

# Appendix for Band 2

Report No.: BCTC2304073080-2E

Applicant: SEEWORLD Technology Co.,Ltd

Product Name: GPS Tracker

Model/Type  
reference: S21L

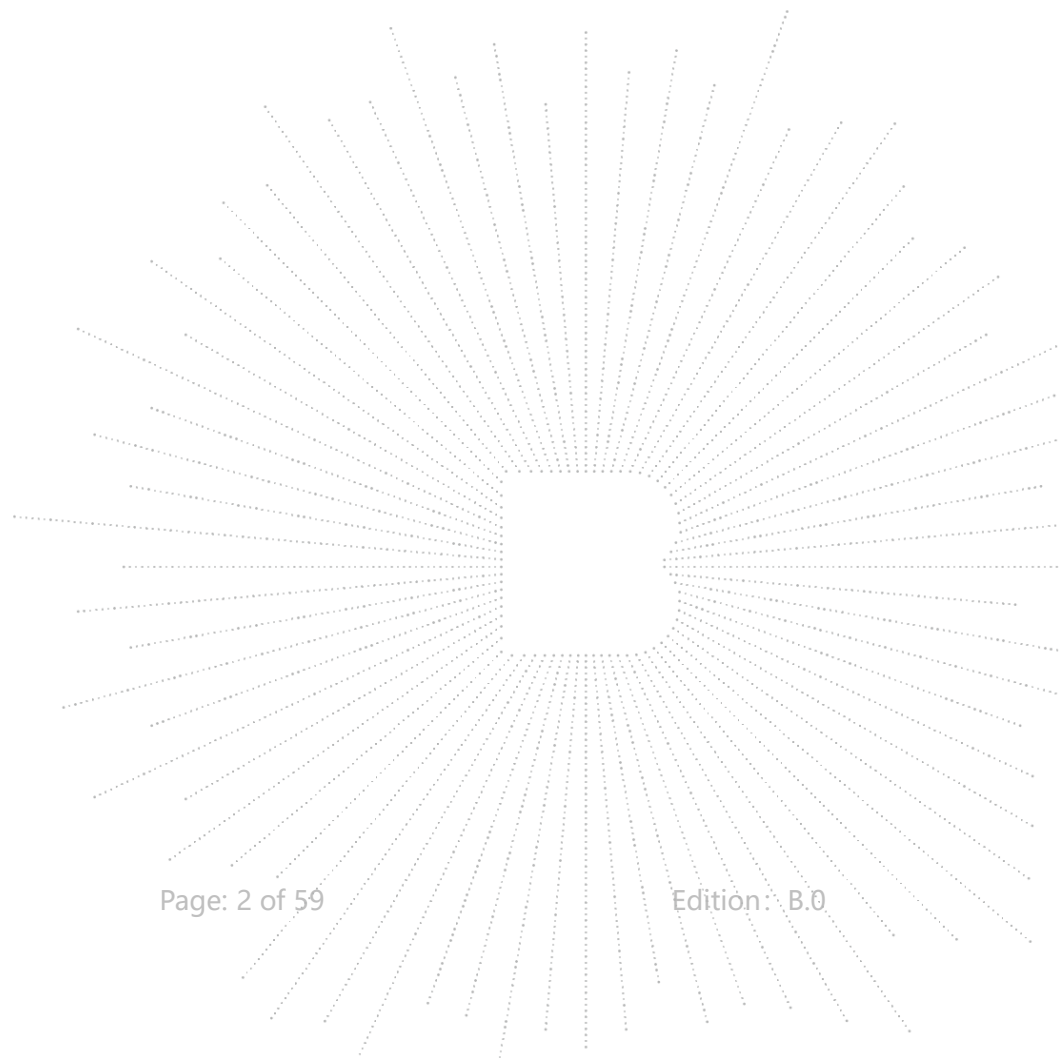
Tested Date: 2023-05-04 to 2023-05-31

Issued Date: 2023-06-01

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

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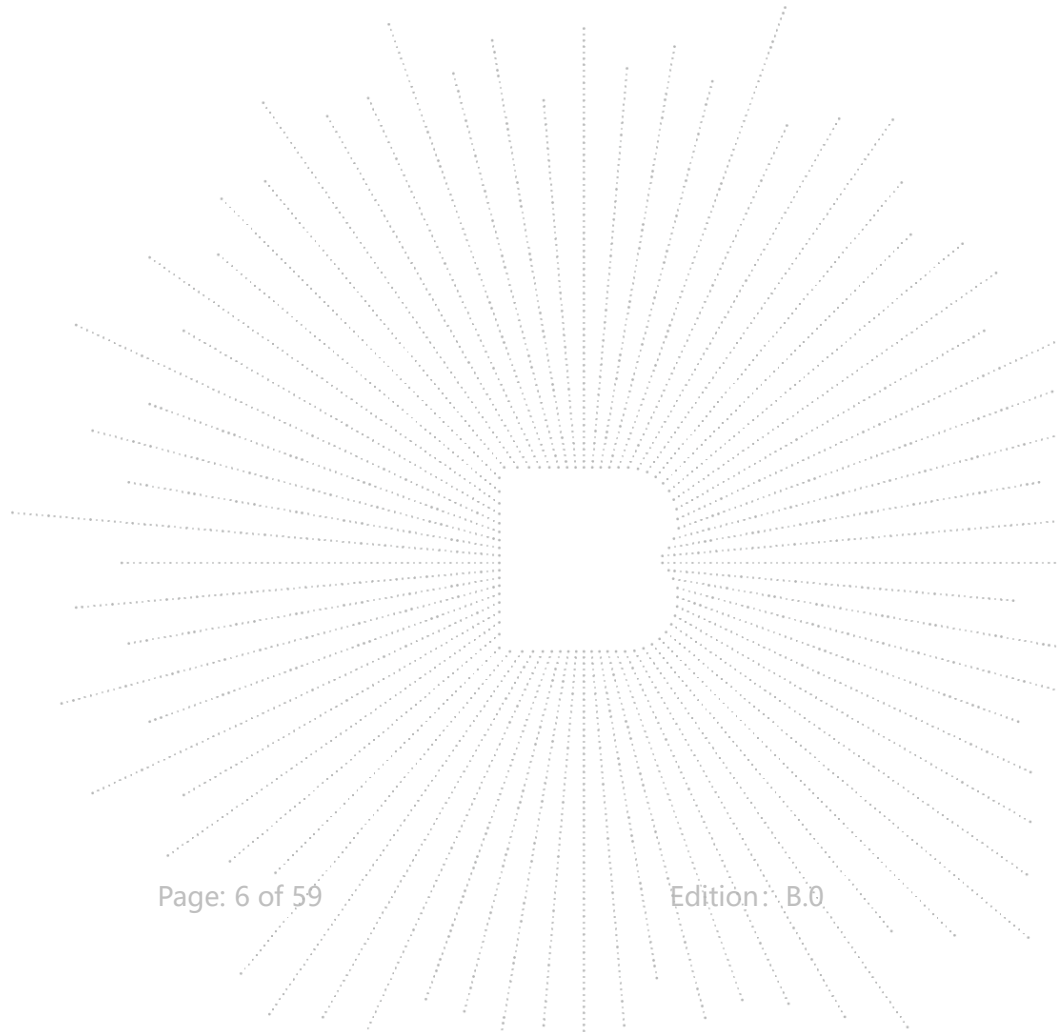
## Appendix 1. Conducted output power

| Band  | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Size | RB<br>Position | Modulation | Power<br>(dBm) | Gain<br>(dBm) | EIRP<br>(dBm) | Verdict |
|-------|--------------------|---------------|------------|----------------|------------|----------------|---------------|---------------|---------|
| Band2 | 1.4                | 18607         | 1          | #0             | QPSK       | 22.13          | 1.2           | 23.33         | PASS    |
| Band2 | 1.4                | 18607         | 1          | #Mid           | QPSK       | 22.08          | 1.2           | 23.28         | PASS    |
| Band2 | 1.4                | 18607         | 1          | #Max           | QPSK       | 22.02          | 1.2           | 23.22         | PASS    |
| Band2 | 1.4                | 18607         | 3          | #0             | QPSK       | 21.90          | 1.2           | 23.10         | PASS    |
| Band2 | 1.4                | 18607         | 3          | #Mid           | QPSK       | 21.90          | 1.2           | 23.10         | PASS    |
| Band2 | 1.4                | 18607         | 3          | #Max           | QPSK       | 21.90          | 1.2           | 23.10         | PASS    |
| Band2 | 1.4                | 18607         | 6          | #0             | QPSK       | 20.75          | 1.2           | 21.95         | PASS    |
| Band2 | 1.4                | 18607         | 1          | #0             | 16QAM      | 21.08          | 1.2           | 22.28         | PASS    |
| Band2 | 1.4                | 18607         | 1          | #Mid           | 16QAM      | 20.98          | 1.2           | 22.18         | PASS    |
| Band2 | 1.4                | 18607         | 1          | #Max           | 16QAM      | 21.01          | 1.2           | 22.21         | PASS    |
| Band2 | 1.4                | 18607         | 3          | #0             | 16QAM      | 21.04          | 1.2           | 22.24         | PASS    |
| Band2 | 1.4                | 18607         | 3          | #Mid           | 16QAM      | 21.04          | 1.2           | 22.24         | PASS    |
| Band2 | 1.4                | 18607         | 3          | #Max           | 16QAM      | 21.02          | 1.2           | 22.22         | PASS    |
| Band2 | 1.4                | 18607         | 6          | #0             | 16QAM      | 20.01          | 1.2           | 21.21         | PASS    |
| Band2 | 1.4                | 18900         | 1          | #0             | QPSK       | 20.41          | 1.2           | 21.61         | PASS    |
| Band2 | 1.4                | 18900         | 1          | #Mid           | QPSK       | 20.40          | 1.2           | 21.60         | PASS    |
| Band2 | 1.4                | 18900         | 1          | #Max           | QPSK       | 20.34          | 1.2           | 21.54         | PASS    |
| Band2 | 1.4                | 18900         | 3          | #0             | QPSK       | 20.38          | 1.2           | 21.58         | PASS    |
| Band2 | 1.4                | 18900         | 3          | #Mid           | QPSK       | 20.35          | 1.2           | 21.55         | PASS    |
| Band2 | 1.4                | 18900         | 3          | #Max           | QPSK       | 20.31          | 1.2           | 21.51         | PASS    |
| Band2 | 1.4                | 18900         | 6          | #0             | QPSK       | 19.30          | 1.2           | 20.50         | PASS    |
| Band2 | 1.4                | 18900         | 1          | #0             | 16QAM      | 19.58          | 1.2           | 20.78         | PASS    |
| Band2 | 1.4                | 18900         | 1          | #Mid           | 16QAM      | 19.53          | 1.2           | 20.73         | PASS    |
| Band2 | 1.4                | 18900         | 1          | #Max           | 16QAM      | 19.52          | 1.2           | 20.72         | PASS    |
| Band2 | 1.4                | 18900         | 3          | #0             | 16QAM      | 19.59          | 1.2           | 20.79         | PASS    |
| Band2 | 1.4                | 18900         | 3          | #Mid           | 16QAM      | 19.59          | 1.2           | 20.79         | PASS    |
| Band2 | 1.4                | 18900         | 3          | #Max           | 16QAM      | 19.55          | 1.2           | 20.75         | PASS    |
| Band2 | 1.4                | 18900         | 6          | #0             | 16QAM      | 18.46          | 1.2           | 19.66         | PASS    |
| Band2 | 1.4                | 19193         | 1          | #0             | QPSK       | 20.47          | 1.2           | 21.67         | PASS    |
| Band2 | 1.4                | 19193         | 1          | #Mid           | QPSK       | 20.28          | 1.2           | 21.48         | PASS    |
| Band2 | 1.4                | 19193         | 1          | #Max           | QPSK       | 20.02          | 1.2           | 21.22         | PASS    |
| Band2 | 1.4                | 19193         | 3          | #0             | QPSK       | 20.24          | 1.2           | 21.44         | PASS    |
| Band2 | 1.4                | 19193         | 3          | #Mid           | QPSK       | 20.19          | 1.2           | 21.39         | PASS    |
| Band2 | 1.4                | 19193         | 3          | #Max           | QPSK       | 20.02          | 1.2           | 21.22         | PASS    |
| Band2 | 1.4                | 19193         | 6          | #0             | QPSK       | 18.98          | 1.2           | 20.18         | PASS    |
| Band2 | 1.4                | 19193         | 1          | #0             | 16QAM      | 19.12          | 1.2           | 20.32         | PASS    |
| Band2 | 1.4                | 19193         | 1          | #Mid           | 16QAM      | 18.99          | 1.2           | 20.19         | PASS    |
| Band2 | 1.4                | 19193         | 1          | #Max           | 16QAM      | 18.79          | 1.2           | 19.99         | PASS    |

|       |     |       |    |      |       |       |     |       |      |
|-------|-----|-------|----|------|-------|-------|-----|-------|------|
| Band2 | 1.4 | 19193 | 3  | #0   | 16QAM | 19.30 | 1.2 | 20.50 | PASS |
| Band2 | 1.4 | 19193 | 3  | #Mid | 16QAM | 19.21 | 1.2 | 20.41 | PASS |
| Band2 | 1.4 | 19193 | 3  | #Max | 16QAM | 19.11 | 1.2 | 20.31 | PASS |
| Band2 | 1.4 | 19193 | 6  | #0   | 16QAM | 18.33 | 1.2 | 19.53 | PASS |
| Band2 | 3   | 18615 | 1  | #0   | QPSK  | 21.85 | 1.2 | 23.05 | PASS |
| Band2 | 3   | 18615 | 1  | #Mid | QPSK  | 21.92 | 1.2 | 23.12 | PASS |
| Band2 | 3   | 18615 | 1  | #Max | QPSK  | 21.67 | 1.2 | 22.87 | PASS |
| Band2 | 3   | 18615 | 8  | #0   | QPSK  | 20.69 | 1.2 | 21.89 | PASS |
| Band2 | 3   | 18615 | 8  | #Mid | QPSK  | 20.72 | 1.2 | 21.92 | PASS |
| Band2 | 3   | 18615 | 8  | #Max | QPSK  | 20.61 | 1.2 | 21.81 | PASS |
| Band2 | 3   | 18615 | 15 | #0   | QPSK  | 20.65 | 1.2 | 21.85 | PASS |
| Band2 | 3   | 18615 | 1  | #0   | 16QAM | 21.13 | 1.2 | 22.33 | PASS |
| Band2 | 3   | 18615 | 1  | #Mid | 16QAM | 21.20 | 1.2 | 22.40 | PASS |
| Band2 | 3   | 18615 | 1  | #Max | 16QAM | 21.08 | 1.2 | 22.28 | PASS |
| Band2 | 3   | 18615 | 8  | #0   | 16QAM | 19.77 | 1.2 | 20.97 | PASS |
| Band2 | 3   | 18615 | 8  | #Mid | 16QAM | 19.74 | 1.2 | 20.94 | PASS |
| Band2 | 3   | 18615 | 8  | #Max | 16QAM | 19.74 | 1.2 | 20.94 | PASS |
| Band2 | 3   | 18615 | 15 | #0   | 16QAM | 19.72 | 1.2 | 20.92 | PASS |
| Band2 | 3   | 18900 | 1  | #0   | QPSK  | 20.38 | 1.2 | 21.58 | PASS |
| Band2 | 3   | 18900 | 1  | #Mid | QPSK  | 20.32 | 1.2 | 21.52 | PASS |
| Band2 | 3   | 18900 | 1  | #Max | QPSK  | 20.25 | 1.2 | 21.45 | PASS |
| Band2 | 3   | 18900 | 8  | #0   | QPSK  | 19.38 | 1.2 | 20.58 | PASS |
| Band2 | 3   | 18900 | 8  | #Mid | QPSK  | 19.26 | 1.2 | 20.46 | PASS |
| Band2 | 3   | 18900 | 8  | #Max | QPSK  | 19.31 | 1.2 | 20.51 | PASS |
| Band2 | 3   | 18900 | 15 | #0   | QPSK  | 19.32 | 1.2 | 20.52 | PASS |
| Band2 | 3   | 18900 | 1  | #0   | 16QAM | 19.64 | 1.2 | 20.84 | PASS |
| Band2 | 3   | 18900 | 1  | #Mid | 16QAM | 19.63 | 1.2 | 20.83 | PASS |
| Band2 | 3   | 18900 | 1  | #Max | 16QAM | 19.50 | 1.2 | 20.70 | PASS |
| Band2 | 3   | 18900 | 8  | #0   | 16QAM | 18.41 | 1.2 | 19.61 | PASS |
| Band2 | 3   | 18900 | 8  | #Mid | 16QAM | 18.41 | 1.2 | 19.61 | PASS |
| Band2 | 3   | 18900 | 8  | #Max | 16QAM | 18.34 | 1.2 | 19.54 | PASS |
| Band2 | 3   | 18900 | 15 | #0   | 16QAM | 18.33 | 1.2 | 19.53 | PASS |
| Band2 | 3   | 19185 | 1  | #0   | QPSK  | 20.98 | 1.2 | 22.18 | PASS |
| Band2 | 3   | 19185 | 1  | #Mid | QPSK  | 20.03 | 1.2 | 21.23 | PASS |
| Band2 | 3   | 19185 | 1  | #Max | QPSK  | 20.00 | 1.2 | 21.20 | PASS |
| Band2 | 3   | 19185 | 8  | #0   | QPSK  | 19.64 | 1.2 | 20.84 | PASS |
| Band2 | 3   | 19185 | 8  | #Mid | QPSK  | 19.44 | 1.2 | 20.64 | PASS |
| Band2 | 3   | 19185 | 8  | #Max | QPSK  | 19.15 | 1.2 | 20.35 | PASS |
| Band2 | 3   | 19185 | 15 | #0   | QPSK  | 19.42 | 1.2 | 20.62 | PASS |
| Band2 | 3   | 19185 | 1  | #0   | 16QAM | 19.80 | 1.2 | 21.00 | PASS |
| Band2 | 3   | 19185 | 1  | #Mid | 16QAM | 19.05 | 1.2 | 20.25 | PASS |
| Band2 | 3   | 19185 | 1  | #Max | 16QAM | 18.89 | 1.2 | 20.09 | PASS |
| Band2 | 3   | 19185 | 8  | #0   | 16QAM | 18.69 | 1.2 | 19.89 | PASS |

|       |   |       |    |      |       |       |     |       |      |
|-------|---|-------|----|------|-------|-------|-----|-------|------|
| Band2 | 3 | 19185 | 8  | #Mid | 16QAM | 18.48 | 1.2 | 19.68 | PASS |
| Band2 | 3 | 19185 | 8  | #Max | 16QAM | 18.24 | 1.2 | 19.44 | PASS |
| Band2 | 3 | 19185 | 15 | #0   | 16QAM | 18.48 | 1.2 | 19.68 | PASS |
| Band2 | 5 | 18625 | 1  | #0   | QPSK  | 22.27 | 1.2 | 23.47 | PASS |
| Band2 | 5 | 18625 | 1  | #Mid | QPSK  | 22.11 | 1.2 | 23.31 | PASS |
| Band2 | 5 | 18625 | 1  | #Max | QPSK  | 22.10 | 1.2 | 23.30 | PASS |
| Band2 | 5 | 18625 | 12 | #0   | QPSK  | 20.79 | 1.2 | 21.99 | PASS |
| Band2 | 5 | 18625 | 12 | #Mid | QPSK  | 20.82 | 1.2 | 22.02 | PASS |
| Band2 | 5 | 18625 | 12 | #Max | QPSK  | 20.75 | 1.2 | 21.95 | PASS |
| Band2 | 5 | 18625 | 25 | #0   | QPSK  | 20.71 | 1.2 | 21.91 | PASS |
| Band2 | 5 | 18625 | 1  | #0   | 16QAM | 21.59 | 1.2 | 22.79 | PASS |
| Band2 | 5 | 18625 | 1  | #Mid | 16QAM | 21.54 | 1.2 | 22.74 | PASS |
| Band2 | 5 | 18625 | 1  | #Max | 16QAM | 21.52 | 1.2 | 22.72 | PASS |
| Band2 | 5 | 18625 | 12 | #0   | 16QAM | 19.94 | 1.2 | 21.14 | PASS |
| Band2 | 5 | 18625 | 12 | #Mid | 16QAM | 19.93 | 1.2 | 21.13 | PASS |
| Band2 | 5 | 18625 | 12 | #Max | 16QAM | 19.86 | 1.2 | 21.06 | PASS |
| Band2 | 5 | 18625 | 25 | #0   | 16QAM | 19.80 | 1.2 | 21.00 | PASS |
| Band2 | 5 | 18900 | 1  | #0   | QPSK  | 20.80 | 1.2 | 22.00 | PASS |
| Band2 | 5 | 18900 | 1  | #Mid | QPSK  | 20.46 | 1.2 | 21.66 | PASS |
| Band2 | 5 | 18900 | 1  | #Max | QPSK  | 20.49 | 1.2 | 21.69 | PASS |
| Band2 | 5 | 18900 | 12 | #0   | QPSK  | 19.47 | 1.2 | 20.67 | PASS |
| Band2 | 5 | 18900 | 12 | #Mid | QPSK  | 19.42 | 1.2 | 20.62 | PASS |
| Band2 | 5 | 18900 | 12 | #Max | QPSK  | 19.34 | 1.2 | 20.54 | PASS |
| Band2 | 5 | 18900 | 25 | #0   | QPSK  | 19.37 | 1.2 | 20.57 | PASS |
| Band2 | 5 | 18900 | 1  | #0   | 16QAM | 20.22 | 1.2 | 21.42 | PASS |
| Band2 | 5 | 18900 | 1  | #Mid | 16QAM | 19.83 | 1.2 | 21.03 | PASS |
| Band2 | 5 | 18900 | 1  | #Max | 16QAM | 19.92 | 1.2 | 21.12 | PASS |
| Band2 | 5 | 18900 | 12 | #0   | 16QAM | 18.51 | 1.2 | 19.71 | PASS |
| Band2 | 5 | 18900 | 12 | #Mid | 16QAM | 18.46 | 1.2 | 19.66 | PASS |
| Band2 | 5 | 18900 | 12 | #Max | 16QAM | 18.38 | 1.2 | 19.58 | PASS |
| Band2 | 5 | 18900 | 25 | #0   | 16QAM | 18.44 | 1.2 | 19.64 | PASS |
| Band2 | 5 | 19175 | 1  | #0   | QPSK  | 21.73 | 1.2 | 22.93 | PASS |
| Band2 | 5 | 19175 | 1  | #Mid | QPSK  | 20.37 | 1.2 | 21.57 | PASS |
| Band2 | 5 | 19175 | 1  | #Max | QPSK  | 20.23 | 1.2 | 21.43 | PASS |
| Band2 | 5 | 19175 | 12 | #0   | QPSK  | 20.23 | 1.2 | 21.43 | PASS |
| Band2 | 5 | 19175 | 12 | #Mid | QPSK  | 19.93 | 1.2 | 21.13 | PASS |
| Band2 | 5 | 19175 | 12 | #Max | QPSK  | 19.43 | 1.2 | 20.63 | PASS |
| Band2 | 5 | 19175 | 25 | #0   | QPSK  | 19.83 | 1.2 | 21.03 | PASS |
| Band2 | 5 | 19175 | 1  | #0   | 16QAM | 20.99 | 1.2 | 22.19 | PASS |
| Band2 | 5 | 19175 | 1  | #Mid | 16QAM | 20.45 | 1.2 | 21.65 | PASS |
| Band2 | 5 | 19175 | 1  | #Max | 16QAM | 19.67 | 1.2 | 20.87 | PASS |
| Band2 | 5 | 19175 | 12 | #0   | 16QAM | 19.30 | 1.2 | 20.50 | PASS |
| Band2 | 5 | 19175 | 12 | #Mid | 16QAM | 19.06 | 1.2 | 20.26 | PASS |

|       |    |       |    |      |       |       |     |       |      |
|-------|----|-------|----|------|-------|-------|-----|-------|------|
| Band2 | 5  | 19175 | 12 | #Max | 16QAM | 18.47 | 1.2 | 19.67 | PASS |
| Band2 | 5  | 19175 | 25 | #0   | 16QAM | 18.92 | 1.2 | 20.12 | PASS |
| Band2 | 10 | 18650 | 1  | #0   | QPSK  | 22.22 | 1.2 | 23.42 | PASS |
| Band2 | 10 | 18650 | 1  | #Mid | QPSK  | 22.02 | 1.2 | 23.22 | PASS |
| Band2 | 10 | 18650 | 1  | #Max | QPSK  | 22.13 | 1.2 | 23.33 | PASS |
| Band2 | 10 | 18650 | 25 | #0   | QPSK  | 20.59 | 1.2 | 21.79 | PASS |
| Band2 | 10 | 18650 | 25 | #Mid | QPSK  | 20.68 | 1.2 | 21.88 | PASS |
| Band2 | 10 | 18650 | 25 | #Max | QPSK  | 20.64 | 1.2 | 21.84 | PASS |
| Band2 | 10 | 18650 | 50 | #0   | QPSK  | 20.57 | 1.2 | 21.77 | PASS |
| Band2 | 10 | 18900 | 1  | #0   | QPSK  | 21.21 | 1.2 | 22.41 | PASS |
| Band2 | 10 | 18900 | 1  | #Mid | QPSK  | 20.43 | 1.2 | 21.63 | PASS |
| Band2 | 10 | 18900 | 1  | #Max | QPSK  | 20.64 | 1.2 | 21.84 | PASS |
| Band2 | 10 | 18900 | 25 | #0   | QPSK  | 19.51 | 1.2 | 20.71 | PASS |
| Band2 | 10 | 18900 | 25 | #Mid | QPSK  | 19.39 | 1.2 | 20.59 | PASS |
| Band2 | 10 | 18900 | 25 | #Max | QPSK  | 19.26 | 1.2 | 20.46 | PASS |
| Band2 | 10 | 18900 | 50 | #0   | QPSK  | 19.26 | 1.2 | 20.46 | PASS |
| Band2 | 10 | 19150 | 1  | #0   | QPSK  | 22.00 | 1.2 | 23.20 | PASS |
| Band2 | 10 | 19150 | 1  | #Mid | QPSK  | 21.72 | 1.2 | 22.92 | PASS |
| Band2 | 10 | 19150 | 1  | #Max | QPSK  | 20.45 | 1.2 | 21.65 | PASS |
| Band2 | 10 | 19150 | 25 | #0   | QPSK  | 20.63 | 1.2 | 21.83 | PASS |
| Band2 | 10 | 19150 | 25 | #Mid | QPSK  | 20.53 | 1.2 | 21.73 | PASS |
| Band2 | 10 | 19150 | 25 | #Max | QPSK  | 19.84 | 1.2 | 21.04 | PASS |
| Band2 | 10 | 19150 | 50 | #0   | QPSK  | 20.24 | 1.2 | 21.44 | PASS |



## Appendix 2. Frequency stability

| Band   | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Voltage (Vdc) | Temperature (C) | Result (Hz) | Result (ppm) | Low Limit (ppm) | High Limit (ppm) | Verdict |
|--------|-----------------|------------|---------|-------------|------------|---------------|-----------------|-------------|--------------|-----------------|------------------|---------|
| Band 2 | 1.4             | 18607      | 6       | #0          | QPSK       | LV            | NT              | 5.89        | 0.003        | -2.5            | 2.5              | PASS    |
| Band 2 | 1.4             | 18607      | 6       | #0          | QPSK       | NV            | NT              | 4.65        | 0.003        | -2.5            | 2.5              | PASS    |
| Band 2 | 1.4             | 18607      | 6       | #0          | QPSK       | HV            | NT              | 2.90        | 0.002        | -2.5            | 2.5              | PASS    |
| Band 2 | 1.4             | 18607      | 6       | #0          | 16QAM      | LV            | NT              | -9.03       | -0.005       | -2.5            | 2.5              | PASS    |
| Band 2 | 1.4             | 18607      | 6       | #0          | 16QAM      | NV            | NT              | 19.17       | 0.010        | -2.5            | 2.5              | PASS    |
| Band 2 | 1.4             | 18607      | 6       | #0          | 16QAM      | HV            | NT              | 9.30        | 0.005        | -2.5            | 2.5              | PASS    |
| Band 2 | 1.4             | 18900      | 6       | #0          | QPSK       | LV            | NT              | -0.09       | 0.000        | -2.5            | 2.5              | PASS    |
| Band 2 | 1.4             | 18900      | 6       | #0          | QPSK       | NV            | NT              | 2.13        | 0.001        | -2.5            | 2.5              | PASS    |
| Band 2 | 1.4             | 18900      | 6       | #0          | QPSK       | HV            | NT              | 4.48        | 0.002        | -2.5            | 2.5              | PASS    |
| Band 2 | 1.4             | 18900      | 6       | #0          | 16QAM      | LV            | NT              | -1.57       | -0.001       | -2.5            | 2.5              | PASS    |
| Band 2 | 1.4             | 18900      | 6       | #0          | 16QAM      | NV            | NT              | -10.31      | -0.005       | -2.5            | 2.5              | PASS    |
| Band 2 | 1.4             | 18900      | 6       | #0          | 16QAM      | HV            | NT              | 3.58        | 0.002        | -2.5            | 2.5              | PASS    |
| Band 2 | 1.4             | 19193      | 6       | #0          | QPSK       | LV            | NT              | -6.18       | -0.003       | -2.5            | 2.5              | PASS    |
| Band 2 | 1.4             | 19193      | 6       | #0          | QPSK       | NV            | NT              | 2.72        | 0.001        | -2.5            | 2.5              | PASS    |
| Band 2 | 1.4             | 19193      | 6       | #0          | QPSK       | HV            | NT              | 1.72        | 0.001        | -2.5            | 2.5              | PASS    |
| Band 2 | 1.4             | 19193      | 6       | #0          | 16QAM      | LV            | NT              | -4.21       | -0.002       | -2.5            | 2.5              | PASS    |
| Band 2 | 1.4             | 19193      | 6       | #0          | 16QAM      | NV            | NT              | 5.79        | 0.003        | -2.5            | 2.5              | PASS    |
| Band 2 | 1.4             | 19193      | 6       | #0          | 16QAM      | HV            | NT              | 2.53        | 0.001        | -2.5            | 2.5              | PASS    |

|        |   |       |    |    |       |    |    |        |        |      |     |      |
|--------|---|-------|----|----|-------|----|----|--------|--------|------|-----|------|
| Band 2 | 3 | 18615 | 15 | #0 | QPSK  | LV | NT | 1.06   | 0.001  | -2.5 | 2.5 | PASS |
| Band 2 | 3 | 18615 | 15 | #0 | QPSK  | NV | NT | 9.57   | 0.005  | -2.5 | 2.5 | PASS |
| Band 2 | 3 | 18615 | 15 | #0 | QPSK  | HV | NT | 11.29  | 0.006  | -2.5 | 2.5 | PASS |
| Band 2 | 3 | 18615 | 15 | #0 | 16QAM | LV | NT | 15.65  | 0.008  | -2.5 | 2.5 | PASS |
| Band 2 | 3 | 18615 | 15 | #0 | 16QAM | NV | NT | 8.60   | 0.005  | -2.5 | 2.5 | PASS |
| Band 2 | 3 | 18615 | 15 | #0 | 16QAM | HV | NT | 5.18   | 0.003  | -2.5 | 2.5 | PASS |
| Band 2 | 3 | 18900 | 15 | #0 | QPSK  | LV | NT | -10.11 | -0.005 | -2.5 | 2.5 | PASS |
| Band 2 | 3 | 18900 | 15 | #0 | QPSK  | NV | NT | 0.47   | 0.000  | -2.5 | 2.5 | PASS |
| Band 2 | 3 | 18900 | 15 | #0 | QPSK  | HV | NT | 7.40   | 0.004  | -2.5 | 2.5 | PASS |
| Band 2 | 3 | 18900 | 15 | #0 | 16QAM | LV | NT | -5.76  | -0.003 | -2.5 | 2.5 | PASS |
| Band 2 | 3 | 18900 | 15 | #0 | 16QAM | NV | NT | -3.96  | -0.002 | -2.5 | 2.5 | PASS |
| Band 2 | 3 | 18900 | 15 | #0 | 16QAM | HV | NT | -5.04  | -0.003 | -2.5 | 2.5 | PASS |
| Band 2 | 3 | 19185 | 15 | #0 | QPSK  | LV | NT | -18.14 | -0.010 | -2.5 | 2.5 | PASS |
| Band 2 | 3 | 19185 | 15 | #0 | QPSK  | NV | NT | -16.97 | -0.009 | -2.5 | 2.5 | PASS |
| Band 2 | 3 | 19185 | 15 | #0 | QPSK  | HV | NT | -5.06  | -0.003 | -2.5 | 2.5 | PASS |
| Band 2 | 3 | 19185 | 15 | #0 | 16QAM | LV | NT | -13.98 | -0.007 | -2.5 | 2.5 | PASS |
| Band 2 | 3 | 19185 | 15 | #0 | 16QAM | NV | NT | -9.61  | -0.005 | -2.5 | 2.5 | PASS |
| Band 2 | 3 | 19185 | 15 | #0 | 16QAM | HV | NT | -1.32  | -0.001 | -2.5 | 2.5 | PASS |
| Band 2 | 5 | 18625 | 25 | #0 | QPSK  | LV | NT | 3.29   | 0.002  | -2.5 | 2.5 | PASS |
| Band 2 | 5 | 18625 | 25 | #0 | QPSK  | NV | NT | -3.53  | -0.002 | -2.5 | 2.5 | PASS |
| Band 2 | 5 | 18625 | 25 | #0 | QPSK  | HV | NT | -9.48  | -0.005 | -2.5 | 2.5 | PASS |
| Band 2 | 5 | 18625 | 25 | #0 | 16QAM | LV | NT | -2.07  | -0.00  | -2.5 | 2.5 | PASS |



|        |    |       |    |    |       |    |    |        |        |      |     |      |
|--------|----|-------|----|----|-------|----|----|--------|--------|------|-----|------|
| 2      |    |       |    |    |       |    |    |        | 1      |      |     |      |
| Band 2 | 5  | 18625 | 25 | #0 | 16QAM | NV | NT | -6.47  | -0.003 | -2.5 | 2.5 | PASS |
| Band 2 | 5  | 18625 | 25 | #0 | 16QAM | HV | NT | -5.74  | -0.003 | -2.5 | 2.5 | PASS |
| Band 2 | 5  | 18900 | 25 | #0 | QPSK  | LV | NT | -2.78  | -0.001 | -2.5 | 2.5 | PASS |
| Band 2 | 5  | 18900 | 25 | #0 | QPSK  | NV | NT | -5.21  | -0.003 | -2.5 | 2.5 | PASS |
| Band 2 | 5  | 18900 | 25 | #0 | QPSK  | HV | NT | -14.81 | -0.008 | -2.5 | 2.5 | PASS |
| Band 2 | 5  | 18900 | 25 | #0 | 16QAM | LV | NT | 3.20   | 0.002  | -2.5 | 2.5 | PASS |
| Band 2 | 5  | 18900 | 25 | #0 | 16QAM | NV | NT | 6.07   | 0.003  | -2.5 | 2.5 | PASS |
| Band 2 | 5  | 18900 | 25 | #0 | 16QAM | HV | NT | -7.20  | -0.004 | -2.5 | 2.5 | PASS |
| Band 2 | 5  | 19175 | 25 | #0 | QPSK  | LV | NT | -6.35  | -0.003 | -2.5 | 2.5 | PASS |
| Band 2 | 5  | 19175 | 25 | #0 | QPSK  | NV | NT | -4.38  | -0.002 | -2.5 | 2.5 | PASS |
| Band 2 | 5  | 19175 | 25 | #0 | QPSK  | HV | NT | -5.35  | -0.003 | -2.5 | 2.5 | PASS |
| Band 2 | 5  | 19175 | 25 | #0 | 16QAM | LV | NT | 5.31   | 0.003  | -2.5 | 2.5 | PASS |
| Band 2 | 5  | 19175 | 25 | #0 | 16QAM | NV | NT | 1.65   | 0.001  | -2.5 | 2.5 | PASS |
| Band 2 | 5  | 19175 | 25 | #0 | 16QAM | HV | NT | 0.30   | 0.000  | -2.5 | 2.5 | PASS |
| Band 2 | 10 | 18650 | 50 | #0 | QPSK  | LV | NT | -0.53  | 0.000  | -2.5 | 2.5 | PASS |
| Band 2 | 10 | 18650 | 50 | #0 | QPSK  | NV | NT | 0.92   | 0.000  | -2.5 | 2.5 | PASS |
| Band 2 | 10 | 18650 | 50 | #0 | QPSK  | HV | NT | -7.18  | -0.004 | -2.5 | 2.5 | PASS |
| Band 2 | 10 | 18900 | 50 | #0 | QPSK  | LV | NT | 1.24   | 0.001  | -2.5 | 2.5 | PASS |
| Band 2 | 10 | 18900 | 50 | #0 | QPSK  | NV | NT | -2.29  | -0.001 | -2.5 | 2.5 | PASS |
| Band 2 | 10 | 18900 | 50 | #0 | QPSK  | HV | NT | -8.35  | -0.004 | -2.5 | 2.5 | PASS |
| Band 2 | 10 | 19150 | 50 | #0 | QPSK  | LV | NT | -0.11  | 0.000  | -2.5 | 2.5 | PASS |

|           |    |       |    |    |      |    |    |            |            |      |     |      |
|-----------|----|-------|----|----|------|----|----|------------|------------|------|-----|------|
| Band<br>2 | 10 | 19150 | 50 | #0 | QPSK | NV | NT | -13.2<br>9 | -0.00<br>7 | -2.5 | 2.5 | PASS |
| Band<br>2 | 10 | 19150 | 50 | #0 | QPSK | HV | NT | -12.7<br>6 | -0.00<br>7 | -2.5 | 2.5 | PASS |

| Band   | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Size | RB<br>Position | Modulation | Voltage (Vdc) | Temperature (C) | Result (Hz) | Result (ppm) | Low Limit (ppm) | High Limit (ppm) | Verdict |
|--------|--------------------|---------------|------------|----------------|------------|---------------|-----------------|-------------|--------------|-----------------|------------------|---------|
| Band 2 | 1.4                | 18607         | 6          | #0             | QPSK       | NV            | -30             | 0.43        | 0.000        | -2.5            | 2.5              | PASS    |
| Band 2 | 1.4                | 18607         | 6          | #0             | QPSK       | NV            | -20             | -6.02       | -0.003       | -2.5            | 2.5              | PASS    |
| Band 2 | 1.4                | 18607         | 6          | #0             | QPSK       | NV            | 0               | -3.08       | -0.002       | -2.5            | 2.5              | PASS    |
| Band 2 | 1.4                | 18607         | 6          | #0             | QPSK       | NV            | 10              | -7.94       | -0.004       | -2.5            | 2.5              | PASS    |
| Band 2 | 1.4                | 18607         | 6          | #0             | QPSK       | NV            | 20              | -8.71       | -0.005       | -2.5            | 2.5              | PASS    |
| Band 2 | 1.4                | 18607         | 6          | #0             | 16QAM      | NV            | -30             | 3.16        | 0.002        | -2.5            | 2.5              | PASS    |
| Band 2 | 1.4                | 18607         | 6          | #0             | 16QAM      | NV            | -20             | -14.23      | -0.008       | -2.5            | 2.5              | PASS    |
| Band 2 | 1.4                | 18607         | 6          | #0             | 16QAM      | NV            | 0               | -0.99       | -0.001       | -2.5            | 2.5              | PASS    |
| Band 2 | 1.4                | 18607         | 6          | #0             | 16QAM      | NV            | 10              | -7.74       | -0.004       | -2.5            | 2.5              | PASS    |
| Band 2 | 1.4                | 18607         | 6          | #0             | 16QAM      | NV            | 20              | -7.07       | -0.004       | -2.5            | 2.5              | PASS    |
| Band 2 | 1.4                | 18900         | 6          | #0             | QPSK       | NV            | -30             | -0.76       | 0.000        | -2.5            | 2.5              | PASS    |
| Band 2 | 1.4                | 18900         | 6          | #0             | QPSK       | NV            | -20             | -2.93       | -0.002       | -2.5            | 2.5              | PASS    |
| Band 2 | 1.4                | 18900         | 6          | #0             | QPSK       | NV            | 0               | 5.38        | 0.003        | -2.5            | 2.5              | PASS    |
| Band 2 | 1.4                | 18900         | 6          | #0             | QPSK       | NV            | 10              | 4.88        | 0.003        | -2.5            | 2.5              | PASS    |
| Band 2 | 1.4                | 18900         | 6          | #0             | QPSK       | NV            | 20              | -11.14      | -0.006       | -2.5            | 2.5              | PASS    |
| Band 2 | 1.4                | 18900         | 6          | #0             | 16QAM      | NV            | -30             | -20.27      | -0.011       | -2.5            | 2.5              | PASS    |
| Band 2 | 1.4                | 18900         | 6          | #0             | 16QAM      | NV            | -20             | -20.86      | -0.011       | -2.5            | 2.5              | PASS    |

