

# Appendix for Band 7

Report No.: BCTC2308365526-4E

---

Applicant: HongKong Umedia Limited

---

Product Name: Smart watch

---

Model/Type  
Reference: S4

---

Tested Date: 2023-08-28 to 2023-11-18

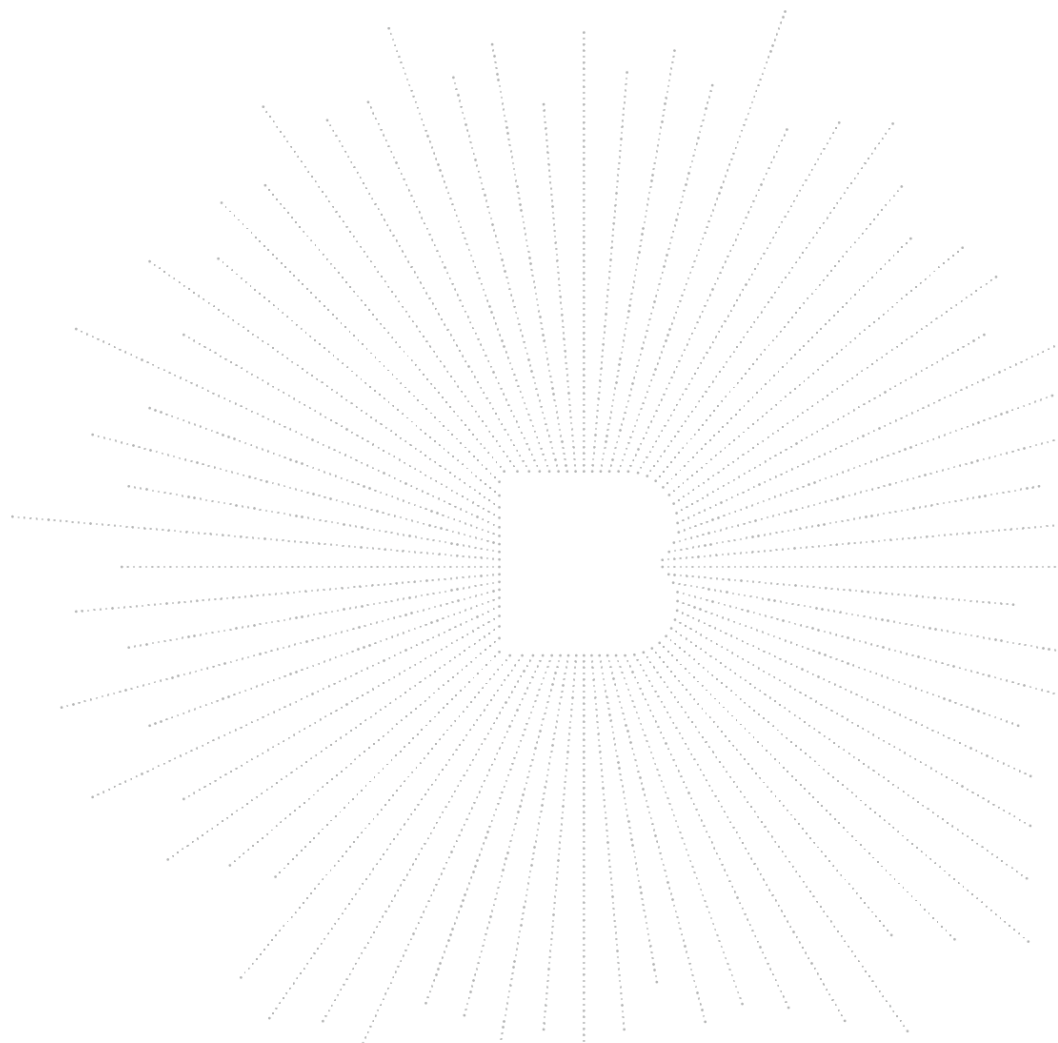
---

**Shenzhen BCTC Testing Co., Ltd.**



## Contents

|                                         |    |
|-----------------------------------------|----|
| Appendix 1 Conducted output power ..... | 1  |
| Appendix 2. Frequency stability .....   | 5  |
| Appendix 3. Peak-to-Average Ratio.....  | 12 |
| Appendix 4. Occupied bandwidth .....    | 25 |
| Appendix 5. Band edge.....              | 38 |
| Appendix 6. Out-of-band emissions ..... | 47 |



## Appendix 1 Conducted output power

| Band  | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Power (dBm) | Verdict |
|-------|-----------------|------------|---------|-------------|------------|-------------|---------|
| Band7 | 5               | 20775      | 1       | #0          | QPSK       | 20.92       | PASS    |
| Band7 | 5               | 20775      | 1       | #Mid        | QPSK       | 20.96       | PASS    |
| Band7 | 5               | 20775      | 1       | #Max        | QPSK       | 20.93       | PASS    |
| Band7 | 5               | 20775      | 12      | #0          | QPSK       | 19.95       | PASS    |
| Band7 | 5               | 20775      | 12      | #Mid        | QPSK       | 19.96       | PASS    |
| Band7 | 5               | 20775      | 12      | #Max        | QPSK       | 19.97       | PASS    |
| Band7 | 5               | 20775      | 25      | #0          | QPSK       | 19.93       | PASS    |
| Band7 | 5               | 20775      | 1       | #0          | 16QAM      | 20.19       | PASS    |
| Band7 | 5               | 20775      | 1       | #Mid        | 16QAM      | 20.23       | PASS    |
| Band7 | 5               | 20775      | 1       | #Max        | 16QAM      | 20.22       | PASS    |
| Band7 | 5               | 20775      | 12      | #0          | 16QAM      | 18.84       | PASS    |
| Band7 | 5               | 20775      | 12      | #Mid        | 16QAM      | 18.88       | PASS    |
| Band7 | 5               | 20775      | 12      | #Max        | 16QAM      | 18.87       | PASS    |
| Band7 | 5               | 20775      | 25      | #0          | 16QAM      | 18.87       | PASS    |
| Band7 | 5               | 21100      | 1       | #0          | QPSK       | 20.48       | PASS    |
| Band7 | 5               | 21100      | 1       | #Mid        | QPSK       | 20.51       | PASS    |
| Band7 | 5               | 21100      | 1       | #Max        | QPSK       | 20.46       | PASS    |
| Band7 | 5               | 21100      | 12      | #0          | QPSK       | 19.59       | PASS    |
| Band7 | 5               | 21100      | 12      | #Mid        | QPSK       | 19.60       | PASS    |
| Band7 | 5               | 21100      | 12      | #Max        | QPSK       | 19.56       | PASS    |
| Band7 | 5               | 21100      | 25      | #0          | QPSK       | 19.51       | PASS    |
| Band7 | 5               | 21100      | 1       | #0          | 16QAM      | 19.75       | PASS    |
| Band7 | 5               | 21100      | 1       | #Mid        | 16QAM      | 19.78       | PASS    |
| Band7 | 5               | 21100      | 1       | #Max        | 16QAM      | 19.76       | PASS    |
| Band7 | 5               | 21100      | 12      | #0          | 16QAM      | 18.53       | PASS    |
| Band7 | 5               | 21100      | 12      | #Mid        | 16QAM      | 18.54       | PASS    |
| Band7 | 5               | 21100      | 12      | #Max        | 16QAM      | 18.53       | PASS    |
| Band7 | 5               | 21100      | 25      | #0          | 16QAM      | 18.41       | PASS    |
| Band7 | 5               | 21425      | 1       | #0          | QPSK       | 20.33       | PASS    |
| Band7 | 5               | 21425      | 1       | #Mid        | QPSK       | 20.31       | PASS    |
| Band7 | 5               | 21425      | 1       | #Max        | QPSK       | 20.24       | PASS    |
| Band7 | 5               | 21425      | 12      | #0          | QPSK       | 19.32       | PASS    |
| Band7 | 5               | 21425      | 12      | #Mid        | QPSK       | 19.31       | PASS    |
| Band7 | 5               | 21425      | 12      | #Max        | QPSK       | 19.33       | PASS    |
| Band7 | 5               | 21425      | 25      | #0          | QPSK       | 19.26       | PASS    |
| Band7 | 5               | 21425      | 1       | #0          | 16QAM      | 19.66       | PASS    |
| Band7 | 5               | 21425      | 1       | #Mid        | 16QAM      | 19.66       | PASS    |
| Band7 | 5               | 21425      | 1       | #Max        | 16QAM      | 19.65       | PASS    |
| Band7 | 5               | 21425      | 12      | #0          | 16QAM      | 18.21       | PASS    |

|       |    |       |    |      |       |       |      |
|-------|----|-------|----|------|-------|-------|------|
| Band7 | 5  | 21425 | 12 | #Mid | 16QAM | 18.22 | PASS |
| Band7 | 5  | 21425 | 12 | #Max | 16QAM | 18.22 | PASS |
| Band7 | 5  | 21425 | 25 | #0   | 16QAM | 18.11 | PASS |
| Band7 | 10 | 20800 | 1  | #0   | QPSK  | 20.93 | PASS |
| Band7 | 10 | 20800 | 1  | #Mid | QPSK  | 20.97 | PASS |
| Band7 | 10 | 20800 | 1  | #Max | QPSK  | 21.03 | PASS |
| Band7 | 10 | 20800 | 25 | #0   | QPSK  | 20.07 | PASS |
| Band7 | 10 | 20800 | 25 | #Mid | QPSK  | 20.01 | PASS |
| Band7 | 10 | 20800 | 25 | #Max | QPSK  | 20.03 | PASS |
| Band7 | 10 | 20800 | 50 | #0   | QPSK  | 19.98 | PASS |
| Band7 | 10 | 20800 | 1  | #0   | 16QAM | 20.29 | PASS |
| Band7 | 10 | 20800 | 1  | #Mid | 16QAM | 20.35 | PASS |
| Band7 | 10 | 20800 | 1  | #Max | 16QAM | 20.34 | PASS |
| Band7 | 10 | 20800 | 25 | #0   | 16QAM | 18.91 | PASS |
| Band7 | 10 | 20800 | 25 | #Mid | 16QAM | 18.92 | PASS |
| Band7 | 10 | 20800 | 25 | #Max | 16QAM | 18.96 | PASS |
| Band7 | 10 | 20800 | 50 | #0   | 16QAM | 18.90 | PASS |
| Band7 | 10 | 21100 | 1  | #0   | QPSK  | 20.56 | PASS |
| Band7 | 10 | 21100 | 1  | #Mid | QPSK  | 20.57 | PASS |
| Band7 | 10 | 21100 | 1  | #Max | QPSK  | 20.63 | PASS |
| Band7 | 10 | 21100 | 25 | #0   | QPSK  | 19.56 | PASS |
| Band7 | 10 | 21100 | 25 | #Mid | QPSK  | 19.59 | PASS |
| Band7 | 10 | 21100 | 25 | #Max | QPSK  | 19.60 | PASS |
| Band7 | 10 | 21100 | 50 | #0   | QPSK  | 19.57 | PASS |
| Band7 | 10 | 21100 | 1  | #0   | 16QAM | 19.64 | PASS |
| Band7 | 10 | 21100 | 1  | #Mid | 16QAM | 19.69 | PASS |
| Band7 | 10 | 21100 | 1  | #Max | 16QAM | 19.75 | PASS |
| Band7 | 10 | 21100 | 25 | #0   | 16QAM | 18.47 | PASS |
| Band7 | 10 | 21100 | 25 | #Mid | 16QAM | 18.51 | PASS |
| Band7 | 10 | 21100 | 25 | #Max | 16QAM | 18.51 | PASS |
| Band7 | 10 | 21100 | 50 | #0   | 16QAM | 18.52 | PASS |
| Band7 | 10 | 21400 | 1  | #0   | QPSK  | 20.55 | PASS |
| Band7 | 10 | 21400 | 1  | #Mid | QPSK  | 20.47 | PASS |
| Band7 | 10 | 21400 | 1  | #Max | QPSK  | 20.44 | PASS |
| Band7 | 10 | 21400 | 25 | #0   | QPSK  | 19.36 | PASS |
| Band7 | 10 | 21400 | 25 | #Mid | QPSK  | 19.34 | PASS |
| Band7 | 10 | 21400 | 25 | #Max | QPSK  | 19.31 | PASS |
| Band7 | 10 | 21400 | 50 | #0   | QPSK  | 19.31 | PASS |
| Band7 | 10 | 21400 | 1  | #0   | 16QAM | 19.24 | PASS |
| Band7 | 10 | 21400 | 1  | #Mid | 16QAM | 19.13 | PASS |
| Band7 | 10 | 21400 | 1  | #Max | 16QAM | 19.14 | PASS |
| Band7 | 10 | 21400 | 25 | #0   | 16QAM | 18.28 | PASS |
| Band7 | 10 | 21400 | 25 | #Mid | 16QAM | 18.25 | PASS |

|       |    |       |    |      |       |       |      |
|-------|----|-------|----|------|-------|-------|------|
| Band7 | 10 | 21400 | 25 | #Max | 16QAM | 18.24 | PASS |
| Band7 | 10 | 21400 | 50 | #0   | 16QAM | 18.23 | PASS |
| Band7 | 15 | 20825 | 1  | #0   | QPSK  | 21.01 | PASS |
| Band7 | 15 | 20825 | 1  | #Mid | QPSK  | 21.00 | PASS |
| Band7 | 15 | 20825 | 1  | #Max | QPSK  | 20.90 | PASS |
| Band7 | 15 | 20825 | 36 | #0   | QPSK  | 20.08 | PASS |
| Band7 | 15 | 20825 | 36 | #Mid | QPSK  | 20.09 | PASS |
| Band7 | 15 | 20825 | 36 | #Max | QPSK  | 20.05 | PASS |
| Band7 | 15 | 20825 | 75 | #0   | QPSK  | 20.11 | PASS |
| Band7 | 15 | 20825 | 1  | #0   | 16QAM | 20.39 | PASS |
| Band7 | 15 | 20825 | 1  | #Mid | 16QAM | 20.41 | PASS |
| Band7 | 15 | 20825 | 1  | #Max | 16QAM | 20.31 | PASS |
| Band7 | 15 | 20825 | 36 | #0   | 16QAM | 19.03 | PASS |
| Band7 | 15 | 20825 | 36 | #Mid | 16QAM | 19.03 | PASS |
| Band7 | 15 | 20825 | 36 | #Max | 16QAM | 18.96 | PASS |
| Band7 | 15 | 20825 | 75 | #0   | 16QAM | 18.99 | PASS |
| Band7 | 15 | 21100 | 1  | #0   | QPSK  | 20.64 | PASS |
| Band7 | 15 | 21100 | 1  | #Mid | QPSK  | 20.59 | PASS |
| Band7 | 15 | 21100 | 1  | #Max | QPSK  | 20.69 | PASS |
| Band7 | 15 | 21100 | 36 | #0   | QPSK  | 19.74 | PASS |
| Band7 | 15 | 21100 | 36 | #Mid | QPSK  | 19.72 | PASS |
| Band7 | 15 | 21100 | 36 | #Max | QPSK  | 19.75 | PASS |
| Band7 | 15 | 21100 | 75 | #0   | QPSK  | 19.75 | PASS |
| Band7 | 15 | 21100 | 1  | #0   | 16QAM | 19.71 | PASS |
| Band7 | 15 | 21100 | 1  | #Mid | 16QAM | 19.69 | PASS |
| Band7 | 15 | 21100 | 1  | #Max | 16QAM | 19.84 | PASS |
| Band7 | 15 | 21100 | 36 | #0   | 16QAM | 18.65 | PASS |
| Band7 | 15 | 21100 | 36 | #Mid | 16QAM | 18.65 | PASS |
| Band7 | 15 | 21100 | 36 | #Max | 16QAM | 18.69 | PASS |
| Band7 | 15 | 21100 | 75 | #0   | 16QAM | 18.61 | PASS |
| Band7 | 15 | 21375 | 1  | #0   | QPSK  | 20.69 | PASS |
| Band7 | 15 | 21375 | 1  | #Mid | QPSK  | 20.61 | PASS |
| Band7 | 15 | 21375 | 1  | #Max | QPSK  | 20.48 | PASS |
| Band7 | 15 | 21375 | 36 | #0   | QPSK  | 19.63 | PASS |
| Band7 | 15 | 21375 | 36 | #Mid | QPSK  | 19.57 | PASS |
| Band7 | 15 | 21375 | 36 | #Max | QPSK  | 19.53 | PASS |
| Band7 | 15 | 21375 | 75 | #0   | QPSK  | 19.59 | PASS |
| Band7 | 15 | 21375 | 1  | #0   | 16QAM | 19.71 | PASS |
| Band7 | 15 | 21375 | 1  | #Mid | 16QAM | 19.51 | PASS |
| Band7 | 15 | 21375 | 1  | #Max | 16QAM | 19.45 | PASS |
| Band7 | 15 | 21375 | 36 | #0   | 16QAM | 18.46 | PASS |
| Band7 | 15 | 21375 | 36 | #Mid | 16QAM | 18.38 | PASS |
| Band7 | 15 | 21375 | 36 | #Max | 16QAM | 18.36 | PASS |

|       |    |       |     |      |       |       |      |
|-------|----|-------|-----|------|-------|-------|------|
| Band7 | 15 | 21375 | 75  | #0   | 16QAM | 18.46 | PASS |
| Band7 | 20 | 20850 | 1   | #0   | QPSK  | 21.13 | PASS |
| Band7 | 20 | 20850 | 1   | #Mid | QPSK  | 21.06 | PASS |
| Band7 | 20 | 20850 | 1   | #Max | QPSK  | 20.90 | PASS |
| Band7 | 20 | 20850 | 50  | #0   | QPSK  | 20.09 | PASS |
| Band7 | 20 | 20850 | 50  | #Mid | QPSK  | 20.01 | PASS |
| Band7 | 20 | 20850 | 50  | #Max | QPSK  | 19.95 | PASS |
| Band7 | 20 | 20850 | 100 | #0   | QPSK  | 19.99 | PASS |
| Band7 | 20 | 20850 | 1   | #0   | 16QAM | 20.36 | PASS |
| Band7 | 20 | 20850 | 1   | #Mid | 16QAM | 20.35 | PASS |
| Band7 | 20 | 20850 | 1   | #Max | 16QAM | 20.12 | PASS |
| Band7 | 20 | 20850 | 50  | #0   | 16QAM | 19.05 | PASS |
| Band7 | 20 | 20850 | 50  | #Mid | 16QAM | 18.97 | PASS |
| Band7 | 20 | 20850 | 50  | #Max | 16QAM | 18.92 | PASS |
| Band7 | 20 | 20850 | 100 | #0   | 16QAM | 18.91 | PASS |
| Band7 | 20 | 21100 | 1   | #0   | QPSK  | 20.84 | PASS |
| Band7 | 20 | 21100 | 1   | #Mid | QPSK  | 20.77 | PASS |
| Band7 | 20 | 21100 | 1   | #Max | QPSK  | 20.91 | PASS |
| Band7 | 20 | 21100 | 50  | #0   | QPSK  | 19.68 | PASS |
| Band7 | 20 | 21100 | 50  | #Mid | QPSK  | 19.69 | PASS |
| Band7 | 20 | 21100 | 50  | #Max | QPSK  | 19.73 | PASS |
| Band7 | 20 | 21100 | 100 | #0   | QPSK  | 19.69 | PASS |
| Band7 | 20 | 21100 | 1   | #0   | 16QAM | 19.80 | PASS |
| Band7 | 20 | 21100 | 1   | #Mid | 16QAM | 19.79 | PASS |
| Band7 | 20 | 21100 | 1   | #Max | 16QAM | 20.01 | PASS |
| Band7 | 20 | 21100 | 50  | #0   | 16QAM | 18.54 | PASS |
| Band7 | 20 | 21100 | 50  | #Mid | 16QAM | 18.55 | PASS |
| Band7 | 20 | 21100 | 50  | #Max | 16QAM | 18.62 | PASS |
| Band7 | 20 | 21100 | 100 | #0   | 16QAM | 18.65 | PASS |
| Band7 | 20 | 21350 | 1   | #0   | QPSK  | 20.75 | PASS |
| Band7 | 20 | 21350 | 1   | #Mid | QPSK  | 20.50 | PASS |
| Band7 | 20 | 21350 | 1   | #Max | QPSK  | 20.47 | PASS |
| Band7 | 20 | 21350 | 50  | #0   | QPSK  | 19.58 | PASS |
| Band7 | 20 | 21350 | 50  | #Mid | QPSK  | 19.45 | PASS |
| Band7 | 20 | 21350 | 50  | #Max | QPSK  | 19.40 | PASS |
| Band7 | 20 | 21350 | 100 | #0   | QPSK  | 19.47 | PASS |
| Band7 | 20 | 21350 | 1   | #0   | 16QAM | 19.95 | PASS |
| Band7 | 20 | 21350 | 1   | #Mid | 16QAM | 19.63 | PASS |
| Band7 | 20 | 21350 | 1   | #Max | 16QAM | 19.59 | PASS |
| Band7 | 20 | 21350 | 50  | #0   | 16QAM | 18.54 | PASS |
| Band7 | 20 | 21350 | 50  | #Mid | 16QAM | 18.41 | PASS |
| Band7 | 20 | 21350 | 50  | #Max | 16QAM | 18.35 | PASS |
| Band7 | 20 | 21350 | 100 | #0   | 16QAM | 18.40 | PASS |

## Appendix 2. Frequency stability

| Band  | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Size | RB<br>Position | Modulation | Voltage<br>(Vdc) | Temperatue<br>(C) | Result<br>(Hz) | Result<br>(ppm) | Verdict |
|-------|--------------------|---------------|------------|----------------|------------|------------------|-------------------|----------------|-----------------|---------|
| Band7 | 5                  | 20775         | 25         | #0             | QPSK       | LV               | NT                | 5.78           | 0.002           | PASS    |
| Band7 | 5                  | 20775         | 25         | #0             | QPSK       | NV               | NT                | 116.67         | 0.047           | PASS    |
| Band7 | 5                  | 20775         | 25         | #0             | QPSK       | HV               | NT                | 210.01         | 0.084           | PASS    |
| Band7 | 5                  | 20775         | 25         | #0             | 16QAM      | LV               | NT                | 163.69         | 0.065           | PASS    |
| Band7 | 5                  | 20775         | 25         | #0             | 16QAM      | NV               | NT                | 116.17         | 0.046           | PASS    |
| Band7 | 5                  | 20775         | 25         | #0             | 16QAM      | HV               | NT                | 168.70         | 0.067           | PASS    |
| Band7 | 5                  | 21100         | 25         | #0             | QPSK       | LV               | NT                | -95.31         | -0.038          | PASS    |
| Band7 | 5                  | 21100         | 25         | #0             | QPSK       | NV               | NT                | 0.62           | 0.000           | PASS    |
| Band7 | 5                  | 21100         | 25         | #0             | QPSK       | HV               | NT                | 121.26         | 0.048           | PASS    |
| Band7 | 5                  | 21100         | 25         | #0             | 16QAM      | LV               | NT                | 139.23         | 0.055           | PASS    |
| Band7 | 5                  | 21100         | 25         | #0             | 16QAM      | NV               | NT                | 176.08         | 0.069           | PASS    |
| Band7 | 5                  | 21100         | 25         | #0             | 16QAM      | HV               | NT                | 129.30         | 0.051           | PASS    |
| Band7 | 5                  | 21425         | 25         | #0             | QPSK       | LV               | NT                | 38.17          | 0.015           | PASS    |
| Band7 | 5                  | 21425         | 25         | #0             | QPSK       | NV               | NT                | 82.37          | 0.032           | PASS    |
| Band7 | 5                  | 21425         | 25         | #0             | QPSK       | HV               | NT                | 145.78         | 0.057           | PASS    |
| Band7 | 5                  | 21425         | 25         | #0             | 16QAM      | LV               | NT                | 9.24           | 0.004           | PASS    |
| Band7 | 5                  | 21425         | 25         | #0             | 16QAM      | NV               | NT                | -25.94         | -0.010          | PASS    |
| Band7 | 5                  | 21425         | 25         | #0             | 16QAM      | HV               | NT                | 110.21         | 0.043           | PASS    |
| Band7 | 10                 | 20800         | 50         | #0             | QPSK       | LV               | NT                | -4.88          | -0.002          | PASS    |
| Band7 | 10                 | 20800         | 50         | #0             | QPSK       | NV               | NT                | 151.68         | 0.061           | PASS    |
| Band7 | 10                 | 20800         | 50         | #0             | QPSK       | HV               | NT                | 112.97         | 0.045           | PASS    |
| Band7 | 10                 | 20800         | 50         | #0             | 16QAM      | LV               | NT                | -13.65         | -0.005          | PASS    |
| Band7 | 10                 | 20800         | 50         | #0             | 16QAM      | NV               | NT                | 0.00           | 0.000           | PASS    |
| Band7 | 10                 | 20800         | 50         | #0             | 16QAM      | HV               | NT                | 0.00           | 0.000           | PASS    |
| Band7 | 10                 | 21100         | 50         | #0             | QPSK       | LV               | NT                | -51.13         | -0.020          | PASS    |
| Band7 | 10                 | 21100         | 50         | #0             | QPSK       | NV               | NT                | 22.63          | 0.009           | PASS    |
| Band7 | 10                 | 21100         | 50         | #0             | QPSK       | HV               | NT                | 7.15           | 0.003           | PASS    |
| Band7 | 10                 | 21100         | 50         | #0             | 16QAM      | LV               | NT                | -21.46         | -0.008          | PASS    |
| Band7 | 10                 | 21100         | 50         | #0             | 16QAM      | NV               | NT                | 1.89           | 0.001           | PASS    |
| Band7 | 10                 | 21100         | 50         | #0             | 16QAM      | HV               | NT                | 5.14           | 0.002           | PASS    |
| Band7 | 10                 | 21400         | 50         | #0             | QPSK       | LV               | NT                | -17.91         | -0.007          | PASS    |
| Band7 | 10                 | 21400         | 50         | #0             | QPSK       | NV               | NT                | -0.84          | 0.000           | PASS    |
| Band7 | 10                 | 21400         | 50         | #0             | QPSK       | HV               | NT                | 7.75           | 0.003           | PASS    |
| Band7 | 10                 | 21400         | 50         | #0             | 16QAM      | LV               | NT                | 11.64          | 0.005           | PASS    |
| Band7 | 10                 | 21400         | 50         | #0             | 16QAM      | NV               | NT                | 16.62          | 0.006           | PASS    |
| Band7 | 10                 | 21400         | 50         | #0             | 16QAM      | HV               | NT                | 17.97          | 0.007           | PASS    |
| Band7 | 15                 | 20825         | 75         | #0             | QPSK       | LV               | NT                | -46.32         | -0.018          | PASS    |



|       |    |       |     |    |       |    |    |        |        |      |
|-------|----|-------|-----|----|-------|----|----|--------|--------|------|
| Band7 | 15 | 20825 | 75  | #0 | QPSK  | NV | NT | 9.86   | 0.004  | PASS |
| Band7 | 15 | 20825 | 75  | #0 | QPSK  | HV | NT | -6.48  | -0.003 | PASS |
| Band7 | 15 | 20825 | 75  | #0 | 16QAM | LV | NT | -3.75  | -0.001 | PASS |
| Band7 | 15 | 20825 | 75  | #0 | 16QAM | NV | NT | 7.47   | 0.003  | PASS |
| Band7 | 15 | 20825 | 75  | #0 | 16QAM | HV | NT | 0.06   | 0.000  | PASS |
| Band7 | 15 | 21100 | 75  | #0 | QPSK  | LV | NT | -24.68 | -0.010 | PASS |
| Band7 | 15 | 21100 | 75  | #0 | QPSK  | NV | NT | 13.78  | 0.005  | PASS |
| Band7 | 15 | 21100 | 75  | #0 | QPSK  | HV | NT | -14.52 | -0.006 | PASS |
| Band7 | 15 | 21100 | 75  | #0 | 16QAM | LV | NT | 2.86   | 0.001  | PASS |
| Band7 | 15 | 21100 | 75  | #0 | 16QAM | NV | NT | 6.45   | 0.003  | PASS |
| Band7 | 15 | 21100 | 75  | #0 | 16QAM | HV | NT | 29.43  | 0.012  | PASS |
| Band7 | 15 | 21375 | 75  | #0 | QPSK  | LV | NT | -6.38  | -0.002 | PASS |
| Band7 | 15 | 21375 | 75  | #0 | QPSK  | NV | NT | 11.06  | 0.004  | PASS |
| Band7 | 15 | 21375 | 75  | #0 | QPSK  | HV | NT | 14.51  | 0.006  | PASS |
| Band7 | 15 | 21375 | 75  | #0 | 16QAM | LV | NT | -27.65 | -0.011 | PASS |
| Band7 | 15 | 21375 | 75  | #0 | 16QAM | NV | NT | 12.39  | 0.005  | PASS |
| Band7 | 15 | 21375 | 75  | #0 | 16QAM | HV | NT | 5.34   | 0.002  | PASS |
| Band7 | 20 | 20850 | 100 | #0 | QPSK  | LV | NT | -10.94 | -0.004 | PASS |
| Band7 | 20 | 20850 | 100 | #0 | QPSK  | NV | NT | -14.28 | -0.006 | PASS |
| Band7 | 20 | 20850 | 100 | #0 | QPSK  | HV | NT | 5.79   | 0.002  | PASS |
| Band7 | 20 | 20850 | 100 | #0 | 16QAM | LV | NT | 1.70   | 0.001  | PASS |
| Band7 | 20 | 20850 | 100 | #0 | 16QAM | NV | NT | 24.30  | 0.010  | PASS |
| Band7 | 20 | 20850 | 100 | #0 | 16QAM | HV | NT | -6.28  | -0.003 | PASS |
| Band7 | 20 | 21100 | 100 | #0 | QPSK  | LV | NT | 24.35  | 0.010  | PASS |
| Band7 | 20 | 21100 | 100 | #0 | QPSK  | NV | NT | -39.91 | -0.016 | PASS |
| Band7 | 20 | 21100 | 100 | #0 | QPSK  | HV | NT | -5.71  | -0.002 | PASS |
| Band7 | 20 | 21100 | 100 | #0 | 16QAM | LV | NT | 21.72  | 0.009  | PASS |
| Band7 | 20 | 21100 | 100 | #0 | 16QAM | NV | NT | 2.93   | 0.001  | PASS |
| Band7 | 20 | 21100 | 100 | #0 | 16QAM | HV | NT | 18.63  | 0.007  | PASS |
| Band7 | 20 | 21350 | 100 | #0 | QPSK  | LV | NT | -14.00 | -0.005 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | QPSK  | NV | NT | 1.16   | 0.000  | PASS |
| Band7 | 20 | 21350 | 100 | #0 | QPSK  | HV | NT | 12.49  | 0.005  | PASS |
| Band7 | 20 | 21350 | 100 | #0 | 16QAM | LV | NT | 5.94   | 0.002  | PASS |
| Band7 | 20 | 21350 | 100 | #0 | 16QAM | NV | NT | 30.68  | 0.012  | PASS |
| Band7 | 20 | 21350 | 100 | #0 | 16QAM | HV | NT | -3.19  | -0.001 | PASS |

| Band  | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Size | RB<br>Position | Modulation | Voltage<br>(Vdc) | Temperatue<br>(C) | Result<br>(Hz) | Result<br>(ppm) | Verdict |
|-------|--------------------|---------------|------------|----------------|------------|------------------|-------------------|----------------|-----------------|---------|
| Band7 | 5                  | 20775         | 25         | #0             | QPSK       | NV               | -30               | -5.68          | -0.002          | PASS    |
| Band7 | 5                  | 20775         | 25         | #0             | QPSK       | NV               | -20               | -9.77          | -0.004          | PASS    |
| Band7 | 5                  | 20775         | 25         | #0             | QPSK       | NV               | -10               | 52.79          | 0.021           | PASS    |
| Band7 | 5                  | 20775         | 25         | #0             | QPSK       | NV               | 0                 | -4.71          | -0.002          | PASS    |
| Band7 | 5                  | 20775         | 25         | #0             | QPSK       | NV               | 10                | -0.03          | 0.000           | PASS    |



|       |   |       |    |    |       |    |     |        |        |      |
|-------|---|-------|----|----|-------|----|-----|--------|--------|------|
| Band7 | 5 | 20775 | 25 | #0 | QPSK  | NV | 20  | -7.01  | -0.003 | PASS |
| Band7 | 5 | 20775 | 25 | #0 | QPSK  | NV | 30  | -12.29 | -0.005 | PASS |
| Band7 | 5 | 20775 | 25 | #0 | QPSK  | NV | 40  | -12.26 | -0.005 | PASS |
| Band7 | 5 | 20775 | 25 | #0 | QPSK  | NV | 50  | 32.86  | 0.013  | PASS |
| Band7 | 5 | 20775 | 25 | #0 | 16QAM | NV | -30 | 22.37  | 0.009  | PASS |
| Band7 | 5 | 20775 | 25 | #0 | 16QAM | NV | -20 | 2.63   | 0.001  | PASS |
| Band7 | 5 | 20775 | 25 | #0 | 16QAM | NV | -10 | 8.27   | 0.003  | PASS |
| Band7 | 5 | 20775 | 25 | #0 | 16QAM | NV | 0   | -12.37 | -0.005 | PASS |
| Band7 | 5 | 20775 | 25 | #0 | 16QAM | NV | 10  | -6.88  | -0.003 | PASS |
| Band7 | 5 | 20775 | 25 | #0 | 16QAM | NV | 20  | -1.37  | -0.001 | PASS |
| Band7 | 5 | 20775 | 25 | #0 | 16QAM | NV | 30  | -10.70 | -0.004 | PASS |
| Band7 | 5 | 20775 | 25 | #0 | 16QAM | NV | 40  | -7.71  | -0.003 | PASS |
| Band7 | 5 | 20775 | 25 | #0 | 16QAM | NV | 50  | 77.85  | 0.031  | PASS |
| Band7 | 5 | 21100 | 25 | #0 | QPSK  | NV | -30 | -14.51 | -0.006 | PASS |
| Band7 | 5 | 21100 | 25 | #0 | QPSK  | NV | -20 | 0.66   | 0.000  | PASS |
| Band7 | 5 | 21100 | 25 | #0 | QPSK  | NV | -10 | 2.42   | 0.001  | PASS |
| Band7 | 5 | 21100 | 25 | #0 | QPSK  | NV | 0   | -3.42  | -0.001 | PASS |
| Band7 | 5 | 21100 | 25 | #0 | QPSK  | NV | 10  | -15.48 | -0.006 | PASS |
| Band7 | 5 | 21100 | 25 | #0 | QPSK  | NV | 20  | -12.42 | -0.005 | PASS |
| Band7 | 5 | 21100 | 25 | #0 | QPSK  | NV | 30  | 5.76   | 0.002  | PASS |
| Band7 | 5 | 21100 | 25 | #0 | QPSK  | NV | 40  | -4.11  | -0.002 | PASS |
| Band7 | 5 | 21100 | 25 | #0 | QPSK  | NV | 50  | -14.25 | -0.006 | PASS |
| Band7 | 5 | 21100 | 25 | #0 | 16QAM | NV | -30 | -6.22  | -0.002 | PASS |
| Band7 | 5 | 21100 | 25 | #0 | 16QAM | NV | -20 | -12.53 | -0.005 | PASS |
| Band7 | 5 | 21100 | 25 | #0 | 16QAM | NV | -10 | -1.36  | -0.001 | PASS |
| Band7 | 5 | 21100 | 25 | #0 | 16QAM | NV | 0   | 60.47  | 0.024  | PASS |
| Band7 | 5 | 21100 | 25 | #0 | 16QAM | NV | 10  | -0.29  | 0.000  | PASS |
| Band7 | 5 | 21100 | 25 | #0 | 16QAM | NV | 20  | 0.67   | 0.000  | PASS |
| Band7 | 5 | 21100 | 25 | #0 | 16QAM | NV | 30  | -3.72  | -0.001 | PASS |
| Band7 | 5 | 21100 | 25 | #0 | 16QAM | NV | 40  | 4.33   | 0.002  | PASS |
| Band7 | 5 | 21100 | 25 | #0 | 16QAM | NV | 50  | -2.25  | -0.001 | PASS |
| Band7 | 5 | 21425 | 25 | #0 | QPSK  | NV | -30 | -14.02 | -0.005 | PASS |
| Band7 | 5 | 21425 | 25 | #0 | QPSK  | NV | -20 | -4.03  | -0.002 | PASS |
| Band7 | 5 | 21425 | 25 | #0 | QPSK  | NV | -10 | 1.79   | 0.001  | PASS |
| Band7 | 5 | 21425 | 25 | #0 | QPSK  | NV | 0   | 0.21   | 0.000  | PASS |
| Band7 | 5 | 21425 | 25 | #0 | QPSK  | NV | 10  | -12.73 | -0.005 | PASS |
| Band7 | 5 | 21425 | 25 | #0 | QPSK  | NV | 20  | -4.79  | -0.002 | PASS |
| Band7 | 5 | 21425 | 25 | #0 | QPSK  | NV | 30  | -18.91 | -0.007 | PASS |
| Band7 | 5 | 21425 | 25 | #0 | QPSK  | NV | 40  | -21.64 | -0.008 | PASS |
| Band7 | 5 | 21425 | 25 | #0 | QPSK  | NV | 50  | -10.34 | -0.004 | PASS |
| Band7 | 5 | 21425 | 25 | #0 | 16QAM | NV | -30 | -15.39 | -0.006 | PASS |
| Band7 | 5 | 21425 | 25 | #0 | 16QAM | NV | -20 | 6.57   | 0.003  | PASS |
| Band7 | 5 | 21425 | 25 | #0 | 16QAM | NV | -10 | -11.69 | -0.005 | PASS |

|       |    |       |    |    |       |    |     |        |        |      |
|-------|----|-------|----|----|-------|----|-----|--------|--------|------|
| Band7 | 5  | 21425 | 25 | #0 | 16QAM | NV | 0   | -11.37 | -0.004 | PASS |
| Band7 | 5  | 21425 | 25 | #0 | 16QAM | NV | 10  | -9.30  | -0.004 | PASS |
| Band7 | 5  | 21425 | 25 | #0 | 16QAM | NV | 20  | -10.11 | -0.004 | PASS |
| Band7 | 5  | 21425 | 25 | #0 | 16QAM | NV | 30  | 15.25  | 0.006  | PASS |
| Band7 | 5  | 21425 | 25 | #0 | 16QAM | NV | 40  | 45.60  | 0.018  | PASS |
| Band7 | 5  | 21425 | 25 | #0 | 16QAM | NV | 50  | 16.18  | 0.006  | PASS |
| Band7 | 10 | 20800 | 50 | #0 | QPSK  | NV | -30 | 27.69  | 0.011  | PASS |
| Band7 | 10 | 20800 | 50 | #0 | QPSK  | NV | -20 | -4.75  | -0.002 | PASS |
| Band7 | 10 | 20800 | 50 | #0 | QPSK  | NV | -10 | -6.78  | -0.003 | PASS |
| Band7 | 10 | 20800 | 50 | #0 | QPSK  | NV | 0   | -7.08  | -0.003 | PASS |
| Band7 | 10 | 20800 | 50 | #0 | QPSK  | NV | 10  | -10.61 | -0.004 | PASS |
| Band7 | 10 | 20800 | 50 | #0 | QPSK  | NV | 20  | -7.81  | -0.003 | PASS |
| Band7 | 10 | 20800 | 50 | #0 | QPSK  | NV | 30  | -13.82 | -0.006 | PASS |
| Band7 | 10 | 20800 | 50 | #0 | QPSK  | NV | 40  | -9.70  | -0.004 | PASS |
| Band7 | 10 | 20800 | 50 | #0 | QPSK  | NV | 50  | -2.16  | -0.001 | PASS |
| Band7 | 10 | 20800 | 50 | #0 | 16QAM | NV | -30 | -6.14  | -0.002 | PASS |
| Band7 | 10 | 20800 | 50 | #0 | 16QAM | NV | -20 | 1.43   | 0.001  | PASS |
| Band7 | 10 | 20800 | 50 | #0 | 16QAM | NV | -10 | -2.69  | -0.001 | PASS |
| Band7 | 10 | 20800 | 50 | #0 | 16QAM | NV | 0   | 5.01   | 0.002  | PASS |
| Band7 | 10 | 20800 | 50 | #0 | 16QAM | NV | 10  | 4.86   | 0.002  | PASS |
| Band7 | 10 | 20800 | 50 | #0 | 16QAM | NV | 20  | -5.32  | -0.002 | PASS |
| Band7 | 10 | 20800 | 50 | #0 | 16QAM | NV | 30  | -5.51  | -0.002 | PASS |
| Band7 | 10 | 20800 | 50 | #0 | 16QAM | NV | 40  | 91.21  | 0.036  | PASS |
| Band7 | 10 | 20800 | 50 | #0 | 16QAM | NV | 50  | -2.09  | -0.001 | PASS |
| Band7 | 10 | 21100 | 50 | #0 | QPSK  | NV | -30 | -7.87  | -0.003 | PASS |
| Band7 | 10 | 21100 | 50 | #0 | QPSK  | NV | -20 | -6.39  | -0.003 | PASS |
| Band7 | 10 | 21100 | 50 | #0 | QPSK  | NV | -10 | 1.47   | 0.001  | PASS |
| Band7 | 10 | 21100 | 50 | #0 | QPSK  | NV | 0   | 3.29   | 0.001  | PASS |
| Band7 | 10 | 21100 | 50 | #0 | QPSK  | NV | 10  | 4.69   | 0.002  | PASS |
| Band7 | 10 | 21100 | 50 | #0 | QPSK  | NV | 20  | -1.85  | -0.001 | PASS |
| Band7 | 10 | 21100 | 50 | #0 | QPSK  | NV | 30  | 3.99   | 0.002  | PASS |
| Band7 | 10 | 21100 | 50 | #0 | QPSK  | NV | 40  | -1.13  | 0.000  | PASS |
| Band7 | 10 | 21100 | 50 | #0 | QPSK  | NV | 50  | -0.57  | 0.000  | PASS |
| Band7 | 10 | 21100 | 50 | #0 | 16QAM | NV | -30 | 3.96   | 0.002  | PASS |
| Band7 | 10 | 21100 | 50 | #0 | 16QAM | NV | -20 | 4.45   | 0.002  | PASS |
| Band7 | 10 | 21100 | 50 | #0 | 16QAM | NV | -10 | -2.42  | -0.001 | PASS |
| Band7 | 10 | 21100 | 50 | #0 | 16QAM | NV | 0   | -0.63  | 0.000  | PASS |
| Band7 | 10 | 21100 | 50 | #0 | 16QAM | NV | 10  | -0.54  | 0.000  | PASS |
| Band7 | 10 | 21100 | 50 | #0 | 16QAM | NV | 20  | -2.16  | -0.001 | PASS |
| Band7 | 10 | 21100 | 50 | #0 | 16QAM | NV | 30  | 2.40   | 0.001  | PASS |
| Band7 | 10 | 21100 | 50 | #0 | 16QAM | NV | 40  | -7.05  | -0.003 | PASS |
| Band7 | 10 | 21100 | 50 | #0 | 16QAM | NV | 50  | 2.89   | 0.001  | PASS |
| Band7 | 10 | 21400 | 50 | #0 | QPSK  | NV | -30 | 5.88   | 0.002  | PASS |

