

# Appendix for Band 5

Report No.: BCTC2404921304-6E

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Applicant: Shenzhen Qichang Intelligent Technology Co., Ltd

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Product Name: Smart phone

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Test Model: F105

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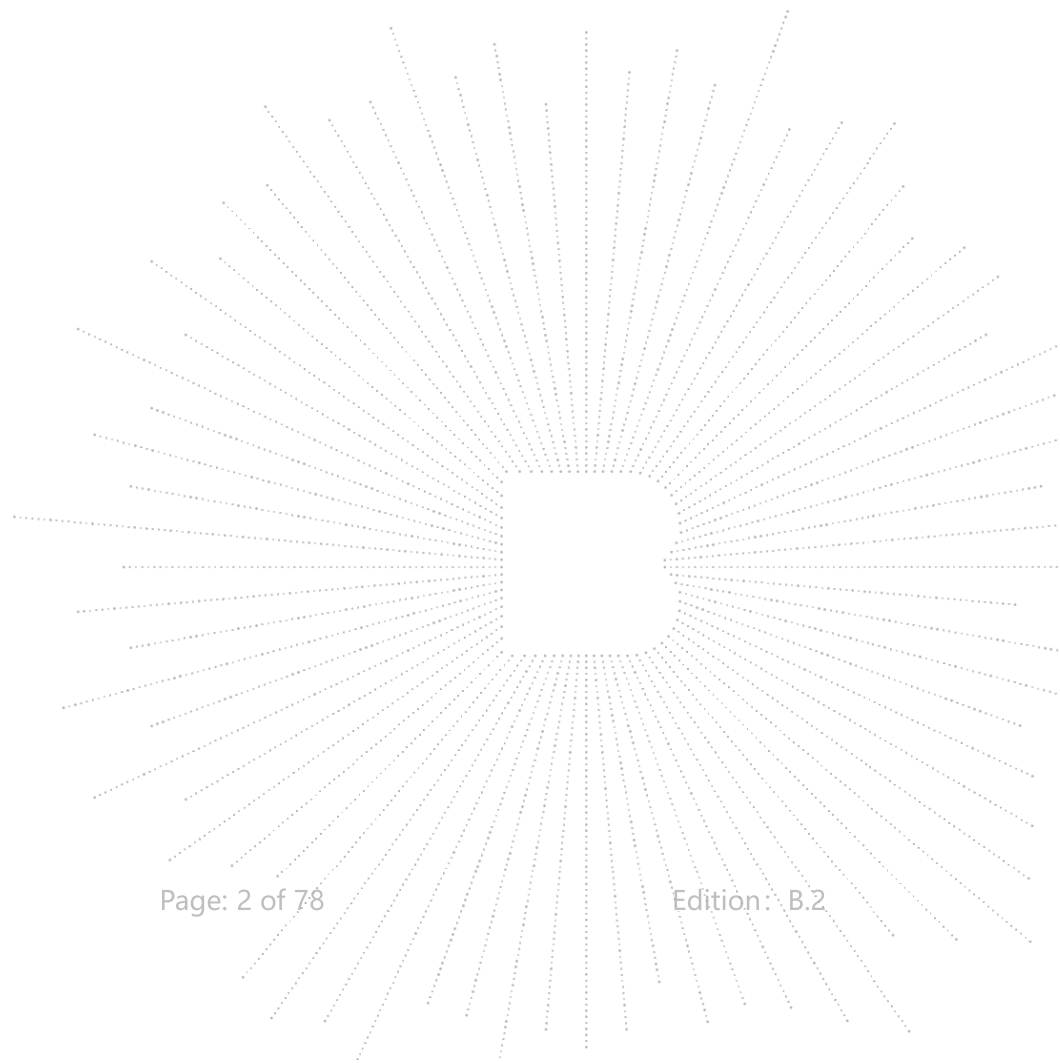
Tested Date: 2024-04-17 to 2024-05-20

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

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## Appendix 1. Effective Radiated Power and Effective Isotropic Radiated Power Measurement

