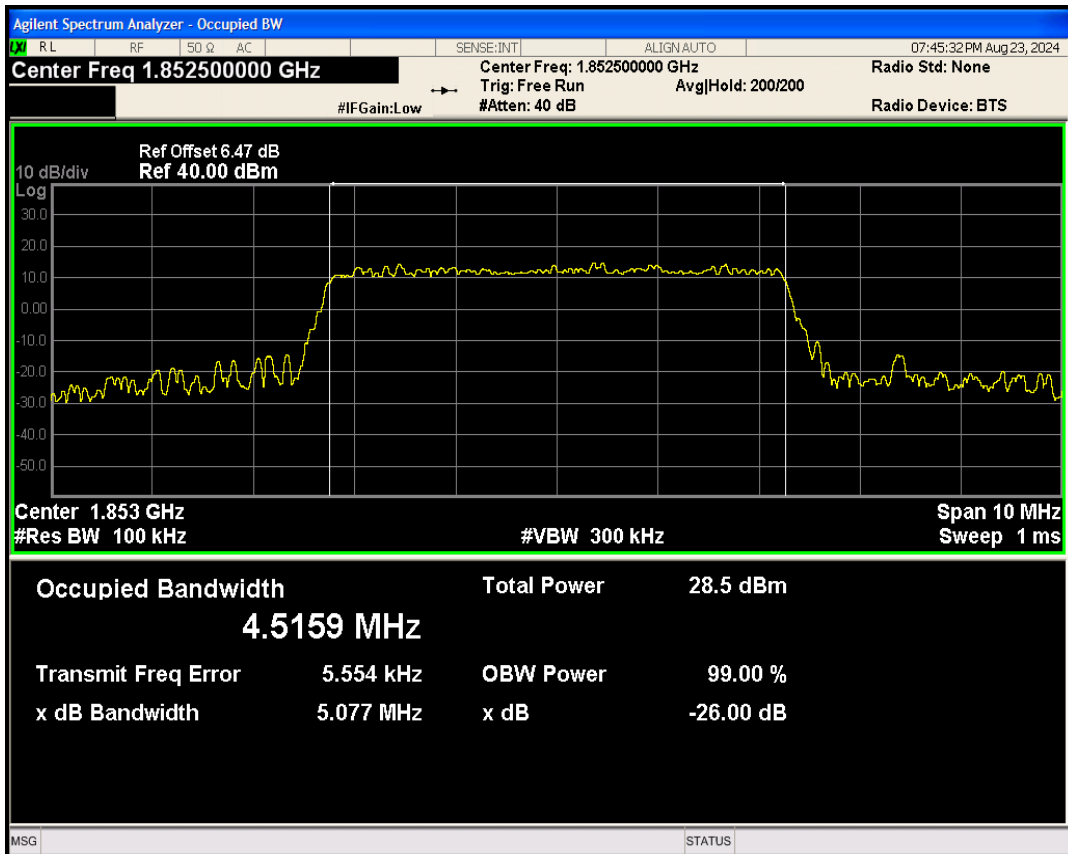
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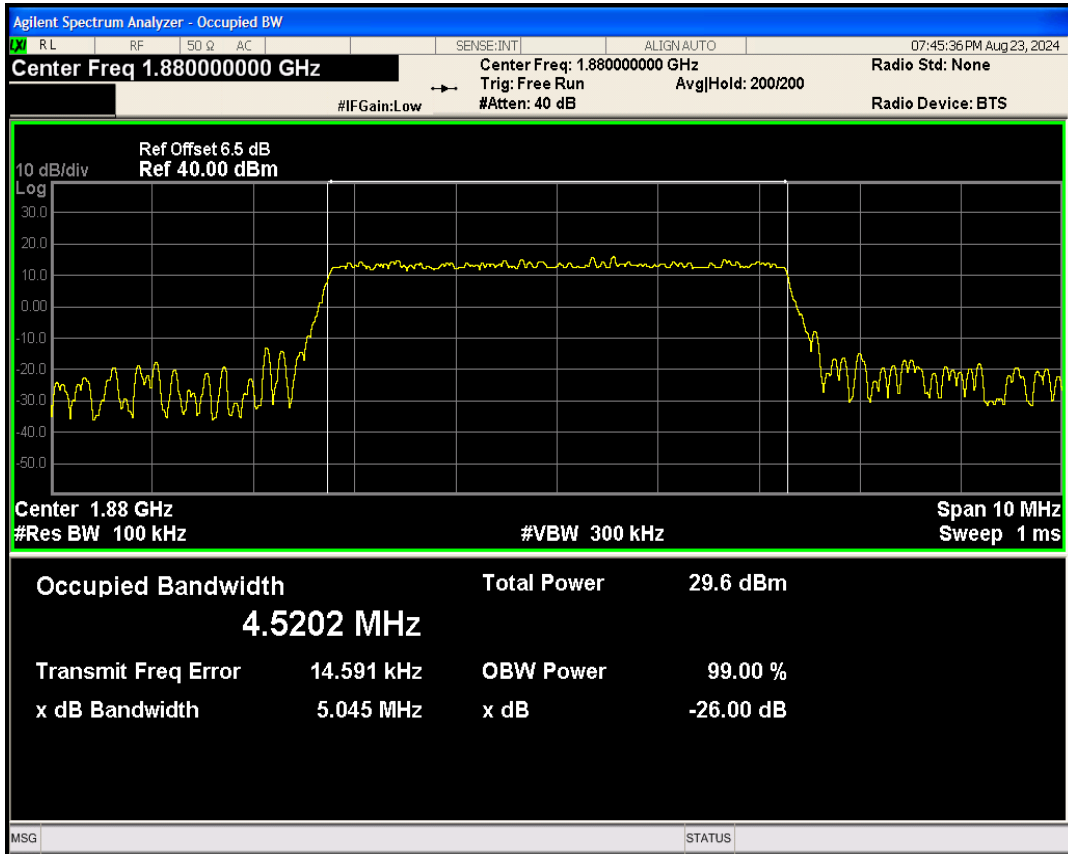
Band2 QPSK BW=5MHz Channel=18625 RB Size=25 Position=#0



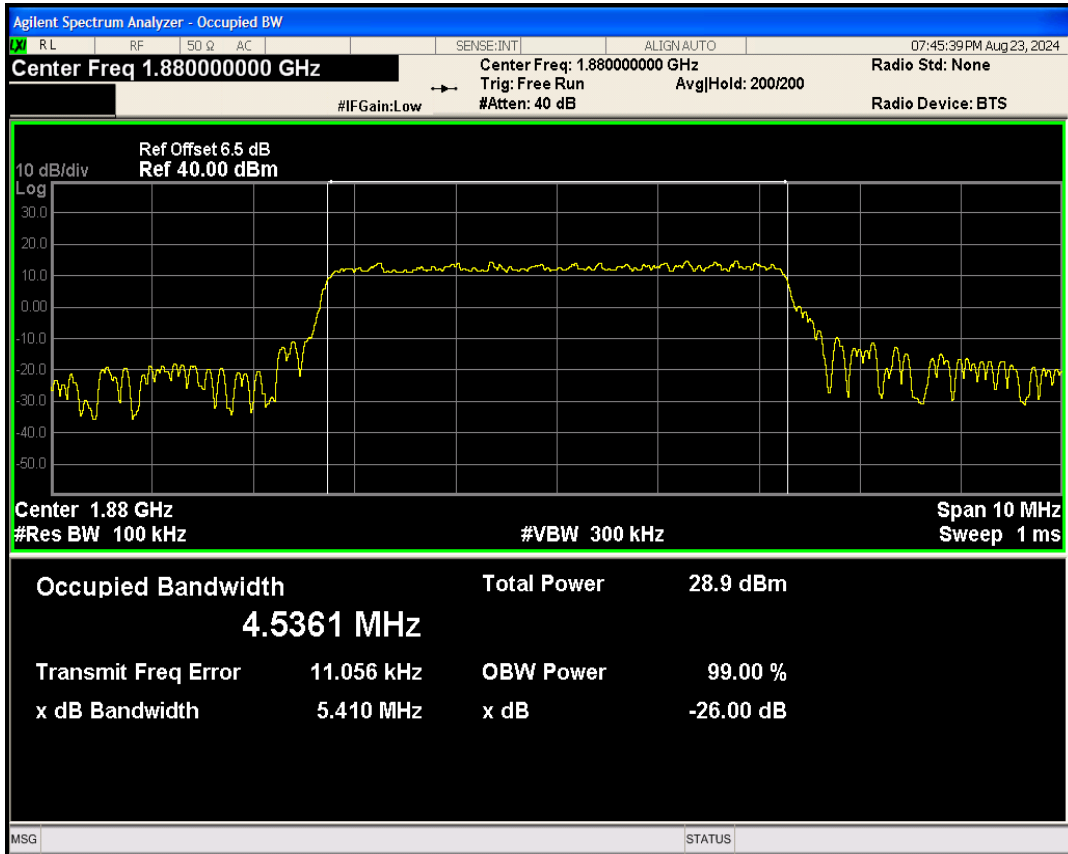
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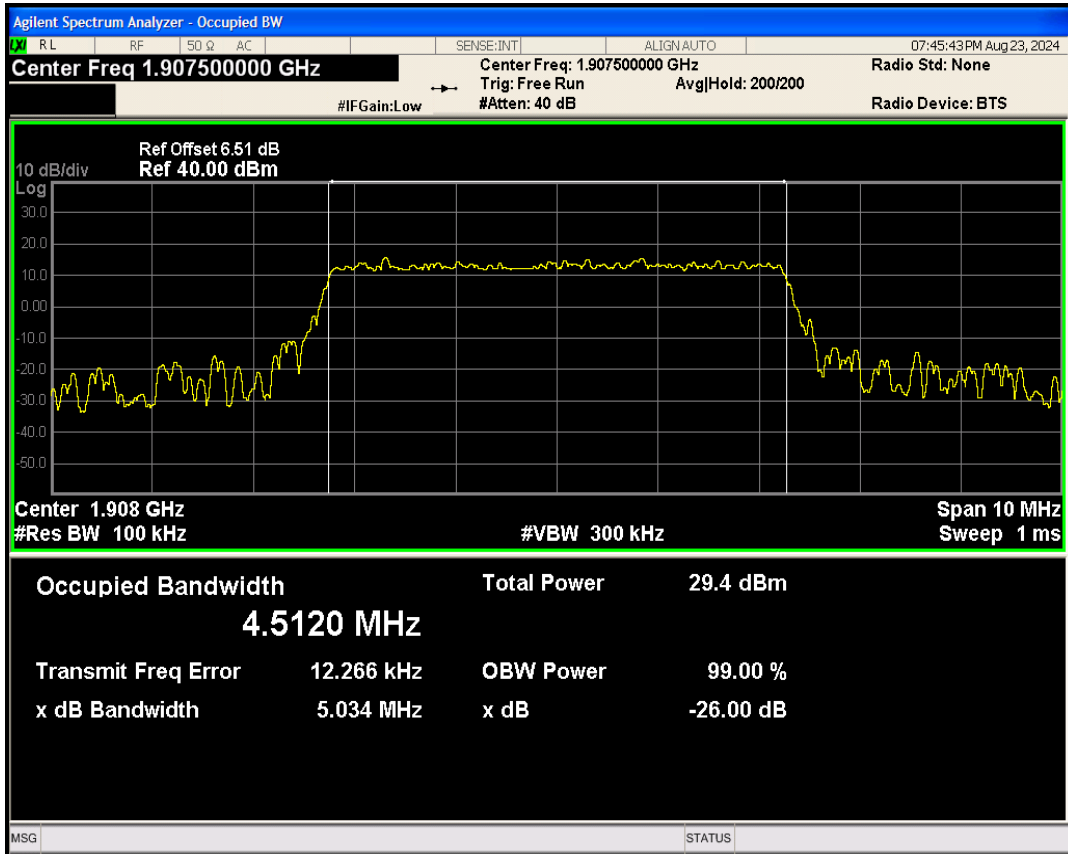
Band2 QPSK BW=5MHz Channel=18900 RB Size=25 Position=#0



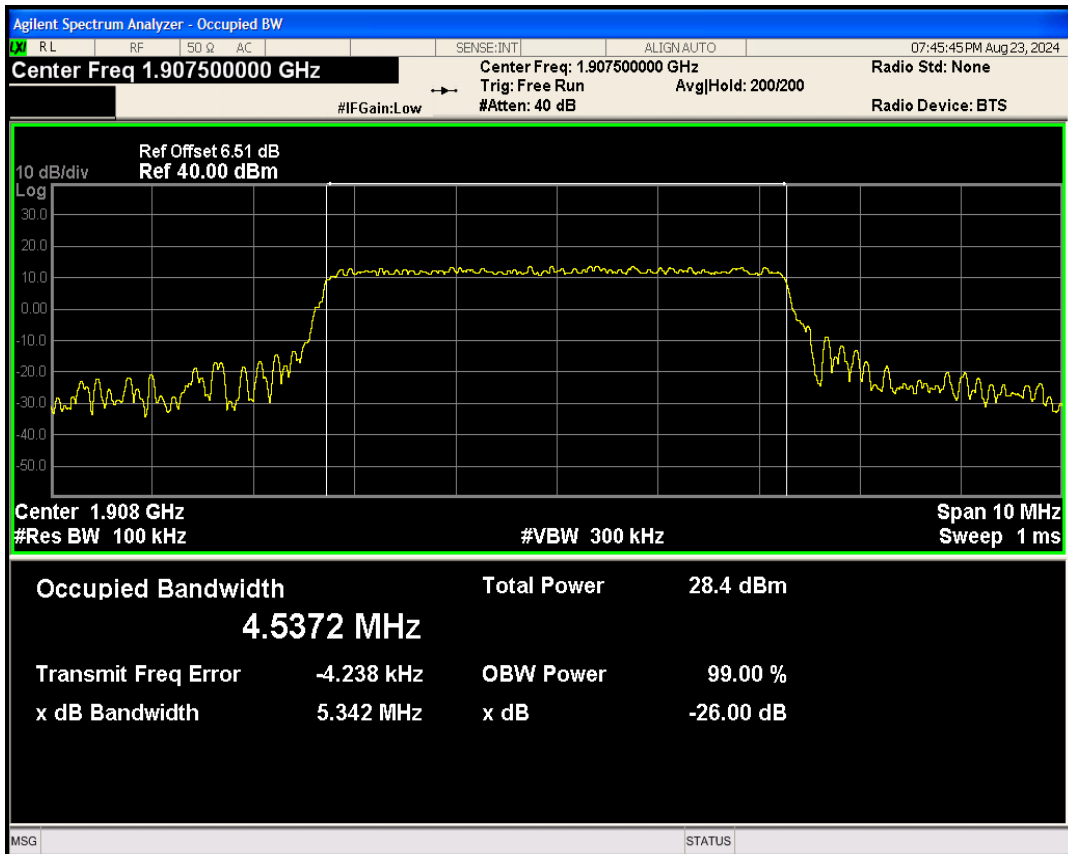
Band2 16QAM BW=5MHz Channel=18900 RB Size=25 Position=#0



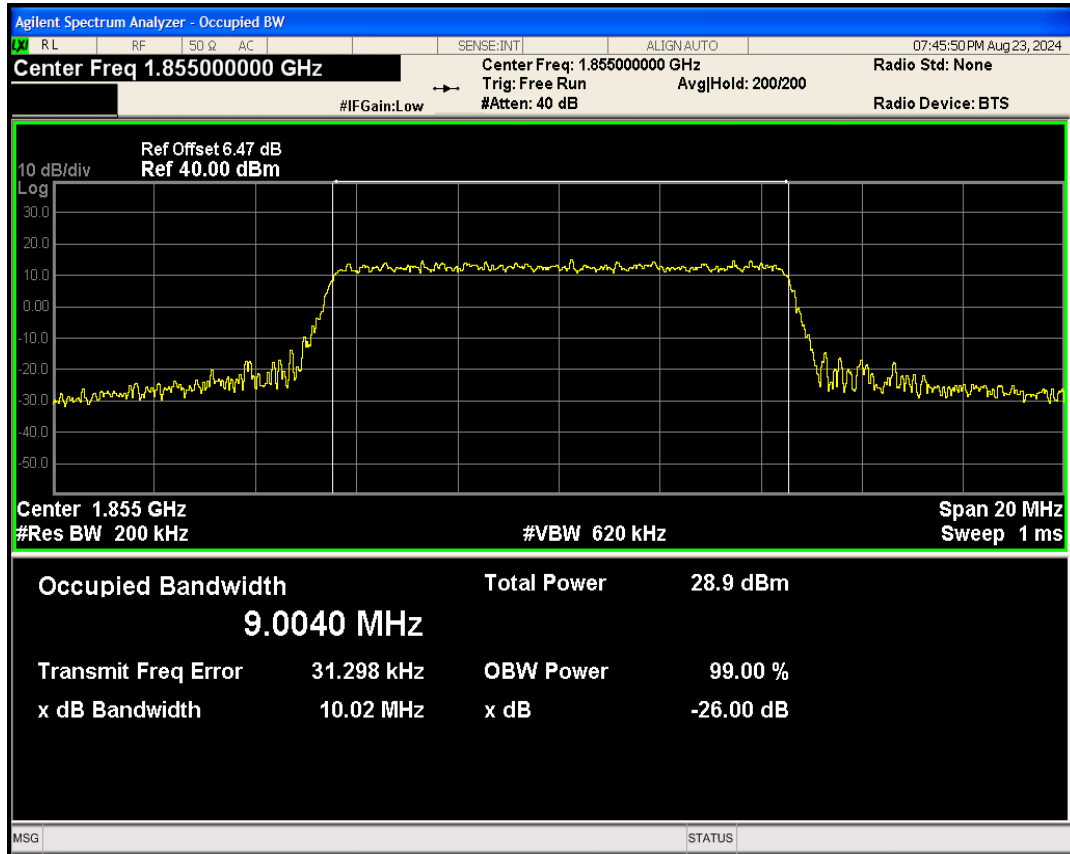
Band2 QPSK BW=5MHz Channel=19175 RB Size=25 Position=#0



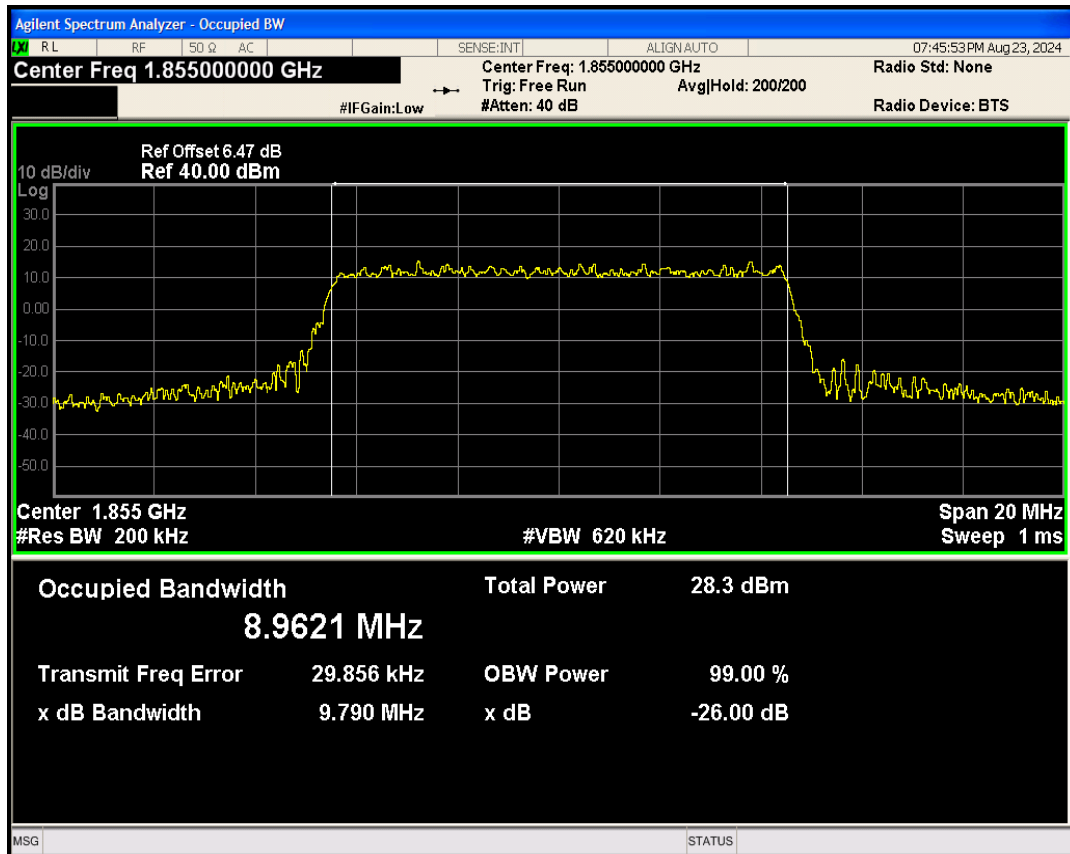
Band2 16QAM BW=5MHz Channel=19175 RB Size=25 Position=#0



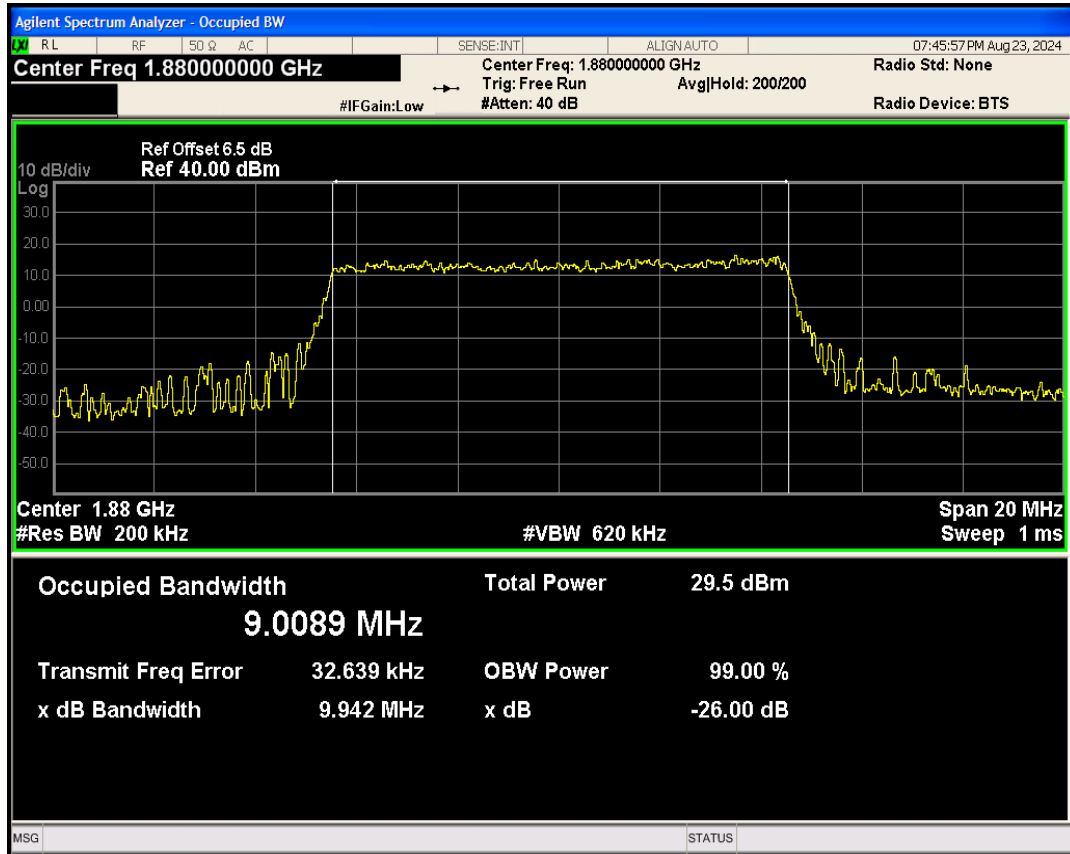
Band2 QPSK BW=10MHz Channel=18650 RB Size=50 Position=#0



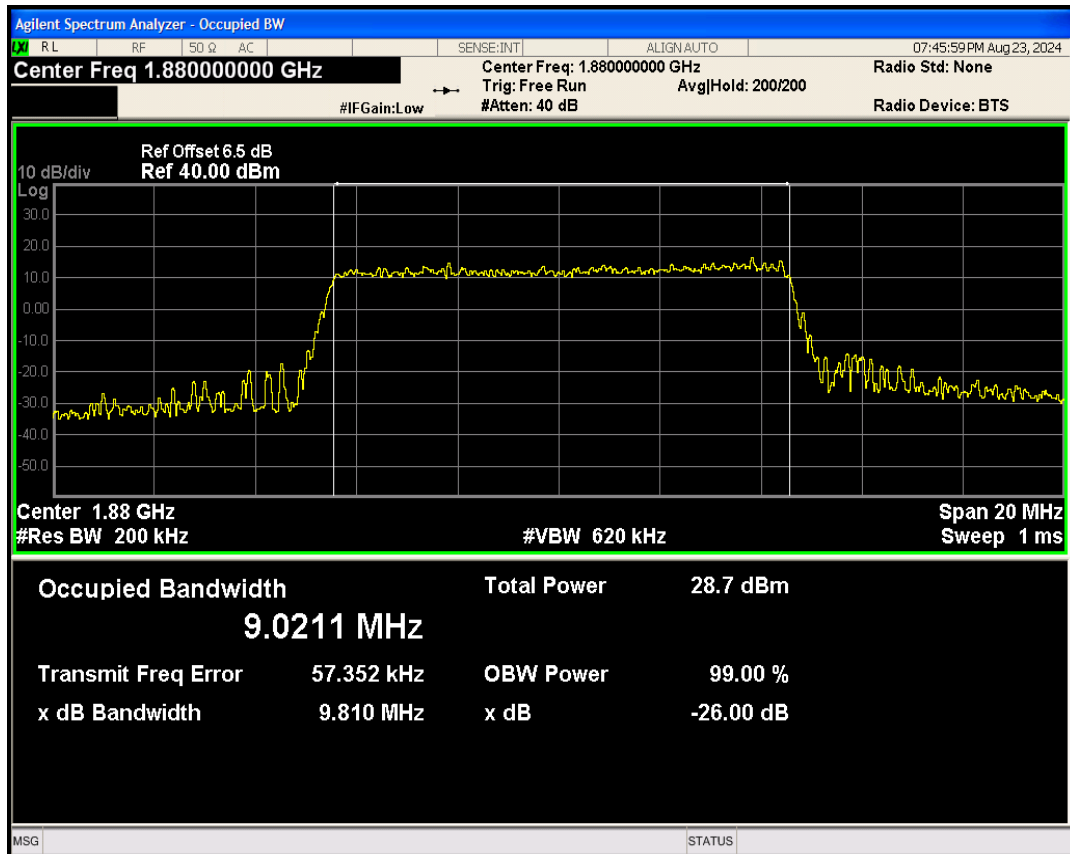
Band2 16QAM BW=10MHz Channel=18650 RB Size=50 Position=#0



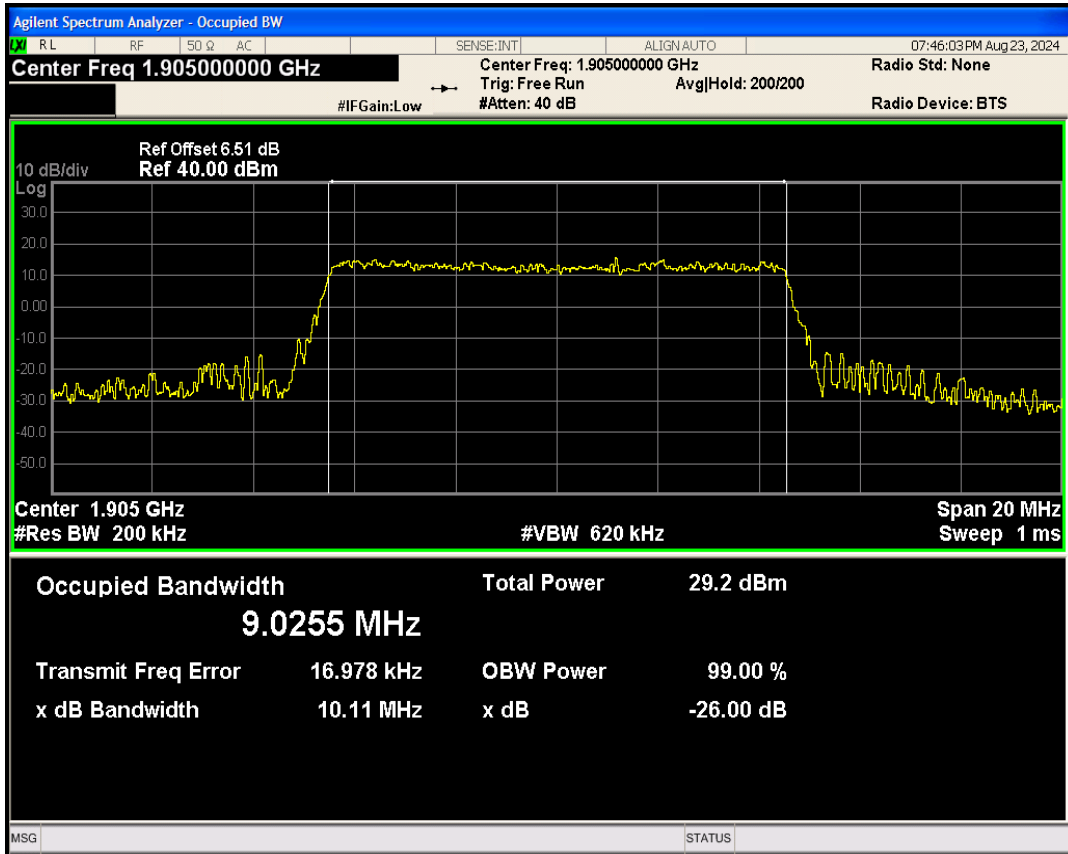
Band2 QPSK BW=10MHz Channel=18900 RB Size=50 Position=#0