|       |    |       |    |    |       |    |     |       |        |      |
|-------|----|-------|----|----|-------|----|-----|-------|--------|------|
| Band7 | 10 | 21400 | 50 | #0 | QPSK  | NV | -20 | -1.19 | 0.000  | PASS |
| Band7 | 10 | 21400 | 50 | #0 | QPSK  | NV | -10 | 1.29  | 0.001  | PASS |
| Band7 | 10 | 21400 | 50 | #0 | QPSK  | NV | 0   | -0.99 | 0.000  | PASS |
| Band7 | 10 | 21400 | 50 | #0 | QPSK  | NV | 10  | 50.38 | 0.020  | PASS |
| Band7 | 10 | 21400 | 50 | #0 | QPSK  | NV | 20  | 1.99  | 0.001  | PASS |
| Band7 | 10 | 21400 | 50 | #0 | QPSK  | NV | 30  | 6.35  | 0.002  | PASS |
| Band7 | 10 | 21400 | 50 | #0 | QPSK  | NV | 40  | -1.67 | -0.001 | PASS |
| Band7 | 10 | 21400 | 50 | #0 | QPSK  | NV | 50  | -2.73 | -0.001 | PASS |
| Band7 | 10 | 21400 | 50 | #0 | 16QAM | NV | -30 | 7.95  | 0.003  | PASS |
| Band7 | 10 | 21400 | 50 | #0 | 16QAM | NV | -20 | 2.86  | 0.001  | PASS |
| Band7 | 10 | 21400 | 50 | #0 | 16QAM | NV | -10 | 10.74 | 0.004  | PASS |
| Band7 | 10 | 21400 | 50 | #0 | 16QAM | NV | 0   | -0.67 | 0.000  | PASS |
| Band7 | 10 | 21400 | 50 | #0 | 16QAM | NV | 10  | -0.79 | 0.000  | PASS |
| Band7 | 10 | 21400 | 50 | #0 | 16QAM | NV | 20  | -3.10 | -0.001 | PASS |
| Band7 | 10 | 21400 | 50 | #0 | 16QAM | NV | 30  | 8.84  | 0.003  | PASS |
| Band7 | 10 | 21400 | 50 | #0 | 16QAM | NV | 40  | -1.00 | 0.000  | PASS |
| Band7 | 10 | 21400 | 50 | #0 | 16QAM | NV | 50  | 3.19  | 0.001  | PASS |
| Band7 | 15 | 20825 | 75 | #0 | QPSK  | NV | -30 | -3.48 | -0.001 | PASS |
| Band7 | 15 | 20825 | 75 | #0 | QPSK  | NV | -20 | -3.32 | -0.001 | PASS |
| Band7 | 15 | 20825 | 75 | #0 | QPSK  | NV | -10 | -0.59 | 0.000  | PASS |
| Band7 | 15 | 20825 | 75 | #0 | QPSK  | NV | 0   | -6.64 | -0.003 | PASS |
| Band7 | 15 | 20825 | 75 | #0 | QPSK  | NV | 10  | -1.07 | 0.000  | PASS |
| Band7 | 15 | 20825 | 75 | #0 | QPSK  | NV | 20  | -2.00 | -0.001 | PASS |
| Band7 | 15 | 20825 | 75 | #0 | QPSK  | NV | 30  | 1.89  | 0.001  | PASS |
| Band7 | 15 | 20825 | 75 | #0 | QPSK  | NV | 40  | -9.28 | -0.004 | PASS |
| Band7 | 15 | 20825 | 75 | #0 | QPSK  | NV | 50  | 12.33 | 0.005  | PASS |
| Band7 | 15 | 20825 | 75 | #0 | 16QAM | NV | -30 | -3.29 | -0.001 | PASS |
| Band7 | 15 | 20825 | 75 | #0 | 16QAM | NV | -20 | -7.32 | -0.003 | PASS |
| Band7 | 15 | 20825 | 75 | #0 | 16QAM | NV | -10 | -1.89 | -0.001 | PASS |
| Band7 | 15 | 20825 | 75 | #0 | 16QAM | NV | 0   | -3.12 | -0.001 | PASS |
| Band7 | 15 | 20825 | 75 | #0 | 16QAM | NV | 10  | -2.02 | -0.001 | PASS |
| Band7 | 15 | 20825 | 75 | #0 | 16QAM | NV | 20  | -2.03 | -0.001 | PASS |
| Band7 | 15 | 20825 | 75 | #0 | 16QAM | NV | 30  | 1.60  | 0.001  | PASS |
| Band7 | 15 | 20825 | 75 | #0 | 16QAM | NV | 40  | -4.49 | -0.002 | PASS |
| Band7 | 15 | 20825 | 75 | #0 | 16QAM | NV | 50  | -5.51 | -0.002 | PASS |
| Band7 | 15 | 21100 | 75 | #0 | QPSK  | NV | -30 | 7.32  | 0.003  | PASS |
| Band7 | 15 | 21100 | 75 | #0 | QPSK  | NV | -20 | -8.37 | -0.003 | PASS |
| Band7 | 15 | 21100 | 75 | #0 | QPSK  | NV | -10 | 2.47  | 0.001  | PASS |
| Band7 | 15 | 21100 | 75 | #0 | QPSK  | NV | 0   | -2.05 | -0.001 | PASS |
| Band7 | 15 | 21100 | 75 | #0 | QPSK  | NV | 10  | 6.81  | 0.003  | PASS |
| Band7 | 15 | 21100 | 75 | #0 | QPSK  | NV | 20  | 1.79  | 0.001  | PASS |
| Band7 | 15 | 21100 | 75 | #0 | QPSK  | NV | 30  | -5.79 | -0.002 | PASS |
| Band7 | 15 | 21100 | 75 | #0 | QPSK  | NV | 40  | -5.46 | -0.002 | PASS |

|       |    |       |     |    |       |    |     |       |        |      |
|-------|----|-------|-----|----|-------|----|-----|-------|--------|------|
| Band7 | 15 | 21100 | 75  | #0 | QPSK  | NV | 50  | 0.50  | 0.000  | PASS |
| Band7 | 15 | 21100 | 75  | #0 | 16QAM | NV | -30 | 0.51  | 0.000  | PASS |
| Band7 | 15 | 21100 | 75  | #0 | 16QAM | NV | -20 | -9.87 | -0.004 | PASS |
| Band7 | 15 | 21100 | 75  | #0 | 16QAM | NV | -10 | -2.23 | -0.001 | PASS |
| Band7 | 15 | 21100 | 75  | #0 | 16QAM | NV | 0   | 94.76 | 0.037  | PASS |
| Band7 | 15 | 21100 | 75  | #0 | 16QAM | NV | 10  | 5.32  | 0.002  | PASS |
| Band7 | 15 | 21100 | 75  | #0 | 16QAM | NV | 20  | 5.06  | 0.002  | PASS |
| Band7 | 15 | 21100 | 75  | #0 | 16QAM | NV | 30  | 4.68  | 0.002  | PASS |
| Band7 | 15 | 21100 | 75  | #0 | 16QAM | NV | 40  | -0.31 | 0.000  | PASS |
| Band7 | 15 | 21100 | 75  | #0 | 16QAM | NV | 50  | 3.68  | 0.001  | PASS |
| Band7 | 15 | 21375 | 75  | #0 | QPSK  | NV | -30 | -0.73 | 0.000  | PASS |
| Band7 | 15 | 21375 | 75  | #0 | QPSK  | NV | -20 | 8.28  | 0.003  | PASS |
| Band7 | 15 | 21375 | 75  | #0 | QPSK  | NV | -10 | 3.68  | 0.001  | PASS |
| Band7 | 15 | 21375 | 75  | #0 | QPSK  | NV | 0   | 2.26  | 0.001  | PASS |
| Band7 | 15 | 21375 | 75  | #0 | QPSK  | NV | 10  | -0.73 | 0.000  | PASS |
| Band7 | 15 | 21375 | 75  | #0 | QPSK  | NV | 20  | 3.32  | 0.001  | PASS |
| Band7 | 15 | 21375 | 75  | #0 | QPSK  | NV | 30  | 2.12  | 0.001  | PASS |
| Band7 | 15 | 21375 | 75  | #0 | QPSK  | NV | 40  | -4.23 | -0.002 | PASS |
| Band7 | 15 | 21375 | 75  | #0 | QPSK  | NV | 50  | 1.95  | 0.001  | PASS |
| Band7 | 15 | 21375 | 75  | #0 | 16QAM | NV | -30 | 8.80  | 0.003  | PASS |
| Band7 | 15 | 21375 | 75  | #0 | 16QAM | NV | -20 | -1.02 | 0.000  | PASS |
| Band7 | 15 | 21375 | 75  | #0 | 16QAM | NV | -10 | 7.12  | 0.003  | PASS |
| Band7 | 15 | 21375 | 75  | #0 | 16QAM | NV | 0   | 3.96  | 0.002  | PASS |
| Band7 | 15 | 21375 | 75  | #0 | 16QAM | NV | 10  | 7.21  | 0.003  | PASS |
| Band7 | 15 | 21375 | 75  | #0 | 16QAM | NV | 20  | 3.78  | 0.001  | PASS |
| Band7 | 15 | 21375 | 75  | #0 | 16QAM | NV | 30  | 0.62  | 0.000  | PASS |
| Band7 | 15 | 21375 | 75  | #0 | 16QAM | NV | 40  | 3.75  | 0.001  | PASS |
| Band7 | 15 | 21375 | 75  | #0 | 16QAM | NV | 50  | 3.15  | 0.001  | PASS |
| Band7 | 20 | 20850 | 100 | #0 | QPSK  | NV | -30 | 5.41  | 0.002  | PASS |
| Band7 | 20 | 20850 | 100 | #0 | QPSK  | NV | -20 | 7.12  | 0.003  | PASS |
| Band7 | 20 | 20850 | 100 | #0 | QPSK  | NV | -10 | -3.83 | -0.002 | PASS |
| Band7 | 20 | 20850 | 100 | #0 | QPSK  | NV | 0   | -1.03 | 0.000  | PASS |
| Band7 | 20 | 20850 | 100 | #0 | QPSK  | NV | 10  | -0.50 | 0.000  | PASS |
| Band7 | 20 | 20850 | 100 | #0 | QPSK  | NV | 20  | 3.26  | 0.001  | PASS |
| Band7 | 20 | 20850 | 100 | #0 | QPSK  | NV | 30  | 0.14  | 0.000  | PASS |
| Band7 | 20 | 20850 | 100 | #0 | QPSK  | NV | 40  | -1.86 | -0.001 | PASS |
| Band7 | 20 | 20850 | 100 | #0 | QPSK  | NV | 50  | 1.49  | 0.001  | PASS |
| Band7 | 20 | 20850 | 100 | #0 | 16QAM | NV | -30 | 7.57  | 0.003  | PASS |
| Band7 | 20 | 20850 | 100 | #0 | 16QAM | NV | -20 | 1.27  | 0.001  | PASS |
| Band7 | 20 | 20850 | 100 | #0 | 16QAM | NV | -10 | -3.09 | -0.001 | PASS |
| Band7 | 20 | 20850 | 100 | #0 | 16QAM | NV | 0   | 8.67  | 0.003  | PASS |
| Band7 | 20 | 20850 | 100 | #0 | 16QAM | NV | 10  | 32.24 | 0.013  | PASS |
| Band7 | 20 | 20850 | 100 | #0 | 16QAM | NV | 20  | 3.59  | 0.001  | PASS |

|       |    |       |     |    |       |    |     |       |        |      |
|-------|----|-------|-----|----|-------|----|-----|-------|--------|------|
| Band7 | 20 | 20850 | 100 | #0 | 16QAM | NV | 30  | -4.49 | -0.002 | PASS |
| Band7 | 20 | 20850 | 100 | #0 | 16QAM | NV | 40  | 15.65 | 0.006  | PASS |
| Band7 | 20 | 20850 | 100 | #0 | 16QAM | NV | 50  | -0.94 | 0.000  | PASS |
| Band7 | 20 | 21100 | 100 | #0 | QPSK  | NV | -30 | -4.92 | -0.002 | PASS |
| Band7 | 20 | 21100 | 100 | #0 | QPSK  | NV | -20 | -3.88 | -0.002 | PASS |
| Band7 | 20 | 21100 | 100 | #0 | QPSK  | NV | -10 | 3.78  | 0.001  | PASS |
| Band7 | 20 | 21100 | 100 | #0 | QPSK  | NV | 0   | -1.07 | 0.000  | PASS |
| Band7 | 20 | 21100 | 100 | #0 | QPSK  | NV | 10  | 2.42  | 0.001  | PASS |
| Band7 | 20 | 21100 | 100 | #0 | QPSK  | NV | 20  | -0.77 | 0.000  | PASS |
| Band7 | 20 | 21100 | 100 | #0 | QPSK  | NV | 30  | 0.00  | 0.000  | PASS |
| Band7 | 20 | 21100 | 100 | #0 | QPSK  | NV | 40  | 2.47  | 0.001  | PASS |
| Band7 | 20 | 21100 | 100 | #0 | QPSK  | NV | 50  | 8.58  | 0.003  | PASS |
| Band7 | 20 | 21100 | 100 | #0 | 16QAM | NV | -30 | 6.17  | 0.002  | PASS |
| Band7 | 20 | 21100 | 100 | #0 | 16QAM | NV | -20 | -0.83 | 0.000  | PASS |
| Band7 | 20 | 21100 | 100 | #0 | 16QAM | NV | -10 | 4.48  | 0.002  | PASS |
| Band7 | 20 | 21100 | 100 | #0 | 16QAM | NV | 0   | -5.41 | -0.002 | PASS |
| Band7 | 20 | 21100 | 100 | #0 | 16QAM | NV | 10  | 54.03 | 0.021  | PASS |
| Band7 | 20 | 21100 | 100 | #0 | 16QAM | NV | 20  | 1.95  | 0.001  | PASS |
| Band7 | 20 | 21100 | 100 | #0 | 16QAM | NV | 30  | 7.47  | 0.003  | PASS |
| Band7 | 20 | 21100 | 100 | #0 | 16QAM | NV | 40  | 0.33  | 0.000  | PASS |
| Band7 | 20 | 21100 | 100 | #0 | 16QAM | NV | 50  | 5.49  | 0.002  | PASS |
| Band7 | 20 | 21350 | 100 | #0 | QPSK  | NV | -30 | -3.55 | -0.001 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | QPSK  | NV | -20 | -1.70 | -0.001 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | QPSK  | NV | -10 | 1.66  | 0.001  | PASS |
| Band7 | 20 | 21350 | 100 | #0 | QPSK  | NV | 0   | 0.74  | 0.000  | PASS |
| Band7 | 20 | 21350 | 100 | #0 | QPSK  | NV | 10  | -5.36 | -0.002 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | QPSK  | NV | 20  | -3.76 | -0.001 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | QPSK  | NV | 30  | -6.48 | -0.003 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | QPSK  | NV | 40  | 2.25  | 0.001  | PASS |
| Band7 | 20 | 21350 | 100 | #0 | QPSK  | NV | 50  | -2.69 | -0.001 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | 16QAM | NV | -30 | -5.58 | -0.002 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | 16QAM | NV | -20 | 4.48  | 0.002  | PASS |
| Band7 | 20 | 21350 | 100 | #0 | 16QAM | NV | -10 | -2.96 | -0.001 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | 16QAM | NV | 0   | -4.06 | -0.002 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | 16QAM | NV | 10  | 4.48  | 0.002  | PASS |
| Band7 | 20 | 21350 | 100 | #0 | 16QAM | NV | 20  | 0.23  | 0.000  | PASS |
| Band7 | 20 | 21350 | 100 | #0 | 16QAM | NV | 30  | 1.85  | 0.001  | PASS |
| Band7 | 20 | 21350 | 100 | #0 | 16QAM | NV | 40  | -7.60 | -0.003 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | 16QAM | NV | 50  | -5.78 | -0.002 | PASS |

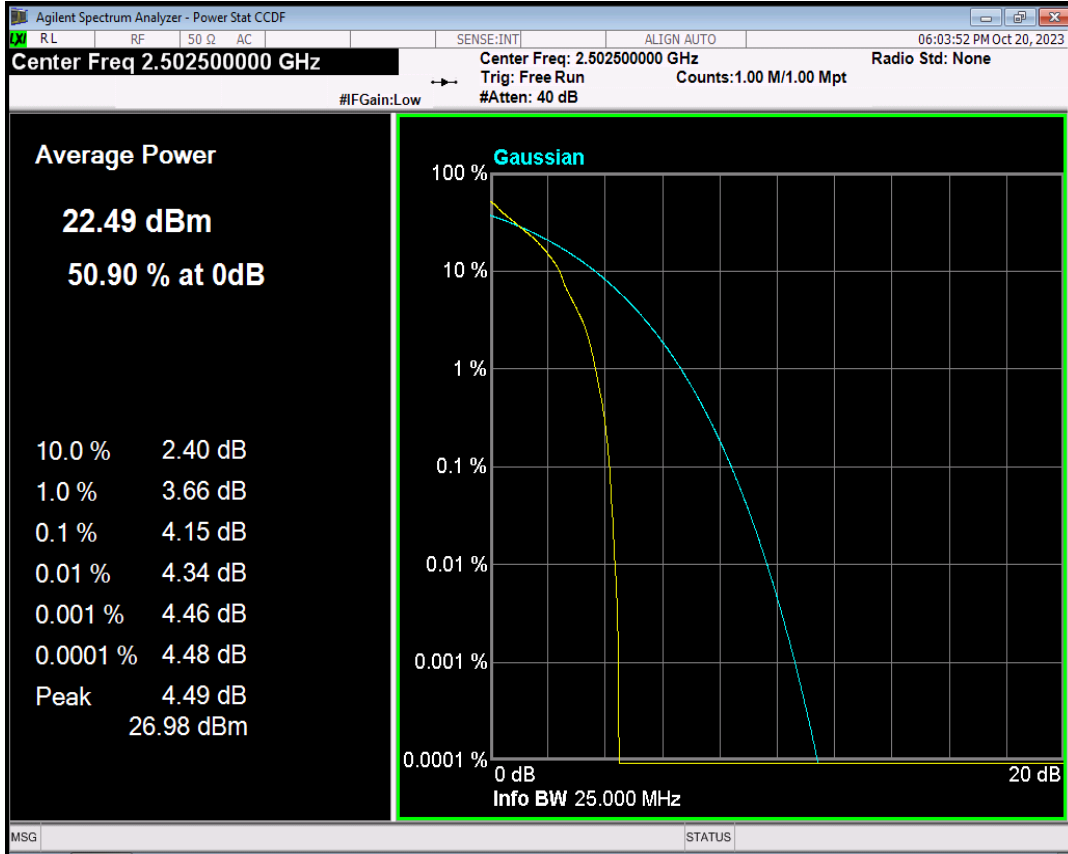
Note: The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

### Appendix 3. Peak-to-Average Ratio

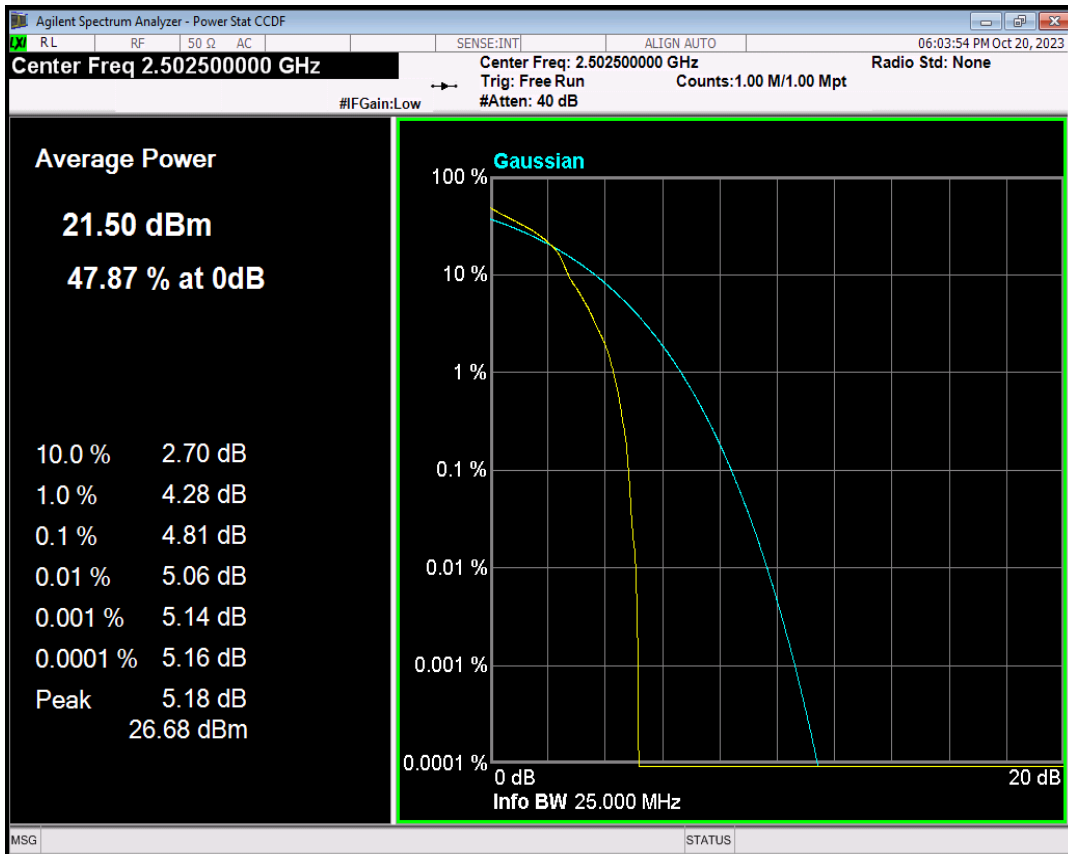
| Band  | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Result (dB) | high Limit (dB) | Verdict |
|-------|-----------------|------------|---------|-------------|------------|-------------|-----------------|---------|
| Band7 | 5               | 20775      | 1       | #0          | QPSK       | 4.15        | 13              | PASS    |
| Band7 | 5               | 20775      | 1       | #0          | 16QAM      | 4.81        | 13              | PASS    |
| Band7 | 5               | 21100      | 1       | #0          | QPSK       | 3.46        | 13              | PASS    |
| Band7 | 5               | 21100      | 1       | #0          | 16QAM      | 4.21        | 13              | PASS    |
| Band7 | 5               | 21425      | 1       | #0          | QPSK       | 2.96        | 13              | PASS    |
| Band7 | 5               | 21425      | 1       | #0          | 16QAM      | 3.72        | 13              | PASS    |
| Band7 | 10              | 20800      | 1       | #0          | QPSK       | 4.10        | 13              | PASS    |
| Band7 | 10              | 20800      | 1       | #0          | 16QAM      | 4.94        | 13              | PASS    |
| Band7 | 10              | 21100      | 1       | #0          | QPSK       | 3.49        | 13              | PASS    |
| Band7 | 10              | 21100      | 1       | #0          | 16QAM      | 4.52        | 13              | PASS    |
| Band7 | 10              | 21400      | 1       | #0          | QPSK       | 3.50        | 13              | PASS    |
| Band7 | 10              | 21400      | 1       | #0          | 16QAM      | 4.32        | 13              | PASS    |
| Band7 | 15              | 20825      | 1       | #0          | QPSK       | 4.28        | 13              | PASS    |
| Band7 | 15              | 20825      | 1       | #0          | 16QAM      | 5.11        | 13              | PASS    |
| Band7 | 15              | 21100      | 1       | #0          | QPSK       | 3.69        | 13              | PASS    |
| Band7 | 15              | 21100      | 1       | #0          | 16QAM      | 4.60        | 13              | PASS    |
| Band7 | 15              | 21375      | 1       | #0          | QPSK       | 4.34        | 13              | PASS    |
| Band7 | 15              | 21375      | 1       | #0          | 16QAM      | 4.99        | 13              | PASS    |
| Band7 | 20              | 20850      | 1       | #0          | QPSK       | 4.25        | 13              | PASS    |
| Band7 | 20              | 20850      | 1       | #0          | 16QAM      | 4.81        | 13              | PASS    |
| Band7 | 20              | 21100      | 1       | #0          | QPSK       | 3.63        | 13              | PASS    |
| Band7 | 20              | 21100      | 1       | #0          | 16QAM      | 4.54        | 13              | PASS    |
| Band7 | 20              | 21350      | 1       | #0          | QPSK       | 4.83        | 13              | PASS    |
| Band7 | 20              | 21350      | 1       | #0          | 16QAM      | 5.52        | 13              | PASS    |

Band7 QPSK BW=5MHz Channel=20775 RB Size=1 Position=#0



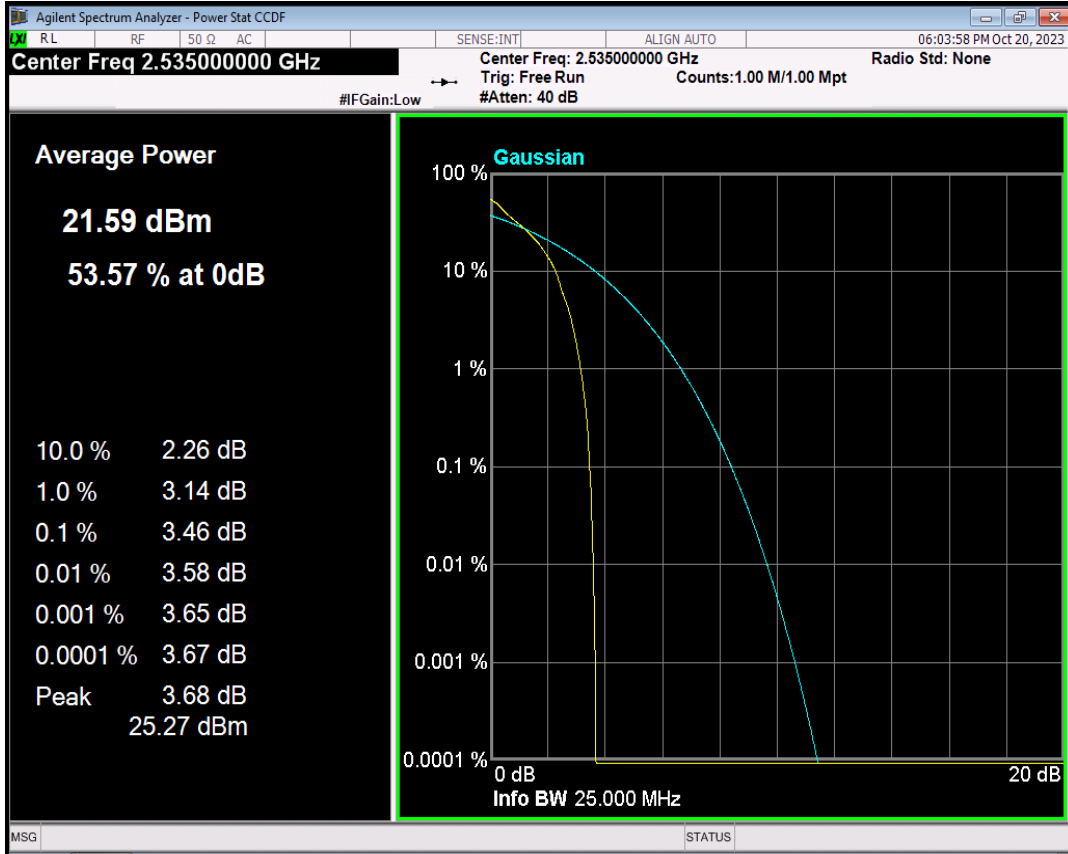


Band7 16QAM BW=5MHz Channel=20775 RB Size=1 Position=#0

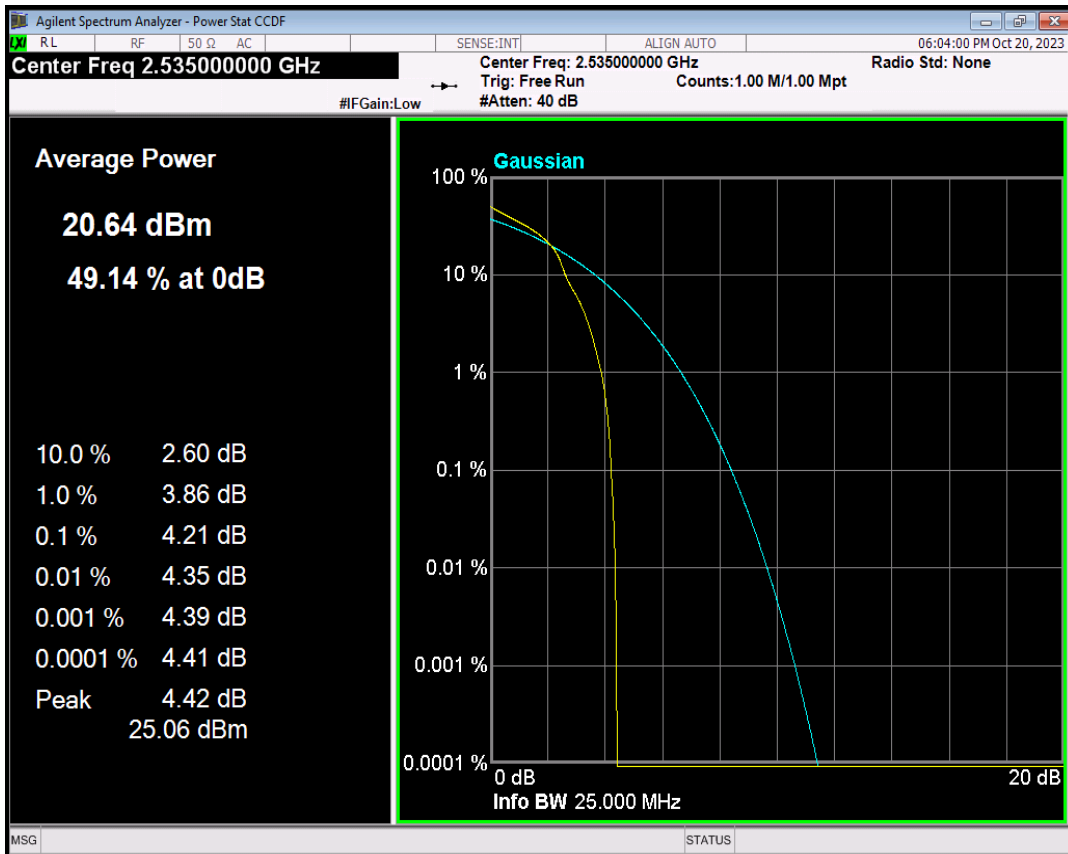


Band7 QPSK BW=5MHz Channel=21100 RB Size=1 Position=#0

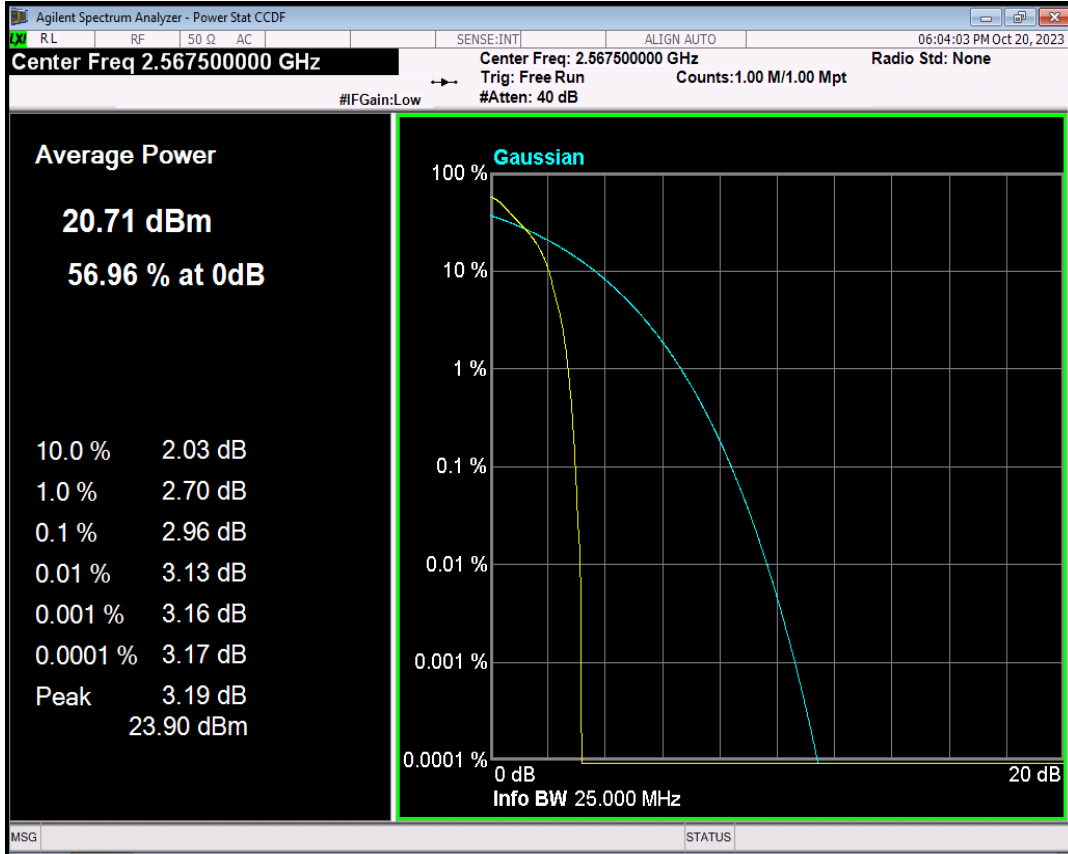




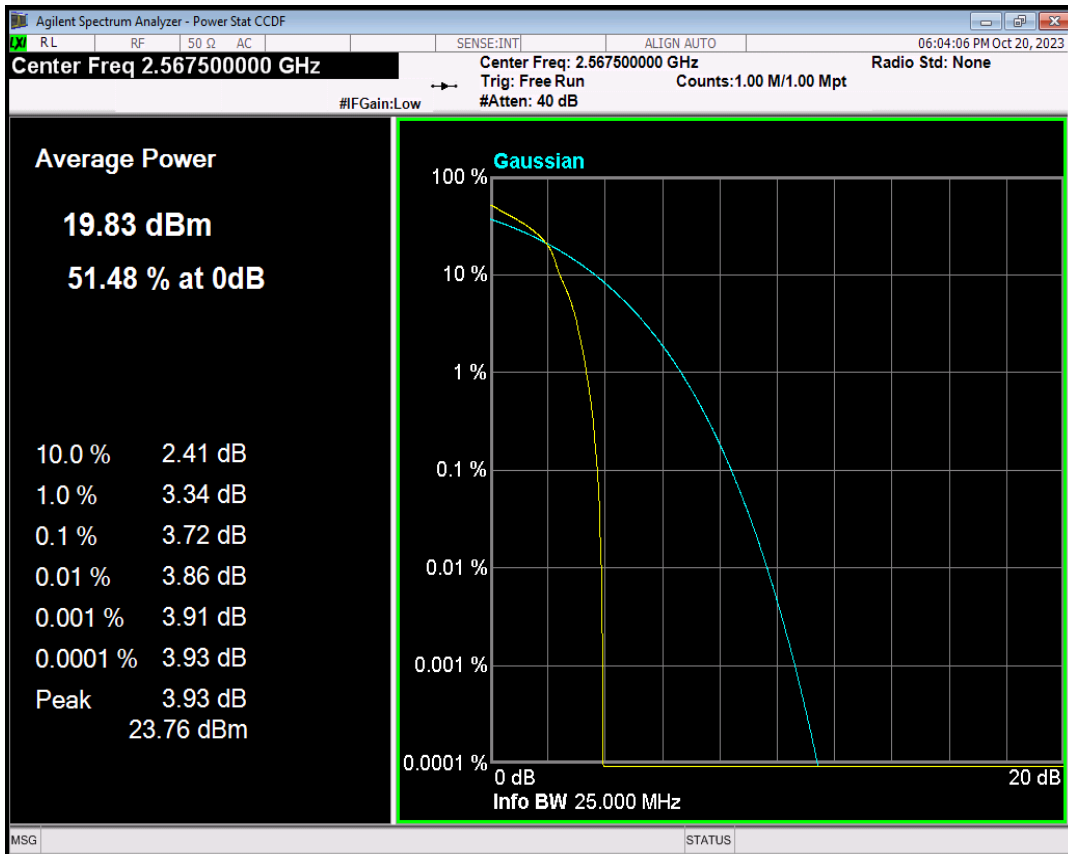
Band7 16QAM BW=5MHz Channel=21100 RB Size=1 Position=#0



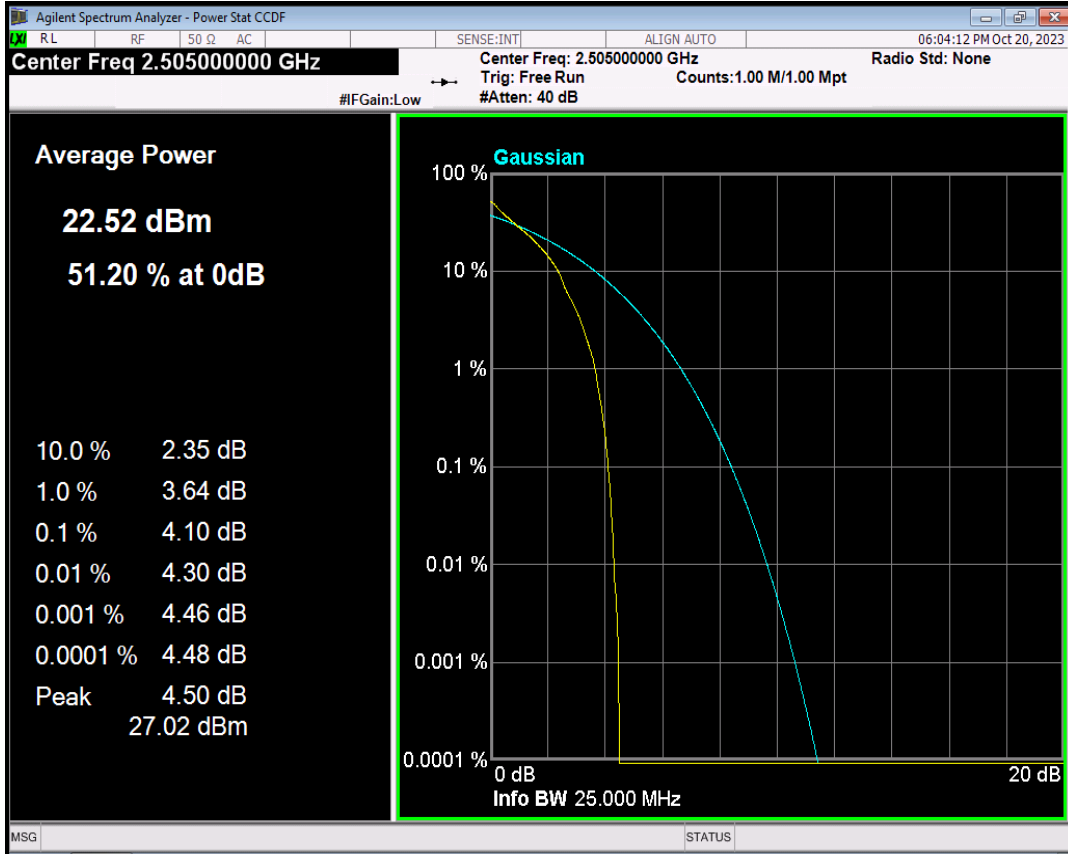
Band7 QPSK BW=5MHz Channel=21425 RB Size=1 Position=#0