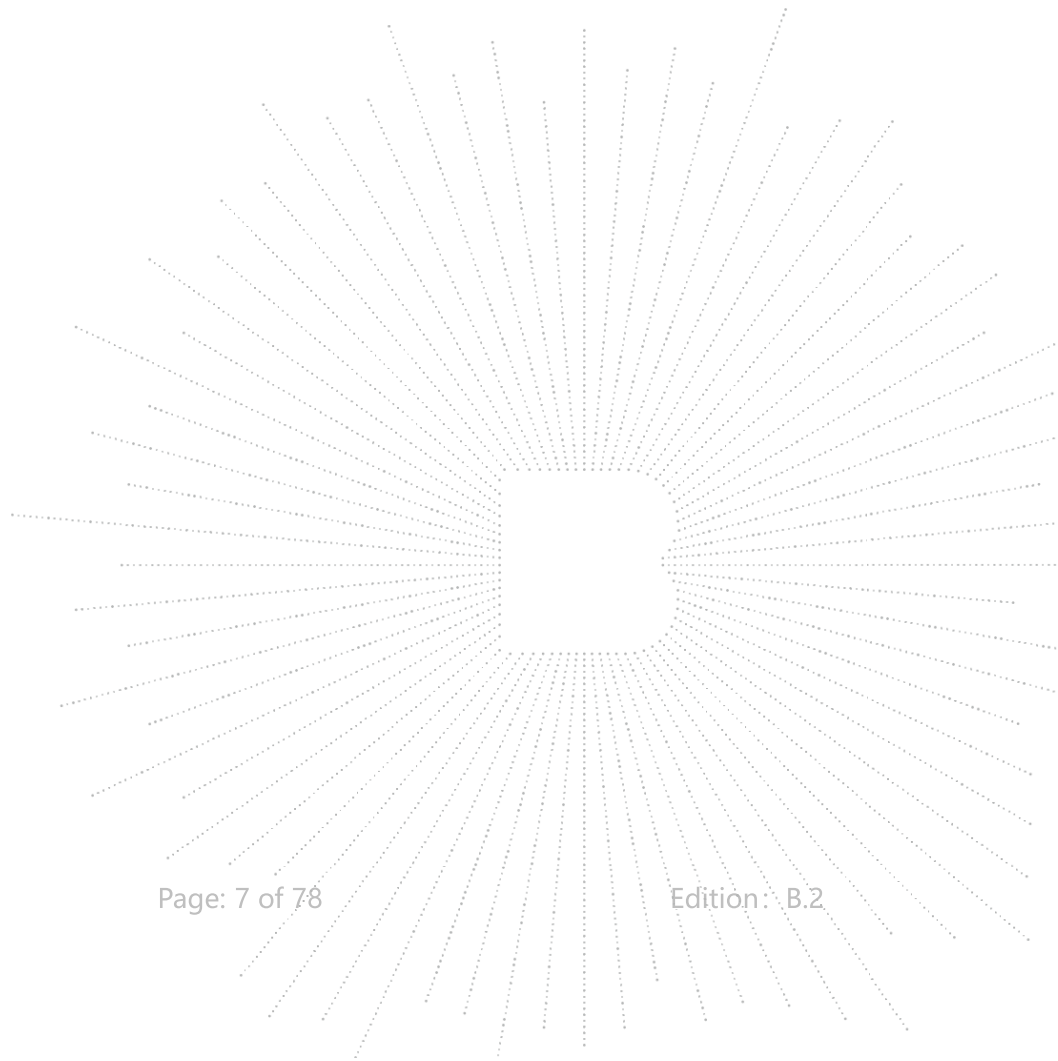
| Band  | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Size | RB<br>Position | Modulation | Power<br>(dBm) | Gain<br>(dBm) | ERP<br>(dBm) | Verdict |
|-------|--------------------|---------------|------------|----------------|------------|----------------|---------------|--------------|---------|
| Band5 | 1.4                | 20407         | 1          | #0             | QPSK       | 24.33          | 0.2           | 22.38        | PASS    |
| Band5 | 1.4                | 20407         | 1          | #Mid           | QPSK       | 24.50          | 0.2           | 22.55        | PASS    |
| Band5 | 1.4                | 20407         | 1          | #Max           | QPSK       | 24.36          | 0.2           | 22.41        | PASS    |
| Band5 | 1.4                | 20407         | 3          | #0             | QPSK       | 24.12          | 0.2           | 22.17        | PASS    |
| Band5 | 1.4                | 20407         | 3          | #Mid           | QPSK       | 24.00          | 0.2           | 22.05        | PASS    |
| Band5 | 1.4                | 20407         | 3          | #Max           | QPSK       | 23.94          | 0.2           | 21.99        | PASS    |
| Band5 | 1.4                | 20407         | 6          | #0             | QPSK       | 22.94          | 0.2           | 20.99        | PASS    |
| Band5 | 1.4                | 20407         | 1          | #0             | 16QAM      | 23.04          | 0.2           | 21.09        | PASS    |
| Band5 | 1.4                | 20407         | 1          | #Mid           | 16QAM      | 23.10          | 0.2           | 21.15        | PASS    |
| Band5 | 1.4                | 20407         | 1          | #Max           | 16QAM      | 23.03          | 0.2           | 21.08        | PASS    |
| Band5 | 1.4                | 20407         | 3          | #0             | 16QAM      | 23.07          | 0.2           | 21.12        | PASS    |
| Band5 | 1.4                | 20407         | 3          | #Mid           | 16QAM      | 23.09          | 0.2           | 21.14        | PASS    |
| Band5 | 1.4                | 20407         | 3          | #Max           | 16QAM      | 23.10          | 0.2           | 21.15        | PASS    |
| Band5 | 1.4                | 20407         | 6          | #0             | 16QAM      | 22.03          | 0.2           | 20.08        | PASS    |
| Band5 | 1.4                | 20525         | 1          | #0             | QPSK       | 23.93          | 0.2           | 21.98        | PASS    |
| Band5 | 1.4                | 20525         | 1          | #Mid           | QPSK       | 24.07          | 0.2           | 22.12        | PASS    |
| Band5 | 1.4                | 20525         | 1          | #Max           | QPSK       | 23.93          | 0.2           | 21.98        | PASS    |
| Band5 | 1.4                | 20525         | 3          | #0             | QPSK       | 23.95          | 0.2           | 22.00        | PASS    |
| Band5 | 1.4                | 20525         | 3          | #Mid           | QPSK       | 23.93          | 0.2           | 21.98        | PASS    |
| Band5 | 1.4                | 20525         | 3          | #Max           | QPSK       | 23.95          | 0.2           | 22.00        | PASS    |
| Band5 | 1.4                | 20525         | 6          | #0             | QPSK       | 22.93          | 0.2           | 20.98        | PASS    |
| Band5 | 1.4                | 20525         | 1          | #0             | 16QAM      | 22.74          | 0.2           | 20.79        | PASS    |
| Band5 | 1.4                | 20525         | 1          | #Mid           | 16QAM      | 22.85          | 0.2           | 20.90        | PASS    |
| Band5 | 1.4                | 20525         | 1          | #Max           | 16QAM      | 22.74          | 0.2           | 20.79        | PASS    |
| Band5 | 1.4                | 20525         | 3          | #0             | 16QAM      | 23.04          | 0.2           | 21.09        | PASS    |
| Band5 | 1.4                | 20525         | 3          | #Mid           | 16QAM      | 23.05          | 0.2           | 21.10        | PASS    |
| Band5 | 1.4                | 20525         | 3          | #Max           | 16QAM      | 23.09          | 0.2           | 21.14        | PASS    |
| Band5 | 1.4                | 20525         | 6          | #0             | 16QAM      | 22.11          | 0.2           | 20.16        | PASS    |
| Band5 | 1.4                | 20643         | 1          | #0             | QPSK       | 23.87          | 0.2           | 21.92        | PASS    |
| Band5 | 1.4                | 20643         | 1          | #Mid           | QPSK       | 24.05          | 0.2           | 22.10        | PASS    |
| Band5 | 1.4                | 20643         | 1          | #Max           | QPSK       | 23.96          | 0.2           | 22.01        | PASS    |
| Band5 | 1.4                | 20643         | 3          | #0             | QPSK       | 23.76          | 0.2           | 21.81        | PASS    |
| Band5 | 1.4                | 20643         | 3          | #Mid           | QPSK       | 23.77          | 0.2           | 21.82        | PASS    |
| Band5 | 1.4                | 20643         | 3          | #Max           | QPSK       | 23.72          | 0.2           | 21.77        | PASS    |
| Band5 | 1.4                | 20643         | 6          | #0             | QPSK       | 22.90          | 0.2           | 20.95        | PASS    |