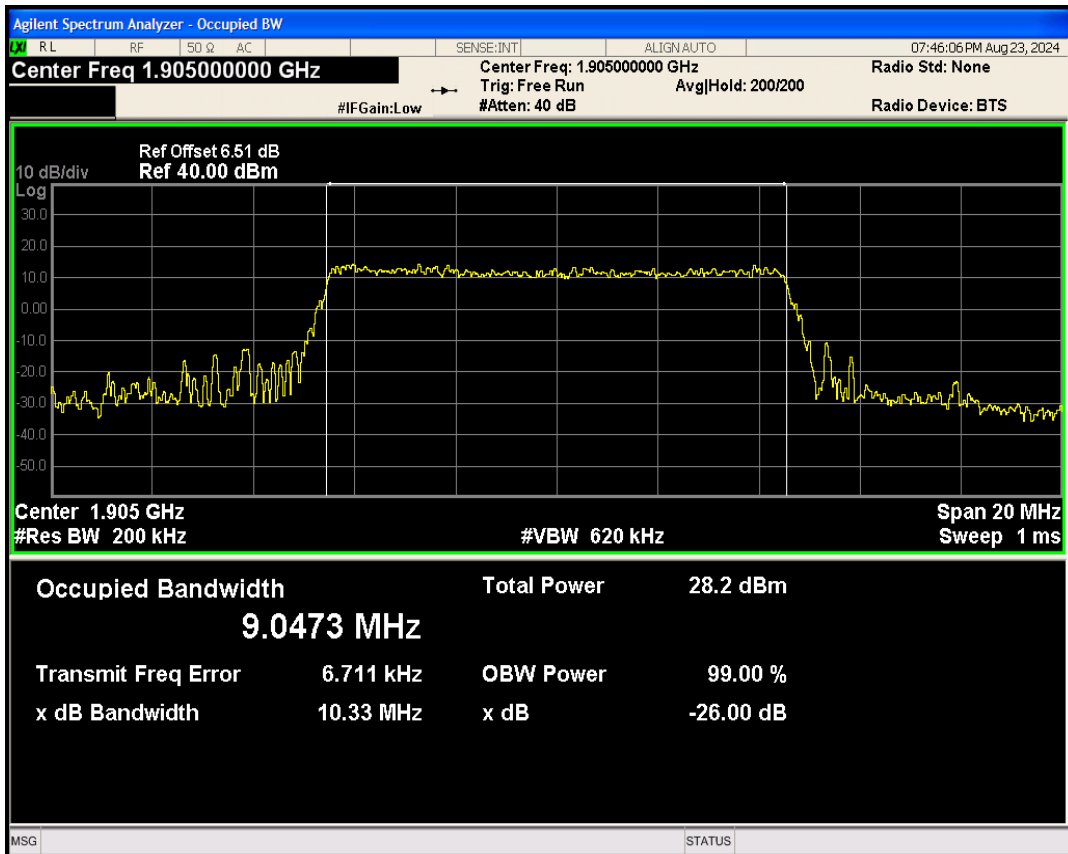
Band2 16QAM BW=10MHz Channel=18900 RB Size=50 Position=#0



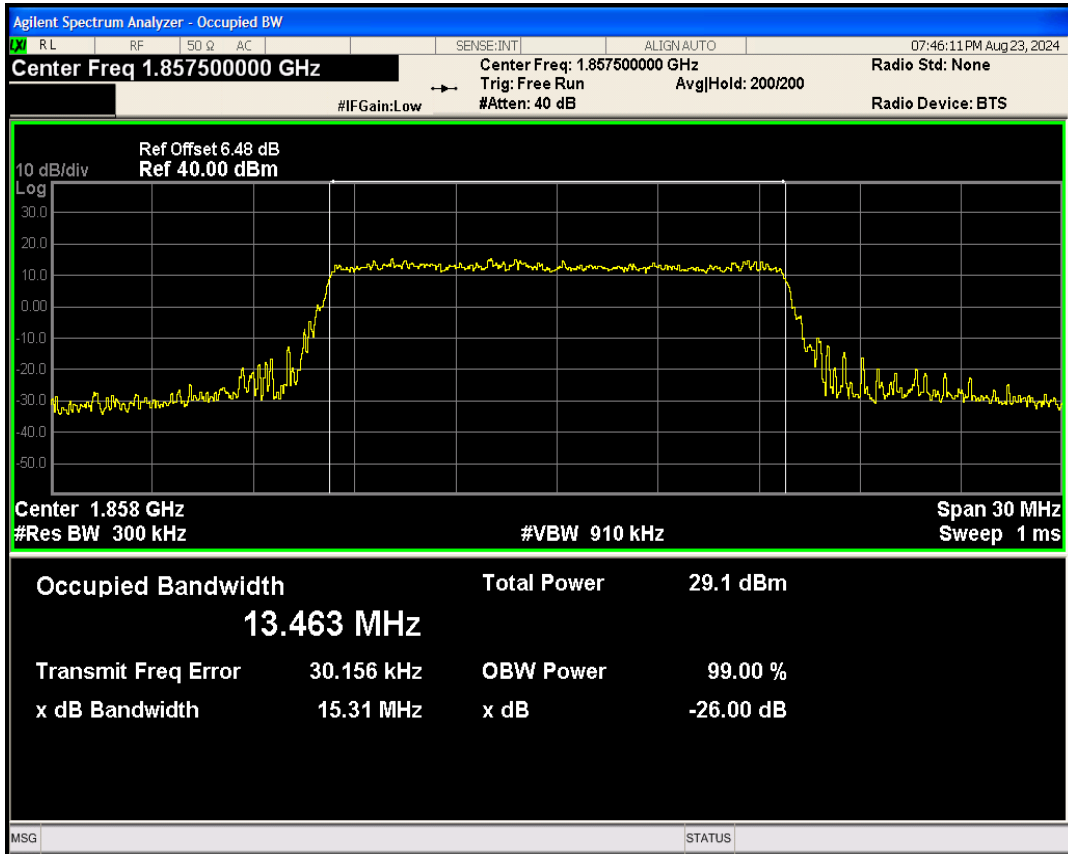
Band2 QPSK BW=10MHz Channel=19150 RB Size=50 Position=#0



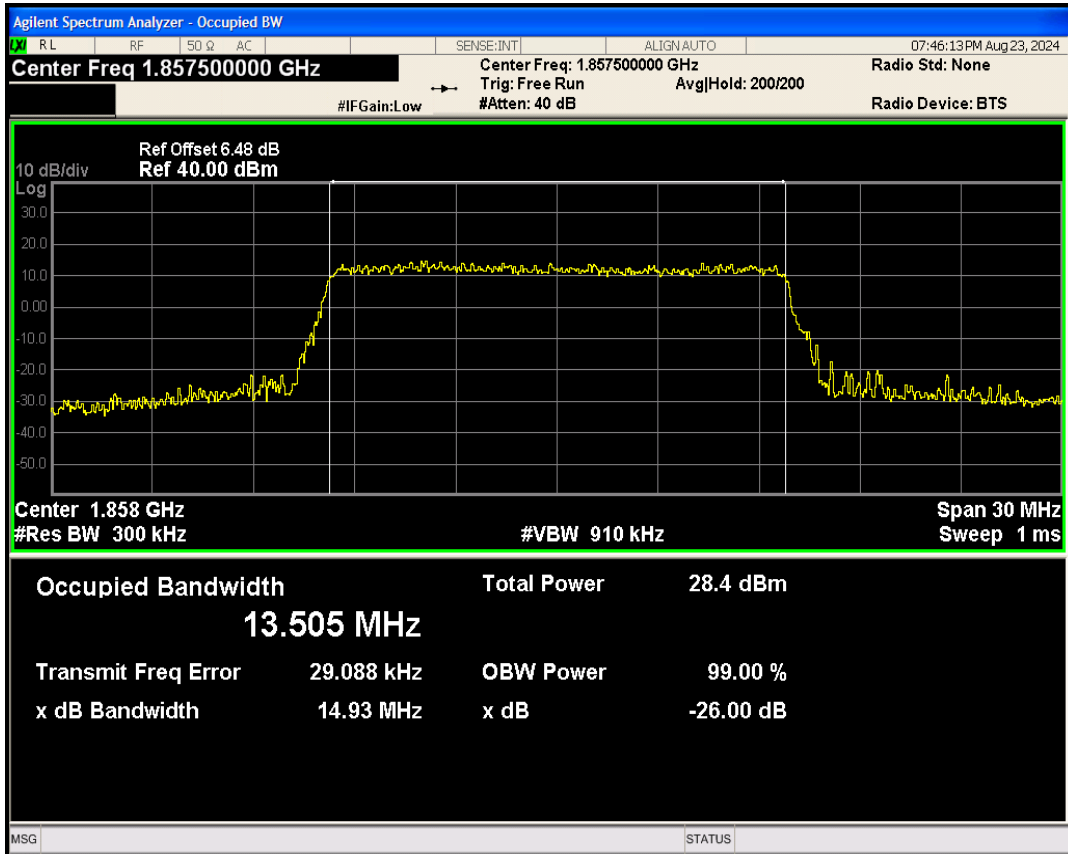
Band2 16QAM BW=10MHz Channel=19150 RB Size=50 Position=#0



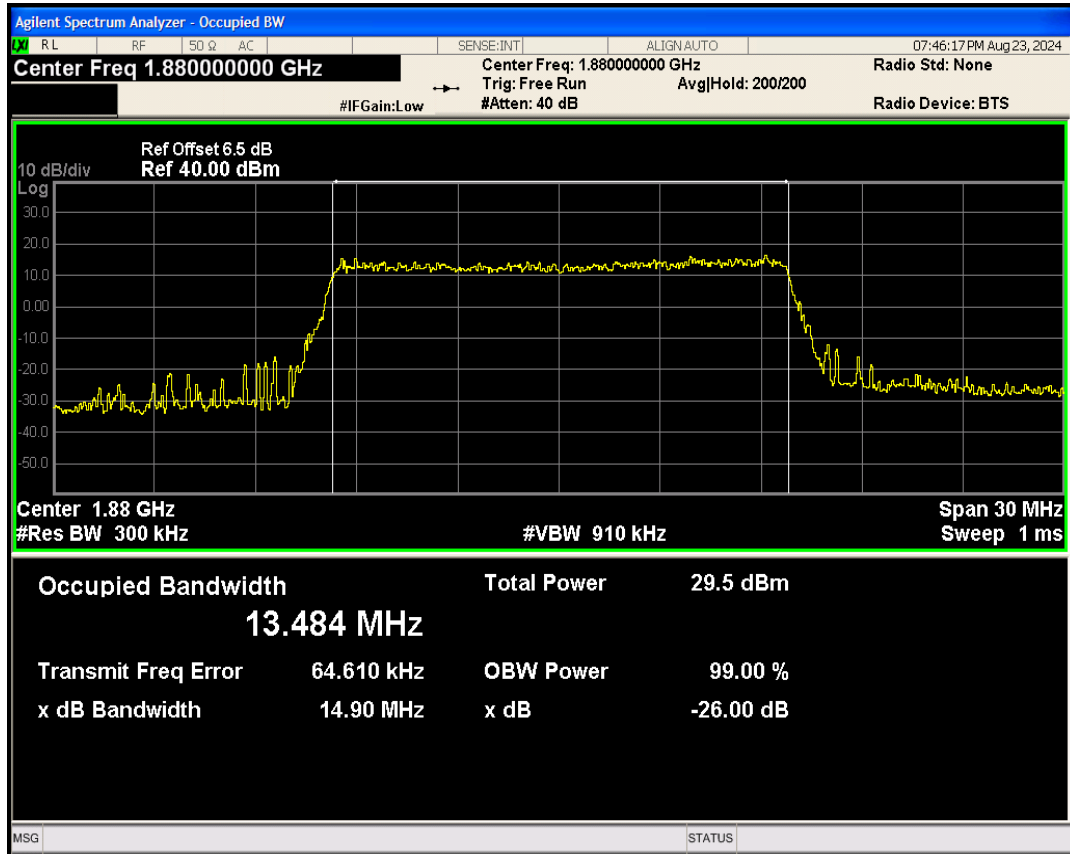
Band2 QPSK BW=15MHz Channel=18675 RB Size=75 Position=#0



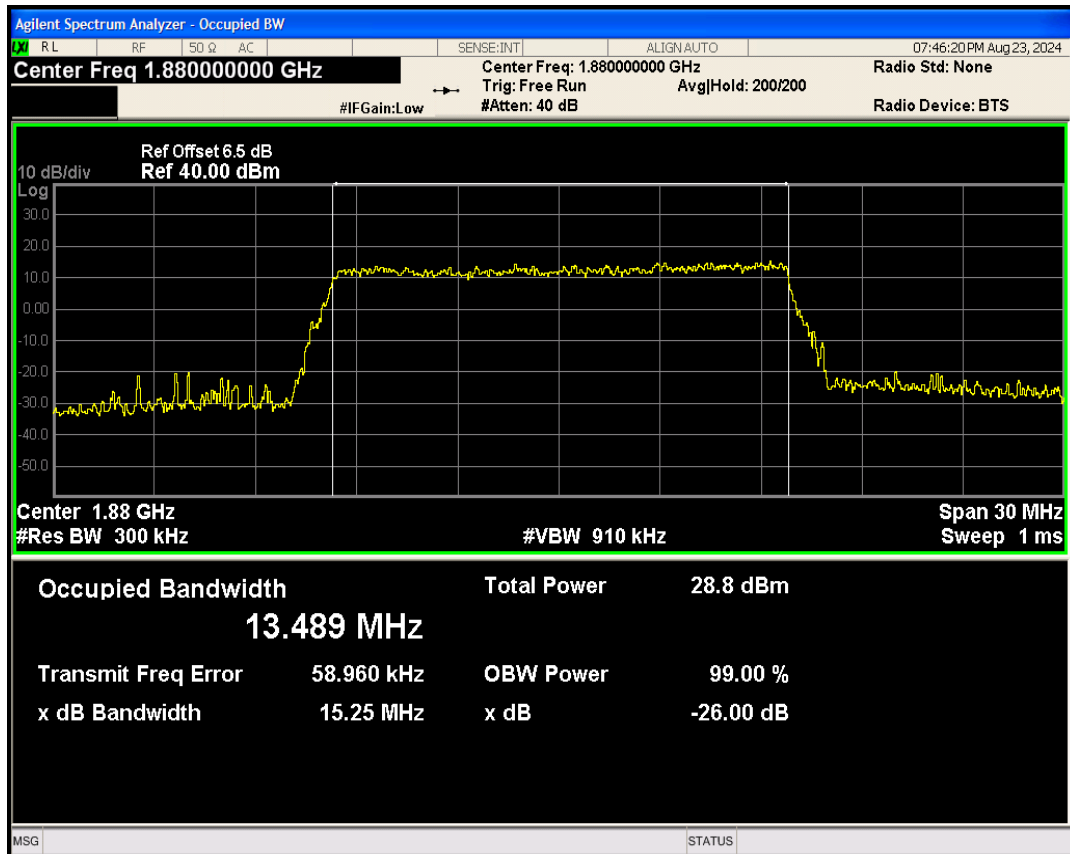
Band2 16QAM BW=15MHz Channel=18675 RB Size=75 Position=#0



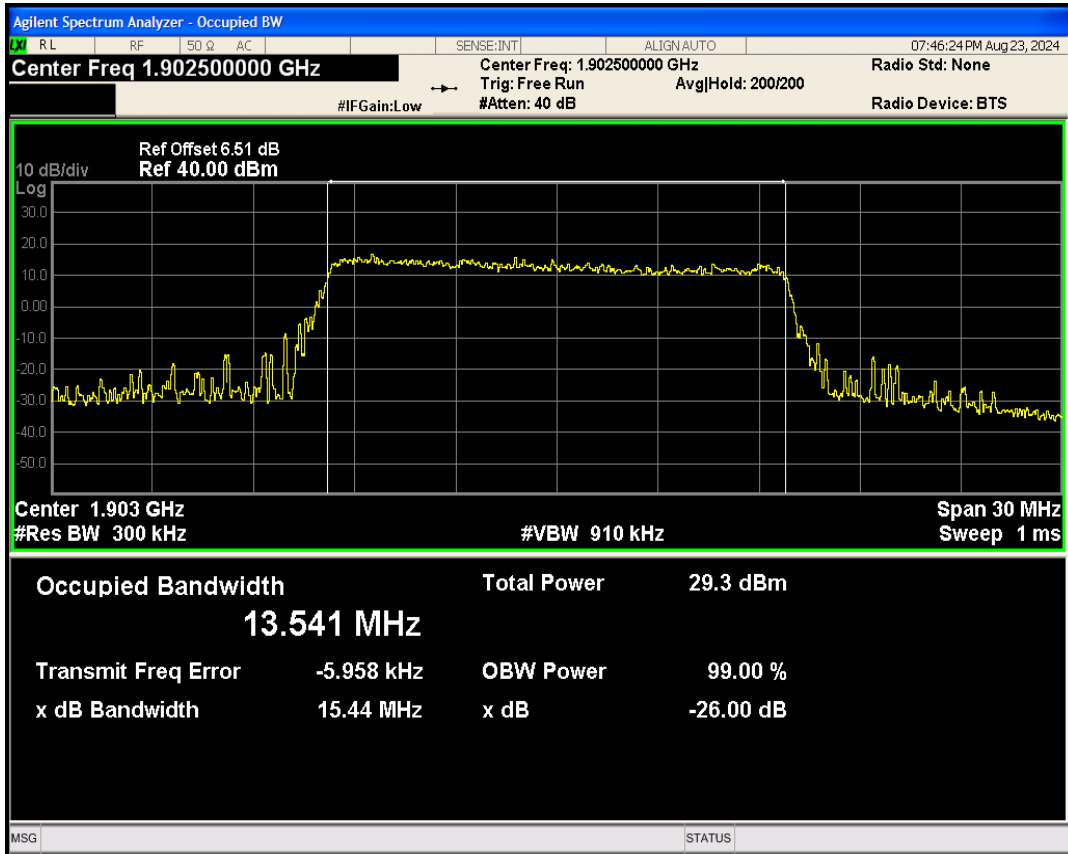
Band2 QPSK BW=15MHz Channel=18900 RB Size=75 Position=#0



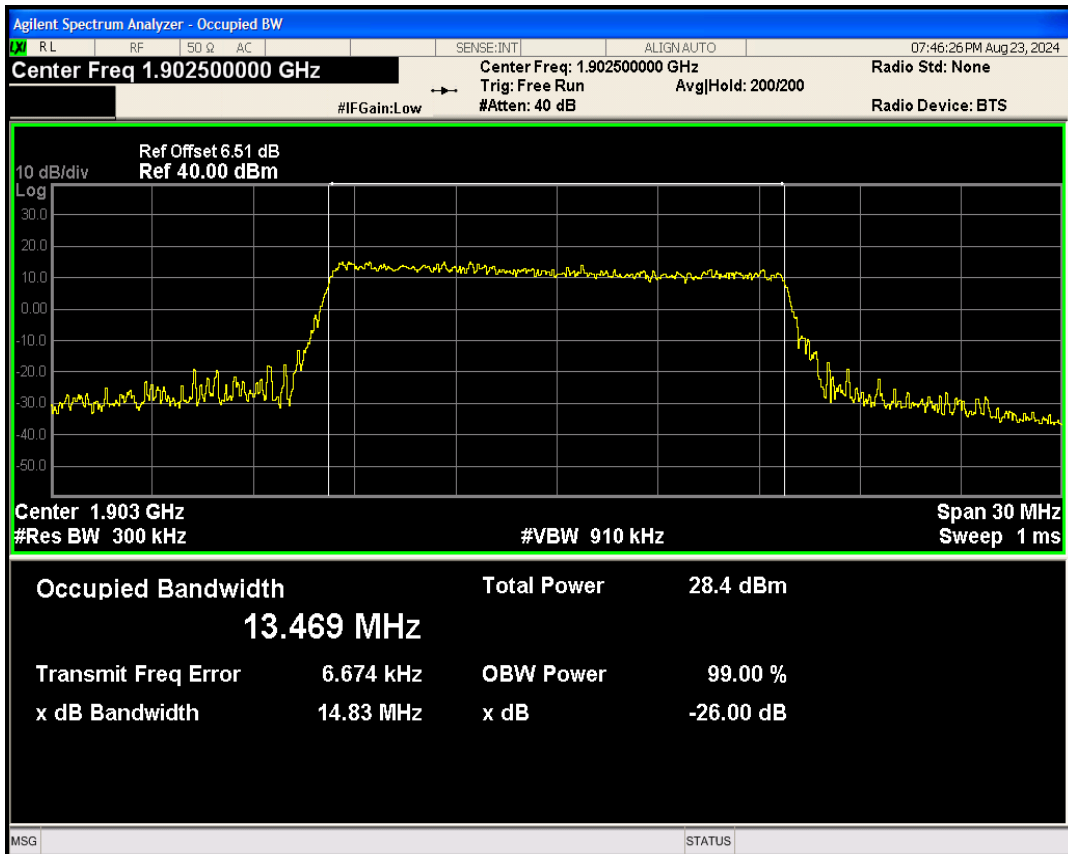
Band2 16QAM BW=15MHz Channel=18900 RB Size=75 Position=#0



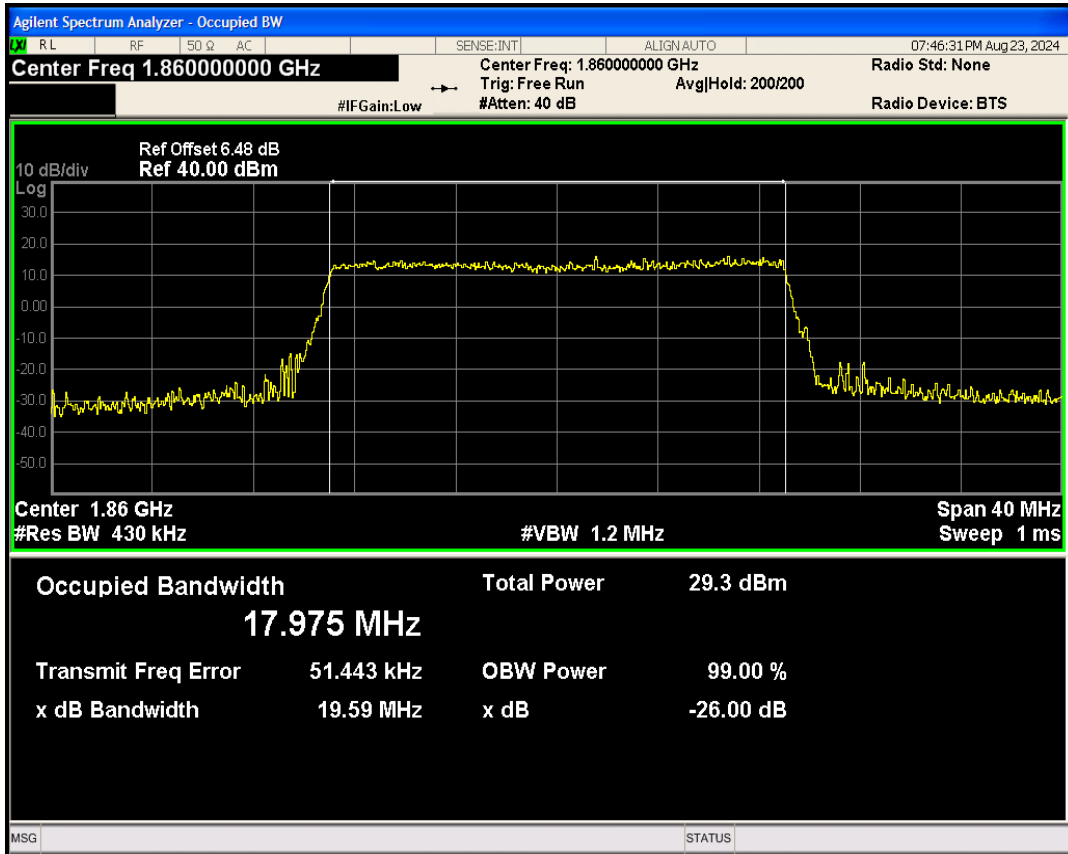
Band2 QPSK BW=15MHz Channel=19125 RB Size=75 Position=#0



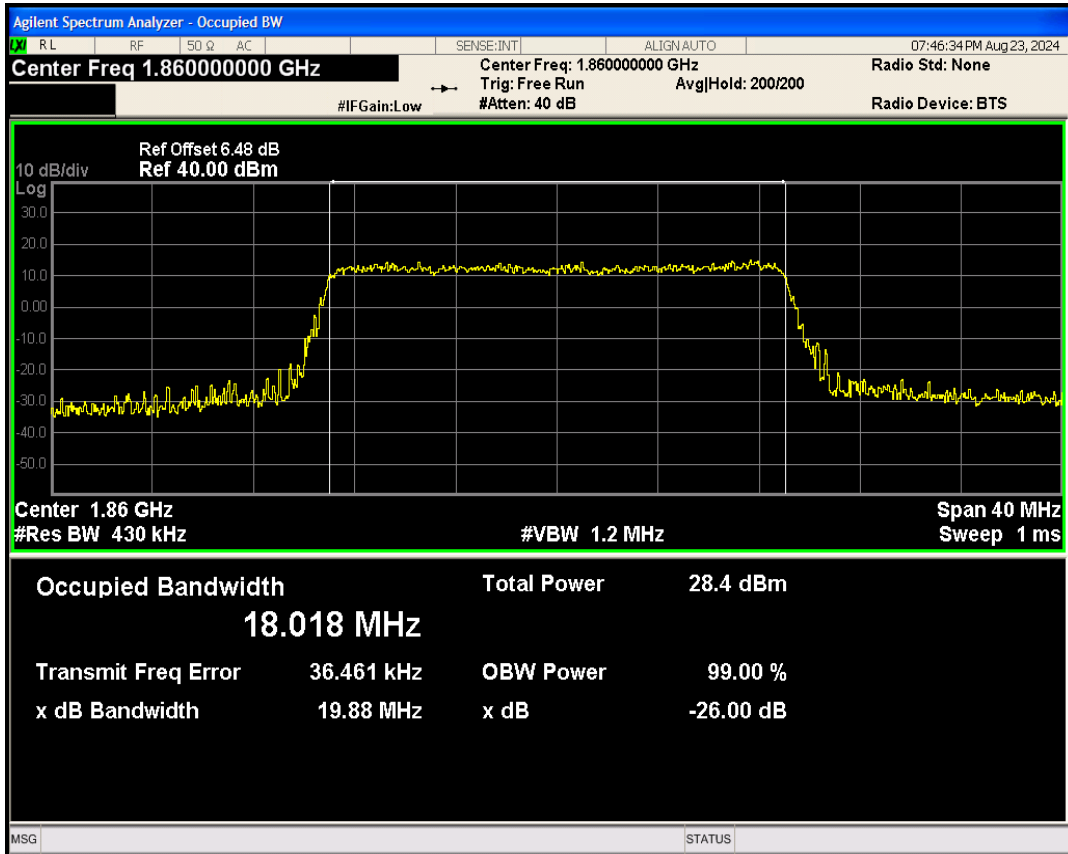
Band2 16QAM BW=15MHz Channel=19125 RB Size=75 Position=#0