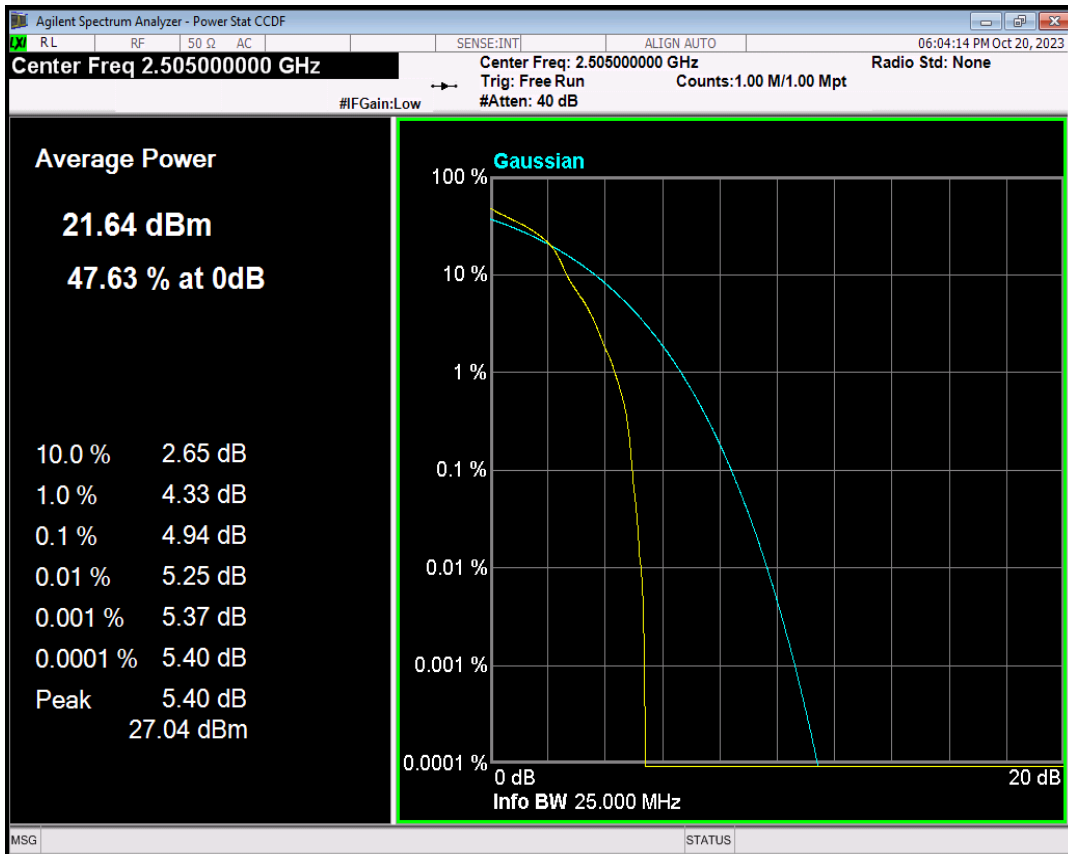
Band7 16QAM BW=5MHz Channel=21425 RB Size=1 Position=#0



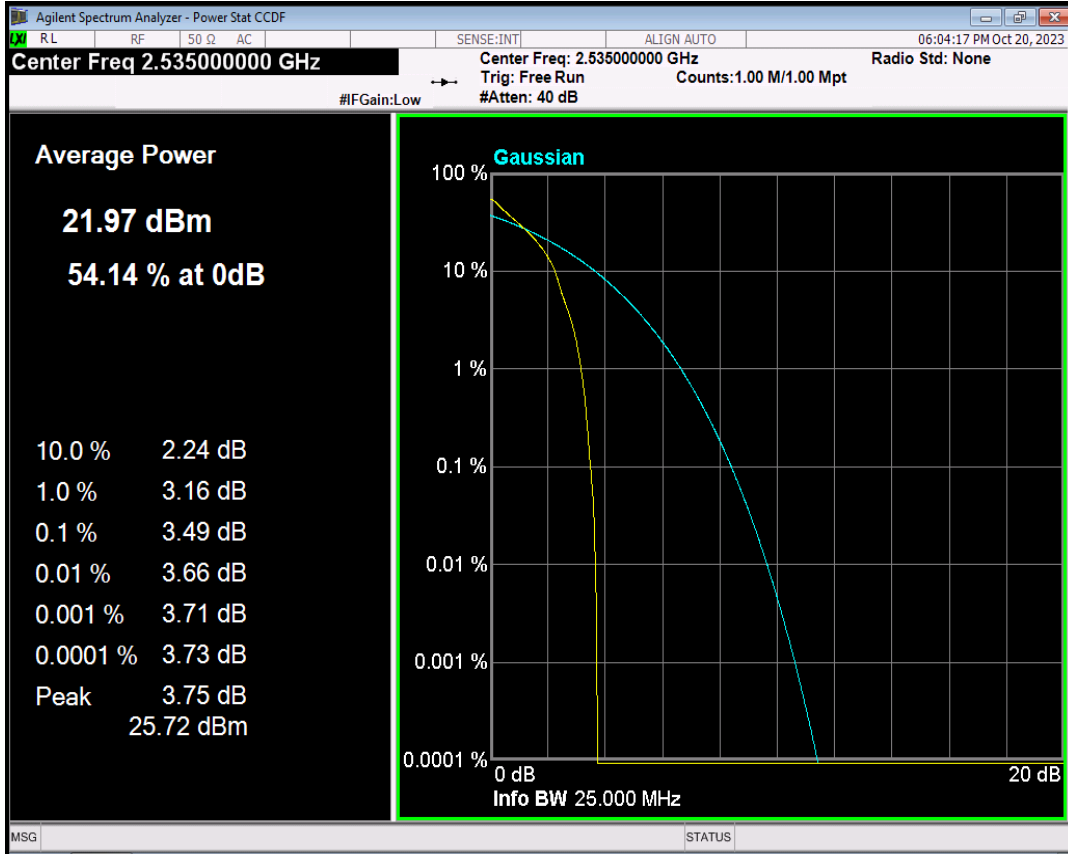
Band7 QPSK BW=10MHz Channel=20800 RB Size=1 Position=#0



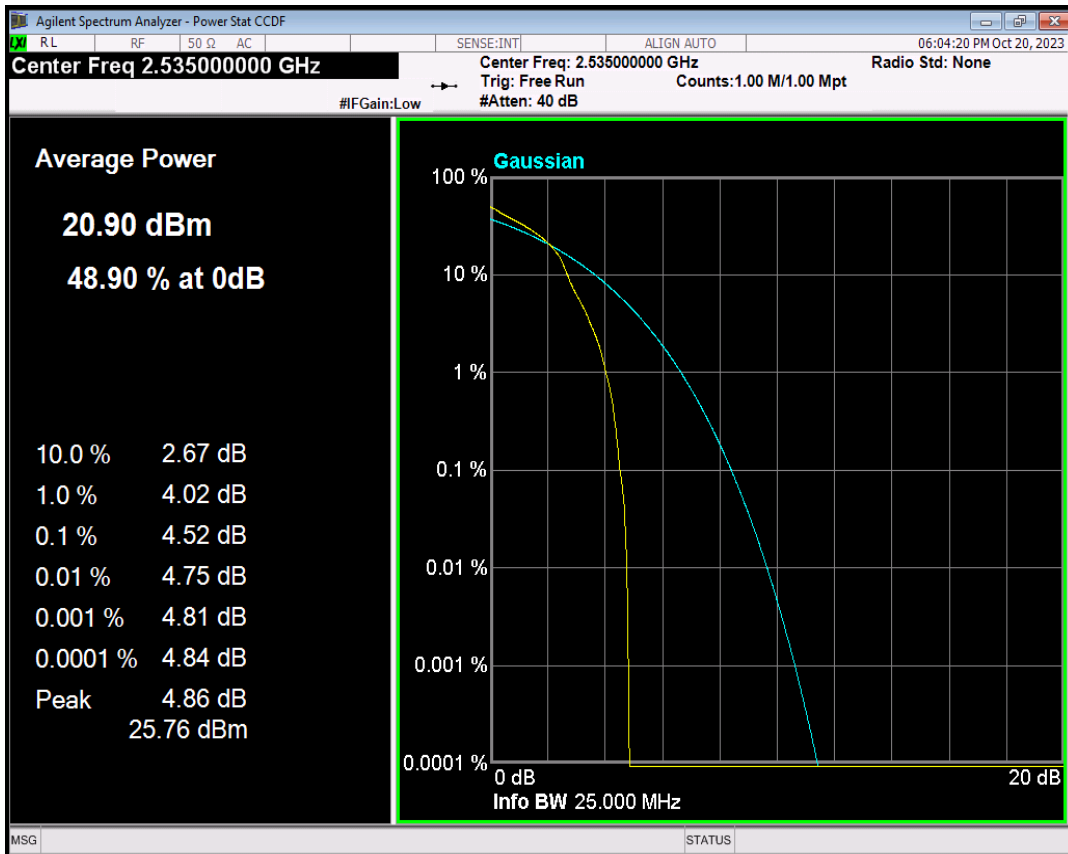
Band7 16QAM BW=10MHz Channel=20800 RB Size=1 Position=#0



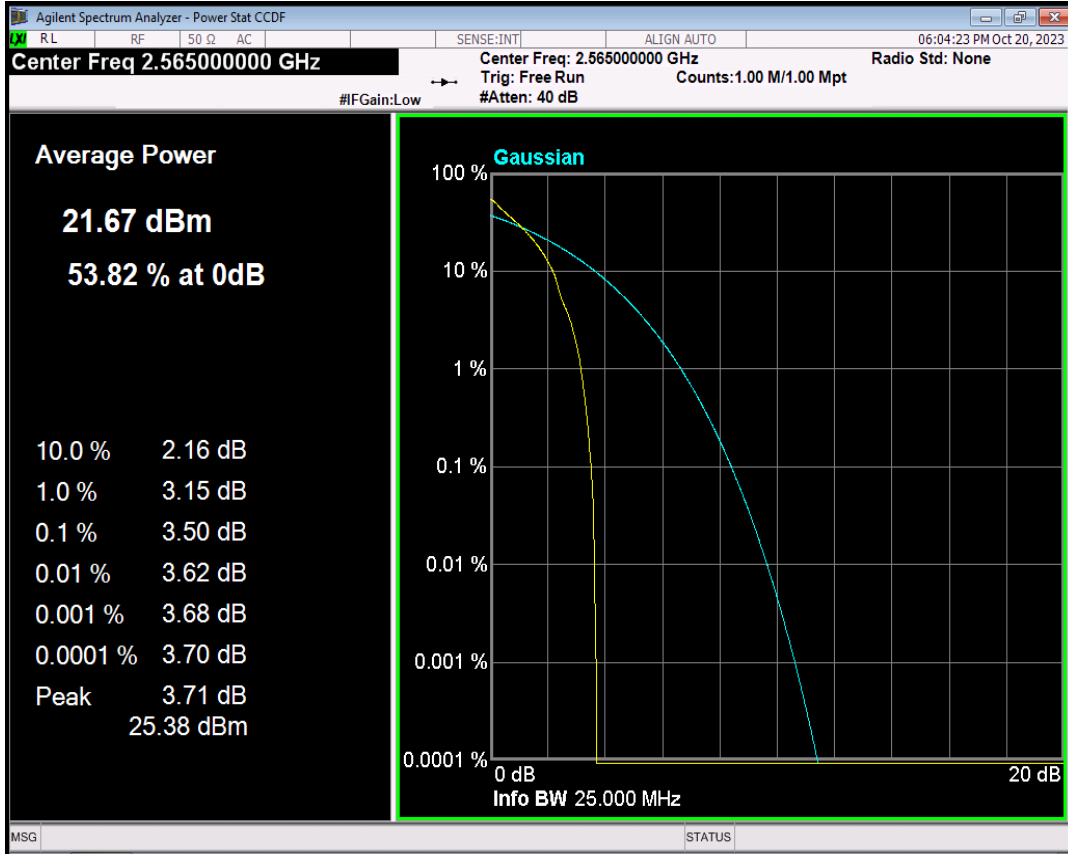
Band7 QPSK BW=10MHz Channel=21100 RB Size=1 Position=#0



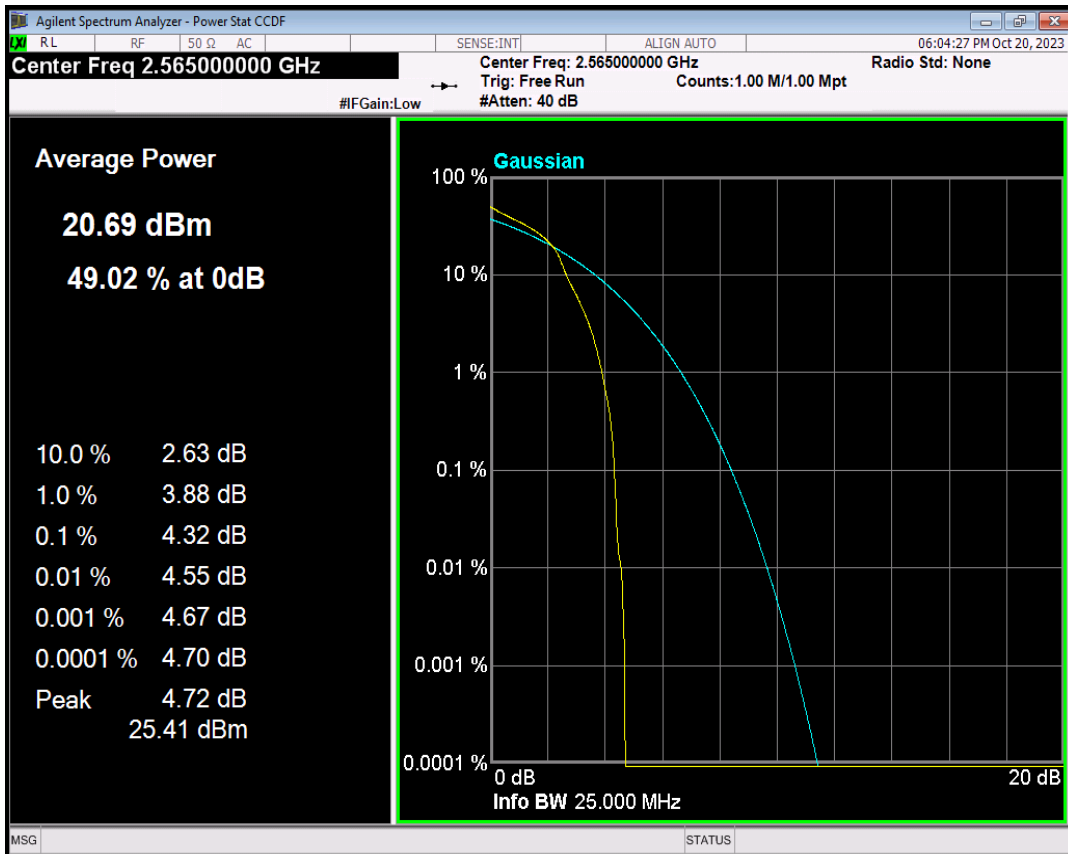
Band7 16QAM BW=10MHz Channel=21100 RB Size=1 Position=#0



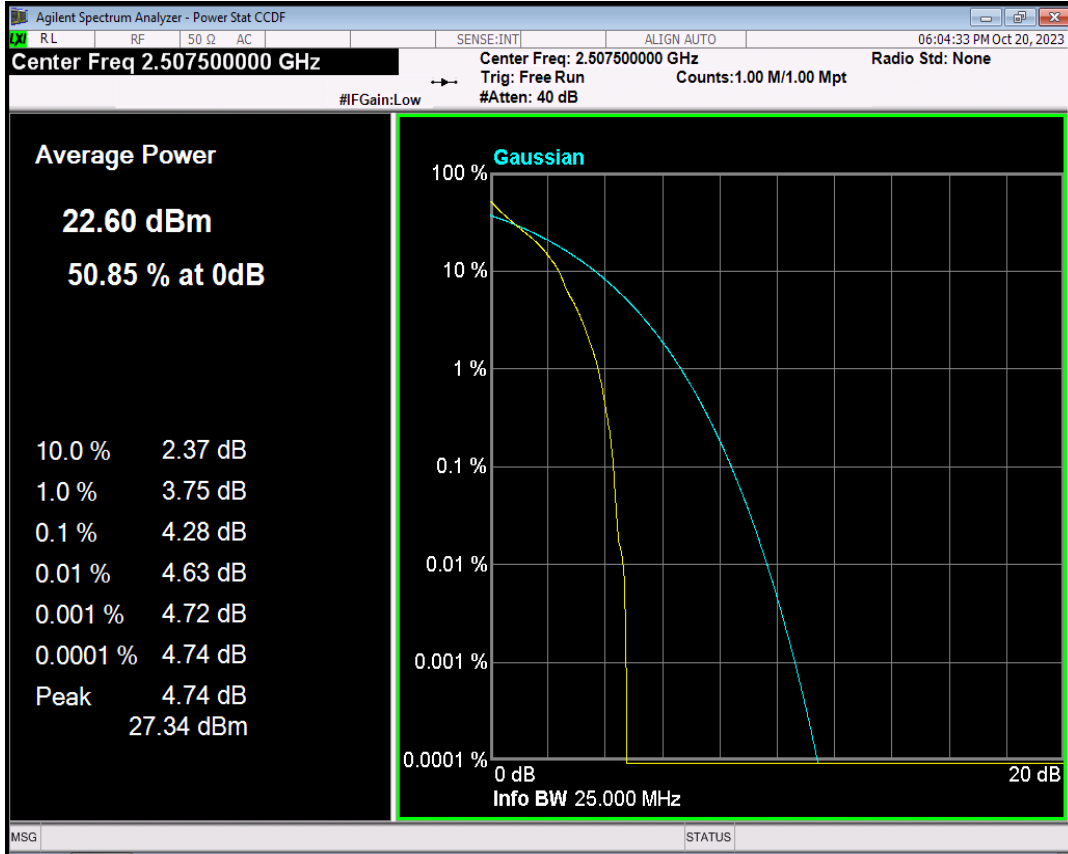
Band7 QPSK BW=10MHz Channel=21400 RB Size=1 Position=#0



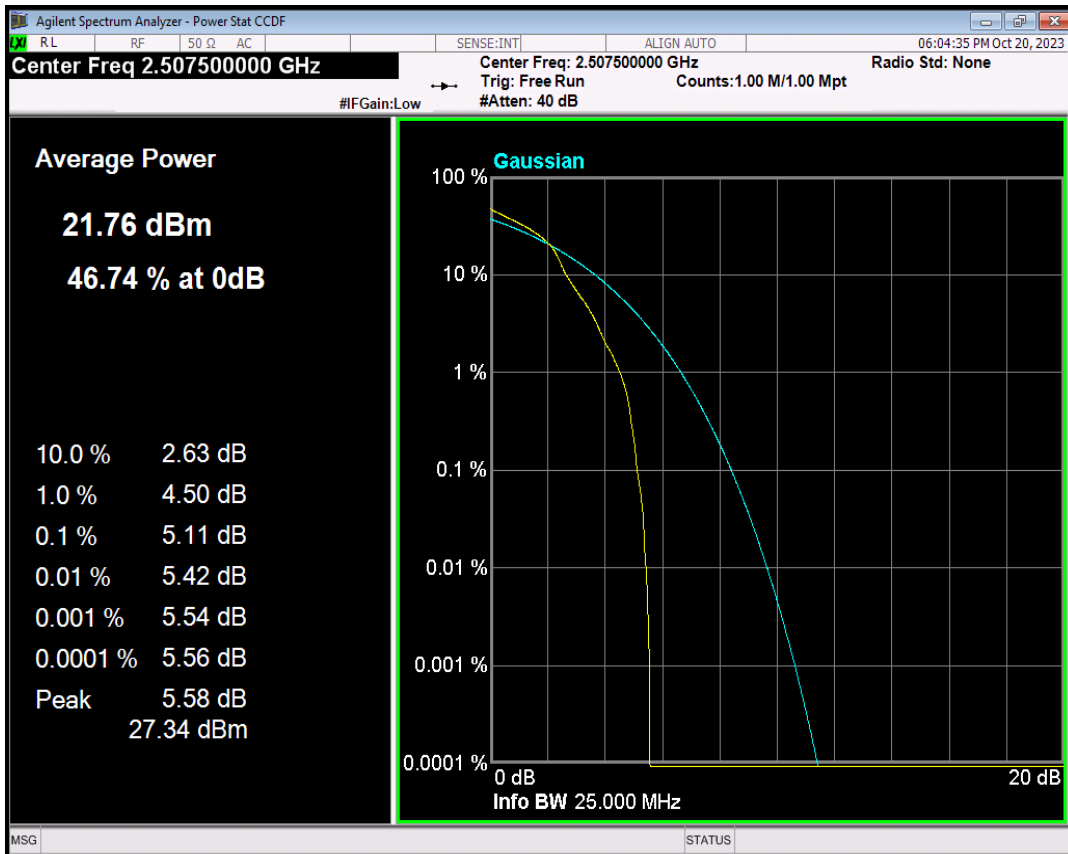
Band7 16QAM BW=10MHz Channel=21400 RB Size=1 Position=#0



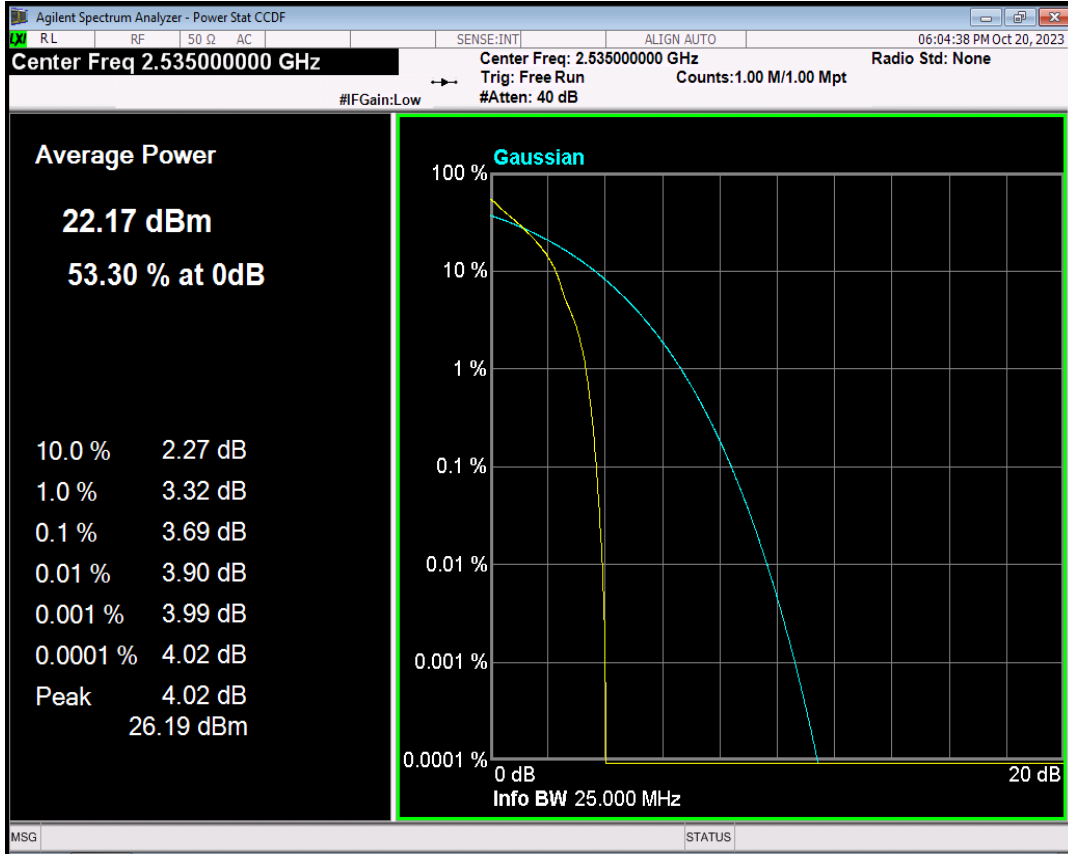
Band7 QPSK BW=15MHz Channel=20825 RB Size=1 Position=#0



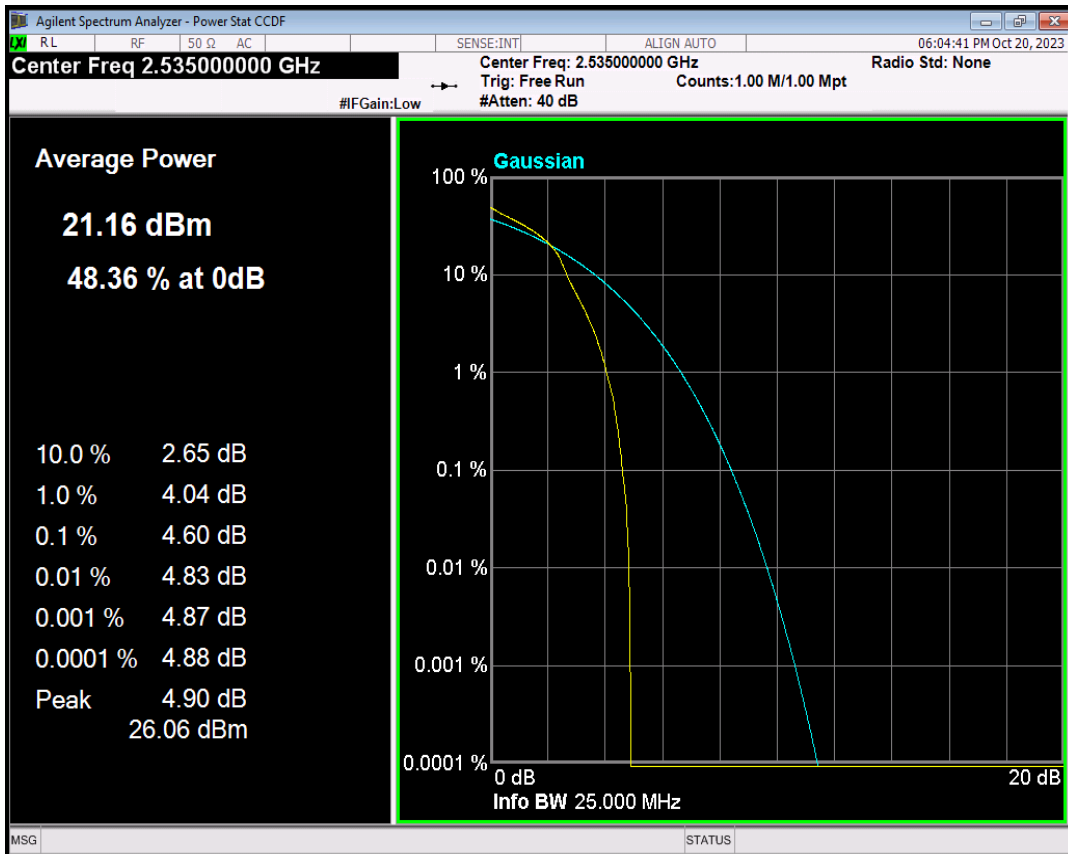
Band7 16QAM BW=15MHz Channel=20825 RB Size=1 Position=#0



Band7 QPSK BW=15MHz Channel=21100 RB Size=1 Position=#0

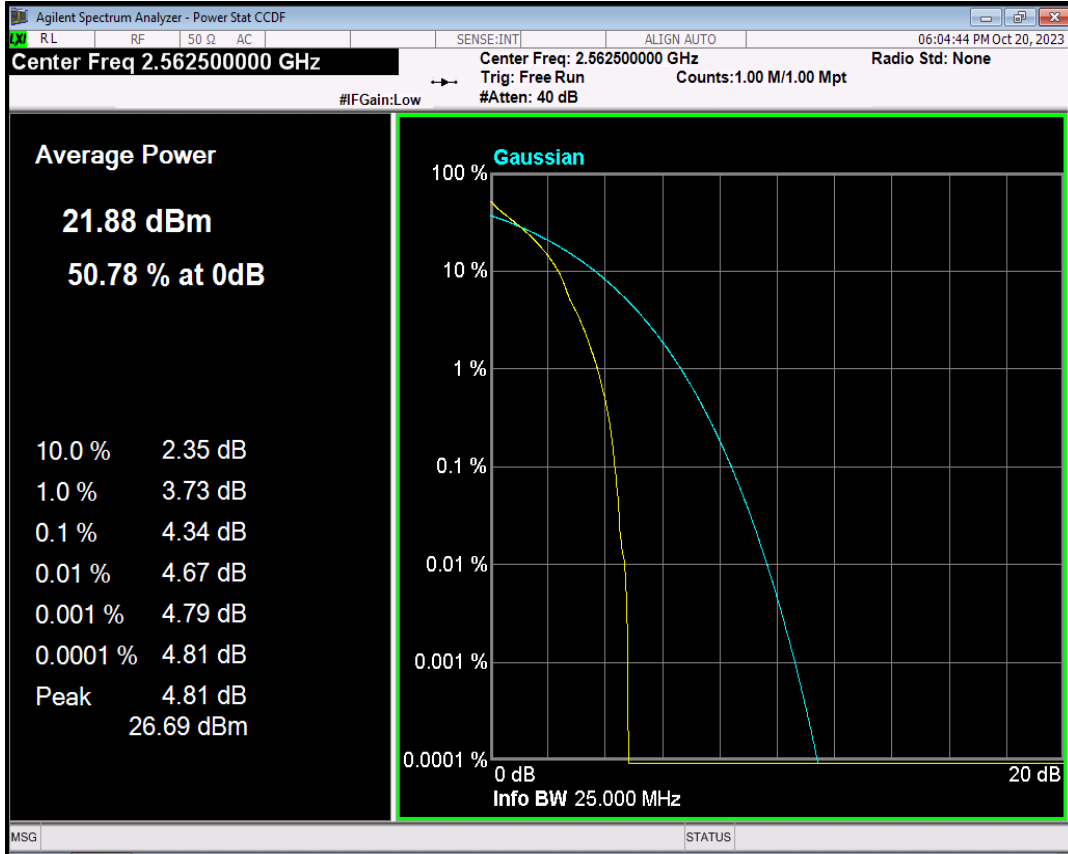


Band7 16QAM BW=15MHz Channel=21100 RB Size=1 Position=#0

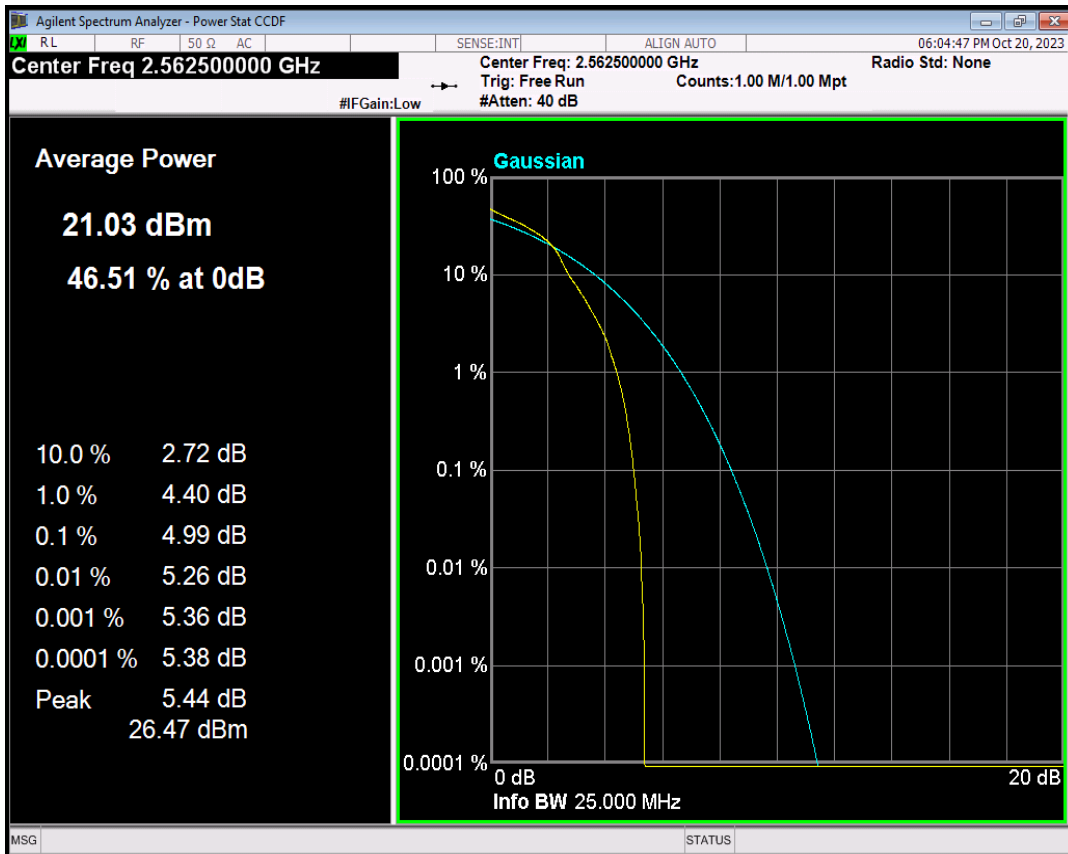


Band7 QPSK BW=15MHz Channel=21375 RB Size=1 Position=#0

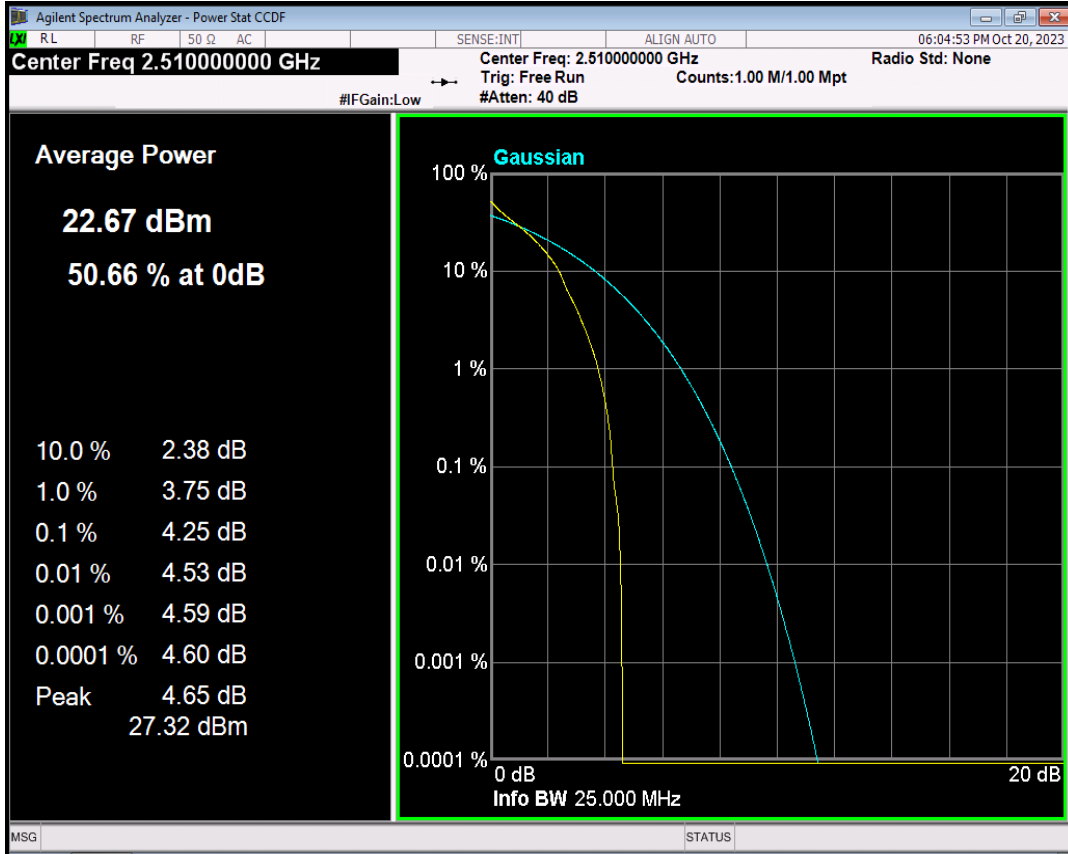




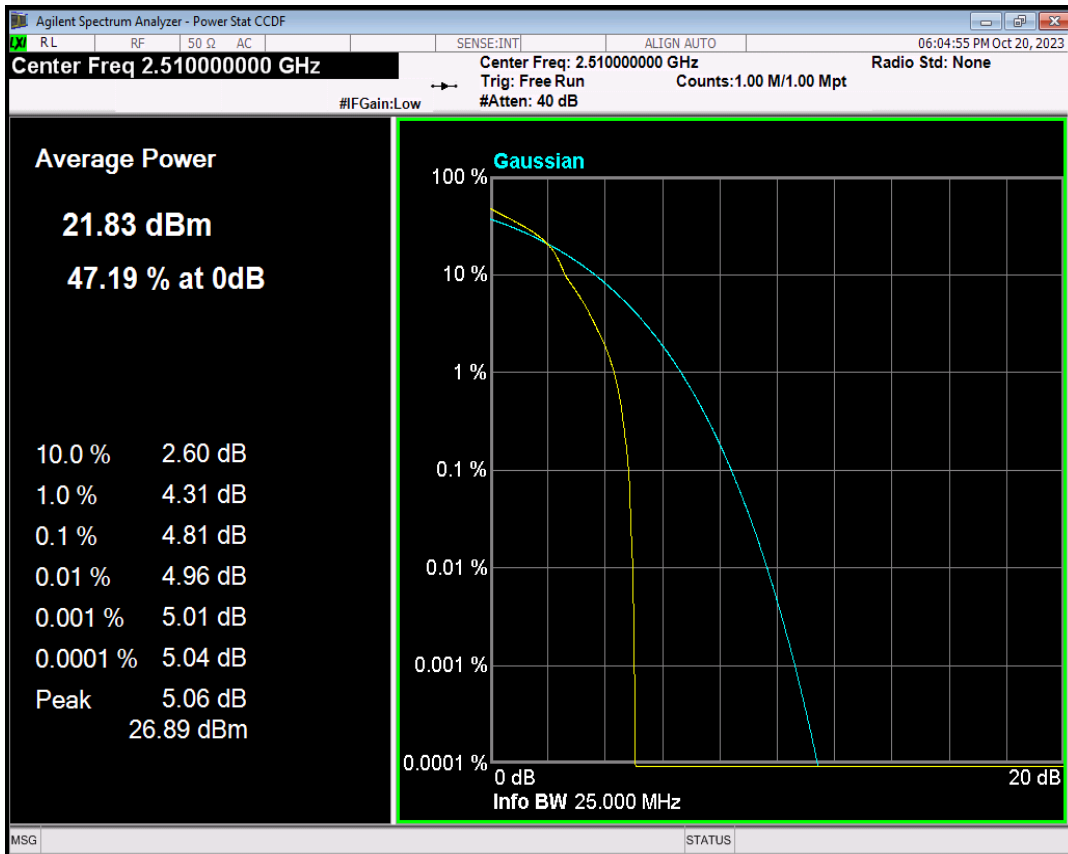
Band7 16QAM BW=15MHz Channel=21375 RB Size=1 Position=#0



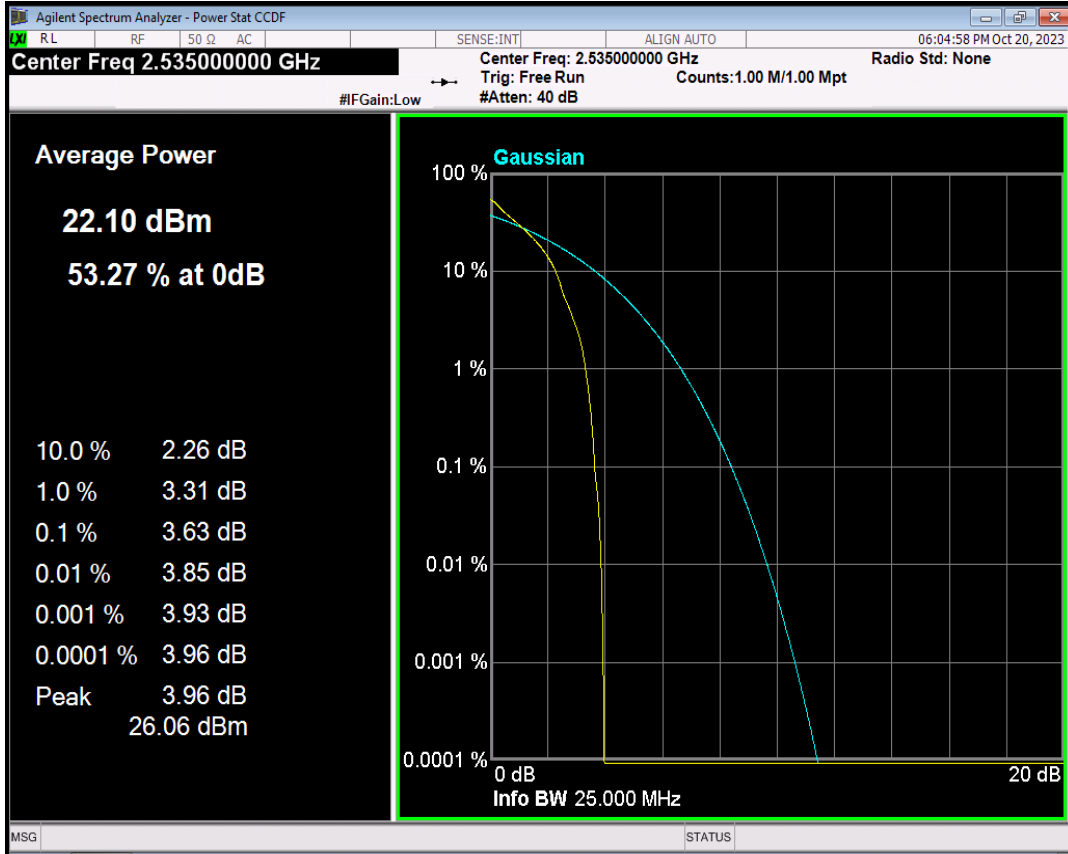
Band7 QPSK BW=20MHz Channel=20850 RB Size=1 Position=#0