|       |     |       |    |      |       |       |     |       |      |
|-------|-----|-------|----|------|-------|-------|-----|-------|------|
| Band5 | 1.4 | 20643 | 1  | #0   | 16QAM | 22.87 | 0.2 | 20.92 | PASS |
| Band5 | 1.4 | 20643 | 1  | #Mid | 16QAM | 22.91 | 0.2 | 20.96 | PASS |
| Band5 | 1.4 | 20643 | 1  | #Max | 16QAM | 22.73 | 0.2 | 20.78 | PASS |
| Band5 | 1.4 | 20643 | 3  | #0   | 16QAM | 22.92 | 0.2 | 20.97 | PASS |
| Band5 | 1.4 | 20643 | 3  | #Mid | 16QAM | 22.88 | 0.2 | 20.93 | PASS |
| Band5 | 1.4 | 20643 | 3  | #Max | 16QAM | 22.81 | 0.2 | 20.86 | PASS |
| Band5 | 1.4 | 20643 | 6  | #0   | 16QAM | 21.94 | 0.2 | 19.99 | PASS |
| Band5 | 3   | 20415 | 1  | #0   | QPSK  | 23.89 | 0.2 | 21.94 | PASS |
| Band5 | 3   | 20415 | 1  | #Mid | QPSK  | 24.12 | 0.2 | 22.17 | PASS |
| Band5 | 3   | 20415 | 1  | #Max | QPSK  | 23.91 | 0.2 | 21.96 | PASS |
| Band5 | 3   | 20415 | 8  | #0   | QPSK  | 22.91 | 0.2 | 20.96 | PASS |
| Band5 | 3   | 20415 | 8  | #Mid | QPSK  | 22.94 | 0.2 | 20.99 | PASS |
| Band5 | 3   | 20415 | 8  | #Max | QPSK  | 22.96 | 0.2 | 21.01 | PASS |
| Band5 | 3   | 20415 | 15 | #0   | QPSK  | 22.86 | 0.2 | 20.91 | PASS |
| Band5 | 3   | 20415 | 1  | #0   | 16QAM | 23.23 | 0.2 | 21.28 | PASS |
| Band5 | 3   | 20415 | 1  | #Mid | 16QAM | 23.55 | 0.2 | 21.60 | PASS |
| Band5 | 3   | 20415 | 1  | #Max | 16QAM | 23.25 | 0.2 | 21.30 | PASS |
| Band5 | 3   | 20415 | 8  | #0   | 16QAM | 21.88 | 0.2 | 19.93 | PASS |
| Band5 | 3   | 20415 | 8  | #Mid | 16QAM | 21.90 | 0.2 | 19.95 | PASS |
| Band5 | 3   | 20415 | 8  | #Max | 16QAM | 21.96 | 0.2 | 20.01 | PASS |
| Band5 | 3   | 20415 | 15 | #0   | 16QAM | 21.90 | 0.2 | 19.95 | PASS |
| Band5 | 3   | 20525 | 1  | #0   | QPSK  | 23.94 | 0.2 | 21.99 | PASS |
| Band5 | 3   | 20525 | 1  | #Mid | QPSK  | 24.16 | 0.2 | 22.21 | PASS |
| Band5 | 3   | 20525 | 1  | #Max | QPSK  | 23.89 | 0.2 | 21.94 | PASS |
| Band5 | 3   | 20525 | 8  | #0   | QPSK  | 22.92 | 0.2 | 20.97 | PASS |
| Band5 | 3   | 20525 | 8  | #Mid | QPSK  | 22.95 | 0.2 | 21.00 | PASS |
| Band5 | 3   | 20525 | 8  | #Max | QPSK  | 22.91 | 0.2 | 20.96 | PASS |
| Band5 | 3   | 20525 | 15 | #0   | QPSK  | 22.90 | 0.2 | 20.95 | PASS |
| Band5 | 3   | 20525 | 1  | #0   | 16QAM | 23.11 | 0.2 | 21.16 | PASS |
| Band5 | 3   | 20525 | 1  | #Mid | 16QAM | 23.36 | 0.2 | 21.41 | PASS |
| Band5 | 3   | 20525 | 1  | #Max | 16QAM | 23.06 | 0.2 | 21.11 | PASS |
| Band5 | 3   | 20525 | 8  | #0   | 16QAM | 21.97 | 0.2 | 20.02 | PASS |
| Band5 | 3   | 20525 | 8  | #Mid | 16QAM | 21.91 | 0.2 | 19.96 | PASS |
| Band5 | 3   | 20525 | 8  | #Max | 16QAM | 21.91 | 0.2 | 19.96 | PASS |
| Band5 | 3   | 20525 | 15 | #0   | 16QAM | 21.87 | 0.2 | 19.92 | PASS |
| Band5 | 3   | 20635 | 1  | #0   | QPSK  | 23.87 | 0.2 | 21.92 | PASS |
| Band5 | 3   | 20635 | 1  | #Mid | QPSK  | 24.18 | 0.2 | 22.23 | PASS |
| Band5 | 3   | 20635 | 1  | #Max | QPSK  | 24.06 | 0.2 | 22.11 | PASS |
| Band5 | 3   | 20635 | 8  | #0   | QPSK  | 22.91 | 0.2 | 20.96 | PASS |
| Band5 | 3   | 20635 | 8  | #Mid | QPSK  | 22.90 | 0.2 | 20.95 | PASS |
| Band5 | 3   | 20635 | 8  | #Max | QPSK  | 22.77 | 0.2 | 20.82 | PASS |
| Band5 | 3   | 20635 | 15 | #0   | QPSK  | 22.81 | 0.2 | 20.86 | PASS |