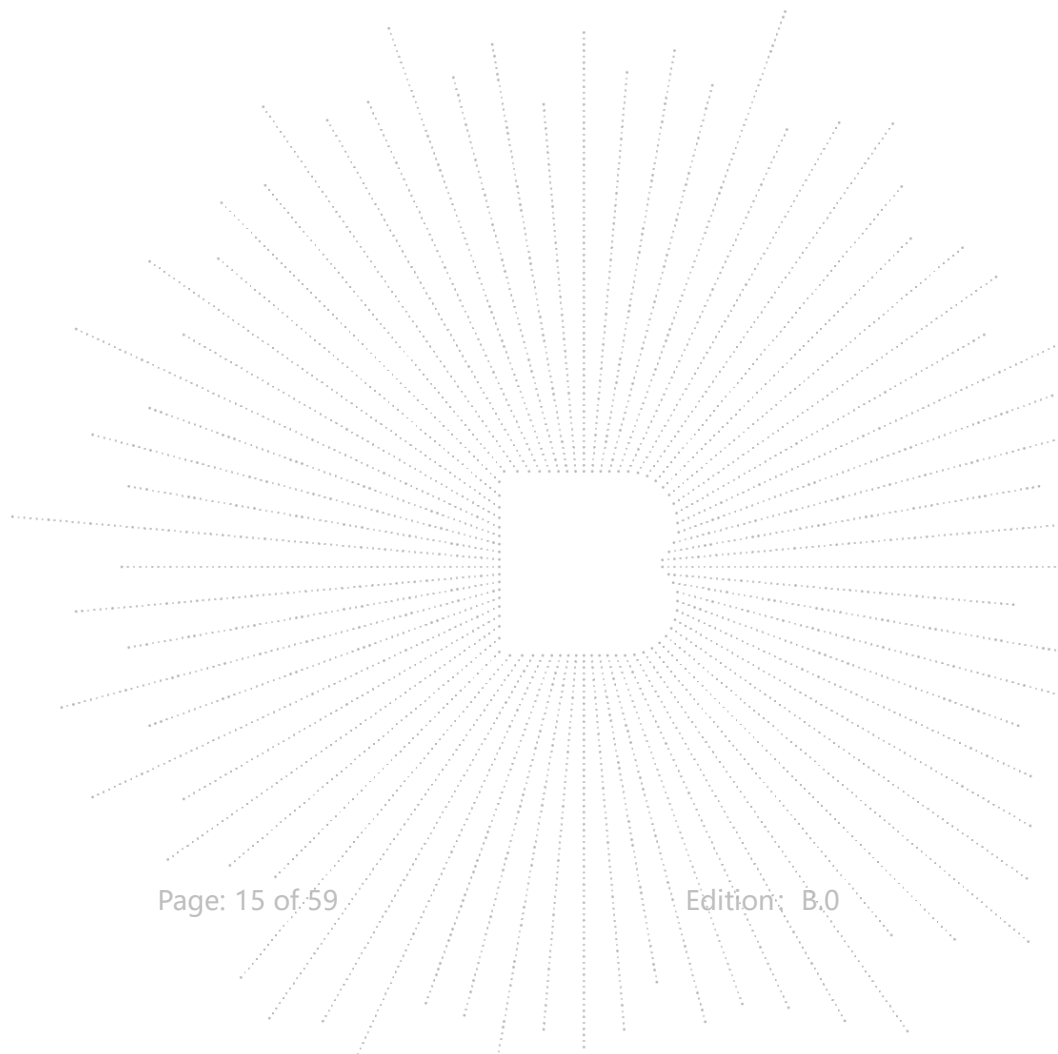
|           |     |       |    |    |       |    |     |            |            |      |     |      |
|-----------|-----|-------|----|----|-------|----|-----|------------|------------|------|-----|------|
| Band<br>2 | 1.4 | 18900 | 6  | #0 | 16QAM | NV | 0   | -9.57      | -0.00<br>5 | -2.5 | 2.5 | PASS |
| Band<br>2 | 1.4 | 18900 | 6  | #0 | 16QAM | NV | 10  | -9.26      | -0.00<br>5 | -2.5 | 2.5 | PASS |
| Band<br>2 | 1.4 | 18900 | 6  | #0 | 16QAM | NV | 20  | -20.6<br>1 | -0.011     | -2.5 | 2.5 | PASS |
| Band<br>2 | 1.4 | 19193 | 6  | #0 | QPSK  | NV | -30 | -1.96      | -0.00<br>1 | -2.5 | 2.5 | PASS |
| Band<br>2 | 1.4 | 19193 | 6  | #0 | QPSK  | NV | -20 | -2.70      | -0.00<br>1 | -2.5 | 2.5 | PASS |
| Band<br>2 | 1.4 | 19193 | 6  | #0 | QPSK  | NV | 0   | -8.84      | -0.00<br>5 | -2.5 | 2.5 | PASS |
| Band<br>2 | 1.4 | 19193 | 6  | #0 | QPSK  | NV | 10  | -16.9<br>7 | -0.00<br>9 | -2.5 | 2.5 | PASS |
| Band<br>2 | 1.4 | 19193 | 6  | #0 | QPSK  | NV | 20  | -9.01      | -0.00<br>5 | -2.5 | 2.5 | PASS |
| Band<br>2 | 1.4 | 19193 | 6  | #0 | 16QAM | NV | -30 | 2.60       | 0.001      | -2.5 | 2.5 | PASS |
| Band<br>2 | 1.4 | 19193 | 6  | #0 | 16QAM | NV | -20 | -4.84      | -0.00<br>3 | -2.5 | 2.5 | PASS |
| Band<br>2 | 1.4 | 19193 | 6  | #0 | 16QAM | NV | 0   | -2.70      | -0.00<br>1 | -2.5 | 2.5 | PASS |
| Band<br>2 | 1.4 | 19193 | 6  | #0 | 16QAM | NV | 10  | -11.03     | -0.00<br>6 | -2.5 | 2.5 | PASS |
| Band<br>2 | 1.4 | 19193 | 6  | #0 | 16QAM | NV | 20  | -5.95      | -0.00<br>3 | -2.5 | 2.5 | PASS |
| Band<br>2 | 3   | 18615 | 15 | #0 | QPSK  | NV | -30 | -13.6<br>6 | -0.00<br>7 | -2.5 | 2.5 | PASS |
| Band<br>2 | 3   | 18615 | 15 | #0 | QPSK  | NV | -20 | -7.55      | -0.00<br>4 | -2.5 | 2.5 | PASS |
| Band<br>2 | 3   | 18615 | 15 | #0 | QPSK  | NV | 0   | -7.07      | -0.00<br>4 | -2.5 | 2.5 | PASS |
| Band<br>2 | 3   | 18615 | 15 | #0 | QPSK  | NV | 10  | 2.10       | 0.001      | -2.5 | 2.5 | PASS |
| Band<br>2 | 3   | 18615 | 15 | #0 | QPSK  | NV | 20  | -5.52      | -0.00<br>3 | -2.5 | 2.5 | PASS |
| Band<br>2 | 3   | 18615 | 15 | #0 | 16QAM | NV | -30 | -13.3<br>2 | -0.00<br>7 | -2.5 | 2.5 | PASS |
| Band<br>2 | 3   | 18615 | 15 | #0 | 16QAM | NV | -20 | -8.21      | -0.00<br>4 | -2.5 | 2.5 | PASS |
| Band<br>2 | 3   | 18615 | 15 | #0 | 16QAM | NV | 0   | -17.6<br>5 | -0.01<br>0 | -2.5 | 2.5 | PASS |
| Band      | 3   | 18615 | 15 | #0 | 16QAM | NV | 10  | -9.30      | -0.00      | -2.5 | 2.5 | PASS |

|        |   |       |    |    |       |    |     |        |        |      |     |      |
|--------|---|-------|----|----|-------|----|-----|--------|--------|------|-----|------|
| 2      |   |       |    |    |       |    |     | 5      |        |      |     |      |
| Band 2 | 3 | 18615 | 15 | #0 | 16QAM | NV | 20  | -7.01  | -0.004 | -2.5 | 2.5 | PASS |
| Band 2 | 3 | 18900 | 15 | #0 | QPSK  | NV | -30 | -17.92 | -0.010 | -2.5 | 2.5 | PASS |
| Band 2 | 3 | 18900 | 15 | #0 | QPSK  | NV | -20 | -10.29 | -0.005 | -2.5 | 2.5 | PASS |
| Band 2 | 3 | 18900 | 15 | #0 | QPSK  | NV | 0   | -4.92  | -0.003 | -2.5 | 2.5 | PASS |
| Band 2 | 3 | 18900 | 15 | #0 | QPSK  | NV | 10  | -13.36 | -0.007 | -2.5 | 2.5 | PASS |
| Band 2 | 3 | 18900 | 15 | #0 | QPSK  | NV | 20  | -9.60  | -0.005 | -2.5 | 2.5 | PASS |
| Band 2 | 3 | 18900 | 15 | #0 | 16QAM | NV | -30 | -11.37 | -0.006 | -2.5 | 2.5 | PASS |
| Band 2 | 3 | 18900 | 15 | #0 | 16QAM | NV | -20 | -3.48  | -0.002 | -2.5 | 2.5 | PASS |
| Band 2 | 3 | 18900 | 15 | #0 | 16QAM | NV | 0   | 3.89   | 0.002  | -2.5 | 2.5 | PASS |
| Band 2 | 3 | 18900 | 15 | #0 | 16QAM | NV | 10  | -10.44 | -0.006 | -2.5 | 2.5 | PASS |
| Band 2 | 3 | 18900 | 15 | #0 | 16QAM | NV | 20  | -1.19  | -0.001 | -2.5 | 2.5 | PASS |
| Band 2 | 3 | 19185 | 15 | #0 | QPSK  | NV | -30 | -6.62  | -0.003 | -2.5 | 2.5 | PASS |
| Band 2 | 3 | 19185 | 15 | #0 | QPSK  | NV | -20 | -8.11  | -0.004 | -2.5 | 2.5 | PASS |
| Band 2 | 3 | 19185 | 15 | #0 | QPSK  | NV | 0   | 5.12   | 0.003  | -2.5 | 2.5 | PASS |
| Band 2 | 3 | 19185 | 15 | #0 | QPSK  | NV | 10  | -16.59 | -0.009 | -2.5 | 2.5 | PASS |
| Band 2 | 3 | 19185 | 15 | #0 | QPSK  | NV | 20  | -12.27 | -0.006 | -2.5 | 2.5 | PASS |
| Band 2 | 3 | 19185 | 15 | #0 | 16QAM | NV | -30 | -19.78 | -0.010 | -2.5 | 2.5 | PASS |
| Band 2 | 3 | 19185 | 15 | #0 | 16QAM | NV | -20 | -7.58  | -0.004 | -2.5 | 2.5 | PASS |
| Band 2 | 3 | 19185 | 15 | #0 | 16QAM | NV | 0   | -17.62 | -0.009 | -2.5 | 2.5 | PASS |
| Band 2 | 3 | 19185 | 15 | #0 | 16QAM | NV | 10  | -17.78 | -0.009 | -2.5 | 2.5 | PASS |
| Band 2 | 3 | 19185 | 15 | #0 | 16QAM | NV | 20  | -10.20 | -0.005 | -2.5 | 2.5 | PASS |

|           |   |       |    |    |       |    |     |            |            |      |     |      |
|-----------|---|-------|----|----|-------|----|-----|------------|------------|------|-----|------|
| Band<br>2 | 5 | 18625 | 25 | #0 | QPSK  | NV | -30 | -12.7<br>2 | -0.00<br>7 | -2.5 | 2.5 | PASS |
| Band<br>2 | 5 | 18625 | 25 | #0 | QPSK  | NV | -20 | -16.2<br>4 | -0.00<br>9 | -2.5 | 2.5 | PASS |
| Band<br>2 | 5 | 18625 | 25 | #0 | QPSK  | NV | 0   | -8.61      | -0.00<br>5 | -2.5 | 2.5 | PASS |
| Band<br>2 | 5 | 18625 | 25 | #0 | QPSK  | NV | 10  | -4.22      | -0.00<br>2 | -2.5 | 2.5 | PASS |
| Band<br>2 | 5 | 18625 | 25 | #0 | QPSK  | NV | 20  | -14.5<br>6 | -0.00<br>8 | -2.5 | 2.5 | PASS |
| Band<br>2 | 5 | 18625 | 25 | #0 | 16QAM | NV | -30 | -13.7<br>9 | -0.00<br>7 | -2.5 | 2.5 | PASS |
| Band<br>2 | 5 | 18625 | 25 | #0 | 16QAM | NV | -20 | -1.17      | -0.00<br>1 | -2.5 | 2.5 | PASS |
| Band<br>2 | 5 | 18625 | 25 | #0 | 16QAM | NV | 0   | 0.67       | 0.000      | -2.5 | 2.5 | PASS |
| Band<br>2 | 5 | 18625 | 25 | #0 | 16QAM | NV | 10  | -12.7<br>3 | -0.00<br>7 | -2.5 | 2.5 | PASS |
| Band<br>2 | 5 | 18625 | 25 | #0 | 16QAM | NV | 20  | -11.20     | -0.00<br>6 | -2.5 | 2.5 | PASS |
| Band<br>2 | 5 | 18900 | 25 | #0 | QPSK  | NV | -30 | -5.68      | -0.00<br>3 | -2.5 | 2.5 | PASS |
| Band<br>2 | 5 | 18900 | 25 | #0 | QPSK  | NV | -20 | -11.01     | -0.00<br>6 | -2.5 | 2.5 | PASS |
| Band<br>2 | 5 | 18900 | 25 | #0 | QPSK  | NV | 0   | -11.39     | -0.00<br>6 | -2.5 | 2.5 | PASS |
| Band<br>2 | 5 | 18900 | 25 | #0 | QPSK  | NV | 10  | -10.1<br>0 | -0.00<br>5 | -2.5 | 2.5 | PASS |
| Band<br>2 | 5 | 18900 | 25 | #0 | QPSK  | NV | 20  | -2.49      | -0.00<br>1 | -2.5 | 2.5 | PASS |
| Band<br>2 | 5 | 18900 | 25 | #0 | 16QAM | NV | -30 | -11.80     | -0.00<br>6 | -2.5 | 2.5 | PASS |
| Band<br>2 | 5 | 18900 | 25 | #0 | 16QAM | NV | -20 | -10.0<br>9 | -0.00<br>5 | -2.5 | 2.5 | PASS |
| Band<br>2 | 5 | 18900 | 25 | #0 | 16QAM | NV | 0   | -0.76      | 0.000      | -2.5 | 2.5 | PASS |
| Band<br>2 | 5 | 18900 | 25 | #0 | 16QAM | NV | 10  | 3.23       | 0.002      | -2.5 | 2.5 | PASS |
| Band<br>2 | 5 | 18900 | 25 | #0 | 16QAM | NV | 20  | -3.66      | -0.00<br>2 | -2.5 | 2.5 | PASS |
| Band<br>2 | 5 | 19175 | 25 | #0 | QPSK  | NV | -30 | -23.4<br>6 | -0.01<br>2 | -2.5 | 2.5 | PASS |
| Band      | 5 | 19175 | 25 | #0 | QPSK  | NV | -20 | -4.71      | -0.00      | -2.5 | 2.5 | PASS |

|        |    |       |    |    |       |    |     |        |        |      |     |      |
|--------|----|-------|----|----|-------|----|-----|--------|--------|------|-----|------|
| 2      |    |       |    |    |       |    |     |        | 2      |      |     |      |
| Band 2 | 5  | 19175 | 25 | #0 | QPSK  | NV | 0   | 7.54   | 0.004  | -2.5 | 2.5 | PASS |
| Band 2 | 5  | 19175 | 25 | #0 | QPSK  | NV | 10  | -2.07  | -0.001 | -2.5 | 2.5 | PASS |
| Band 2 | 5  | 19175 | 25 | #0 | QPSK  | NV | 20  | -12.87 | -0.007 | -2.5 | 2.5 | PASS |
| Band 2 | 5  | 19175 | 25 | #0 | 16QAM | NV | -30 | 0.79   | 0.000  | -2.5 | 2.5 | PASS |
| Band 2 | 5  | 19175 | 25 | #0 | 16QAM | NV | -20 | 0.44   | 0.000  | -2.5 | 2.5 | PASS |
| Band 2 | 5  | 19175 | 25 | #0 | 16QAM | NV | 0   | -12.45 | -0.007 | -2.5 | 2.5 | PASS |
| Band 2 | 5  | 19175 | 25 | #0 | 16QAM | NV | 10  | -17.42 | -0.009 | -2.5 | 2.5 | PASS |
| Band 2 | 5  | 19175 | 25 | #0 | 16QAM | NV | 20  | -4.06  | -0.002 | -2.5 | 2.5 | PASS |
| Band 2 | 10 | 18650 | 50 | #0 | QPSK  | NV | -30 | -6.14  | -0.003 | -2.5 | 2.5 | PASS |
| Band 2 | 10 | 18650 | 50 | #0 | QPSK  | NV | -20 | -10.64 | -0.006 | -2.5 | 2.5 | PASS |
| Band 2 | 10 | 18650 | 50 | #0 | QPSK  | NV | 0   | 0.90   | 0.000  | -2.5 | 2.5 | PASS |
| Band 2 | 10 | 18650 | 50 | #0 | QPSK  | NV | 10  | -5.87  | -0.003 | -2.5 | 2.5 | PASS |
| Band 2 | 10 | 18650 | 50 | #0 | QPSK  | NV | 20  | -9.13  | -0.005 | -2.5 | 2.5 | PASS |
| Band 2 | 10 | 18900 | 50 | #0 | QPSK  | NV | -30 | -2.72  | -0.001 | -2.5 | 2.5 | PASS |
| Band 2 | 10 | 18900 | 50 | #0 | QPSK  | NV | -20 | -4.96  | -0.003 | -2.5 | 2.5 | PASS |
| Band 2 | 10 | 18900 | 50 | #0 | QPSK  | NV | 0   | -7.17  | -0.004 | -2.5 | 2.5 | PASS |
| Band 2 | 10 | 18900 | 50 | #0 | QPSK  | NV | 10  | -9.40  | -0.005 | -2.5 | 2.5 | PASS |
| Band 2 | 10 | 18900 | 50 | #0 | QPSK  | NV | 20  | -2.39  | -0.001 | -2.5 | 2.5 | PASS |
| Band 2 | 10 | 19150 | 50 | #0 | QPSK  | NV | -30 | -9.03  | -0.005 | -2.5 | 2.5 | PASS |
| Band 2 | 10 | 19150 | 50 | #0 | QPSK  | NV | -20 | -17.91 | -0.009 | -2.5 | 2.5 | PASS |
| Band 2 | 10 | 19150 | 50 | #0 | QPSK  | NV | 0   | -15.44 | -0.008 | -2.5 | 2.5 | PASS |

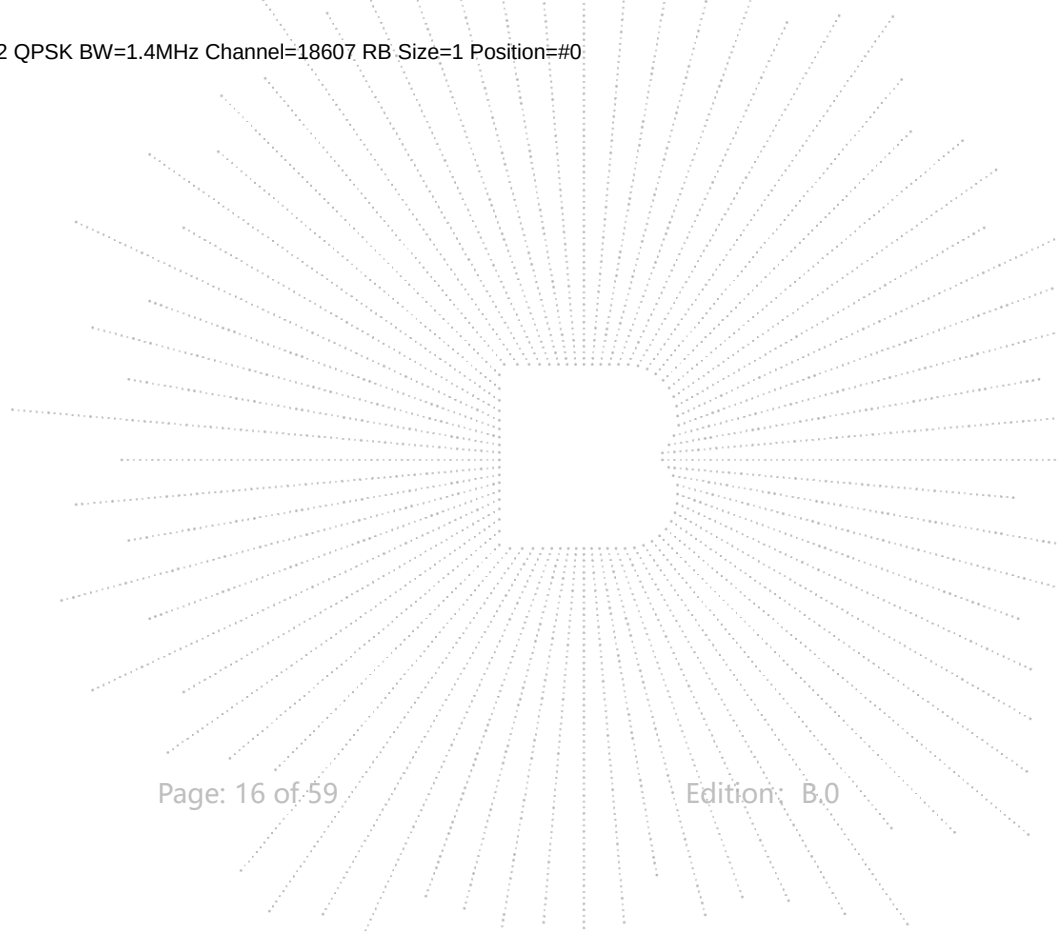
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|-----------|----|-------|----|----|------|----|----|-------|------------|------|-----|------|
| Band<br>2 | 10 | 19150 | 50 | #0 | QPSK | NV | 10 | -9.01 | -0.00<br>5 | -2.5 | 2.5 | PASS |
| Band<br>2 | 10 | 19150 | 50 | #0 | QPSK | NV | 20 | -6.15 | -0.00<br>3 | -2.5 | 2.5 | PASS |



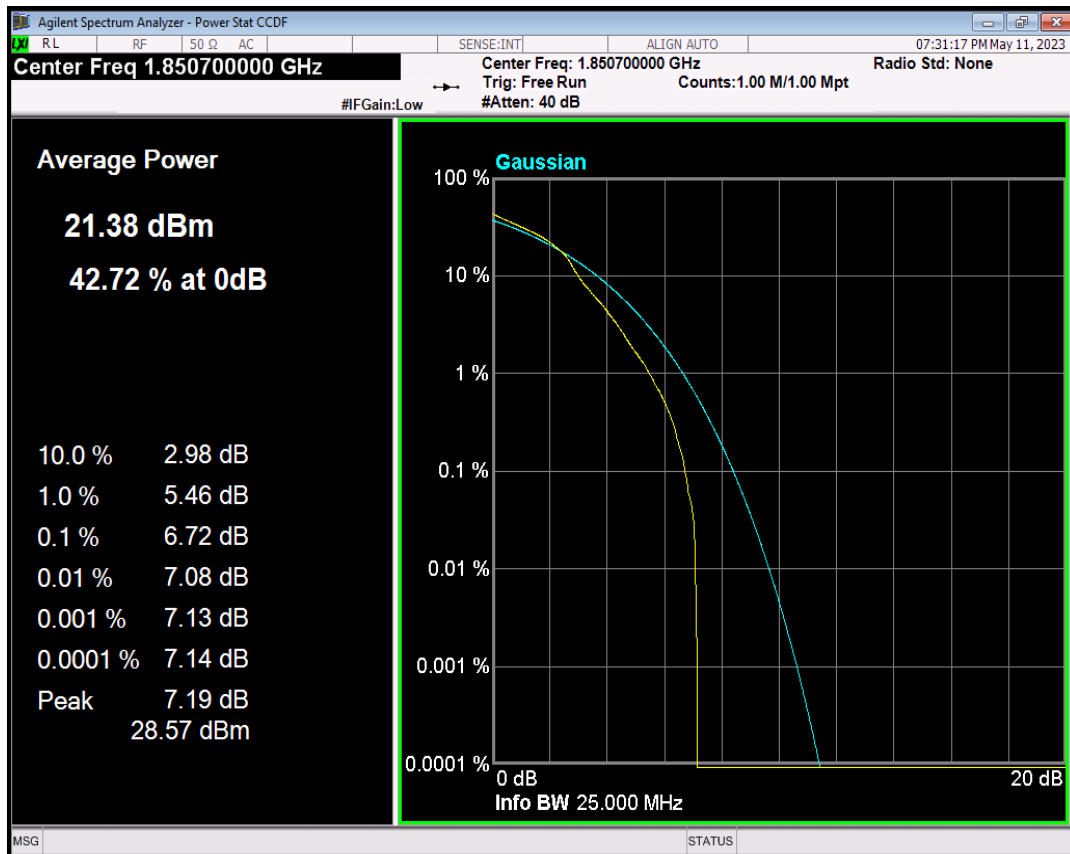
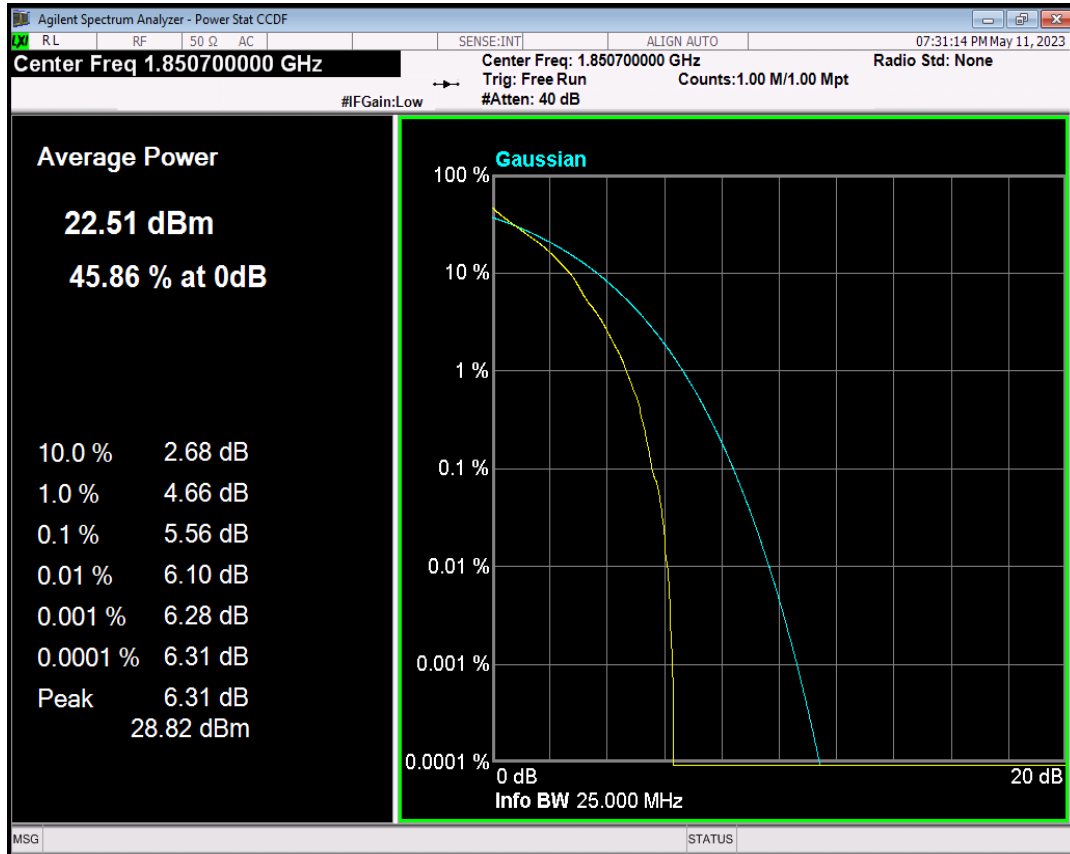
### Appendix 3. Peak-to-Average Ratio

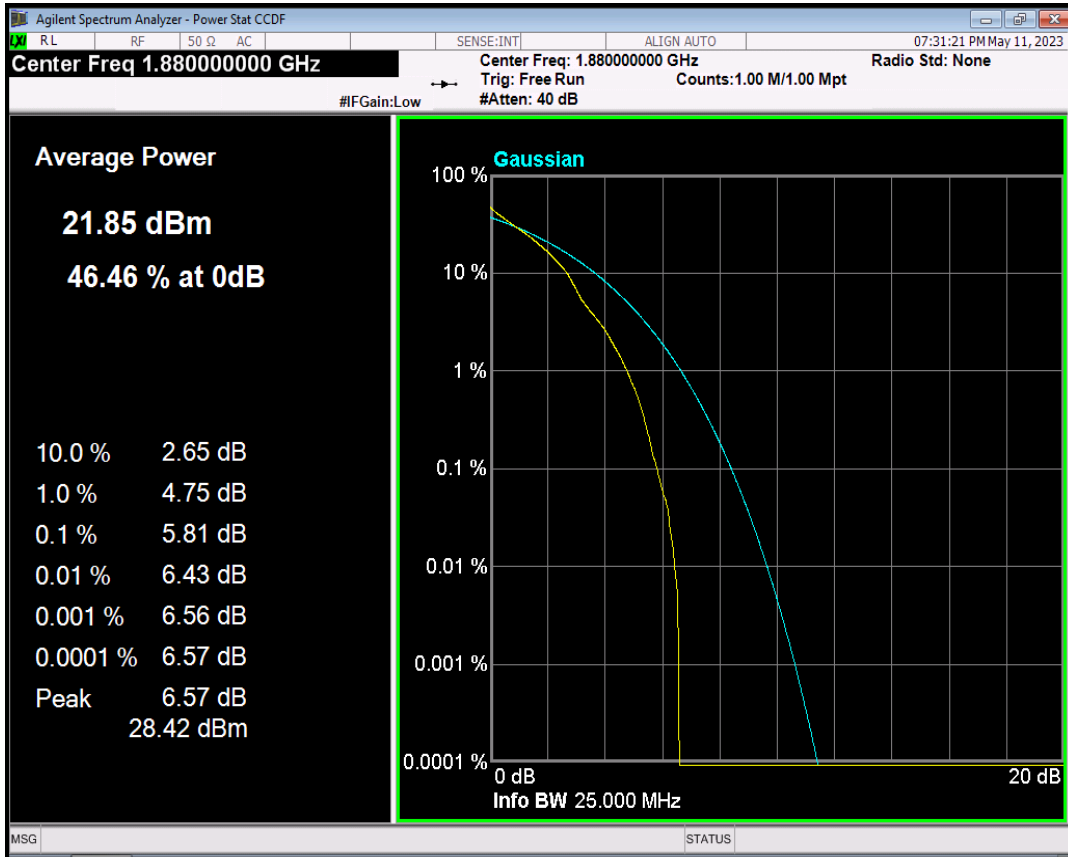
| Band  | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Result (dB) | high Limit (dB) | Verdict |
|-------|-----------------|------------|---------|-------------|------------|-------------|-----------------|---------|
| Band2 | 1.4             | 18607      | 1       | #0          | QPSK       | 5.56        | 13              | PASS    |
| Band2 | 1.4             | 18607      | 1       | #0          | 16QAM      | 6.72        | 13              | PASS    |
| Band2 | 1.4             | 18900      | 1       | #0          | QPSK       | 5.81        | 13              | PASS    |
| Band2 | 1.4             | 18900      | 1       | #0          | 16QAM      | 6.80        | 13              | PASS    |
| Band2 | 1.4             | 19193      | 1       | #0          | QPSK       | 5.40        | 13              | PASS    |
| Band2 | 1.4             | 19193      | 1       | #0          | 16QAM      | 6.01        | 13              | PASS    |
| Band2 | 3               | 18615      | 1       | #0          | QPSK       | 5.64        | 13              | PASS    |
| Band2 | 3               | 18615      | 1       | #0          | 16QAM      | 6.45        | 13              | PASS    |
| Band2 | 3               | 18900      | 1       | #0          | QPSK       | 5.94        | 13              | PASS    |
| Band2 | 3               | 18900      | 1       | #0          | 16QAM      | 6.85        | 13              | PASS    |
| Band2 | 3               | 19185      | 1       | #0          | QPSK       | 5.41        | 13              | PASS    |
| Band2 | 3               | 19185      | 1       | #0          | 16QAM      | 6.02        | 13              | PASS    |
| Band2 | 5               | 18625      | 1       | #0          | QPSK       | 5.85        | 13              | PASS    |
| Band2 | 5               | 18625      | 1       | #0          | 16QAM      | 6.23        | 13              | PASS    |
| Band2 | 5               | 18900      | 1       | #0          | QPSK       | 5.74        | 13              | PASS    |
| Band2 | 5               | 18900      | 1       | #0          | 16QAM      | 6.20        | 13              | PASS    |
| Band2 | 5               | 19175      | 1       | #0          | QPSK       | 5.59        | 13              | PASS    |
| Band2 | 5               | 19175      | 1       | #0          | 16QAM      | 6.26        | 13              | PASS    |
| Band2 | 10              | 18650      | 1       | #0          | QPSK       | 5.73        | 13              | PASS    |
| Band2 | 10              | 18900      | 1       | #0          | QPSK       | 5.98        | 13              | PASS    |
| Band2 | 10              | 19150      | 1       | #0          | QPSK       | 4.77        | 13              | PASS    |