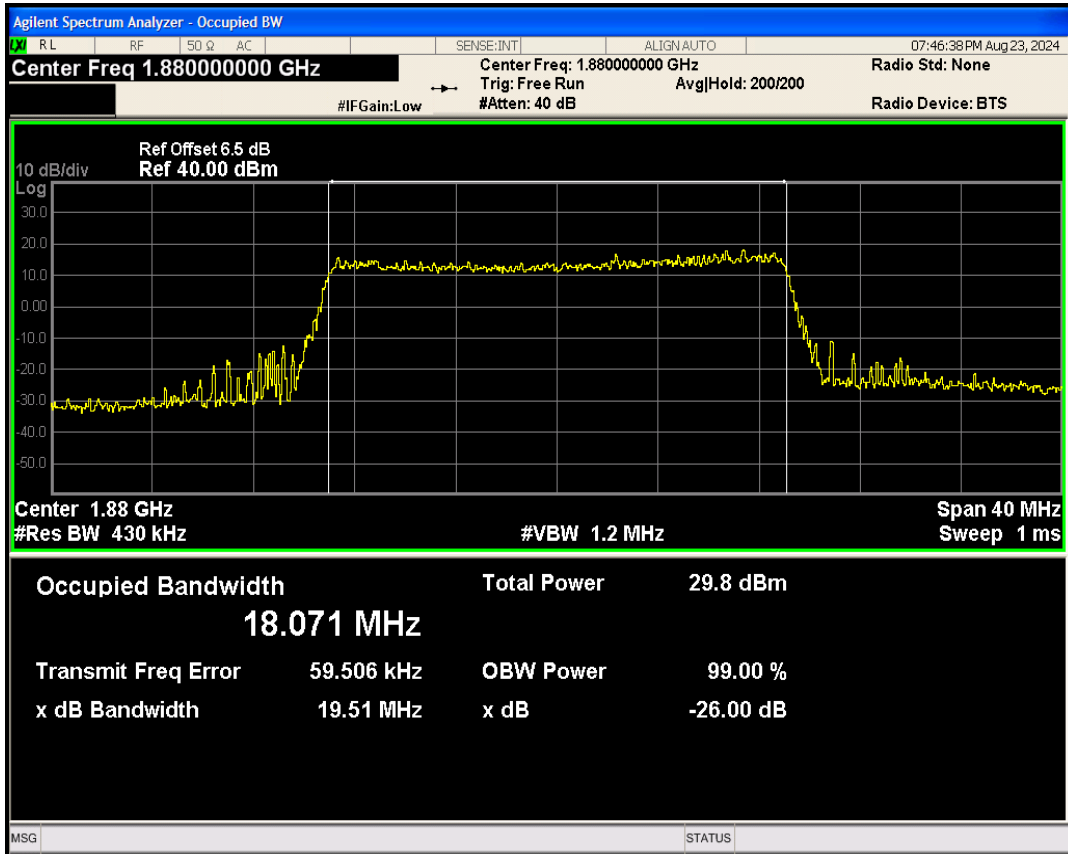
Band2 QPSK BW=20MHz Channel=18700 RB Size=100 Position=#0



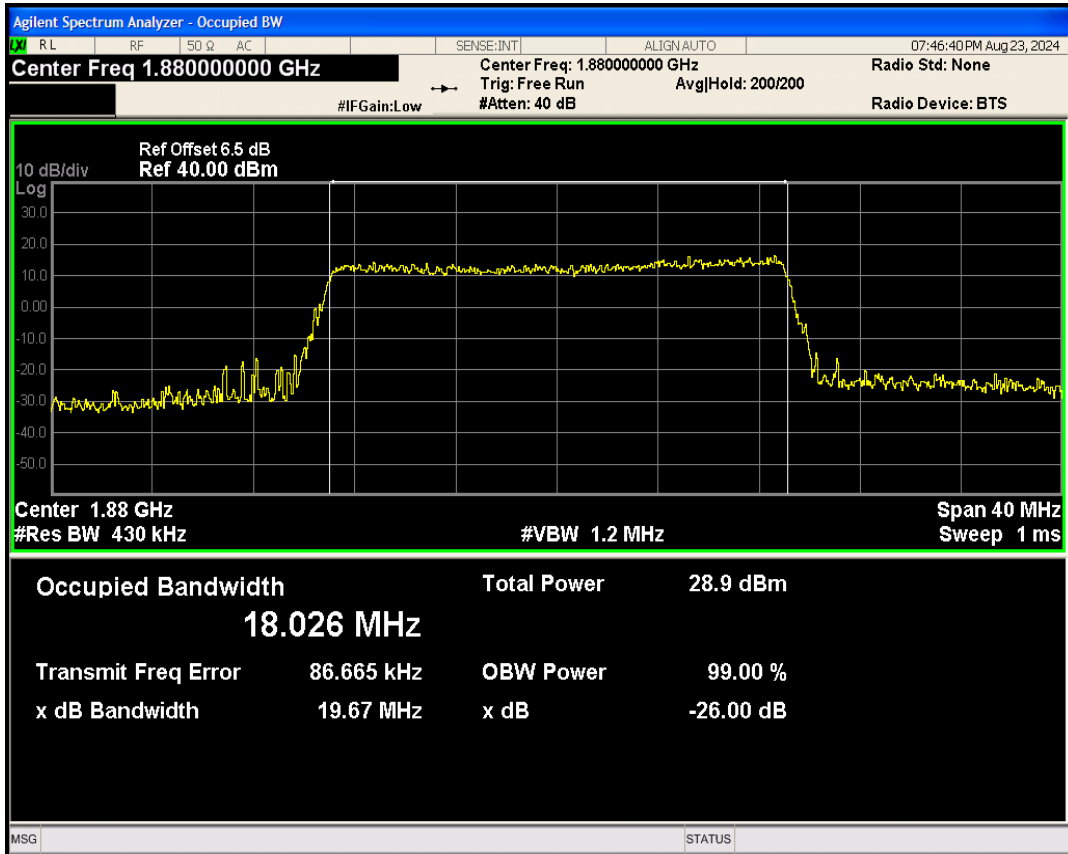
Band2 16QAM BW=20MHz Channel=18700 RB Size=100 Position=#0



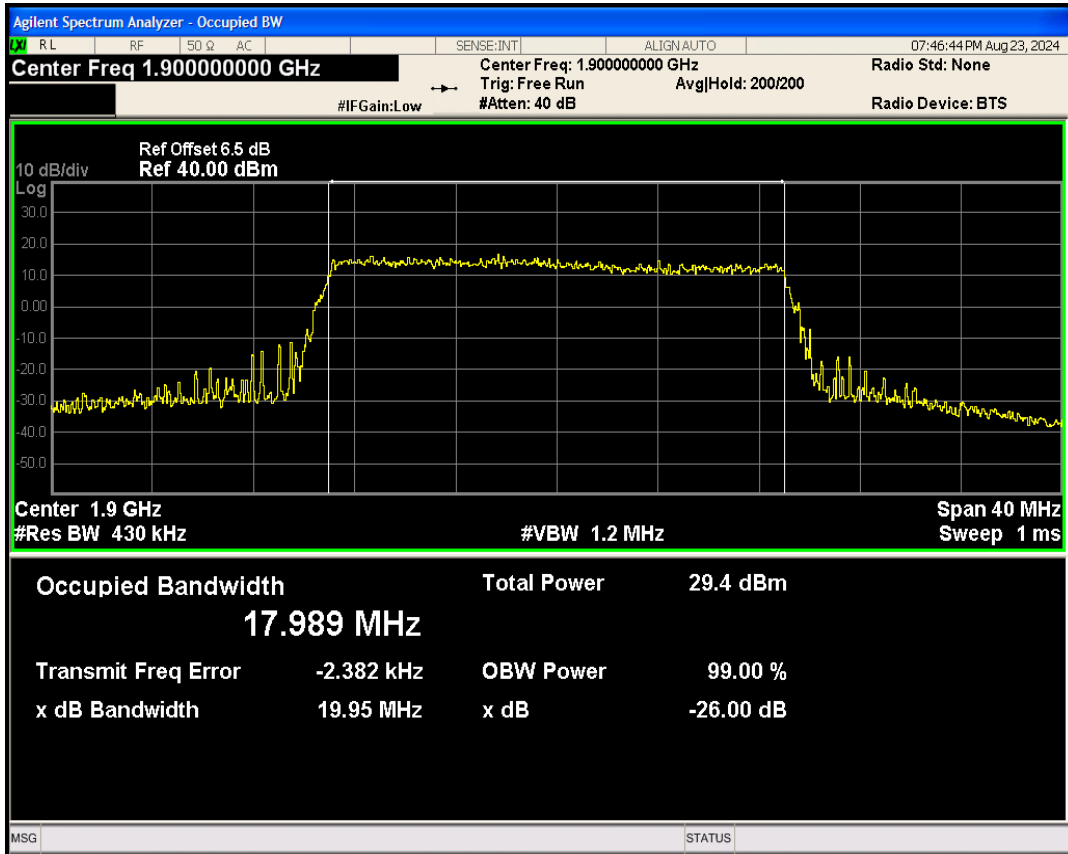
Band2 QPSK BW=20MHz Channel=18900 RB Size=100 Position=#0



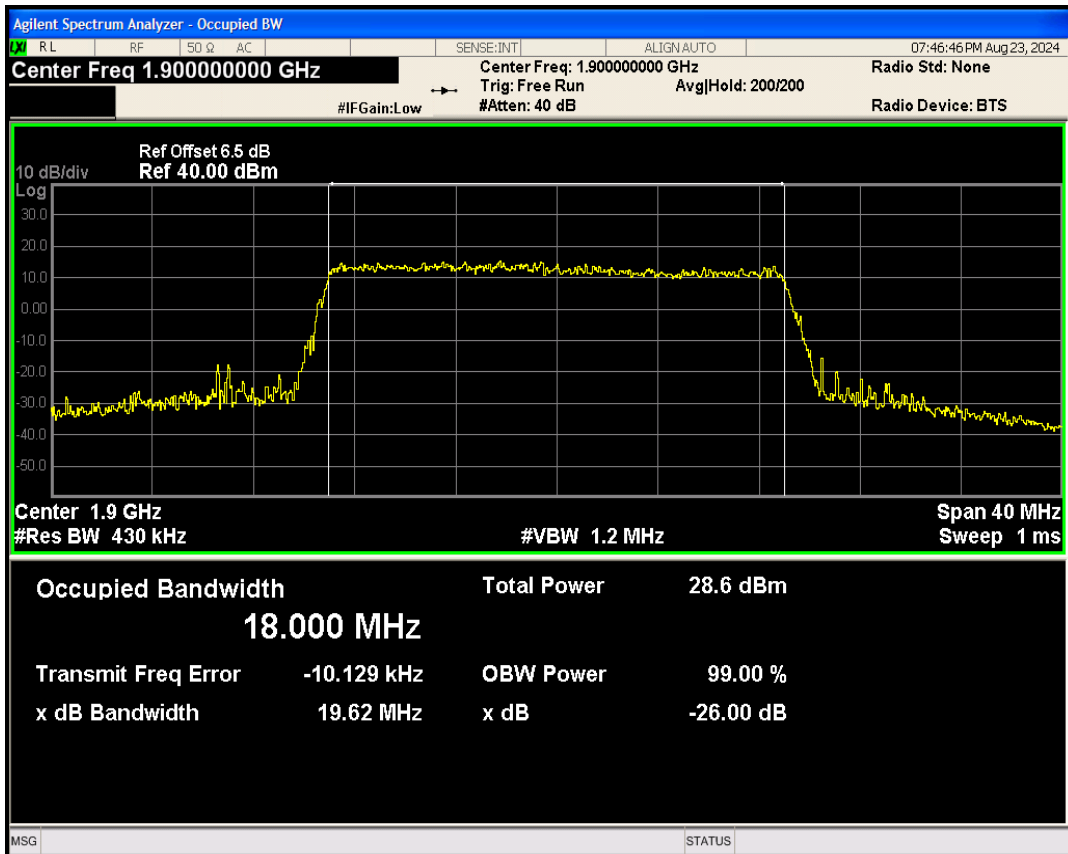
Band2 16QAM BW=20MHz Channel=18900 RB Size=100 Position=#0



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



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



## Appendix 5. Band edge

| Band  | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Size | RB<br>Position | Modulation | Spur Freq<br>(MHz) | Spur Level<br>(dBm) | Limit<br>(dBm) | Verdict |
|-------|--------------------|---------------|------------|----------------|------------|--------------------|---------------------|----------------|---------|
| Band2 | 1.4                | 18607         | 6          | #0             | QPSK       | 1850.00            | -30.87              | -13            | PASS    |
| Band2 | 1.4                | 18607         | 6          | #0             | 16QAM      | 1849.99            | -30.76              | -13            | PASS    |
| Band2 | 1.4                | 19193         | 6          | #0             | QPSK       | 1910.00            | -28.40              | -13            | PASS    |
| Band2 | 1.4                | 19193         | 6          | #0             | 16QAM      | 1910.01            | -28.40              | -13            | PASS    |
| Band2 | 3                  | 18615         | 15         | #0             | QPSK       | 1850.00            | -26.26              | -13            | PASS    |
| Band2 | 3                  | 18615         | 15         | #0             | 16QAM      | 1849.98            | -26.95              | -13            | PASS    |
| Band2 | 3                  | 19185         | 15         | #0             | QPSK       | 1910.01            | -26.66              | -13            | PASS    |
| Band2 | 3                  | 19185         | 15         | #0             | 16QAM      | 1910.00            | -26.64              | -13            | PASS    |
| Band2 | 5                  | 18625         | 25         | #0             | QPSK       | 1849.93            | -31.43              | -13            | PASS    |
| Band2 | 5                  | 18625         | 25         | #0             | 16QAM      | 1849.94            | -31.80              | -13            | PASS    |
| Band2 | 5                  | 19175         | 25         | #0             | QPSK       | 1910.00            | -29.56              | -13            | PASS    |
| Band2 | 5                  | 19175         | 25         | #0             | 16QAM      | 1910.00            | -29.52              | -13            | PASS    |
| Band2 | 10                 | 18650         | 50         | #0             | QPSK       | 1849.94            | -33.31              | -13            | PASS    |
| Band2 | 10                 | 18650         | 50         | #0             | 16QAM      | 1849.98            | -33.04              | -13            | PASS    |
| Band2 | 10                 | 19150         | 50         | #0             | QPSK       | 1910.00            | -34.64              | -13            | PASS    |
| Band2 | 10                 | 19150         | 50         | #0             | 16QAM      | 1910.00            | -32.44              | -13            | PASS    |
| Band2 | 15                 | 18675         | 75         | #0             | QPSK       | 1849.79            | -34.80              | -13            | PASS    |
| Band2 | 15                 | 18675         | 75         | #0             | 16QAM      | 1849.97            | -36.51              | -13            | PASS    |
| Band2 | 15                 | 19125         | 75         | #0             | QPSK       | 1910.03            | -31.69              | -13            | PASS    |
| Band2 | 15                 | 19125         | 75         | #0             | 16QAM      | 1910.00            | -37.95              | -13            | PASS    |
| Band2 | 20                 | 18700         | 100        | #0             | QPSK       | 1849.92            | -36.52              | -13            | PASS    |
| Band2 | 20                 | 18700         | 100        | #0             | 16QAM      | 1850.00            | -37.92              | -13            | PASS    |
| Band2 | 20                 | 19100         | 100        | #0             | QPSK       | 1910.04            | -37.81              | -13            | PASS    |
| Band2 | 20                 | 19100         | 100        | #0             | 16QAM      | 1910.12            | -37.69              | -13            | PASS    |

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



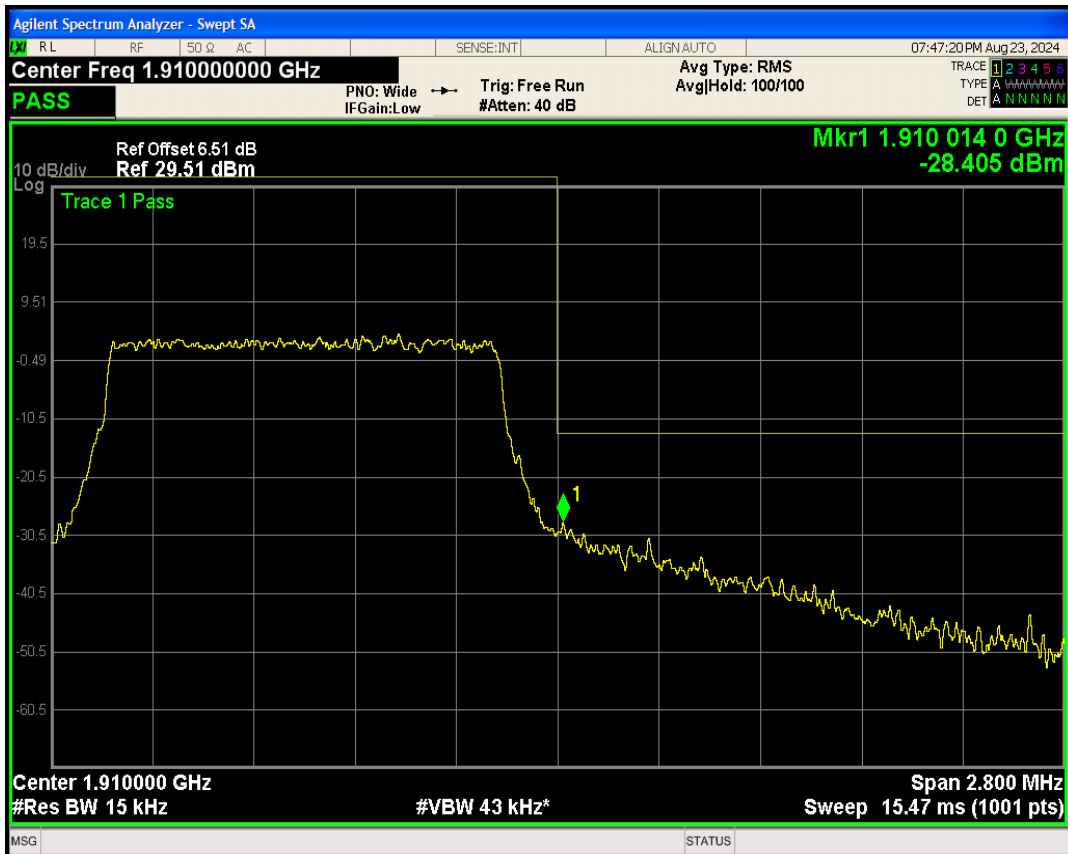
Band2 16QAM BW=1.4MHz Channel=18607 RB Size=6 Position=#0



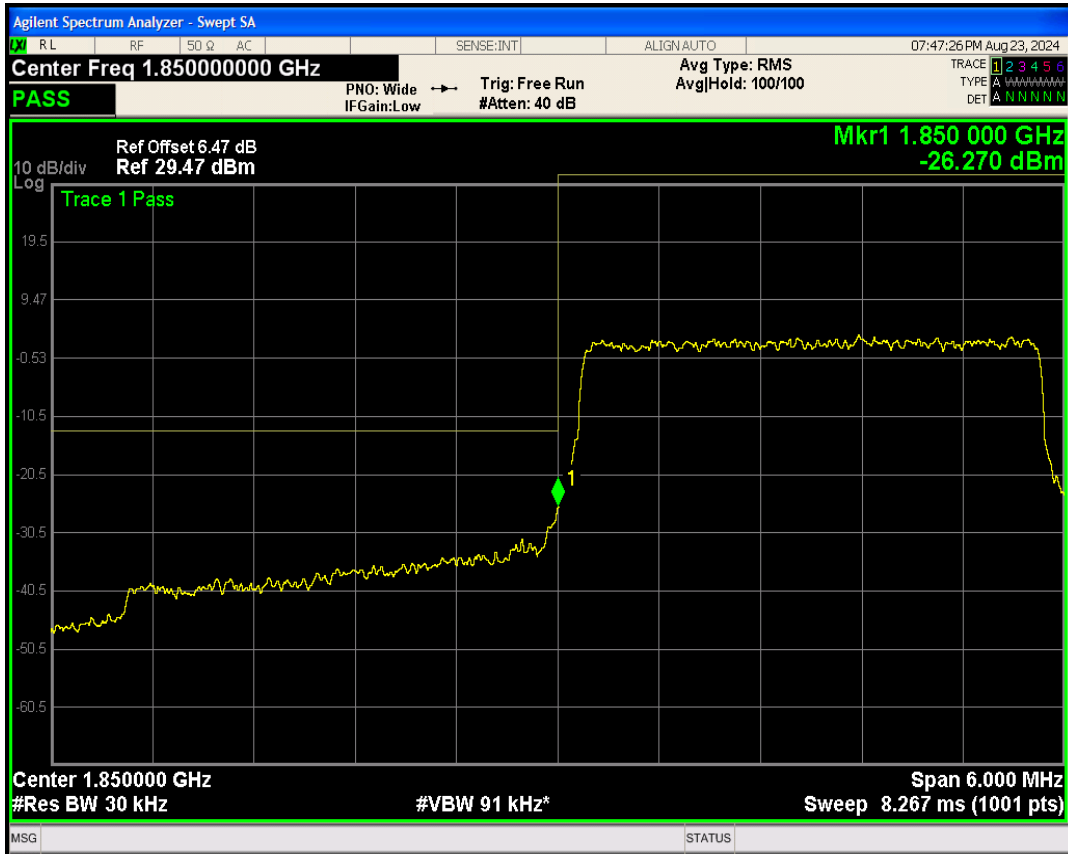
Band2 QPSK BW=1.4MHz Channel=19193 RB Size=6 Position=#0



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



Band2 QPSK BW=3MHz Channel=18615 RB Size=15 Position=#0



Band2 16QAM BW=3MHz Channel=18615 RB Size=15 Position=#0



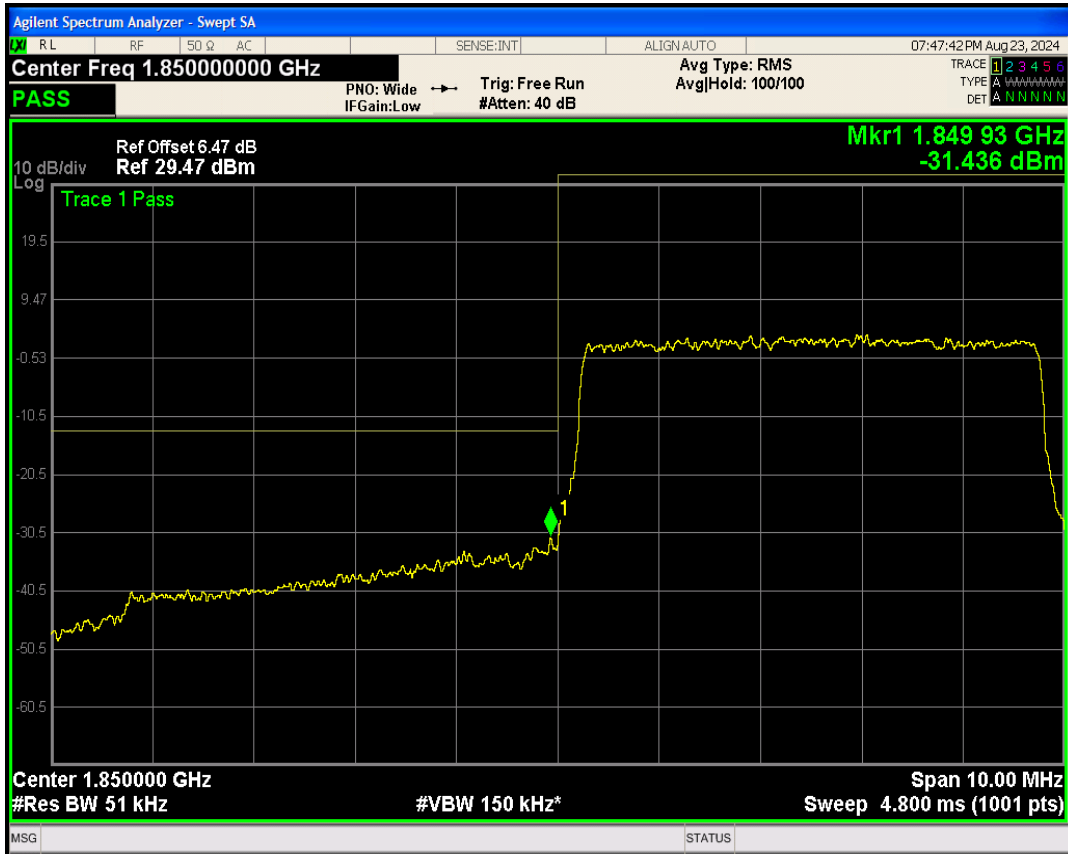
Band2 QPSK BW=3MHz Channel=19185 RB Size=15 Position=#0



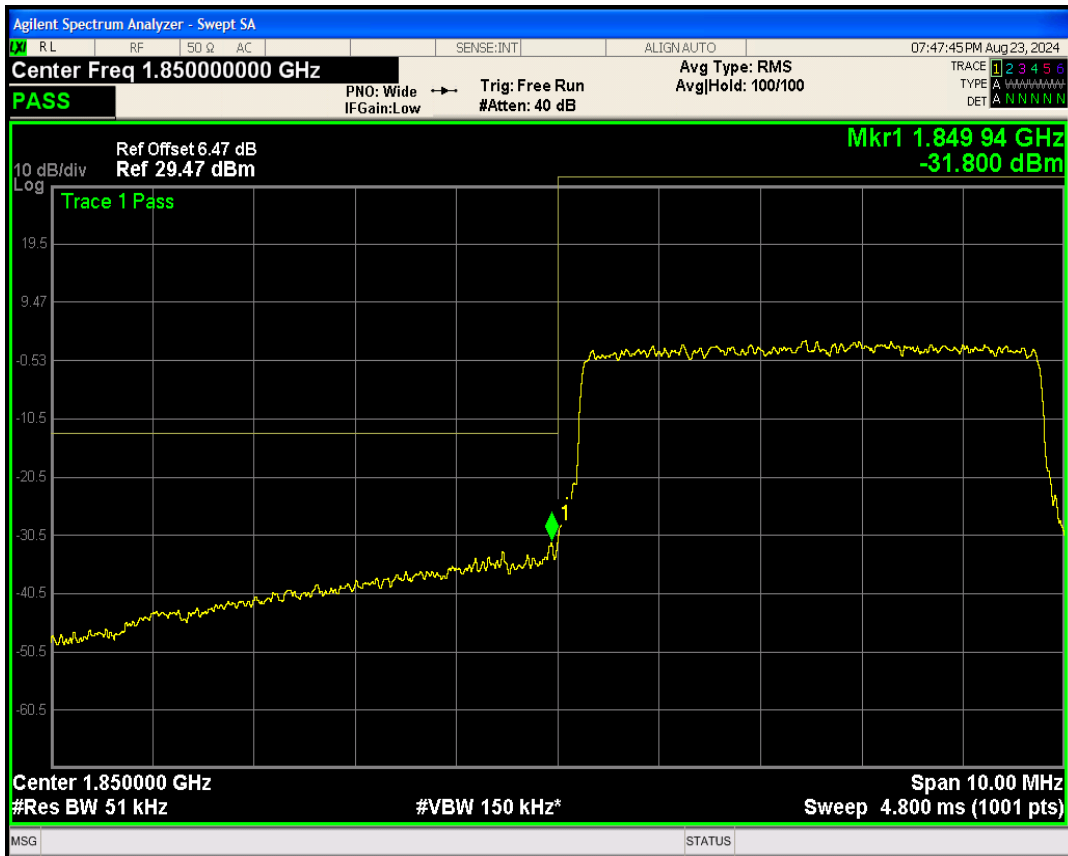
Band2 16QAM BW=3MHz Channel=19185 RB Size=15 Position=#0