|       |   |       |    |      |       |       |     |       |      |
|-------|---|-------|----|------|-------|-------|-----|-------|------|
| Band5 | 3 | 20635 | 1  | #0   | 16QAM | 22.73 | 0.2 | 20.78 | PASS |
| Band5 | 3 | 20635 | 1  | #Mid | 16QAM | 23.00 | 0.2 | 21.05 | PASS |
| Band5 | 3 | 20635 | 1  | #Max | 16QAM | 22.55 | 0.2 | 20.60 | PASS |
| Band5 | 3 | 20635 | 8  | #0   | 16QAM | 21.92 | 0.2 | 19.97 | PASS |
| Band5 | 3 | 20635 | 8  | #Mid | 16QAM | 21.91 | 0.2 | 19.96 | PASS |
| Band5 | 3 | 20635 | 8  | #Max | 16QAM | 21.77 | 0.2 | 19.82 | PASS |
| Band5 | 3 | 20635 | 15 | #0   | 16QAM | 21.89 | 0.2 | 19.94 | PASS |
| Band5 | 5 | 20425 | 1  | #0   | QPSK  | 23.79 | 0.2 | 21.84 | PASS |
| Band5 | 5 | 20425 | 1  | #Mid | QPSK  | 24.22 | 0.2 | 22.27 | PASS |
| Band5 | 5 | 20425 | 1  | #Max | QPSK  | 23.82 | 0.2 | 21.87 | PASS |
| Band5 | 5 | 20425 | 12 | #0   | QPSK  | 22.80 | 0.2 | 20.85 | PASS |
| Band5 | 5 | 20425 | 12 | #Mid | QPSK  | 22.98 | 0.2 | 21.03 | PASS |
| Band5 | 5 | 20425 | 12 | #Max | QPSK  | 22.98 | 0.2 | 21.03 | PASS |
| Band5 | 5 | 20425 | 25 | #0   | QPSK  | 22.91 | 0.2 | 20.96 | PASS |
| Band5 | 5 | 20425 | 1  | #0   | 16QAM | 23.19 | 0.2 | 21.24 | PASS |
| Band5 | 5 | 20425 | 1  | #Mid | 16QAM | 23.53 | 0.2 | 21.58 | PASS |
| Band5 | 5 | 20425 | 1  | #Max | 16QAM | 23.27 | 0.2 | 21.32 | PASS |
| Band5 | 5 | 20425 | 12 | #0   | 16QAM | 21.79 | 0.2 | 19.84 | PASS |
| Band5 | 5 | 20425 | 12 | #Mid | 16QAM | 21.94 | 0.2 | 19.99 | PASS |
| Band5 | 5 | 20425 | 12 | #Max | 16QAM | 21.95 | 0.2 | 20.00 | PASS |
| Band5 | 5 | 20425 | 25 | #0   | 16QAM | 21.88 | 0.2 | 19.93 | PASS |
| Band5 | 5 | 20525 | 1  | #0   | QPSK  | 23.87 | 0.2 | 21.92 | PASS |
| Band5 | 5 | 20525 | 1  | #Mid | QPSK  | 24.18 | 0.2 | 22.23 | PASS |
| Band5 | 5 | 20525 | 1  | #Max | QPSK  | 23.82 | 0.2 | 21.87 | PASS |
| Band5 | 5 | 20525 | 12 | #0   | QPSK  | 22.92 | 0.2 | 20.97 | PASS |
| Band5 | 5 | 20525 | 12 | #Mid | QPSK  | 22.96 | 0.2 | 21.01 | PASS |
| Band5 | 5 | 20525 | 12 | #Max | QPSK  | 22.90 | 0.2 | 20.95 | PASS |
| Band5 | 5 | 20525 | 25 | #0   | QPSK  | 22.89 | 0.2 | 20.94 | PASS |
| Band5 | 5 | 20525 | 1  | #0   | 16QAM | 23.15 | 0.2 | 21.20 | PASS |
| Band5 | 5 | 20525 | 1  | #Mid | 16QAM | 23.42 | 0.2 | 21.47 | PASS |
| Band5 | 5 | 20525 | 1  | #Max | 16QAM | 23.11 | 0.2 | 21.16 | PASS |
| Band5 | 5 | 20525 | 12 | #0   | 16QAM | 21.85 | 0.2 | 19.90 | PASS |
| Band5 | 5 | 20525 | 12 | #Mid | 16QAM | 21.92 | 0.2 | 19.97 | PASS |
| Band5 | 5 | 20525 | 12 | #Max | 16QAM | 21.84 | 0.2 | 19.89 | PASS |
| Band5 | 5 | 20525 | 25 | #0   | 16QAM | 21.94 | 0.2 | 19.99 | PASS |
| Band5 | 5 | 20625 | 1  | #0   | QPSK  | 23.66 | 0.2 | 21.71 | PASS |
| Band5 | 5 | 20625 | 1  | #Mid | QPSK  | 24.10 | 0.2 | 22.15 | PASS |
| Band5 | 5 | 20625 | 1  | #Max | QPSK  | 23.75 | 0.2 | 21.80 | PASS |
| Band5 | 5 | 20625 | 12 | #0   | QPSK  | 22.87 | 0.2 | 20.92 | PASS |
| Band5 | 5 | 20625 | 12 | #Mid | QPSK  | 22.93 | 0.2 | 20.98 | PASS |
| Band5 | 5 | 20625 | 12 | #Max | QPSK  | 22.57 | 0.2 | 20.62 | PASS |
| Band5 | 5 | 20625 | 25 | #0   | QPSK  | 22.75 | 0.2 | 20.80 | PASS |

|       |    |       |    |      |       |       |     |       |      |
|-------|----|-------|----|------|-------|-------|-----|-------|------|
| Band5 | 5  | 20625 | 1  | #0   | 16QAM | 23.02 | 0.2 | 21.07 | PASS |
| Band5 | 5  | 20625 | 1  | #Mid | 16QAM | 23.41 | 0.2 | 21.46 | PASS |
| Band5 | 5  | 20625 | 1  | #Max | 16QAM | 22.88 | 0.2 | 20.93 | PASS |
| Band5 | 5  | 20625 | 12 | #0   | 16QAM | 21.88 | 0.2 | 19.93 | PASS |
| Band5 | 5  | 20625 | 12 | #Mid | 16QAM | 21.96 | 0.2 | 20.01 | PASS |
| Band5 | 5  | 20625 | 12 | #Max | 16QAM | 21.59 | 0.2 | 19.64 | PASS |
| Band5 | 5  | 20625 | 25 | #0   | 16QAM | 21.79 | 0.2 | 19.84 | PASS |
| Band5 | 10 | 20450 | 1  | #0   | QPSK  | 23.87 | 0.2 | 21.92 | PASS |
| Band5 | 10 | 20450 | 1  | #Mid | QPSK  | 24.04 | 0.2 | 22.09 | PASS |
| Band5 | 10 | 20450 | 1  | #Max | QPSK  | 23.95 | 0.2 | 22.00 | PASS |
| Band5 | 10 | 20450 | 25 | #0   | QPSK  | 22.83 | 0.2 | 20.88 | PASS |
| Band5 | 10 | 20450 | 25 | #Mid | QPSK  | 22.91 | 0.2 | 20.96 | PASS |
| Band5 | 10 | 20450 | 25 | #Max | QPSK  | 23.01 | 0.2 | 21.06 | PASS |
| Band5 | 10 | 20450 | 50 | #0   | QPSK  | 22.92 | 0.2 | 20.97 | PASS |
| Band5 | 10 | 20450 | 1  | #0   | 16QAM | 22.97 | 0.2 | 21.02 | PASS |
| Band5 | 10 | 20450 | 1  | #Mid | 16QAM | 23.13 | 0.2 | 21.18 | PASS |
| Band5 | 10 | 20450 | 1  | #Max | 16QAM | 23.07 | 0.2 | 21.12 | PASS |
| Band5 | 10 | 20450 | 25 | #0   | 16QAM | 21.84 | 0.2 | 19.89 | PASS |
| Band5 | 10 | 20450 | 25 | #Mid | 16QAM | 21.92 | 0.2 | 19.97 | PASS |
| Band5 | 10 | 20450 | 25 | #Max | 16QAM | 22.03 | 0.2 | 20.08 | PASS |
| Band5 | 10 | 20450 | 50 | #0   | 16QAM | 21.95 | 0.2 | 20.00 | PASS |
| Band5 | 10 | 20525 | 1  | #0   | QPSK  | 23.99 | 0.2 | 22.04 | PASS |
| Band5 | 10 | 20525 | 1  | #Mid | QPSK  | 24.15 | 0.2 | 22.20 | PASS |
| Band5 | 10 | 20525 | 1  | #Max | QPSK  | 23.99 | 0.2 | 22.04 | PASS |
| Band5 | 10 | 20525 | 25 | #0   | QPSK  | 22.98 | 0.2 | 21.03 | PASS |
| Band5 | 10 | 20525 | 25 | #Mid | QPSK  | 22.97 | 0.2 | 21.02 | PASS |
| Band5 | 10 | 20525 | 25 | #Max | QPSK  | 22.97 | 0.2 | 21.02 | PASS |
| Band5 | 10 | 20525 | 50 | #0   | QPSK  | 22.96 | 0.2 | 21.01 | PASS |
| Band5 | 10 | 20525 | 1  | #0   | 16QAM | 22.76 | 0.2 | 20.81 | PASS |
| Band5 | 10 | 20525 | 1  | #Mid | 16QAM | 22.93 | 0.2 | 20.98 | PASS |
| Band5 | 10 | 20525 | 1  | #Max | 16QAM | 22.73 | 0.2 | 20.78 | PASS |
| Band5 | 10 | 20525 | 25 | #0   | 16QAM | 21.98 | 0.2 | 20.03 | PASS |
| Band5 | 10 | 20525 | 25 | #Mid | 16QAM | 21.97 | 0.2 | 20.02 | PASS |
| Band5 | 10 | 20525 | 25 | #Max | 16QAM | 21.97 | 0.2 | 20.02 | PASS |
| Band5 | 10 | 20525 | 50 | #0   | 16QAM | 21.97 | 0.2 | 20.02 | PASS |
| Band5 | 10 | 20600 | 1  | #0   | QPSK  | 23.84 | 0.2 | 21.89 | PASS |
| Band5 | 10 | 20600 | 1  | #Mid | QPSK  | 23.91 | 0.2 | 21.96 | PASS |
| Band5 | 10 | 20600 | 1  | #Max | QPSK  | 23.90 | 0.2 | 21.95 | PASS |
| Band5 | 10 | 20600 | 25 | #0   | QPSK  | 22.83 | 0.2 | 20.88 | PASS |
| Band5 | 10 | 20600 | 25 | #Mid | QPSK  | 22.88 | 0.2 | 20.93 | PASS |
| Band5 | 10 | 20600 | 25 | #Max | QPSK  | 22.63 | 0.2 | 20.68 | PASS |
| Band5 | 10 | 20600 | 50 | #0   | QPSK  | 22.74 | 0.2 | 20.79 | PASS |