Band2 QPSK BW=1.4MHz Channel=18607 RB Size=1 Position=#0

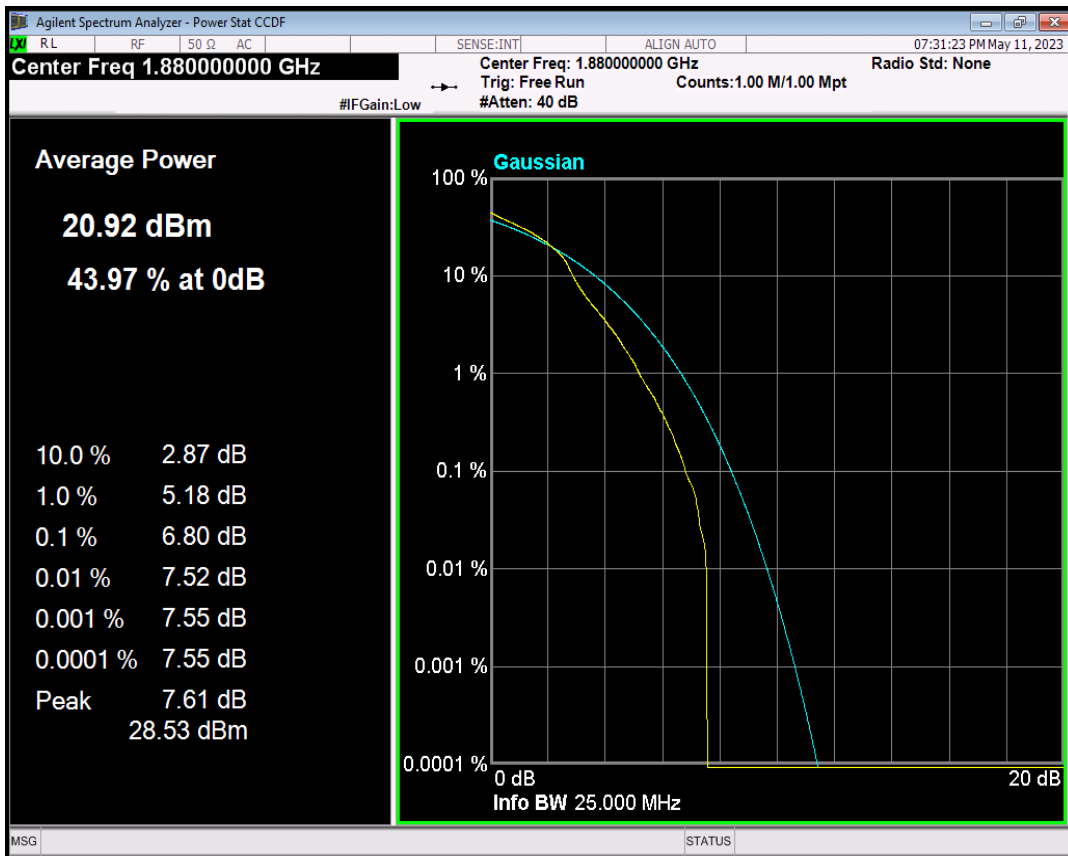




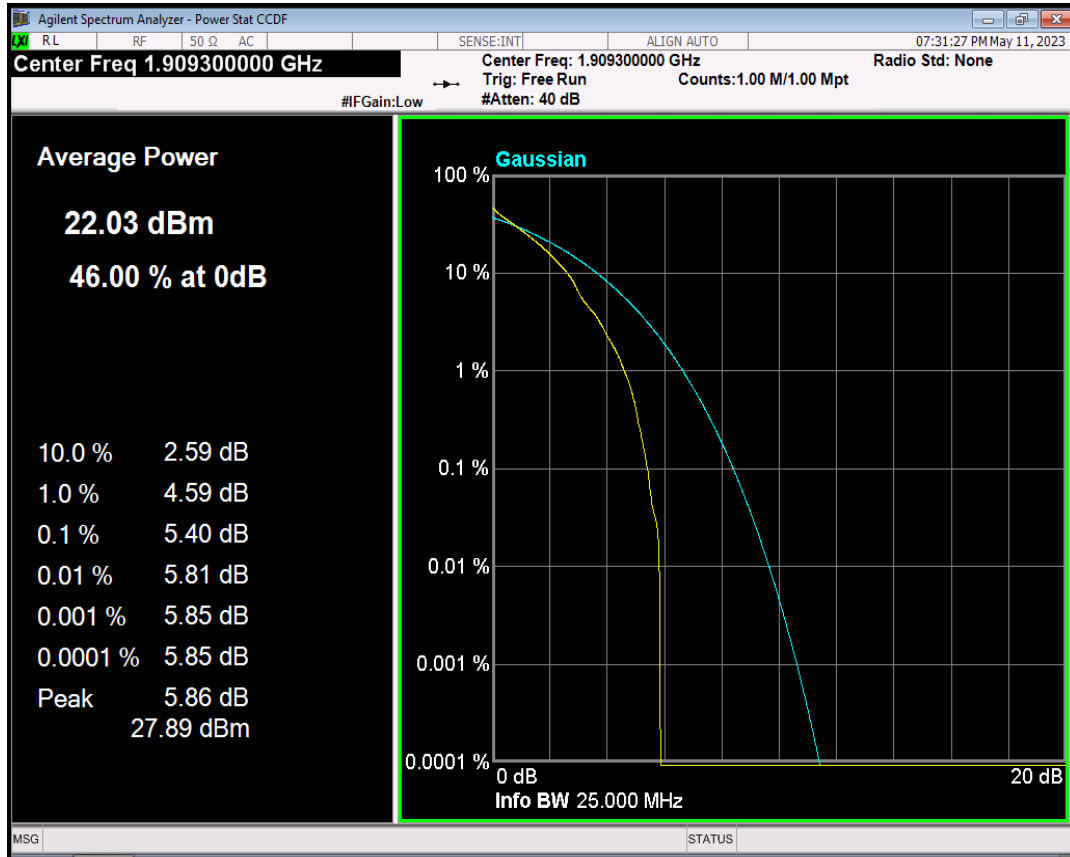




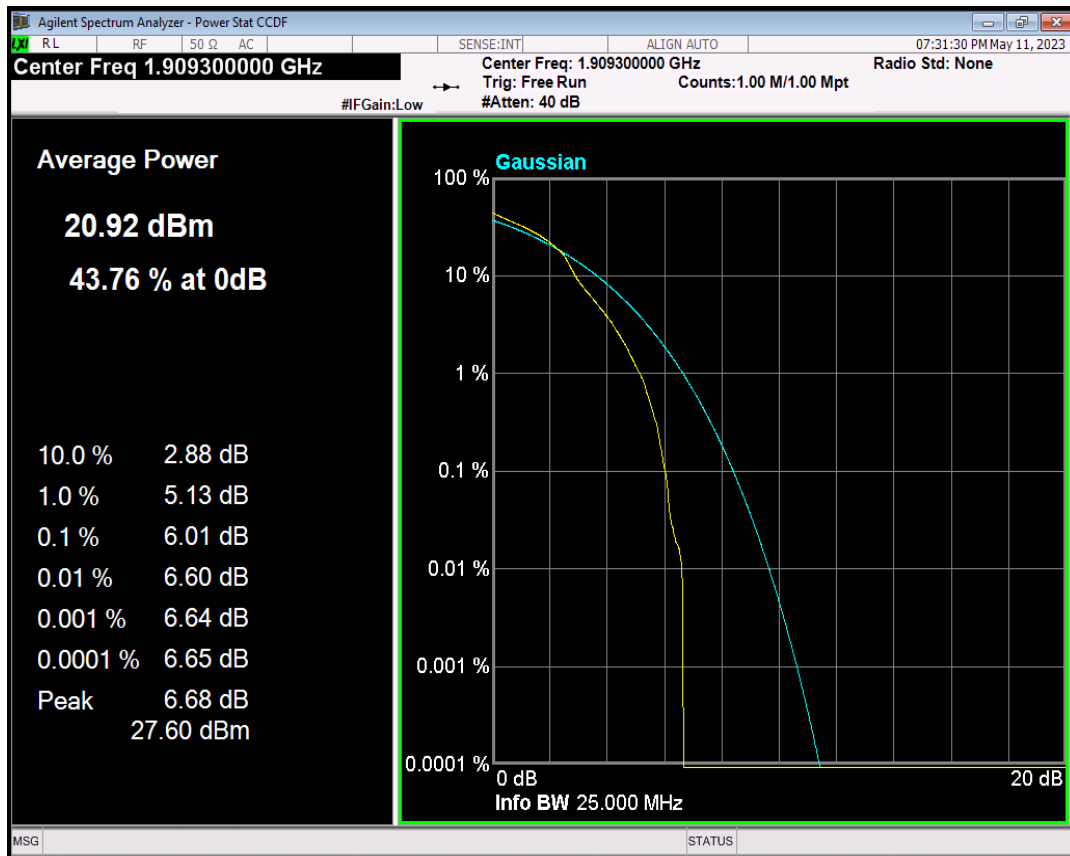
Band2 16QAM BW=1.4MHz Channel=18900 RB Size=1 Position=#0



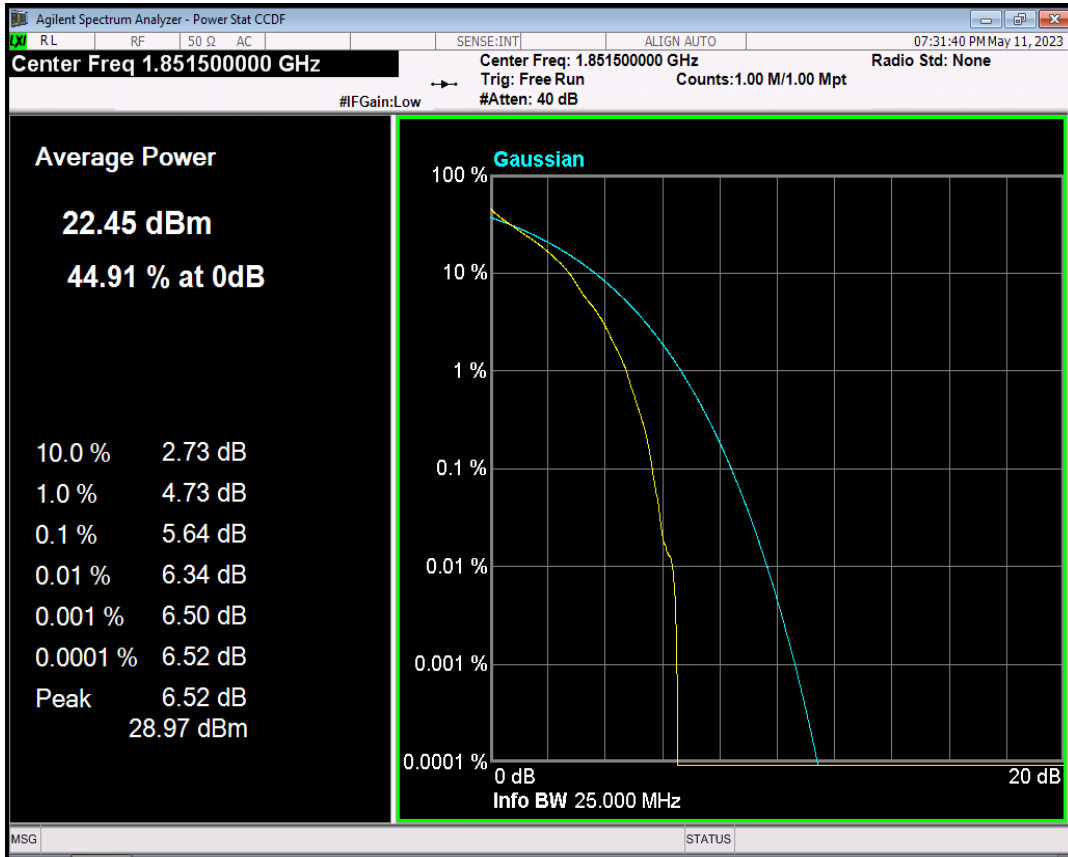
Band2 QPSK BW=1.4MHz Channel=19193 RB Size=1 Position=#0



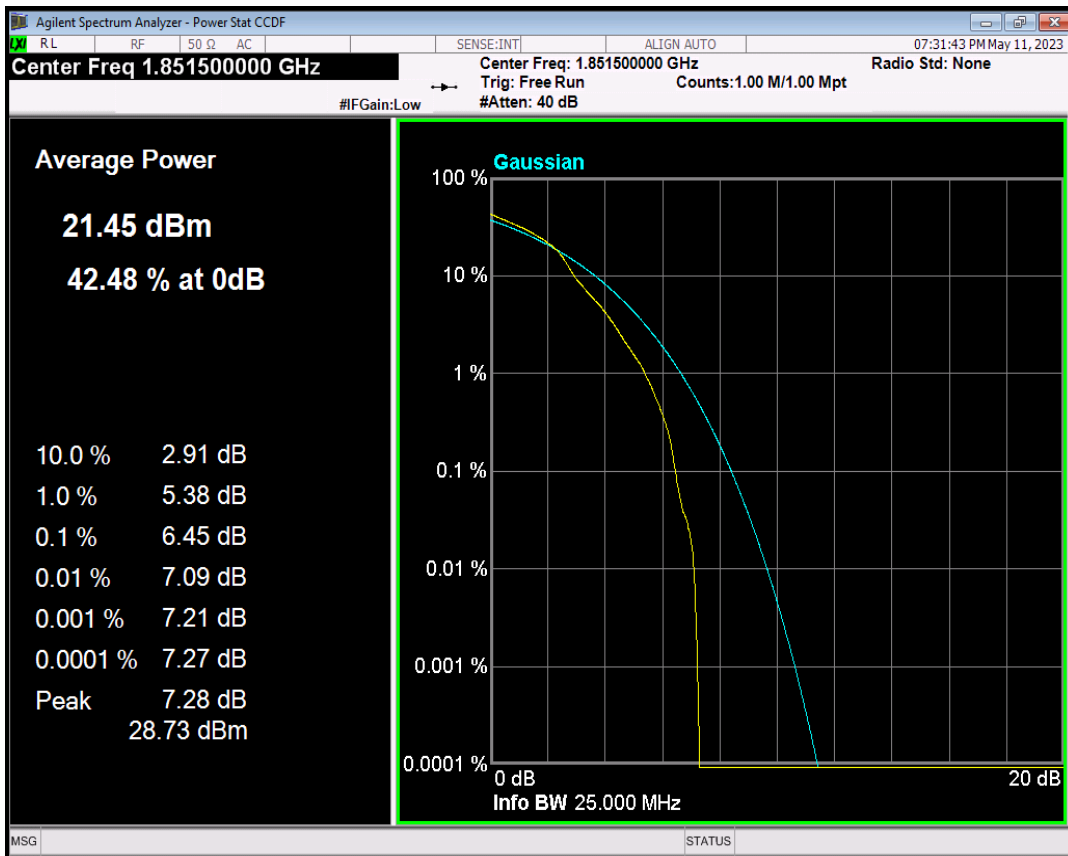
Band2 16QAM BW=1.4MHz Channel=19193 RB Size=1 Position=#0



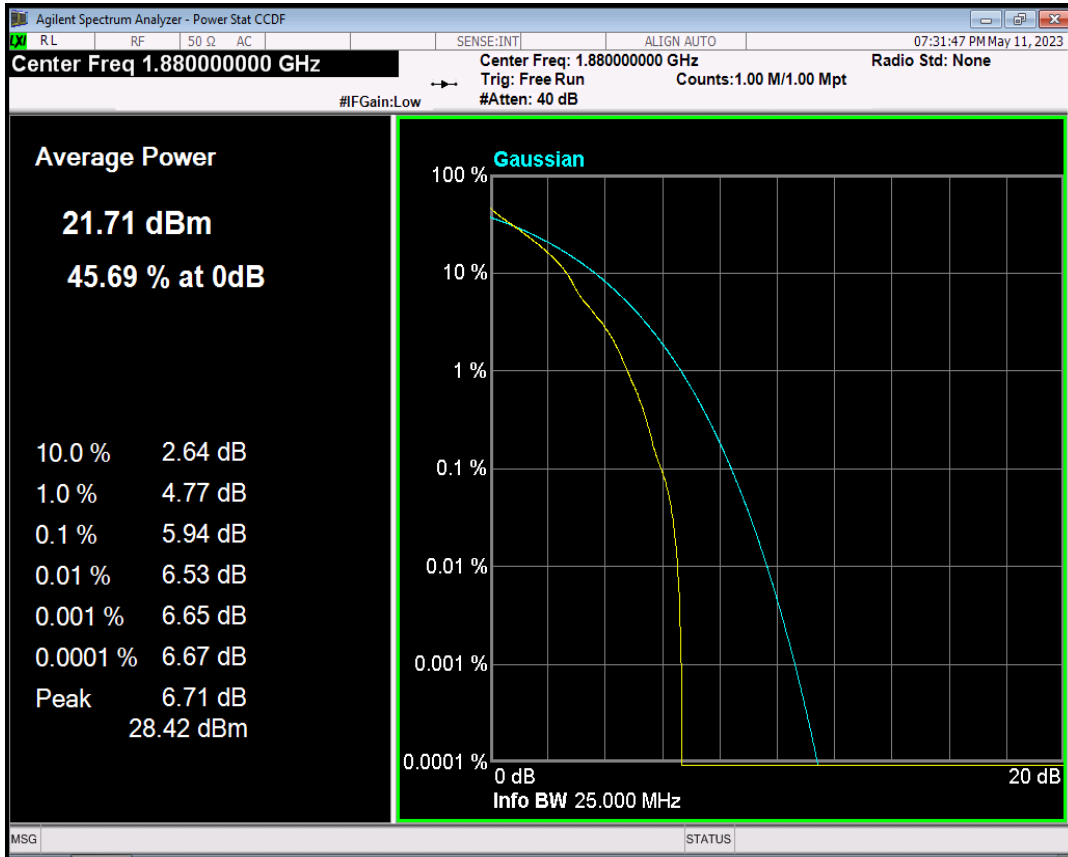
Band2 QPSK BW=3MHz Channel=18615 RB Size=1 Position=#0



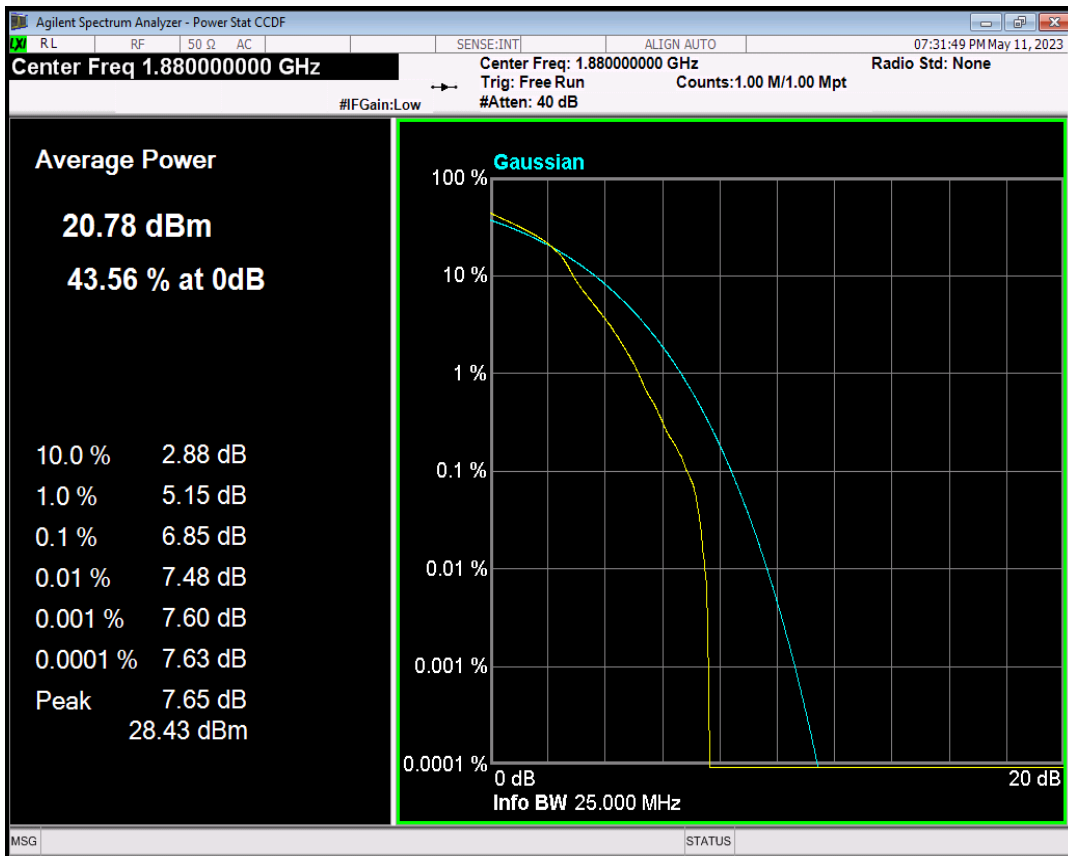
Band2 16QAM BW=3MHz Channel=18615 RB Size=1 Position=#0



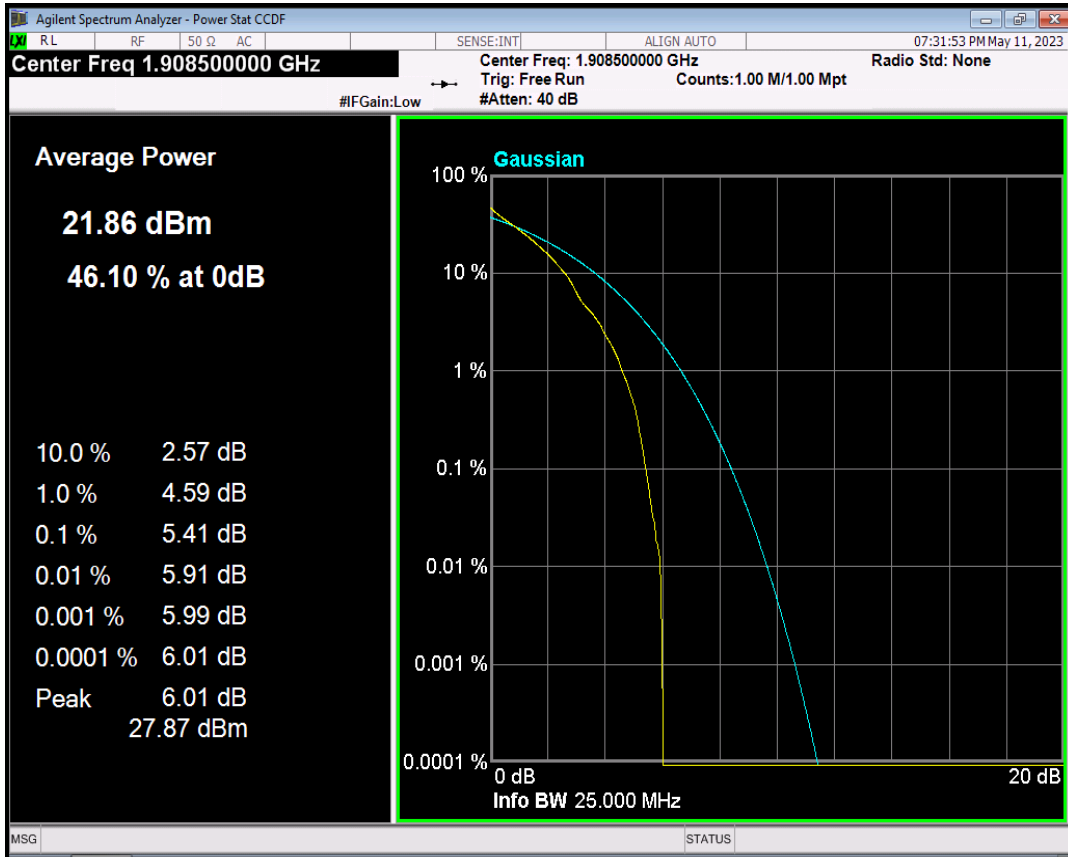
Band2 QPSK BW=3MHz Channel=18900 RB Size=1 Position=#0



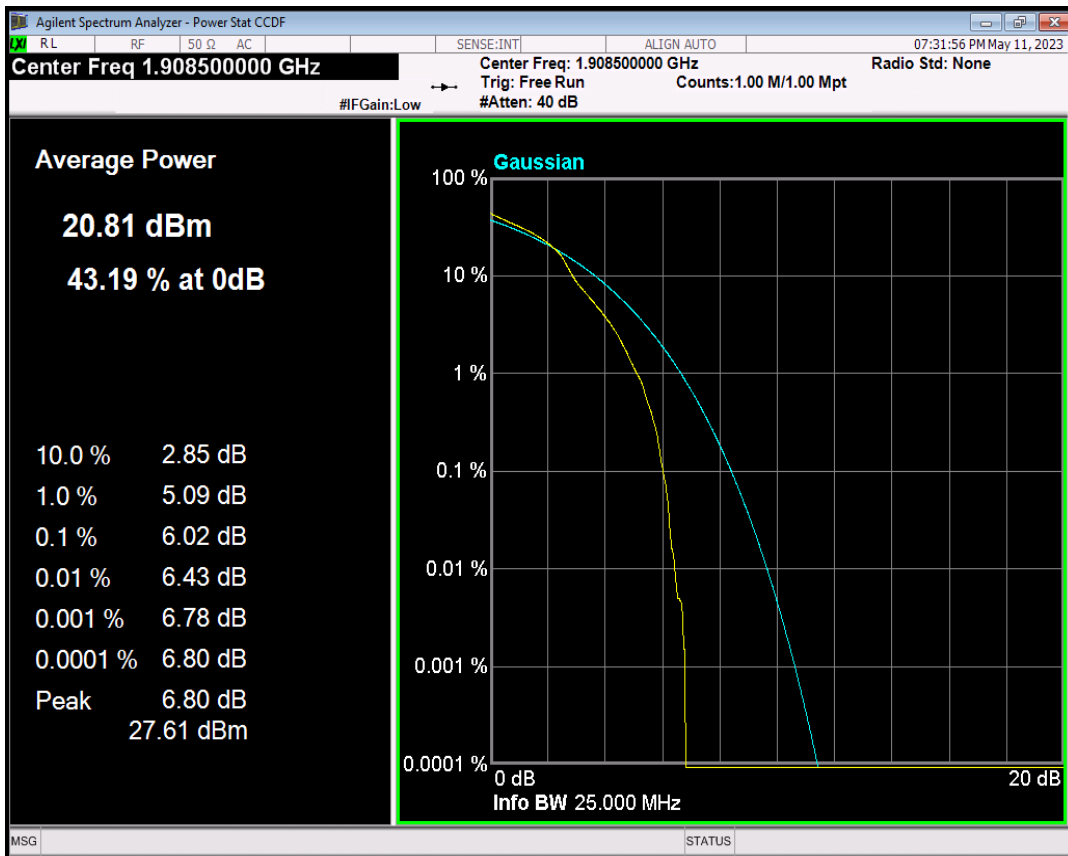
Band2 16QAM BW=3MHz Channel=18900 RB Size=1 Position=#0



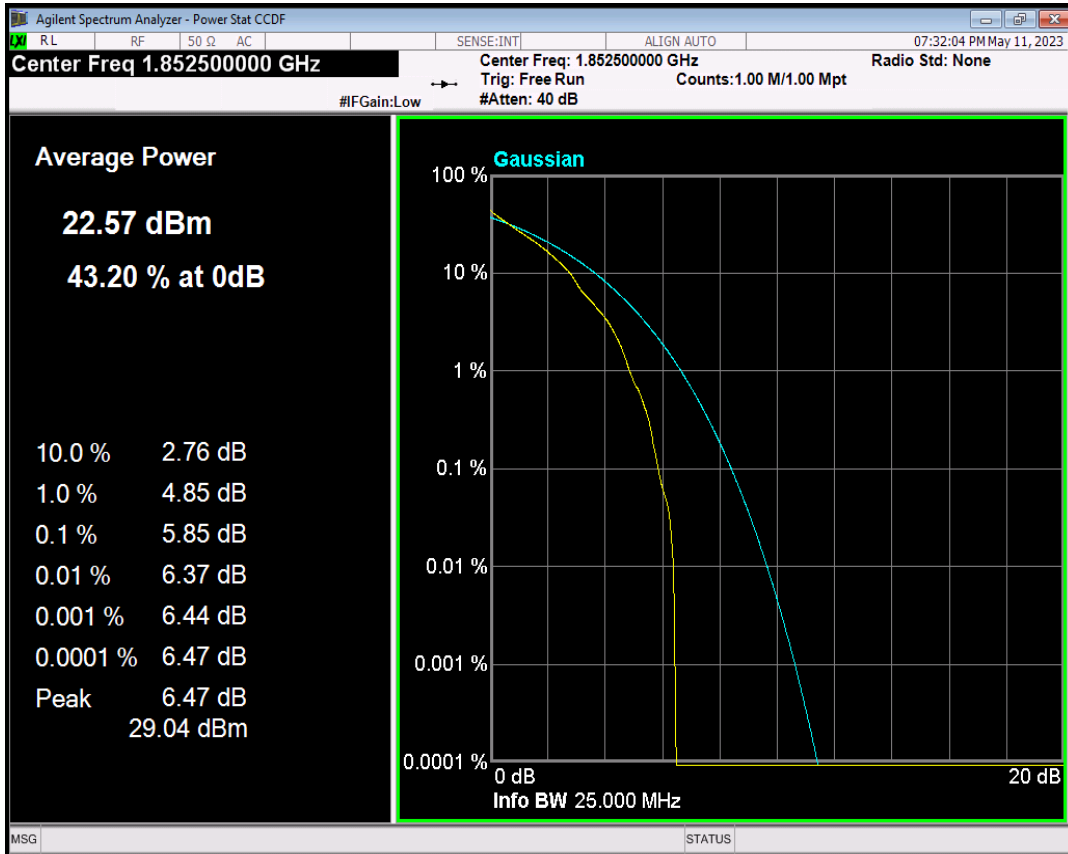
Band2 QPSK BW=3MHz Channel=19185 RB Size=1 Position=#0



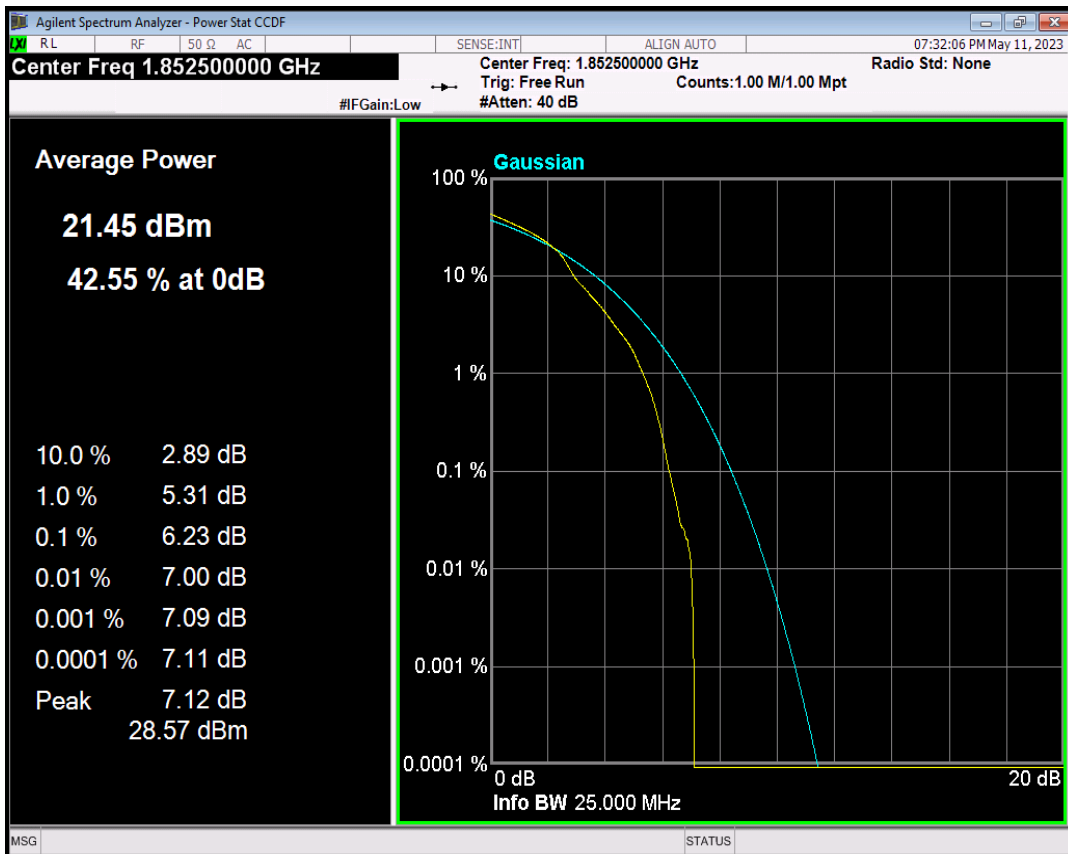
Band2 16QAM BW=3MHz Channel=19185 RB Size=1 Position=#0



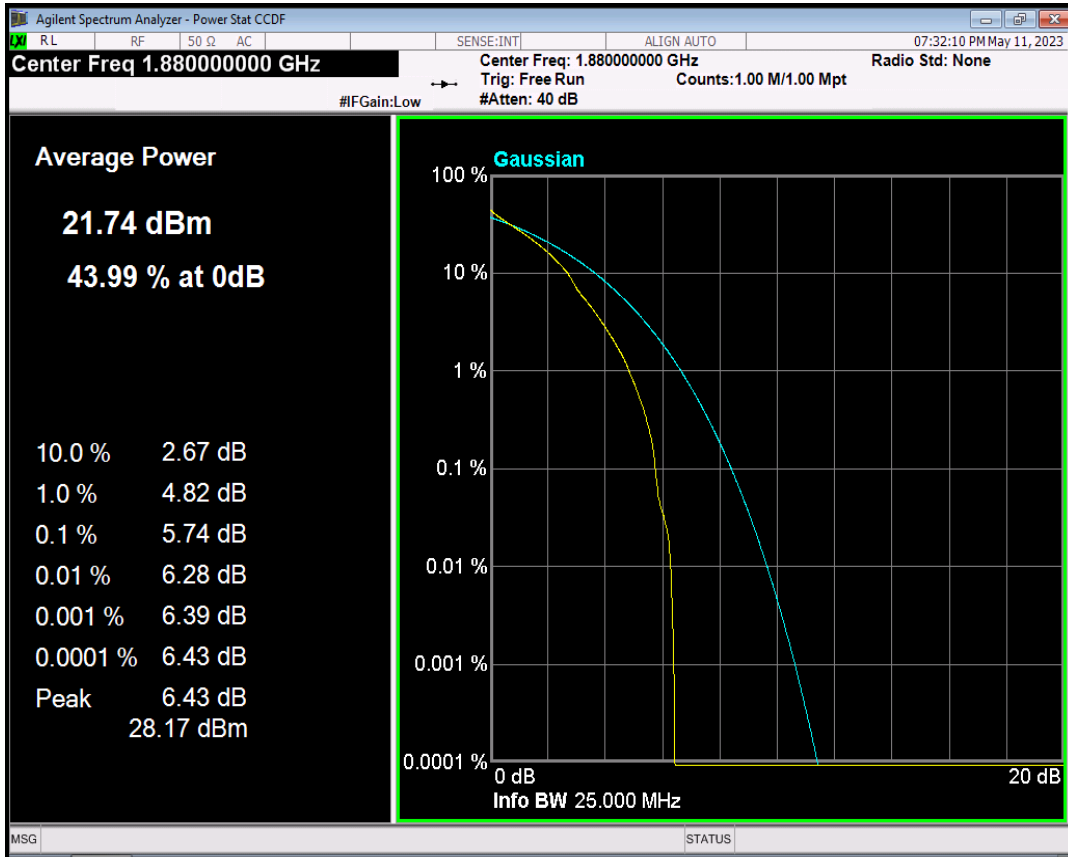
Band2 QPSK BW=5MHz Channel=18625 RB Size=1 Position=#0



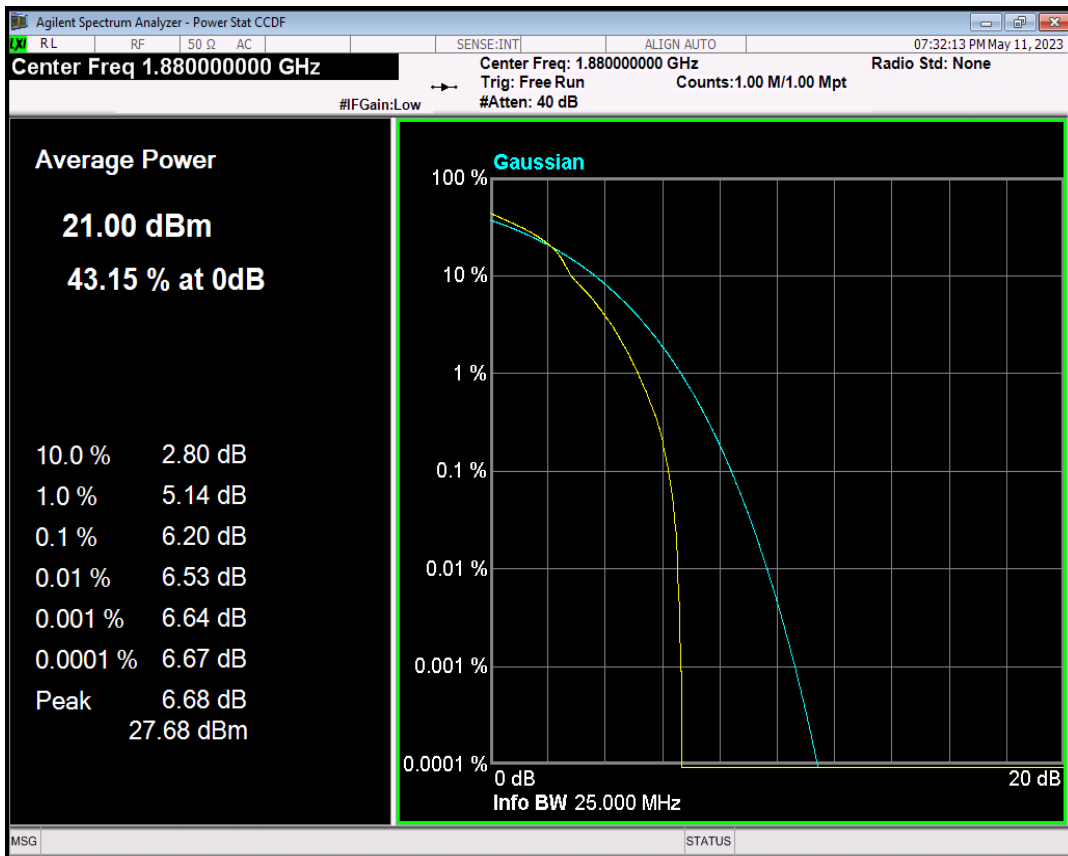
Band2 16QAM BW=5MHz Channel=18625 RB Size=1 Position=#0