Band2 QPSK BW=5MHz Channel=18625 RB Size=25 Position=#0



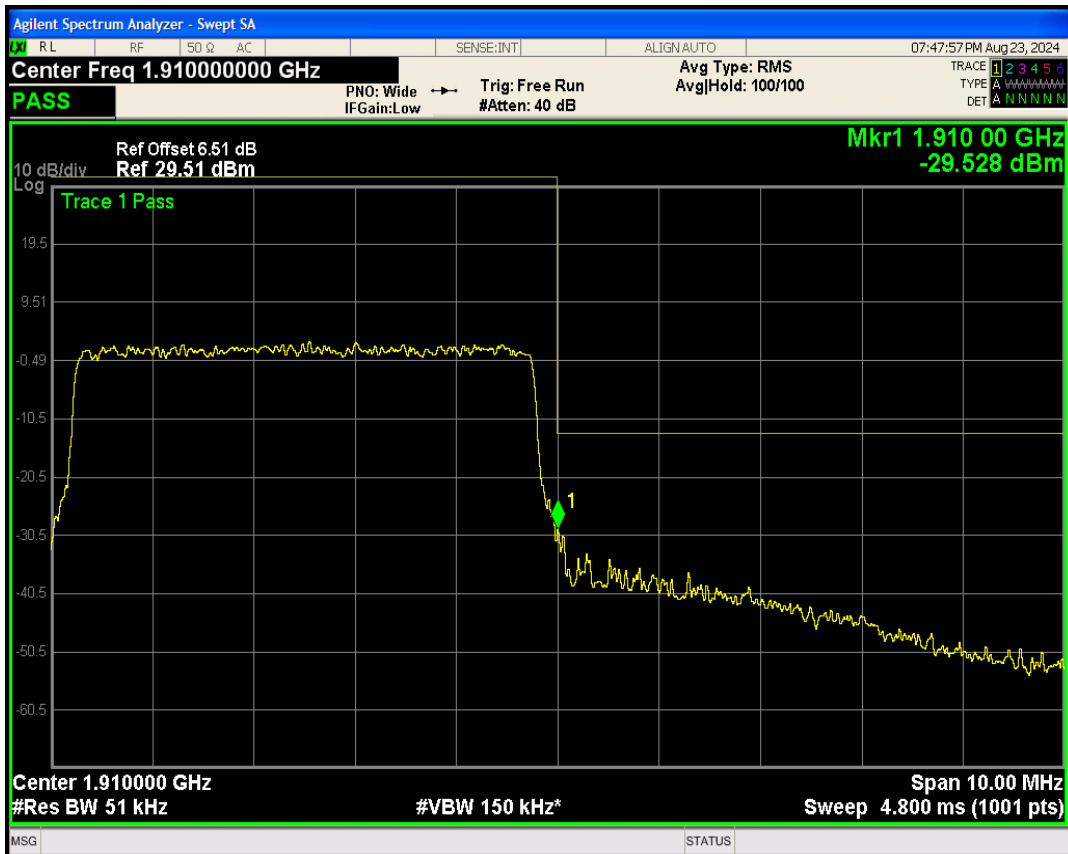
Band2 16QAM BW=5MHz Channel=18625 RB Size=25 Position=#0



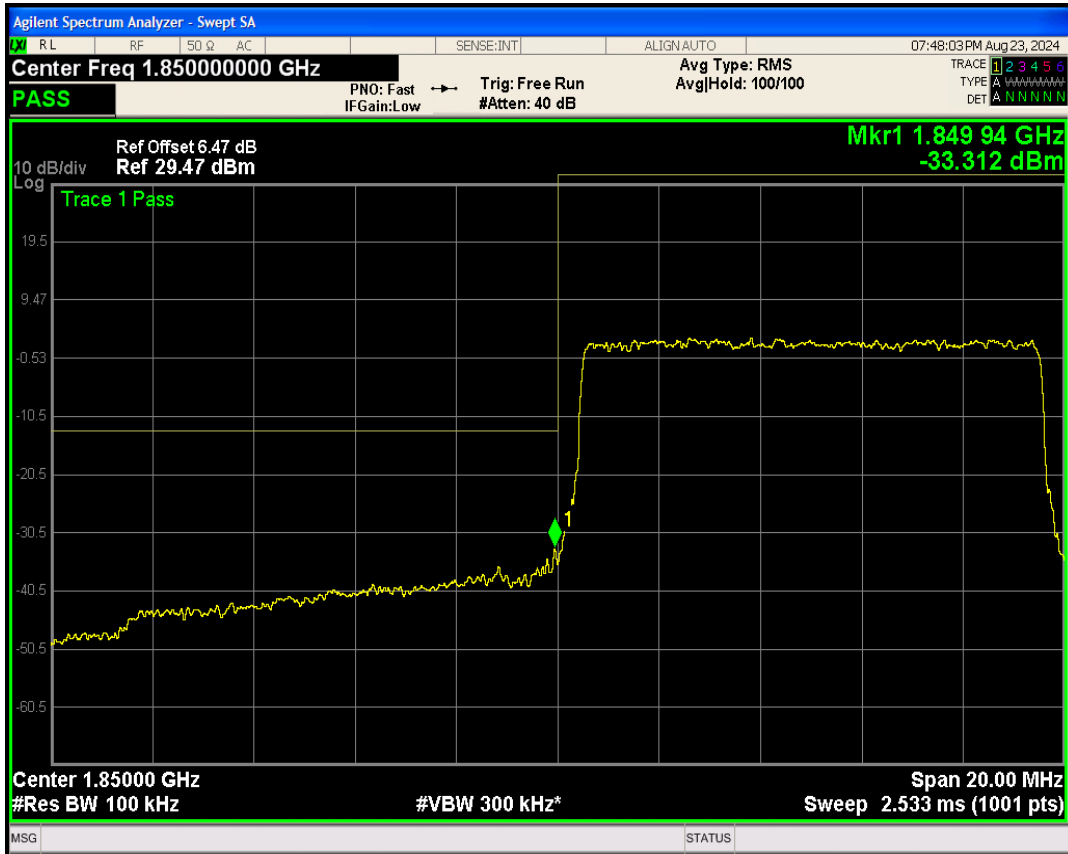
Band2 QPSK BW=5MHz Channel=19175 RB Size=25 Position=#0



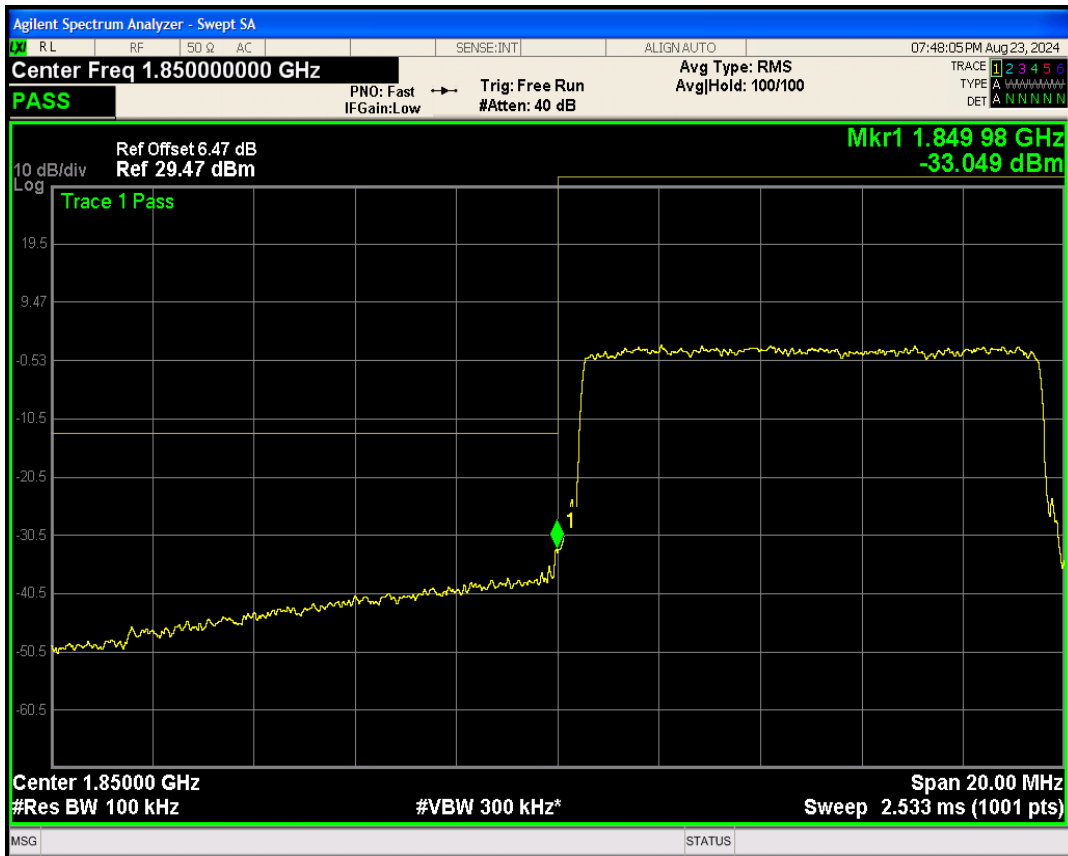
Band2 16QAM BW=5MHz Channel=19175 RB Size=25 Position=#0



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



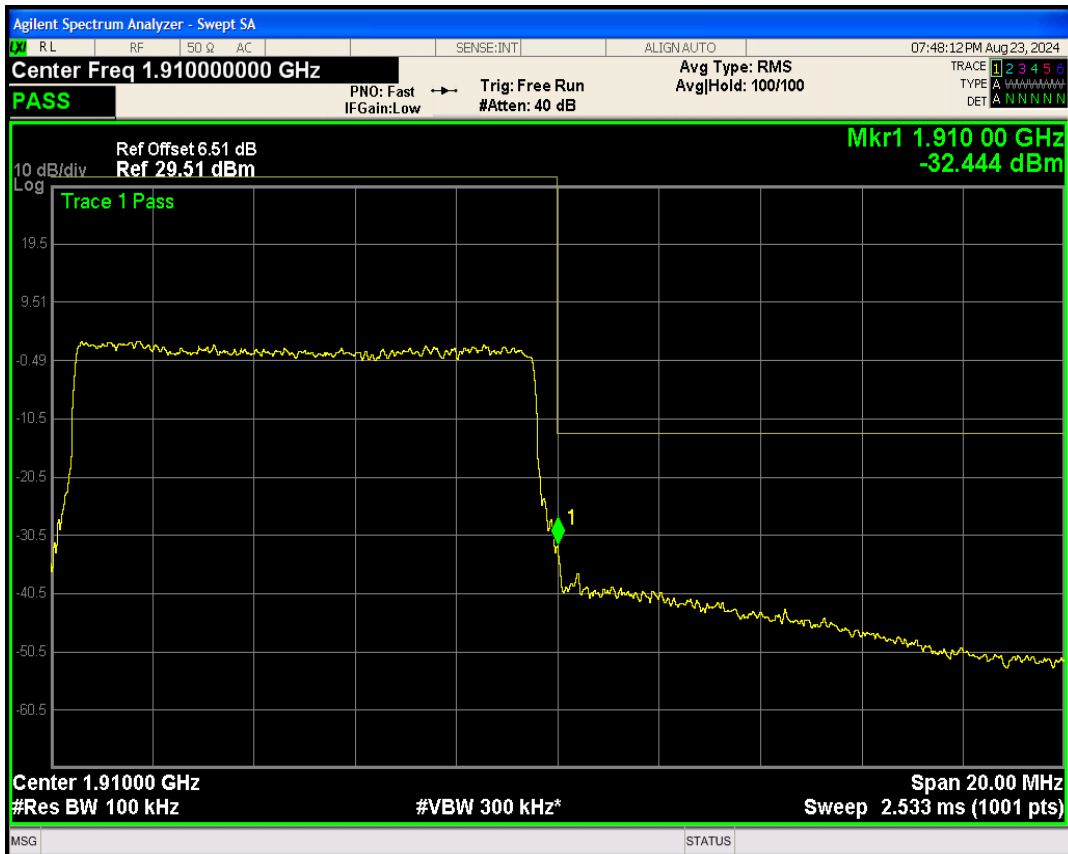
Band2 16QAM BW=10MHz Channel=18650 RB Size=50 Position=#0



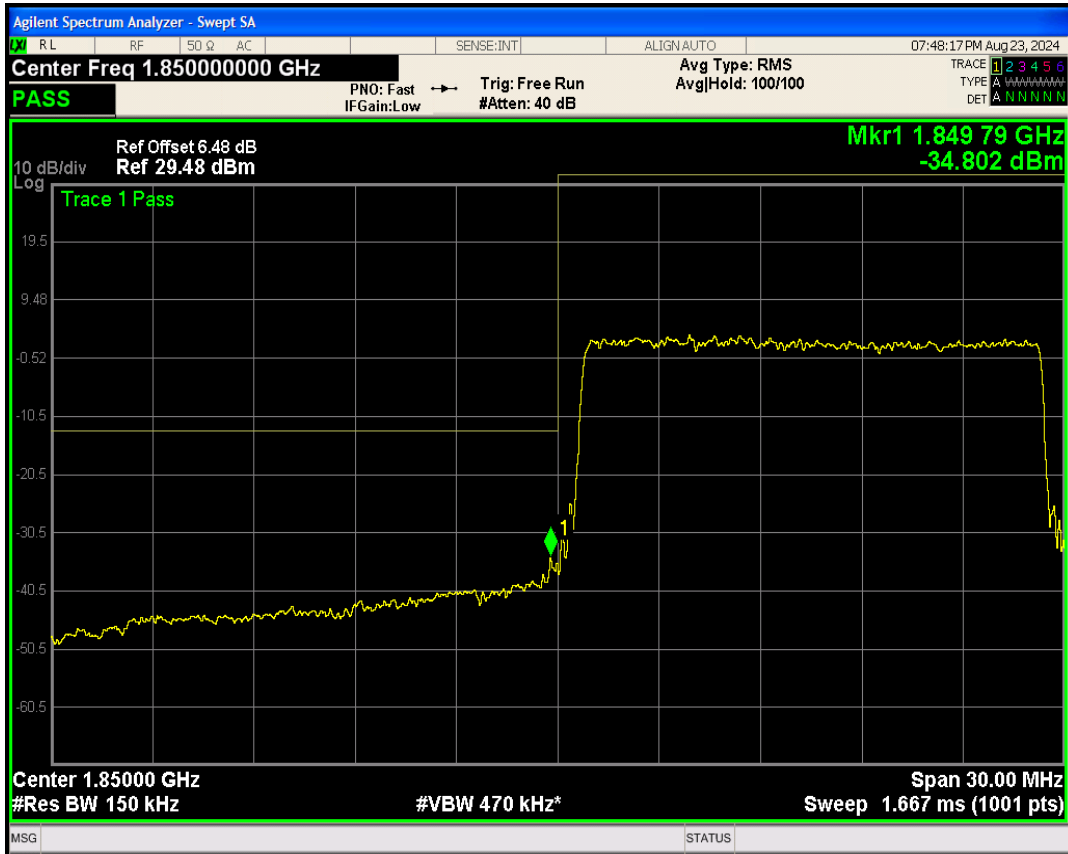
Band2 QPSK BW=10MHz Channel=19150 RB Size=50 Position=#0



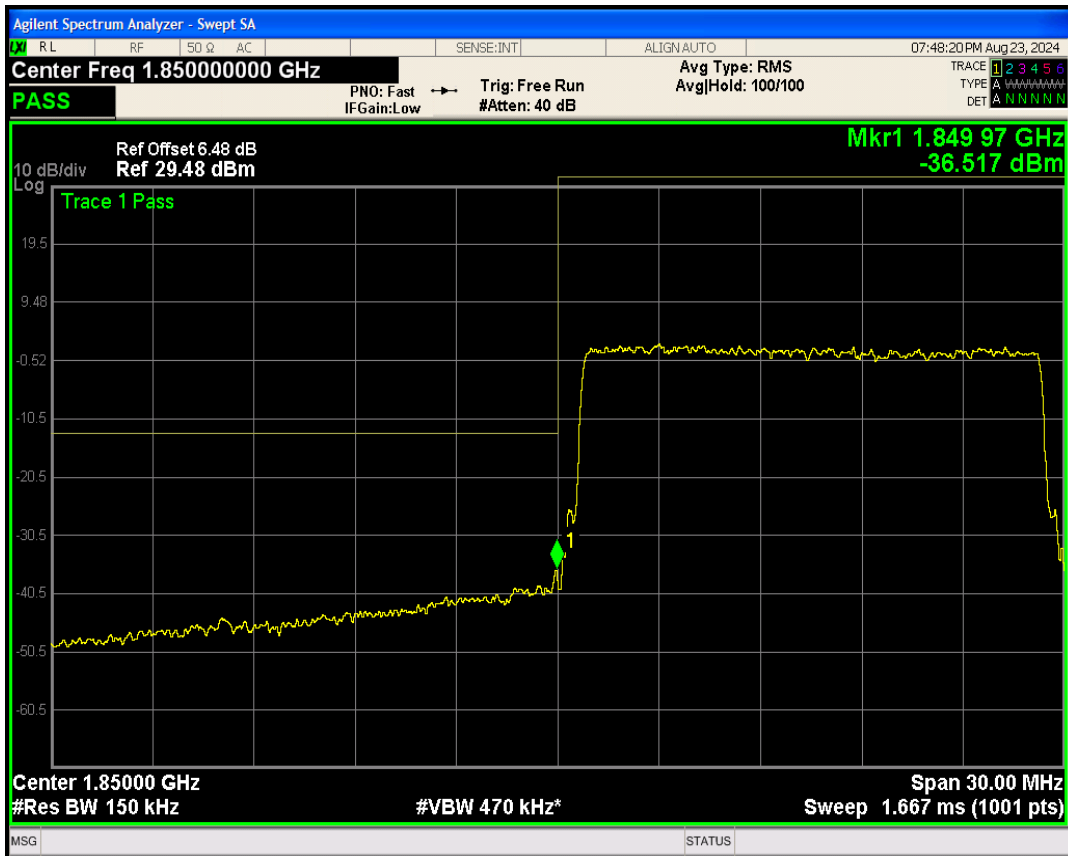
Band2 16QAM BW=10MHz Channel=19150 RB Size=50 Position=#0



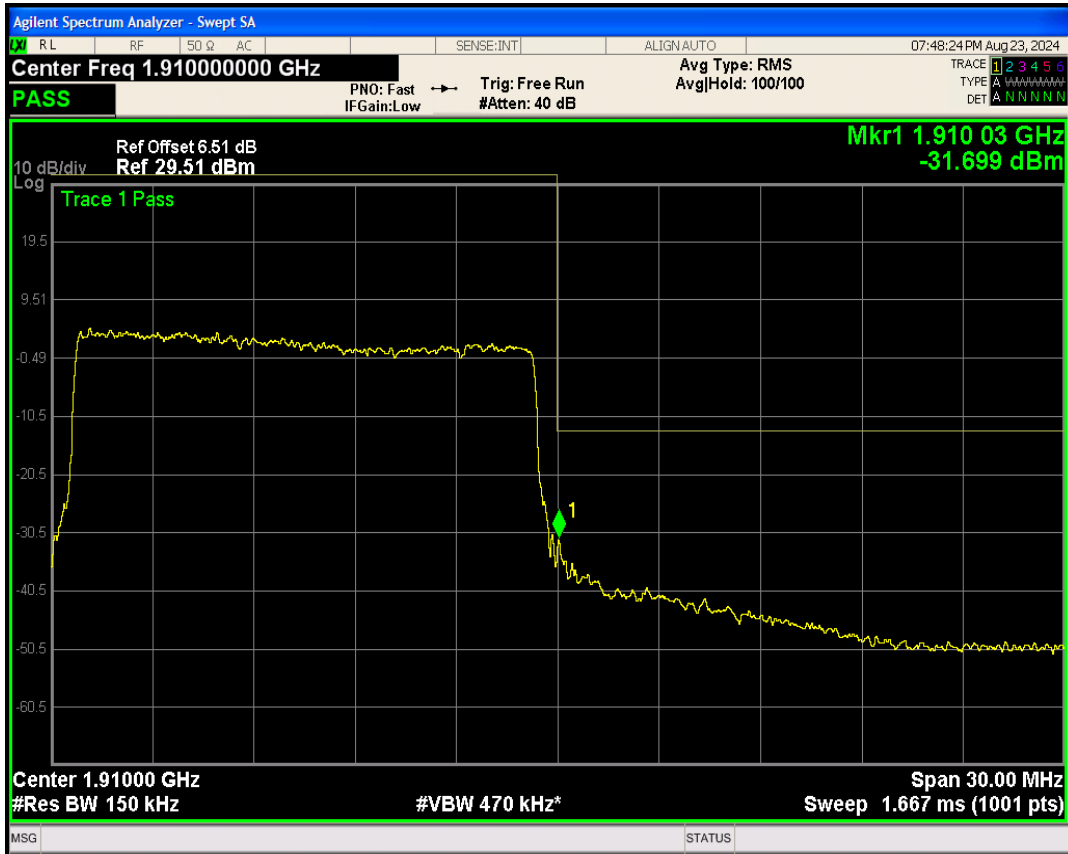
Band2 QPSK BW=15MHz Channel=18675 RB Size=75 Position=#0



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



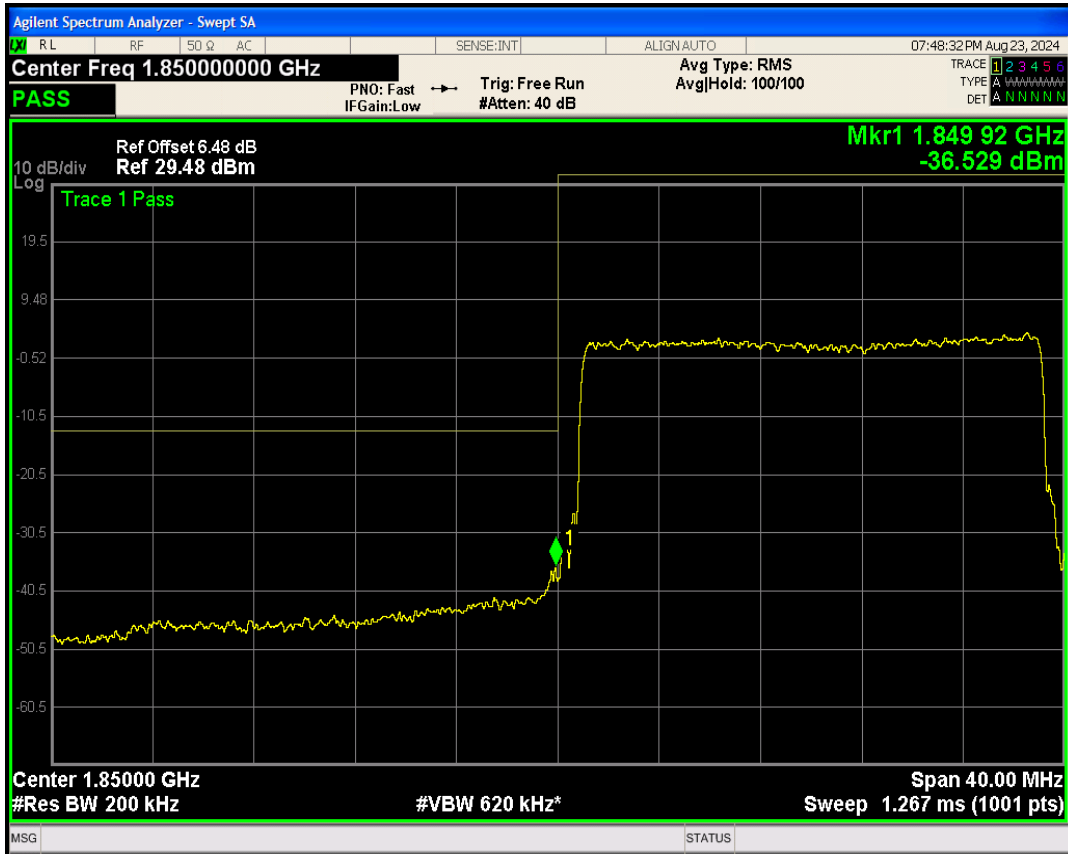
Band2 QPSK BW=15MHz Channel=19125 RB Size=75 Position=#0



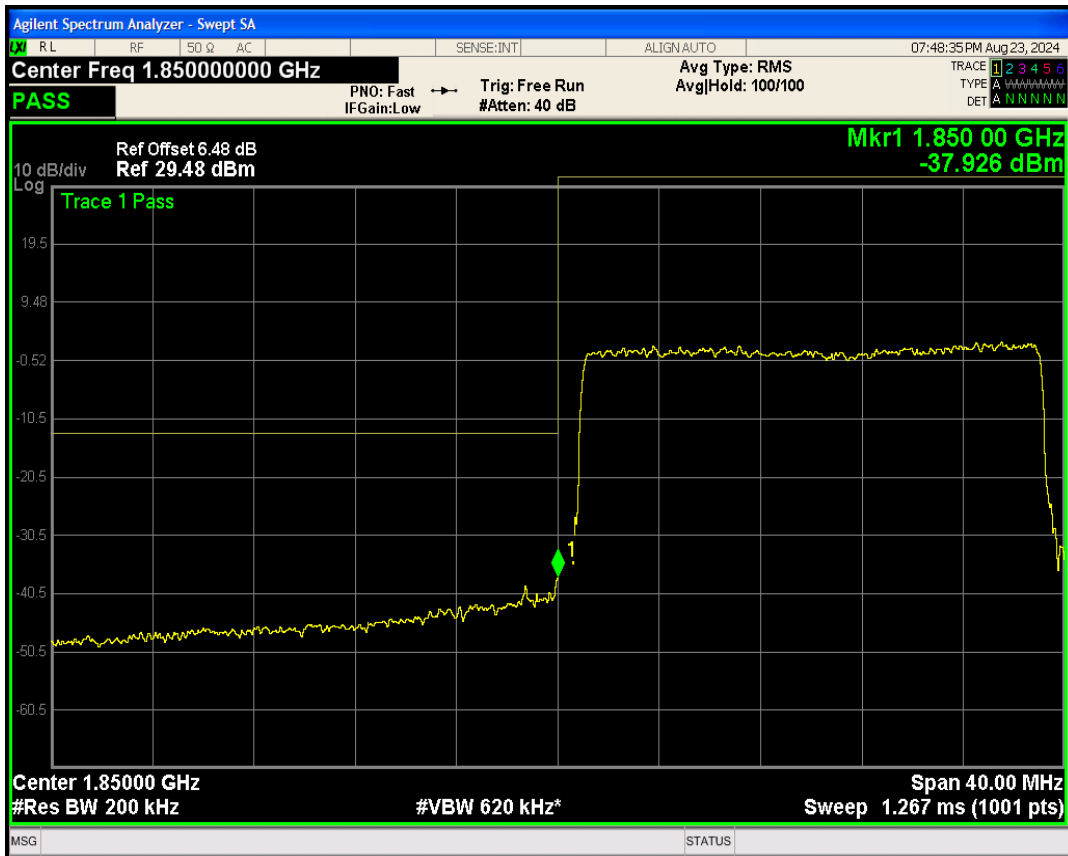
Band2 16QAM BW=15MHz Channel=19125 RB Size=75 Position=#0



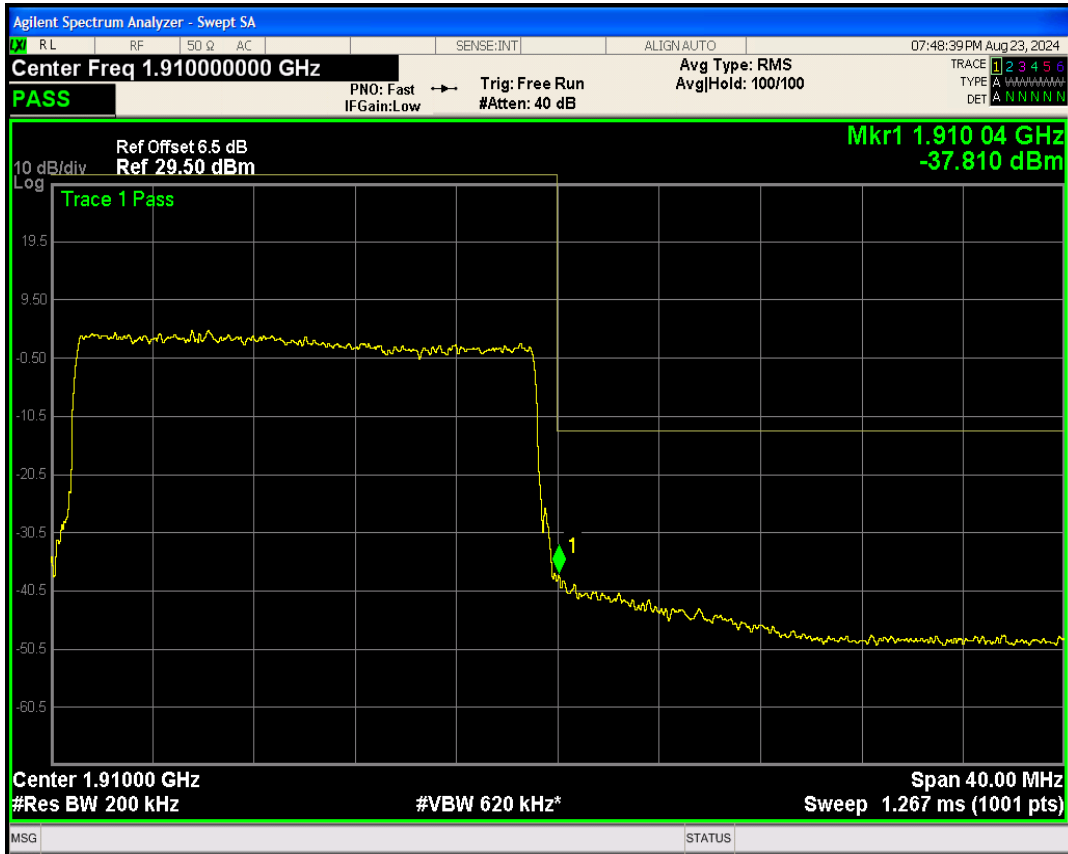
Band2 QPSK BW=20MHz Channel=18700 RB Size=100 Position=#0