|       |    |       |    |      |       |       |     |       |      |
|-------|----|-------|----|------|-------|-------|-----|-------|------|
| Band5 | 10 | 20600 | 1  | #0   | 16QAM | 23.19 | 0.2 | 21.24 | PASS |
| Band5 | 10 | 20600 | 1  | #Mid | 16QAM | 23.34 | 0.2 | 21.39 | PASS |
| Band5 | 10 | 20600 | 1  | #Max | 16QAM | 23.06 | 0.2 | 21.11 | PASS |
| Band5 | 10 | 20600 | 25 | #0   | 16QAM | 21.87 | 0.2 | 19.92 | PASS |
| Band5 | 10 | 20600 | 25 | #Mid | 16QAM | 21.91 | 0.2 | 19.96 | PASS |
| Band5 | 10 | 20600 | 25 | #Max | 16QAM | 21.63 | 0.2 | 19.68 | PASS |
| Band5 | 10 | 20600 | 50 | #0   | 16QAM | 21.75 | 0.2 | 19.80 | 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 |
|-------|--------------------|---------------|------------|----------------|------------|------------------|-------------------|----------------|-----------------|---------|
| Band5 | 1.4                | 20407         | 6          | #0             | QPSK       | LV               | NT                | -15.99         | -0.019          | PASS    |
| Band5 | 1.4                | 20407         | 6          | #0             | QPSK       | NV               | NT                | -10.84         | -0.013          | PASS    |
| Band5 | 1.4                | 20407         | 6          | #0             | QPSK       | HV               | NT                | -6.91          | -0.008          | PASS    |
| Band5 | 1.4                | 20407         | 6          | #0             | 16QAM      | LV               | NT                | -4.41          | -0.005          | PASS    |
| Band5 | 1.4                | 20407         | 6          | #0             | 16QAM      | NV               | NT                | -5.66          | -0.007          | PASS    |
| Band5 | 1.4                | 20407         | 6          | #0             | 16QAM      | HV               | NT                | -2.65          | -0.003          | PASS    |
| Band5 | 1.4                | 20525         | 6          | #0             | QPSK       | LV               | NT                | 1.42           | 0.002           | PASS    |
| Band5 | 1.4                | 20525         | 6          | #0             | QPSK       | NV               | NT                | -2.35          | -0.003          | PASS    |
| Band5 | 1.4                | 20525         | 6          | #0             | QPSK       | HV               | NT                | 0.23           | 0.000           | PASS    |
| Band5 | 1.4                | 20525         | 6          | #0             | 16QAM      | LV               | NT                | -3.60          | -0.004          | PASS    |
| Band5 | 1.4                | 20525         | 6          | #0             | 16QAM      | NV               | NT                | -2.49          | -0.003          | PASS    |
| Band5 | 1.4                | 20525         | 6          | #0             | 16QAM      | HV               | NT                | -2.27          | -0.003          | PASS    |
| Band5 | 1.4                | 20643         | 6          | #0             | QPSK       | LV               | NT                | -4.65          | -0.005          | PASS    |
| Band5 | 1.4                | 20643         | 6          | #0             | QPSK       | NV               | NT                | -5.09          | -0.006          | PASS    |
| Band5 | 1.4                | 20643         | 6          | #0             | QPSK       | HV               | NT                | -5.08          | -0.006          | PASS    |
| Band5 | 1.4                | 20643         | 6          | #0             | 16QAM      | LV               | NT                | -2.92          | -0.003          | PASS    |
| Band5 | 1.4                | 20643         | 6          | #0             | 16QAM      | NV               | NT                | 0.56           | 0.001           | PASS    |
| Band5 | 1.4                | 20643         | 6          | #0             | 16QAM      | HV               | NT                | -4.12          | -0.005          | PASS    |
| Band5 | 3                  | 20415         | 15         | #0             | QPSK       | LV               | NT                | -12.33         | -0.015          | PASS    |
| Band5 | 3                  | 20415         | 15         | #0             | QPSK       | NV               | NT                | -11.47         | -0.014          | PASS    |
| Band5 | 3                  | 20415         | 15         | #0             | QPSK       | HV               | NT                | -7.24          | -0.009          | PASS    |
| Band5 | 3                  | 20415         | 15         | #0             | 16QAM      | LV               | NT                | -2.60          | -0.003          | PASS    |
| Band5 | 3                  | 20415         | 15         | #0             | 16QAM      | NV               | NT                | -2.92          | -0.004          | PASS    |
| Band5 | 3                  | 20415         | 15         | #0             | 16QAM      | HV               | NT                | -0.54          | -0.001          | PASS    |
| Band5 | 3                  | 20525         | 15         | #0             | QPSK       | LV               | NT                | -1.86          | -0.002          | PASS    |
| Band5 | 3                  | 20525         | 15         | #0             | QPSK       | NV               | NT                | -5.76          | -0.007          | PASS    |
| Band5 | 3                  | 20525         | 15         | #0             | QPSK       | HV               | NT                | -4.35          | -0.005          | PASS    |
| Band5 | 3                  | 20525         | 15         | #0             | 16QAM      | LV               | NT                | -1.36          | -0.002          | PASS    |
| Band5 | 3                  | 20525         | 15         | #0             | 16QAM      | NV               | NT                | -5.55          | -0.007          | PASS    |
| Band5 | 3                  | 20525         | 15         | #0             | 16QAM      | HV               | NT                | -5.92          | -0.007          | PASS    |
| Band5 | 3                  | 20635         | 15         | #0             | QPSK       | LV               | NT                | -2.98          | -0.004          | PASS    |
| Band5 | 3                  | 20635         | 15         | #0             | QPSK       | NV               | NT                | -6.28          | -0.007          | PASS    |
| Band5 | 3                  | 20635         | 15         | #0             | QPSK       | HV               | NT                | -4.88          | -0.006          | PASS    |
| Band5 | 3                  | 20635         | 15         | #0             | 16QAM      | LV               | NT                | -1.96          | -0.002          | PASS    |
| Band5 | 3                  | 20635         | 15         | #0             | 16QAM      | NV               | NT                | -3.10          | -0.004          | PASS    |
| Band5 | 3                  | 20635         | 15         | #0             | 16QAM      | HV               | NT                | -0.07          | 0.000           | PASS    |
| Band5 | 5                  | 20425         | 25         | #0             | QPSK       | LV               | NT                | -8.08          | -0.010          | PASS    |