Band2 QPSK BW=5MHz Channel=18900 RB Size=1 Position=#0

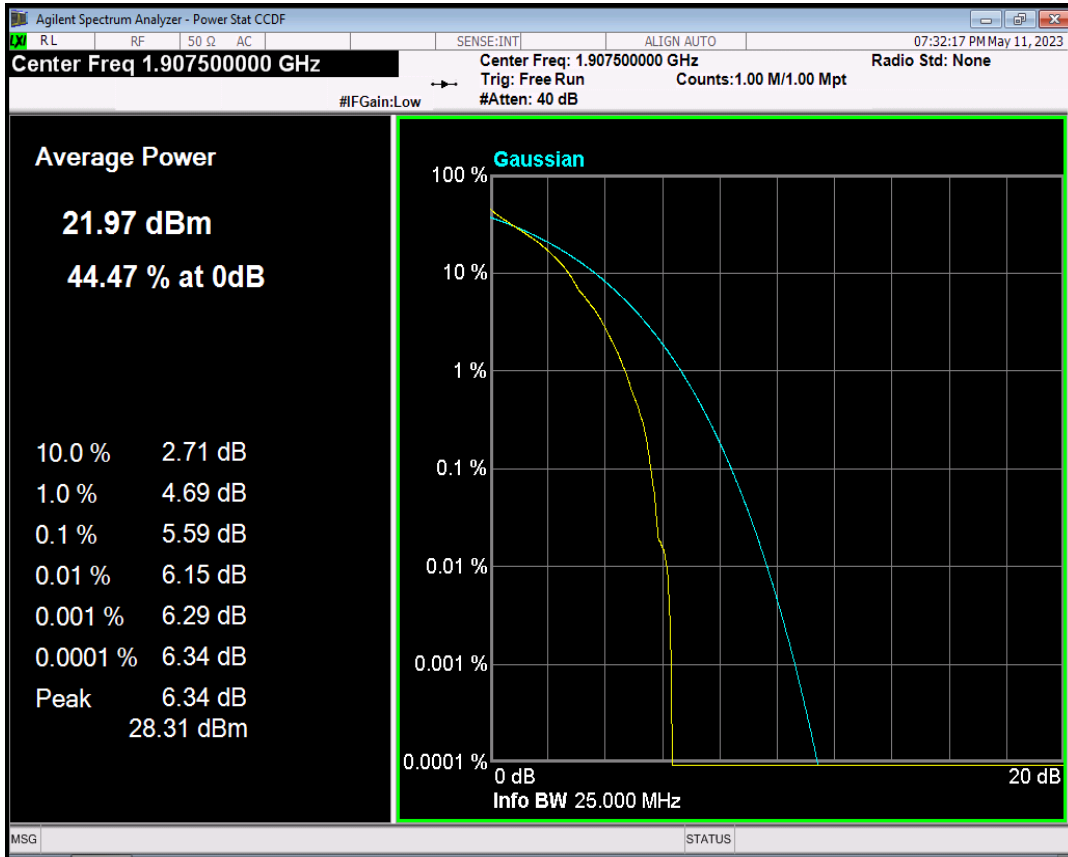


Band2 16QAM BW=5MHz Channel=18900 RB Size=1 Position=#0

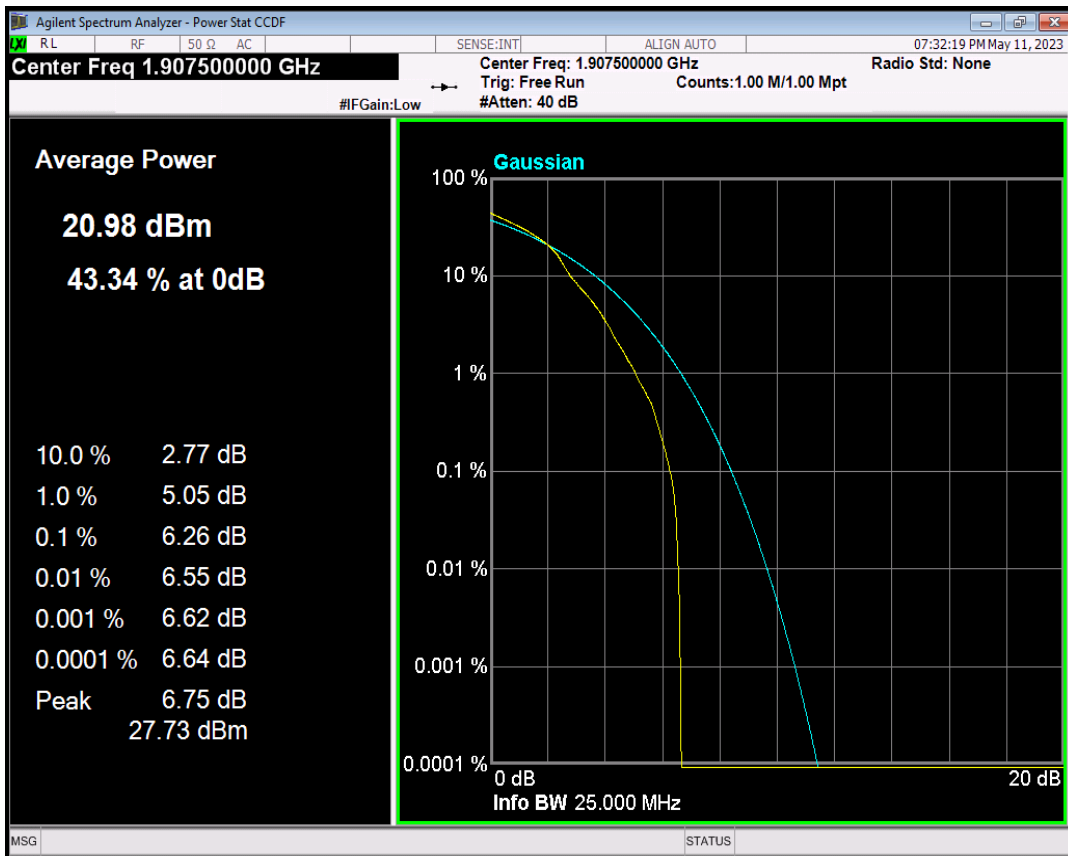


Band2 QPSK BW=5MHz Channel=19175 RB Size=1 Position=#0

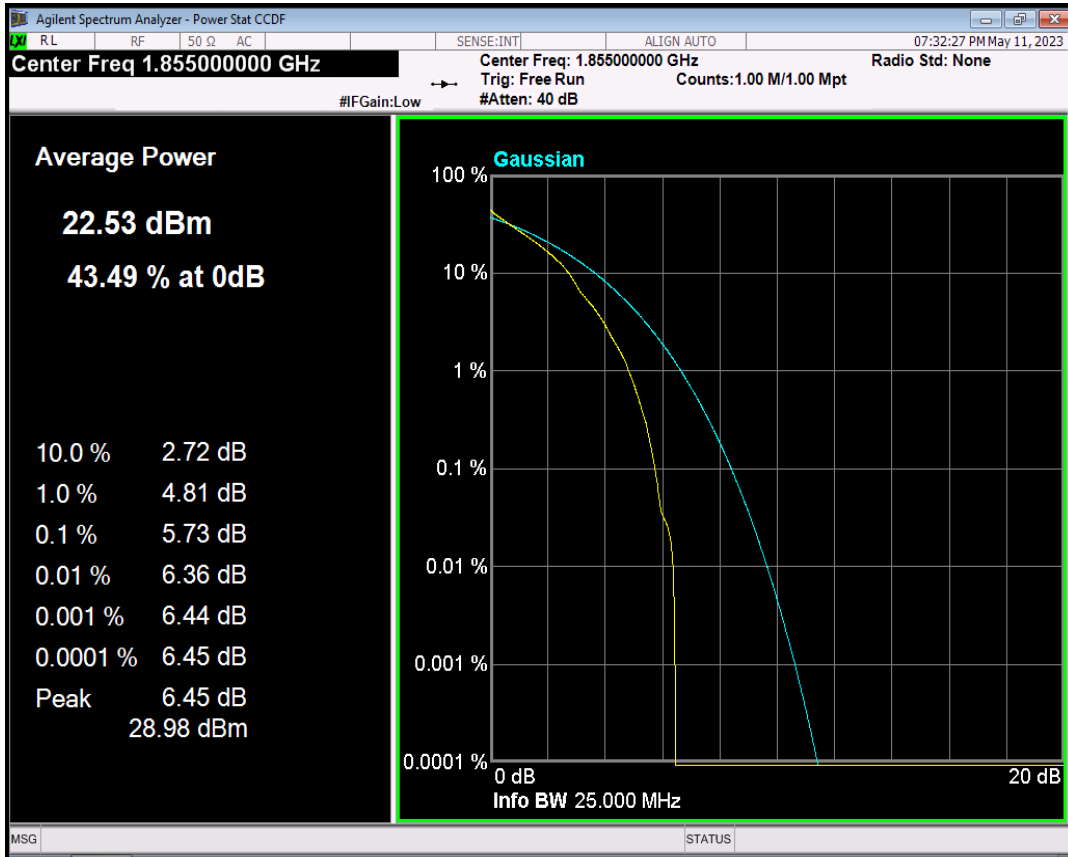




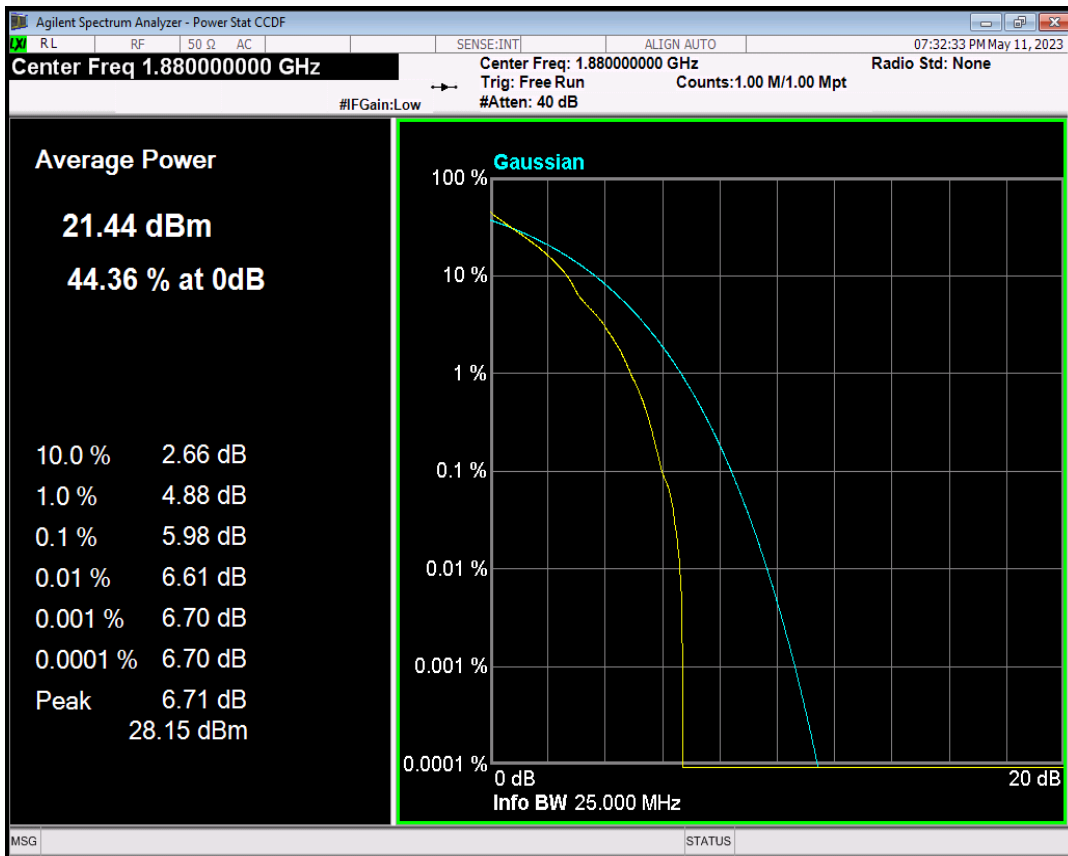
Band2 16QAM BW=5MHz Channel=19175 RB Size=1 Position=#0



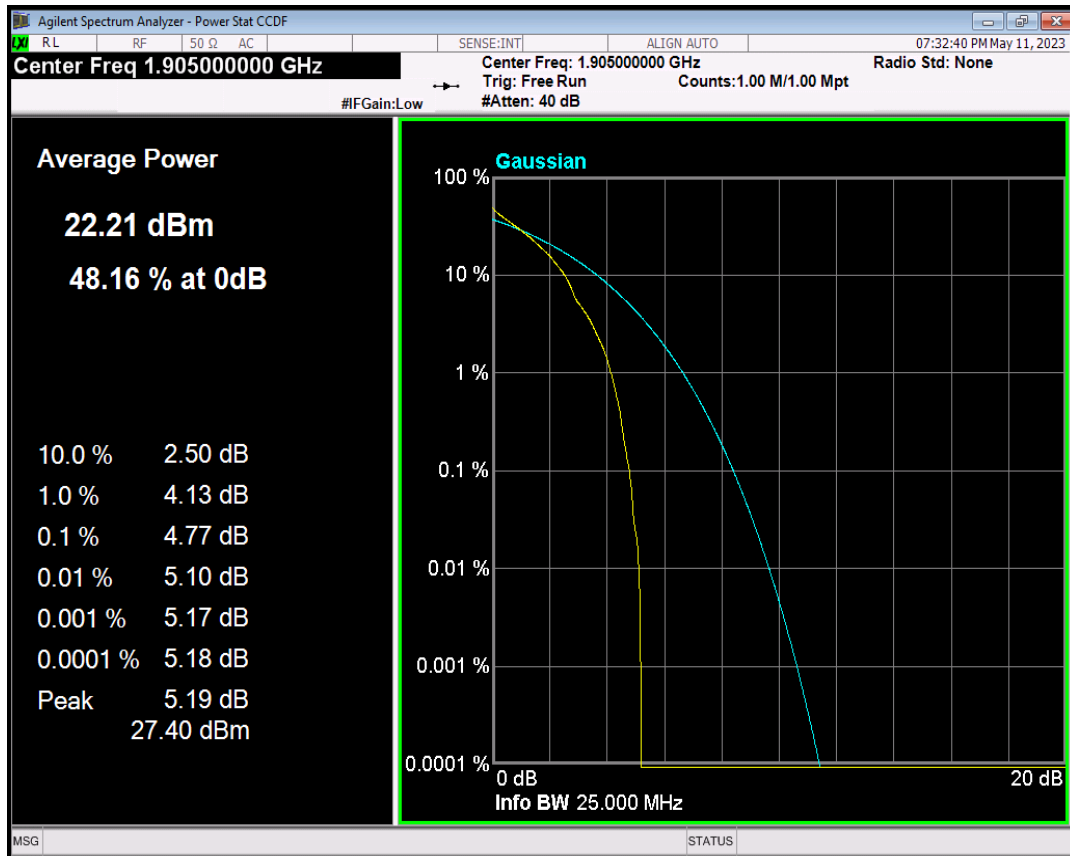
Band2 QPSK BW=10MHz Channel=18650 RB Size=1 Position=#0



Band2 QPSK BW=10MHz Channel=18900 RB Size=1 Position=#0



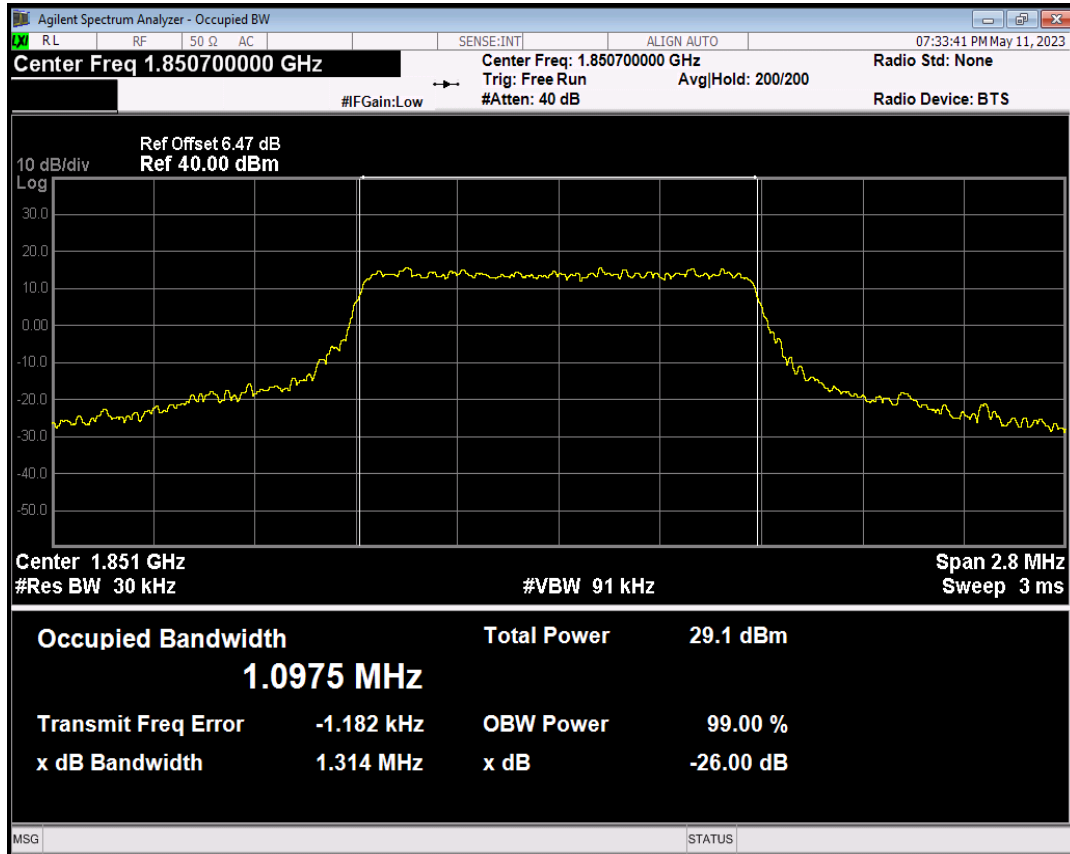
Band2 QPSK BW=10MHz Channel=19150 RB Size=1 Position=#0



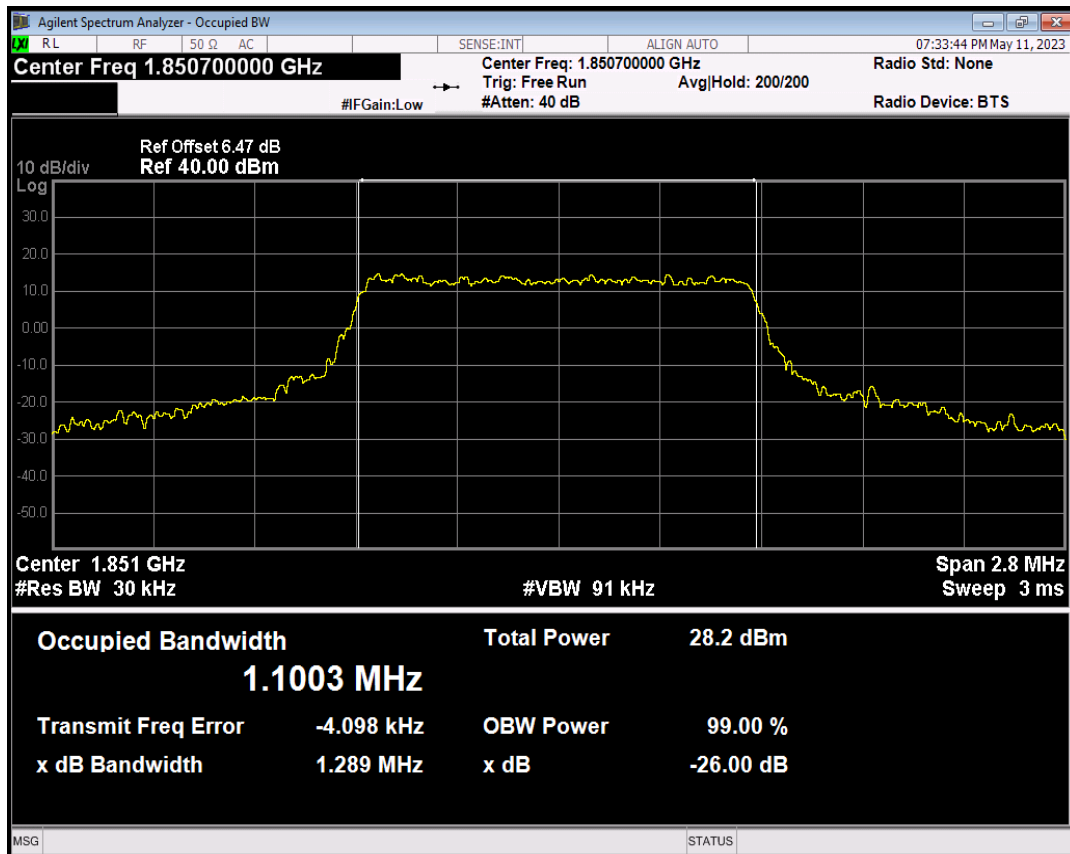
## Appendix 4. Occupied bandwidth

| Band  | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | 99% OBW (MHz) | -26dB EBW (MHz) | Verdict |
|-------|-----------------|------------|---------|-------------|------------|---------------|-----------------|---------|
| Band2 | 1.4             | 18607      | 6       | #0          | QPSK       | 1.097         | 1.314           | PASS    |
| Band2 | 1.4             | 18607      | 6       | #0          | 16QAM      | 1.100         | 1.289           | PASS    |
| Band2 | 1.4             | 18900      | 6       | #0          | QPSK       | 1.096         | 1.304           | PASS    |
| Band2 | 1.4             | 18900      | 6       | #0          | 16QAM      | 1.097         | 1.284           | PASS    |
| Band2 | 1.4             | 19193      | 6       | #0          | QPSK       | 1.112         | 1.394           | PASS    |
| Band2 | 1.4             | 19193      | 6       | #0          | 16QAM      | 1.097         | 1.368           | PASS    |
| Band2 | 3               | 18615      | 15      | #0          | QPSK       | 2.688         | 2.948           | PASS    |
| Band2 | 3               | 18615      | 15      | #0          | 16QAM      | 2.694         | 2.929           | PASS    |
| Band2 | 3               | 18900      | 15      | #0          | QPSK       | 2.697         | 2.960           | PASS    |
| Band2 | 3               | 18900      | 15      | #0          | 16QAM      | 2.698         | 2.961           | PASS    |
| Band2 | 3               | 19185      | 15      | #0          | QPSK       | 2.708         | 2.980           | PASS    |
| Band2 | 3               | 19185      | 15      | #0          | 16QAM      | 2.690         | 2.958           | PASS    |
| Band2 | 5               | 18625      | 25      | #0          | QPSK       | 4.505         | 4.939           | PASS    |
| Band2 | 5               | 18625      | 25      | #0          | 16QAM      | 4.504         | 4.897           | PASS    |
| Band2 | 5               | 18900      | 25      | #0          | QPSK       | 4.514         | 4.938           | PASS    |
| Band2 | 5               | 18900      | 25      | #0          | 16QAM      | 4.517         | 4.914           | PASS    |
| Band2 | 5               | 19175      | 25      | #0          | QPSK       | 4.501         | 4.868           | PASS    |
| Band2 | 5               | 19175      | 25      | #0          | 16QAM      | 4.498         | 4.93            | PASS    |
| Band2 | 10              | 18650      | 50      | #0          | QPSK       | 8.986         | 9.676           | PASS    |
| Band2 | 10              | 18900      | 50      | #0          | QPSK       | 8.952         | 9.696           | PASS    |
| Band2 | 10              | 19150      | 50      | #0          | QPSK       | 8.952         | 9.746           | PASS    |

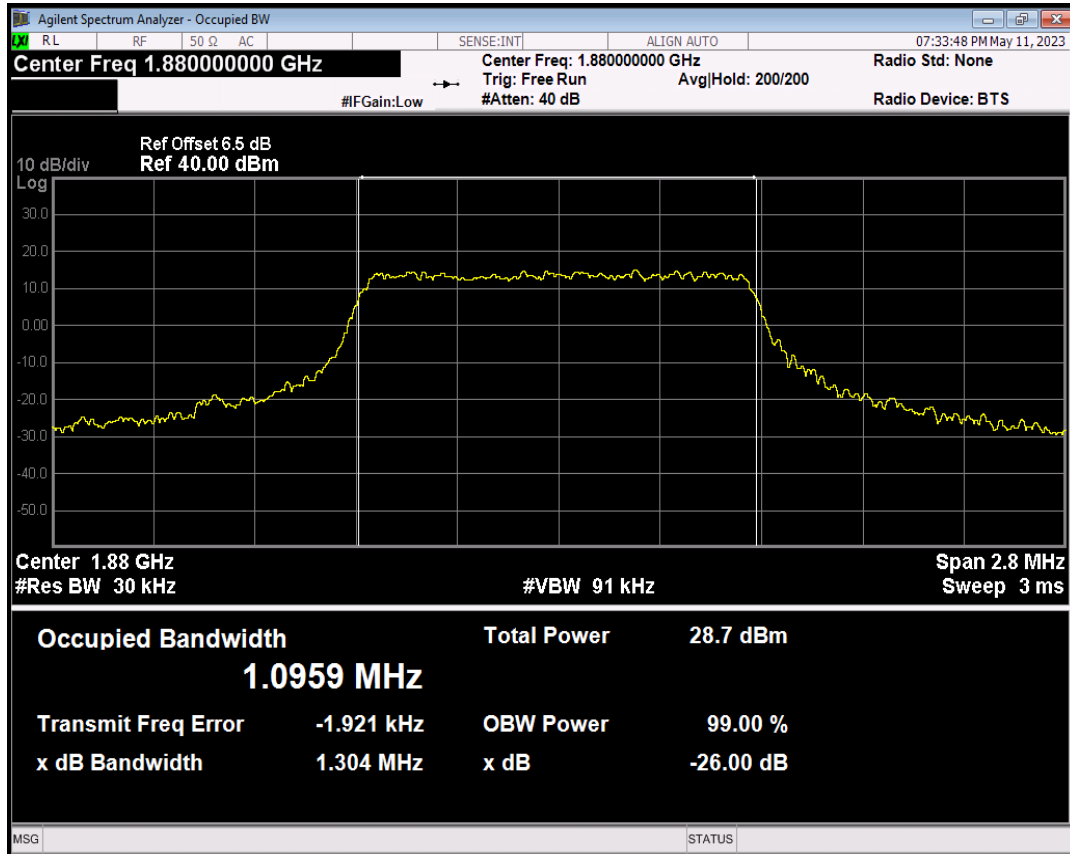
Band2 QPSK BW=1.4MHz Channel=18607 RB Size=6 Position=#0



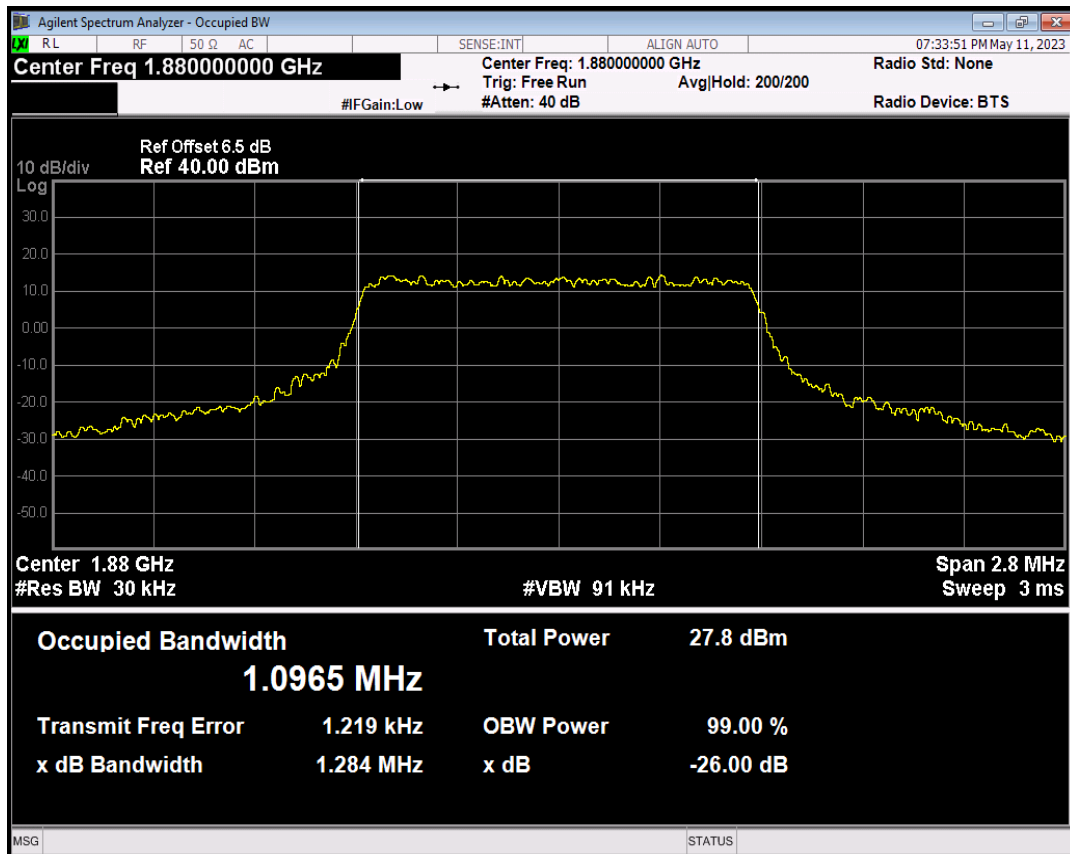
Band2 16QAM BW=1.4MHz Channel=18607 RB Size=6 Position=#0



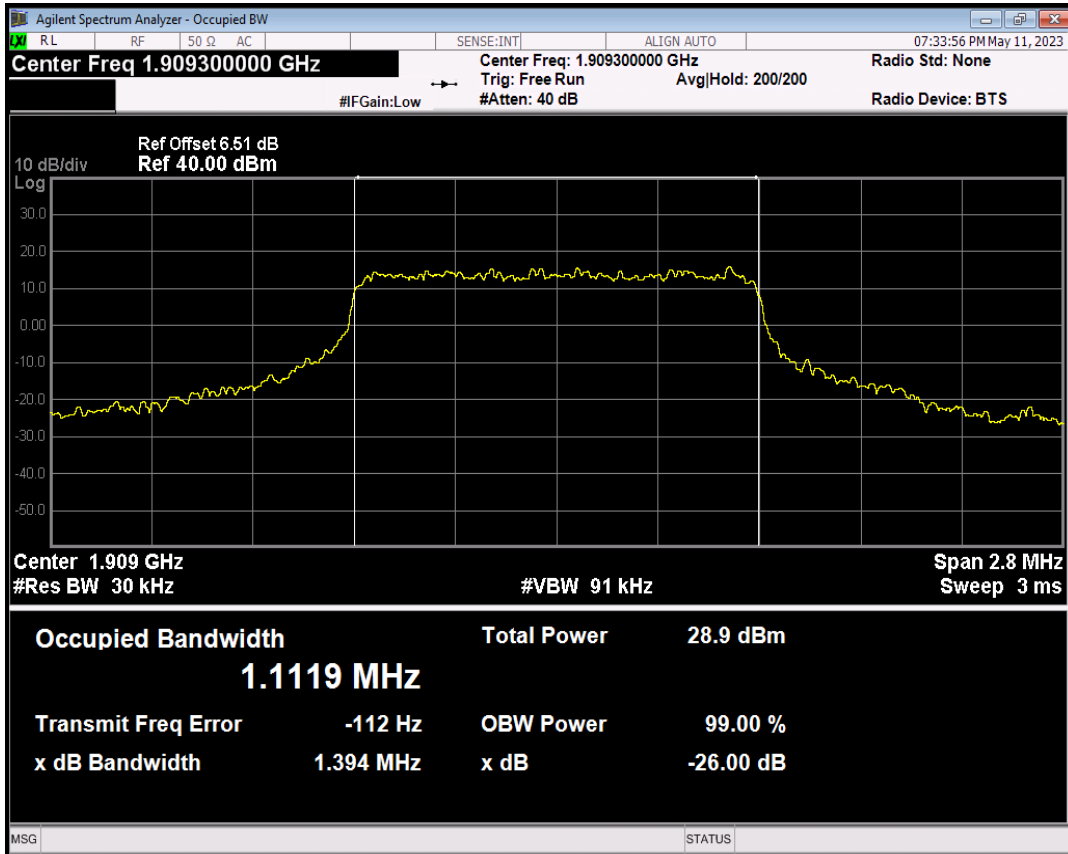
Band2 QPSK BW=1.4MHz Channel=18900 RB Size=6 Position=#0



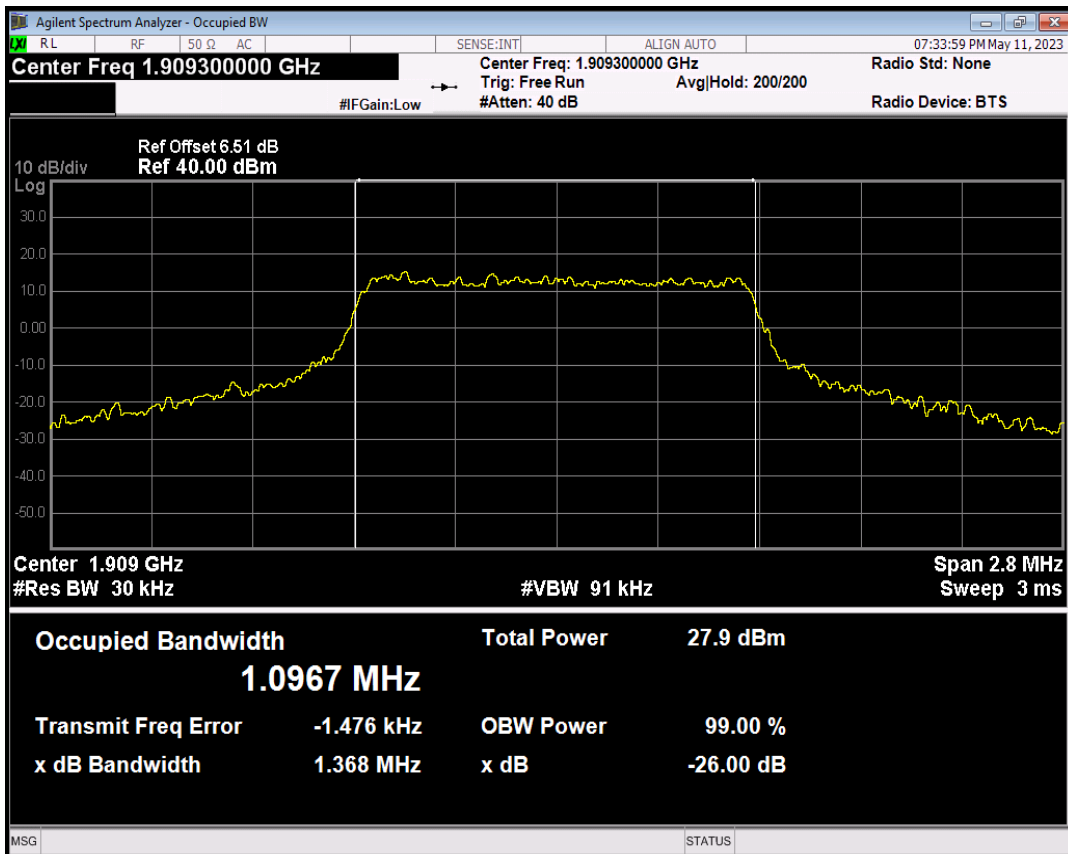
Band2 16QAM BW=1.4MHz Channel=18900 RB Size=6 Position=#0