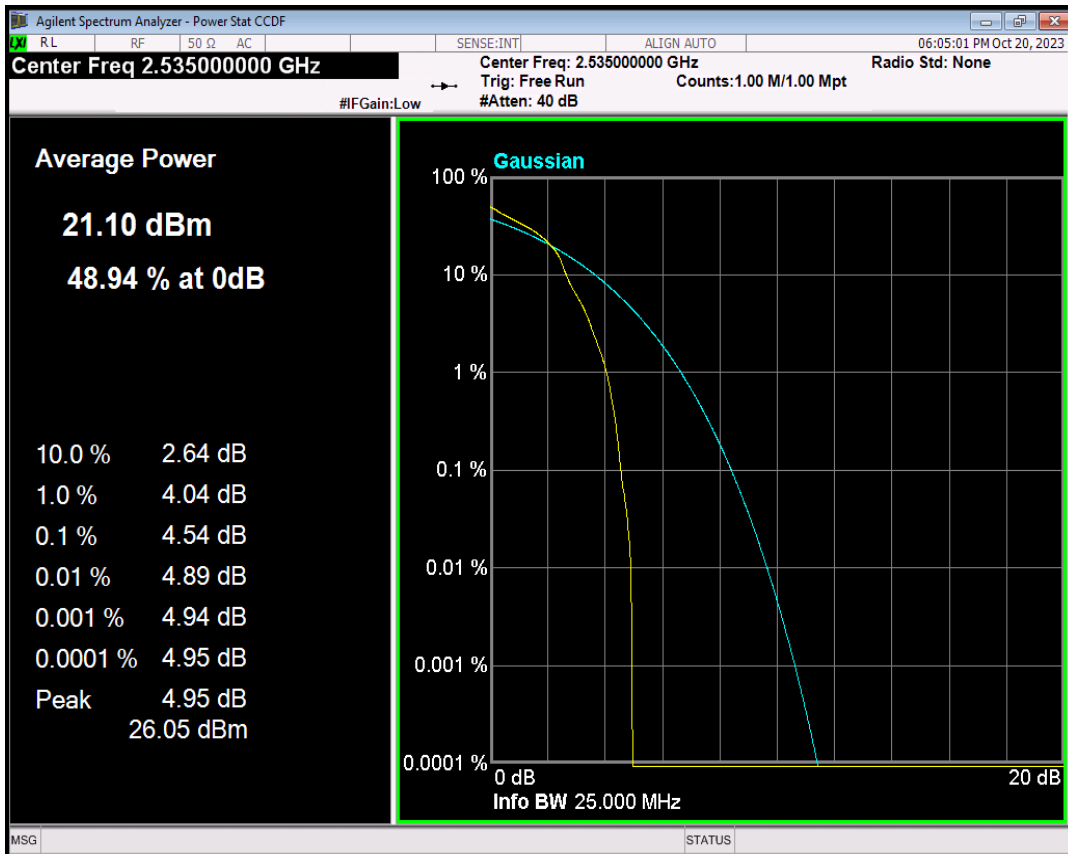
Band7 16QAM BW=20MHz Channel=20850 RB Size=1 Position=#0



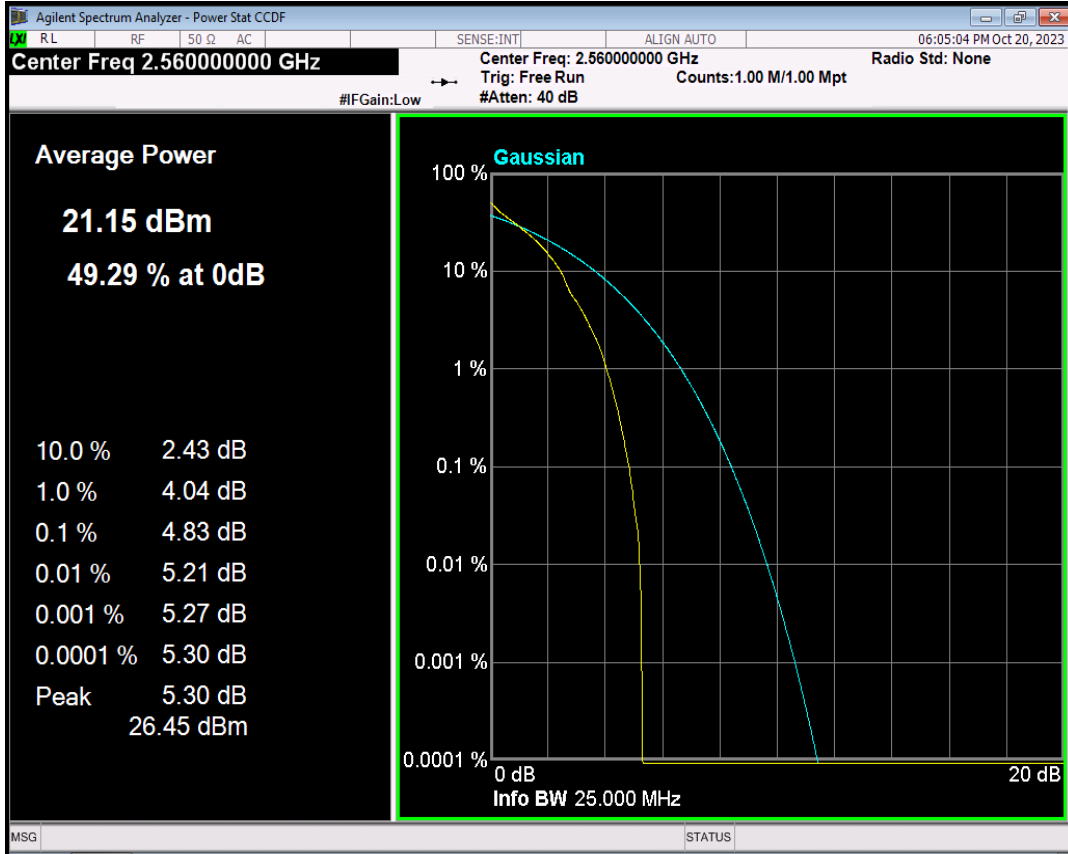
Band7 QPSK BW=20MHz Channel=21100 RB Size=1 Position=#0



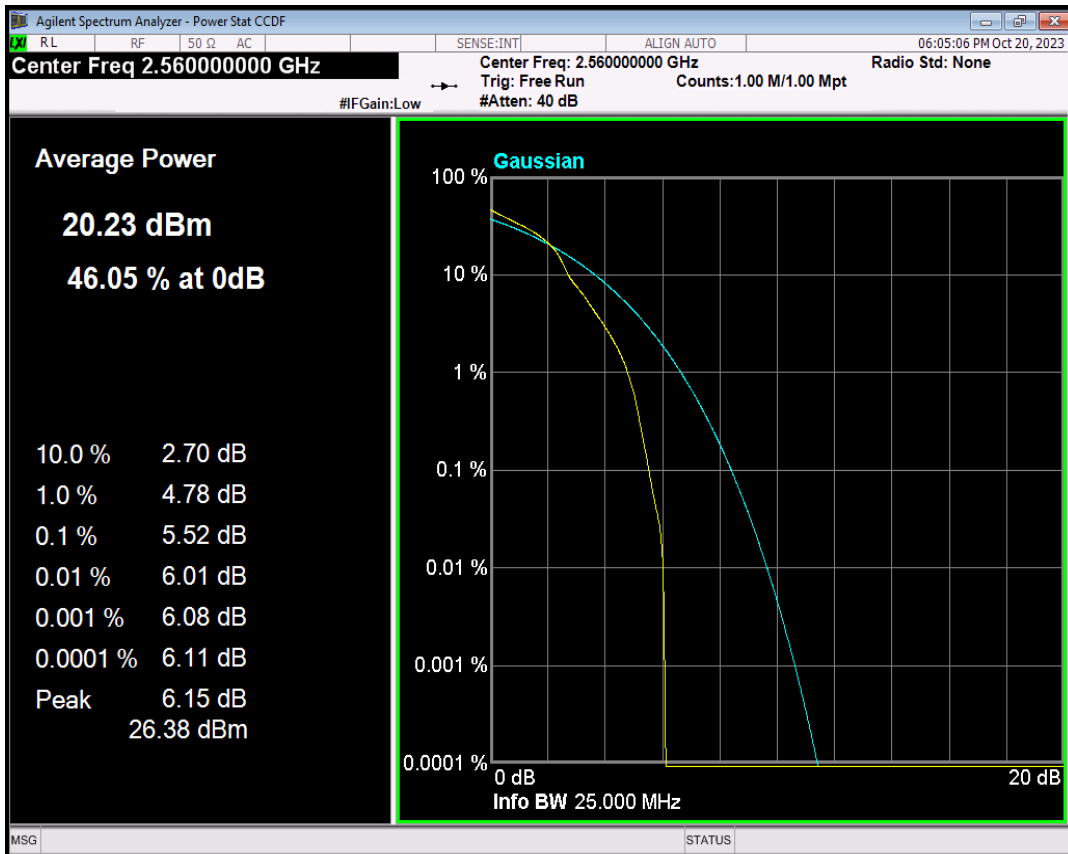
Band7 16QAM BW=20MHz Channel=21100 RB Size=1 Position=#0



Band7 QPSK BW=20MHz Channel=21350 RB Size=1 Position=#0



Band7 16QAM BW=20MHz Channel=21350 RB Size=1 Position=#0

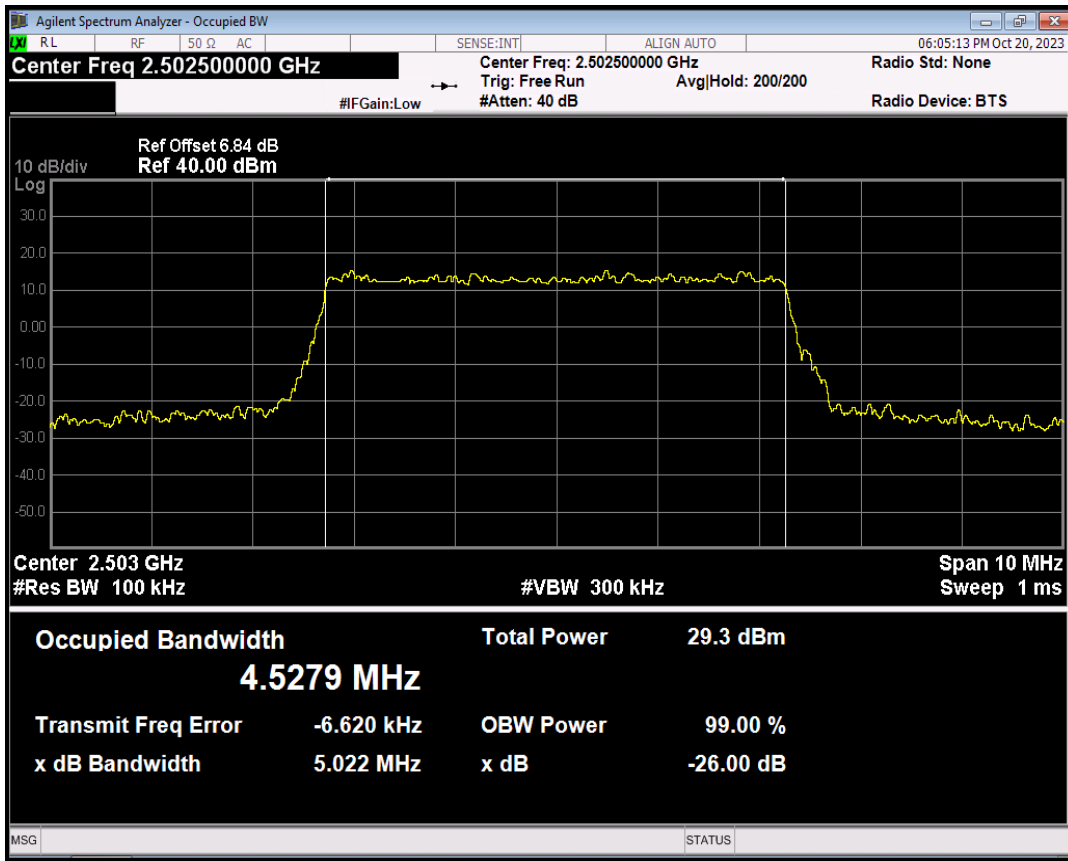


#### Appendix 4. Occupied bandwidth

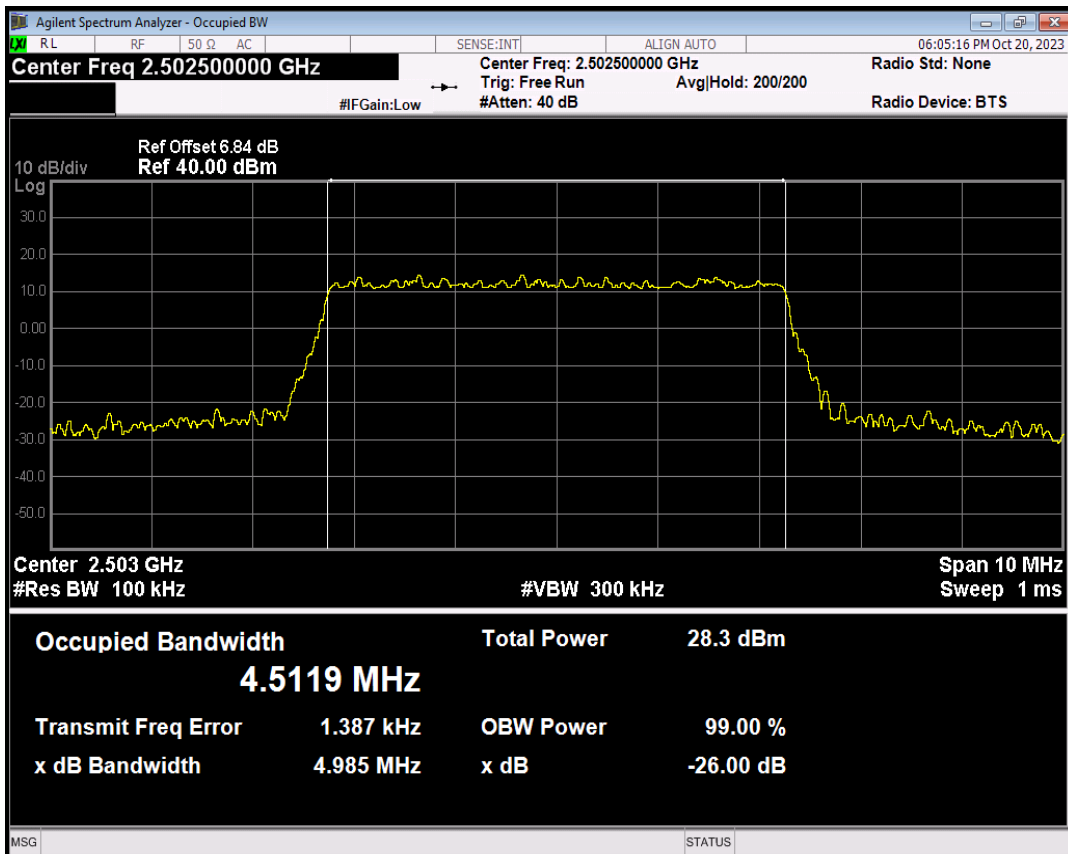
| Band  | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Size | RB<br>Position | Modulation | 99% OBW<br>(MHz) | -26dB EBW<br>(MHz) | Verdict |
|-------|--------------------|---------------|------------|----------------|------------|------------------|--------------------|---------|
| Band7 | 5                  | 20775         | 25         | #0             | QPSK       | 4.528            | 5.022              | PASS    |
| Band7 | 5                  | 20775         | 25         | #0             | 16QAM      | 4.512            | 4.985              | PASS    |
| Band7 | 5                  | 21100         | 25         | #0             | QPSK       | 4.524            | 5.023              | PASS    |
| Band7 | 5                  | 21100         | 25         | #0             | 16QAM      | 4.548            | 5.025              | PASS    |
| Band7 | 5                  | 21425         | 25         | #0             | QPSK       | 4.511            | 5.042              | PASS    |
| Band7 | 5                  | 21425         | 25         | #0             | 16QAM      | 4.532            | 5.031              | PASS    |
| Band7 | 10                 | 20800         | 50         | #0             | QPSK       | 8.971            | 9.790              | PASS    |
| Band7 | 10                 | 20800         | 50         | #0             | 16QAM      | 8.995            | 9.868              | PASS    |
| Band7 | 10                 | 21100         | 50         | #0             | QPSK       | 8.956            | 9.805              | PASS    |
| Band7 | 10                 | 21100         | 50         | #0             | 16QAM      | 8.967            | 10.030             | PASS    |
| Band7 | 10                 | 21400         | 50         | #0             | QPSK       | 9.016            | 9.818              | PASS    |
| Band7 | 10                 | 21400         | 50         | #0             | 16QAM      | 8.969            | 9.891              | PASS    |
| Band7 | 15                 | 20825         | 75         | #0             | QPSK       | 13.450           | 14.950             | PASS    |
| Band7 | 15                 | 20825         | 75         | #0             | 16QAM      | 13.497           | 14.549             | PASS    |
| Band7 | 15                 | 21100         | 75         | #0             | QPSK       | 13.445           | 14.569             | PASS    |
| Band7 | 15                 | 21100         | 75         | #0             | 16QAM      | 13.436           | 14.699             | PASS    |
| Band7 | 15                 | 21375         | 75         | #0             | QPSK       | 13.443           | 14.540             | PASS    |
| Band7 | 15                 | 21375         | 75         | #0             | 16QAM      | 13.439           | 14.609             | PASS    |
| Band7 | 20                 | 20850         | 100        | #0             | QPSK       | 18.044           | 19.404             | PASS    |
| Band7 | 20                 | 20850         | 100        | #0             | 16QAM      | 18.078           | 19.352             | PASS    |
| Band7 | 20                 | 21100         | 100        | #0             | QPSK       | 17.846           | 19.458             | PASS    |
| Band7 | 20                 | 21100         | 100        | #0             | 16QAM      | 17.893           | 19.320             | PASS    |
| Band7 | 20                 | 21350         | 100        | #0             | QPSK       | 17.901           | 19.272             | PASS    |
| Band7 | 20                 | 21350         | 100        | #0             | 16QAM      | 17.851           | 19.319             | PASS    |



Band7 QPSK BW=5MHz Channel=20775 RB Size=25 Position=#0

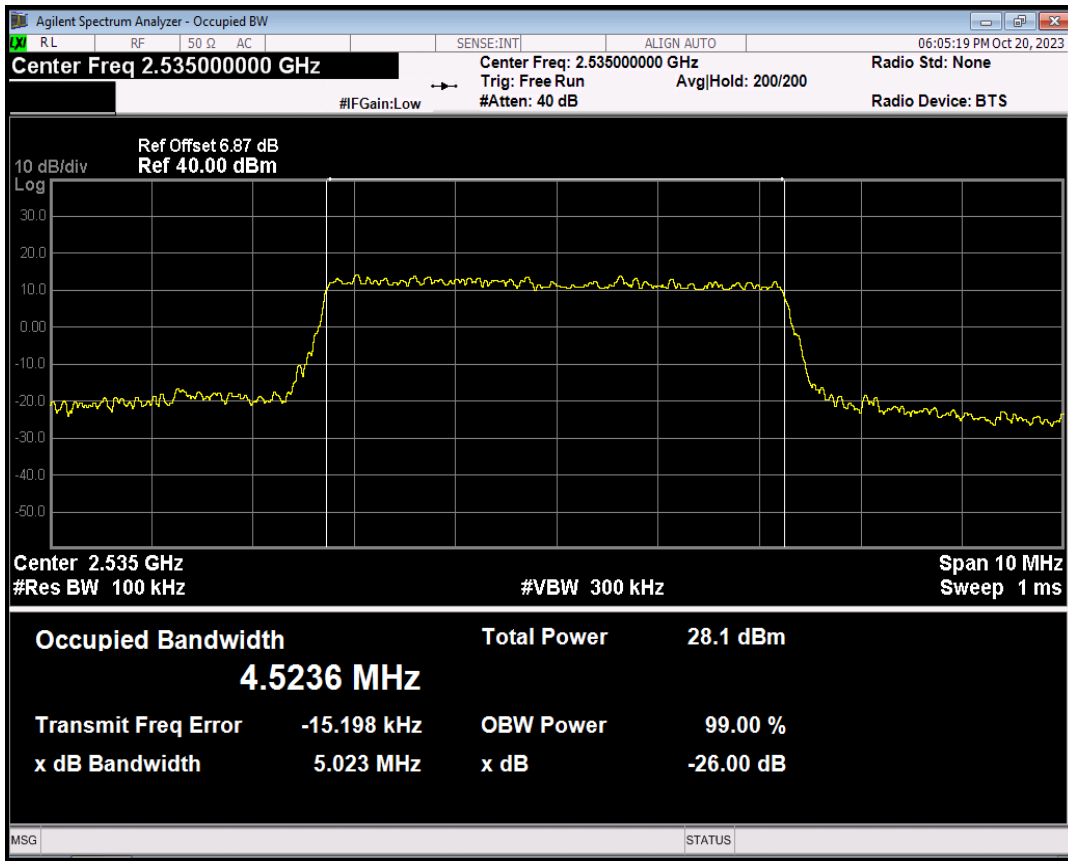


Band7 16QAM BW=5MHz Channel=20775 RB Size=25 Position=#0

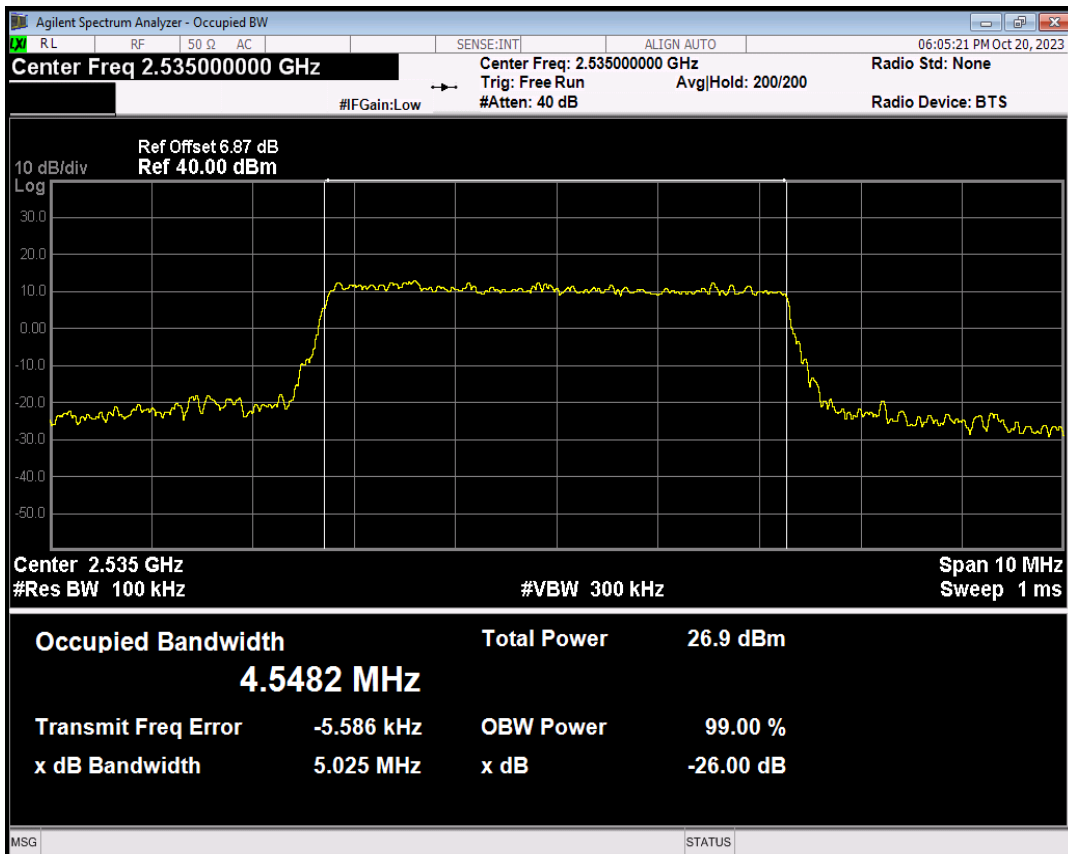




Band7 QPSK BW=5MHz Channel=21100 RB Size=25 Position=#0



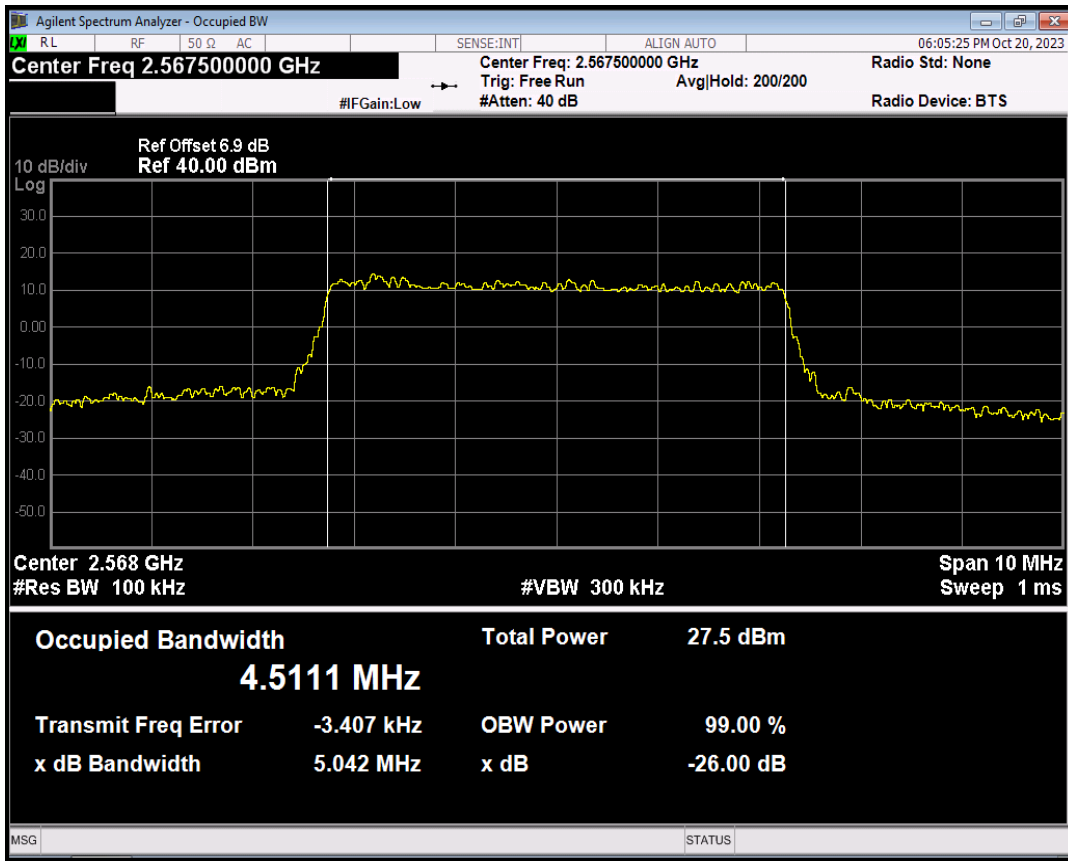
Band7 16QAM BW=5MHz Channel=21100 RB Size=25 Position=#0