|       |    |       |    |    |       |    |    |        |        |      |
|-------|----|-------|----|----|-------|----|----|--------|--------|------|
| Band5 | 5  | 20425 | 25 | #0 | QPSK  | NV | NT | -7.67  | -0.009 | PASS |
| Band5 | 5  | 20425 | 25 | #0 | QPSK  | HV | NT | -6.01  | -0.007 | PASS |
| Band5 | 5  | 20425 | 25 | #0 | 16QAM | LV | NT | -4.38  | -0.005 | PASS |
| Band5 | 5  | 20425 | 25 | #0 | 16QAM | NV | NT | -6.07  | -0.007 | PASS |
| Band5 | 5  | 20425 | 25 | #0 | 16QAM | HV | NT | -4.29  | -0.005 | PASS |
| Band5 | 5  | 20525 | 25 | #0 | QPSK  | LV | NT | -5.01  | -0.006 | PASS |
| Band5 | 5  | 20525 | 25 | #0 | QPSK  | NV | NT | -6.57  | -0.008 | PASS |
| Band5 | 5  | 20525 | 25 | #0 | QPSK  | HV | NT | -1.29  | -0.002 | PASS |
| Band5 | 5  | 20525 | 25 | #0 | 16QAM | LV | NT | -4.31  | -0.005 | PASS |
| Band5 | 5  | 20525 | 25 | #0 | 16QAM | NV | NT | -6.88  | -0.008 | PASS |
| Band5 | 5  | 20525 | 25 | #0 | 16QAM | HV | NT | -5.39  | -0.006 | PASS |
| Band5 | 5  | 20625 | 25 | #0 | QPSK  | LV | NT | -8.37  | -0.010 | PASS |
| Band5 | 5  | 20625 | 25 | #0 | QPSK  | NV | NT | -11.03 | -0.013 | PASS |
| Band5 | 5  | 20625 | 25 | #0 | QPSK  | HV | NT | -7.20  | -0.009 | PASS |
| Band5 | 5  | 20625 | 25 | #0 | 16QAM | LV | NT | -5.66  | -0.007 | PASS |
| Band5 | 5  | 20625 | 25 | #0 | 16QAM | NV | NT | -7.38  | -0.009 | PASS |
| Band5 | 5  | 20625 | 25 | #0 | 16QAM | HV | NT | -9.37  | -0.011 | PASS |
| Band5 | 10 | 20450 | 50 | #0 | QPSK  | LV | NT | -7.24  | -0.009 | PASS |
| Band5 | 10 | 20450 | 50 | #0 | QPSK  | NV | NT | -5.45  | -0.007 | PASS |
| Band5 | 10 | 20450 | 50 | #0 | QPSK  | HV | NT | -3.69  | -0.004 | PASS |
| Band5 | 10 | 20450 | 50 | #0 | 16QAM | LV | NT | -5.82  | -0.007 | PASS |
| Band5 | 10 | 20450 | 50 | #0 | 16QAM | NV | NT | -4.76  | -0.006 | PASS |
| Band5 | 10 | 20450 | 50 | #0 | 16QAM | HV | NT | -4.28  | -0.005 | PASS |
| Band5 | 10 | 20525 | 50 | #0 | QPSK  | LV | NT | -2.27  | -0.003 | PASS |
| Band5 | 10 | 20525 | 50 | #0 | QPSK  | NV | NT | -4.26  | -0.005 | PASS |
| Band5 | 10 | 20525 | 50 | #0 | QPSK  | HV | NT | -6.27  | -0.007 | PASS |
| Band5 | 10 | 20525 | 50 | #0 | 16QAM | LV | NT | -2.69  | -0.003 | PASS |
| Band5 | 10 | 20525 | 50 | #0 | 16QAM | NV | NT | -7.55  | -0.009 | PASS |
| Band5 | 10 | 20525 | 50 | #0 | 16QAM | HV | NT | -5.64  | -0.007 | PASS |
| Band5 | 10 | 20600 | 50 | #0 | QPSK  | LV | NT | -8.60  | -0.010 | PASS |
| Band5 | 10 | 20600 | 50 | #0 | QPSK  | NV | NT | -7.37  | -0.009 | PASS |
| Band5 | 10 | 20600 | 50 | #0 | QPSK  | HV | NT | -6.42  | -0.008 | PASS |
| Band5 | 10 | 20600 | 50 | #0 | 16QAM | LV | NT | -7.65  | -0.009 | PASS |
| Band5 | 10 | 20600 | 50 | #0 | 16QAM | NV | NT | -7.12  | -0.008 | PASS |
| Band5 | 10 | 20600 | 50 | #0 | 16QAM | HV | NT | -4.71  | -0.006 | PASS |