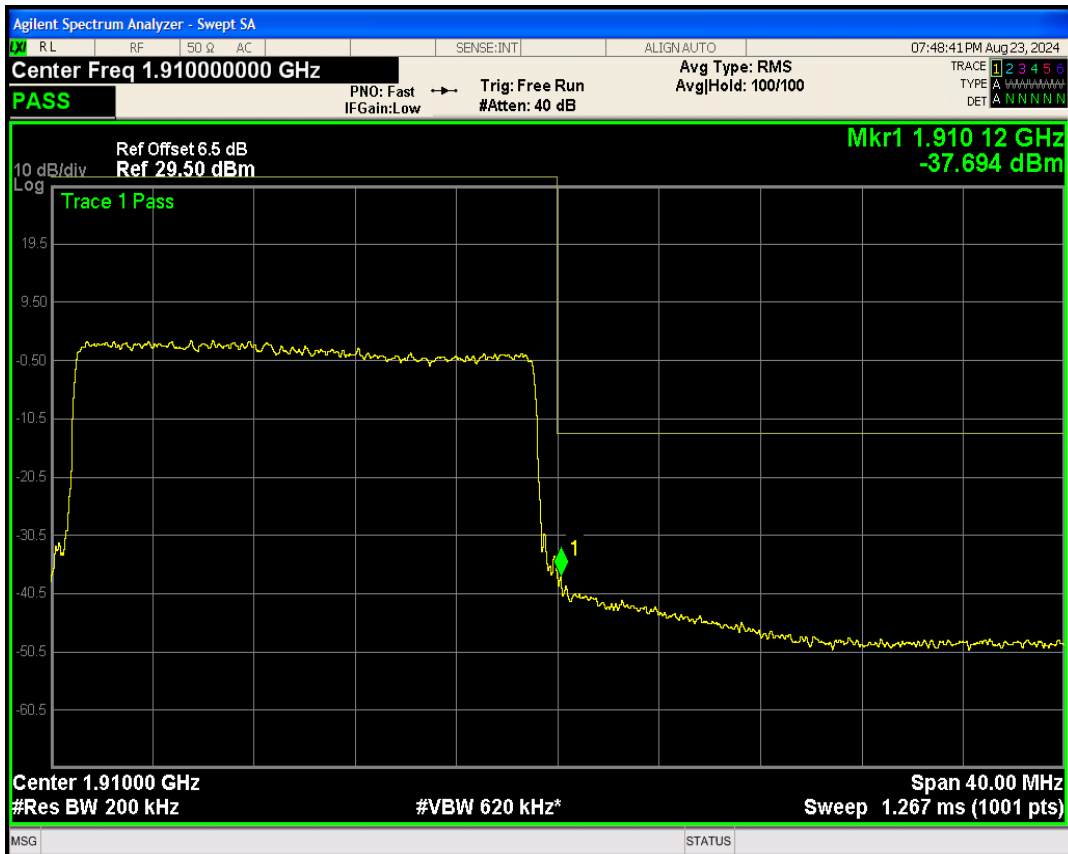
Band2 16QAM BW=20MHz Channel=18700 RB Size=100 Position=#0



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



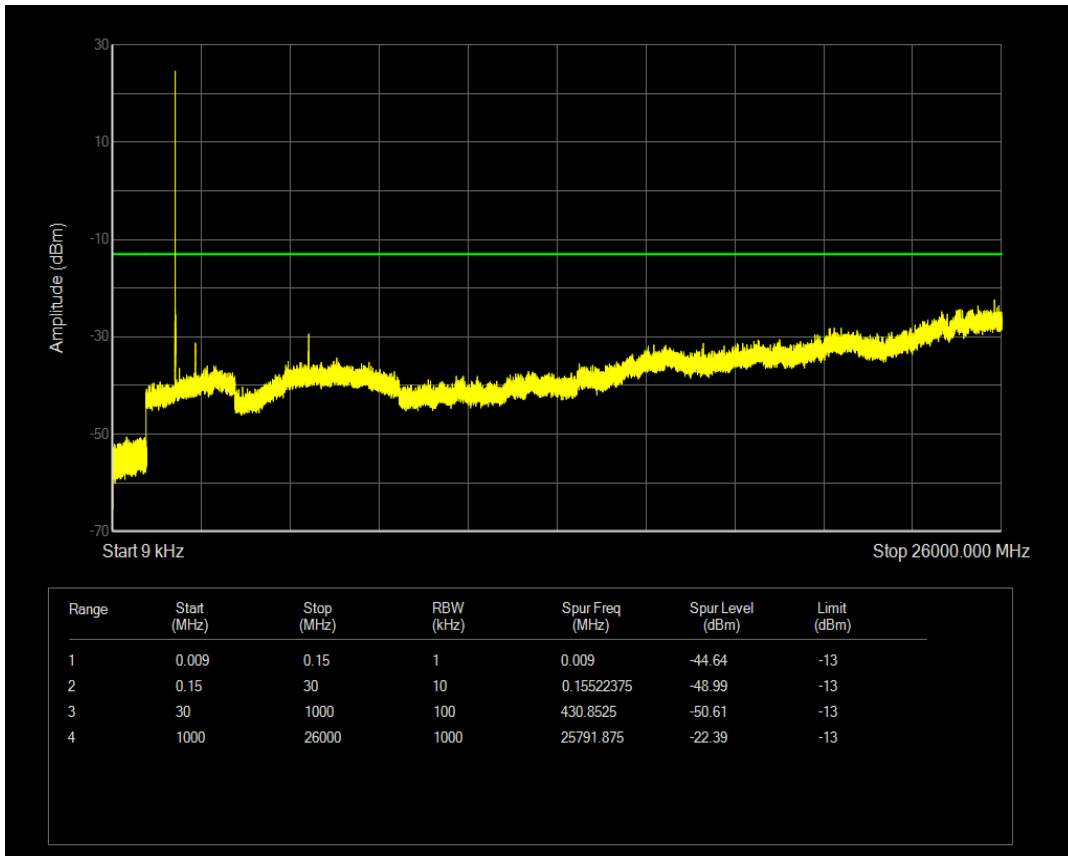
Band2 16QAM BW=20MHz Channel=19100 RB Size=100 Position=#0



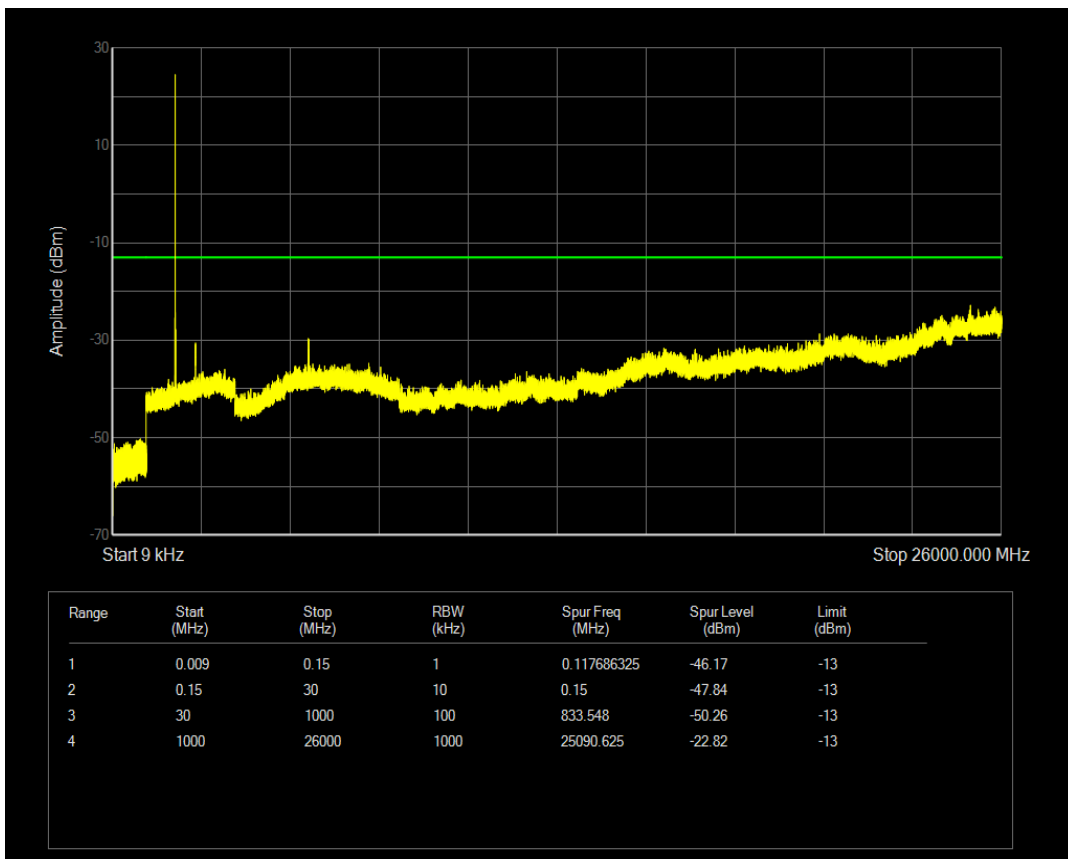
## Appendix 6. Out-of-band emissions

| Band  | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Size | RB<br>Position | Modulation | Spur Freq<br>(MHz) | Spur Level<br>(dBm) | Limit<br>(dBm) | Verdict |
|-------|--------------------|---------------|------------|----------------|------------|--------------------|---------------------|----------------|---------|
| Band2 | 1.4                | 18607         | 6          | #0             | QPSK       | 25791.88           | -22.39              | -13            | PASS    |
| Band2 | 1.4                | 18607         | 6          | #0             | 16QAM      | 25090.63           | -22.82              | -13            | PASS    |
| Band2 | 1.4                | 18900         | 6          | #0             | QPSK       | 25628.75           | -23.56              | -13            | PASS    |
| Band2 | 1.4                | 18900         | 6          | #0             | 16QAM      | 25881.88           | -23.04              | -13            | PASS    |
| Band2 | 1.4                | 19193         | 6          | #0             | QPSK       | 24688.75           | -23.01              | -13            | PASS    |
| Band2 | 1.4                | 19193         | 6          | #0             | 16QAM      | 24710.63           | -23.31              | -13            | PASS    |
| Band2 | 3                  | 18615         | 15         | #0             | QPSK       | 2432.50            | -22.81              | -13            | PASS    |
| Band2 | 3                  | 18615         | 15         | #0             | 16QAM      | 25588.13           | -23.50              | -13            | PASS    |
| Band2 | 3                  | 18900         | 15         | #0             | QPSK       | 25740.00           | -23.77              | -13            | PASS    |
| Band2 | 3                  | 18900         | 15         | #0             | 16QAM      | 25586.25           | -22.69              | -13            | PASS    |
| Band2 | 3                  | 19185         | 15         | #0             | QPSK       | 25816.88           | -23.04              | -13            | PASS    |
| Band2 | 3                  | 19185         | 15         | #0             | 16QAM      | 25793.13           | -23.06              | -13            | PASS    |
| Band2 | 5                  | 18625         | 25         | #0             | QPSK       | 25918.13           | -23.98              | -13            | PASS    |
| Band2 | 5                  | 18625         | 25         | #0             | 16QAM      | 25773.13           | -22.74              | -13            | PASS    |
| Band2 | 5                  | 18900         | 25         | #0             | QPSK       | 24790.63           | -23.44              | -13            | PASS    |
| Band2 | 5                  | 18900         | 25         | #0             | 16QAM      | 25336.25           | -23.85              | -13            | PASS    |
| Band2 | 5                  | 19175         | 25         | #0             | QPSK       | 25405.00           | -23.45              | -13            | PASS    |
| Band2 | 5                  | 19175         | 25         | #0             | 16QAM      | 25943.75           | -22.66              | -13            | PASS    |
| Band2 | 10                 | 18650         | 50         | #0             | QPSK       | 24790.63           | -23.73              | -13            | PASS    |
| Band2 | 10                 | 18650         | 50         | #0             | 16QAM      | 25689.38           | -24.01              | -13            | PASS    |
| Band2 | 10                 | 18900         | 50         | #0             | QPSK       | 25060.63           | -23.64              | -13            | PASS    |
| Band2 | 10                 | 18900         | 50         | #0             | 16QAM      | 25961.25           | -23.14              | -13            | PASS    |
| Band2 | 10                 | 19150         | 50         | #0             | QPSK       | 25951.25           | -22.26              | -13            | PASS    |
| Band2 | 10                 | 19150         | 50         | #0             | 16QAM      | 25136.25           | -23.60              | -13            | PASS    |
| Band2 | 15                 | 18675         | 75         | #0             | QPSK       | 25745.00           | -23.58              | -13            | PASS    |
| Band2 | 15                 | 18675         | 75         | #0             | 16QAM      | 25872.50           | -23.52              | -13            | PASS    |
| Band2 | 15                 | 18900         | 75         | #0             | QPSK       | 25842.50           | -23.47              | -13            | PASS    |
| Band2 | 15                 | 18900         | 75         | #0             | 16QAM      | 25739.38           | -24.20              | -13            | PASS    |
| Band2 | 15                 | 19125         | 75         | #0             | QPSK       | 25047.50           | -23.42              | -13            | PASS    |
| Band2 | 15                 | 19125         | 75         | #0             | 16QAM      | 24990.63           | -24.01              | -13            | PASS    |
| Band2 | 20                 | 18700         | 100        | #0             | QPSK       | 25407.50           | -22.94              | -13            | PASS    |
| Band2 | 20                 | 18700         | 100        | #0             | 16QAM      | 25476.88           | -23.59              | -13            | PASS    |
| Band2 | 20                 | 18900         | 100        | #0             | QPSK       | 24716.88           | -22.52              | -13            | PASS    |
| Band2 | 20                 | 18900         | 100        | #0             | 16QAM      | 25573.13           | -23.50              | -13            | PASS    |
| Band2 | 20                 | 19100         | 100        | #0             | QPSK       | 25588.75           | -23.56              | -13            | PASS    |
| Band2 | 20                 | 19100         | 100        | #0             | 16QAM      | 25755.00           | -23.53              | -13            | PASS    |

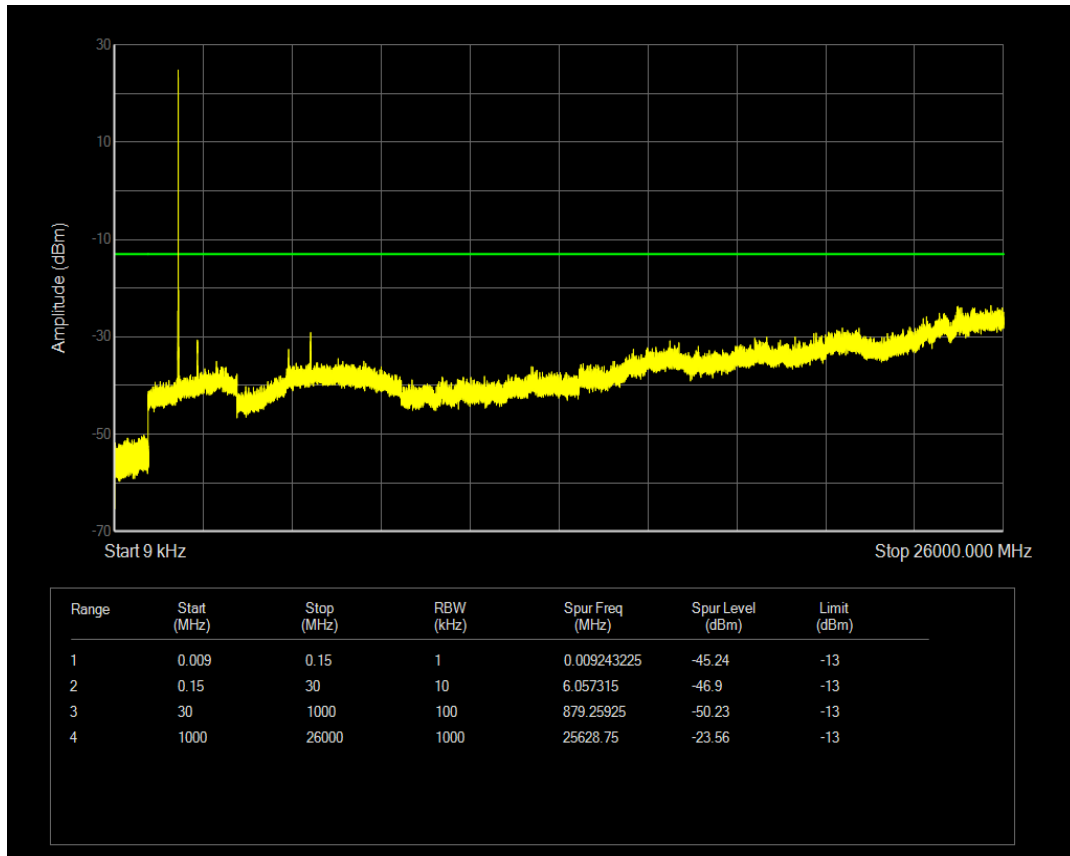
Band2 QPSK BW=1.4MHz Channel=18607 RB Size=6 Position=#0



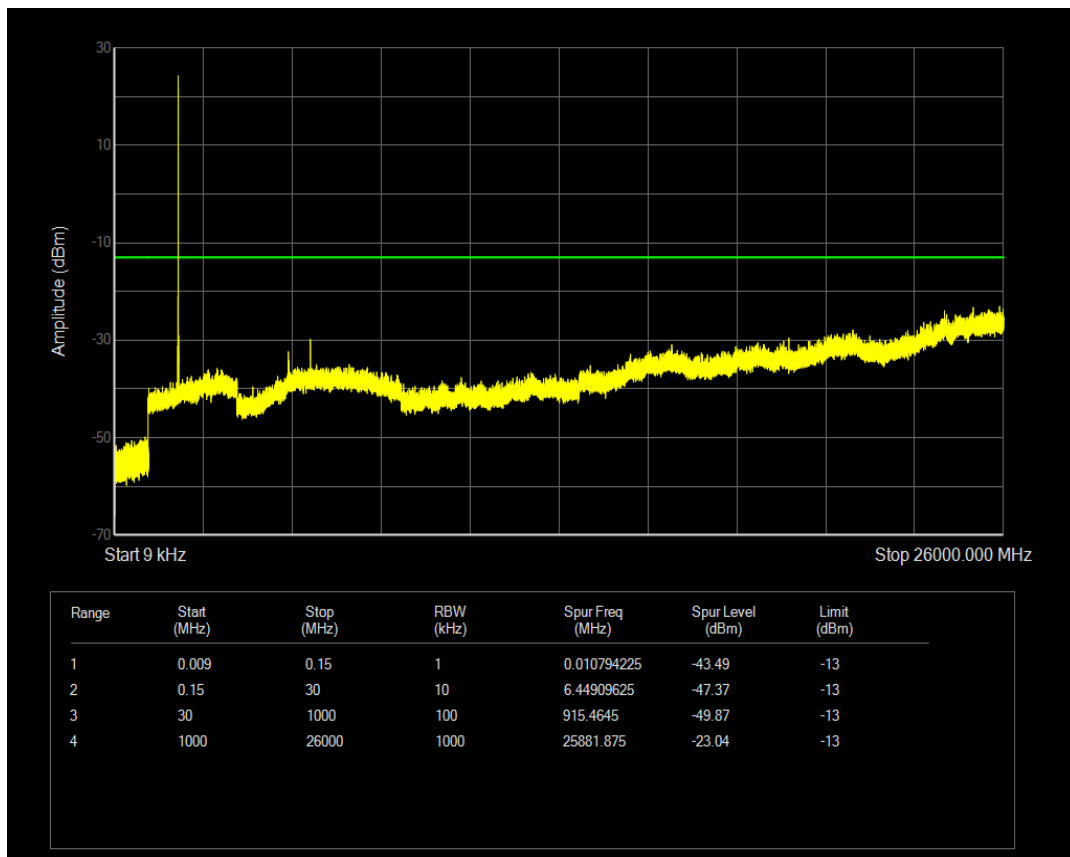
Band2 16QAM BW=1.4MHz Channel=18607 RB Size=6 Position=#0



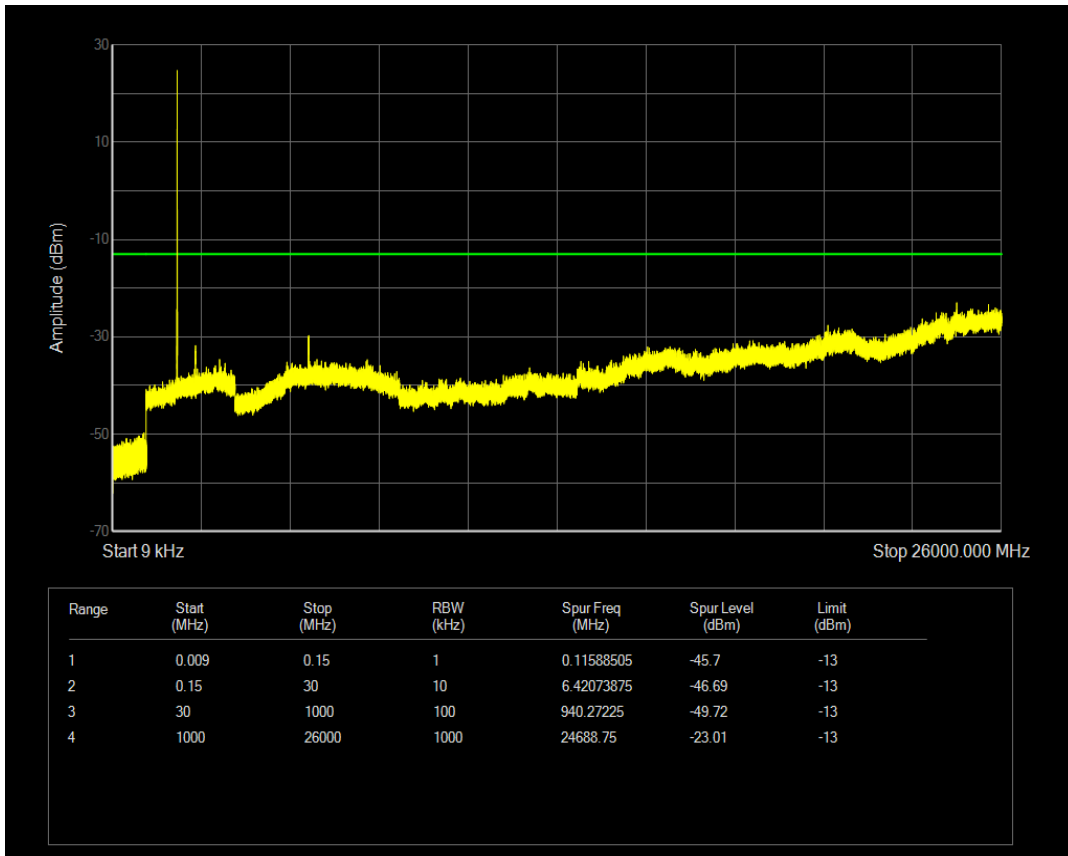
Band2 QPSK BW=1.4MHz Channel=18900 RB Size=6 Position=#0



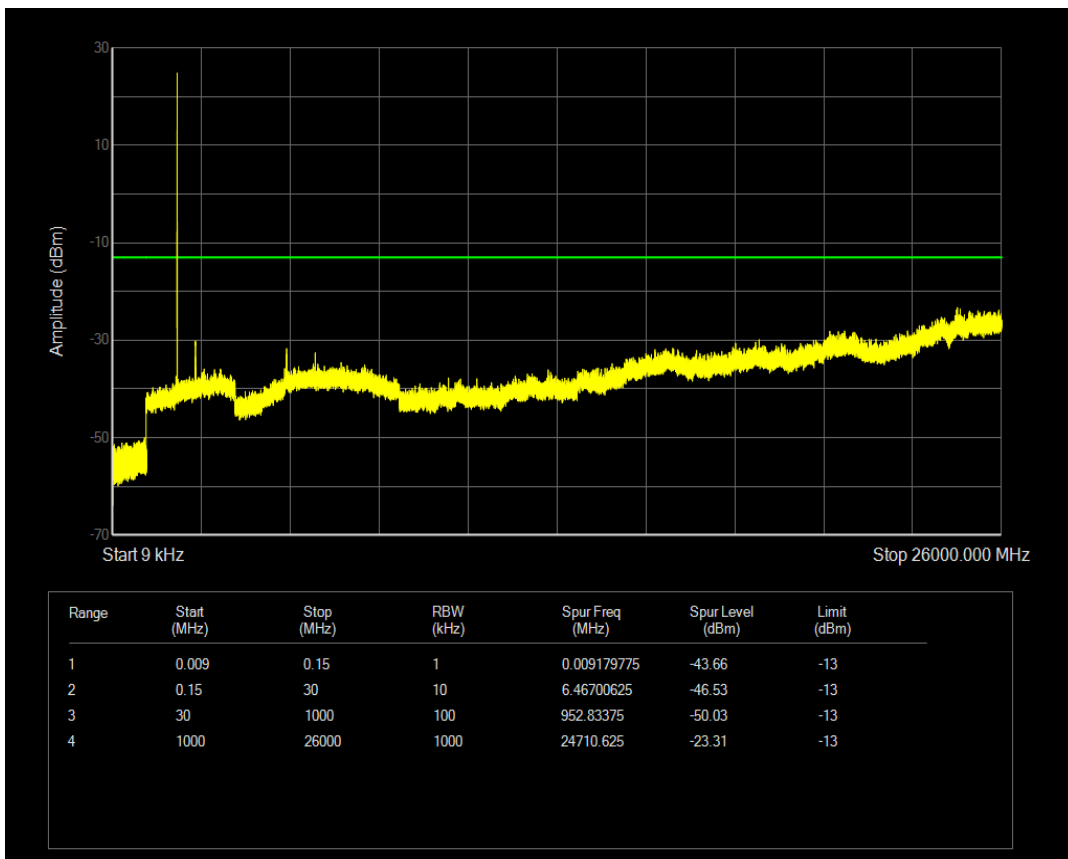
Band2 16QAM BW=1.4MHz Channel=18900 RB Size=6 Position=#0



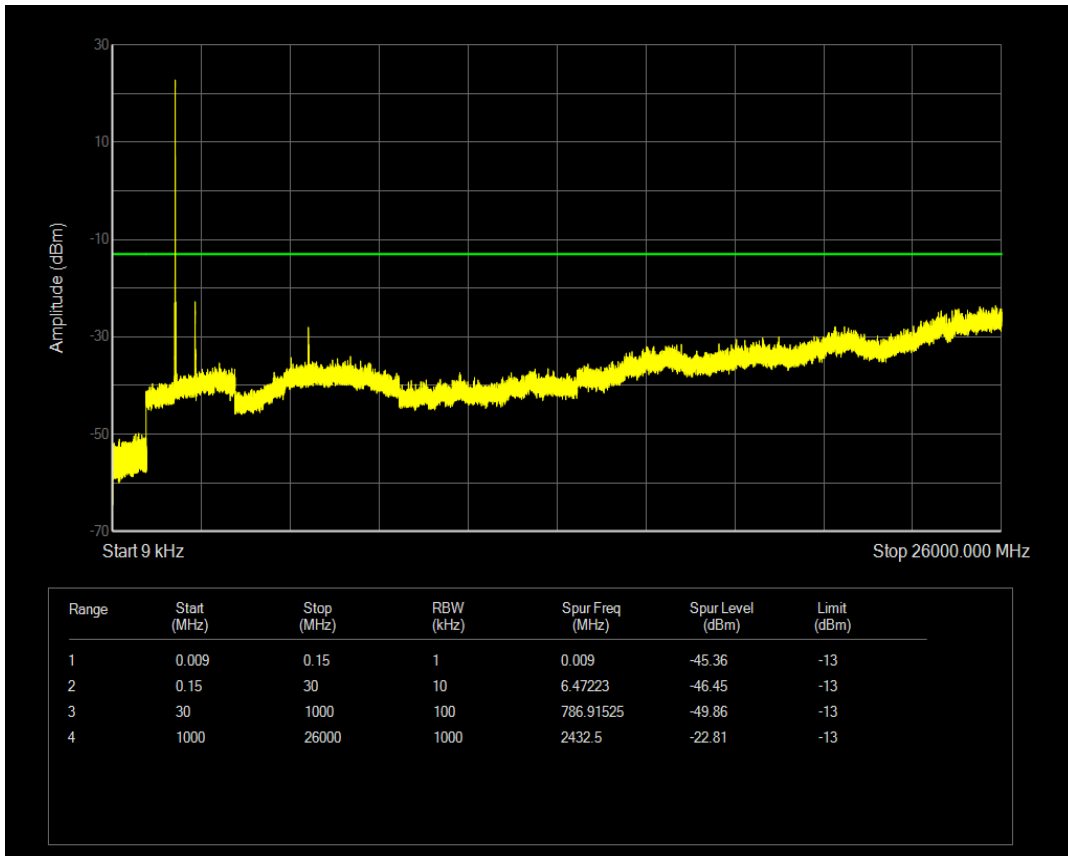
Band2 QPSK BW=1.4MHz Channel=19193 RB Size=6 Position=#0