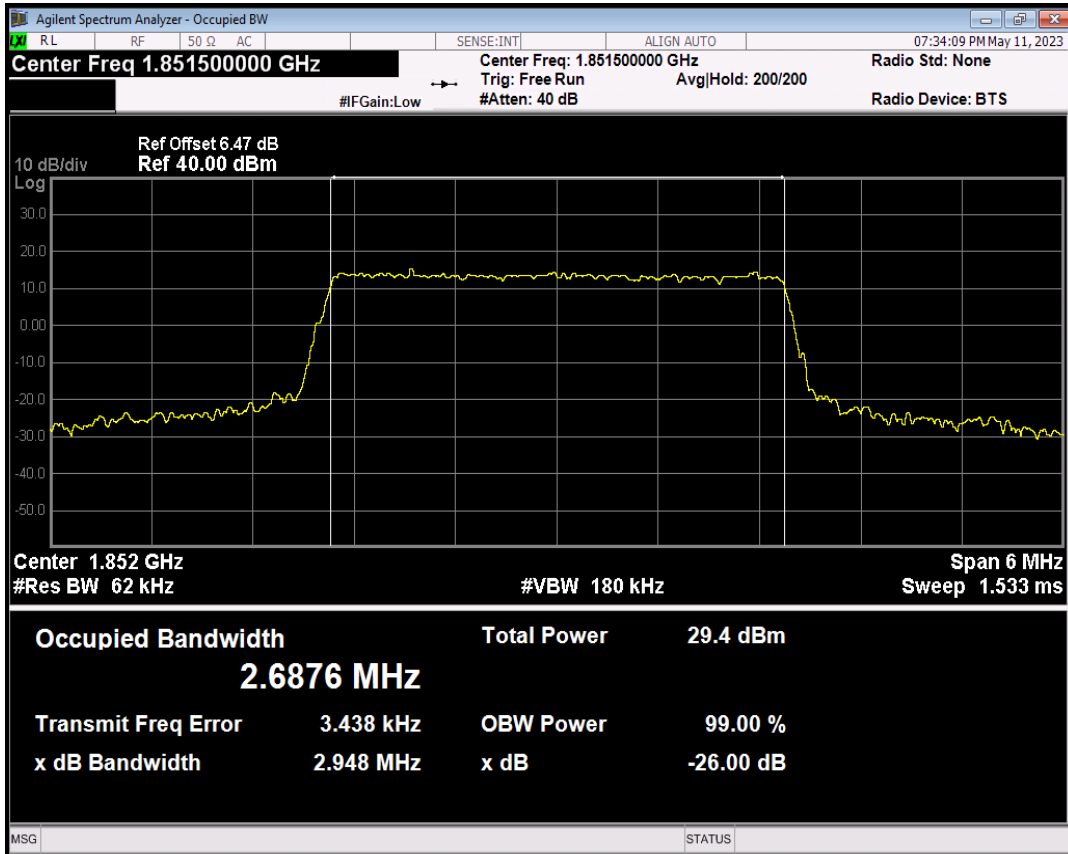
Band2 QPSK BW=1.4MHz Channel=19193 RB Size=6 Position=#0



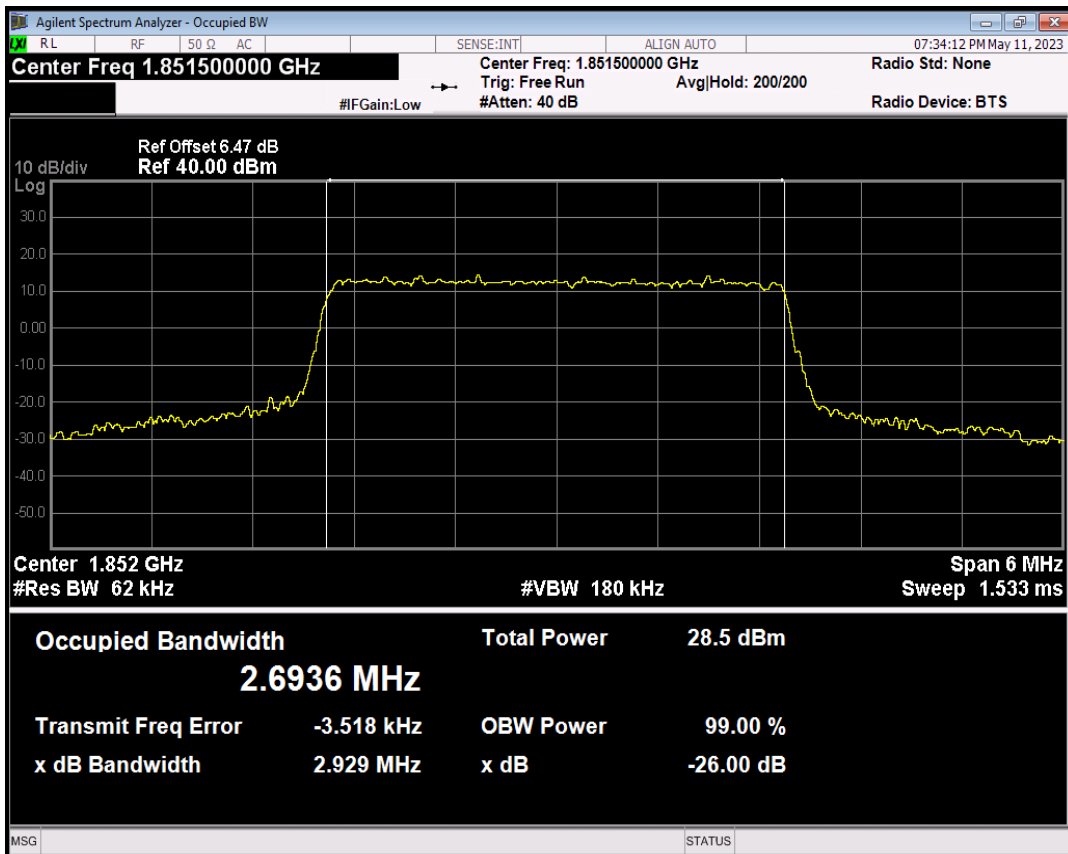
Band2 16QAM BW=1.4MHz Channel=19193 RB Size=6 Position=#0



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

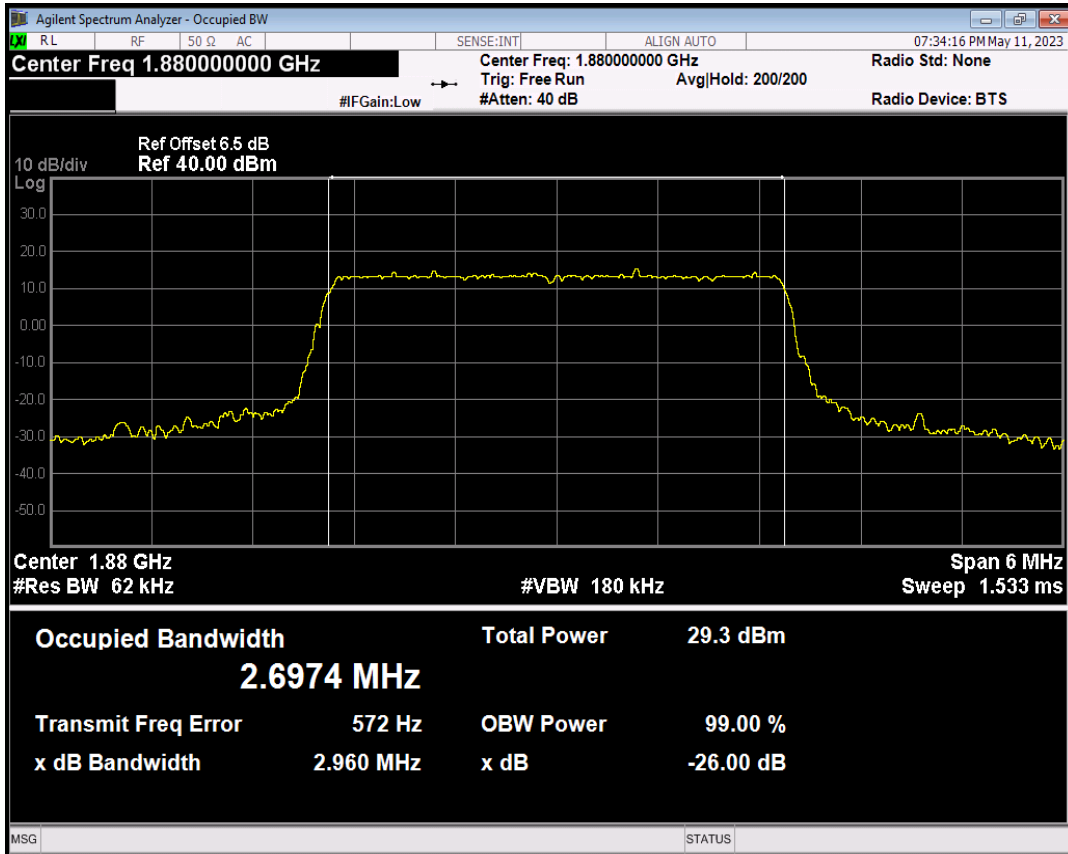


Band2 16QAM BW=3MHz Channel=18615 RB Size=15 Position=#0

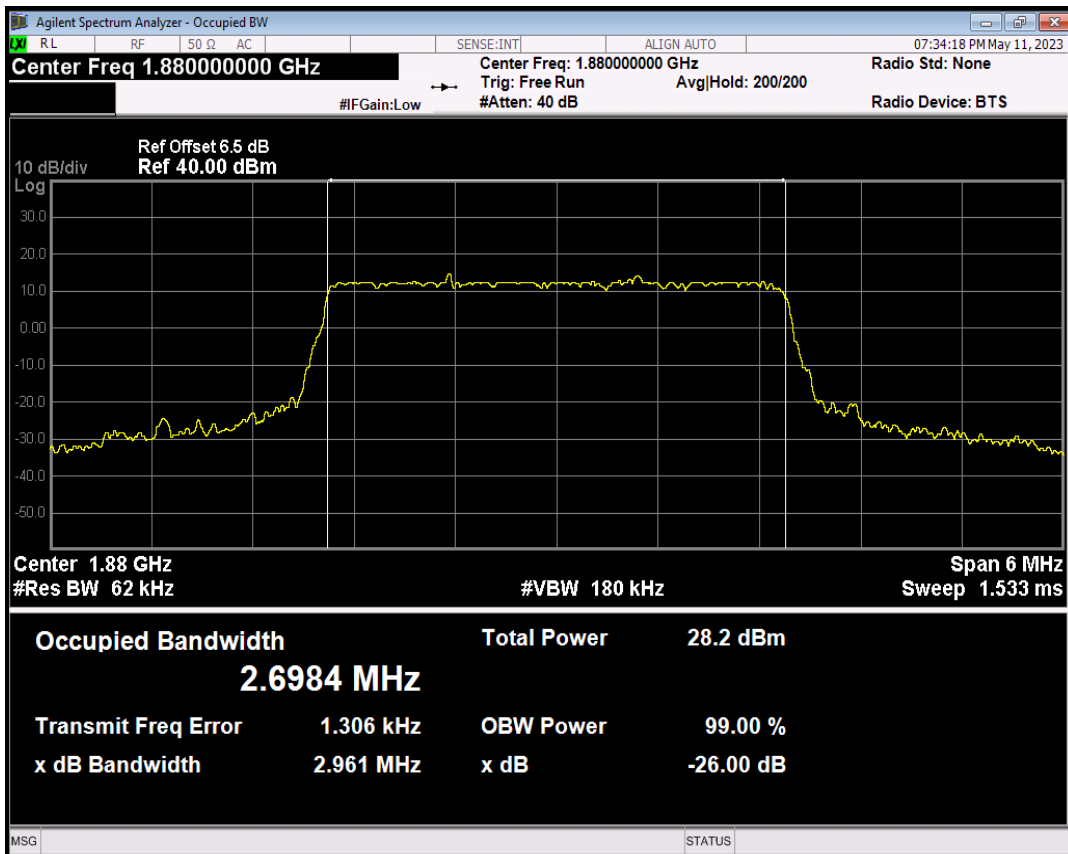


Band2 QPSK BW=3MHz Channel=18900 RB Size=15 Position=#0

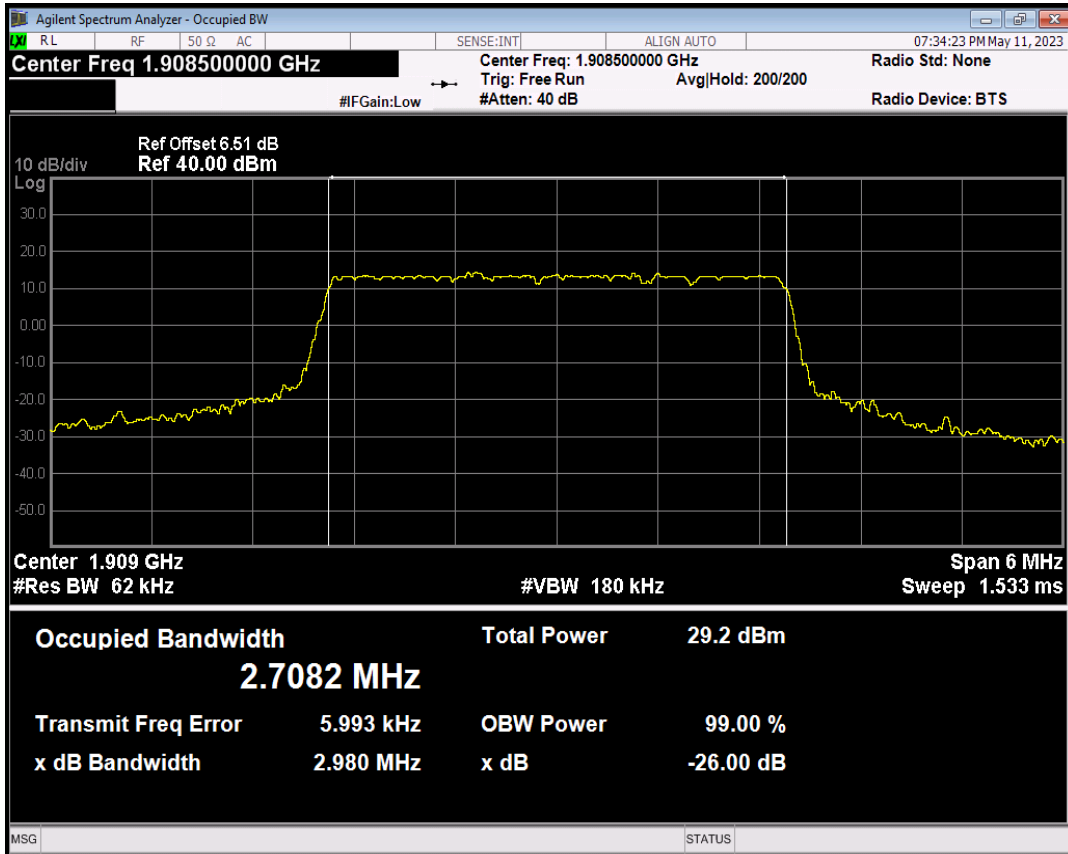




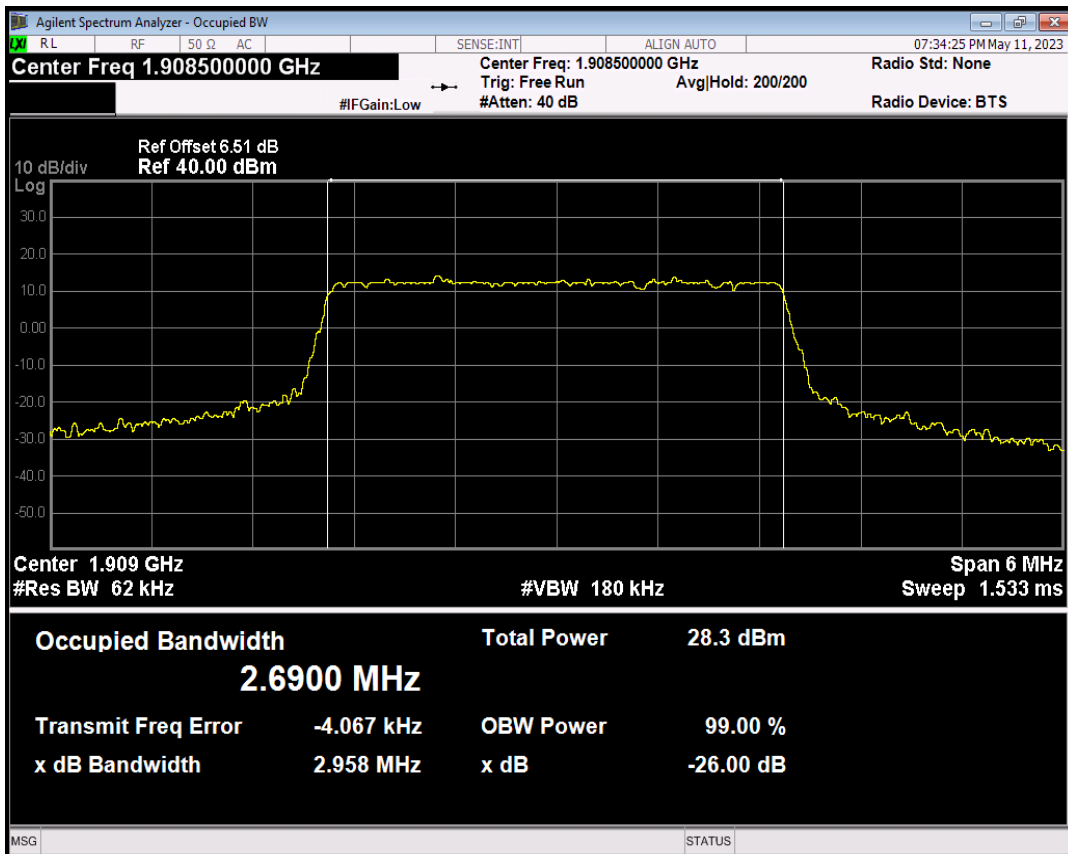
Band2 16QAM BW=3MHz Channel=18900 RB Size=15 Position=#0



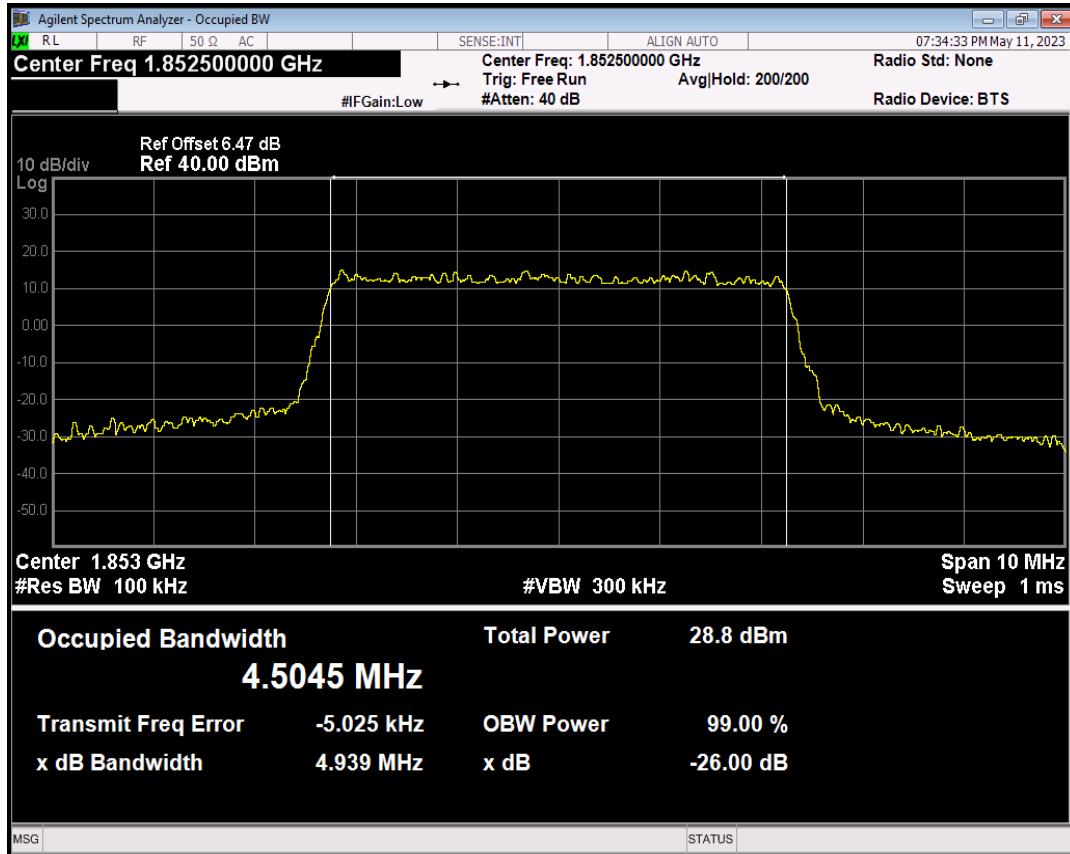
Band2 QPSK BW=3MHz Channel=19185 RB Size=15 Position=#0



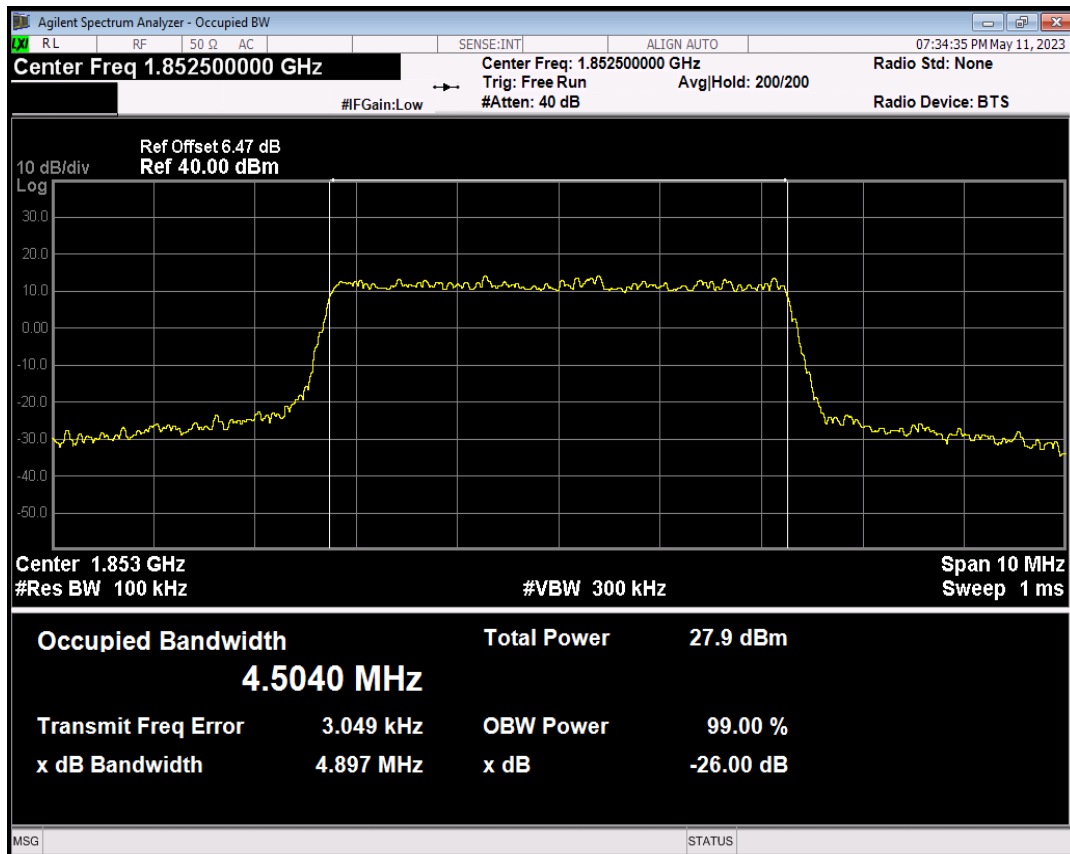
Band2 16QAM BW=3MHz Channel=19185 RB Size=15 Position=#0



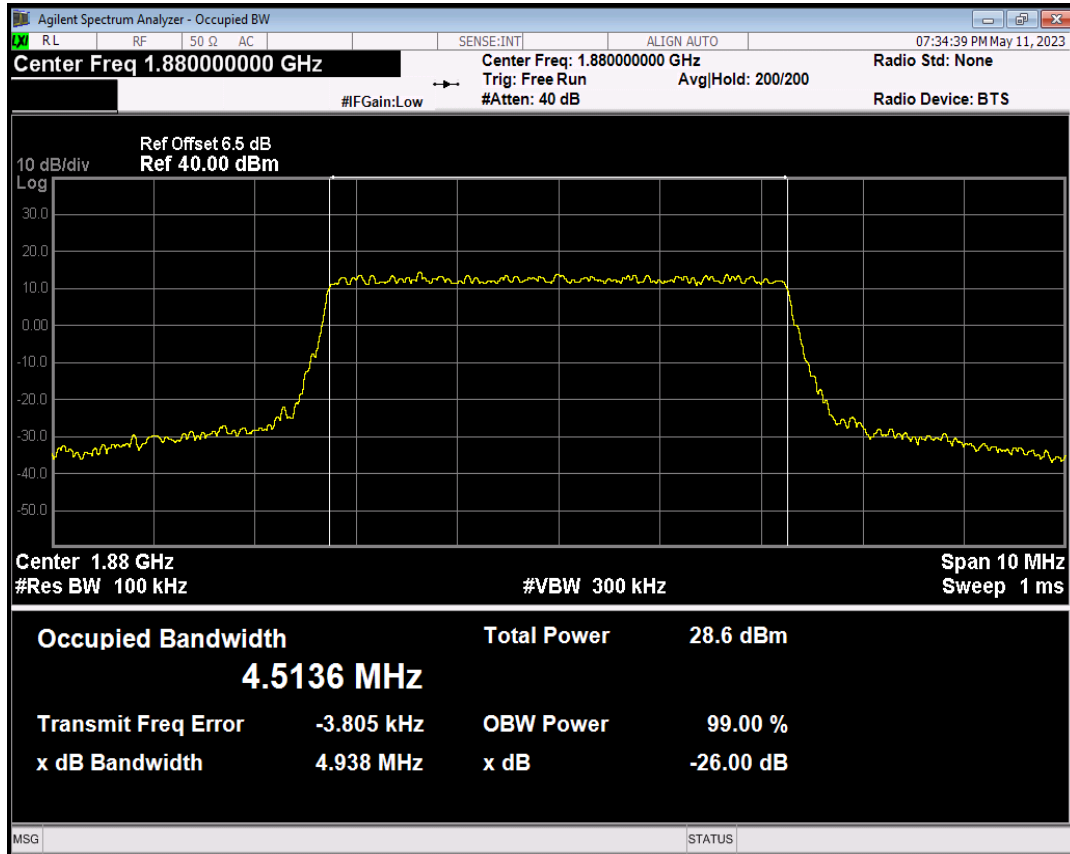
Band2 QPSK BW=5MHz Channel=18625 RB Size=25 Position=#0



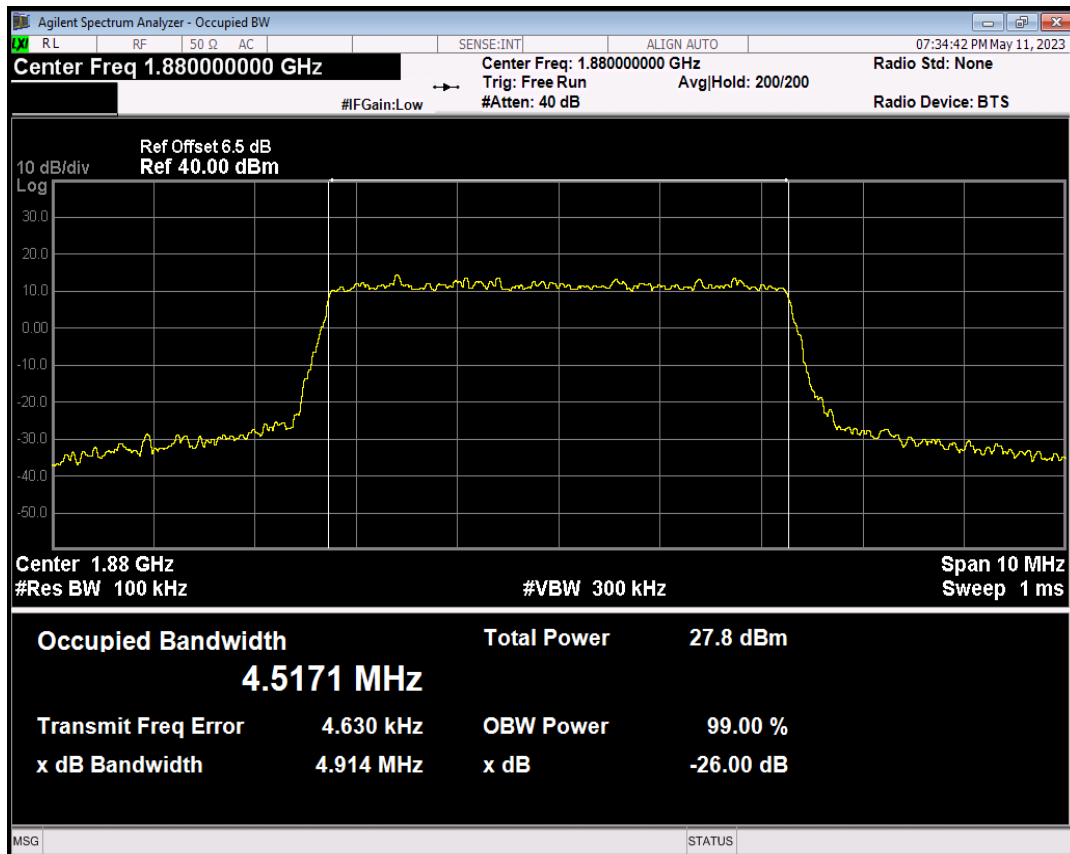
Band2 16QAM BW=5MHz Channel=18625 RB Size=25 Position=#0



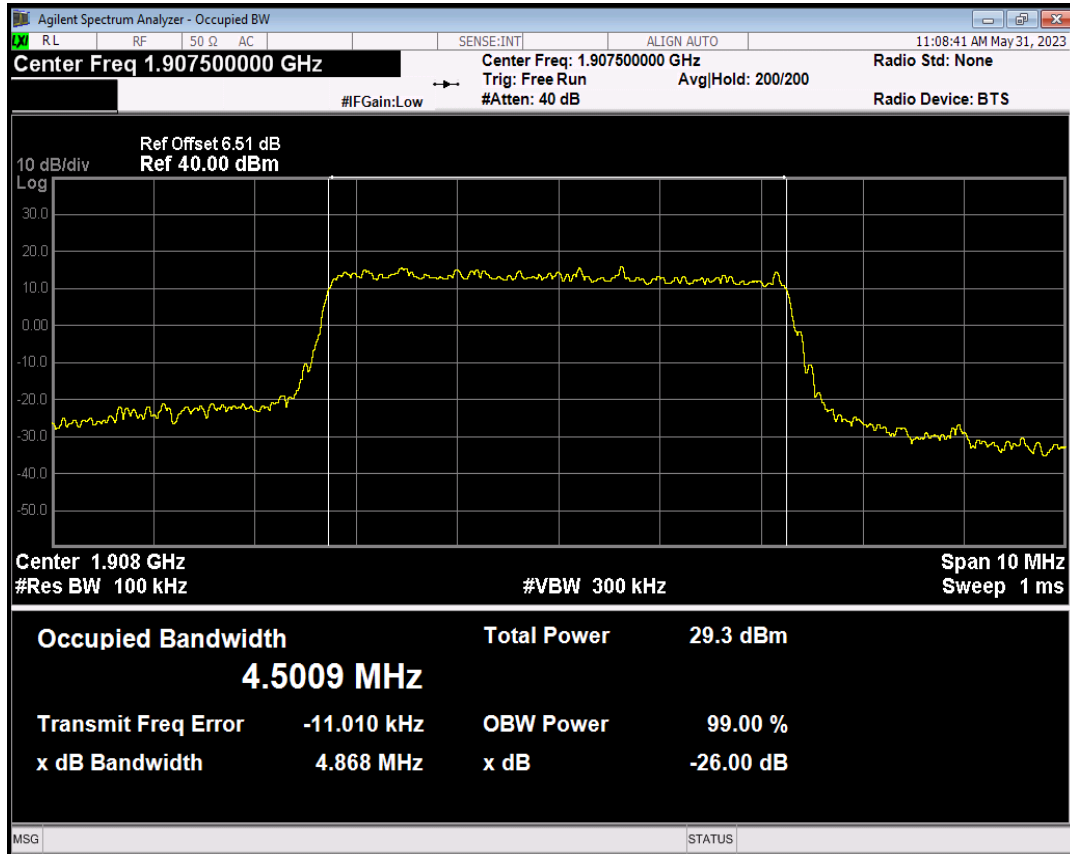
Band2 QPSK BW=5MHz Channel=18900 RB Size=25 Position=#0



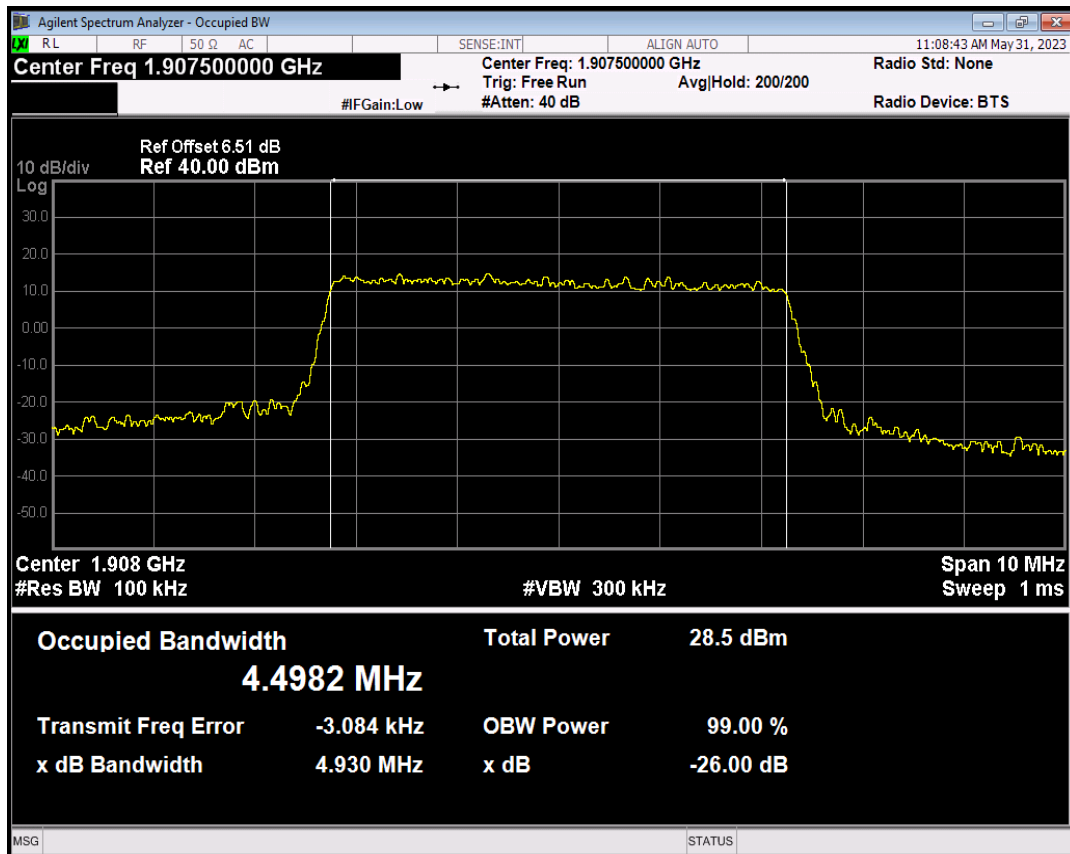
Band2 16QAM BW=5MHz Channel=18900 RB Size=25 Position=#0