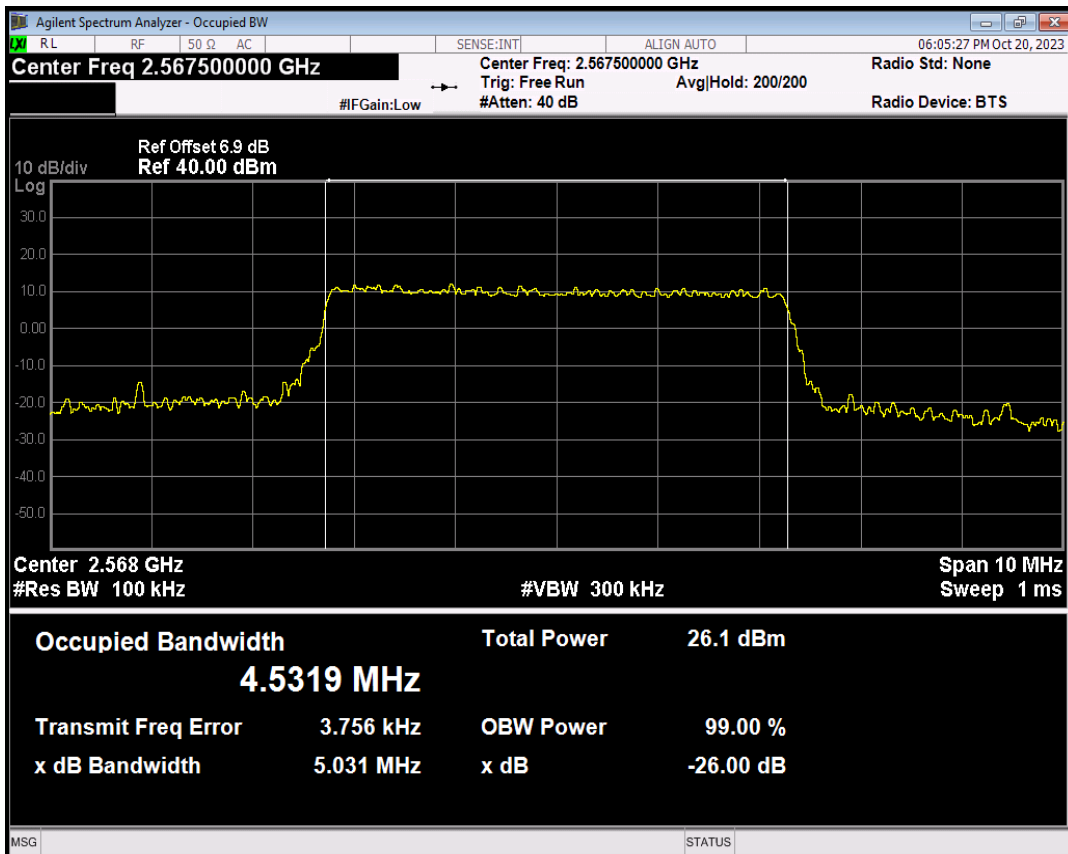




Band7 QPSK BW=5MHz Channel=21425 RB Size=25 Position=#0

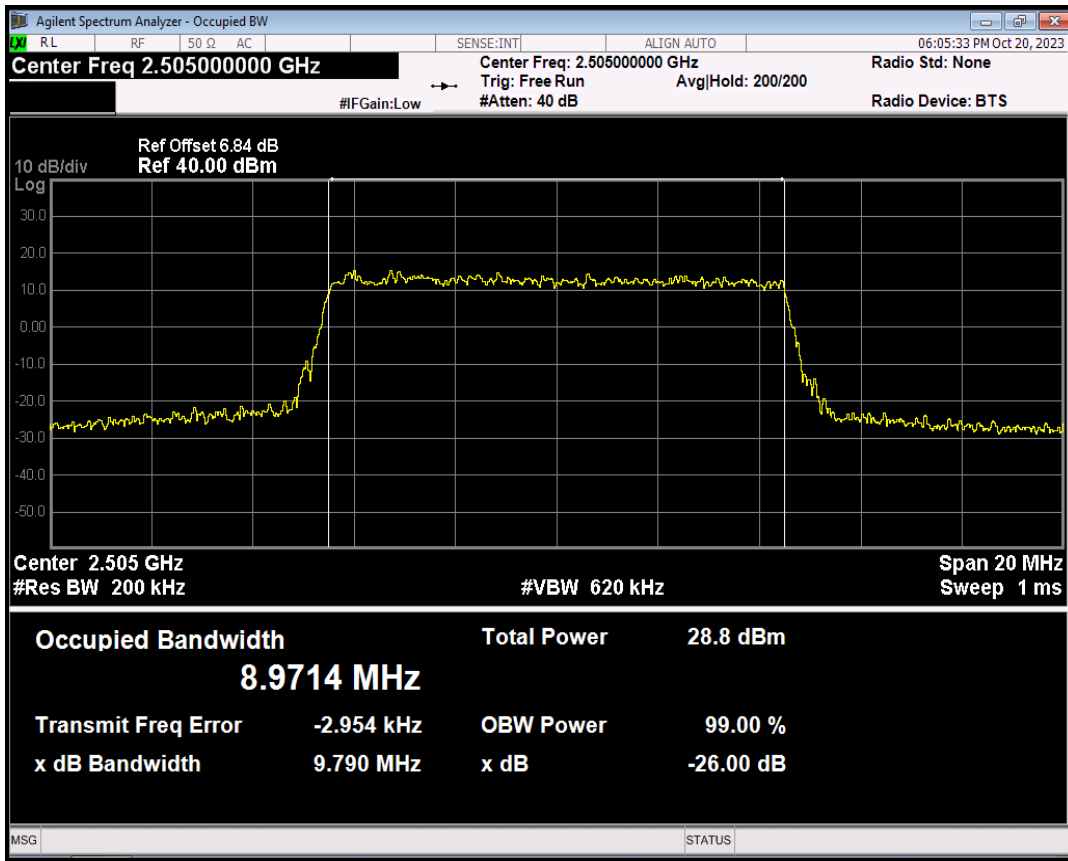


Band7 16QAM BW=5MHz Channel=21425 RB Size=25 Position=#0

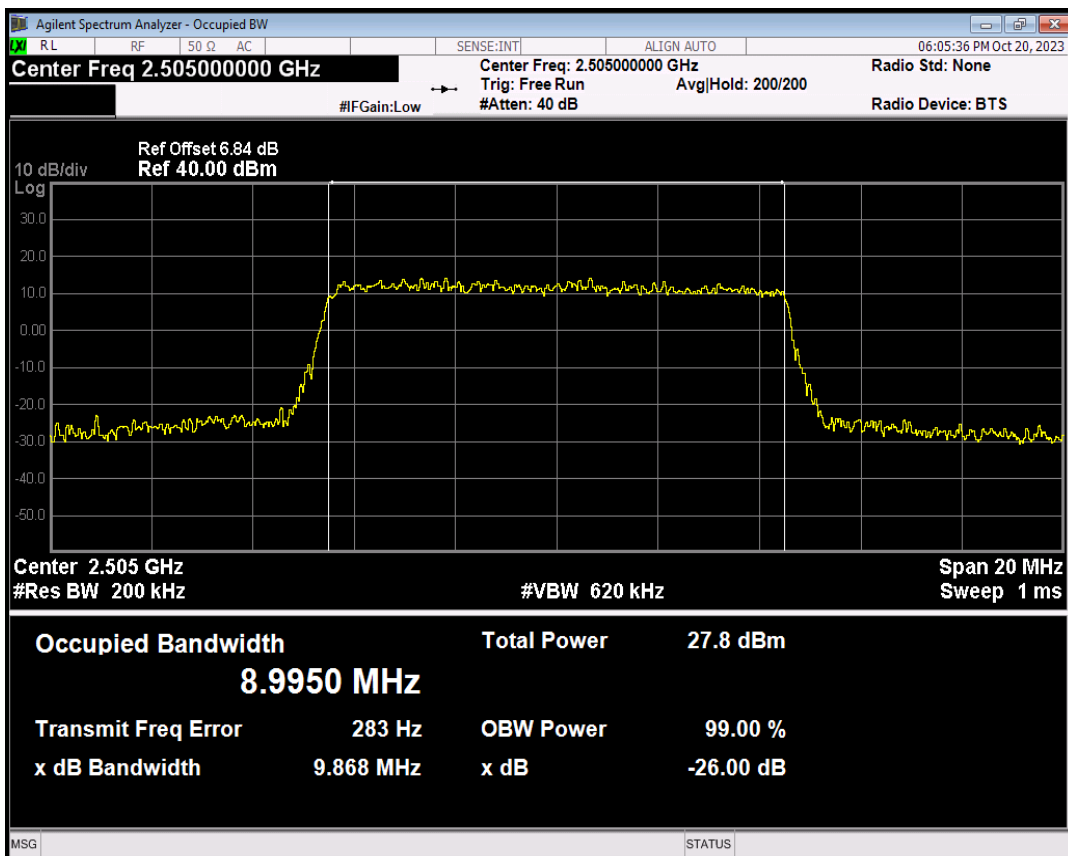




Band7 QPSK BW=10MHz Channel=20800 RB Size=50 Position=#0

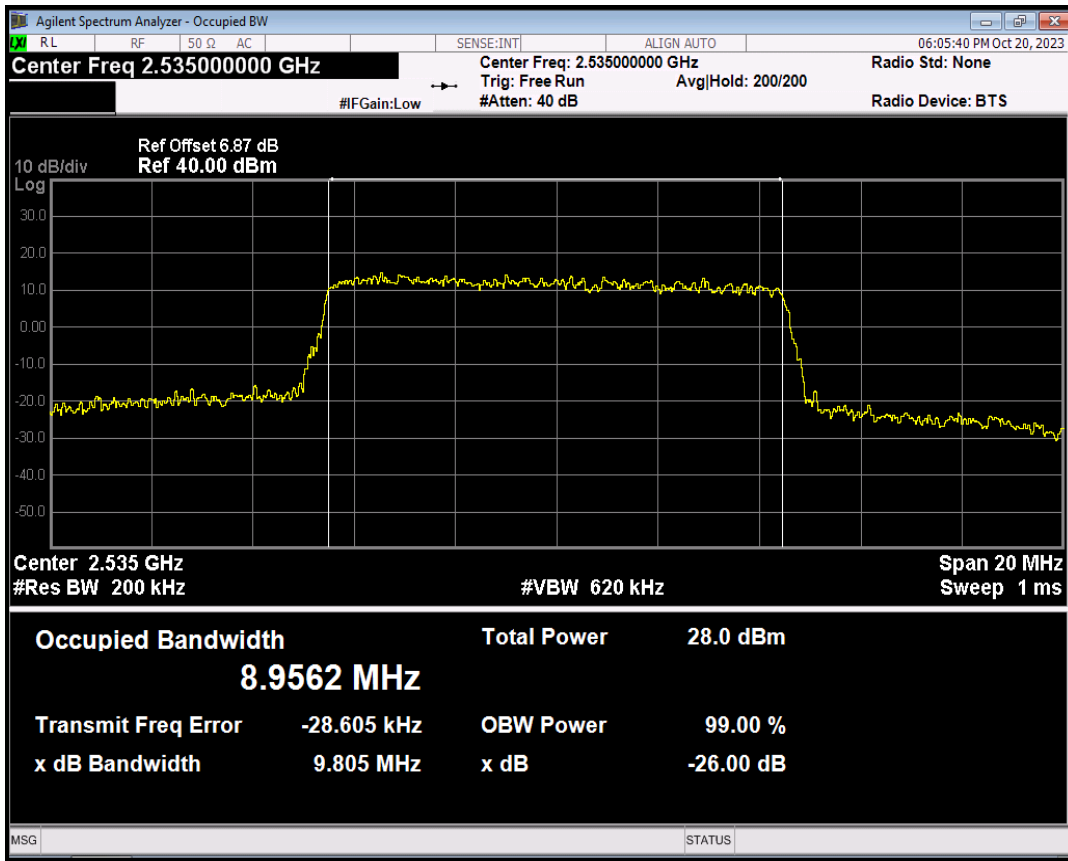


Band7 16QAM BW=10MHz Channel=20800 RB Size=50 Position=#0

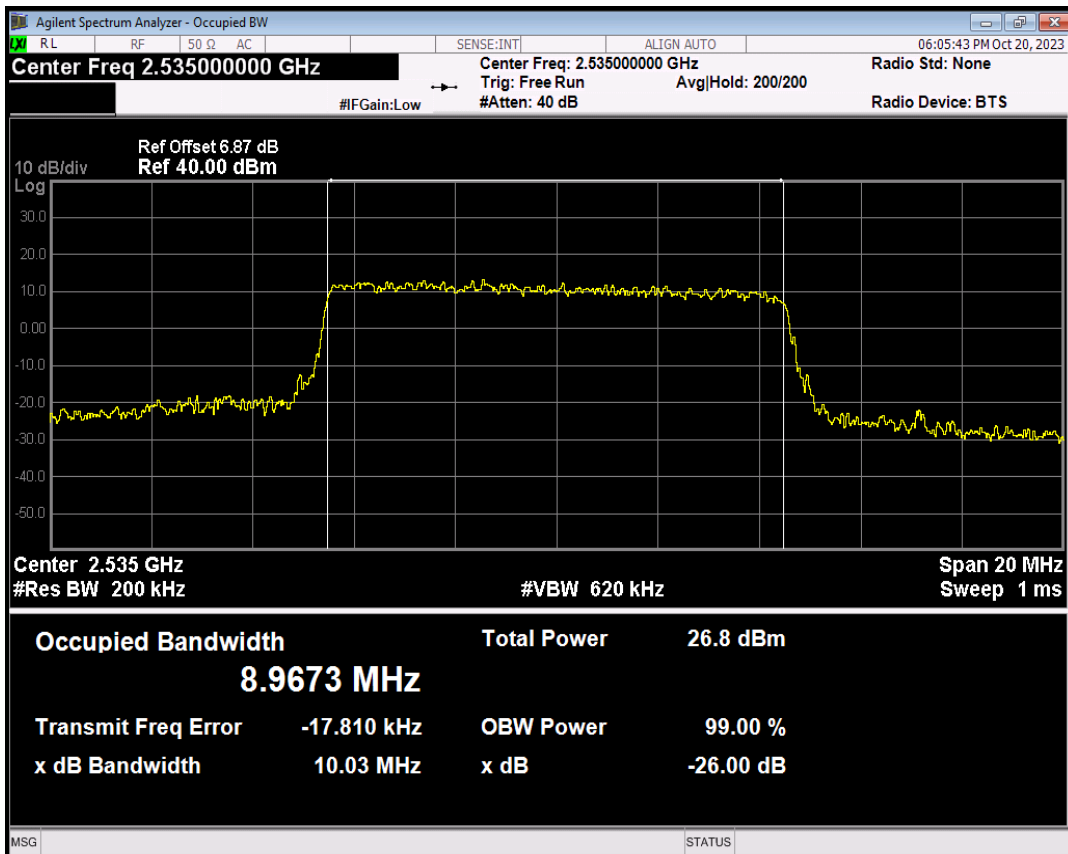




Band7 QPSK BW=10MHz Channel=21100 RB Size=50 Position=#0

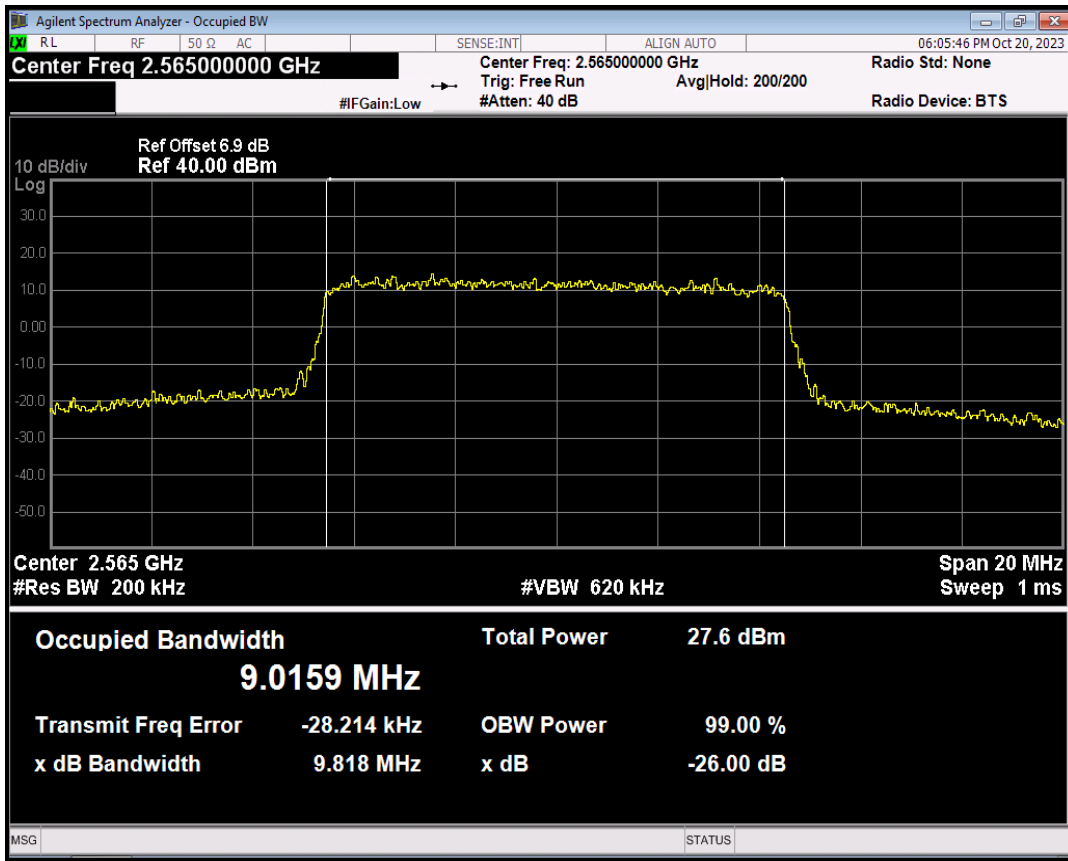


Band7 16QAM BW=10MHz Channel=21100 RB Size=50 Position=#0

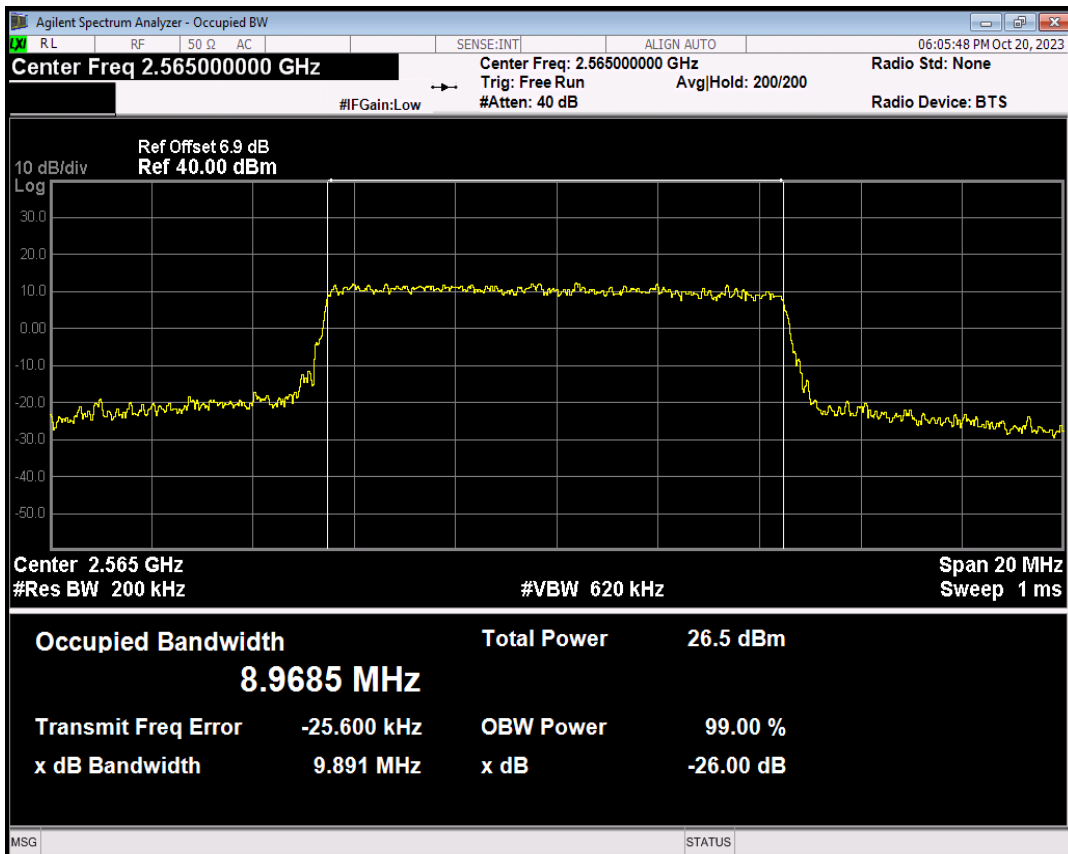




Band7 QPSK BW=10MHz Channel=21400 RB Size=50 Position=#0

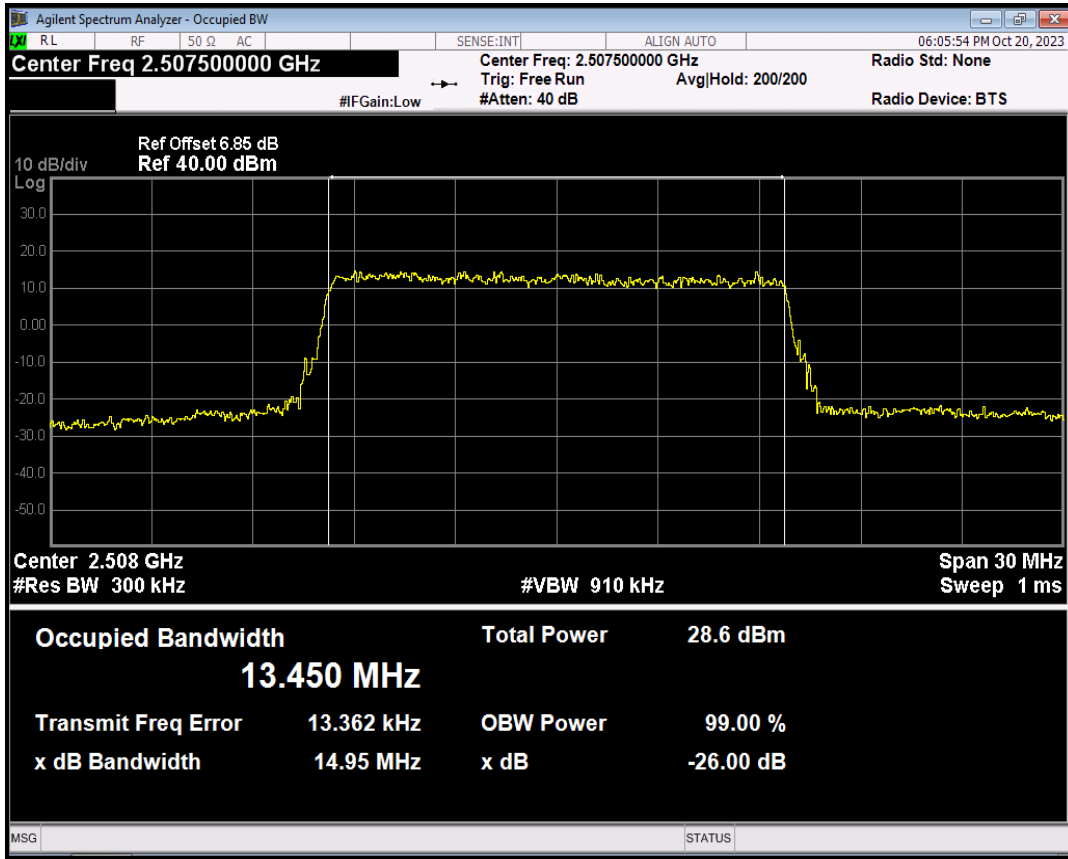


Band7 16QAM BW=10MHz Channel=21400 RB Size=50 Position=#0

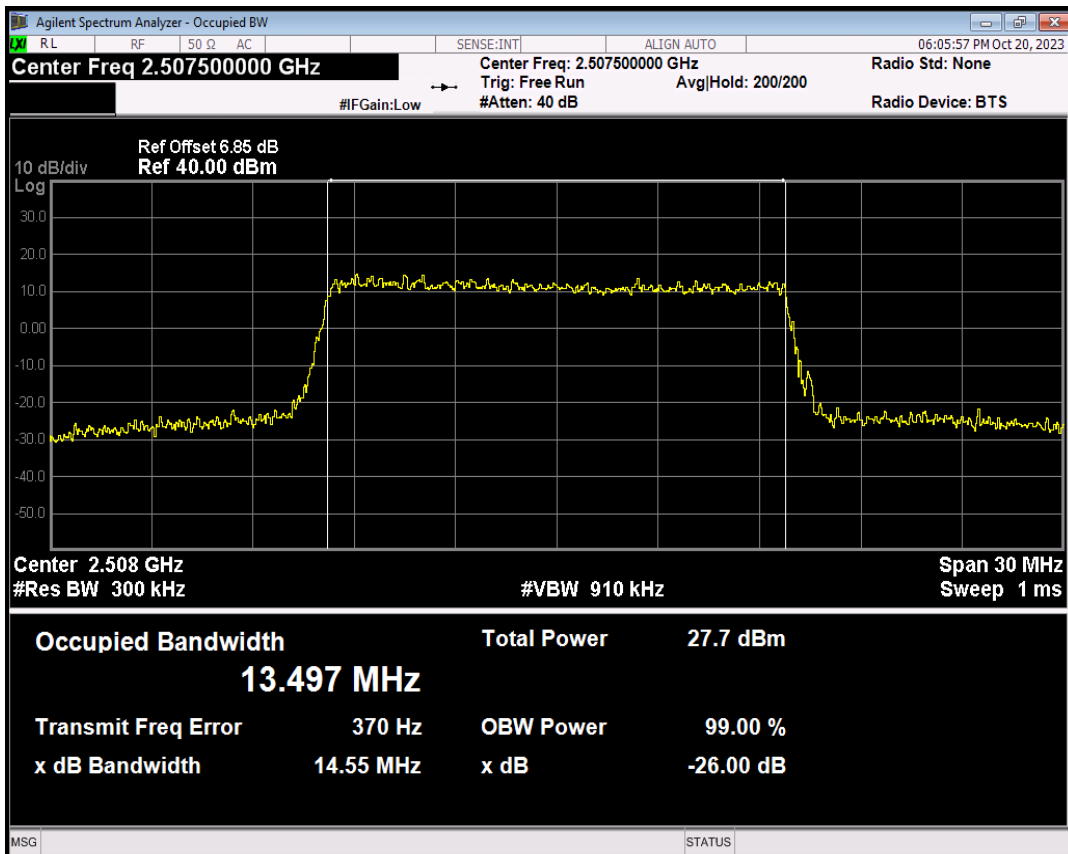




Band7 QPSK BW=15MHz Channel=20825 RB Size=75 Position=#0

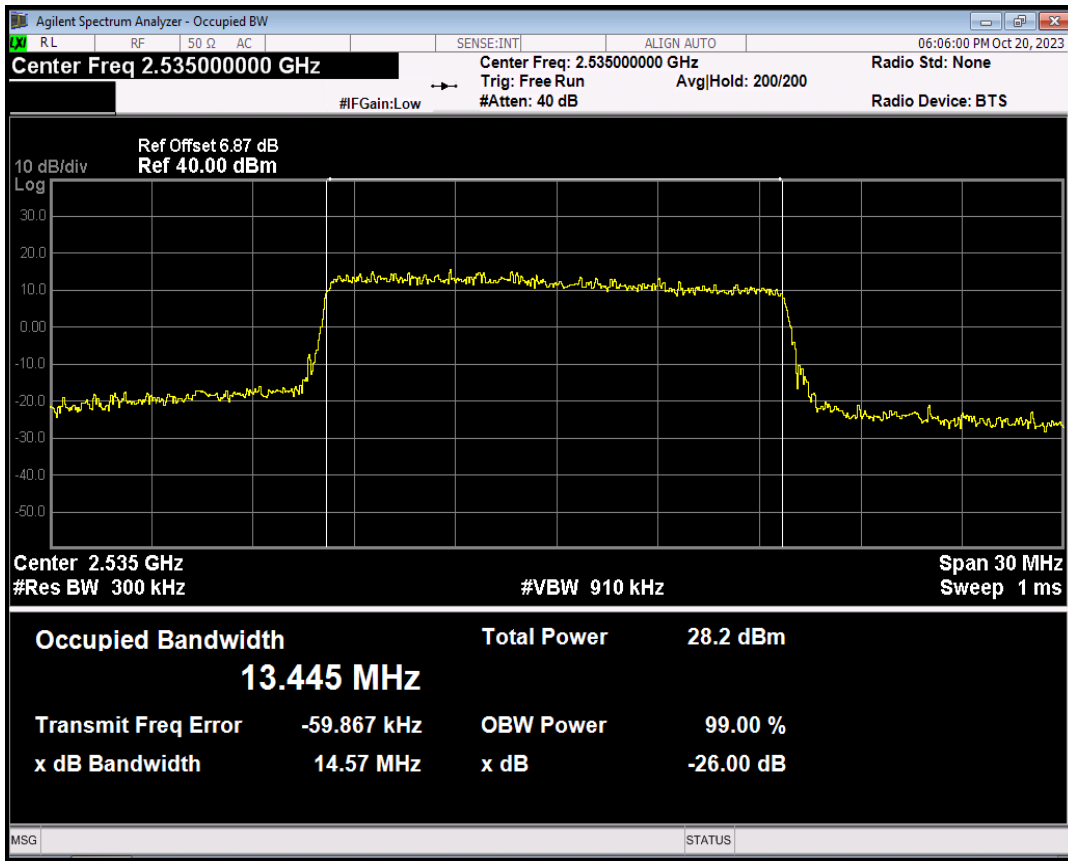


Band7 16QAM BW=15MHz Channel=20825 RB Size=75 Position=#0

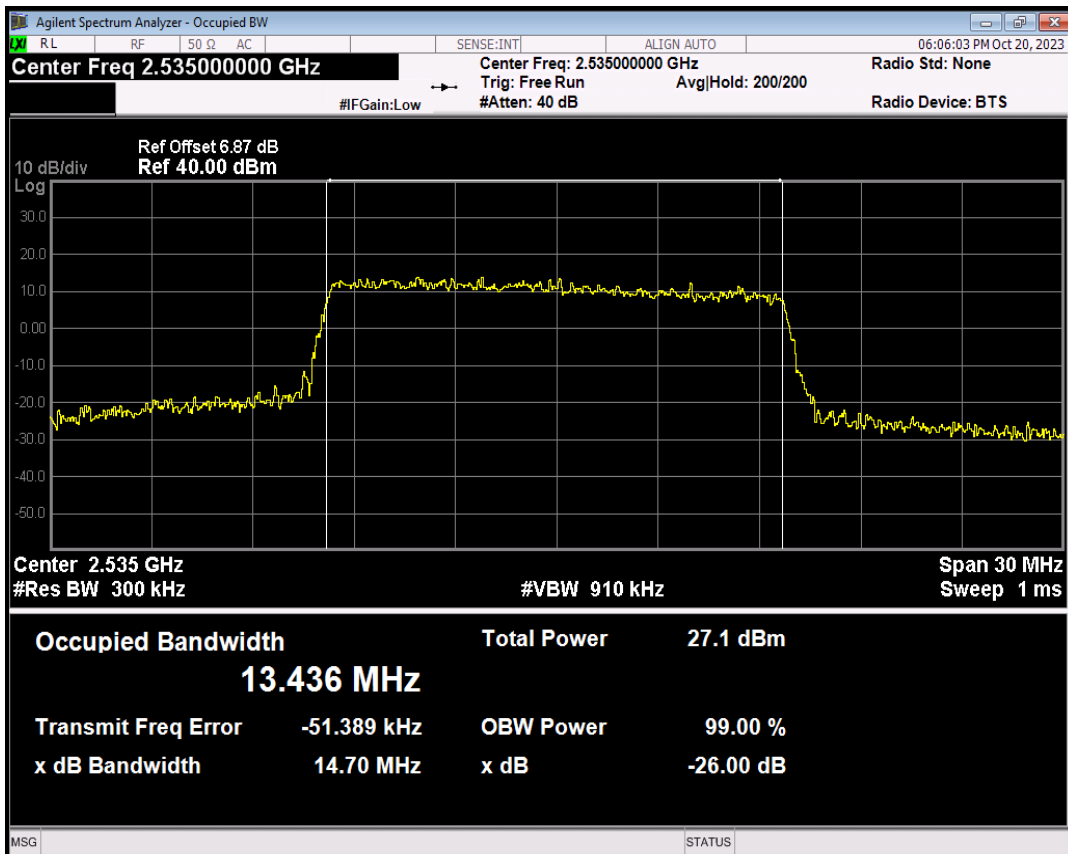




Band7 QPSK BW=15MHz Channel=21100 RB Size=75 Position=#0

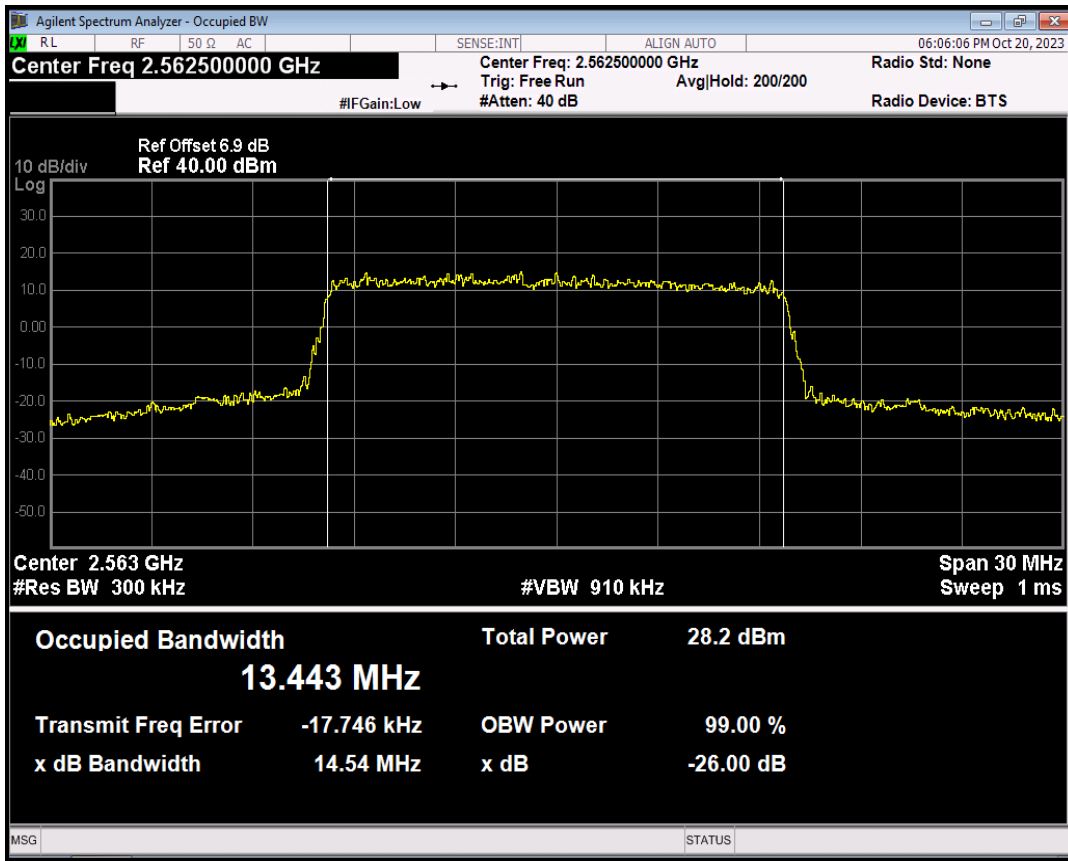


Band7 16QAM BW=15MHz Channel=21100 RB Size=75 Position=#0

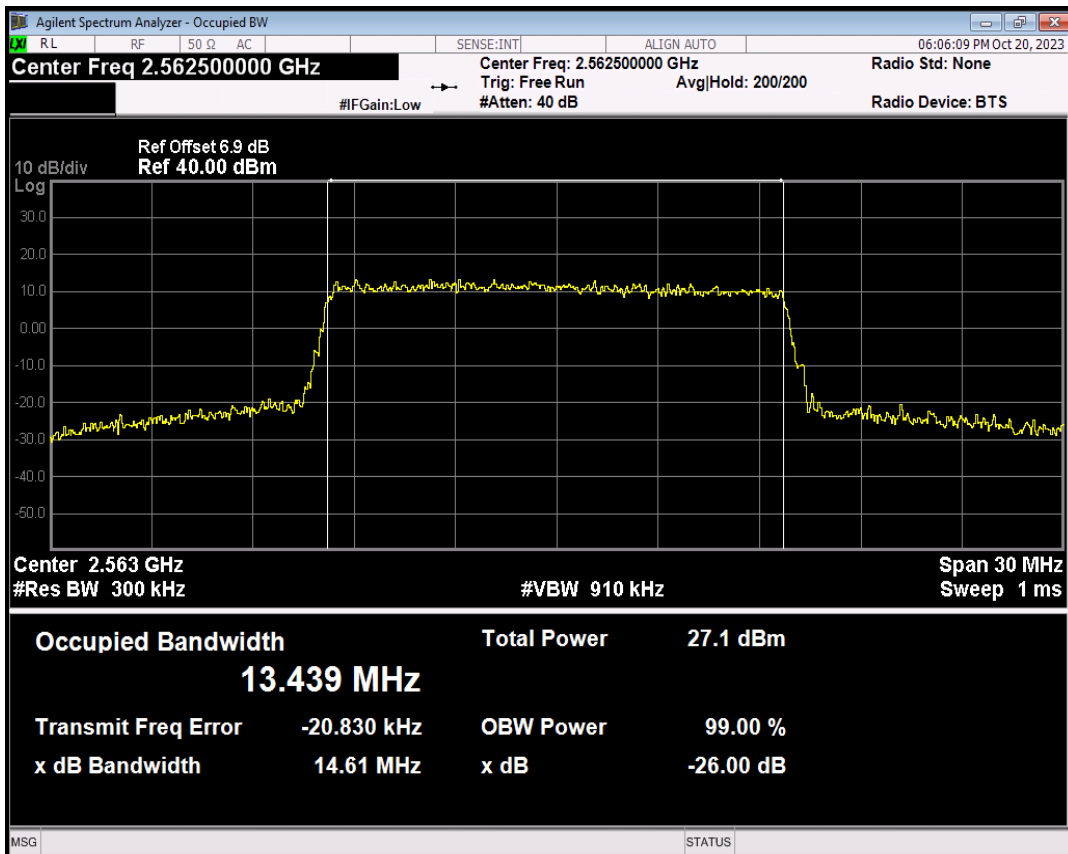




Band7 QPSK BW=15MHz Channel=21375 RB Size=75 Position=#0



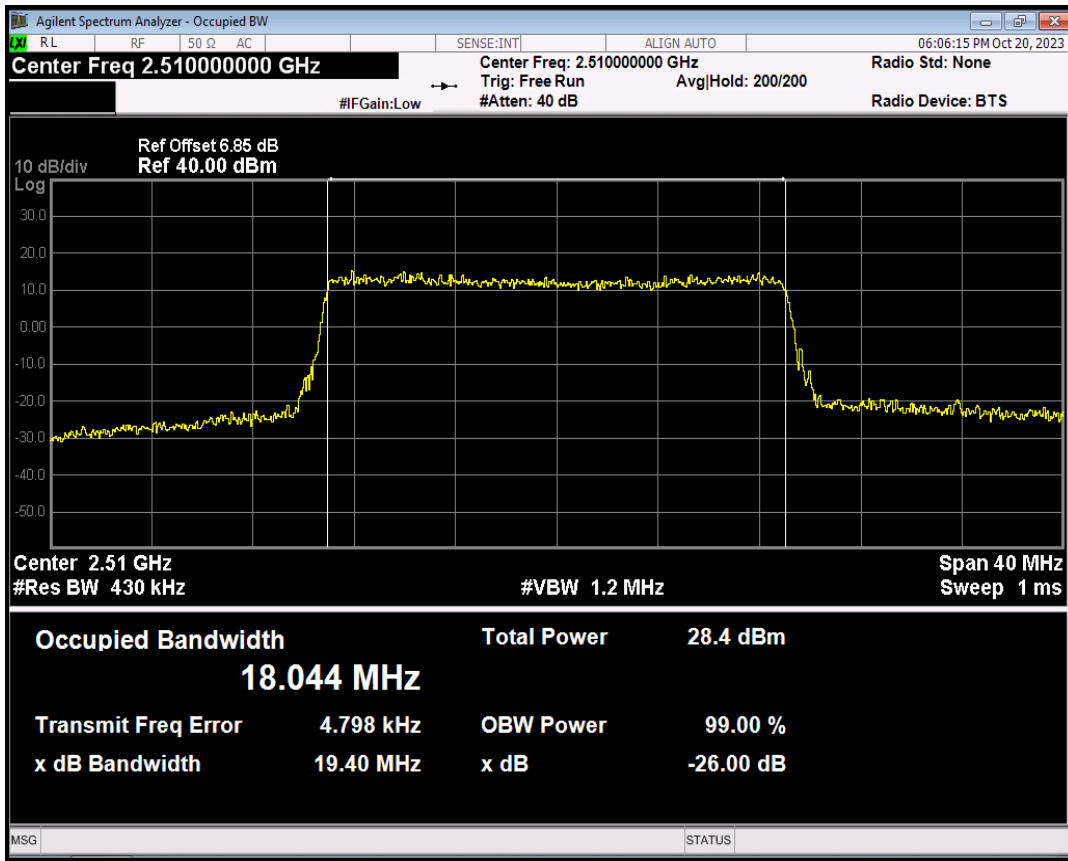
Band7 16QAM BW=15MHz Channel=21375 RB Size=75 Position=#0