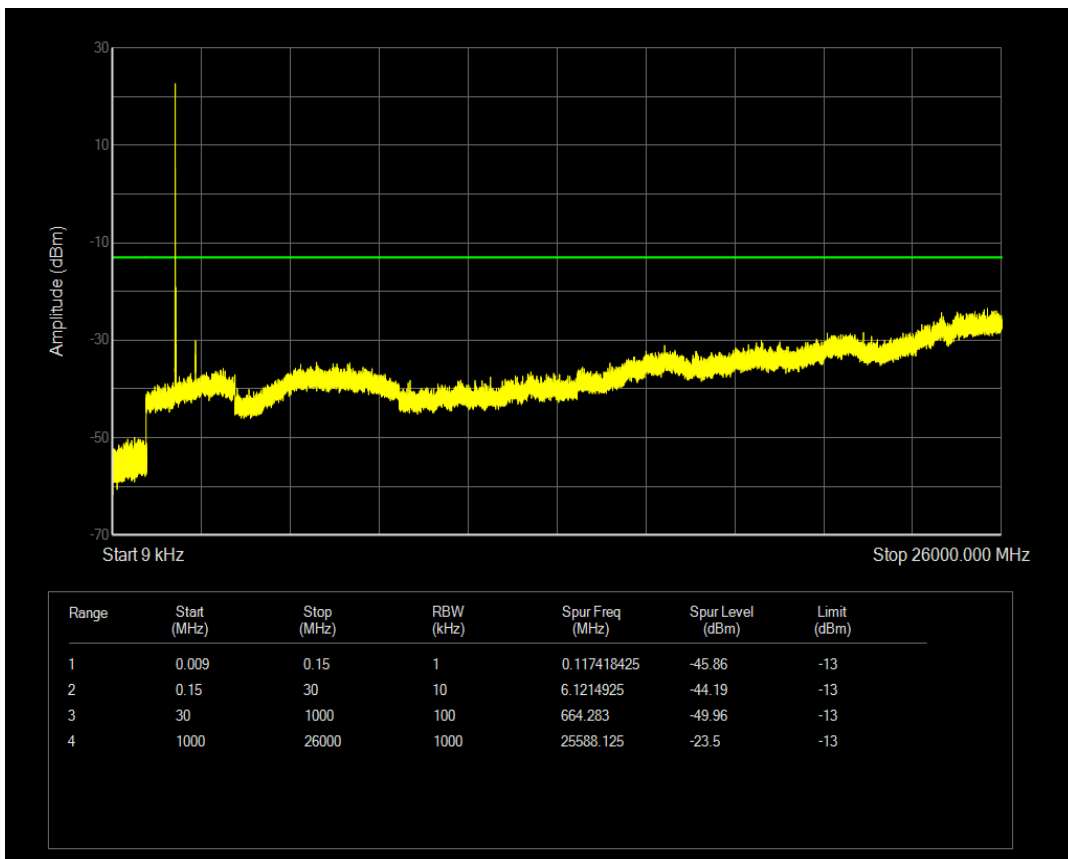
Band2 16QAM BW=1.4MHz Channel=19193 RB Size=6 Position=#0



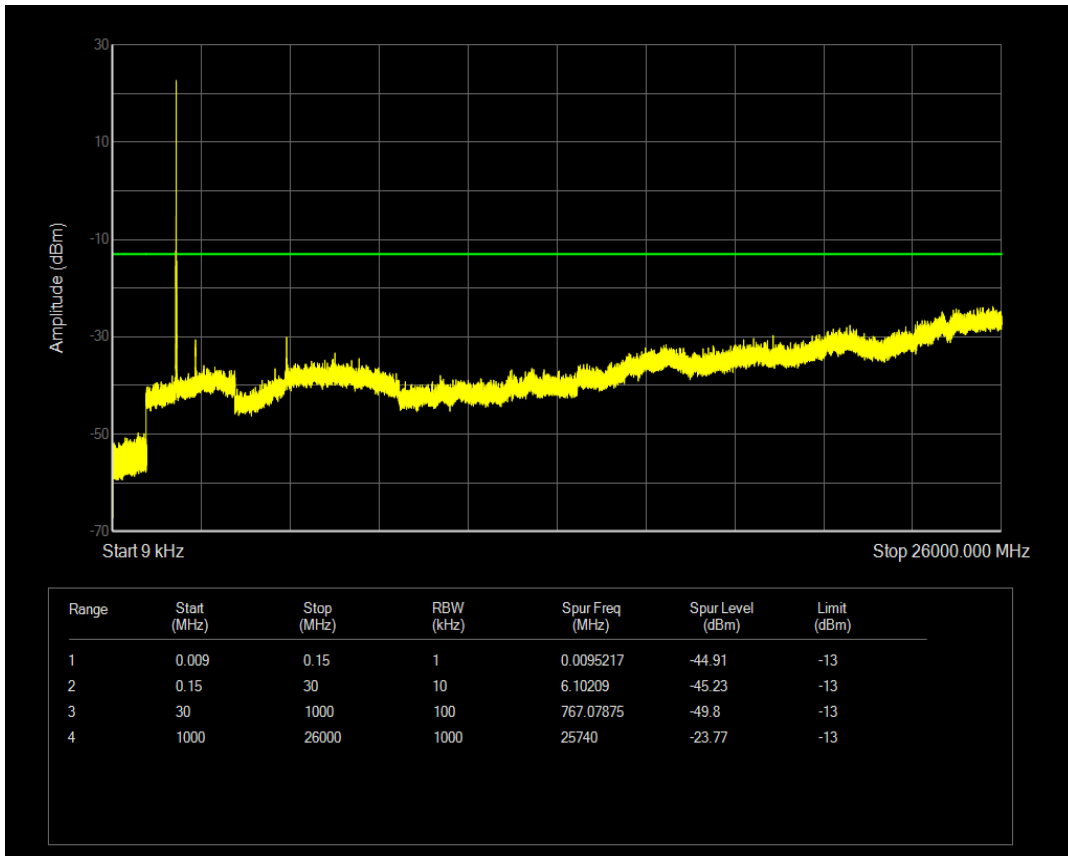
Band2 QPSK BW=3MHz Channel=18615 RB Size=15 Position=#0



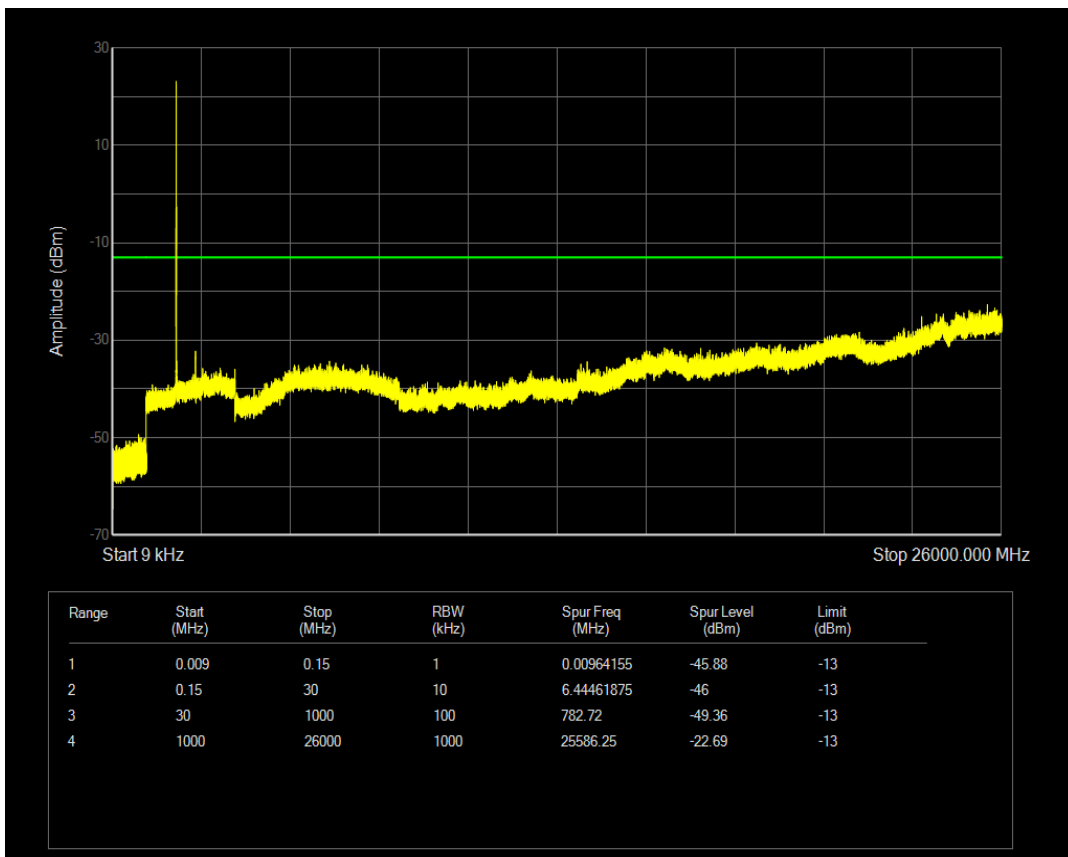
Band2 16QAM BW=3MHz Channel=18615 RB Size=15 Position=#0



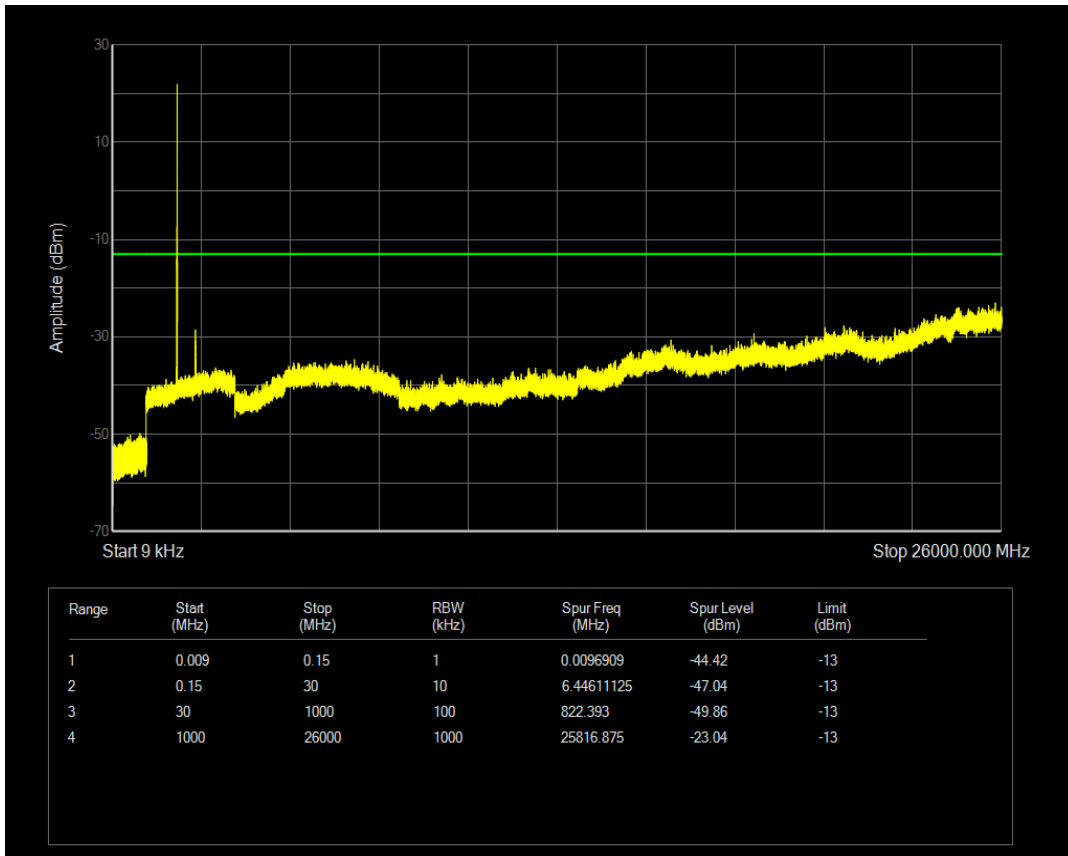
Band2 QPSK BW=3MHz Channel=18900 RB Size=15 Position=#0



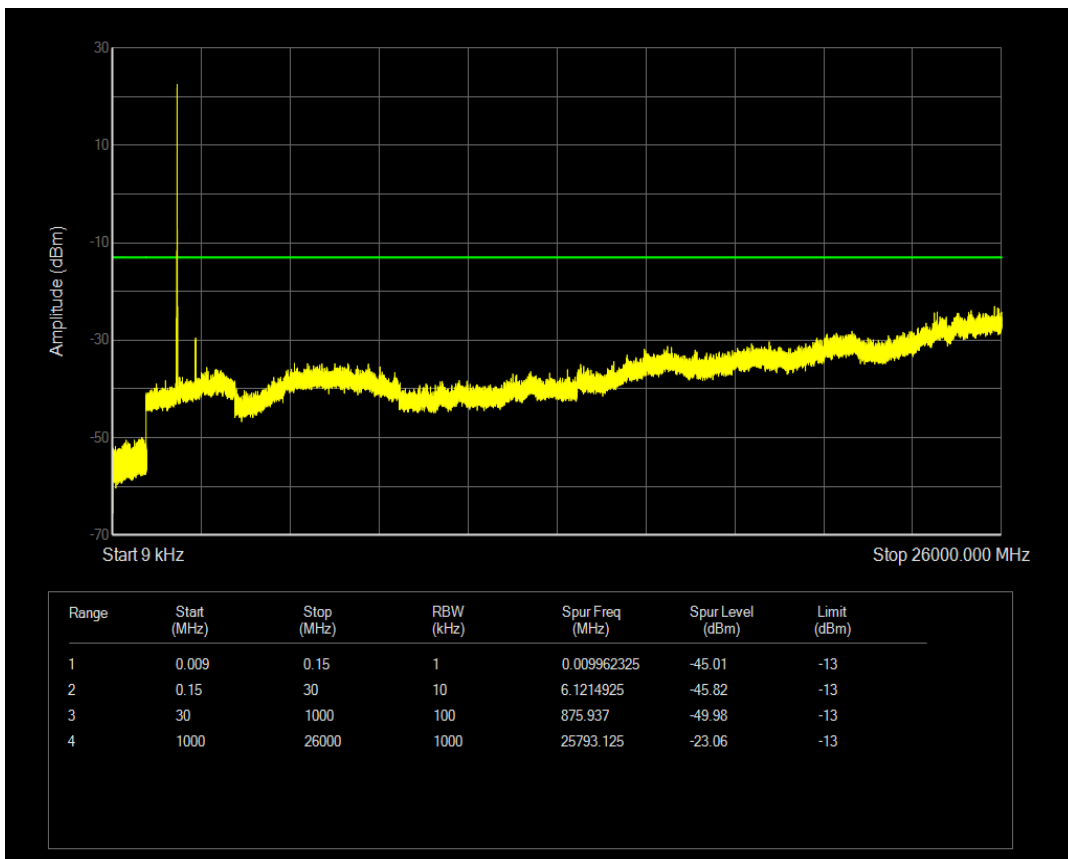
Band2 16QAM BW=3MHz Channel=18900 RB Size=15 Position=#0



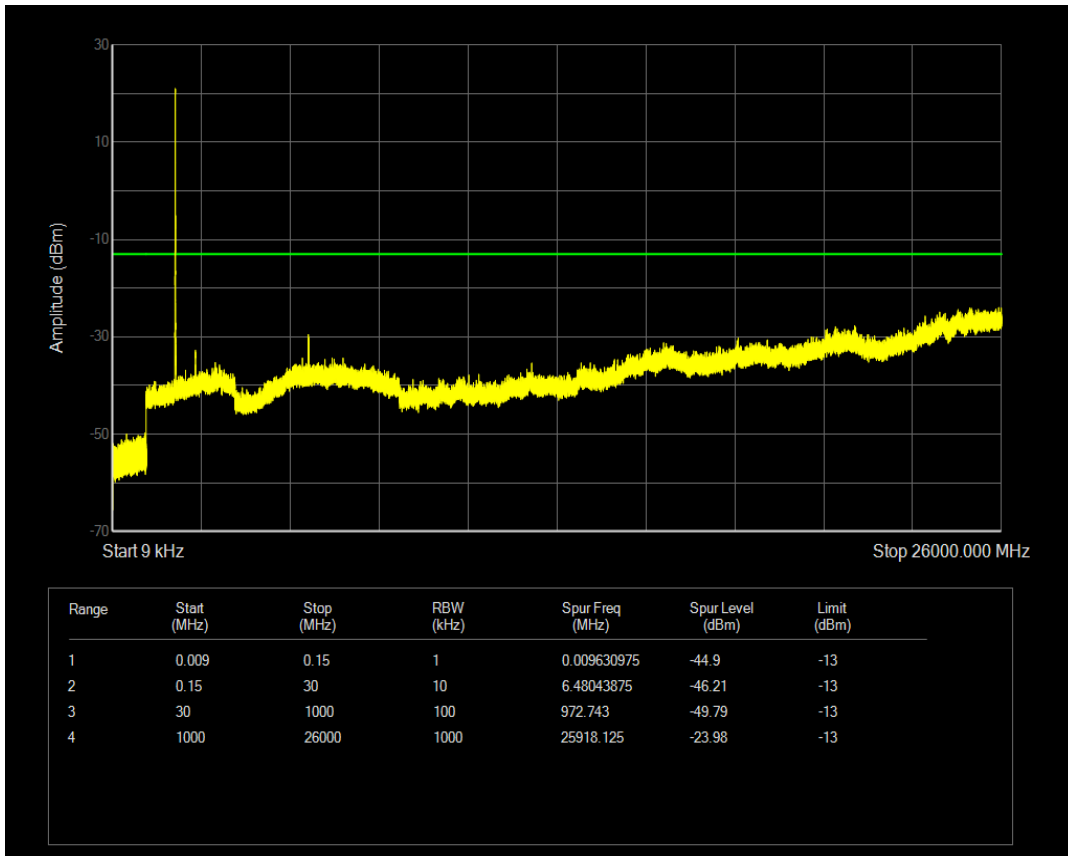
Band2 QPSK BW=3MHz Channel=19185 RB Size=15 Position=#0



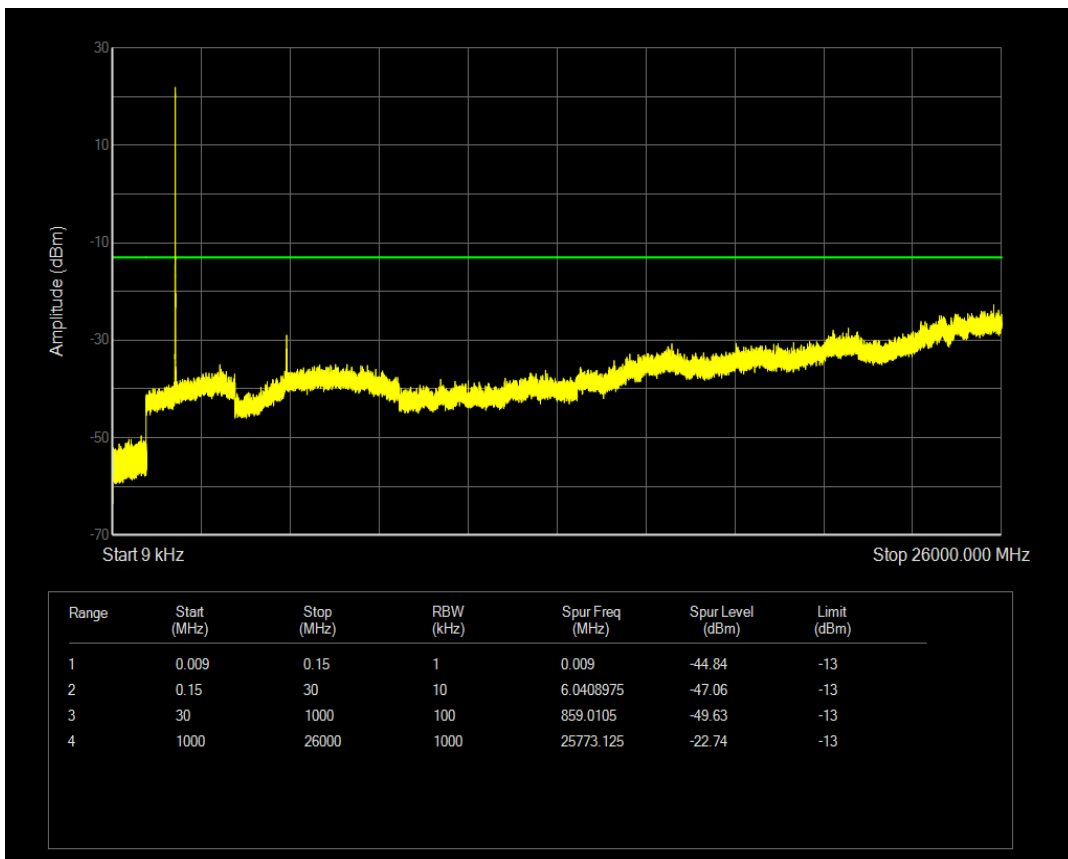
Band2 16QAM BW=3MHz Channel=19185 RB Size=15 Position=#0



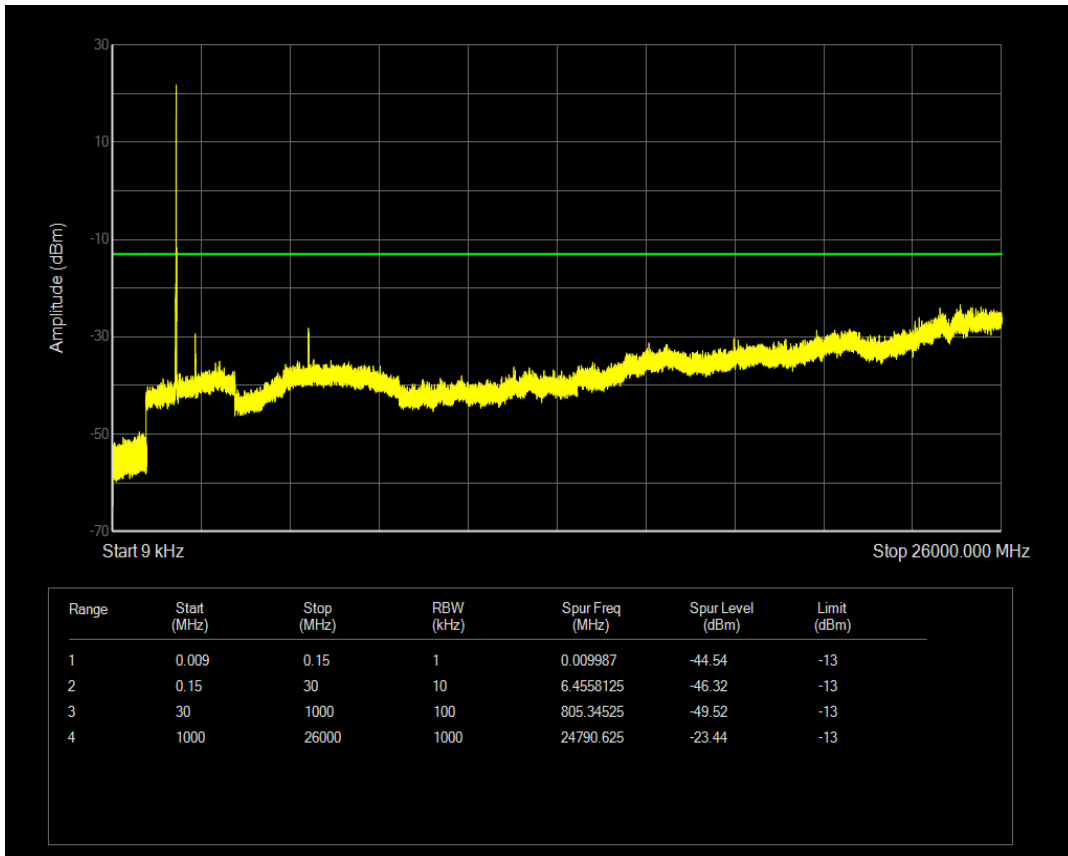
Band2 QPSK BW=5MHz Channel=18625 RB Size=25 Position=#0



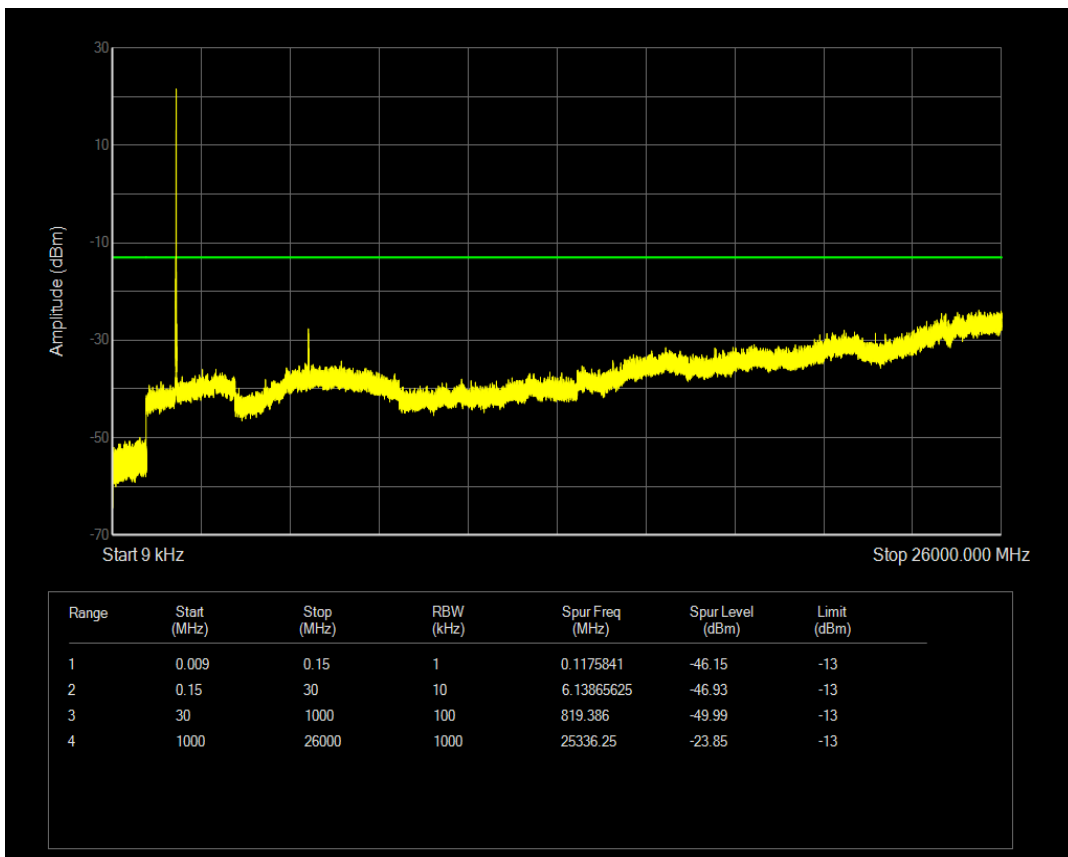
Band2 16QAM BW=5MHz Channel=18625 RB Size=25 Position=#0