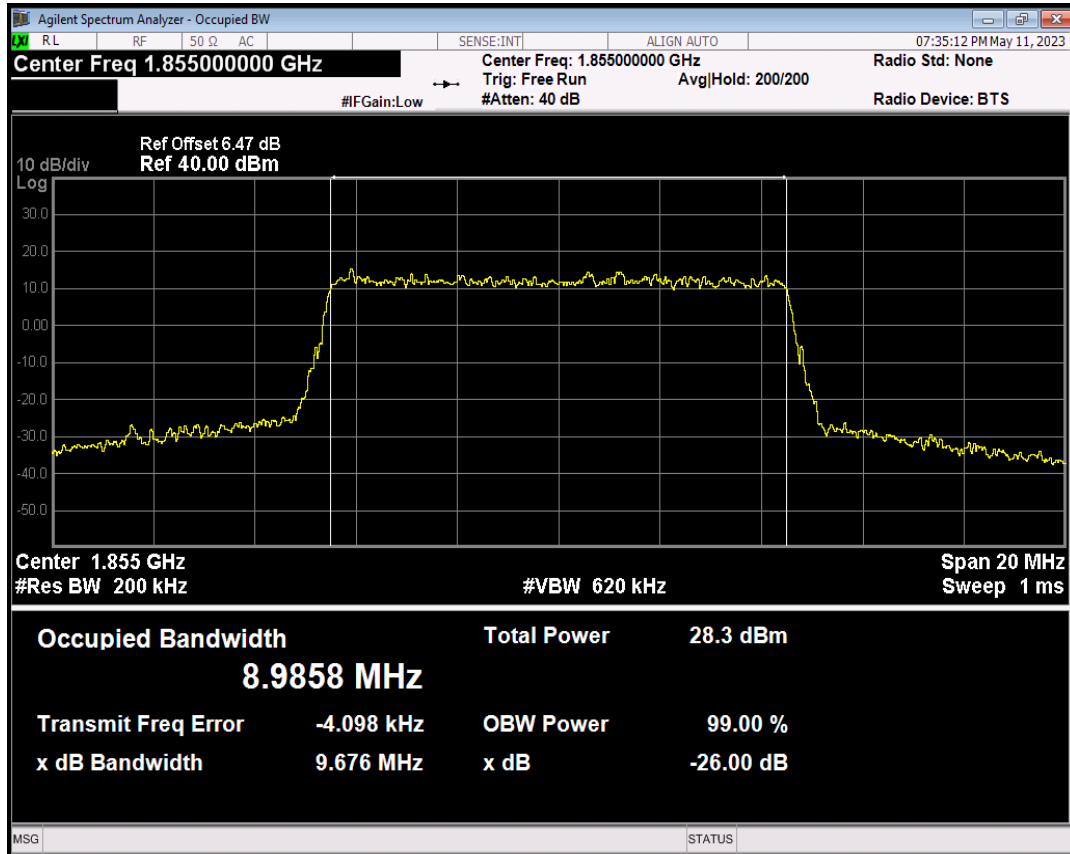
Band2 QPSK BW=5MHz Channel=19175 RB Size=25 Position=#0



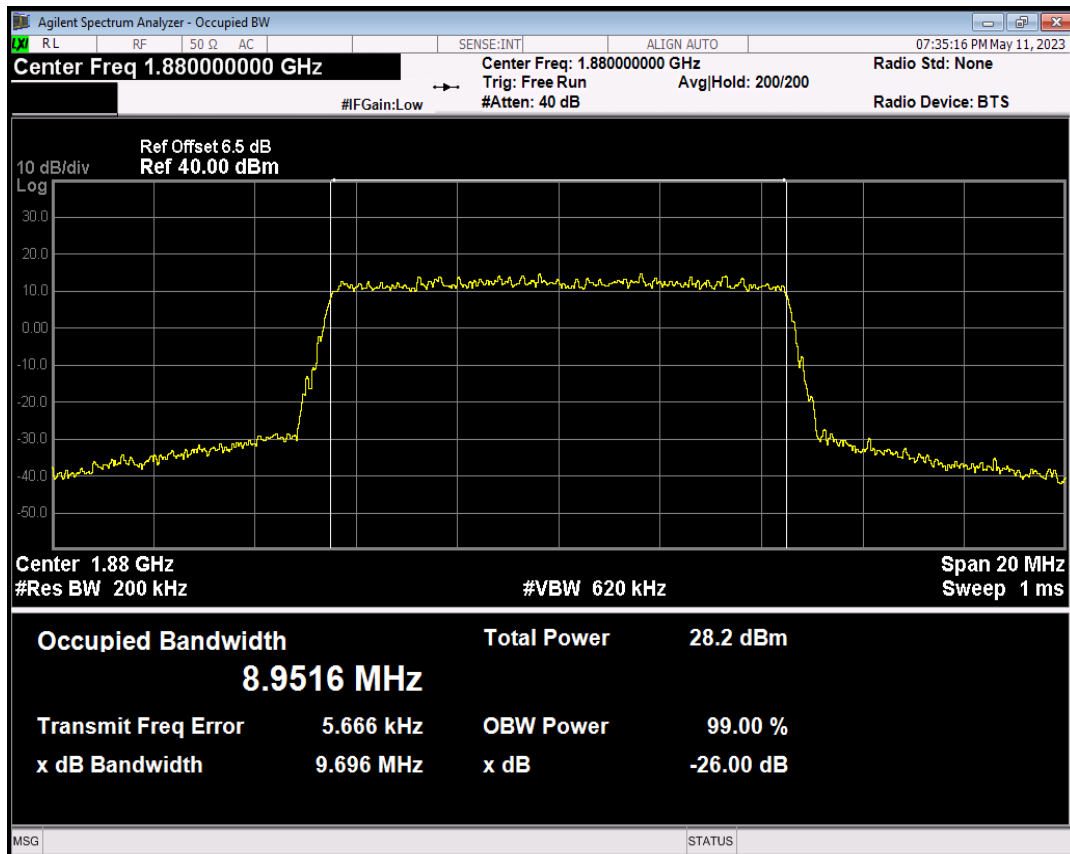
Band2 16QAM BW=5MHz Channel=19175 RB Size=25 Position=#0



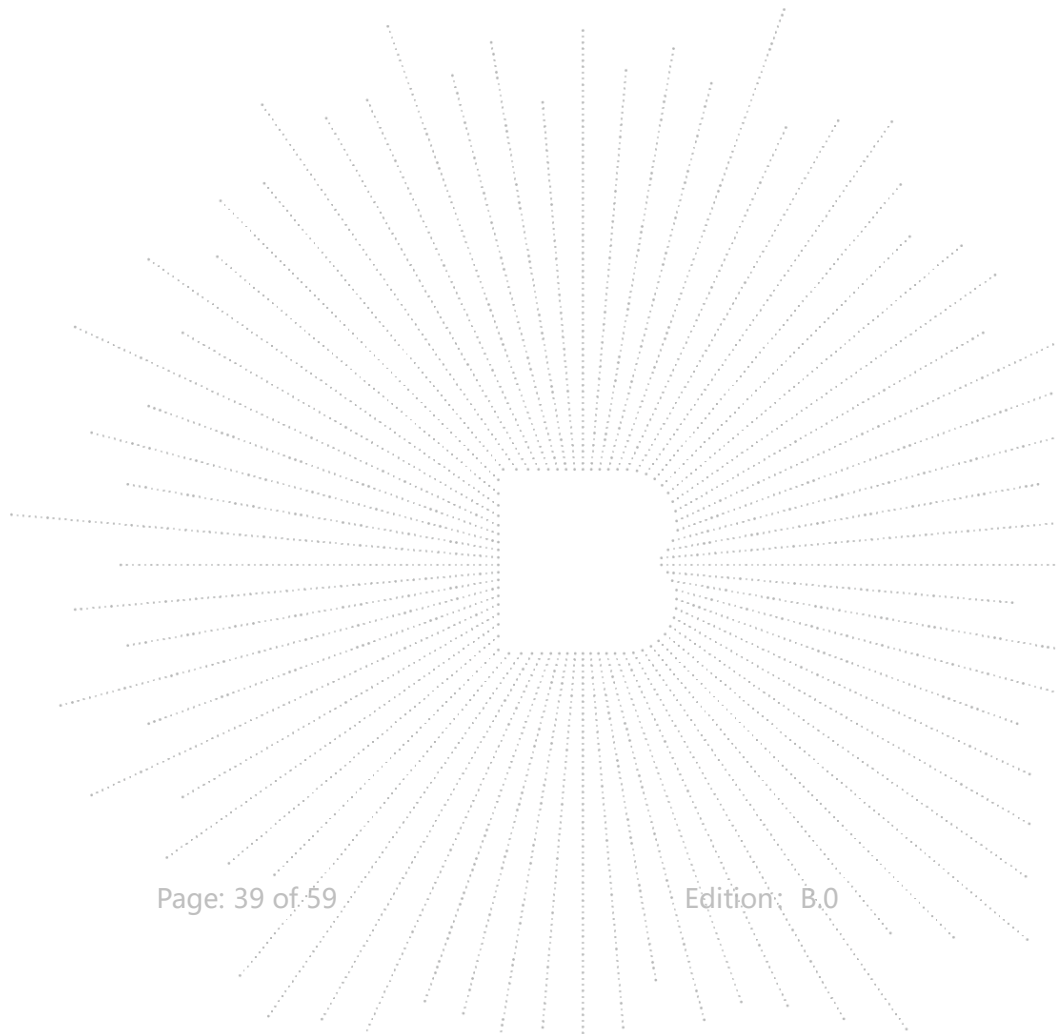
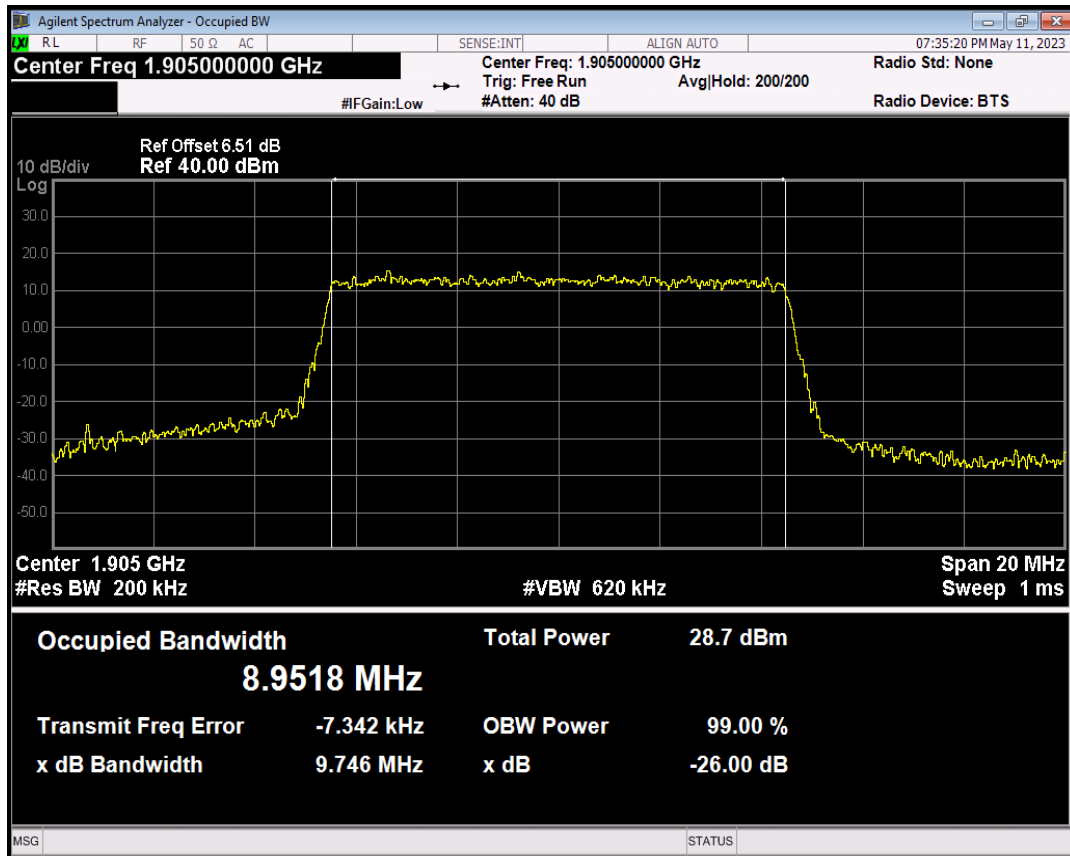
Band2 QPSK BW=10MHz Channel=18650 RB Size=50 Position=#0



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



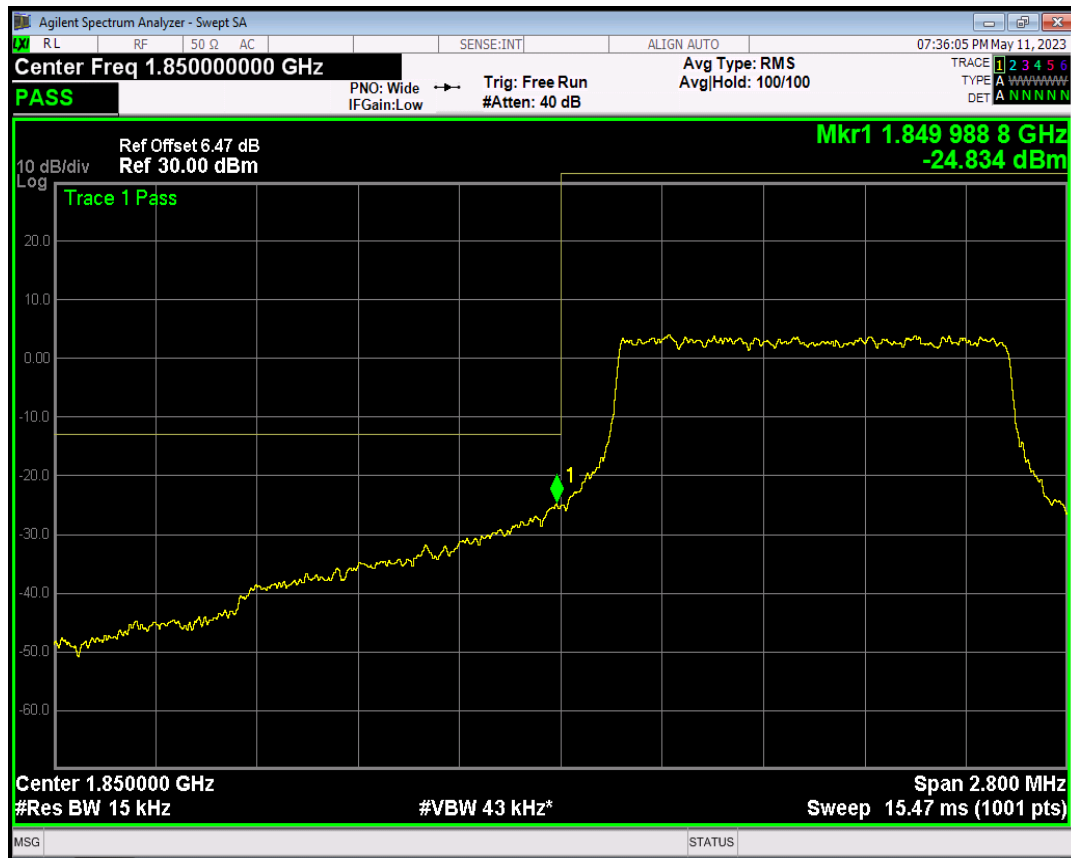
Band2 QPSK BW=10MHz Channel=19150 RB Size=50 Position=#0



## Appendix 5. Band edge

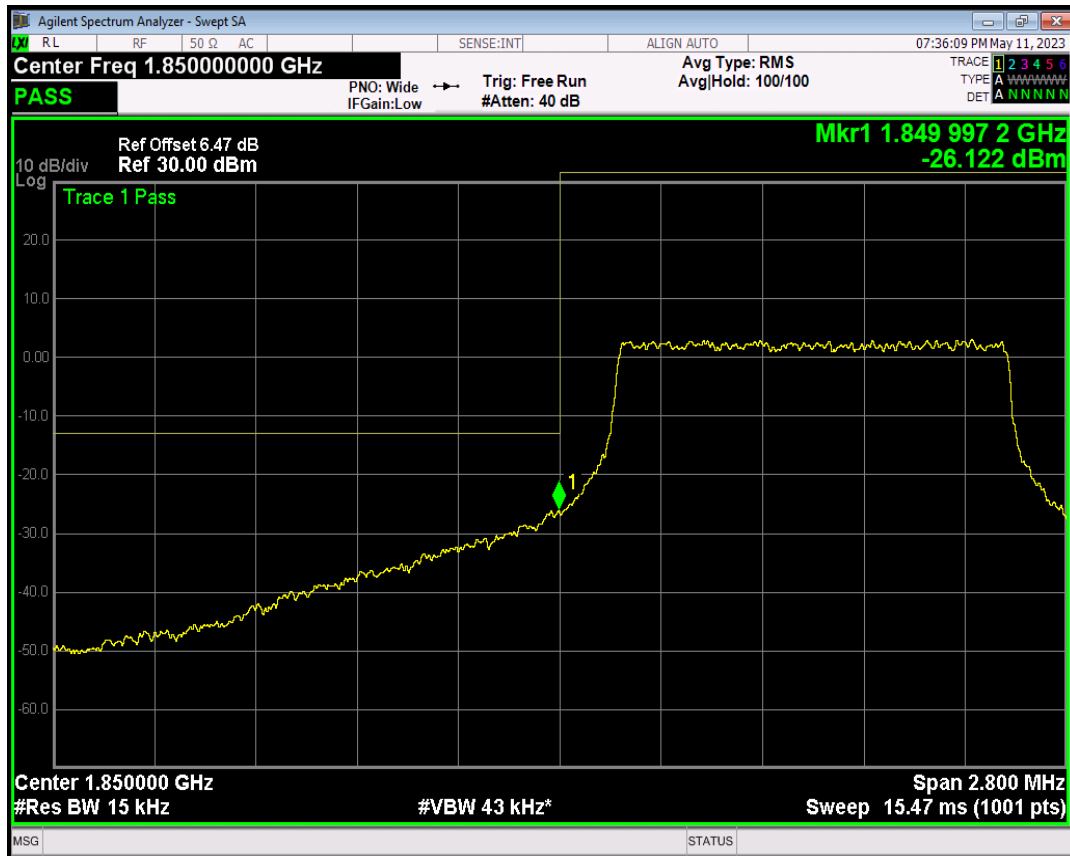
| Band  | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) | Verdict |
|-------|-----------------|------------|---------|-------------|------------|-----------------|------------------|-------------|---------|
| Band2 | 1.4             | 18607      | 6       | #0          | QPSK       | 1849.99         | -24.83           | -13         | PASS    |
| Band2 | 1.4             | 18607      | 6       | #0          | 16QAM      | 1850.00         | -26.12           | -13         | PASS    |
| Band2 | 1.4             | 19193      | 6       | #0          | QPSK       | 1910.00         | -22.75           | -13         | PASS    |
| Band2 | 1.4             | 19193      | 6       | #0          | 16QAM      | 1910.00         | -23.50           | -13         | PASS    |
| Band2 | 3               | 18615      | 15      | #0          | QPSK       | 1850.00         | -27.43           | -13         | PASS    |
| Band2 | 3               | 18615      | 15      | #0          | 16QAM      | 1850.00         | -29.12           | -13         | PASS    |
| Band2 | 3               | 19185      | 15      | #0          | QPSK       | 1910.00         | -27.53           | -13         | PASS    |
| Band2 | 3               | 19185      | 15      | #0          | 16QAM      | 1910.00         | -28.36           | -13         | PASS    |
| Band2 | 5               | 18625      | 25      | #0          | QPSK       | 1849.98         | -30.21           | -13         | PASS    |
| Band2 | 5               | 18625      | 25      | #0          | 16QAM      | 1850.00         | -31.97           | -13         | PASS    |
| Band2 | 5               | 19175      | 25      | #0          | QPSK       | 1910.00         | -31.31           | -13         | PASS    |
| Band2 | 5               | 19175      | 25      | #0          | 16QAM      | 1910.00         | -30.74           | -13         | PASS    |
| Band2 | 10              | 18650      | 50      | #0          | QPSK       | 1850.00         | -35.18           | -13         | PASS    |
| Band2 | 10              | 19150      | 50      | #0          | QPSK       | 1910.02         | -38.50           | -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





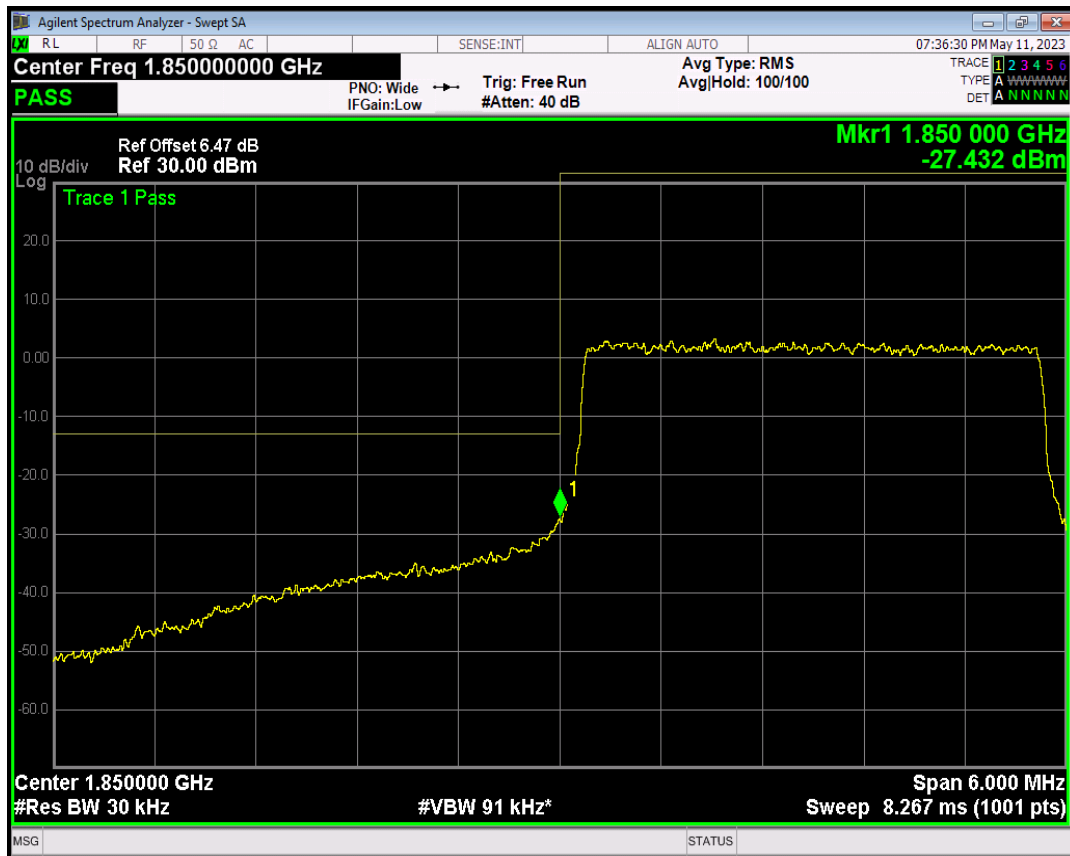
Band2 QPSK BW=1.4MHz Channel=19193 RB Size=6 Position=#0



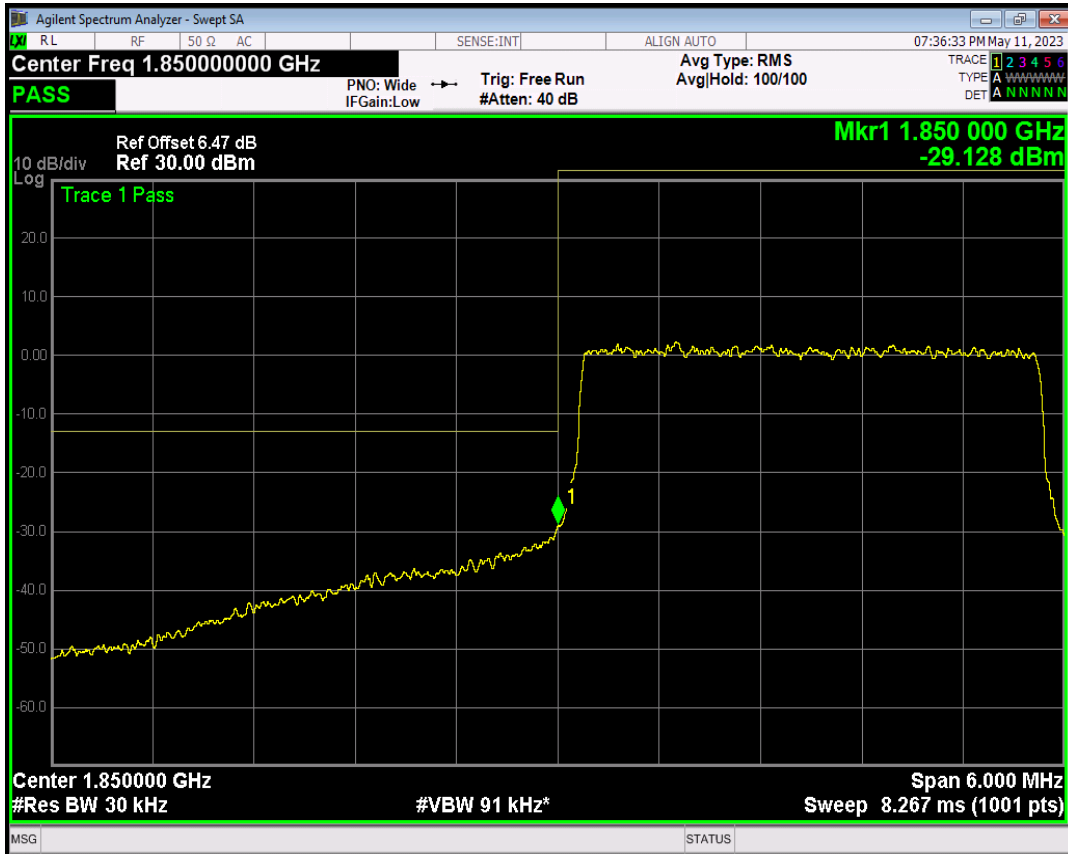
Band2 16QAM BW=1.4MHz Channel=19193 RB Size=6 Position=#0



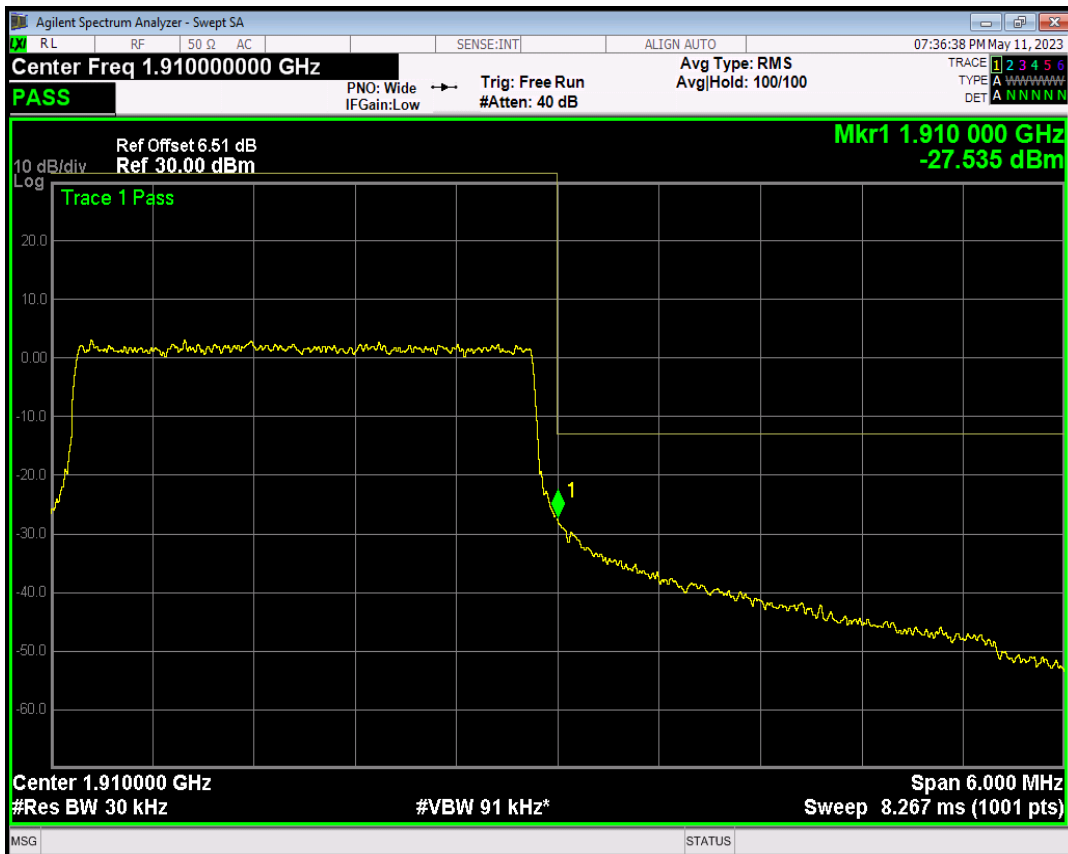
Band2 QPSK BW=3MHz Channel=18615 RB Size=15 Position=#0



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



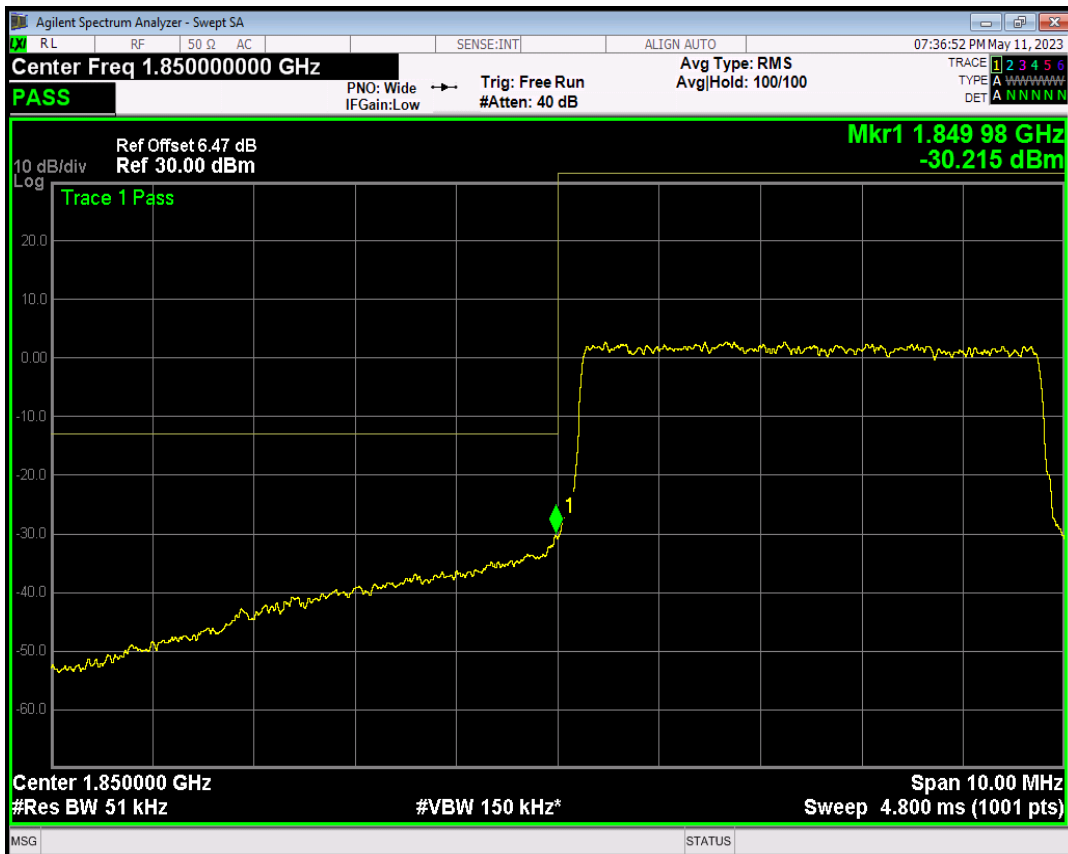
Band2 QPSK BW=3MHz Channel=19185 RB Size=15 Position=#0



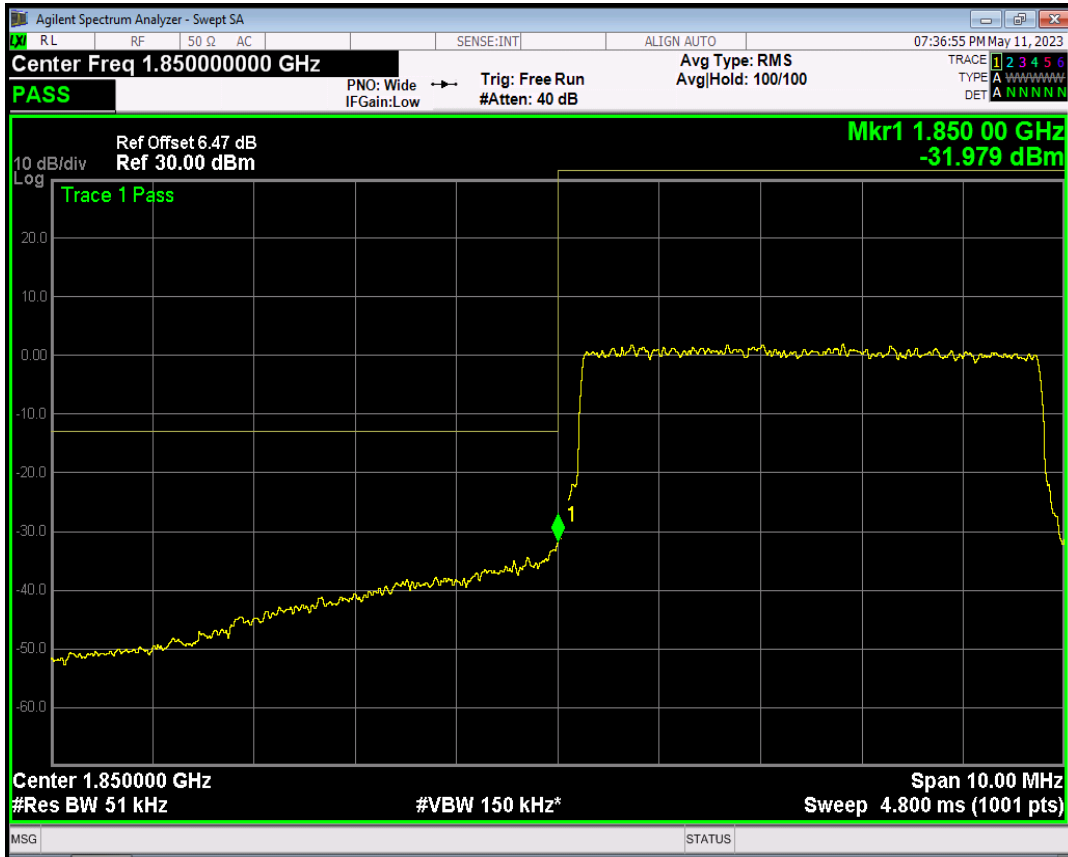
Band2 16QAM BW=3MHz Channel=19185 RB Size=15 Position=#0



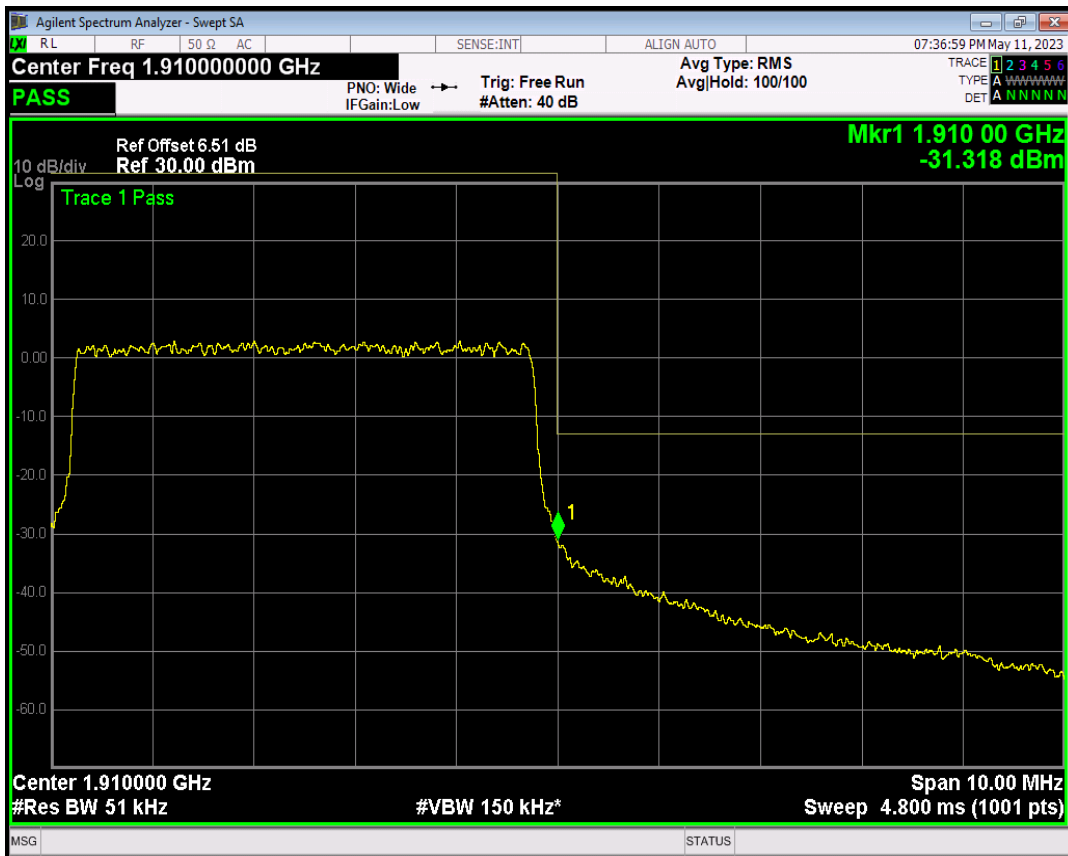
Band2 QPSK BW=5MHz Channel=18625 RB Size=25 Position=#0