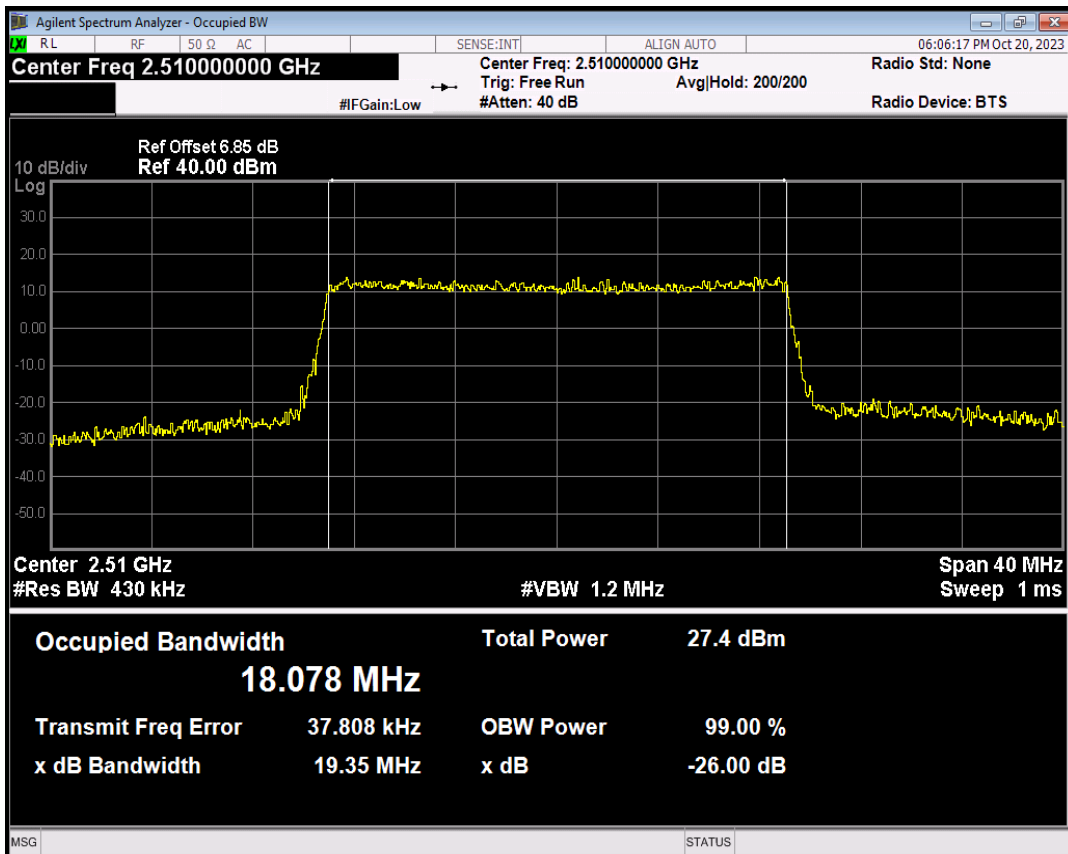




Band7 QPSK BW=20MHz Channel=20850 RB Size=100 Position=#0

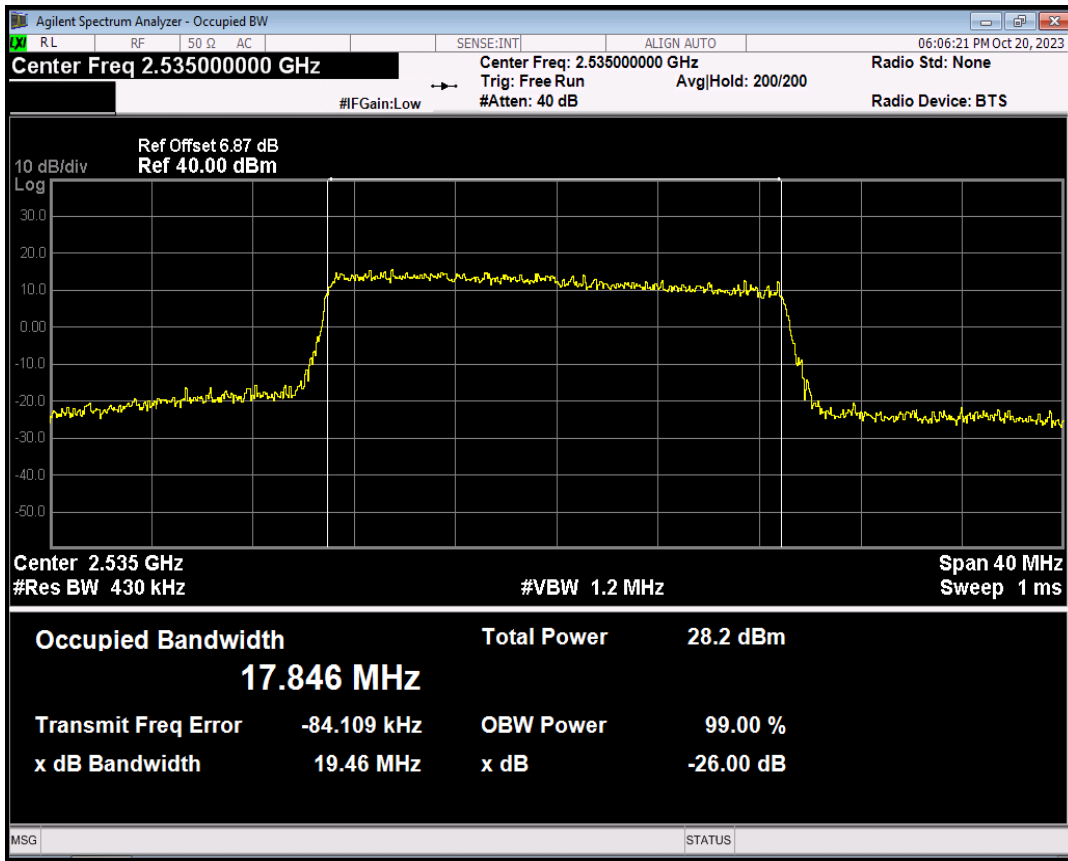


Band7 16QAM BW=20MHz Channel=20850 RB Size=100 Position=#0

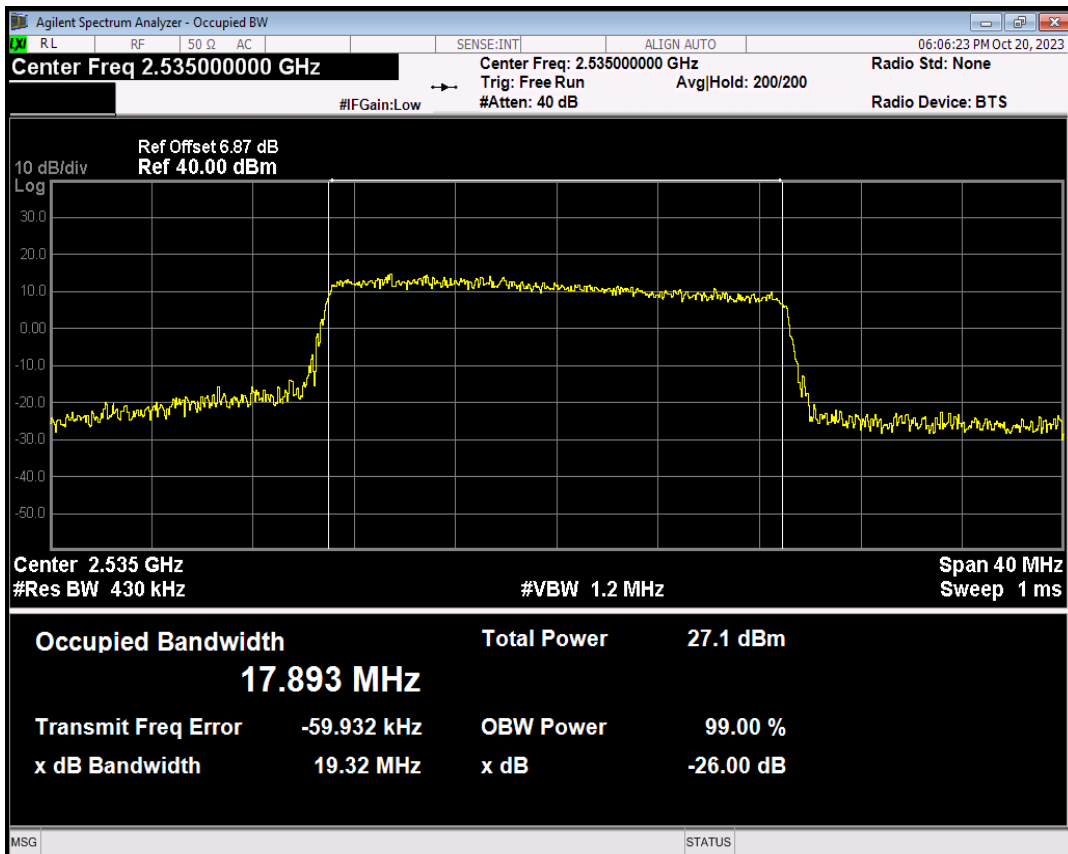




Band7 QPSK BW=20MHz Channel=21100 RB Size=100 Position=#0

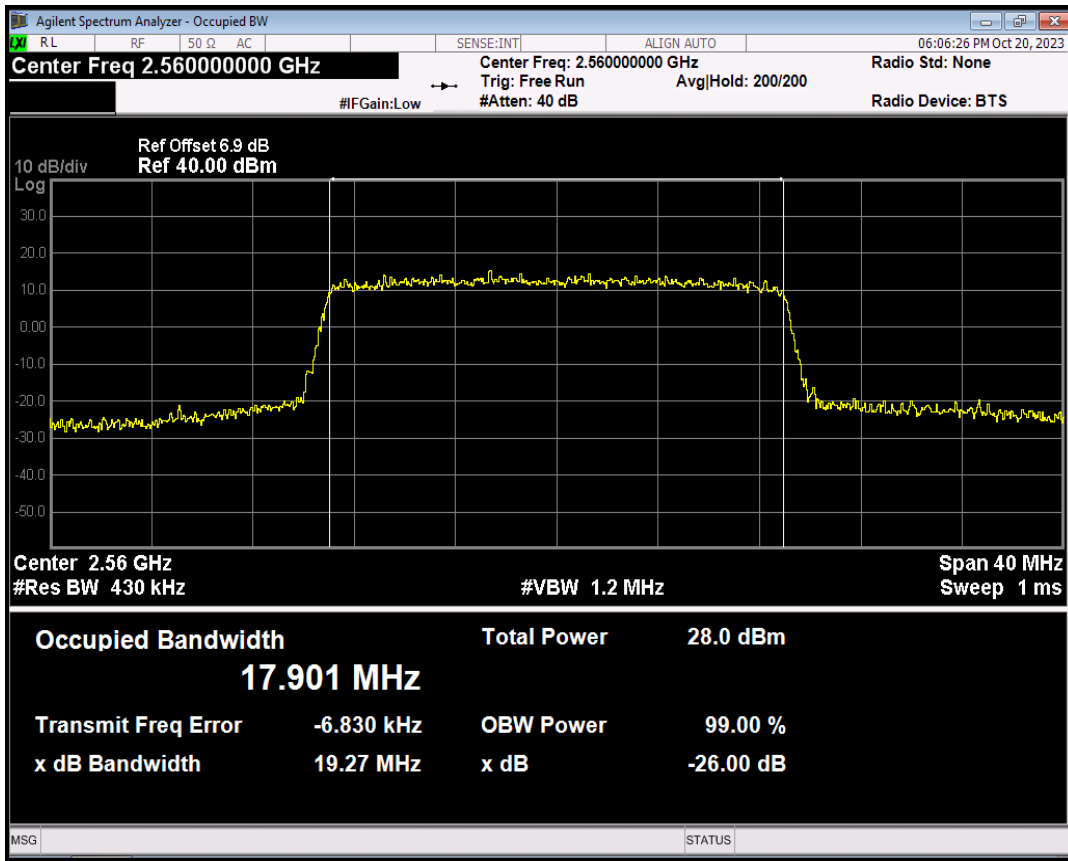


Band7 16QAM BW=20MHz Channel=21100 RB Size=100 Position=#0

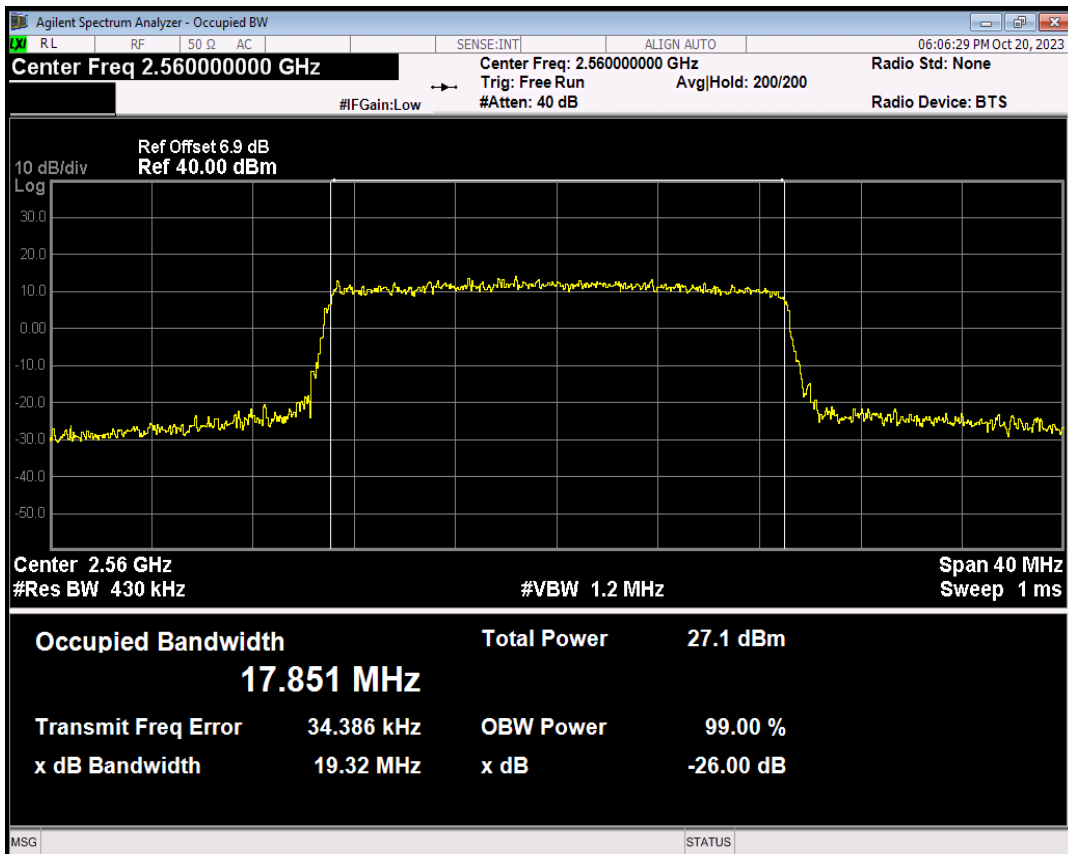




Band7 QPSK BW=20MHz Channel=21350 RB Size=100 Position=#0

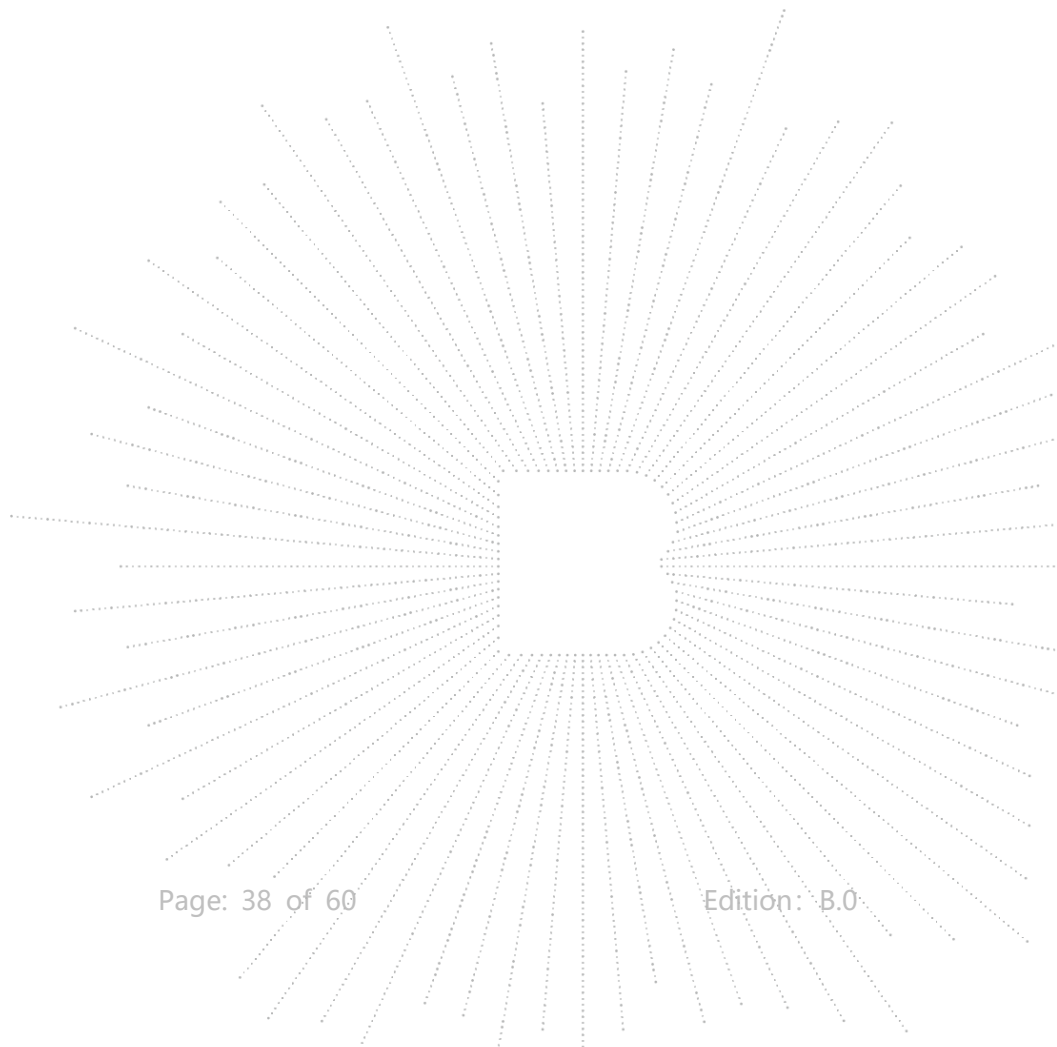


Band7 16QAM BW=20MHz Channel=21350 RB Size=100 Position=#0

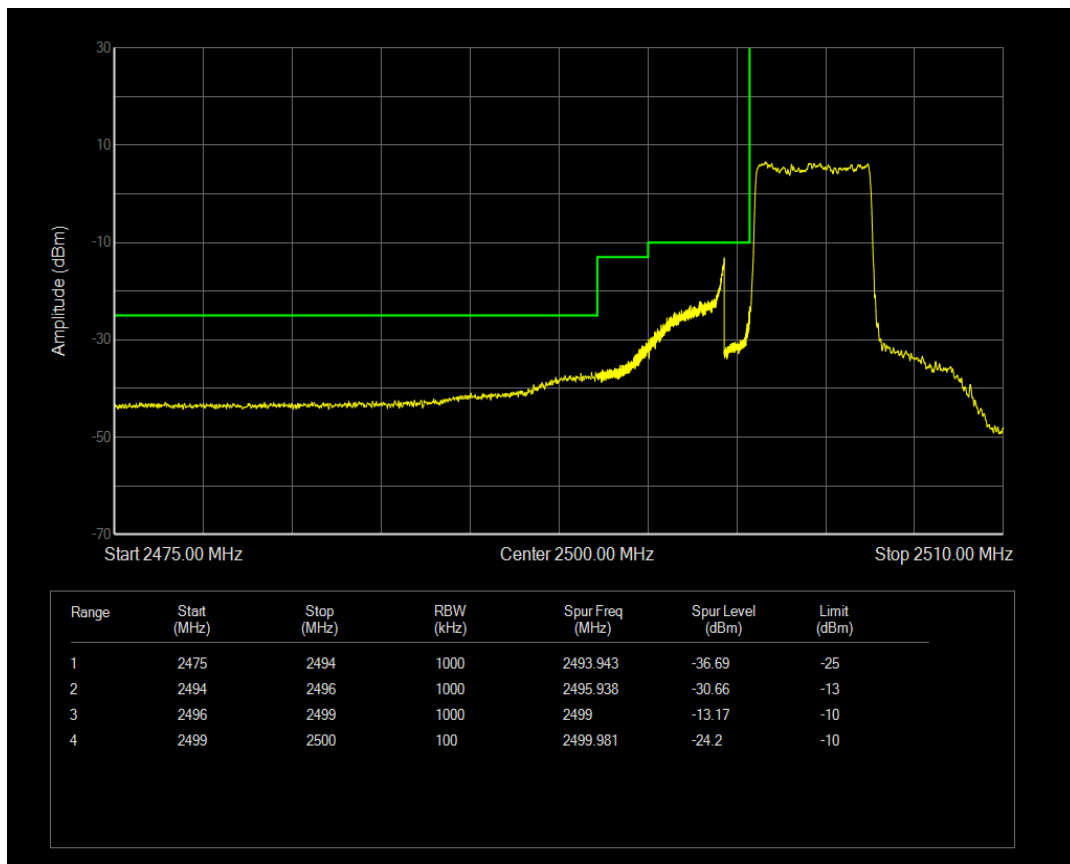


## Appendix 5. Band edge

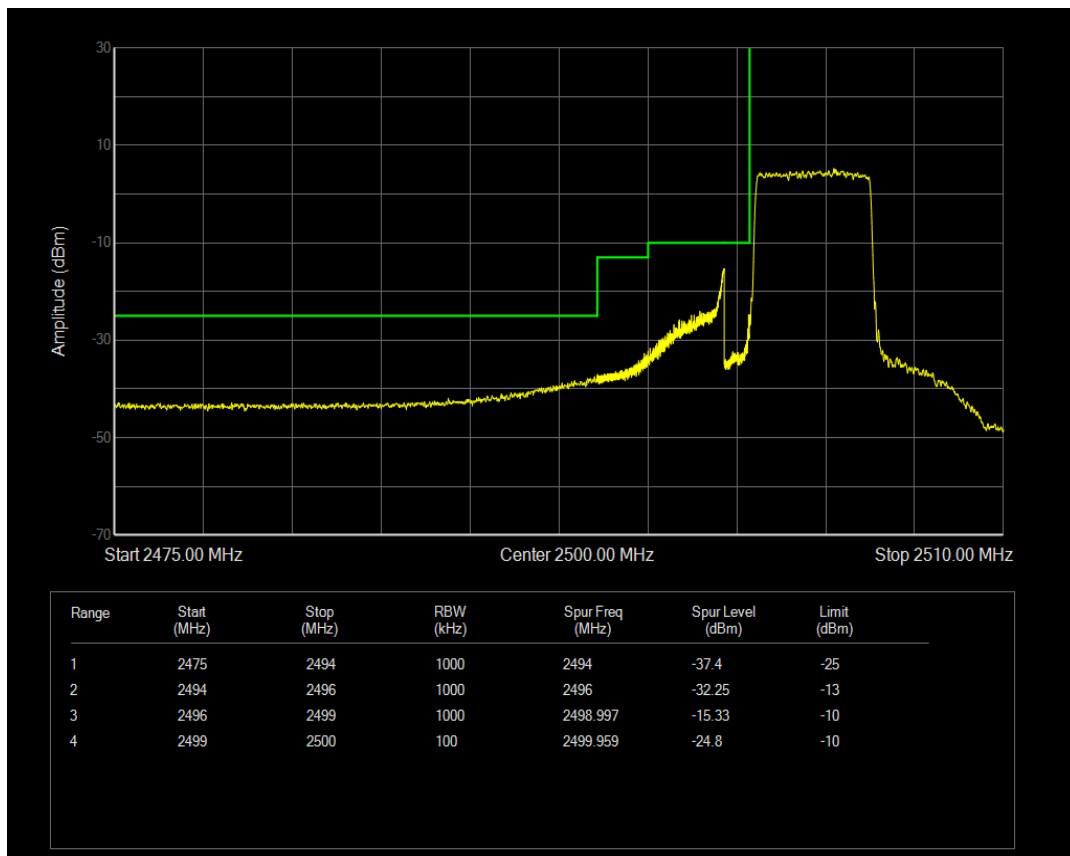
| Band  | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Size | RB<br>Position | Modulation | Spur Freq<br>(MHz) | Spur Level<br>(dBm) | Limit<br>(dBm) | Verdict |
|-------|--------------------|---------------|------------|----------------|------------|--------------------|---------------------|----------------|---------|
| Band7 | 5                  | 20775         | 25         | #0             | QPSK       | 2499.00            | -13.17              | -10            | PASS    |
| Band7 | 5                  | 20775         | 25         | #0             | 16QAM      | 2499.00            | -15.33              | -10            | PASS    |
| Band7 | 5                  | 21425         | 25         | #0             | QPSK       | 2571.01            | -15.28              | -10            | PASS    |
| Band7 | 5                  | 21425         | 25         | #0             | 16QAM      | 2571.02            | -17.13              | -10            | PASS    |
| Band7 | 10                 | 20800         | 50         | #0             | QPSK       | 2498.99            | -22.87              | -10            | PASS    |
| Band7 | 10                 | 20800         | 50         | #0             | 16QAM      | 2498.99            | -23.66              | -10            | PASS    |
| Band7 | 10                 | 21400         | 50         | #0             | QPSK       | 2571.00            | -22.13              | -10            | PASS    |
| Band7 | 10                 | 21400         | 50         | #0             | 16QAM      | 2571.08            | -23.53              | -10            | PASS    |
| Band7 | 15                 | 20825         | 75         | #0             | QPSK       | 2495.85            | -27.69              | -13            | PASS    |
| Band7 | 15                 | 20825         | 75         | #0             | 16QAM      | 2484.73            | -41.11              | -25            | PASS    |
| Band7 | 15                 | 21375         | 75         | #0             | QPSK       | 2571.33            | -21.61              | -10            | PASS    |
| Band7 | 15                 | 21375         | 75         | #0             | 16QAM      | 2575.11            | -28.11              | -13            | PASS    |
| Band7 | 20                 | 20850         | 100        | #0             | QPSK       | 2479.20            | -42.33              | -25            | PASS    |
| Band7 | 20                 | 20850         | 100        | #0             | 16QAM      | 2479.92            | -42.14              | -25            | PASS    |
| Band7 | 20                 | 21350         | 100        | #0             | QPSK       | 2577.46            | -27.72              | -13            | PASS    |
| Band7 | 20                 | 21350         | 100        | #0             | 16QAM      | 2575.06            | -29.86              | -13            | PASS    |



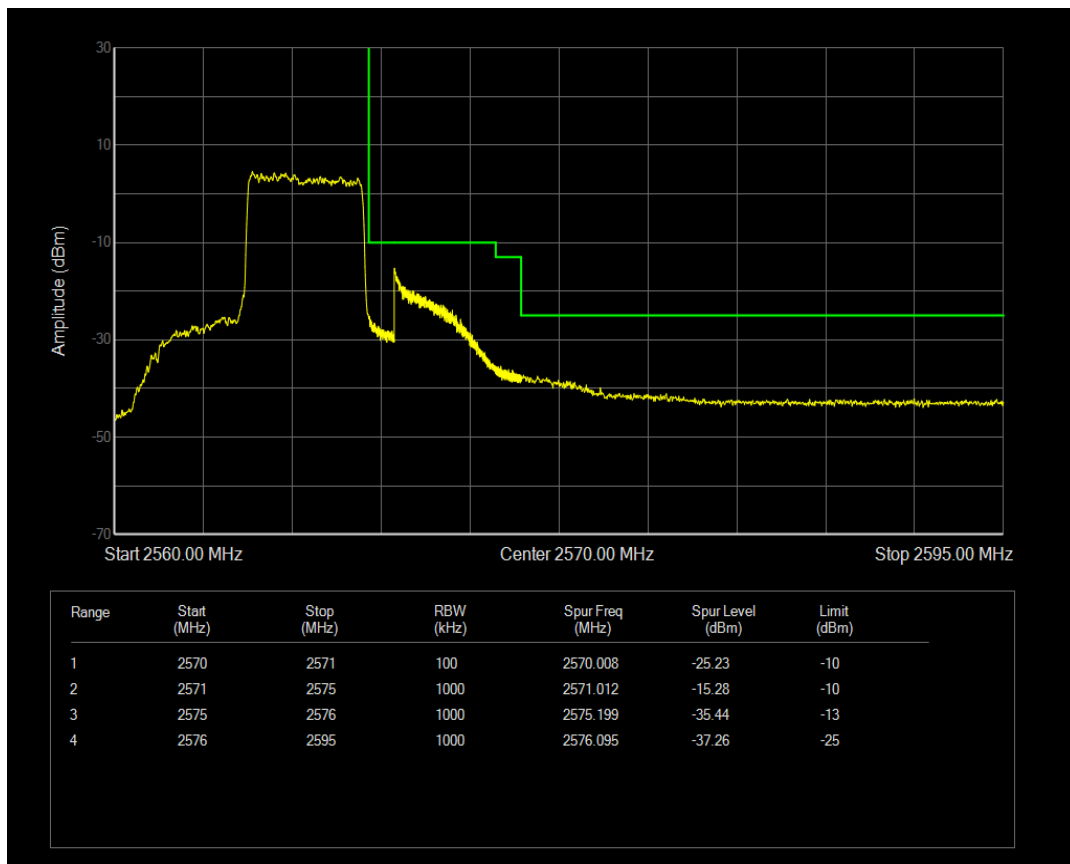
Band7 QPSK BW=5MHz Channel=20775 RB Size=25 Position=#0



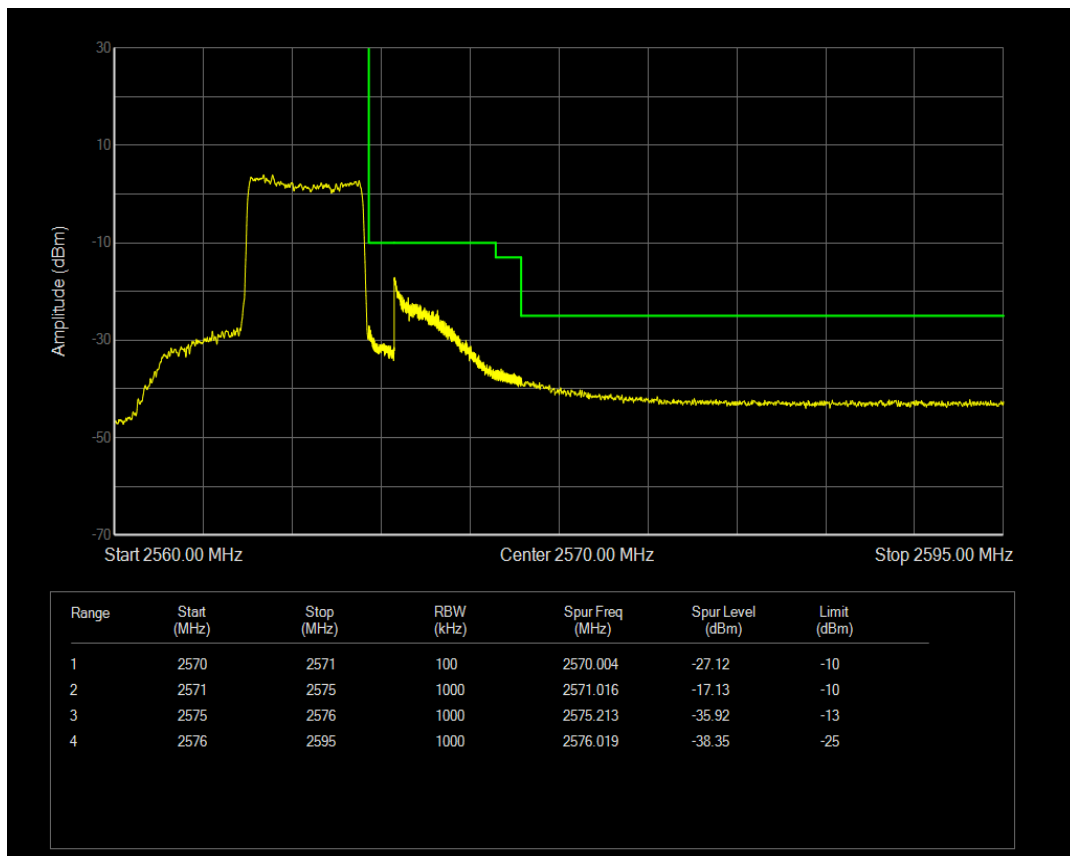
Band7 16QAM BW=5MHz Channel=20775 RB Size=25 Position=#0



Band7 QPSK BW=5MHz Channel=21425 RB Size=25 Position=#0

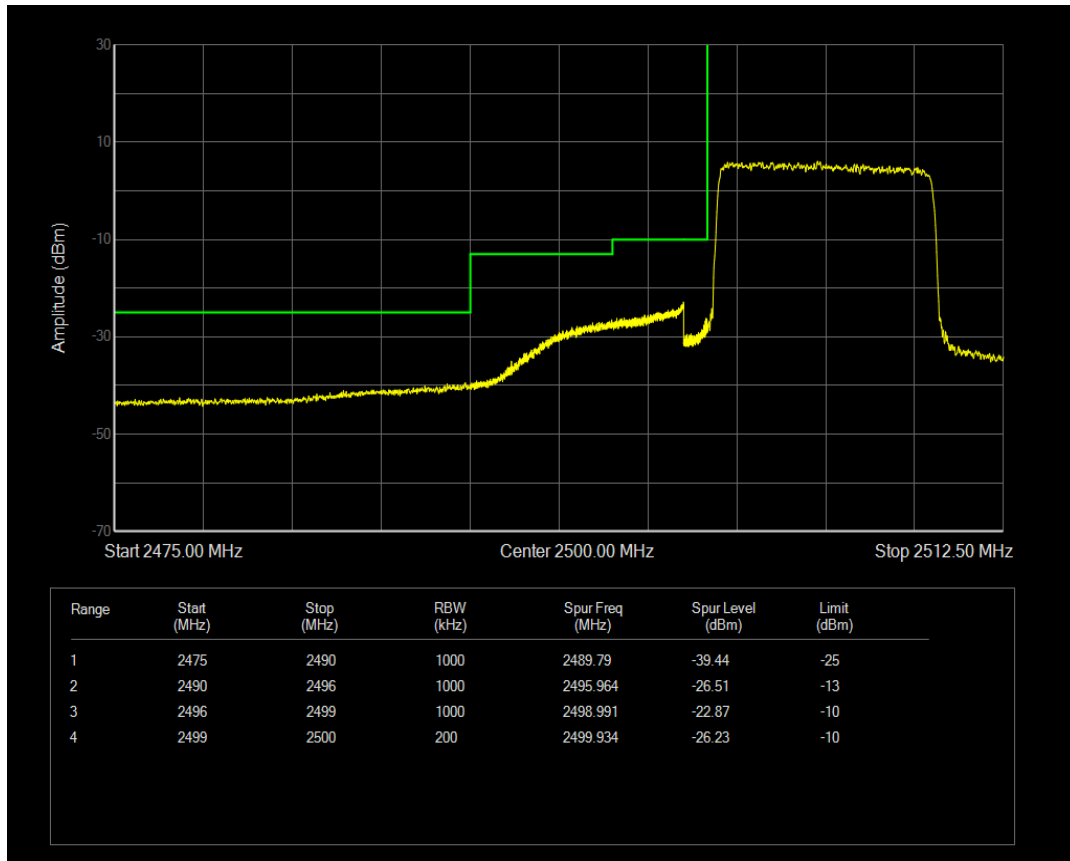


Band7 16QAM BW=5MHz Channel=21425 RB Size=25 Position=#0

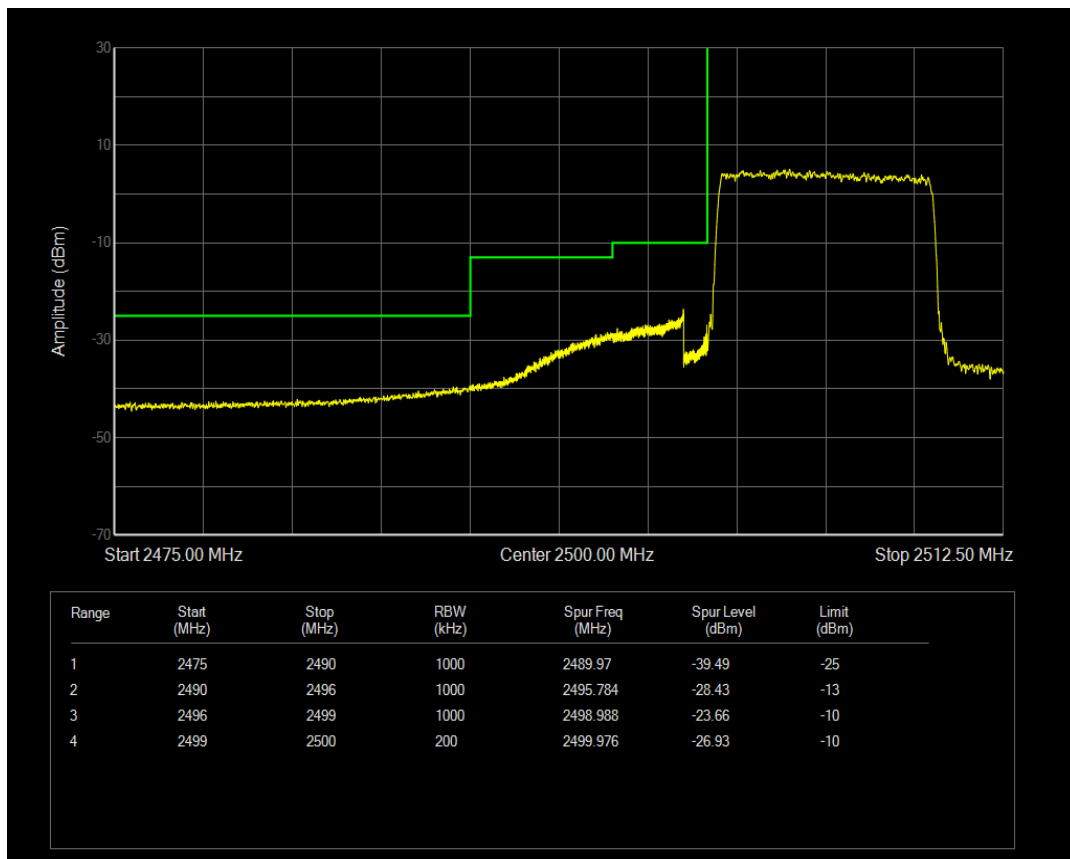




Band7 QPSK BW=10MHz Channel=20800 RB Size=50 Position=#0

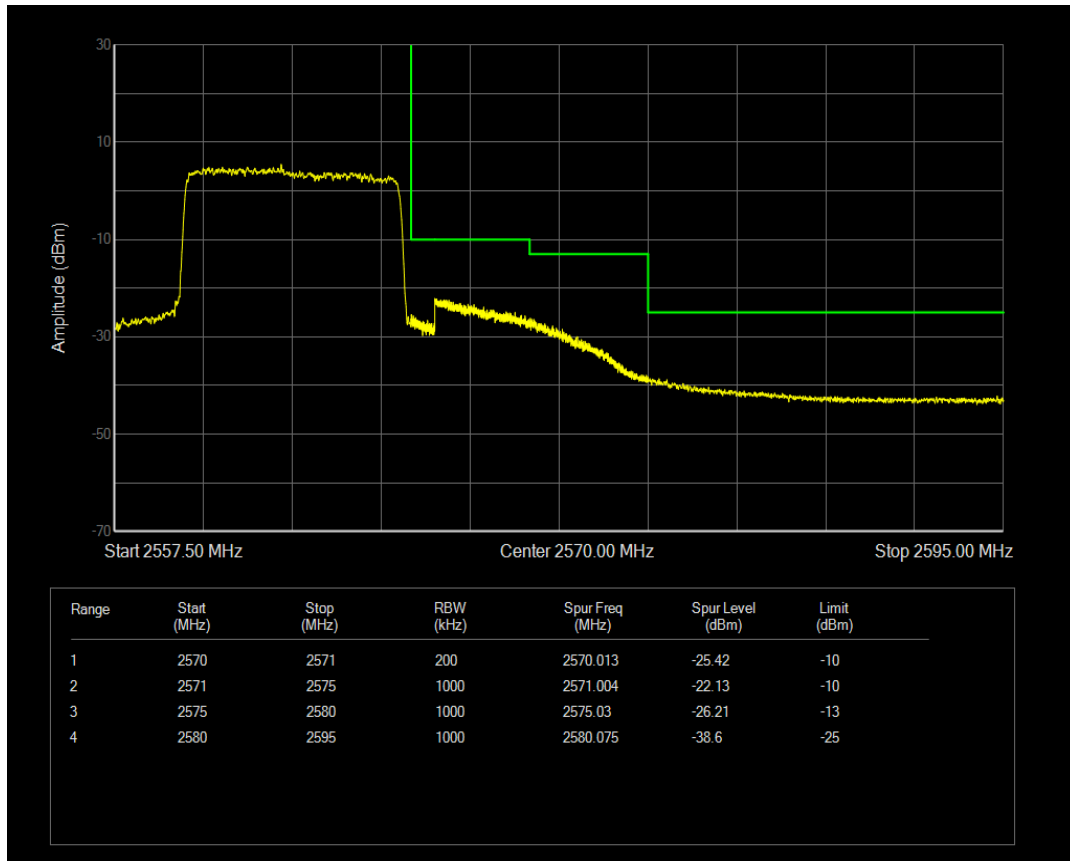


Band7 16QAM BW=10MHz Channel=20800 RB Size=50 Position=#0

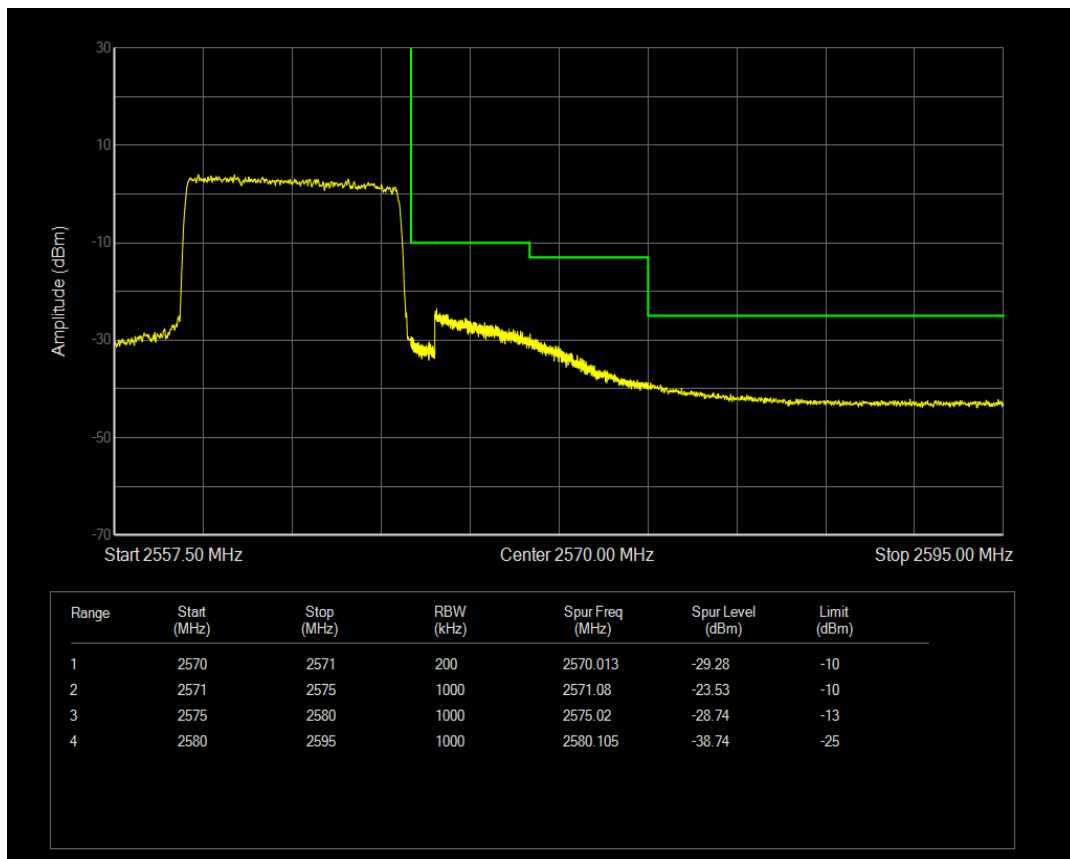




Band7 QPSK BW=10MHz Channel=21400 RB Size=50 Position=#0



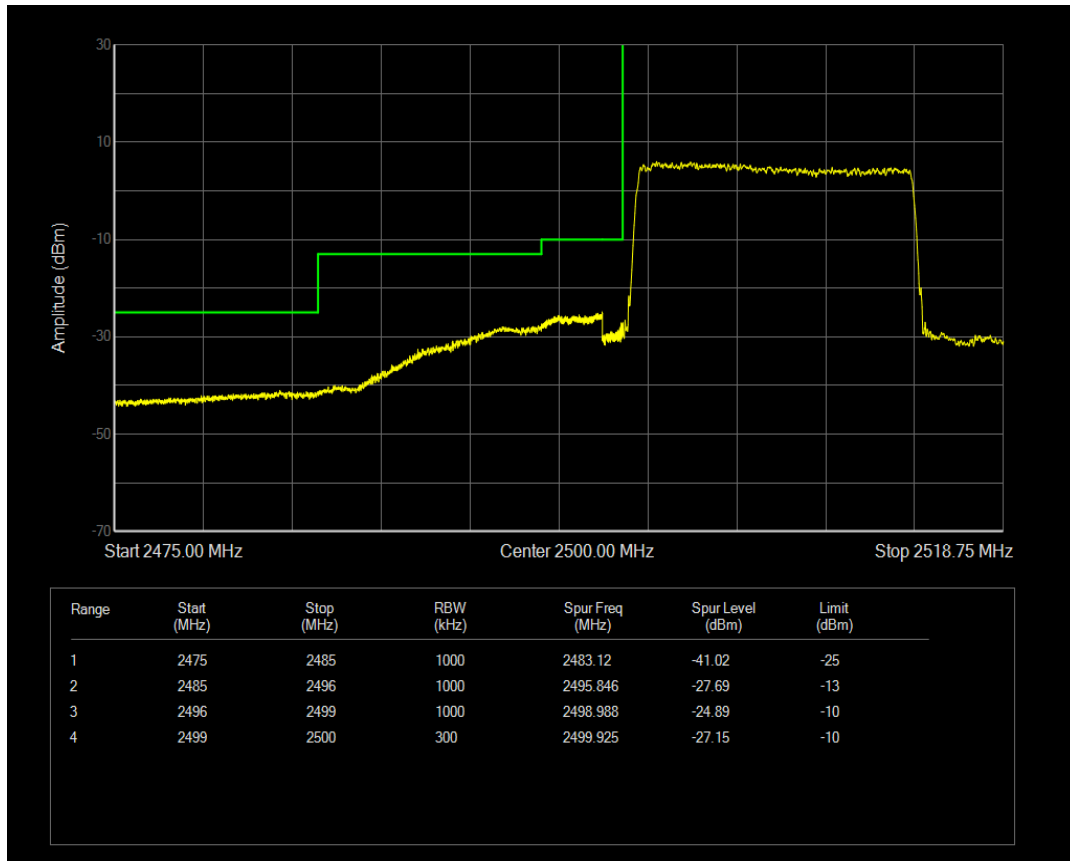
Band7 16QAM BW=10MHz Channel=21400 RB Size=50 Position=#0