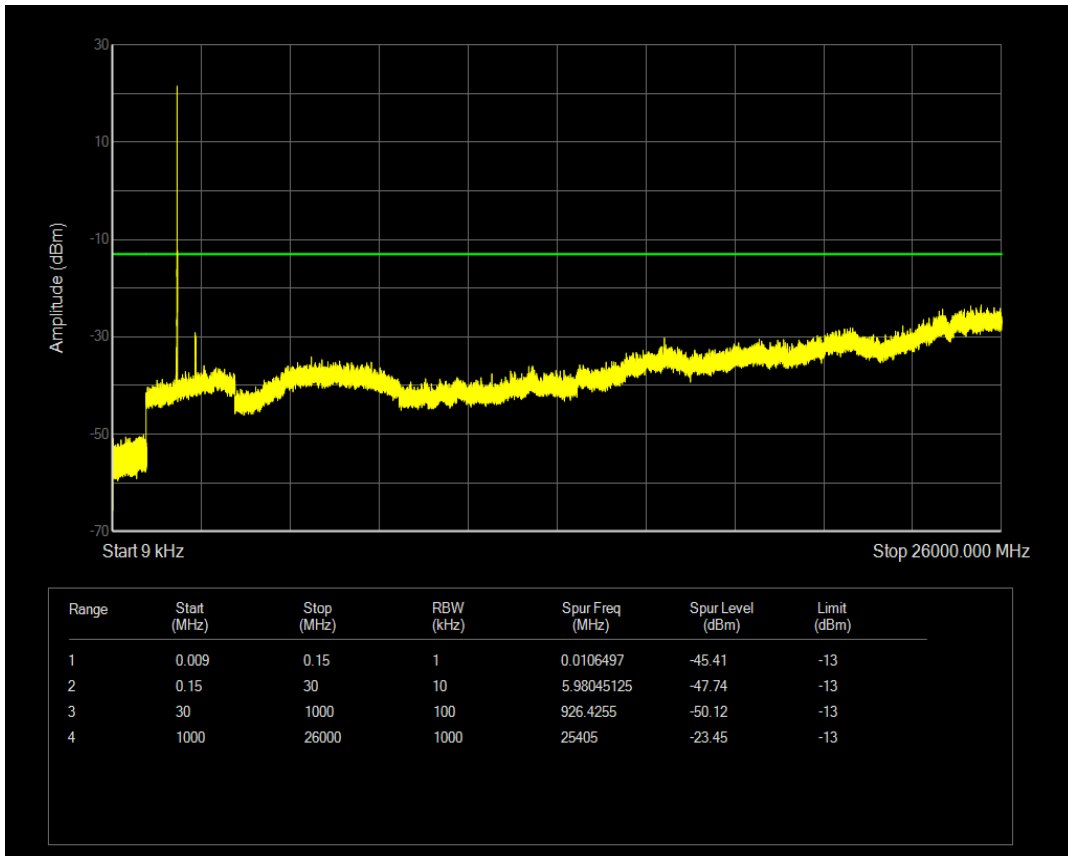
Band2 QPSK BW=5MHz Channel=18900 RB Size=25 Position=#0



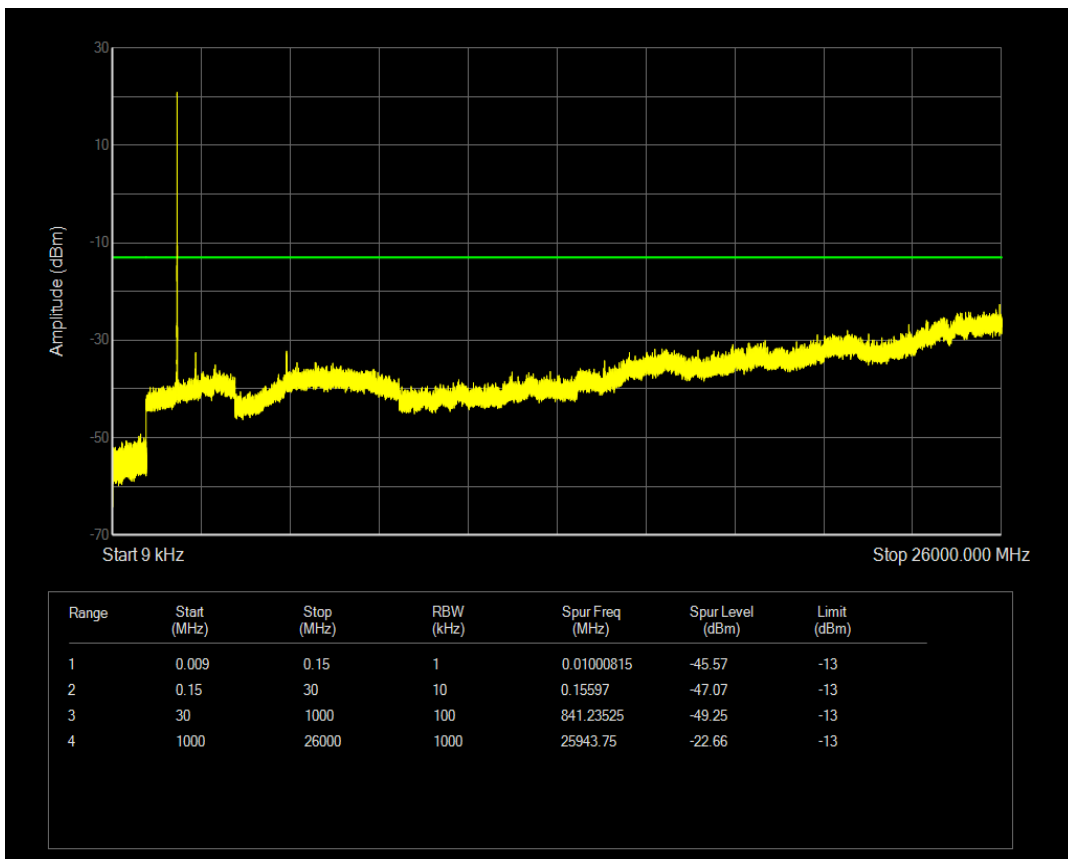
Band2 16QAM BW=5MHz Channel=18900 RB Size=25 Position=#0



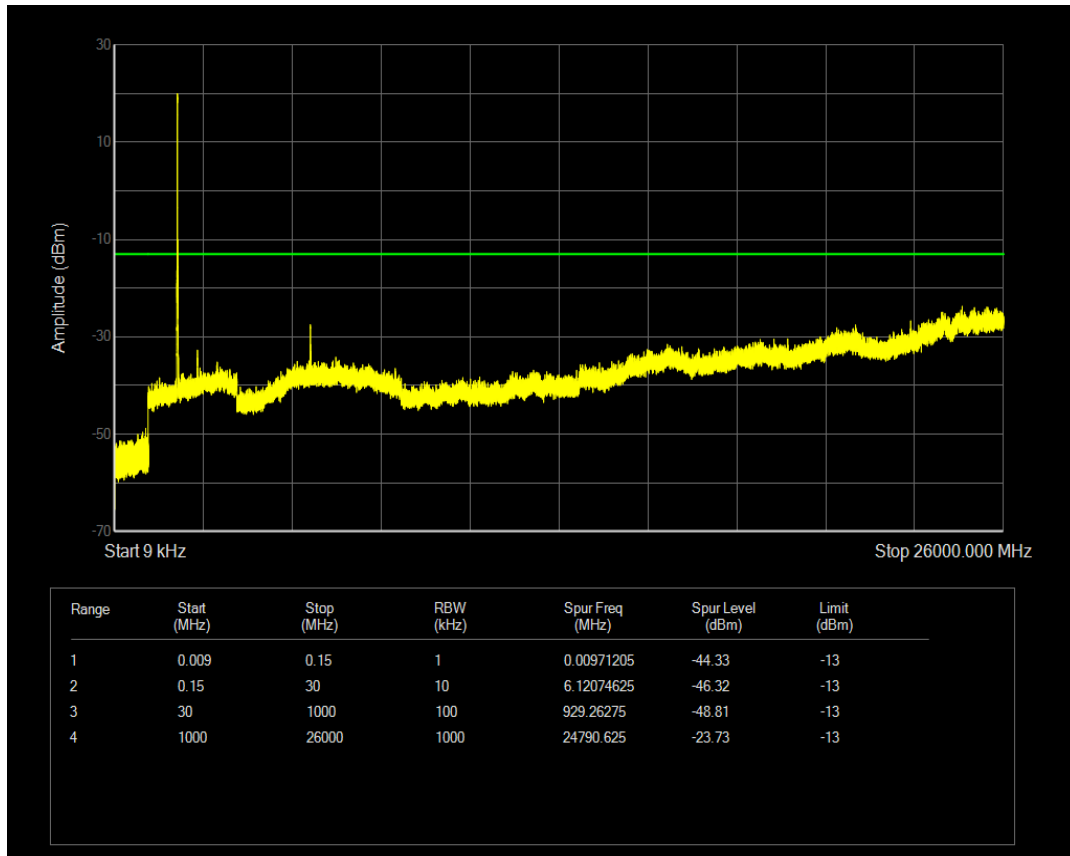
Band2 QPSK BW=5MHz Channel=19175 RB Size=25 Position=#0



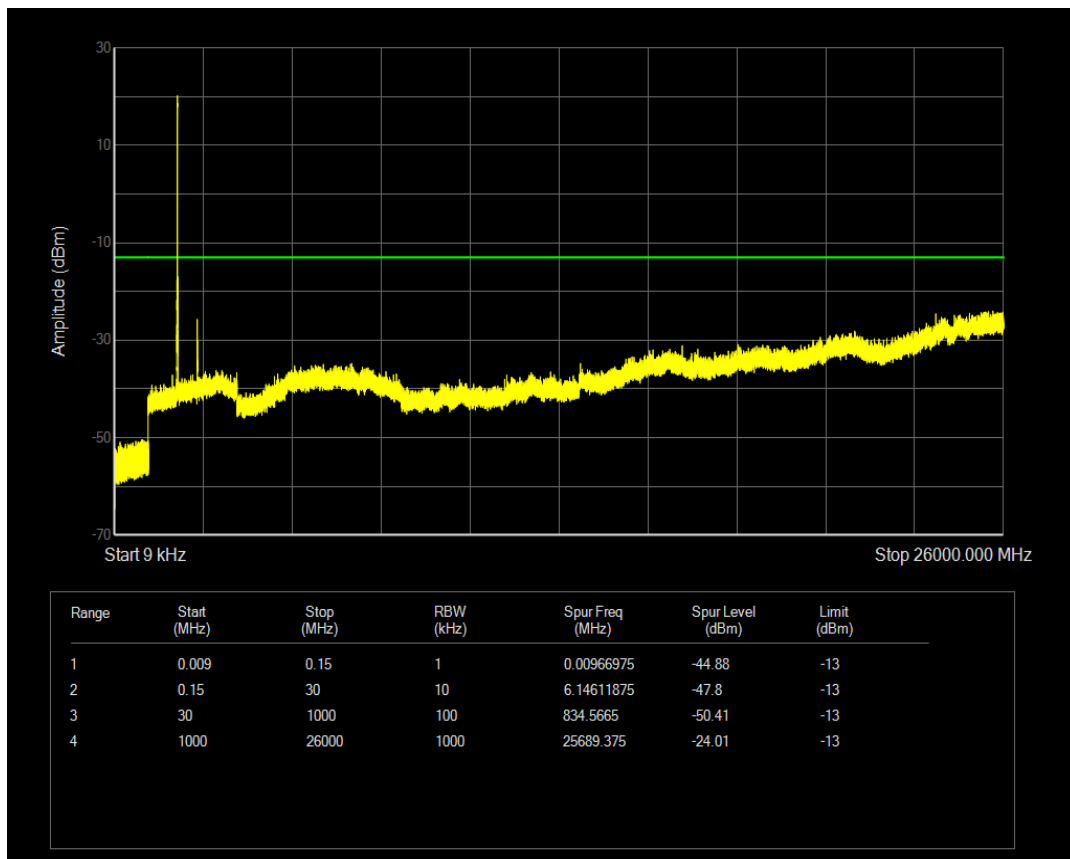
Band2 16QAM BW=5MHz Channel=19175 RB Size=25 Position=#0



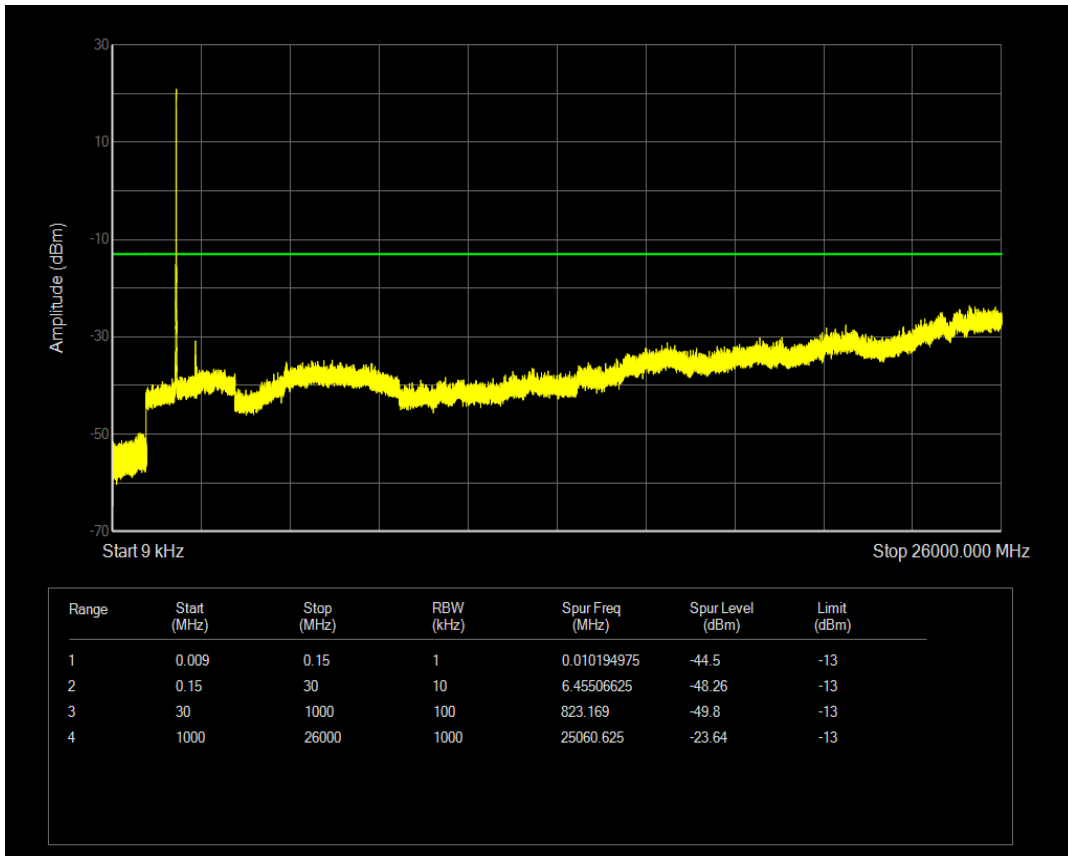
Band2 QPSK BW=10MHz Channel=18650 RB Size=50 Position=#0



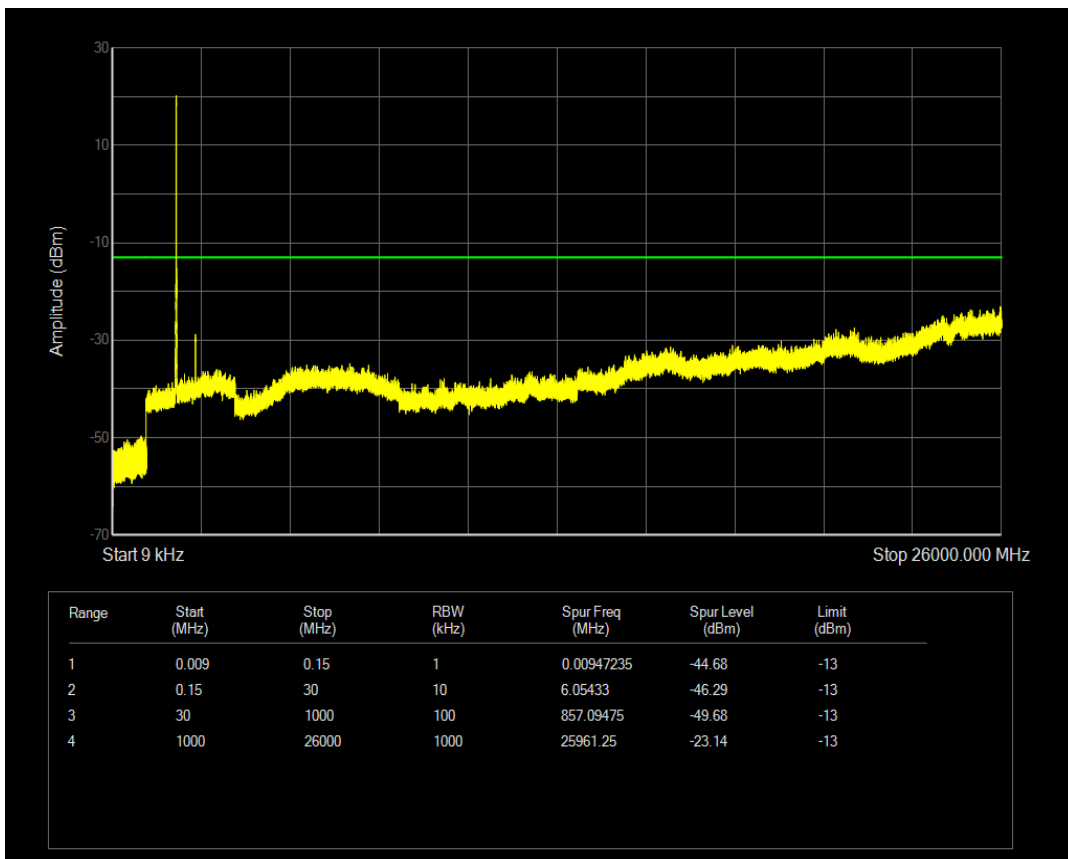
Band2 16QAM BW=10MHz Channel=18650 RB Size=50 Position=#0



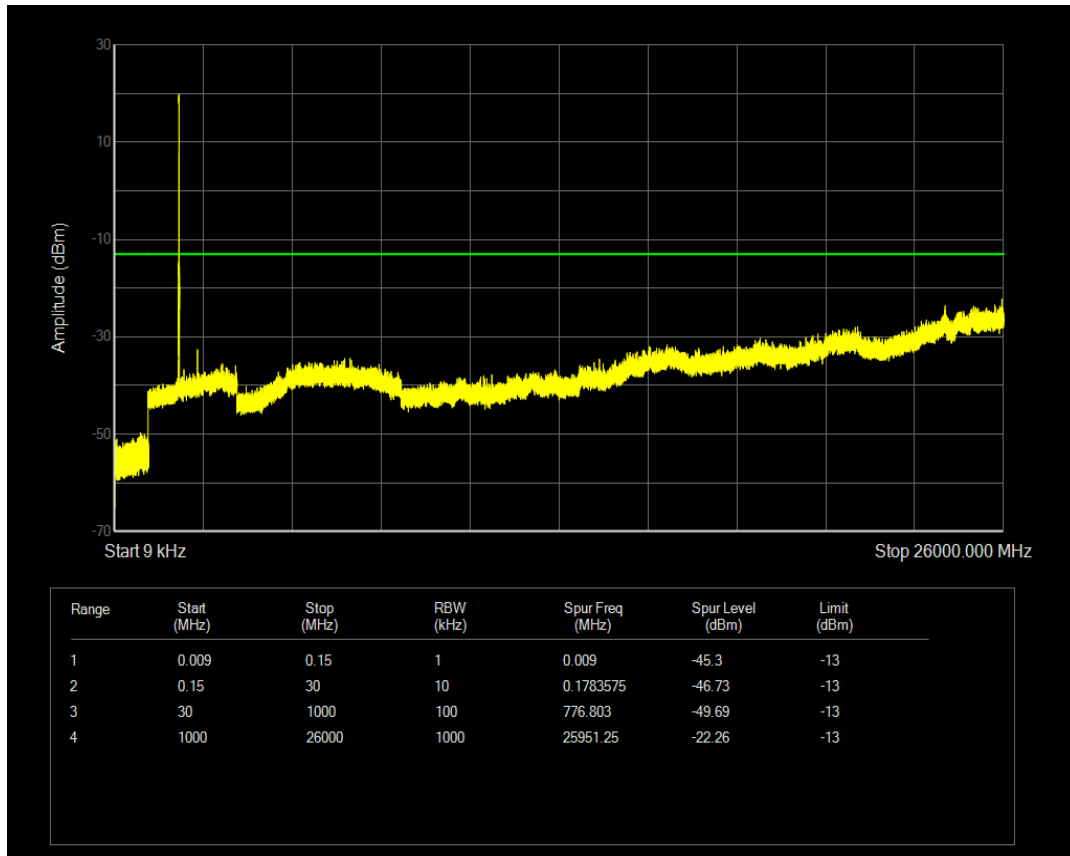
Band2 QPSK BW=10MHz Channel=18900 RB Size=50 Position=#0



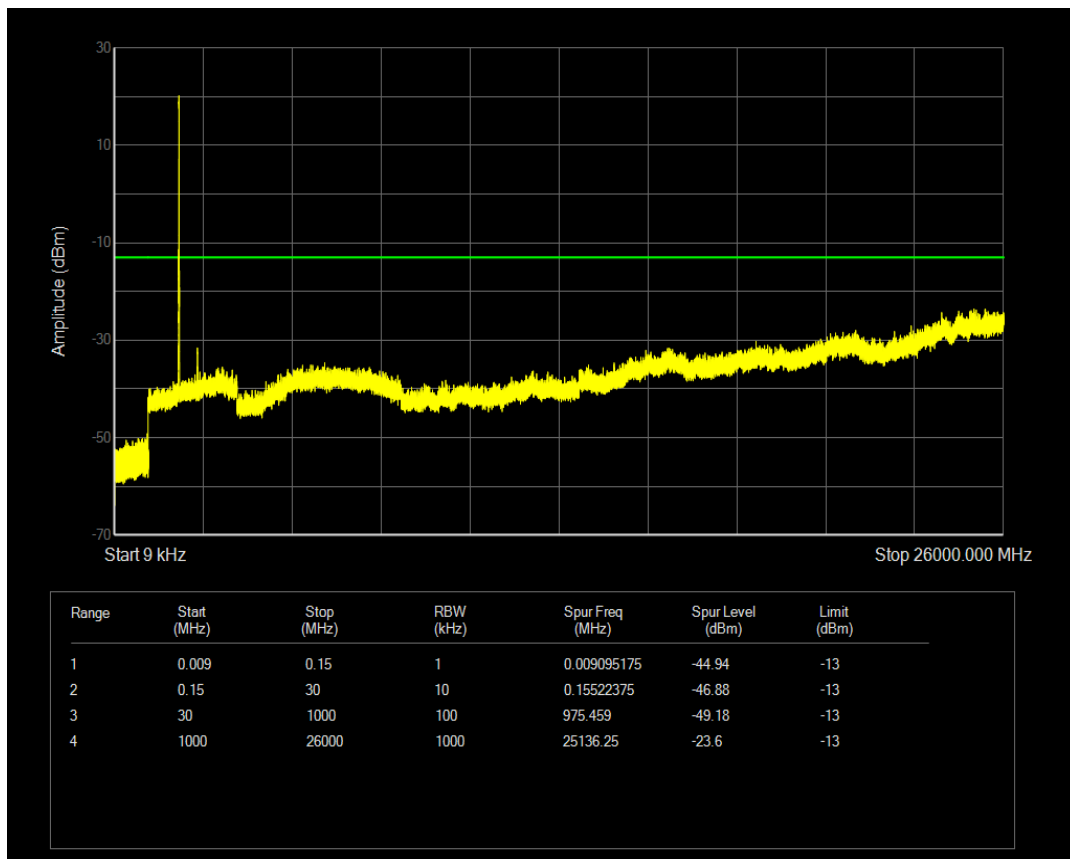
Band2 16QAM BW=10MHz Channel=18900 RB Size=50 Position=#0



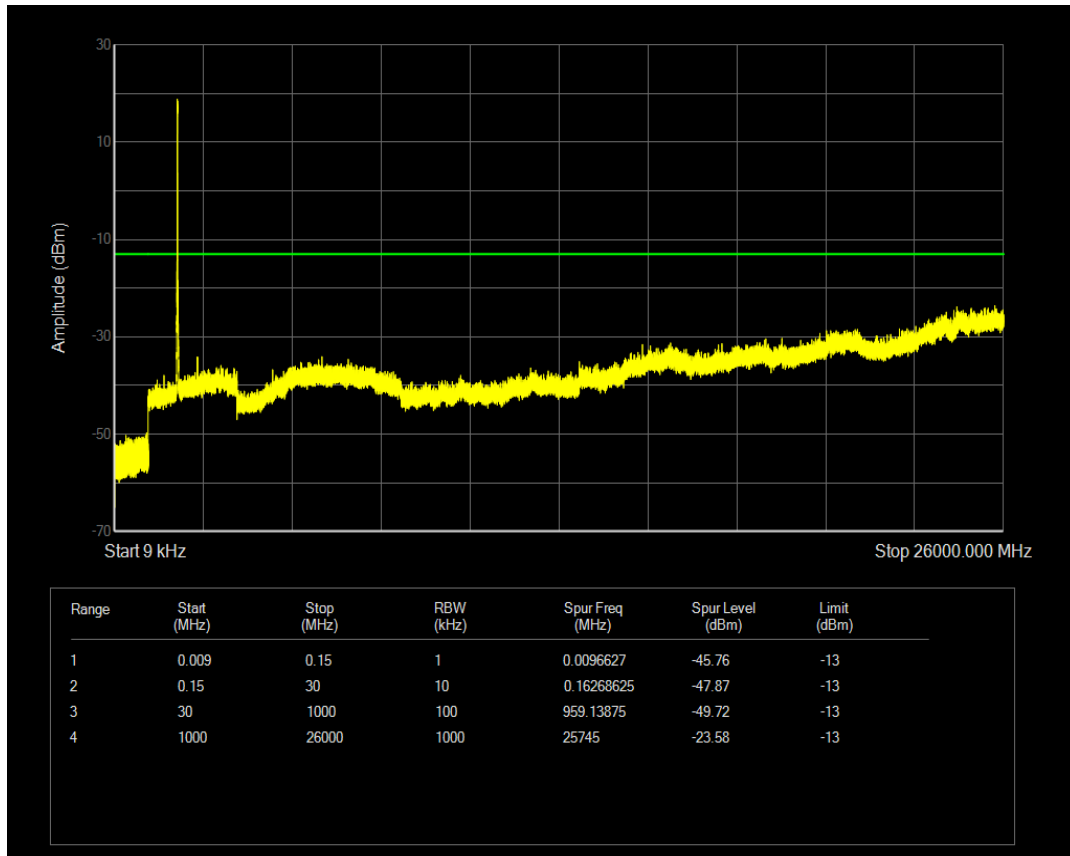
Band2 QPSK BW=10MHz Channel=19150 RB Size=50 Position=#0



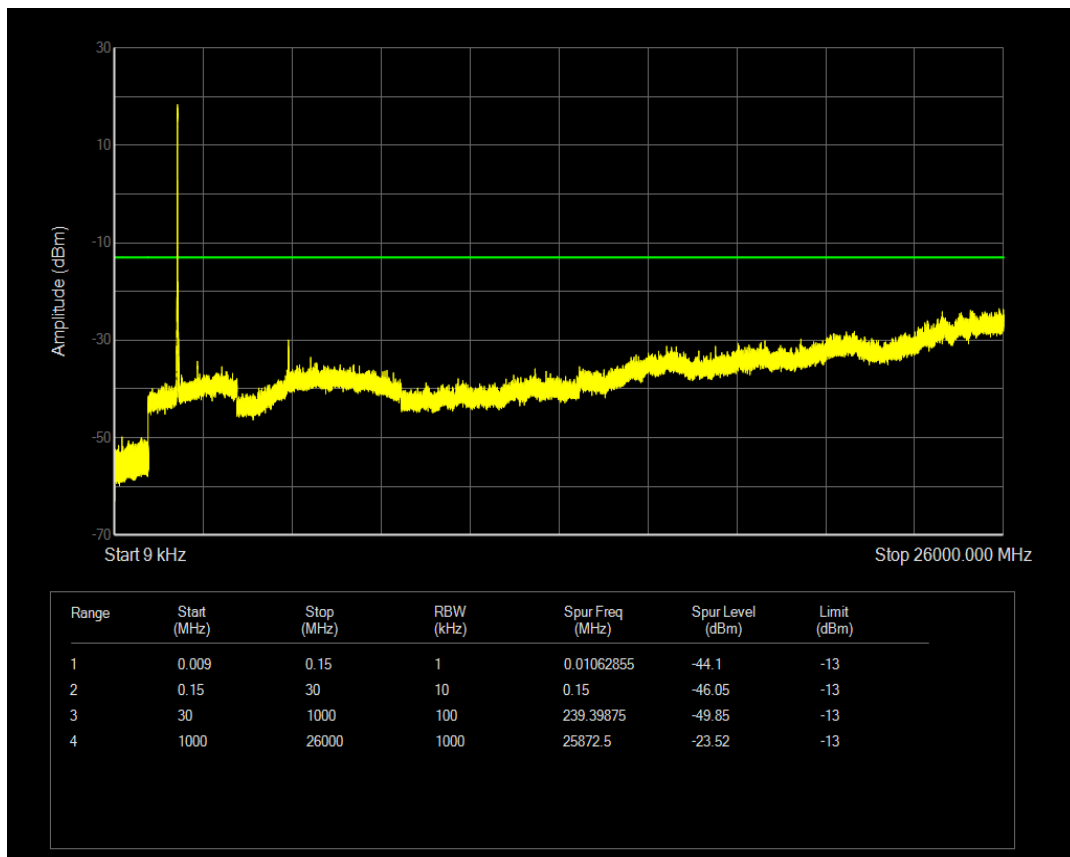
Band2 16QAM BW=10MHz Channel=19150 RB Size=50 Position=#0