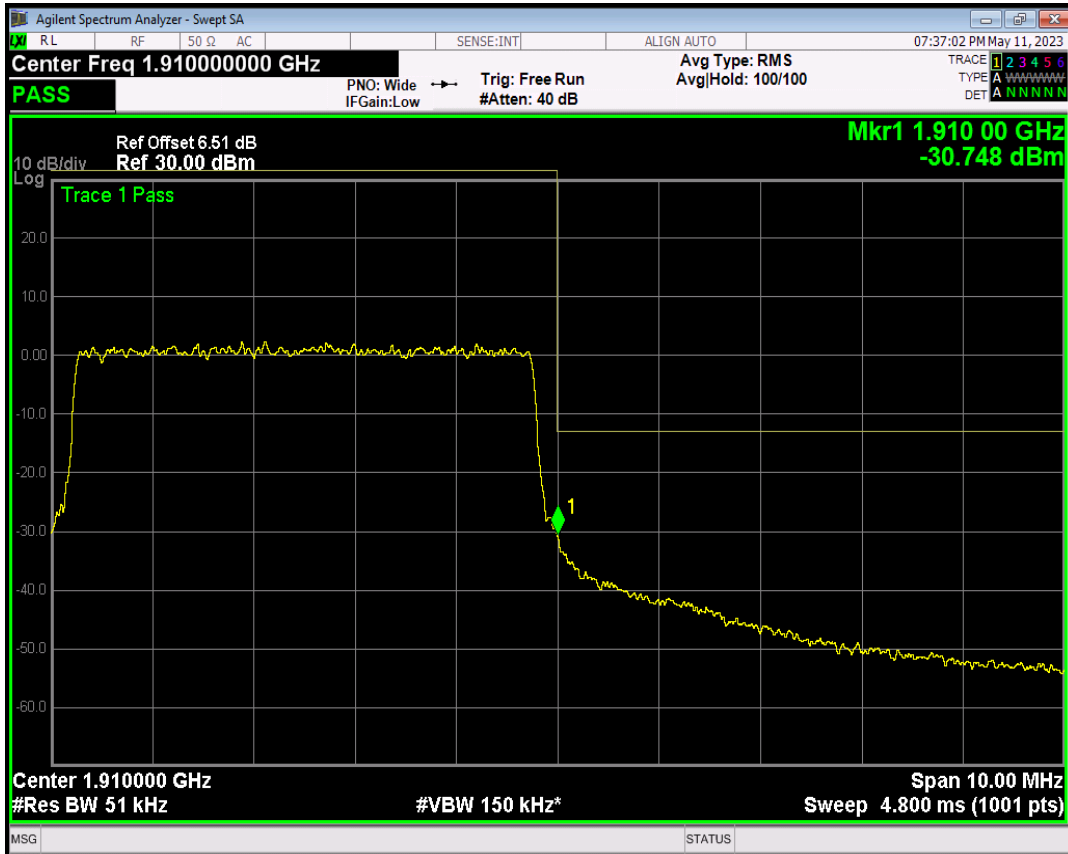
Band2 16QAM BW=5MHz Channel=18625 RB Size=25 Position=#0



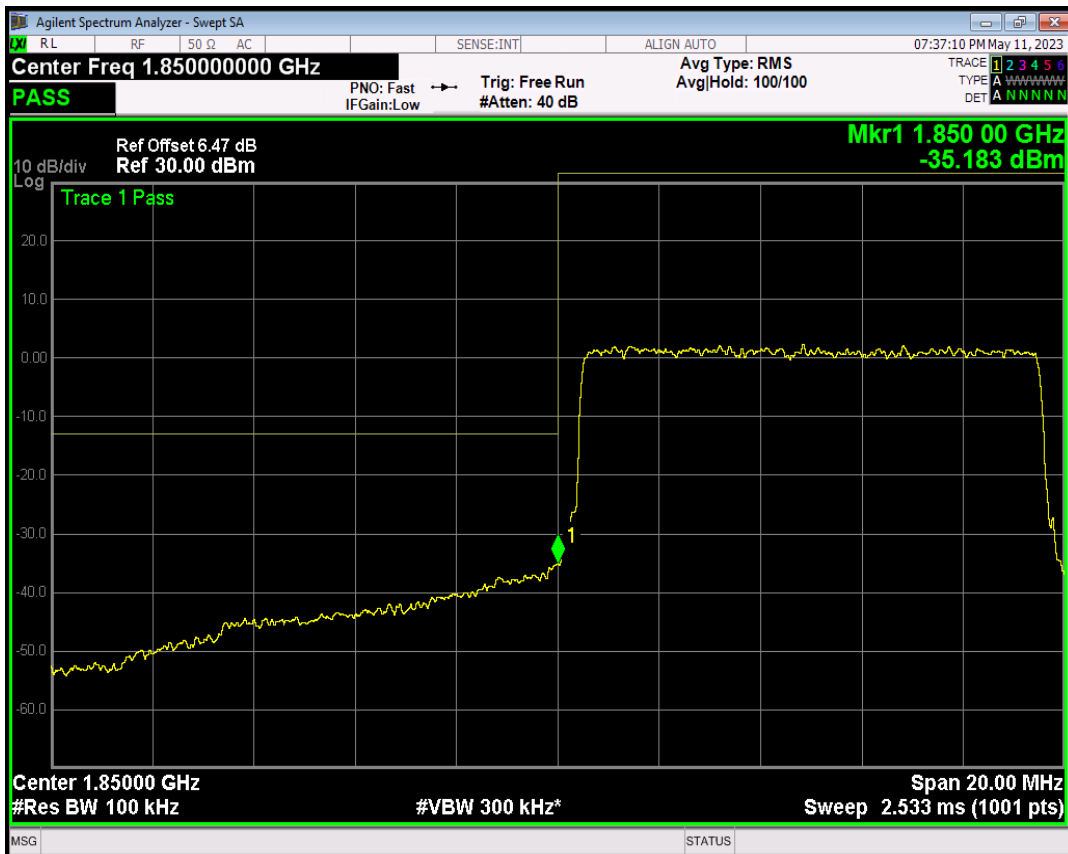
Band2 QPSK BW=5MHz Channel=19175 RB Size=25 Position=#0



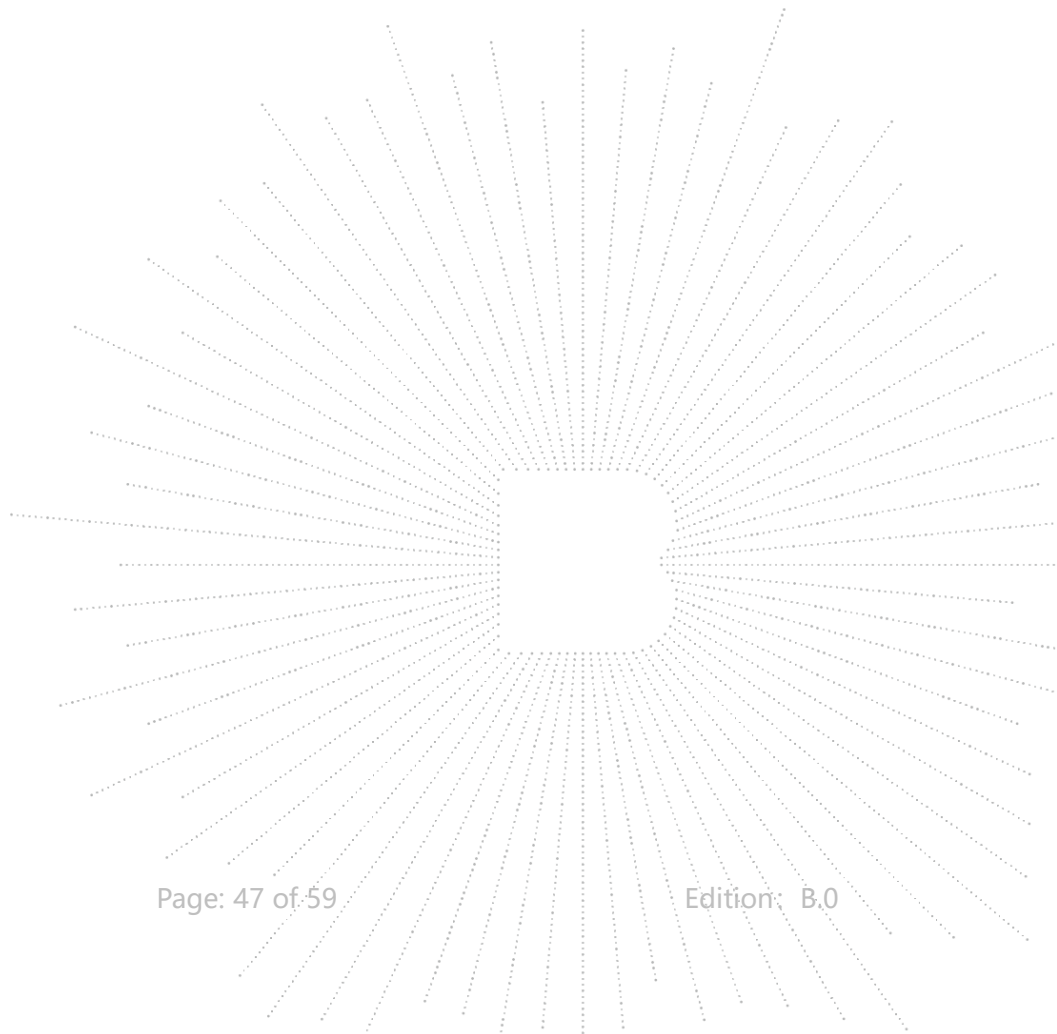
Band2 16QAM BW=5MHz Channel=19175 RB Size=25 Position=#0



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



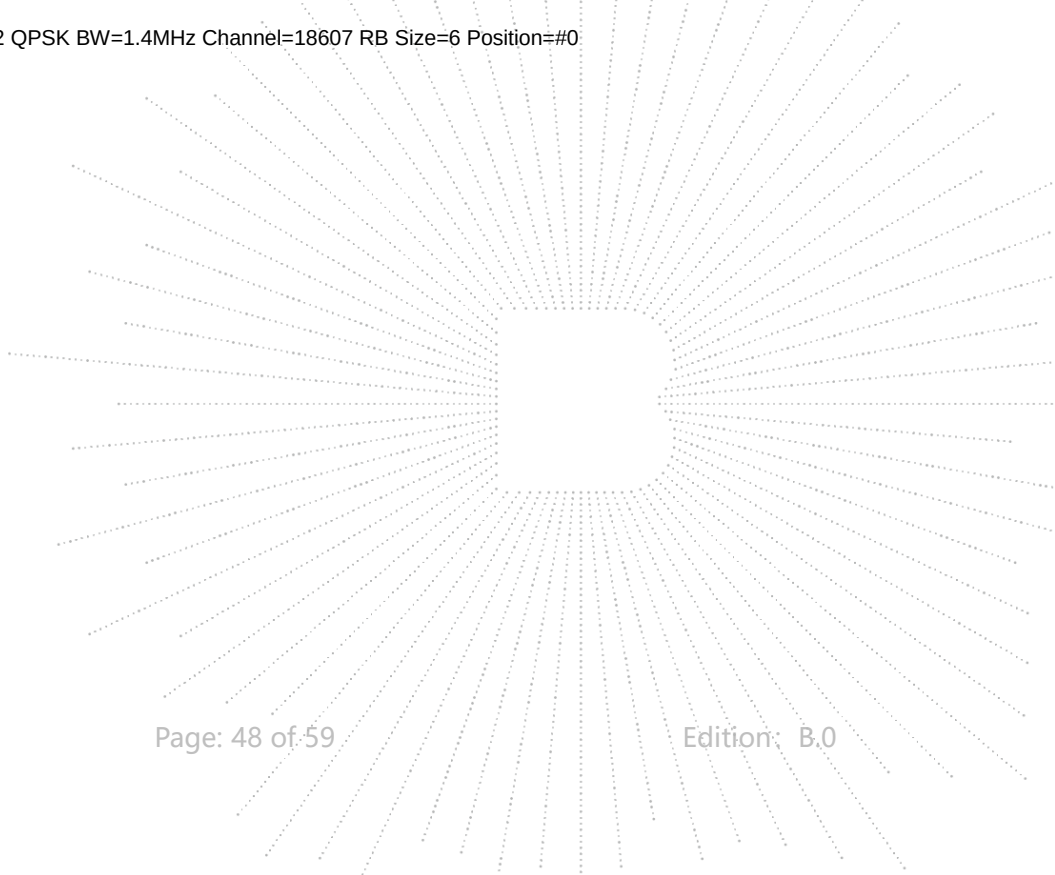
Band2 QPSK BW=10MHz Channel=19150 RB Size=50 Position=#0



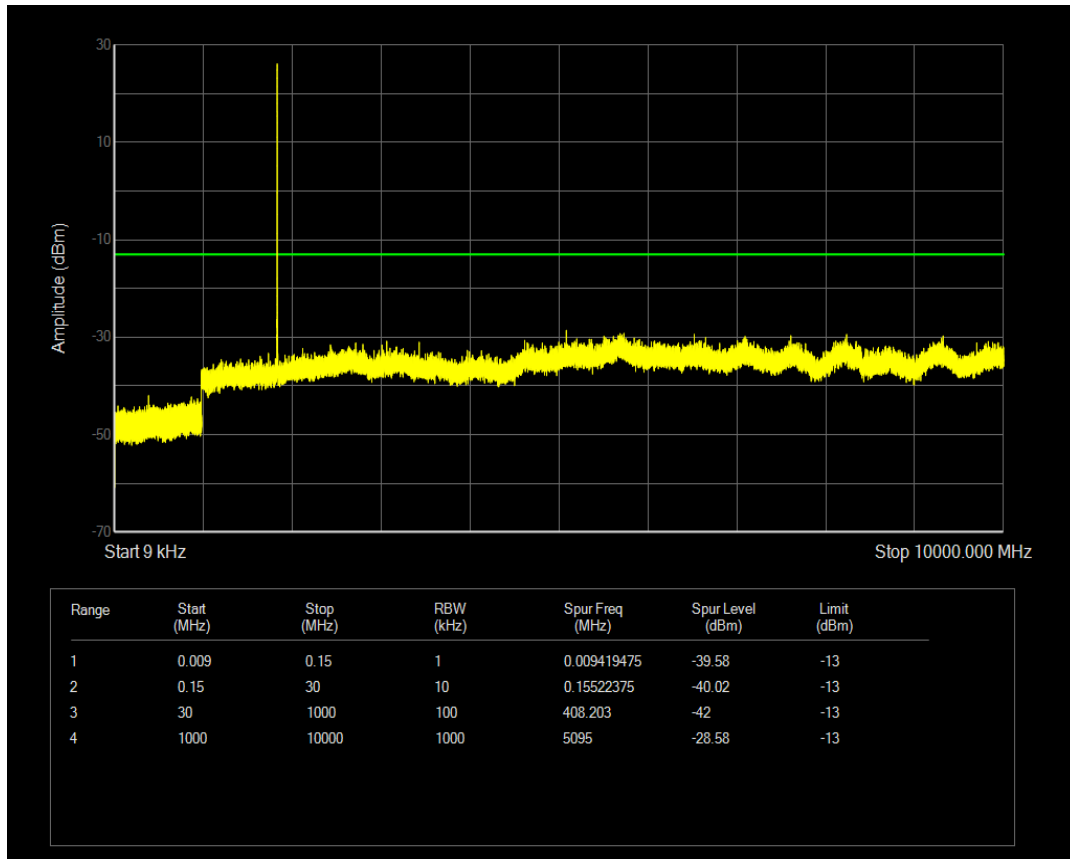
## Appendix 6. Out-of-band emissions

| 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       | 5095.00            | -28.58              | -13            | PASS    |
| Band2 | 1.4                | 18607         | 6          | #0             | 16QAM      | 5705.20            | -28.20              | -13            | PASS    |
| Band2 | 1.4                | 18900         | 6          | #0             | QPSK       | 5690.80            | -28.64              | -13            | PASS    |
| Band2 | 1.4                | 18900         | 6          | #0             | 16QAM      | 5667.63            | -28.93              | -13            | PASS    |
| Band2 | 1.4                | 19193         | 6          | #0             | QPSK       | 5653.23            | -29.23              | -13            | PASS    |
| Band2 | 1.4                | 19193         | 6          | #0             | 16QAM      | 9270.55            | -29.32              | -13            | PASS    |
| Band2 | 3                  | 18615         | 15         | #0             | QPSK       | 5667.85            | -28.89              | -13            | PASS    |
| Band2 | 3                  | 18615         | 15         | #0             | 16QAM      | 9289.23            | -29.20              | -13            | PASS    |
| Band2 | 3                  | 18900         | 15         | #0             | QPSK       | 8213.28            | -28.56              | -13            | PASS    |
| Band2 | 3                  | 18900         | 15         | #0             | 16QAM      | 5705.65            | -28.84              | -13            | PASS    |
| Band2 | 3                  | 19185         | 15         | #0             | QPSK       | 5586.85            | -28.64              | -13            | PASS    |
| Band2 | 3                  | 19185         | 15         | #0             | 16QAM      | 5687.20            | -27.94              | -13            | PASS    |
| Band2 | 5                  | 18625         | 25         | #0             | QPSK       | 5629.15            | -29.00              | -13            | PASS    |
| Band2 | 5                  | 18625         | 25         | #0             | 16QAM      | 5767.75            | -29.12              | -13            | PASS    |
| Band2 | 5                  | 18900         | 25         | #0             | QPSK       | 9324.55            | -28.83              | -13            | PASS    |
| Band2 | 5                  | 18900         | 25         | #0             | 16QAM      | 5717.35            | -29.18              | -13            | PASS    |
| Band2 | 5                  | 19175         | 25         | #0             | QPSK       | 5648.73            | -29.02              | -13            | PASS    |
| Band2 | 5                  | 19175         | 25         | #0             | 16QAM      | 5699.58            | -28.84              | -13            | PASS    |
| Band2 | 10                 | 18650         | 50         | #0             | QPSK       | 5670.78            | -29.14              | -13            | PASS    |
| Band2 | 10                 | 18900         | 50         | #0             | QPSK       | 9919.00            | -28.71              | -13            | PASS    |
| Band2 | 10                 | 19150         | 50         | #0             | QPSK       | 5776.75            | -29.42              | -13            | PASS    |

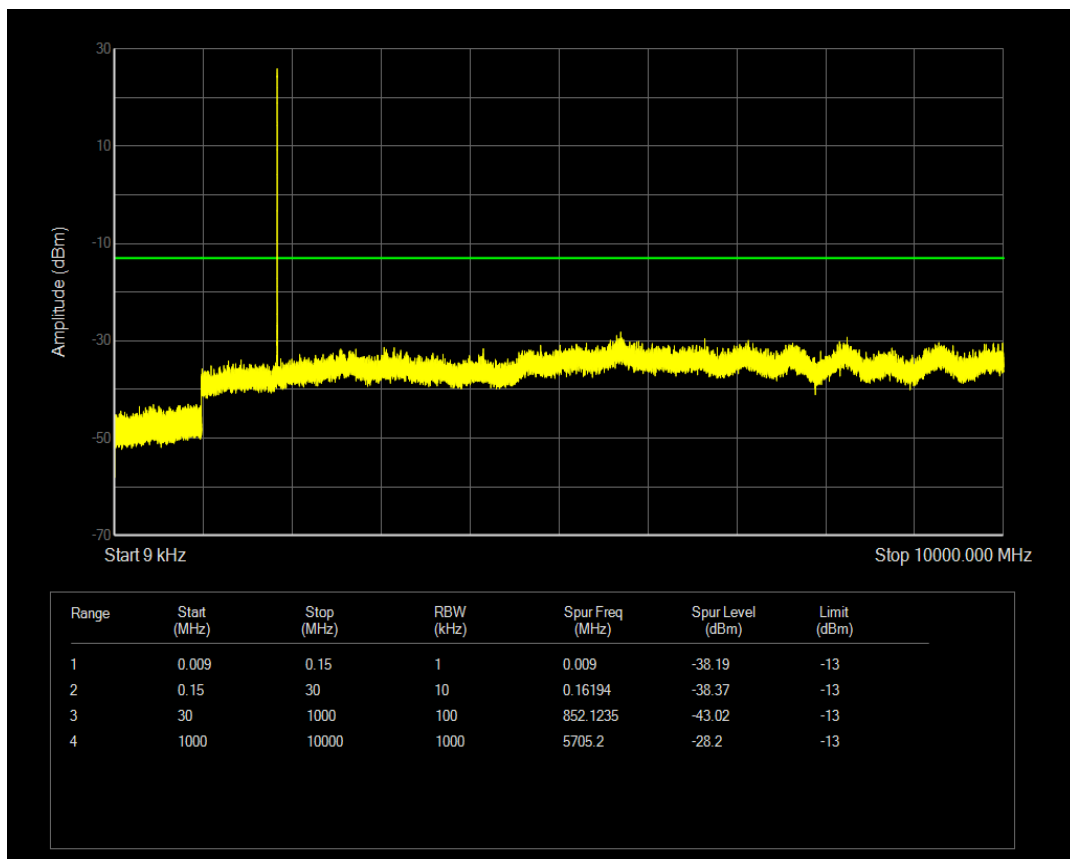
Band2 QPSK BW=1.4MHz Channel=18607 RB Size=6 Position=#0



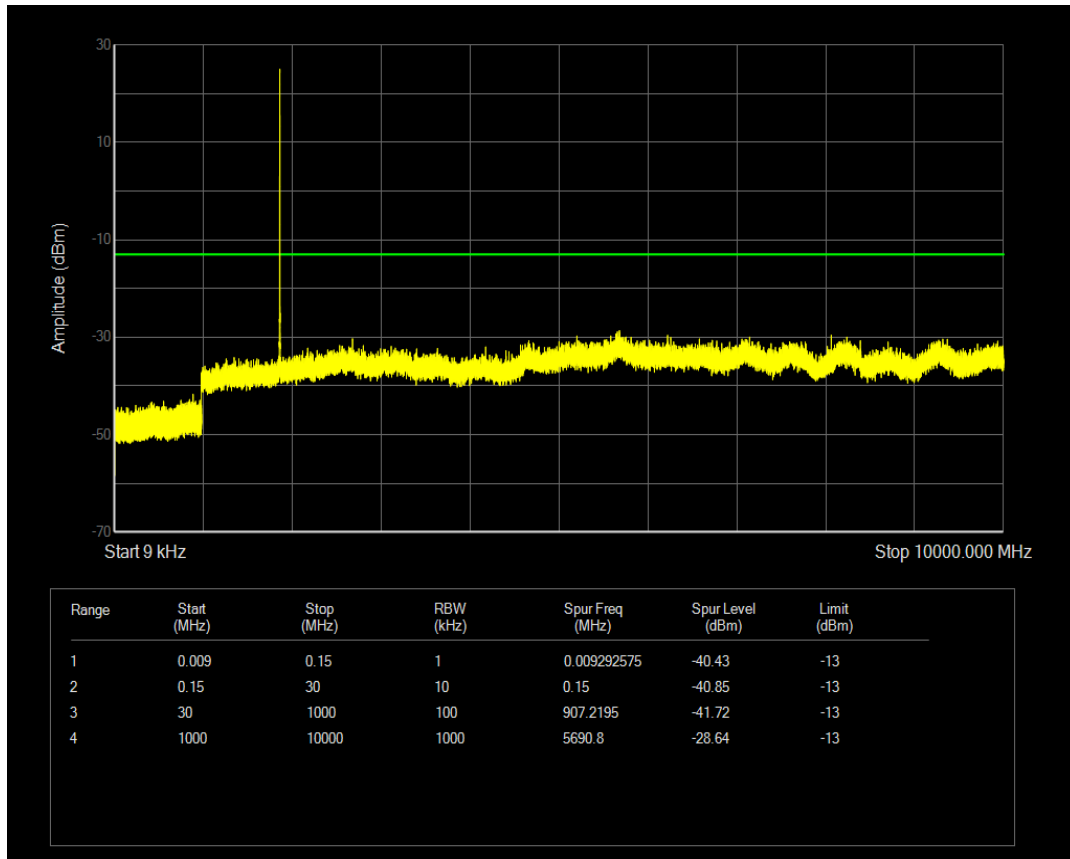




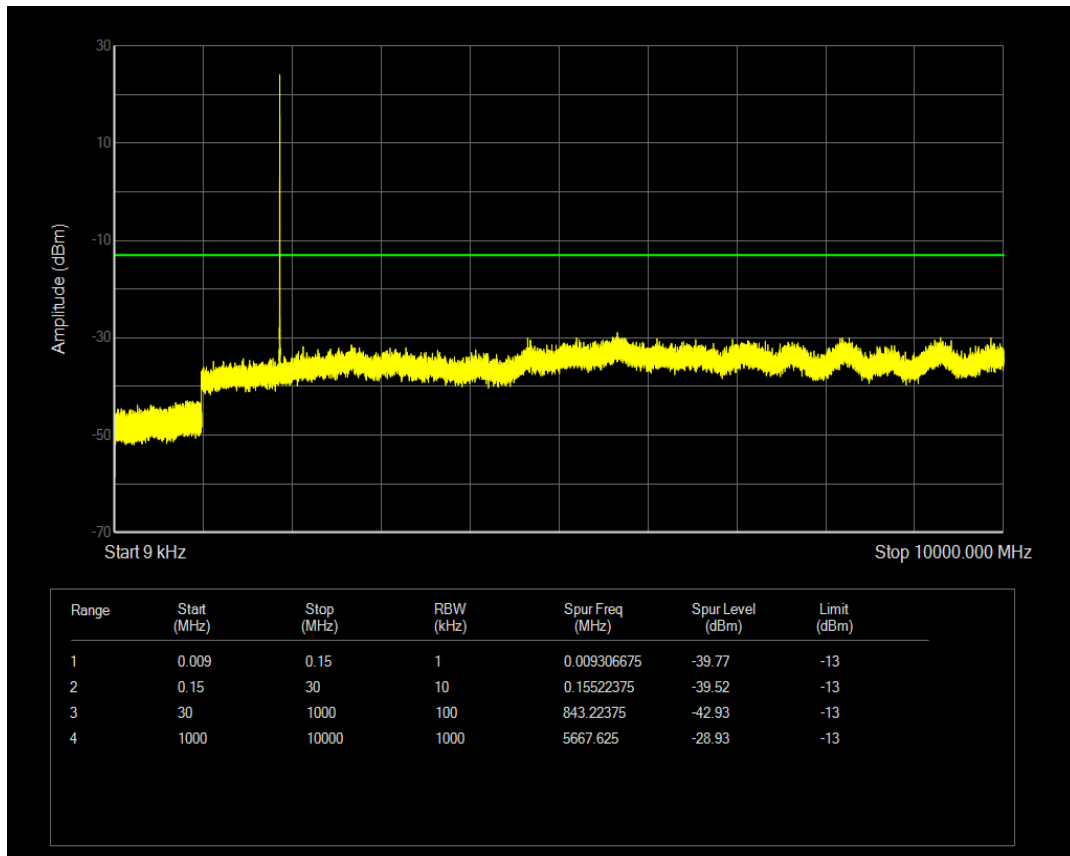
Band2 16QAM BW=1.4MHz Channel=18607 RB Size=6 Position=#0



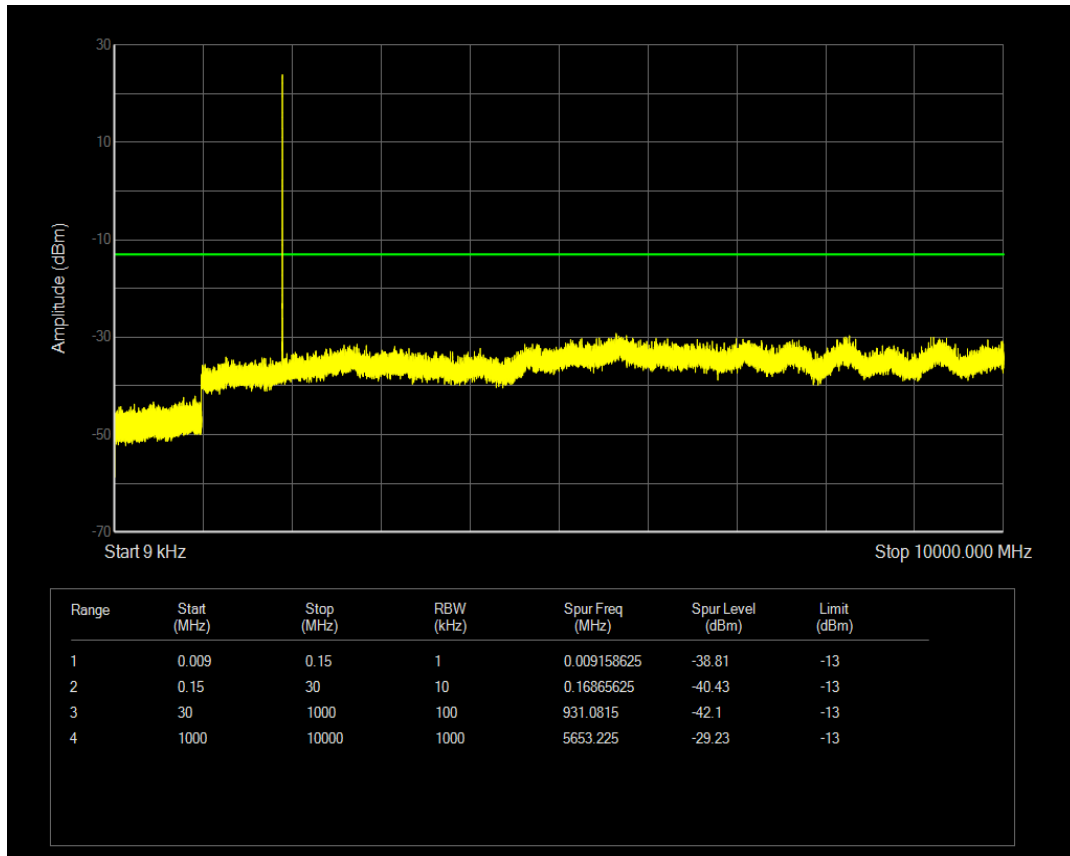
Band2 QPSK BW=1.4MHz Channel=18900 RB Size=6 Position=#0



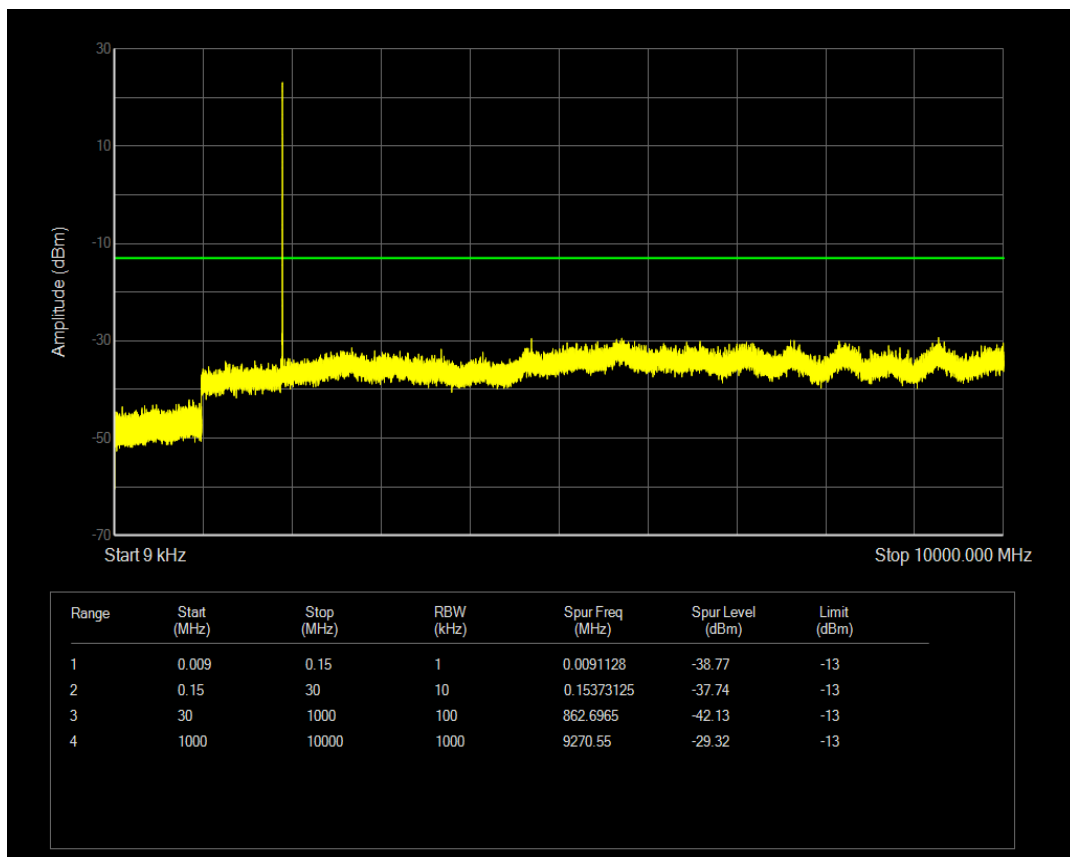
Band2 16QAM BW=1.4MHz Channel=18900 RB Size=6 Position=#0



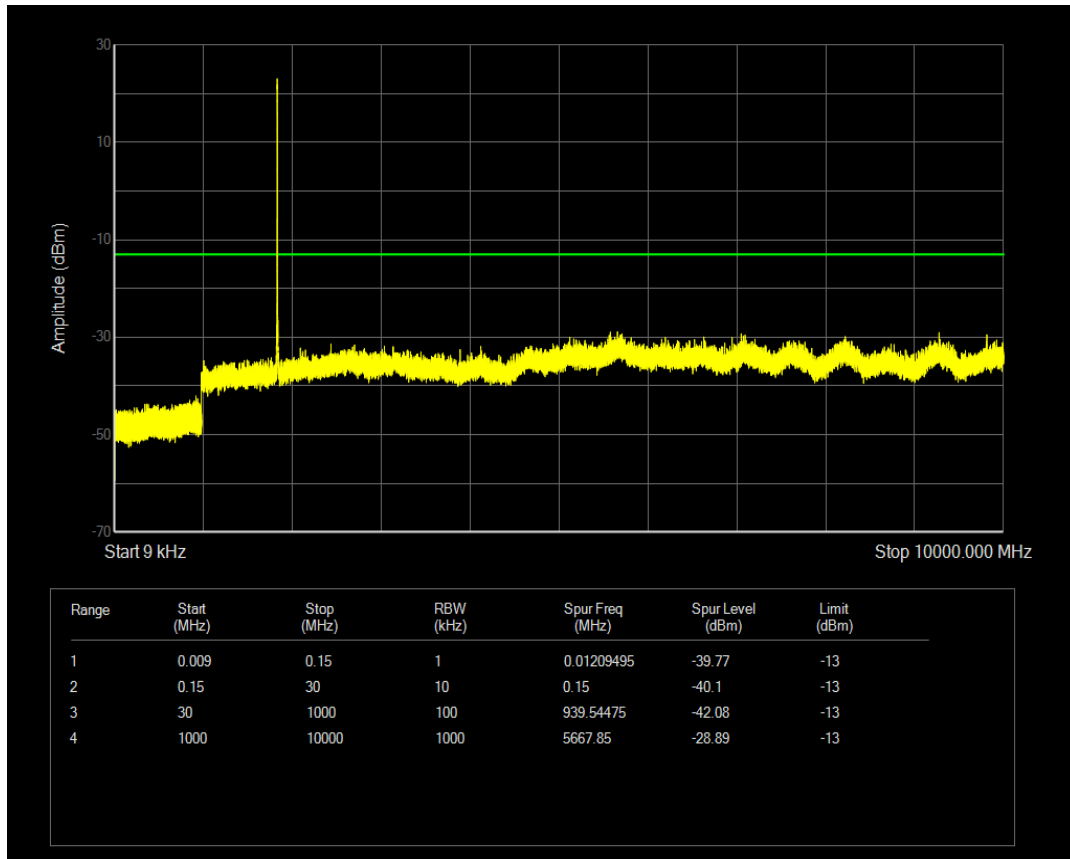
Band2 QPSK BW=1.4MHz Channel=19193 RB Size=6 Position=#0



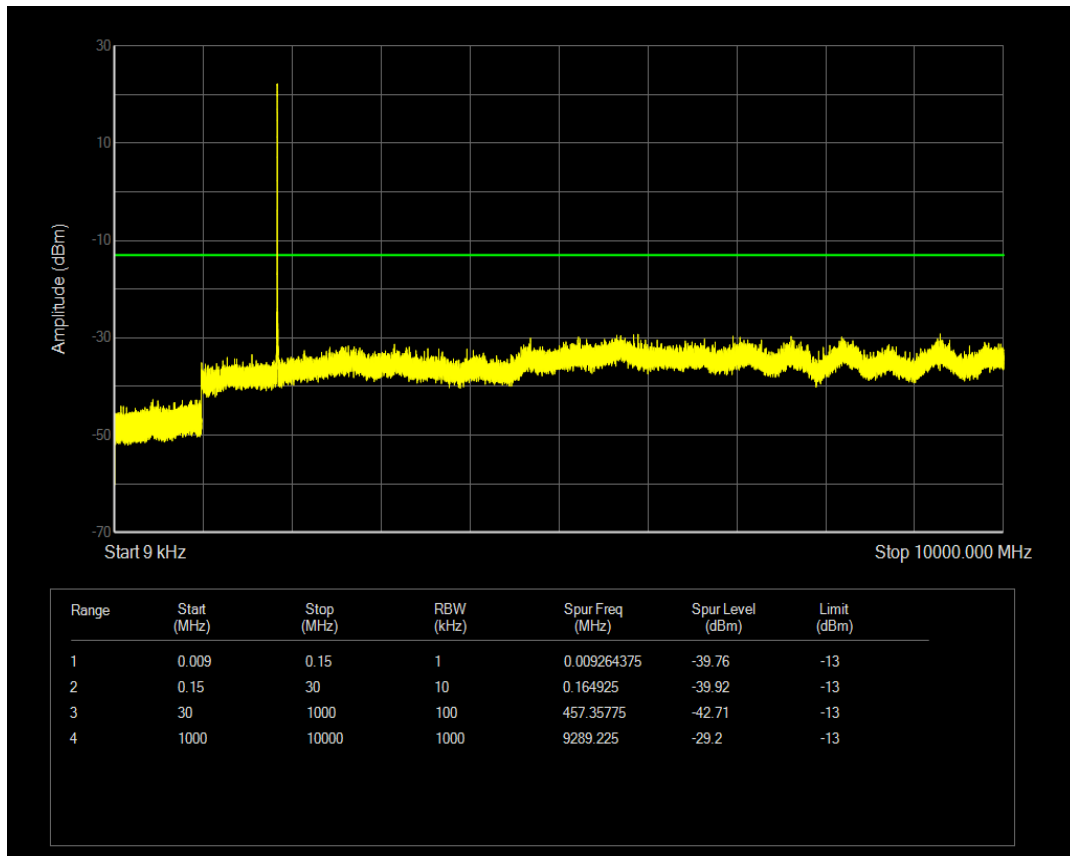
Band2 16QAM BW=1.4MHz Channel=19193 RB Size=6 Position=#0