| Band  | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Size | RB<br>Position | Modulation | Voltage<br>(Vdc) | Temperature<br>(C) | Result<br>(Hz) | Result<br>(ppm) | Verdict |
|-------|--------------------|---------------|------------|----------------|------------|------------------|--------------------|----------------|-----------------|---------|
| Band5 | 1.4                | 20407         | 6          | #0             | QPSK       | NV               | -30                | -14.68         | -0.018          | PASS    |
| Band5 | 1.4                | 20407         | 6          | #0             | QPSK       | NV               | -20                | -14.20         | -0.017          | PASS    |
| Band5 | 1.4                | 20407         | 6          | #0             | QPSK       | NV               | -10                | -12.70         | -0.015          | PASS    |
| Band5 | 1.4                | 20407         | 6          | #0             | QPSK       | NV               | 0                  | -12.46         | -0.015          | PASS    |

|       |     |       |   |    |       |    |     |        |        |      |
|-------|-----|-------|---|----|-------|----|-----|--------|--------|------|
| Band5 | 1.4 | 20407 | 6 | #0 | QPSK  | NV | 10  | -7.60  | -0.009 | PASS |
| Band5 | 1.4 | 20407 | 6 | #0 | QPSK  | NV | 20  | -5.84  | -0.007 | PASS |
| Band5 | 1.4 | 20407 | 6 | #0 | QPSK  | NV | 30  | -2.17  | -0.003 | PASS |
| Band5 | 1.4 | 20407 | 6 | #0 | QPSK  | NV | 40  | -4.45  | -0.005 | PASS |
| Band5 | 1.4 | 20407 | 6 | #0 | QPSK  | NV | 50  | -5.65  | -0.007 | PASS |
| Band5 | 1.4 | 20407 | 6 | #0 | 16QAM | NV | -30 | -2.15  | -0.003 | PASS |
| Band5 | 1.4 | 20407 | 6 | #0 | 16QAM | NV | -20 | -6.78  | -0.008 | PASS |
| Band5 | 1.4 | 20407 | 6 | #0 | 16QAM | NV | -10 | -4.32  | -0.005 | PASS |
| Band5 | 1.4 | 20407 | 6 | #0 | 16QAM | NV | 0   | 3.58   | 0.004  | PASS |
| Band5 | 1.4 | 20407 | 6 | #0 | 16QAM | NV | 10  | -2.60  | -0.003 | PASS |
| Band5 | 1.4 | 20407 | 6 | #0 | 16QAM | NV | 20  | -6.19  | -0.008 | PASS |
| Band5 | 1.4 | 20407 | 6 | #0 | 16QAM | NV | 30  | -6.54  | -0.008 | PASS |
| Band5 | 1.4 | 20407 | 6 | #0 | 16QAM | NV | 40  | 0.07   | 0.000  | PASS |
| Band5 | 1.4 | 20407 | 6 | #0 | 16QAM | NV | 50  | -3.86  | -0.005 | PASS |
| Band5 | 1.4 | 20525 | 6 | #0 | QPSK  | NV | -30 | -7.61  | -0.009 | PASS |
| Band5 | 1.4 | 20525 | 6 | #0 | QPSK  | NV | -20 | -8.45  | -0.010 | PASS |
| Band5 | 1.4 | 20525 | 6 | #0 | QPSK  | NV | -10 | 1.69   | 0.002  | PASS |
| Band5 | 1.4 | 20525 | 6 | #0 | QPSK  | NV | 0   | -1.36  | -0.002 | PASS |
| Band5 | 1.4 | 20525 | 6 | #0 | QPSK  | NV | 10  | -0.59  | -0.001 | PASS |
| Band5 | 1.4 | 20525 | 6 | #0 | QPSK  | NV | 20  | -6.37  | -0.008 | PASS |
| Band5 | 1.4 | 20525 | 6 | #0 | QPSK  | NV | 30  | -0.09  | 0.000  | PASS |
| Band5 | 1.4 | 20525 | 6 | #0 | QPSK  | NV | 40  | -6.24  | -0.007 | PASS |
| Band5 | 1.4 | 20525 | 6 | #0 | QPSK  | NV | 50  | -4.03  | -0.005 | PASS |
| Band5 | 1.4 | 20525 | 6 | #0 | 16QAM | NV | -30 | 2.43   | 0.003  | PASS |
| Band5 | 1.4 | 20525 | 6 | #0 | 16QAM | NV | -20 | -0.34  | 0.000  | PASS |
| Band5 | 1.4 | 20525 | 6 | #0 | 16QAM | NV | -10 | -1.93  | -0.002 | PASS |
| Band5 | 1.4 | 20525 | 6 | #0 | 16QAM | NV | 0   | -0.86  | -0.001 | PASS |
| Band5 | 1.4 | 20525 | 6 | #0 | 16QAM | NV | 10  | -3.25  | -0.004 | PASS |
| Band5 | 1.4 | 20525 | 6 | #0 | 16QAM | NV | 20  | -5.65  | -0.007 | PASS |
| Band5 | 1.4 | 20525 | 6 | #0 | 16QAM | NV | 30  | 1.14   | 0.001  | PASS |
| Band5 | 1.4 | 20525 | 6 | #0 | 16QAM | NV | 40  | -6.09  | -0.007 | PASS |
| Band5 | 1.4 | 20525 | 6 | #0 | 16QAM | NV | 50  | -3.58  | -0.004 | PASS |
| Band5 | 1.4 | 20643 | 6 | #0 | QPSK  | NV | -30 | -11.13 | -0.013 | PASS |
| Band5 | 1.4 | 20643 | 6 | #0 | QPSK  | NV | -20 | -4.33  | -0.005 | PASS |
| Band5 | 1.4 | 20643 | 6 | #0 | QPSK  | NV | -10 | -3.48  | -0.004 | PASS |
| Band5 | 1.4 | 20643 | 6 | #0 | QPSK  | NV | 0   | -3.33  | -0.004 | PASS |
| Band5 | 1.4 | 20643 | 6 | #0 | QPSK  | NV | 10  | -0.67  | -0.001 | PASS |
| Band5 | 1.4 | 20643 | 6 | #0 | QPSK  | NV | 20  | 3.63   | 0.004  | PASS |
| Band5 | 1.4 | 20643 | 6 | #0 | QPSK  | NV | 30  | 0.70   | 0.001  | PASS |
| Band5 | 1.4 | 20643 | 6 | #0 | QPSK  | NV | 40  | -1.49  | -0.002 | PASS |
| Band5 | 1.4 | 20643 | 6 | #0 | QPSK  | NV | 50  | -2.79  | -0.003 | PASS |
| Band5 | 1.4 | 20643 | 6 | #0 | 16QAM | NV | -30 | 1.99   | 0.002  | PASS |