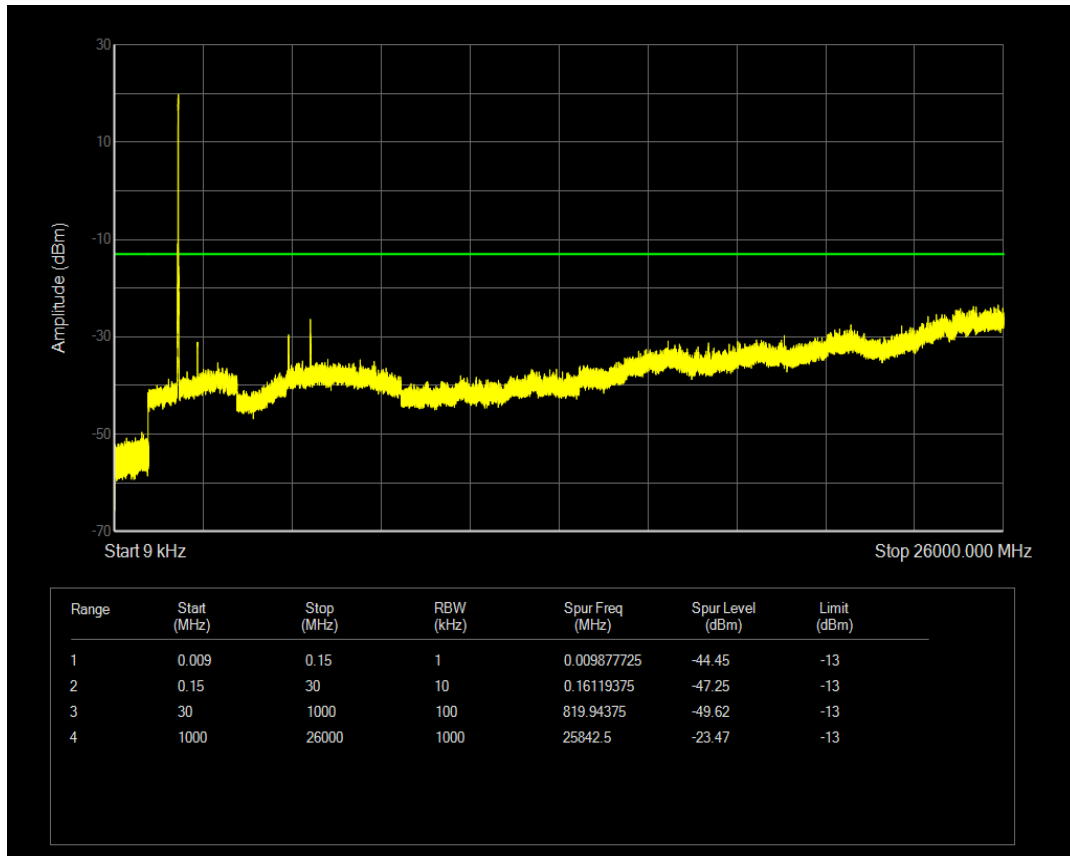
Band2 QPSK BW=15MHz Channel=18675 RB Size=75 Position=#0



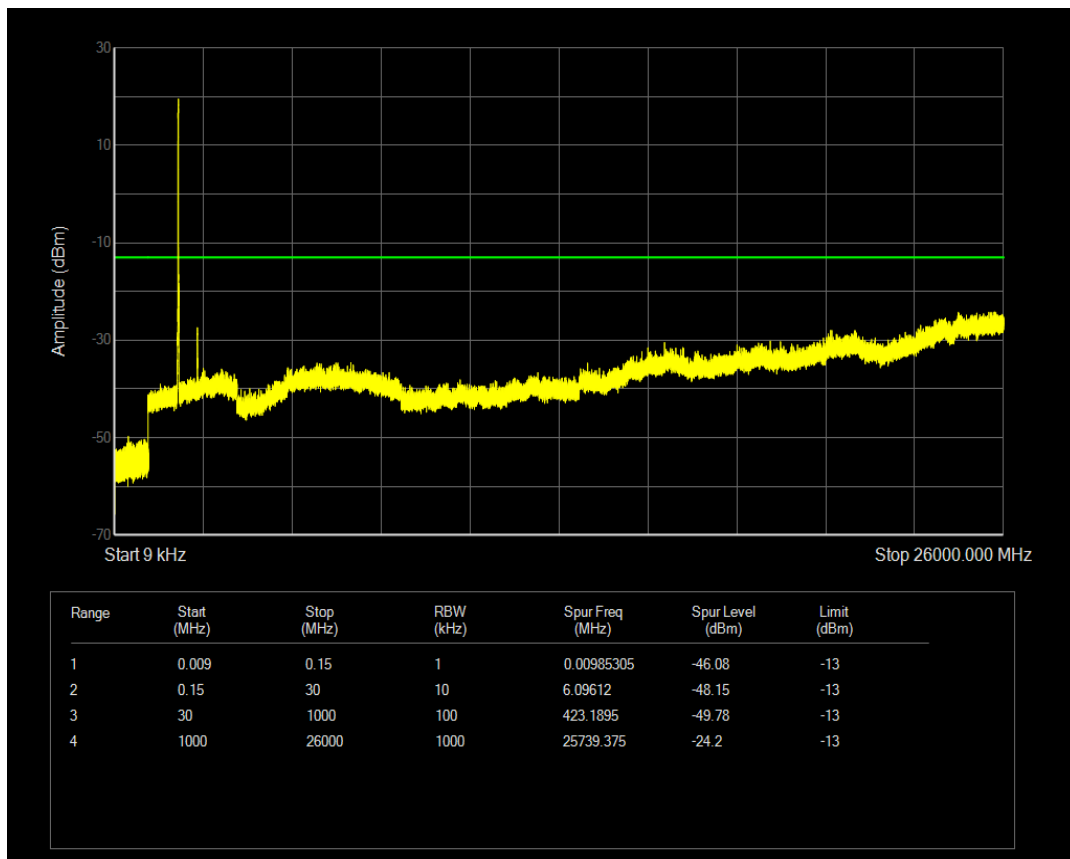
Band2 16QAM BW=15MHz Channel=18675 RB Size=75 Position=#0



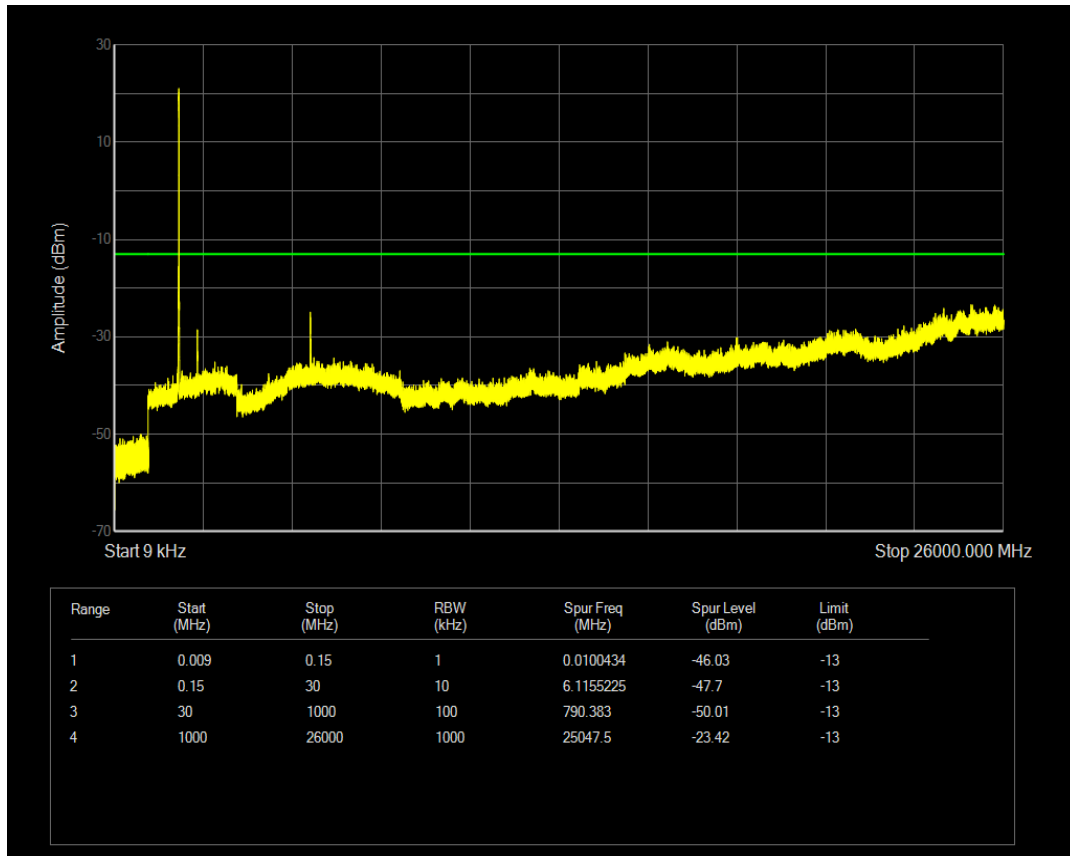
Band2 QPSK BW=15MHz Channel=18900 RB Size=75 Position=#0



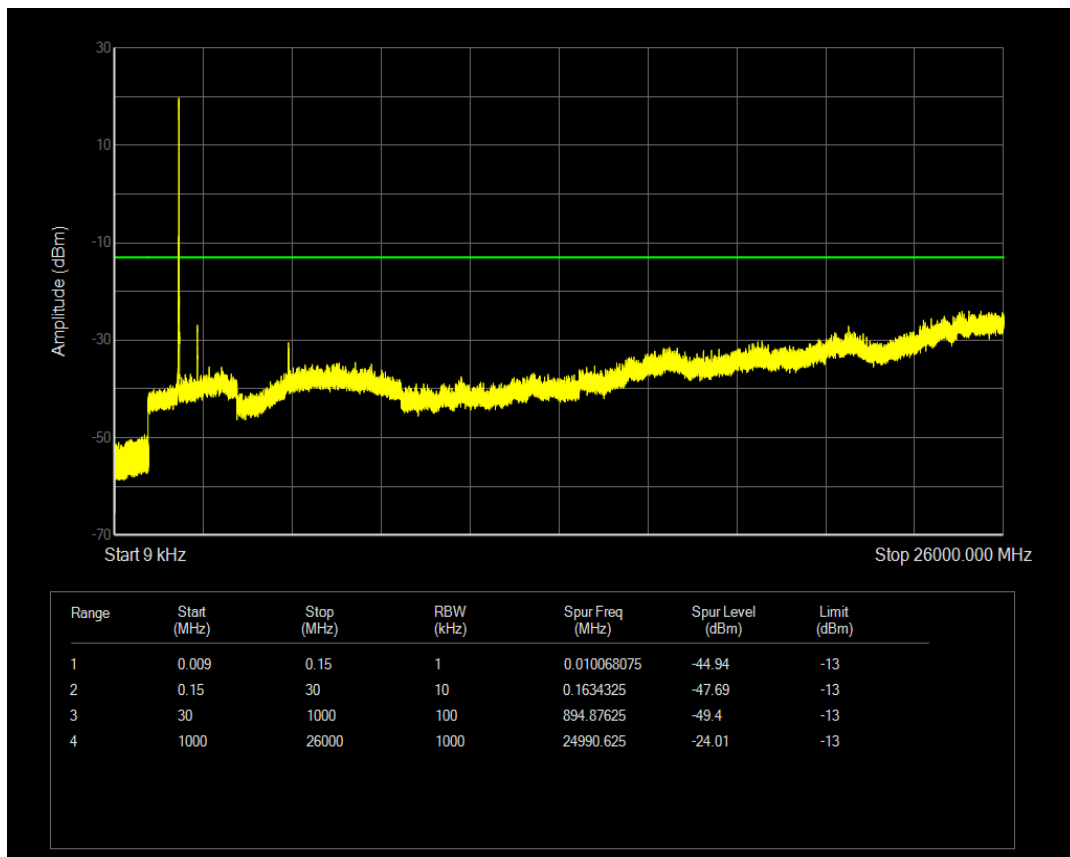
Band2 16QAM BW=15MHz Channel=18900 RB Size=75 Position=#0



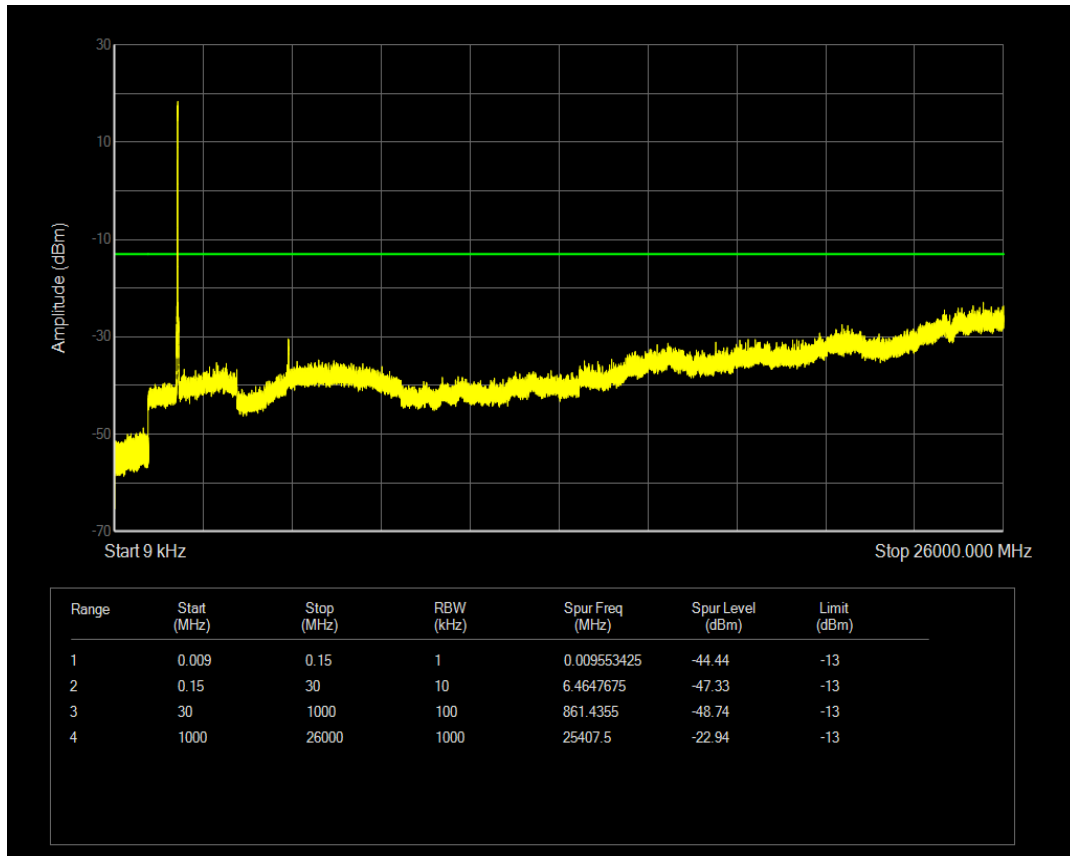
Band2 QPSK BW=15MHz Channel=19125 RB Size=75 Position=#0



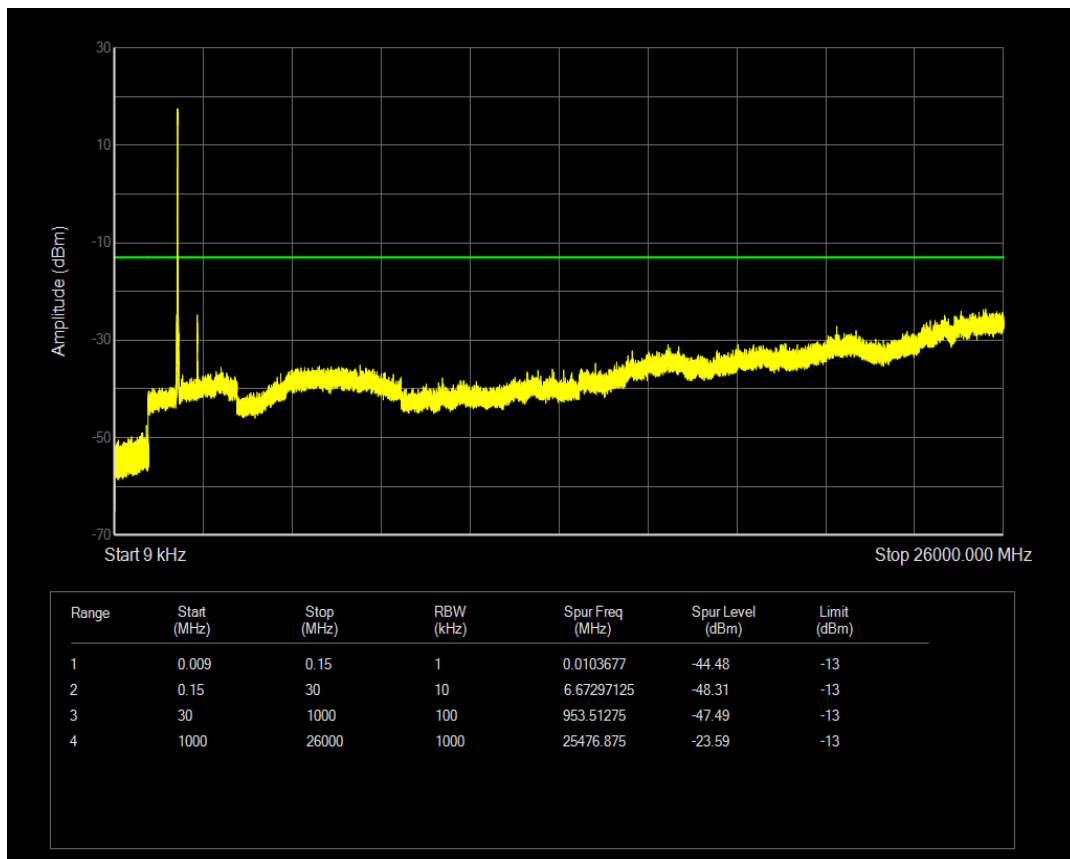
Band2 16QAM BW=15MHz Channel=19125 RB Size=75 Position=#0



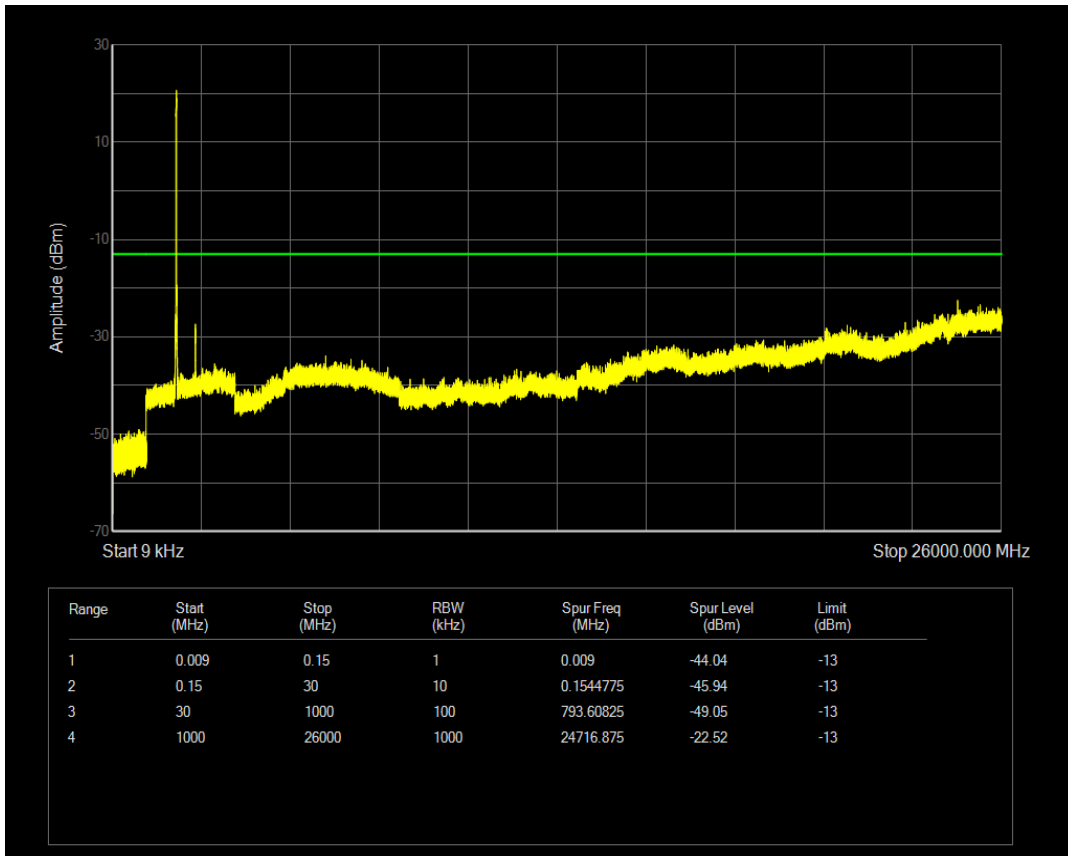
Band2 QPSK BW=20MHz Channel=18700 RB Size=100 Position=#0



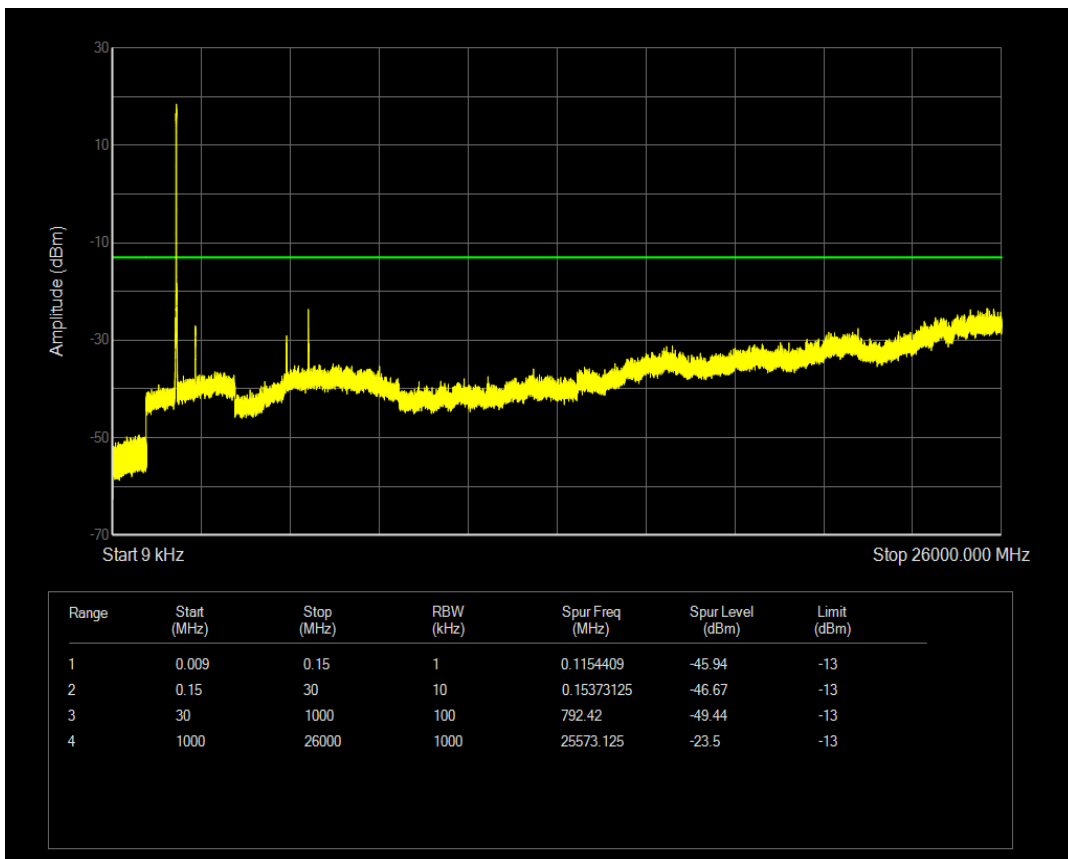
Band2 16QAM BW=20MHz Channel=18700 RB Size=100 Position=#0



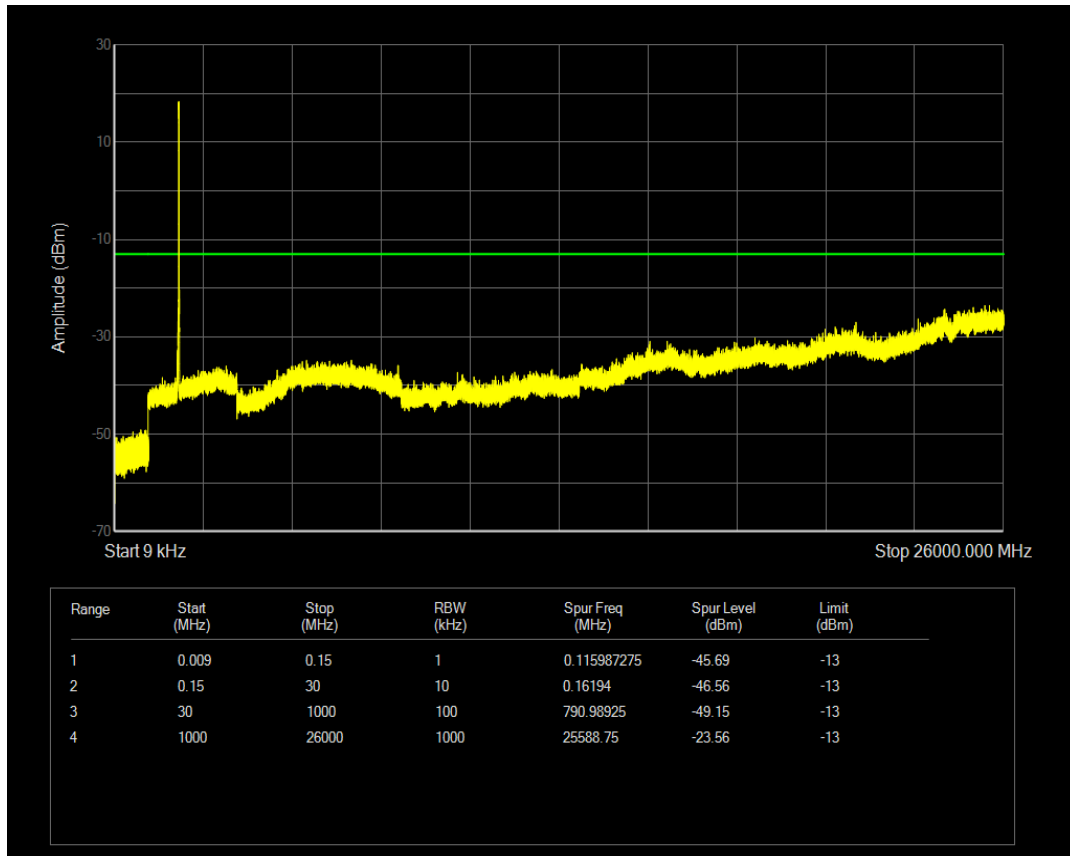
Band2 QPSK BW=20MHz Channel=18900 RB Size=100 Position=#0



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



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



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