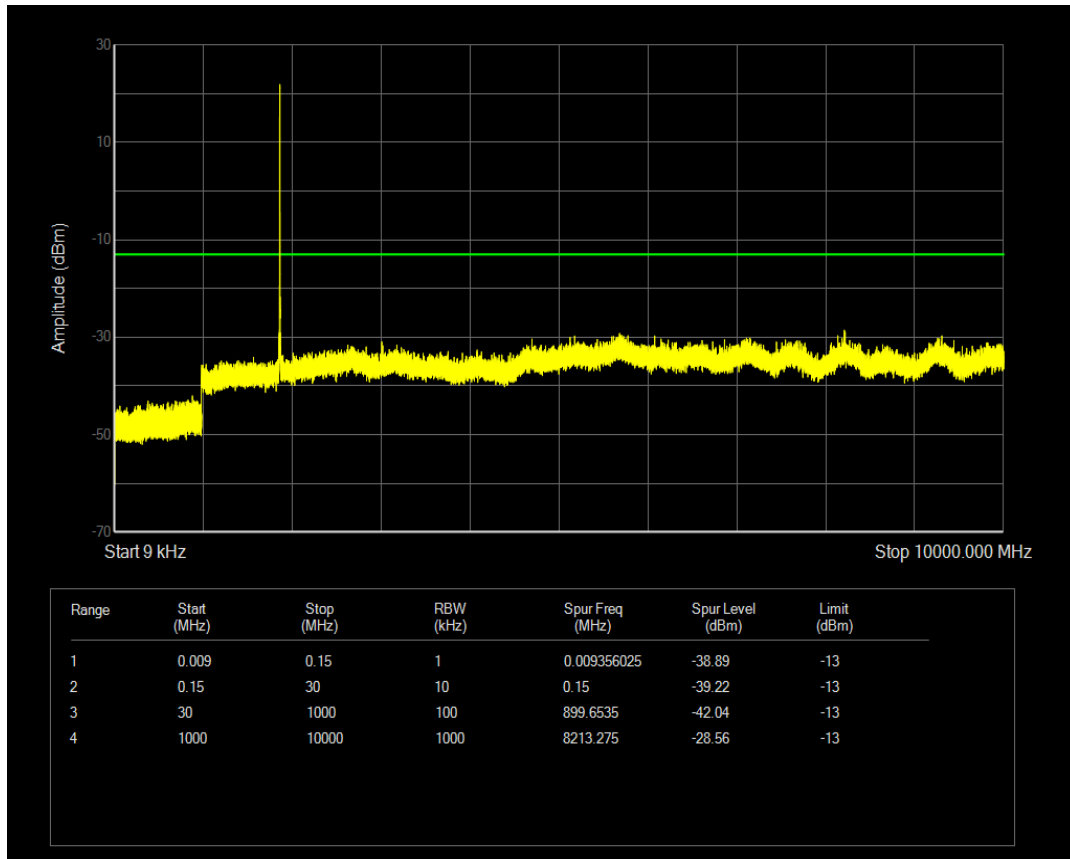
Band2 QPSK BW=3MHz Channel=18615 RB Size=15 Position=#0



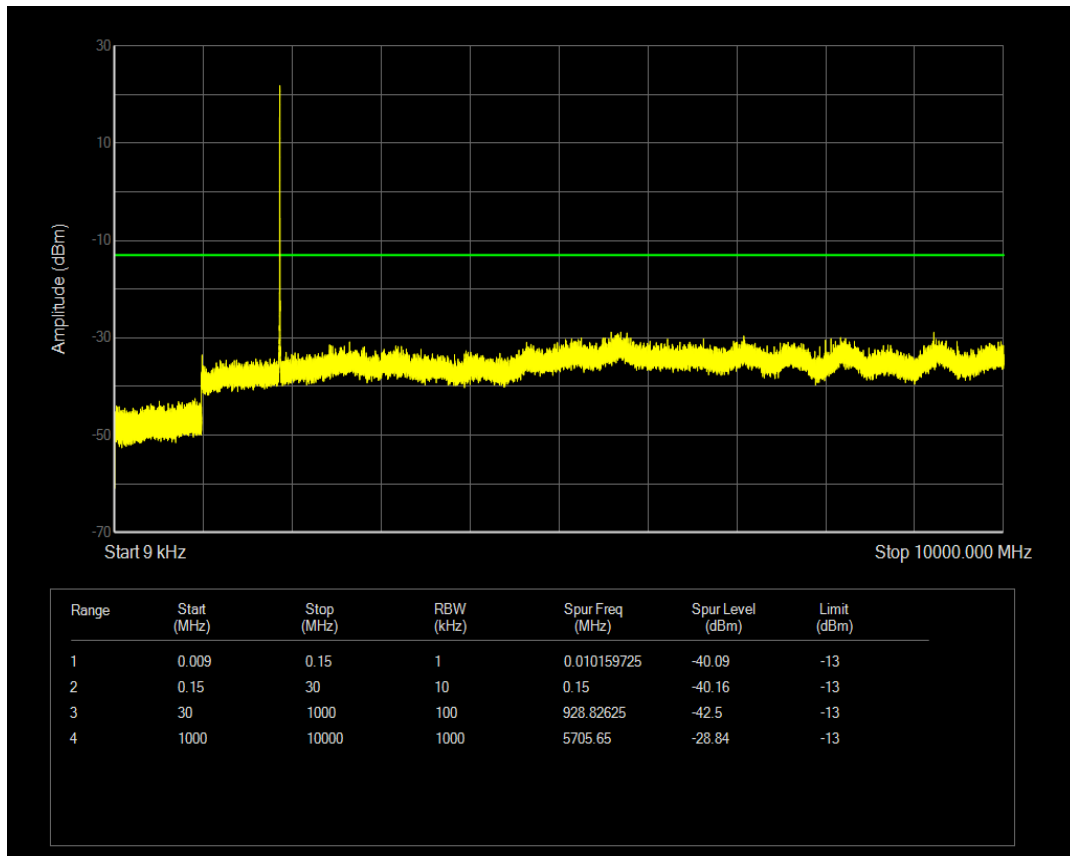
Band2 16QAM BW=3MHz Channel=18615 RB Size=15 Position=#0



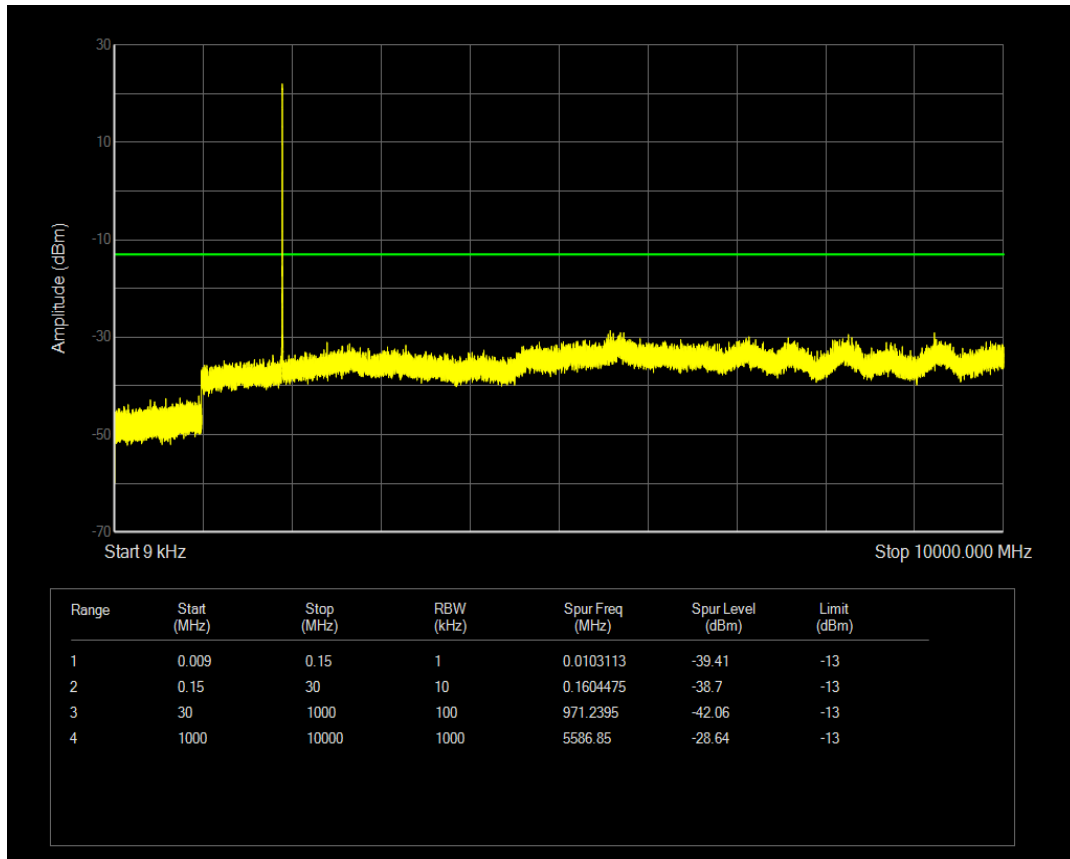
Band2 QPSK BW=3MHz Channel=18900 RB Size=15 Position=#0



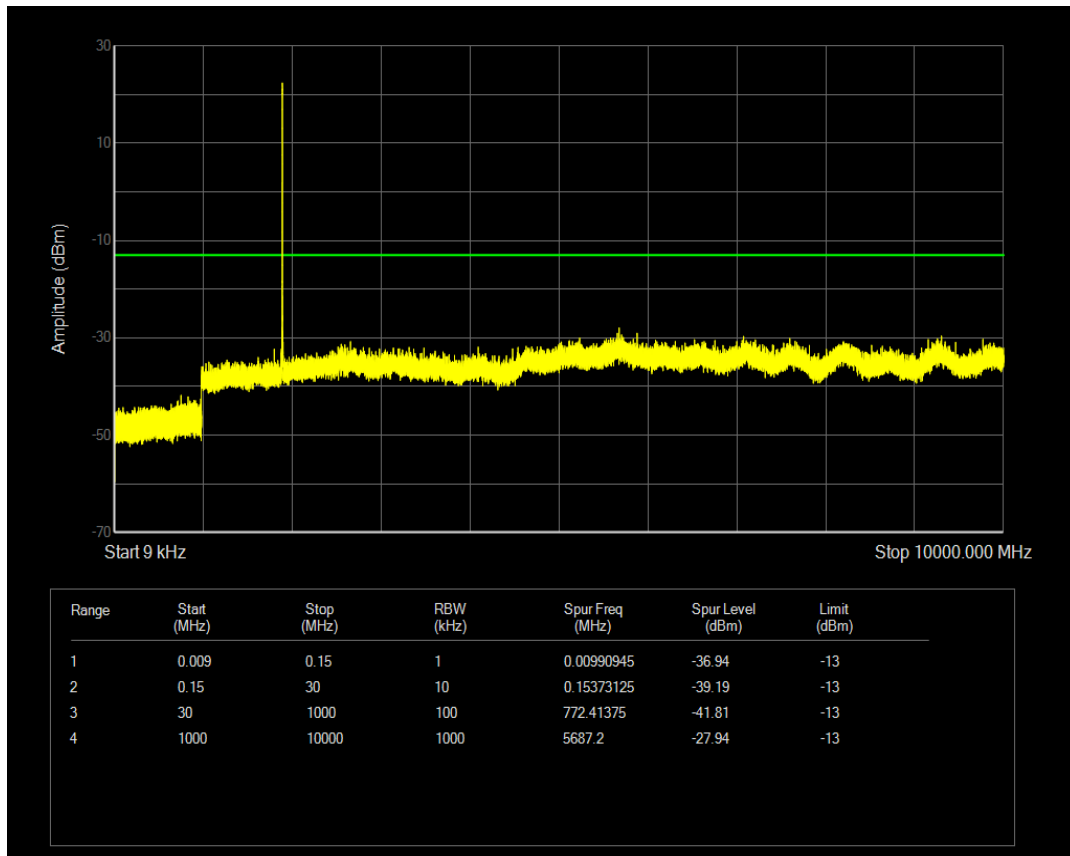
Band2 16QAM BW=3MHz Channel=18900 RB Size=15 Position=#0



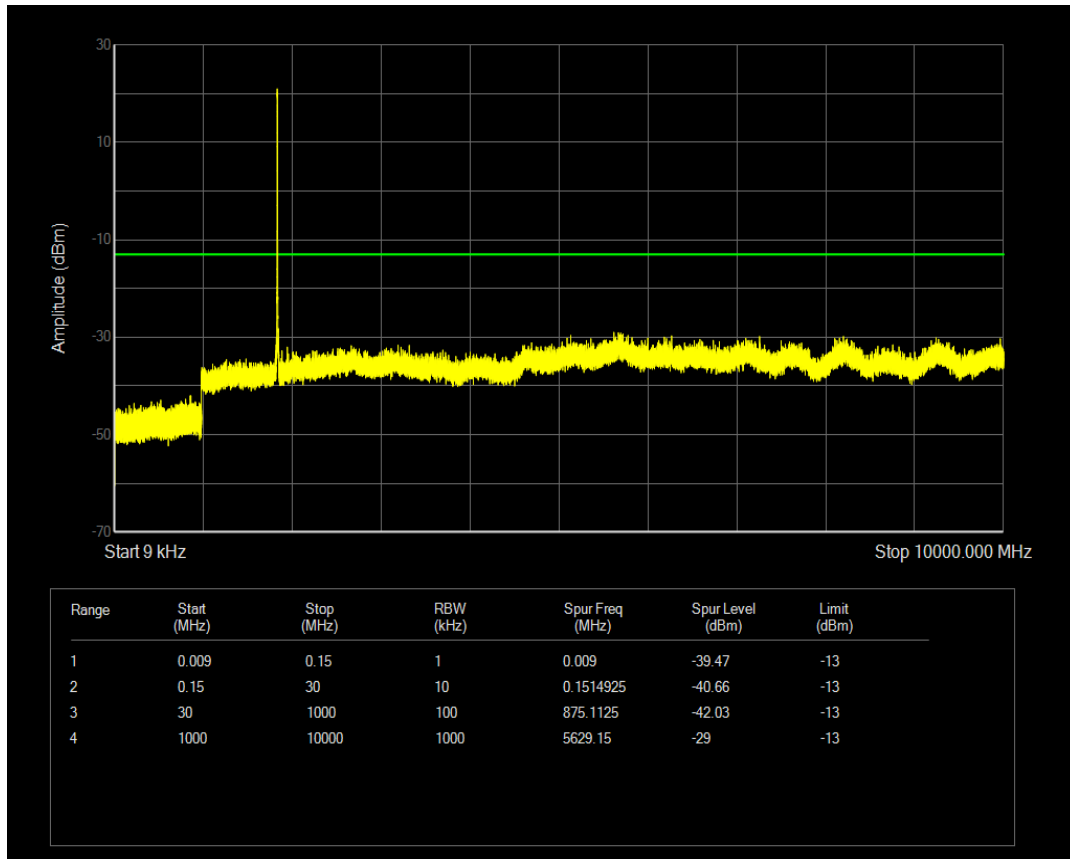
Band2 QPSK BW=3MHz Channel=19185 RB Size=15 Position=#0



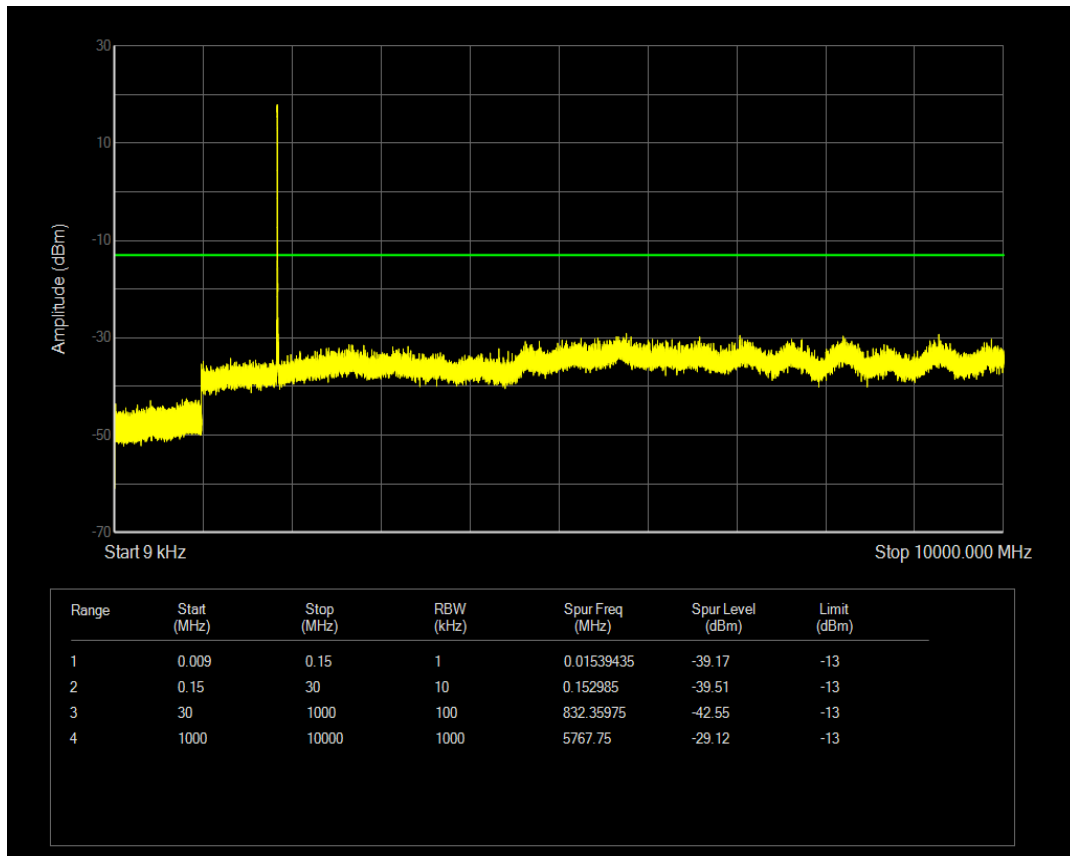
Band2 16QAM BW=3MHz Channel=19185 RB Size=15 Position=#0



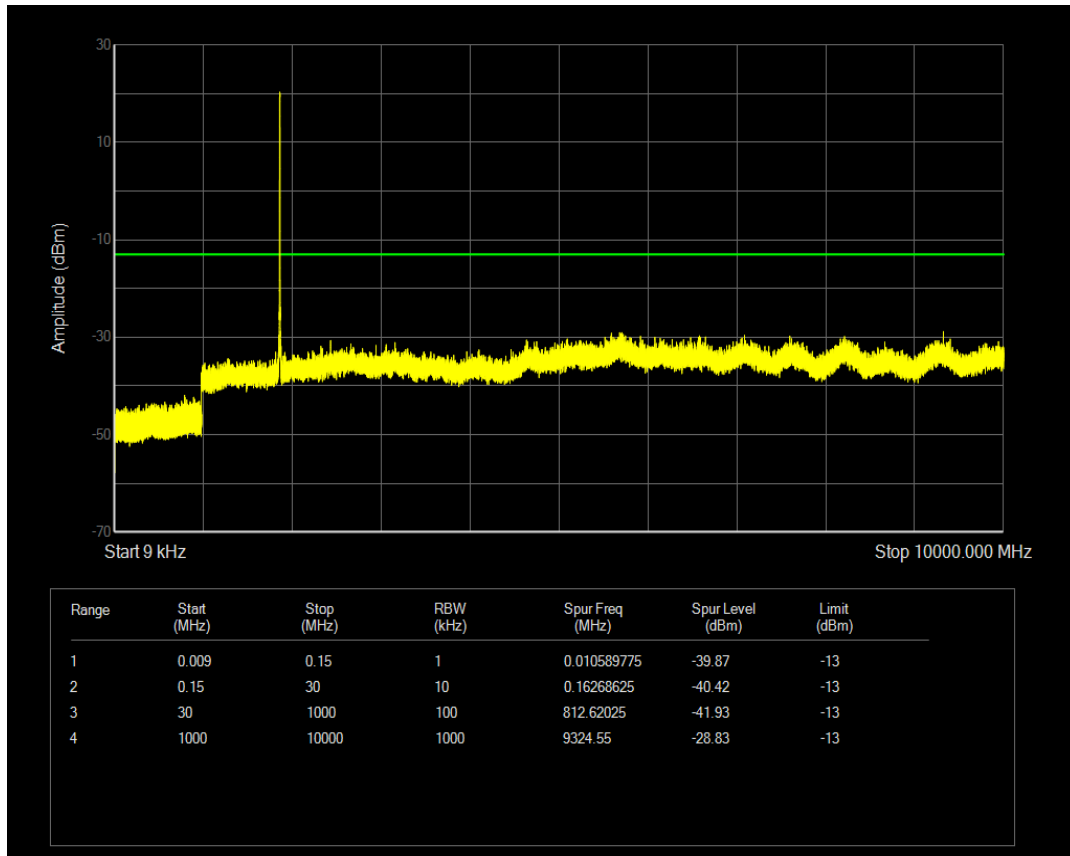
Band2 QPSK BW=5MHz Channel=18625 RB Size=25 Position=#0



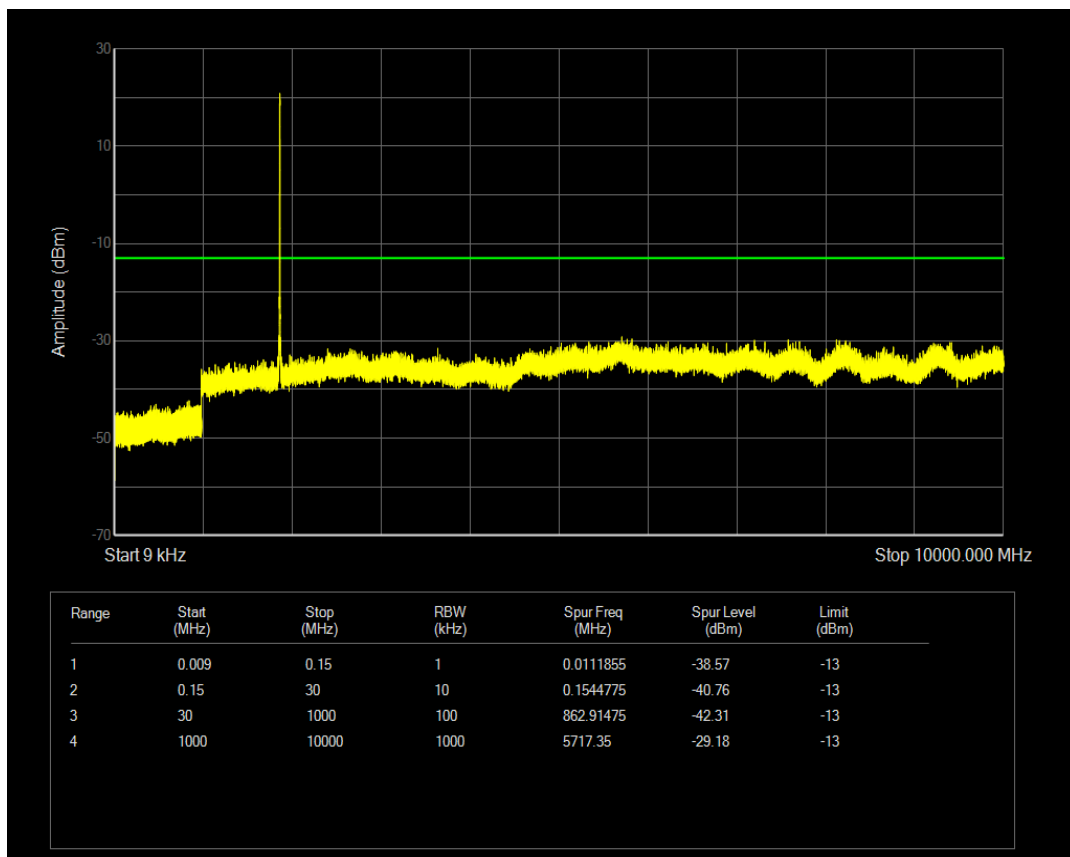
Band2 16QAM BW=5MHz Channel=18625 RB Size=25 Position=#0



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

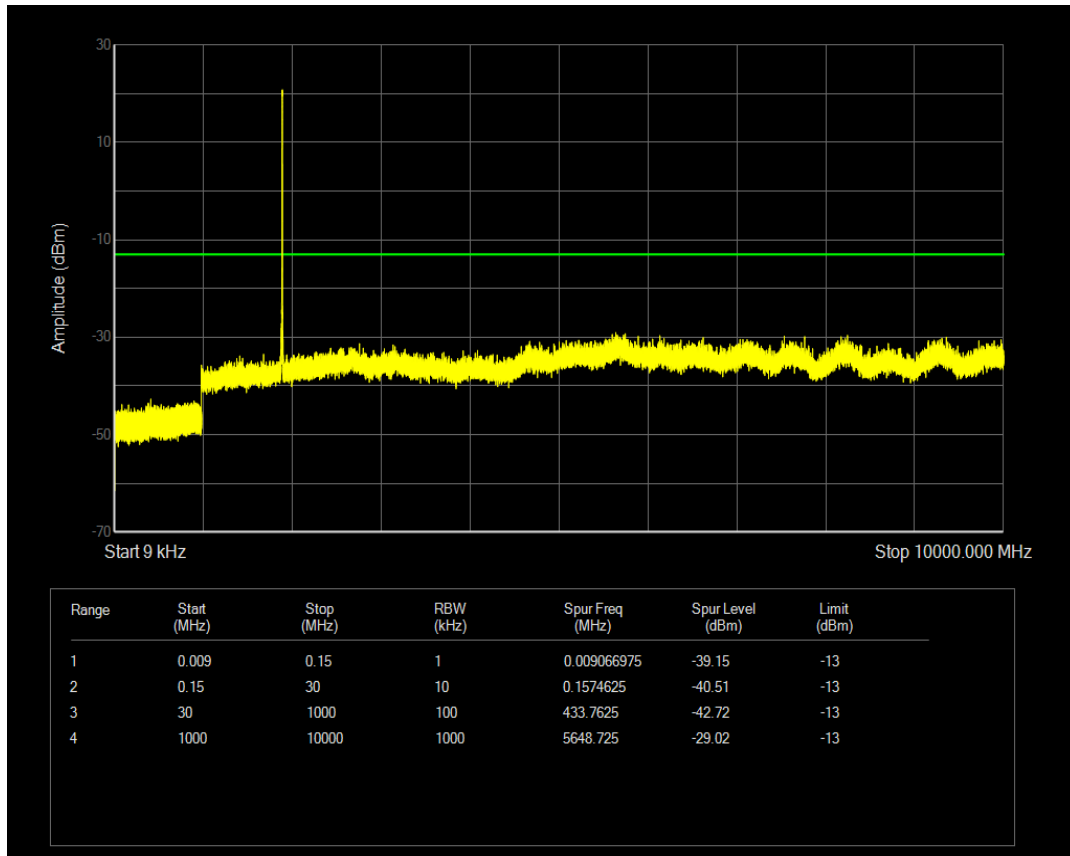


Band2 16QAM BW=5MHz Channel=18900 RB Size=25 Position=#0

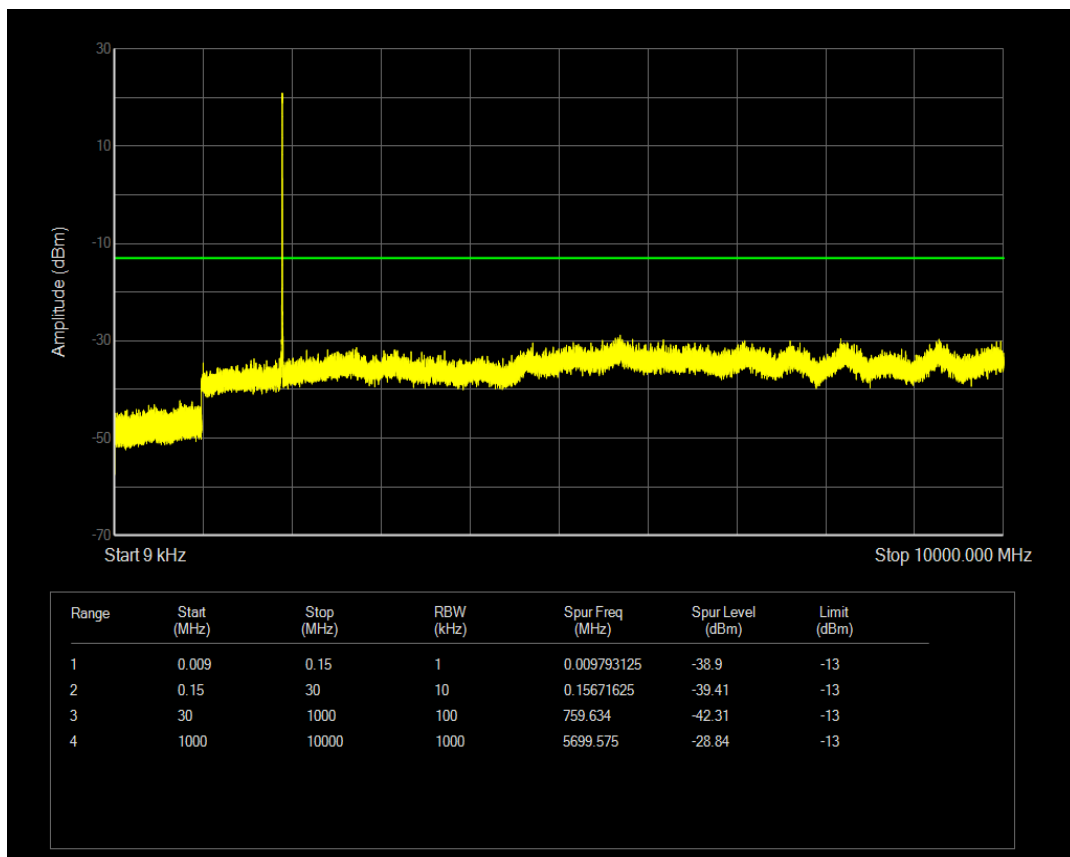


Band2 QPSK BW=5MHz Channel=19175 RB Size=25 Position=#0

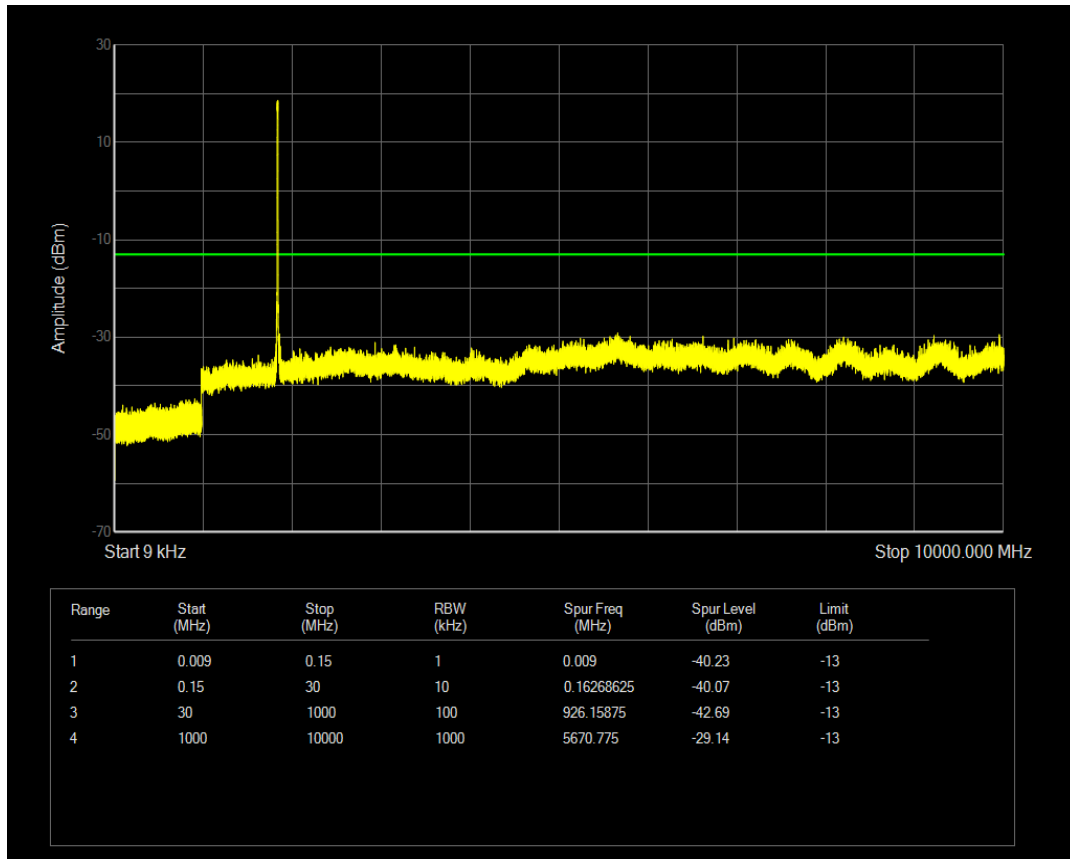




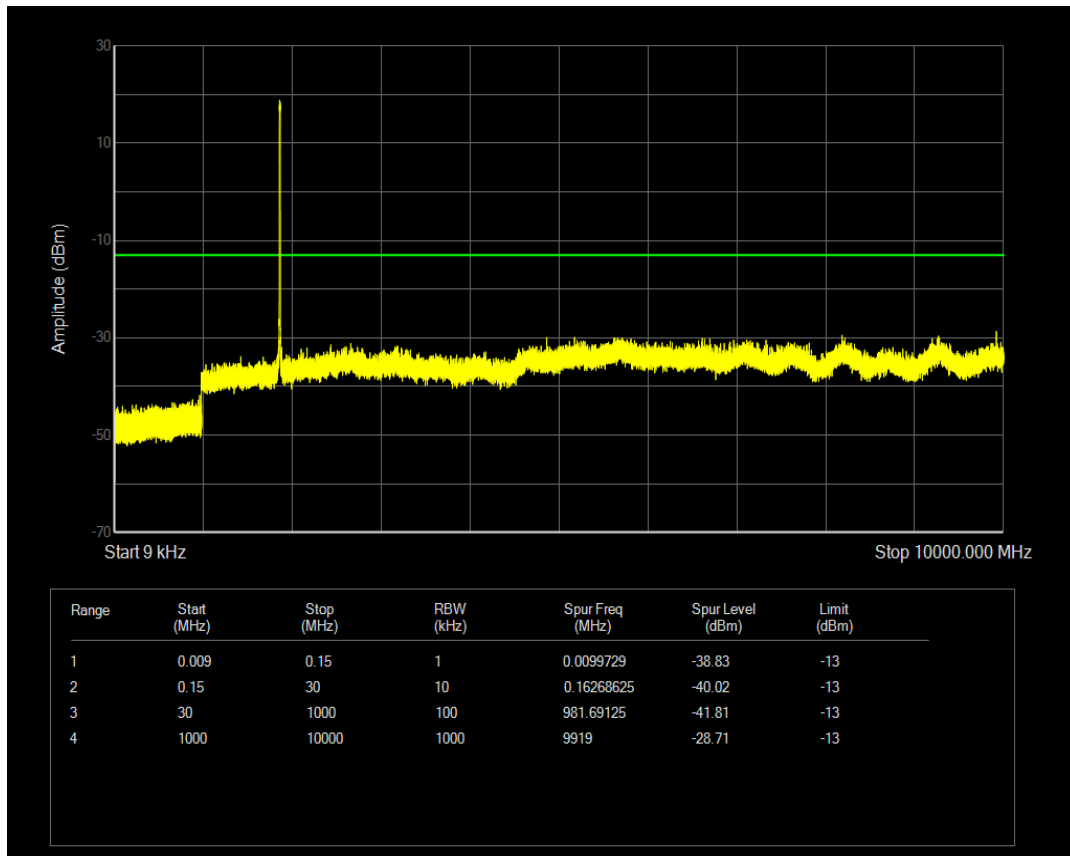
Band2 16QAM BW=5MHz Channel=19175 RB Size=25 Position=#0



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



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



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