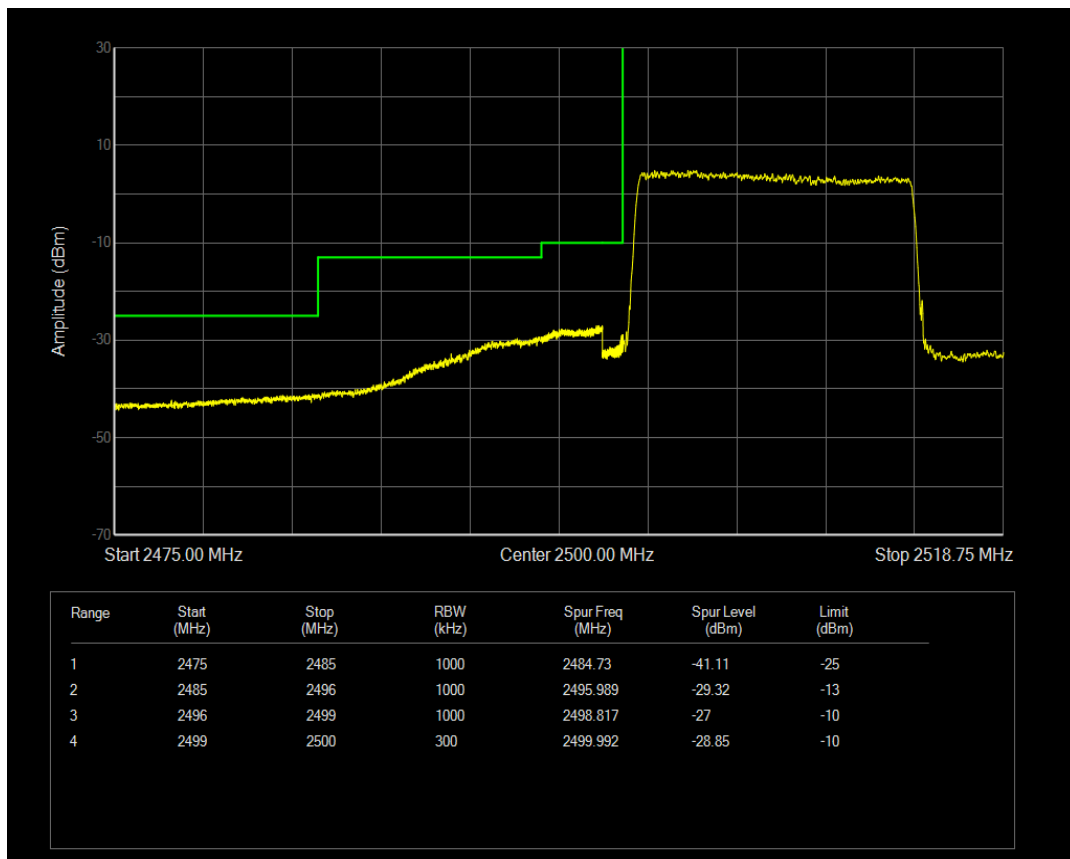




Band7 QPSK BW=15MHz Channel=20825 RB Size=75 Position=#0

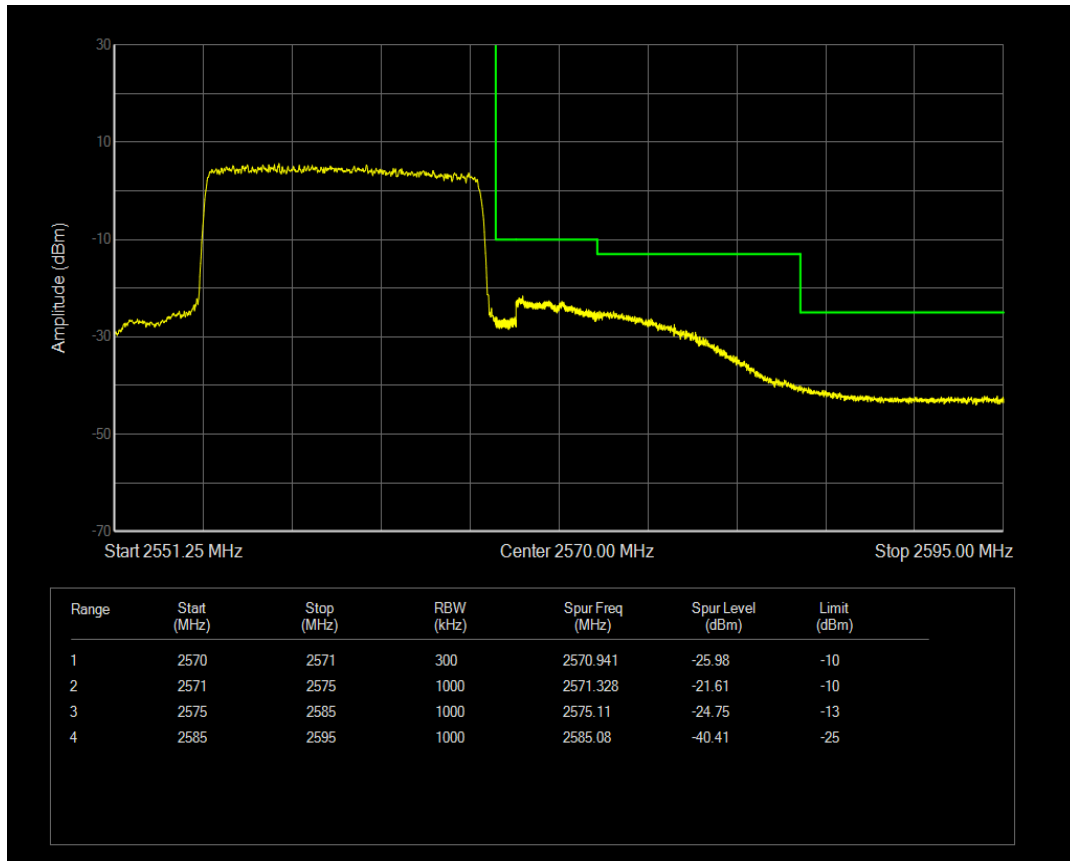


Band7 16QAM BW=15MHz Channel=20825 RB Size=75 Position=#0

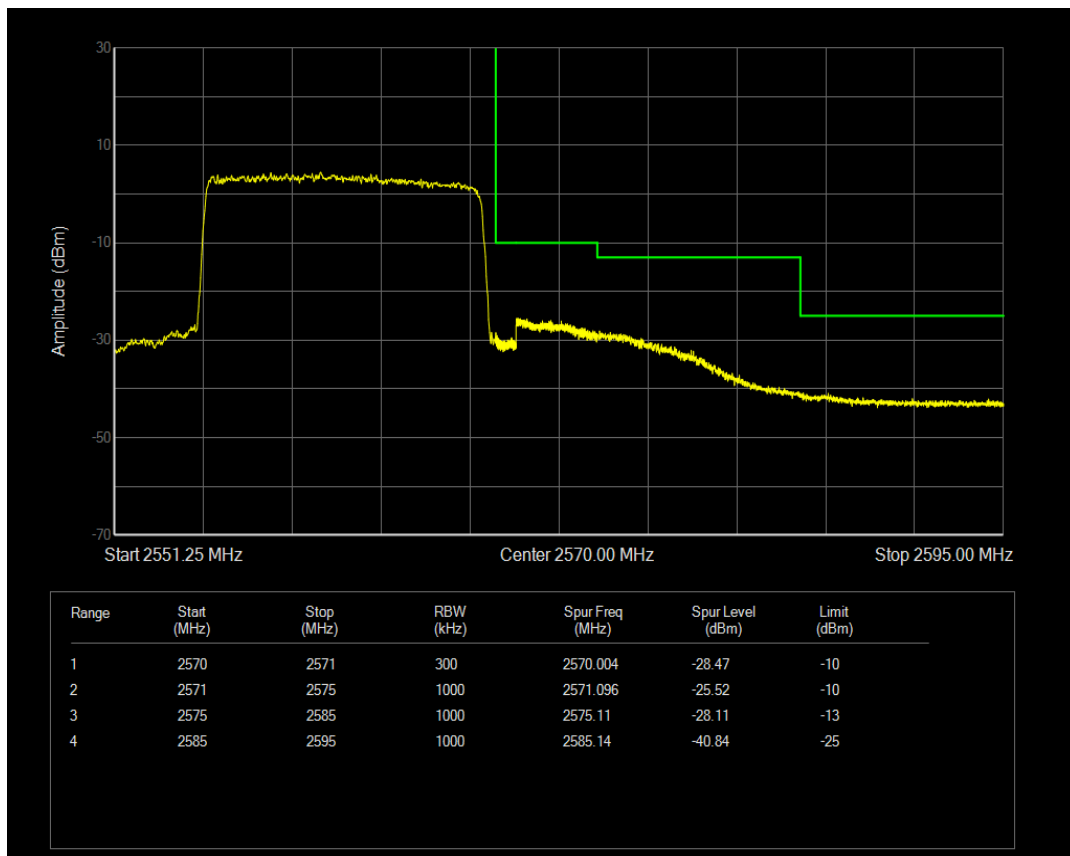




Band7 QPSK BW=15MHz Channel=21375 RB Size=75 Position=#0

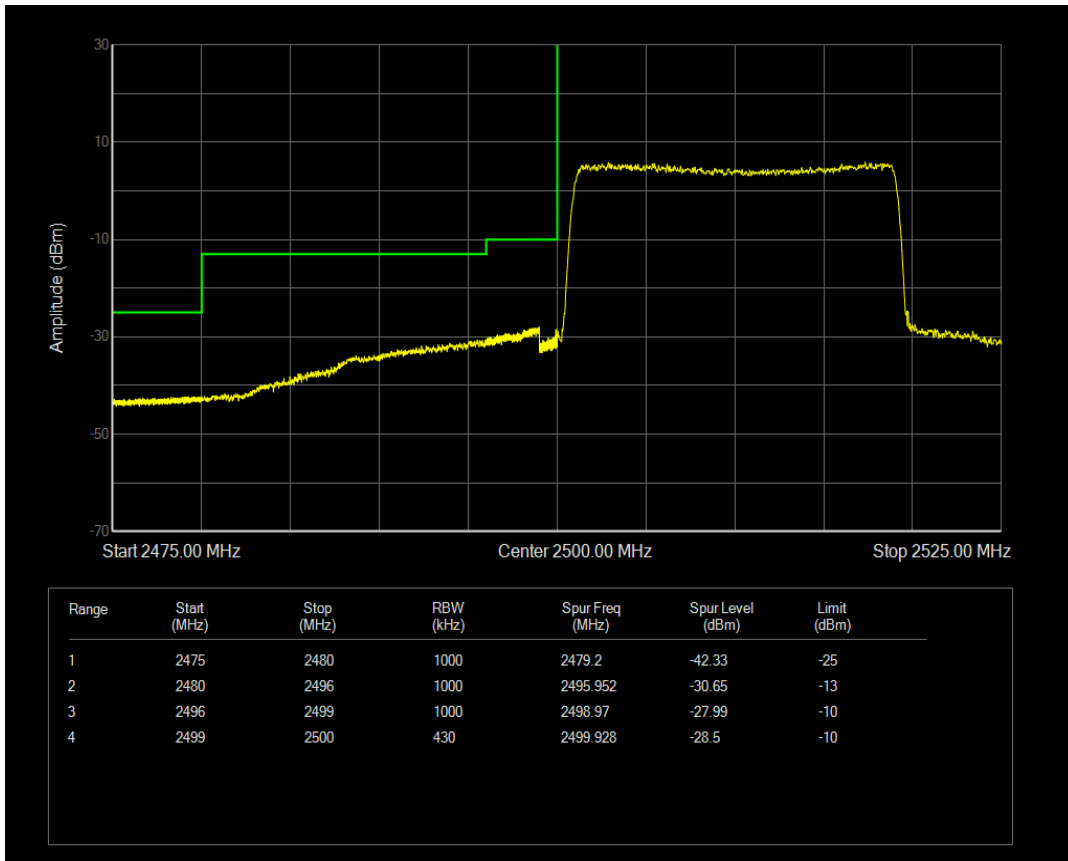


Band7 16QAM BW=15MHz Channel=21375 RB Size=75 Position=#0

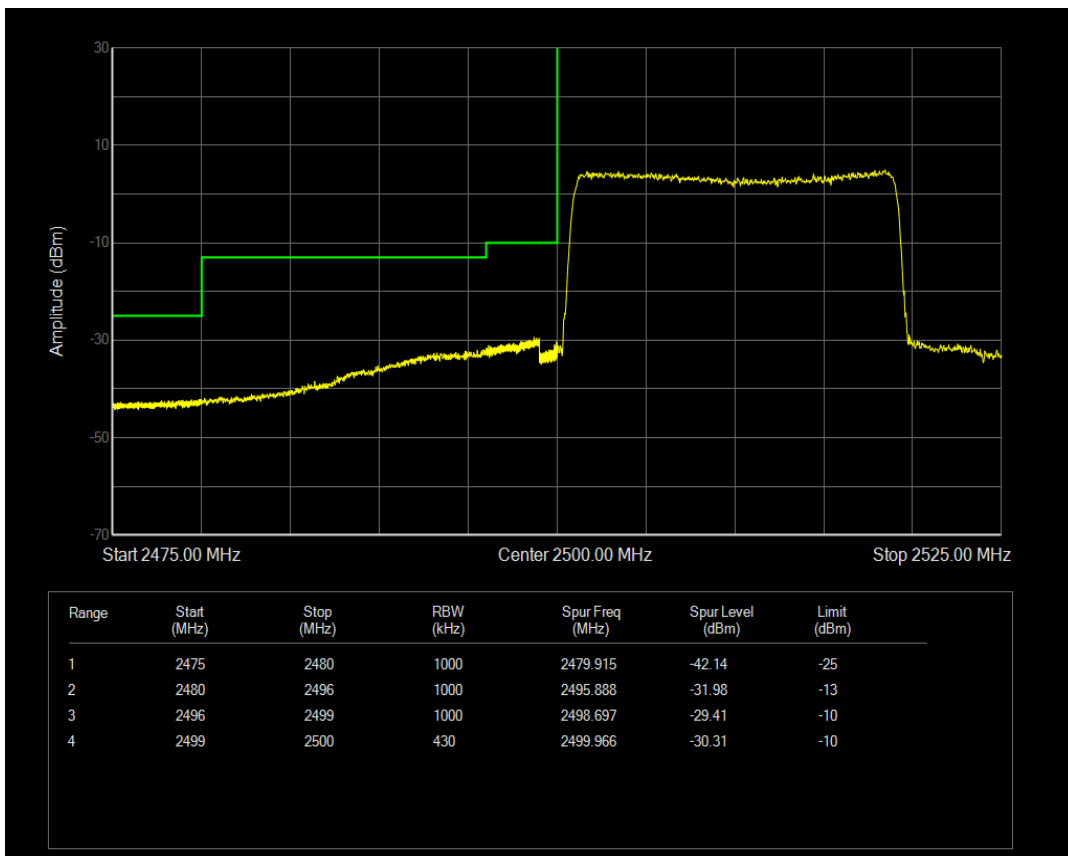




Band7 QPSK BW=20MHz Channel=20850 RB Size=100 Position=#0

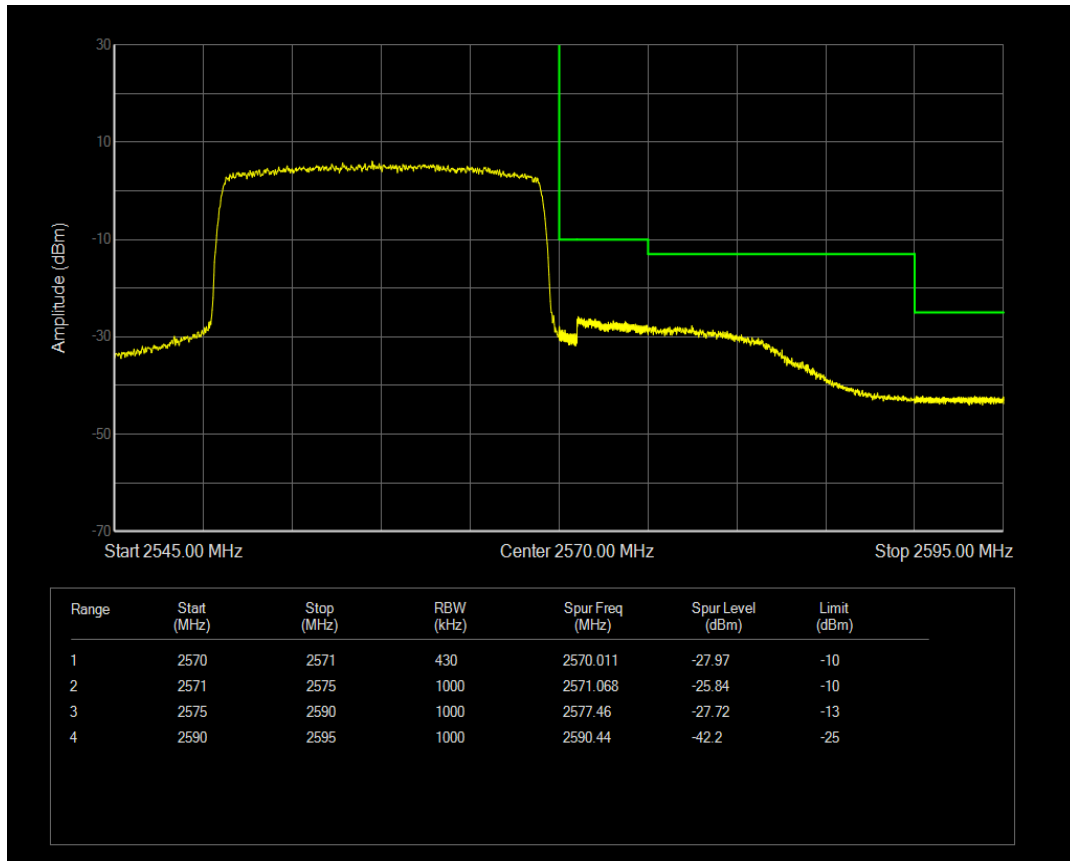


Band7 16QAM BW=20MHz Channel=20850 RB Size=100 Position=#0

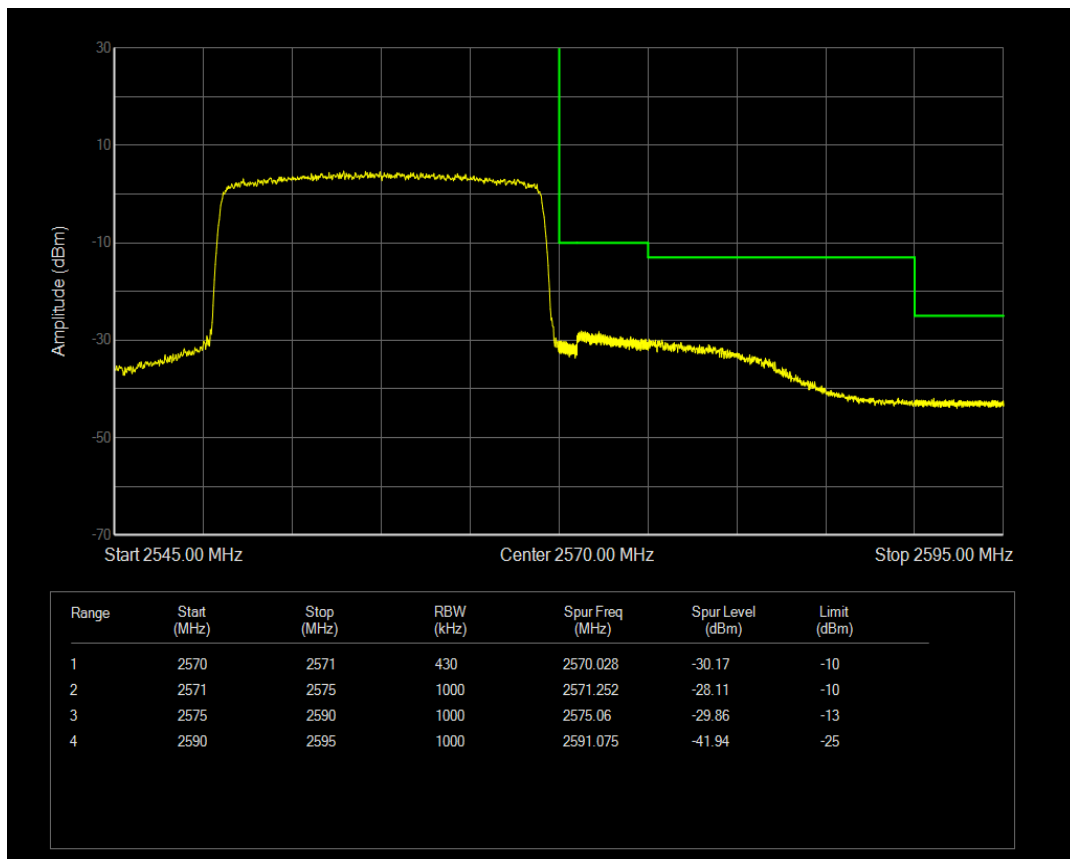




Band7 QPSK BW=20MHz Channel=21350 RB Size=100 Position=#0



Band7 16QAM BW=20MHz Channel=21350 RB Size=100 Position=#0

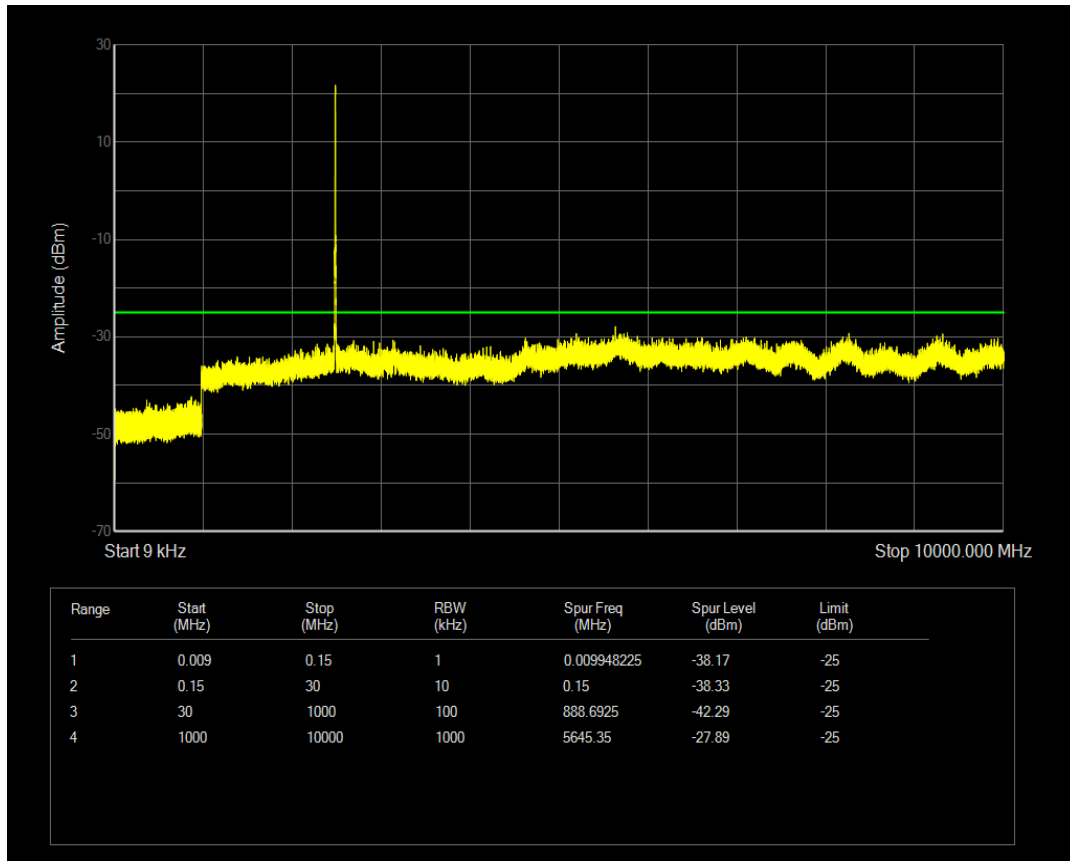


## Appendix 6. Out-of-band emissions

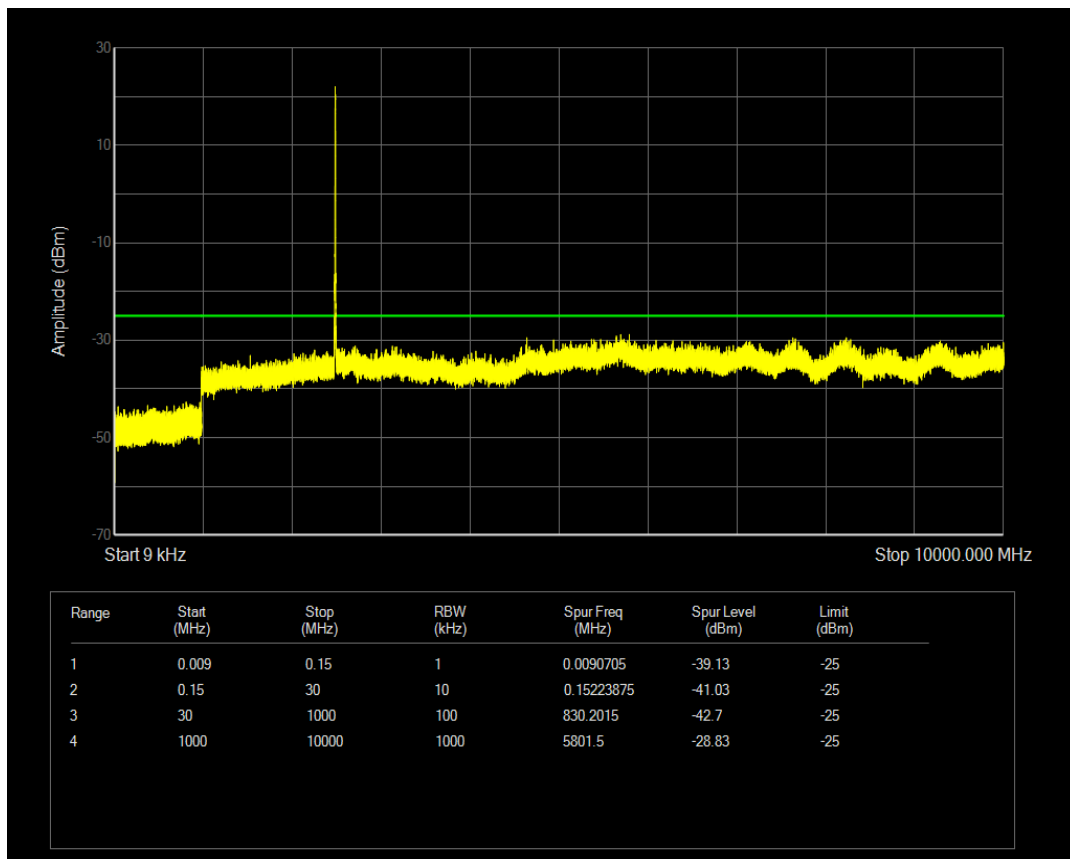
| Band  | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Size | RB<br>Position | Modulation | Spur Freq<br>(MHz) | Spur Level<br>(dBm) | Limit<br>(dBm) | Verdict |
|-------|--------------------|---------------|------------|----------------|------------|--------------------|---------------------|----------------|---------|
| Band7 | 5                  | 20775         | 25         | #0             | QPSK       | 5645.35            | -27.89              | -25            | PASS    |
| Band7 | 5                  | 20775         | 25         | #0             | 16QAM      | 5801.50            | -28.83              | -25            | PASS    |
| Band7 | 5                  | 21100         | 25         | #0             | QPSK       | 5690.80            | -28.48              | -25            | PASS    |
| Band7 | 5                  | 21100         | 25         | #0             | 16QAM      | 5668.08            | -28.20              | -25            | PASS    |
| Band7 | 5                  | 21425         | 25         | #0             | QPSK       | 8223.85            | -28.86              | -25            | PASS    |
| Band7 | 5                  | 21425         | 25         | #0             | 16QAM      | 5690.35            | -29.03              | -25            | PASS    |
| Band7 | 10                 | 20800         | 50         | #0             | QPSK       | 5717.13            | -28.82              | -25            | PASS    |
| Band7 | 10                 | 20800         | 50         | #0             | 16QAM      | 5685.40            | -28.06              | -25            | PASS    |
| Band7 | 10                 | 21100         | 50         | #0             | QPSK       | 5661.55            | -28.76              | -25            | PASS    |
| Band7 | 10                 | 21100         | 50         | #0             | 16QAM      | 5677.30            | -29.06              | -25            | PASS    |
| Band7 | 10                 | 21400         | 50         | #0             | QPSK       | 5676.40            | -27.92              | -25            | PASS    |
| Band7 | 15                 | 20825         | 75         | #0             | QPSK       | 5705.65            | -28.80              | -25            | PASS    |
| Band7 | 15                 | 20825         | 75         | #0             | 16QAM      | 5699.58            | -29.04              | -25            | PASS    |
| Band7 | 15                 | 21100         | 75         | #0             | QPSK       | 5742.33            | -28.88              | -25            | PASS    |
| Band7 | 15                 | 21100         | 75         | #0             | 16QAM      | 5718.70            | -28.17              | -25            | PASS    |
| Band7 | 15                 | 21375         | 75         | #0             | QPSK       | 5690.13            | -28.28              | -25            | PASS    |
| Band7 | 15                 | 21375         | 75         | #0             | 16QAM      | 7628.28            | -28.81              | -25            | PASS    |
| Band7 | 20                 | 20850         | 100        | #0             | QPSK       | 5698.00            | -28.89              | -25            | PASS    |
| Band7 | 20                 | 21100         | 100        | #0             | QPSK       | 5673.03            | -29.04              | -25            | PASS    |
| Band7 | 20                 | 21100         | 100        | #0             | 16QAM      | 5608.00            | -28.87              | -25            | PASS    |
| Band7 | 20                 | 21350         | 100        | #0             | QPSK       | 5649.18            | -28.22              | -25            | PASS    |
| Band7 | 20                 | 21350         | 100        | #0             | 16QAM      | 5866.98            | -29.39              | -25            | PASS    |



Band7 QPSK BW=5MHz Channel=20775 RB Size=25 Position=#0

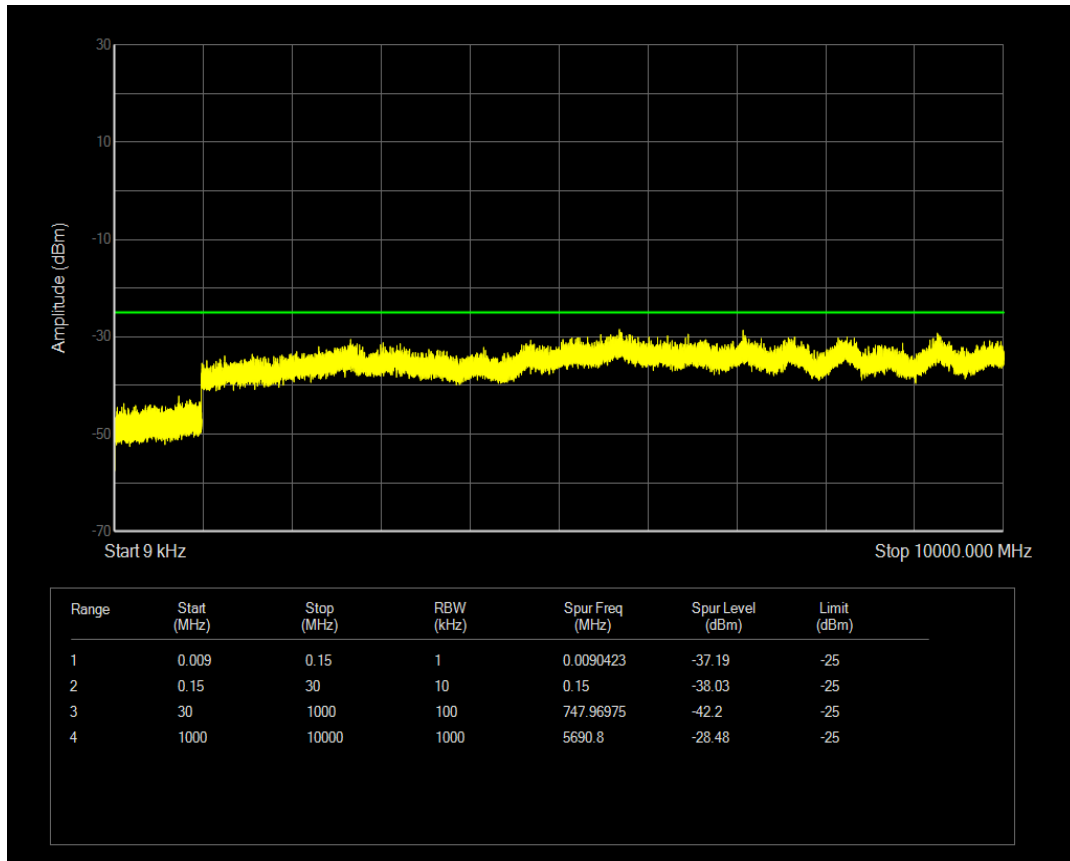


Band7 16QAM BW=5MHz Channel=20775 RB Size=25 Position=#0

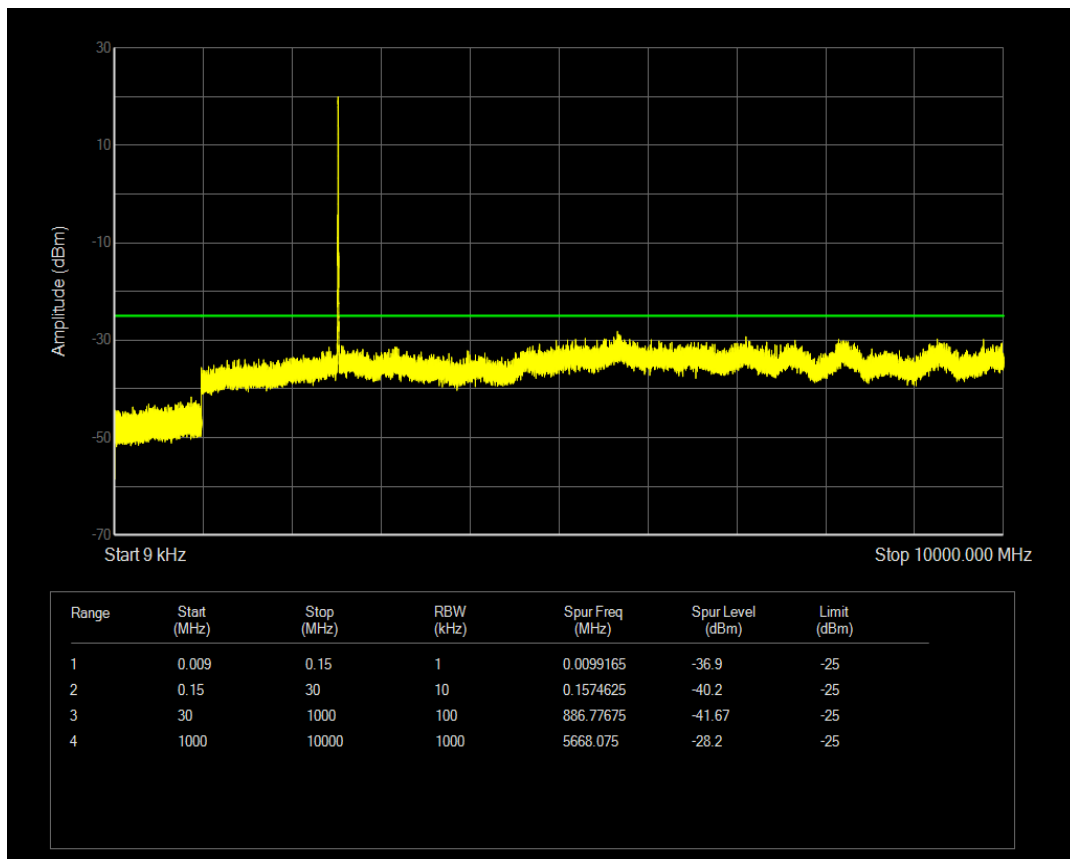




Band7 QPSK BW=5MHz Channel=21100 RB Size=25 Position=#0

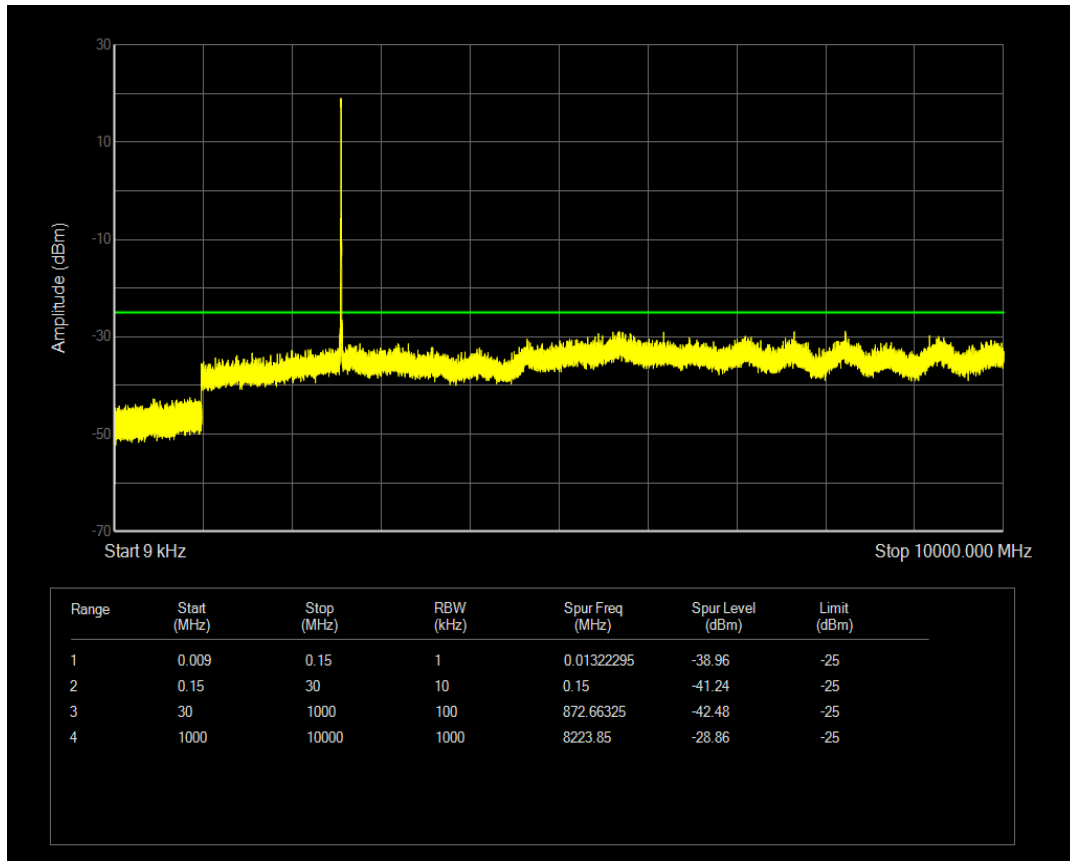


Band7 16QAM BW=5MHz Channel=21100 RB Size=25 Position=#0

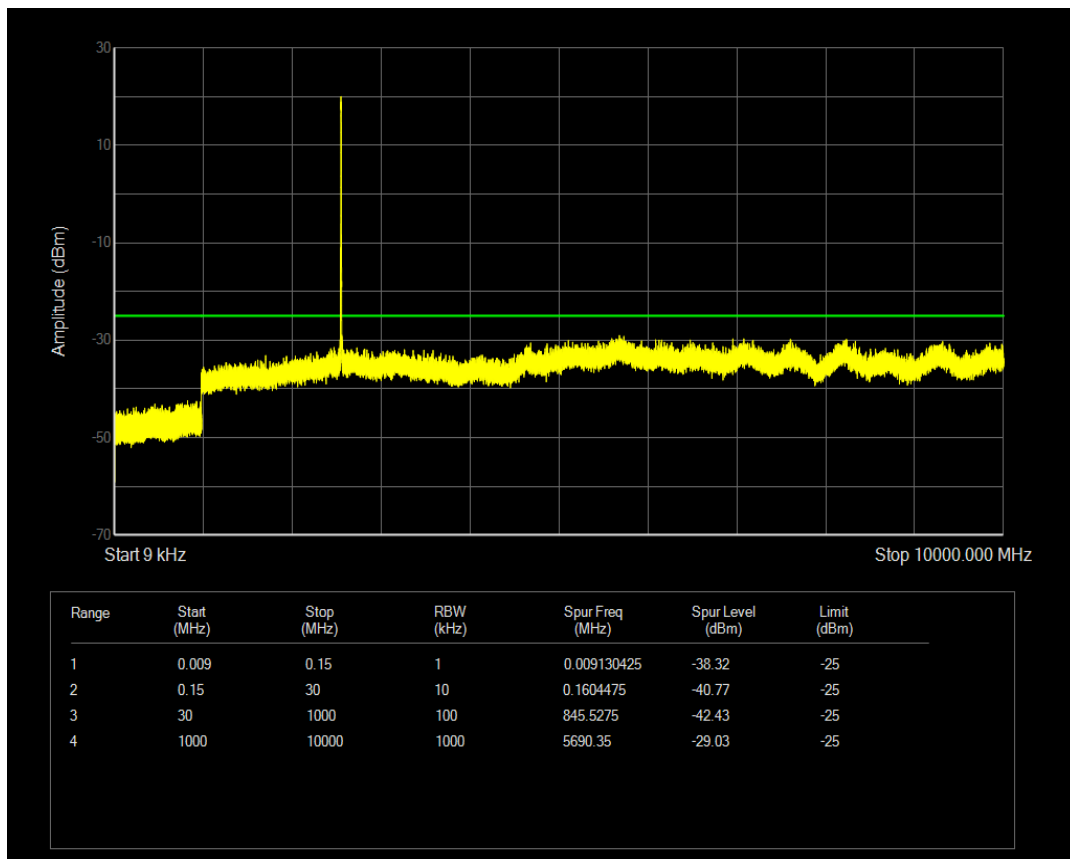




Band7 QPSK BW=5MHz Channel=21425 RB Size=25 Position=#0



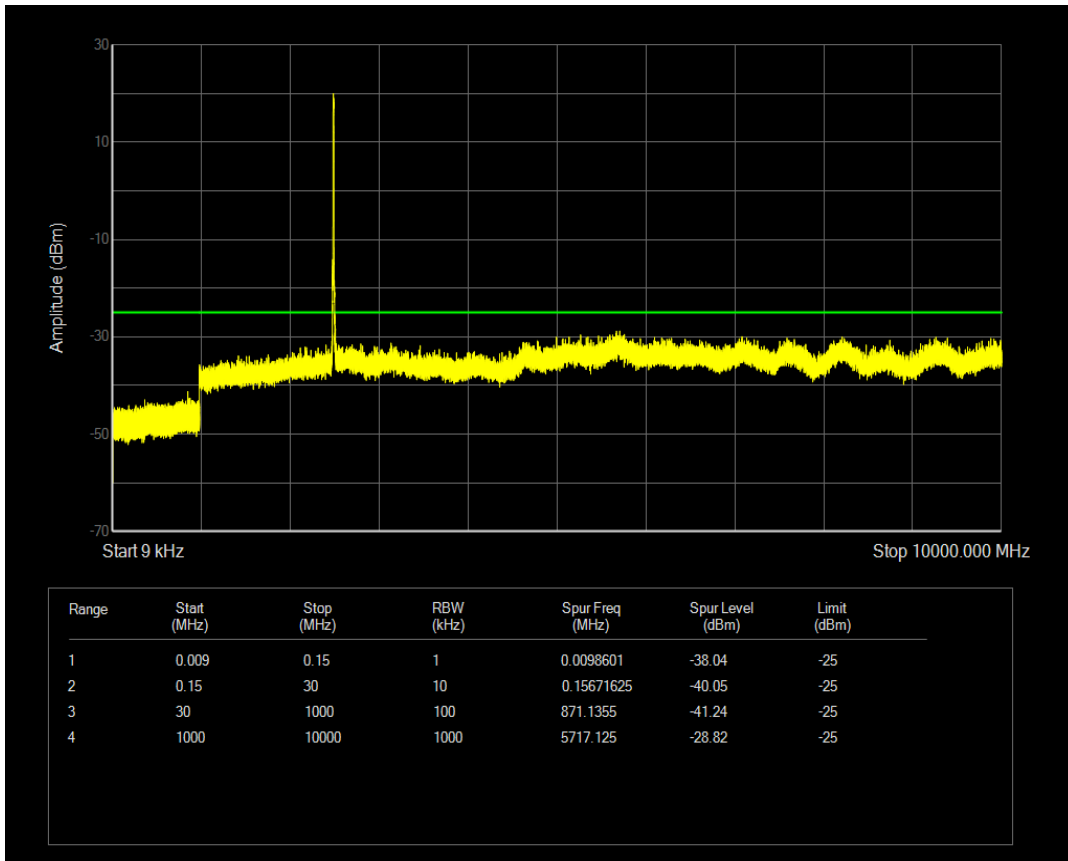
Band7 16QAM BW=5MHz Channel=21425 RB Size=25 Position=#0



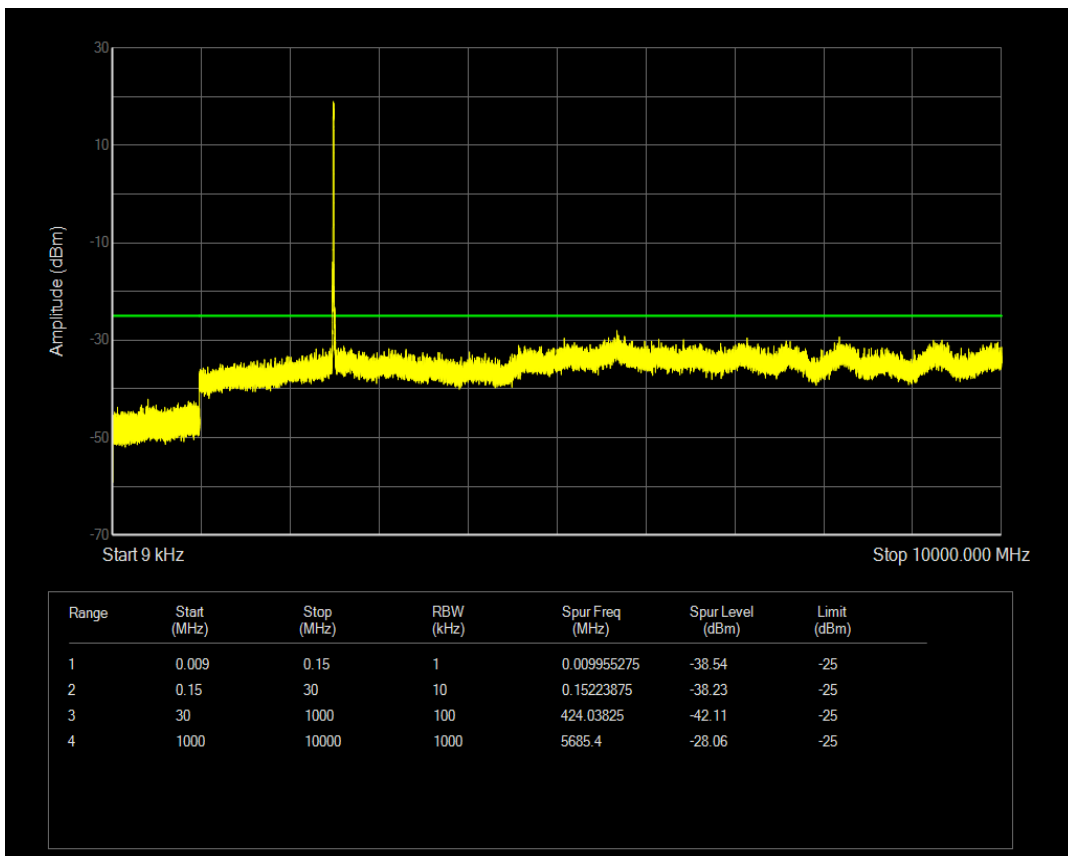




Band7 QPSK BW=10MHz Channel=20800 RB Size=50 Position=#0

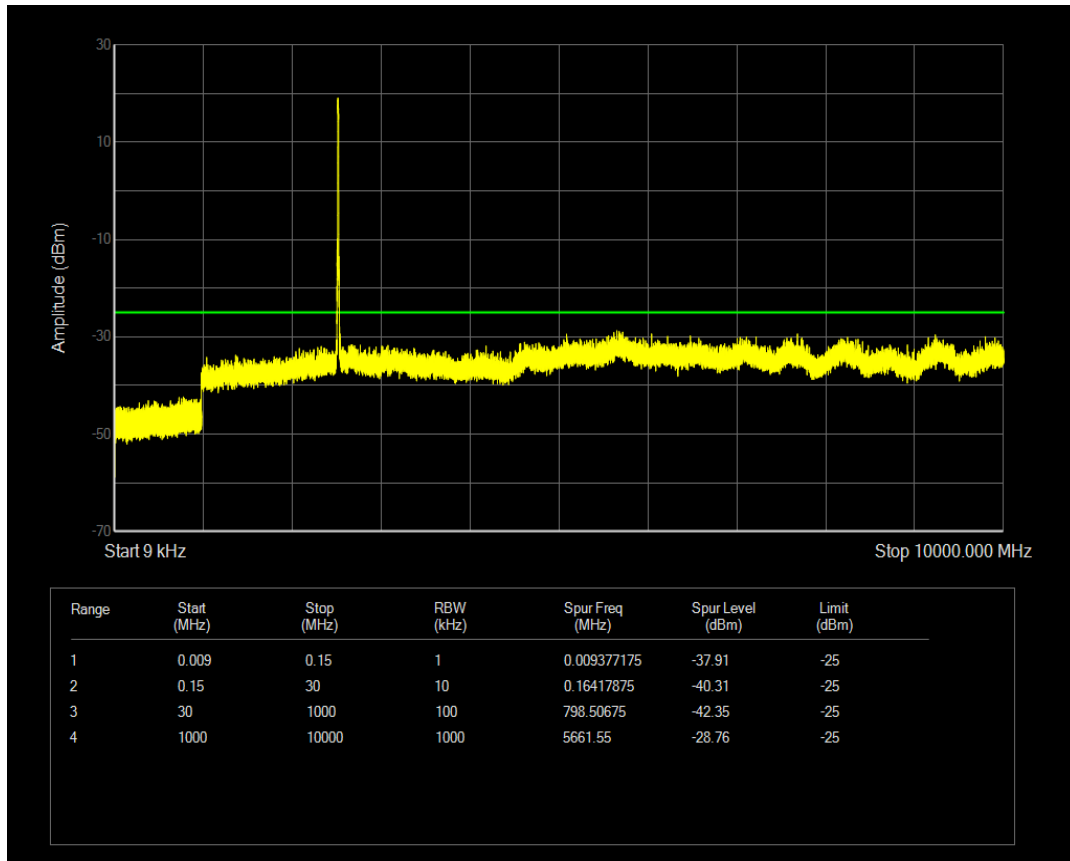


Band7 16QAM BW=10MHz Channel=20800 RB Size=50 Position=#0

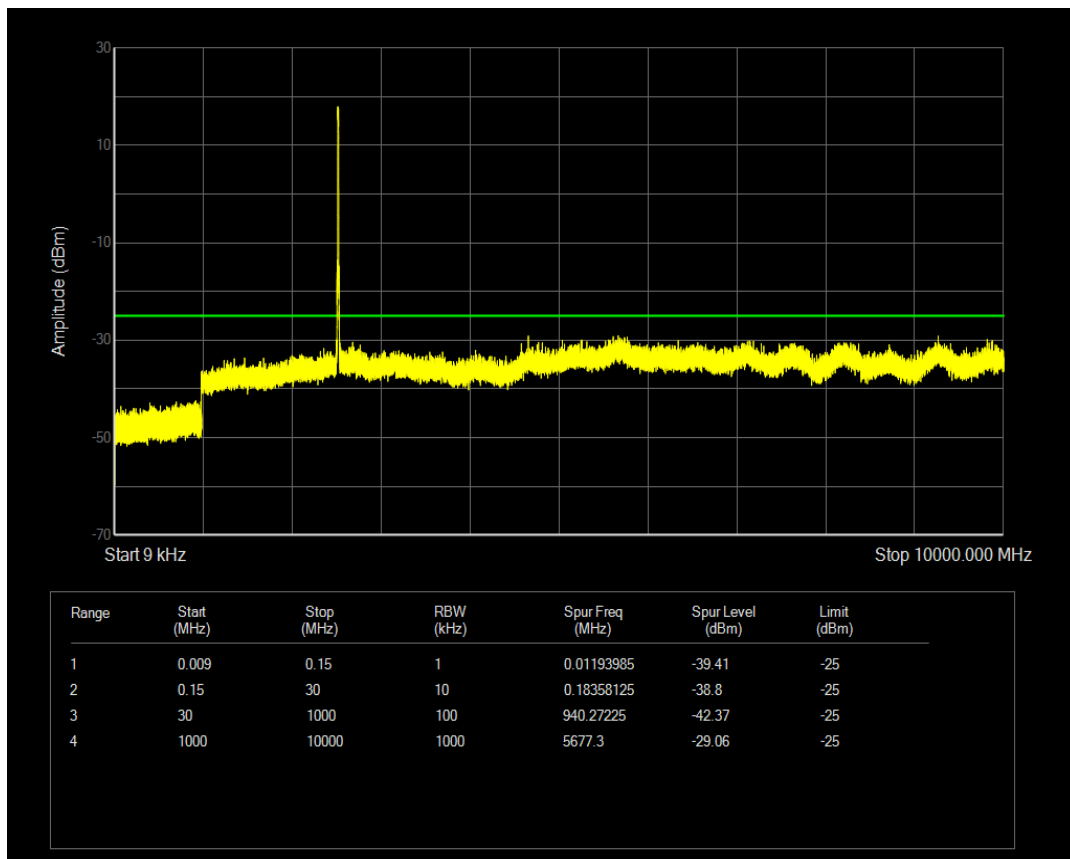




Band7 QPSK BW=10MHz Channel=21100 RB Size=50 Position=#0

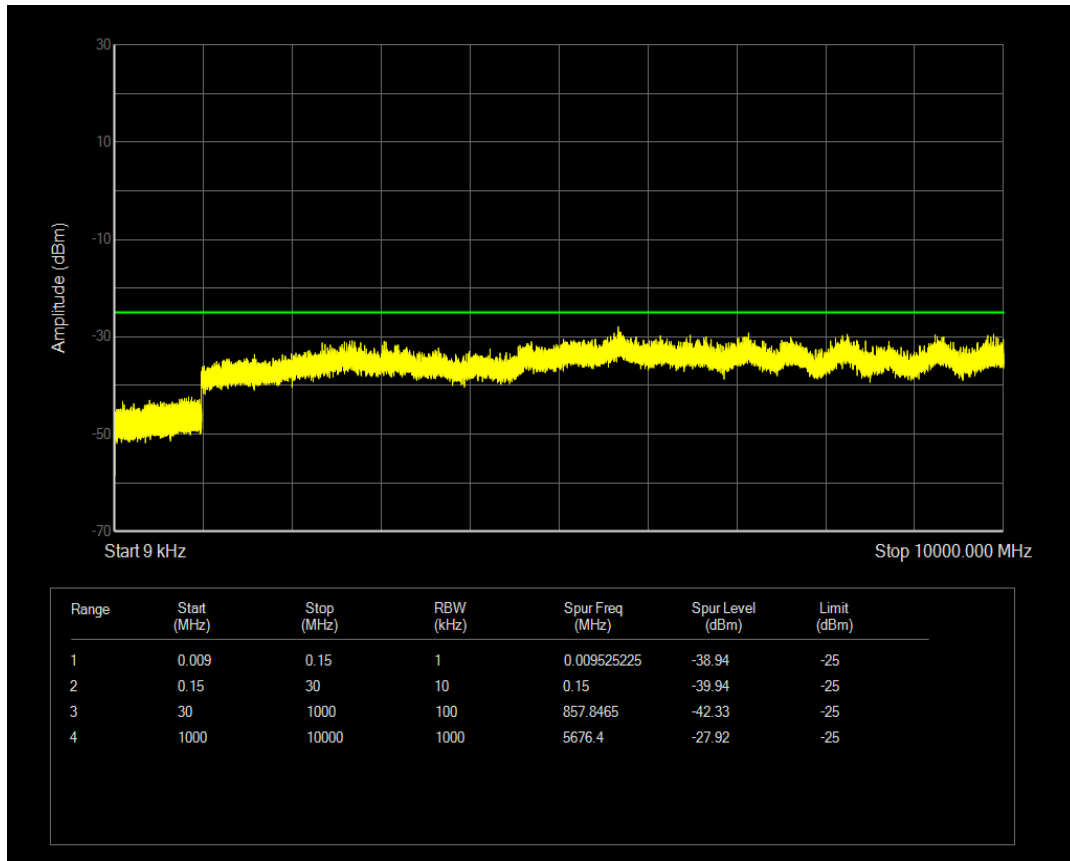


Band7 16QAM BW=10MHz Channel=21100 RB Size=50 Position=#0

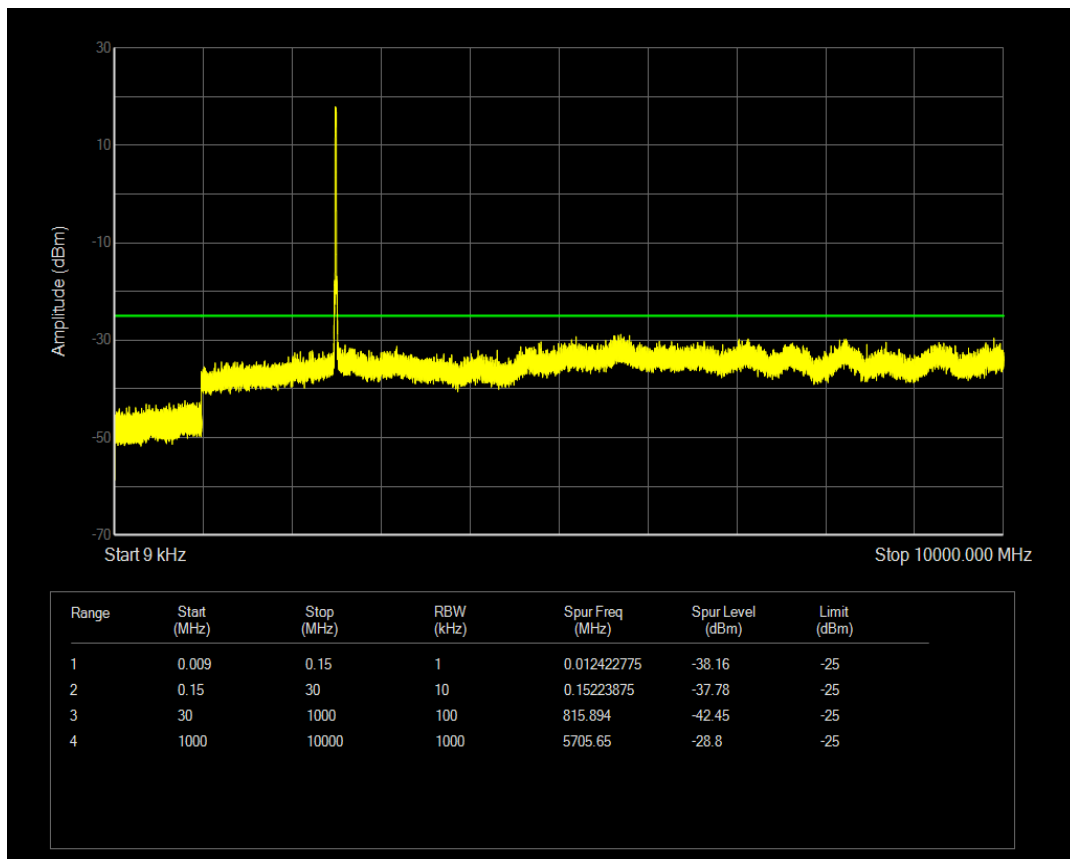




Band7 QPSK BW=10MHz Channel=21400 RB Size=50 Position=#0

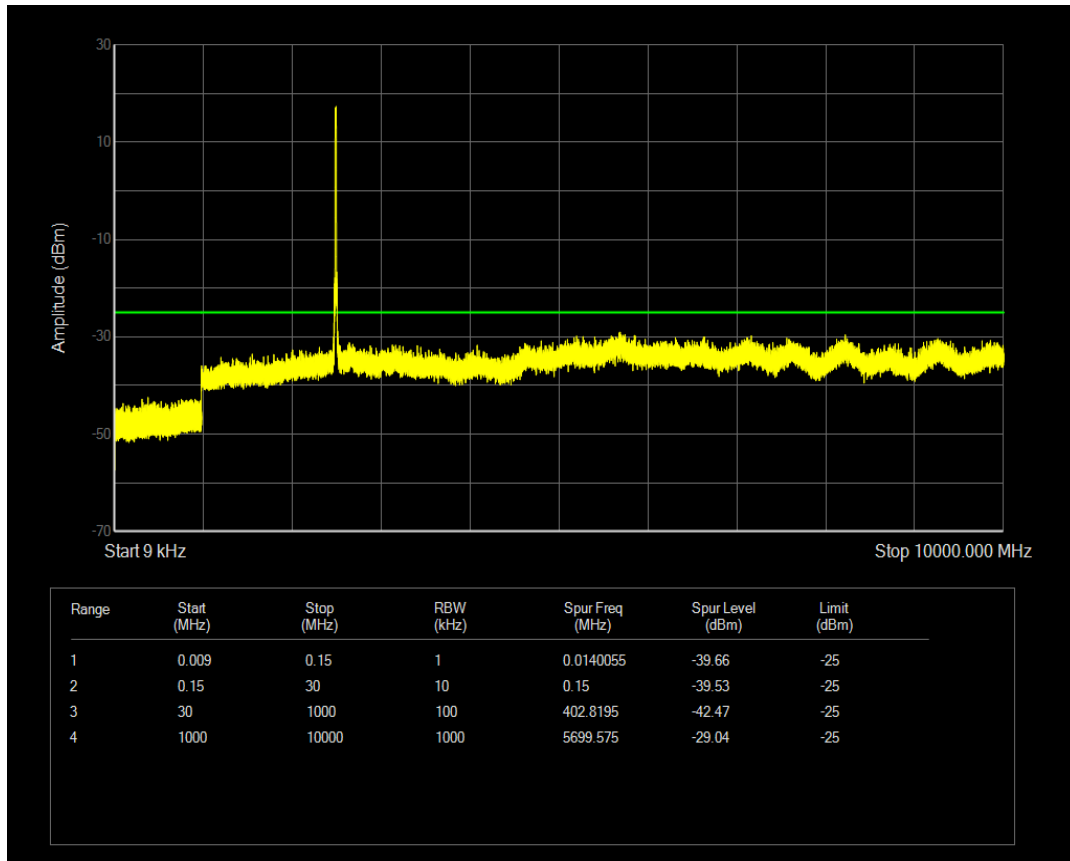


Band7 QPSK BW=15MHz Channel=20825 RB Size=75 Position=#0

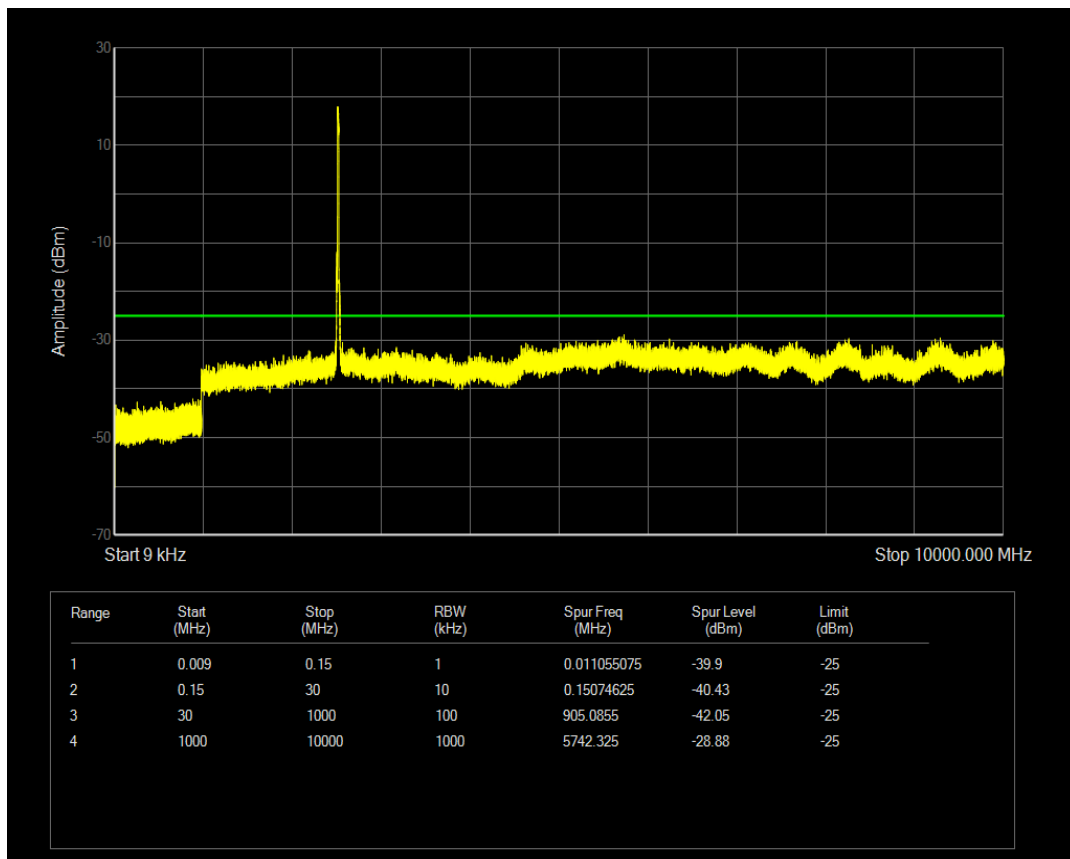




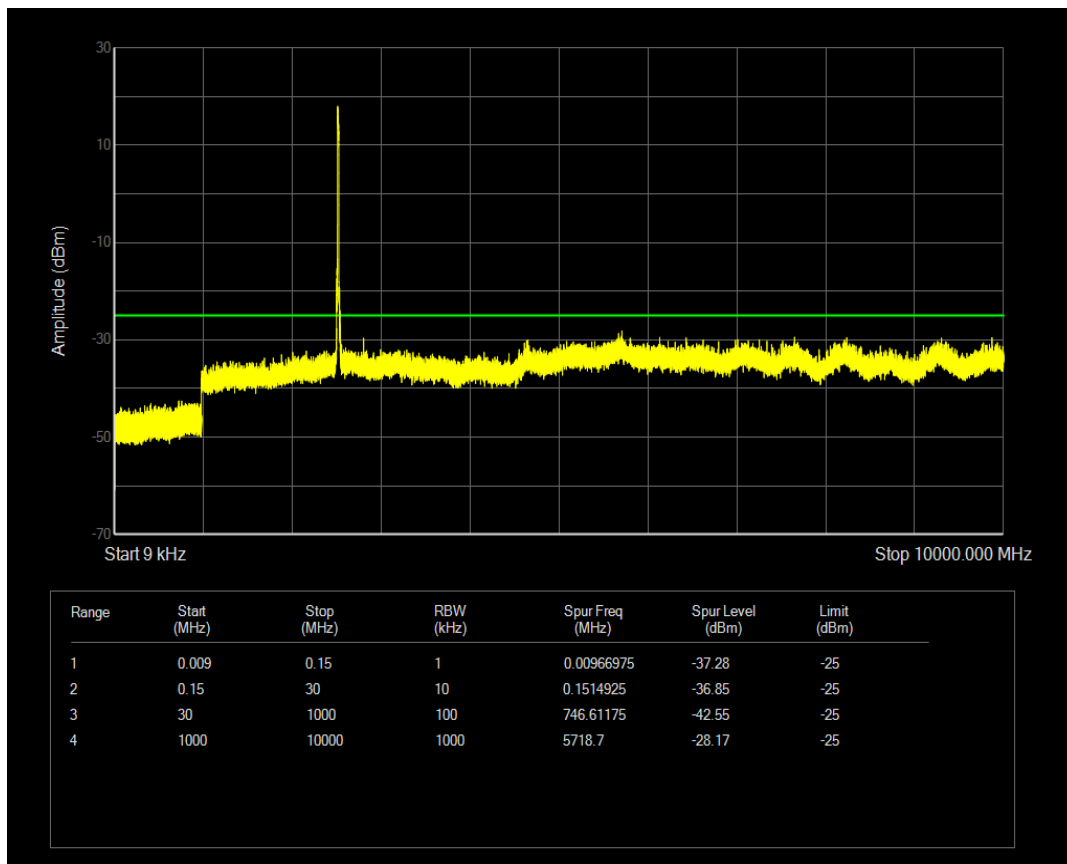
Band7 16QAM BW=15MHz Channel=20825 RB Size=75 Position=#0



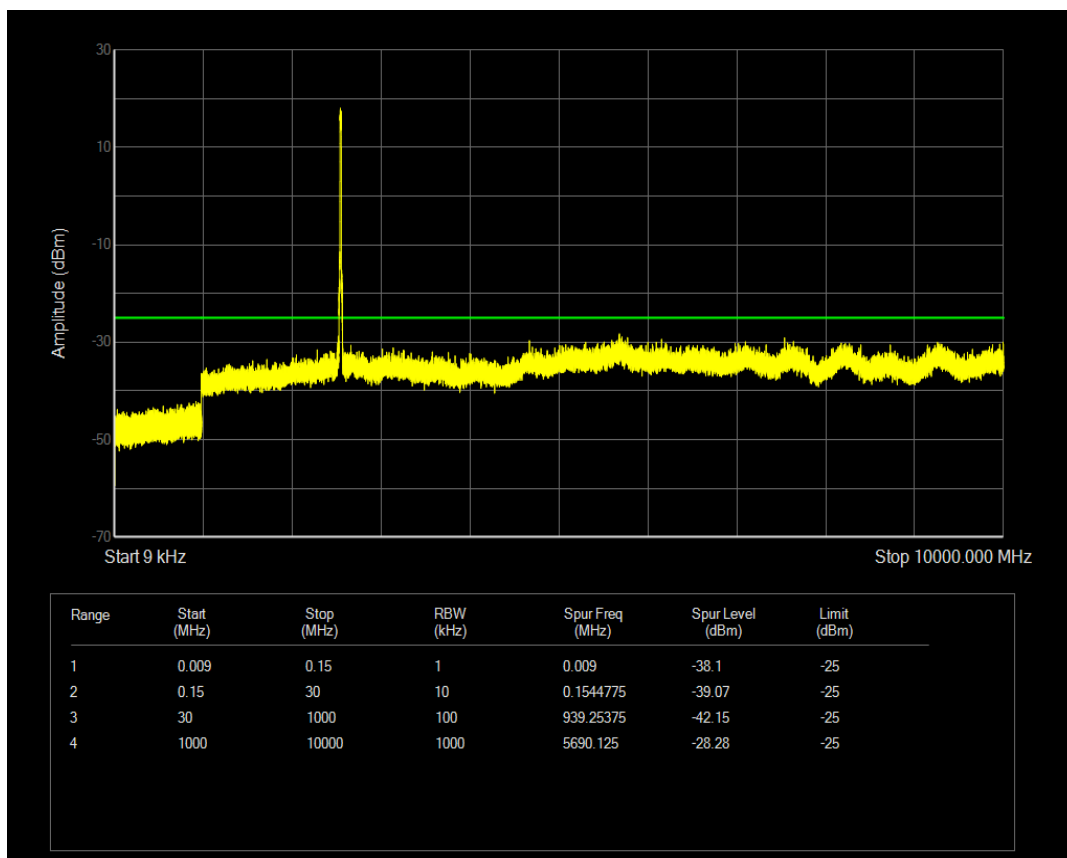
Band7 QPSK BW=15MHz Channel=21100 RB Size=75 Position=#0



Band7 16QAM BW=15MHz Channel=21100 RB Size=75 Position=#0

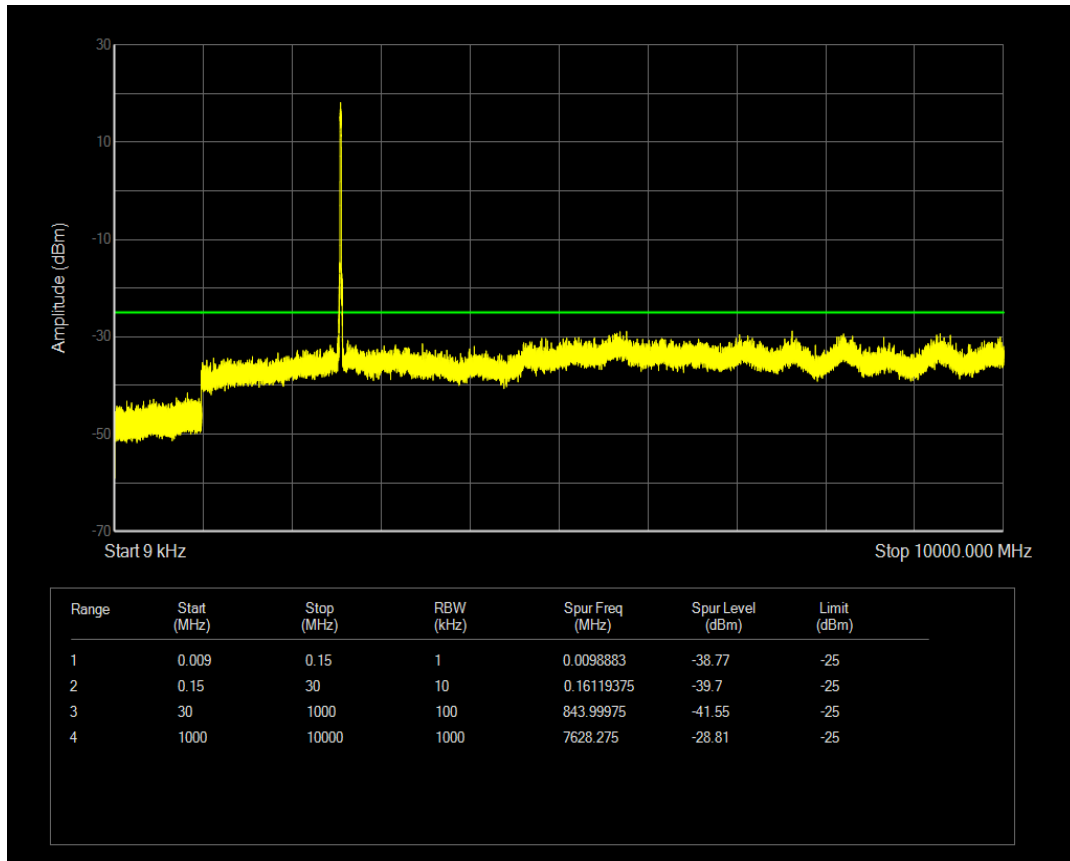


Band7 QPSK BW=15MHz Channel=21375 RB Size=75 Position=#0

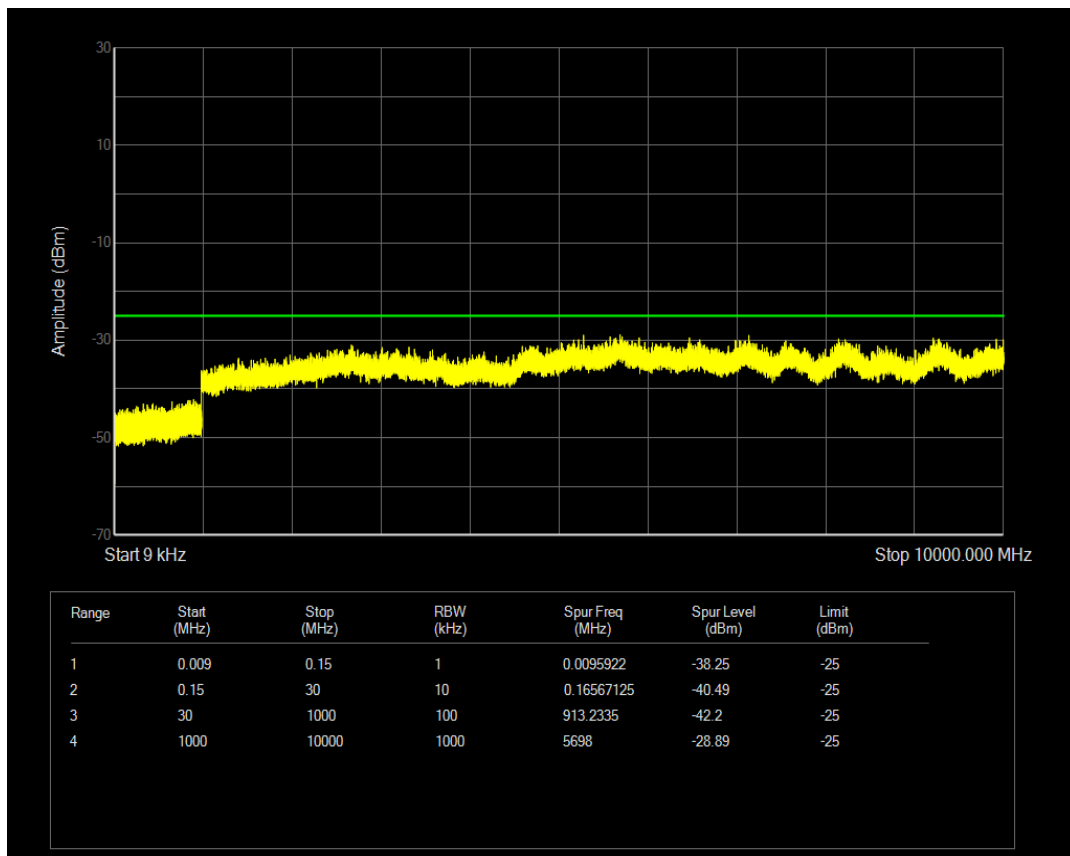




Band7 16QAM BW=15MHz Channel=21375 RB Size=75 Position=#0

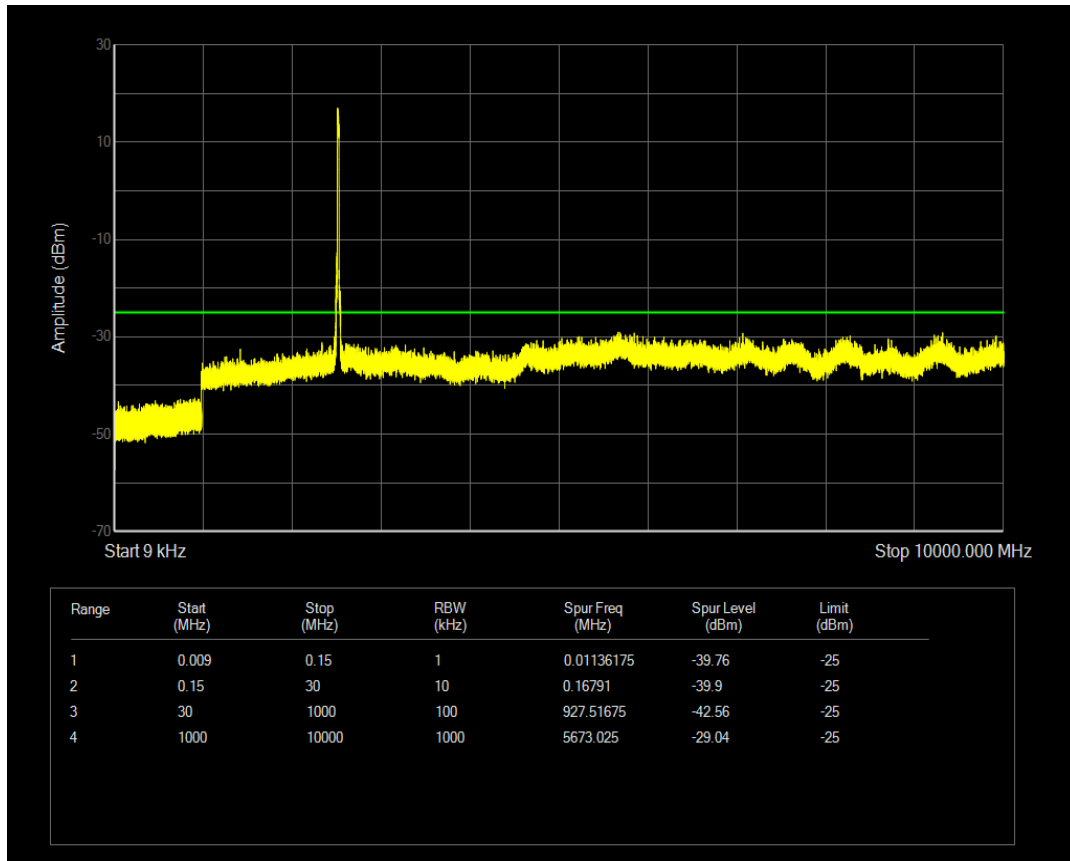


Band7 QPSK BW=20MHz Channel=20850 RB Size=100 Position=#0

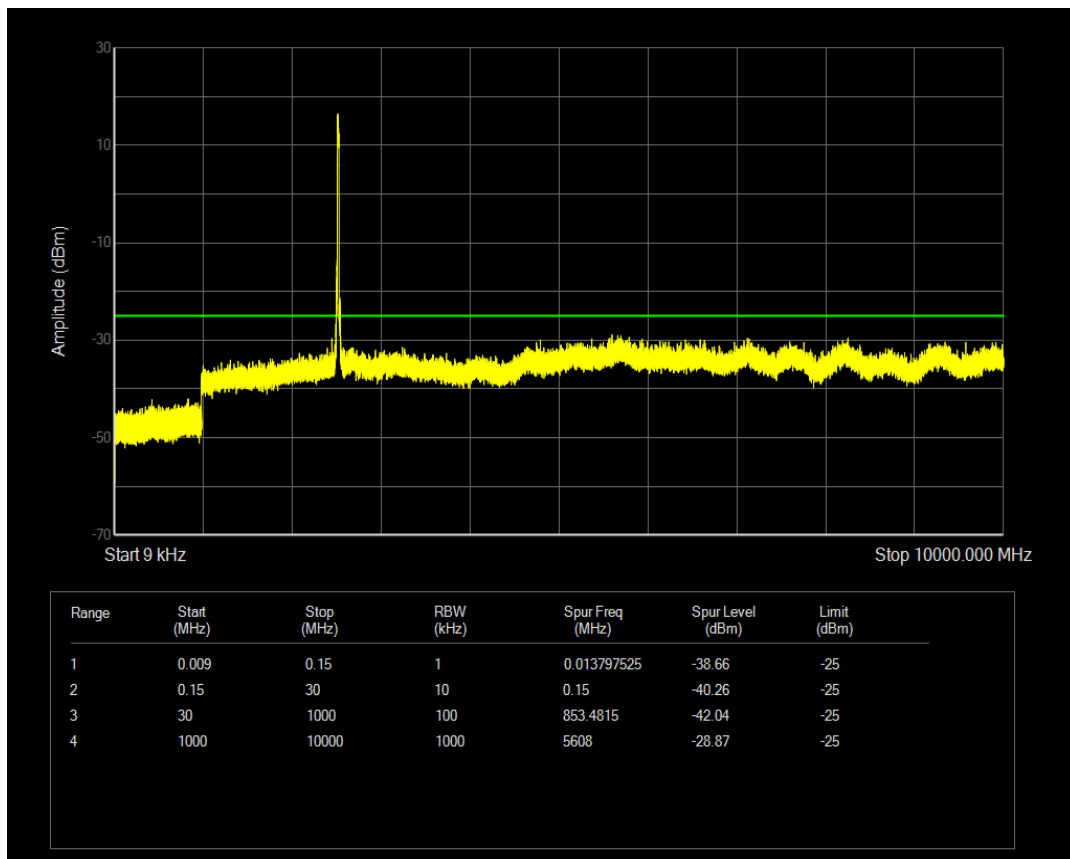




Band7 QPSK BW=20MHz Channel=21100 RB Size=100 Position=#0

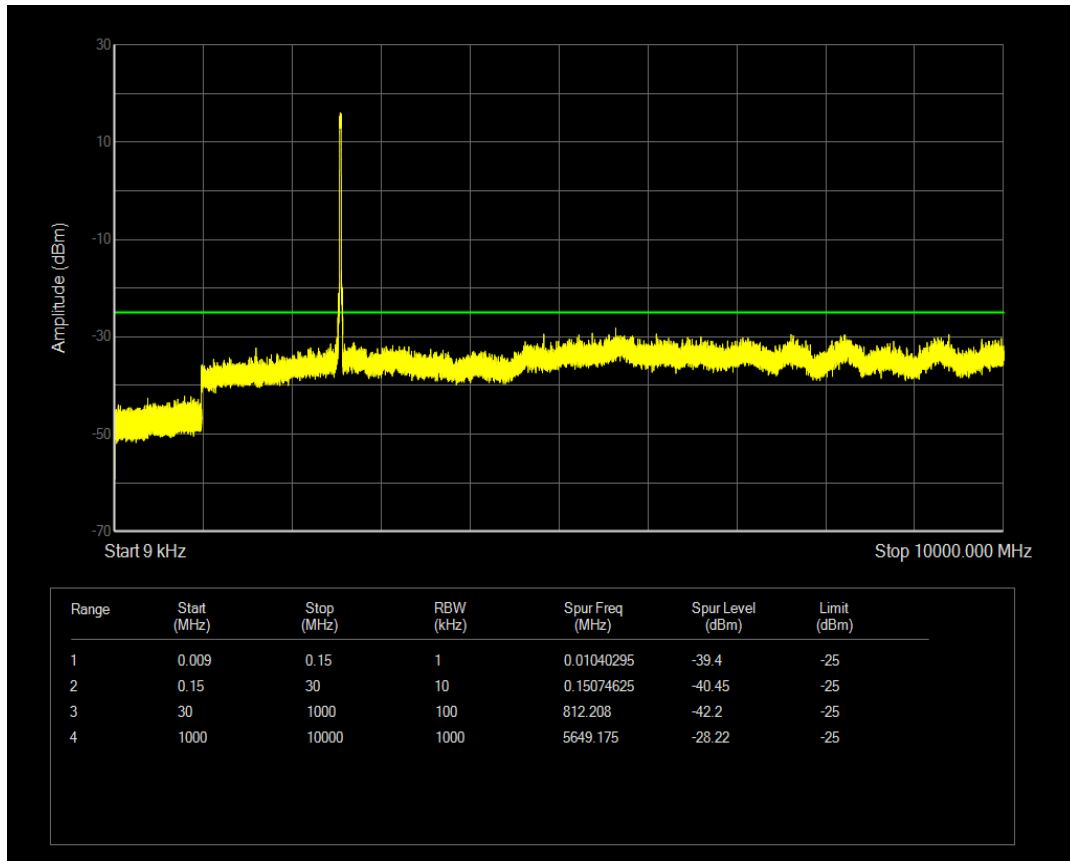


Band7 16QAM BW=20MHz Channel=21100 RB Size=100 Position=#0





Band7 QPSK BW=20MHz Channel=21350 RB Size=100 Position=#0



Band7 16QAM BW=20MHz Channel=21350 RB Size=100 Position=#0