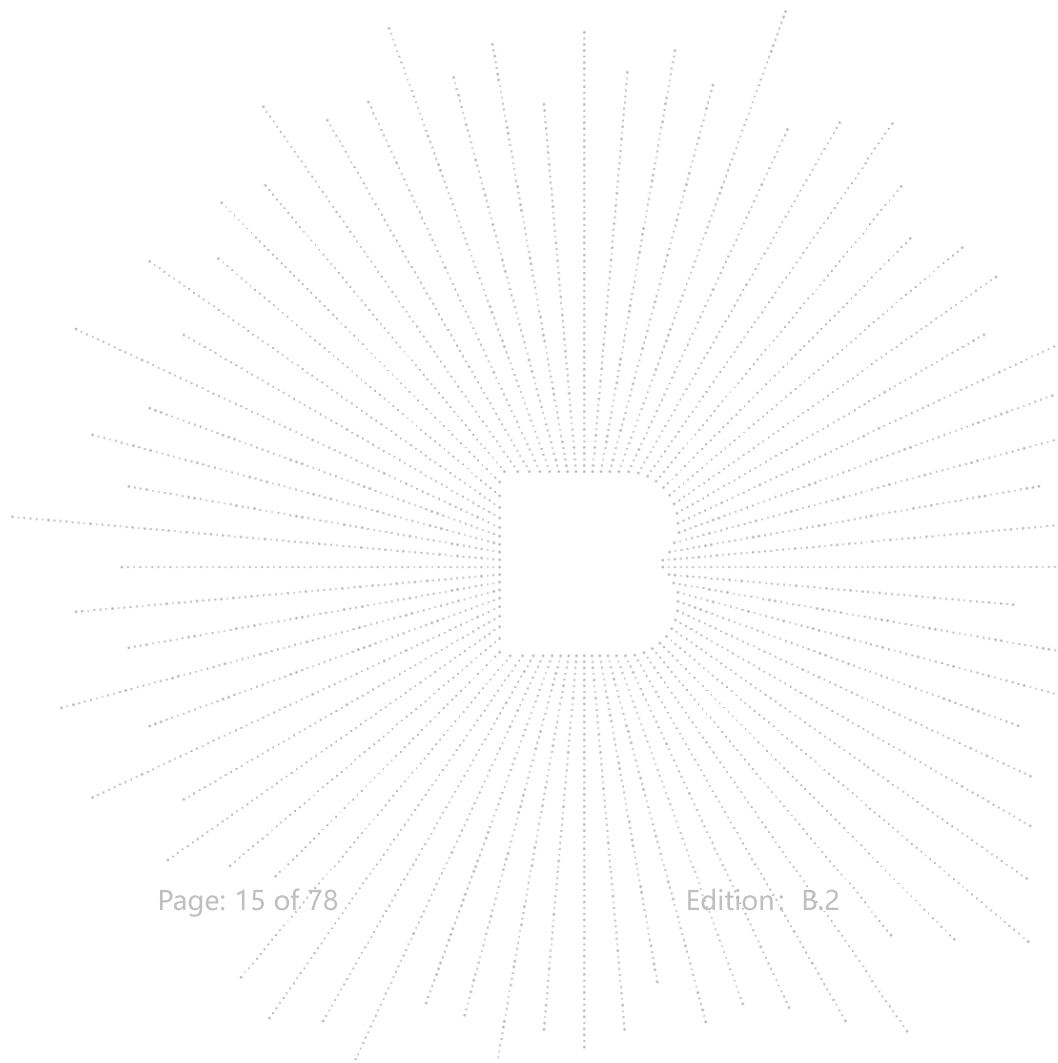
|       |     |       |    |    |       |    |     |        |        |      |
|-------|-----|-------|----|----|-------|----|-----|--------|--------|------|
| Band5 | 1.4 | 20643 | 6  | #0 | 16QAM | NV | -20 | -2.03  | -0.002 | PASS |
| Band5 | 1.4 | 20643 | 6  | #0 | 16QAM | NV | -10 | 6.51   | 0.008  | PASS |
| Band5 | 1.4 | 20643 | 6  | #0 | 16QAM | NV | 0   | 0.49   | 0.001  | PASS |
| Band5 | 1.4 | 20643 | 6  | #0 | 16QAM | NV | 10  | -1.83  | -0.002 | PASS |
| Band5 | 1.4 | 20643 | 6  | #0 | 16QAM | NV | 20  | -3.18  | -0.004 | PASS |
| Band5 | 1.4 | 20643 | 6  | #0 | 16QAM | NV | 30  | -3.52  | -0.004 | PASS |
| Band5 | 1.4 | 20643 | 6  | #0 | 16QAM | NV | 40  | 1.13   | 0.001  | PASS |
| Band5 | 1.4 | 20643 | 6  | #0 | 16QAM | NV | 50  | -2.73  | -0.003 | PASS |
| Band5 | 3   | 20415 | 15 | #0 | QPSK  | NV | -30 | -10.56 | -0.013 | PASS |
| Band5 | 3   | 20415 | 15 | #0 | QPSK  | NV | -20 | -12.57 | -0.015 | PASS |
| Band5 | 3   | 20415 | 15 | #0 | QPSK  | NV | -10 | -9.54  | -0.012 | PASS |
| Band5 | 3   | 20415 | 15 | #0 | QPSK  | NV | 0   | -5.51  | -0.007 | PASS |
| Band5 | 3   | 20415 | 15 | #0 | QPSK  | NV | 10  | -2.70  | -0.003 | PASS |
| Band5 | 3   | 20415 | 15 | #0 | QPSK  | NV | 20  | -3.12  | -0.004 | PASS |
| Band5 | 3   | 20415 | 15 | #0 | QPSK  | NV | 30  | -5.62  | -0.007 | PASS |
| Band5 | 3   | 20415 | 15 | #0 | QPSK  | NV | 40  | -1.32  | -0.002 | PASS |
| Band5 | 3   | 20415 | 15 | #0 | QPSK  | NV | 50  | -5.01  | -0.006 | PASS |
| Band5 | 3   | 20415 | 15 | #0 | 16QAM | NV | -30 | -1.12  | -0.001 | PASS |
| Band5 | 3   | 20415 | 15 | #0 | 16QAM | NV | -20 | 0.01   | 0.000  | PASS |
| Band5 | 3   | 20415 | 15 | #0 | 16QAM | NV | -10 | 0.96   | 0.001  | PASS |
| Band5 | 3   | 20415 | 15 | #0 | 16QAM | NV | 0   | 1.09   | 0.001  | PASS |
| Band5 | 3   | 20415 | 15 | #0 | 16QAM | NV | 10  | -2.68  | -0.003 | PASS |
| Band5 | 3   | 20415 | 15 | #0 | 16QAM | NV | 20  | -5.99  | -0.007 | PASS |
| Band5 | 3   | 20415 | 15 | #0 | 16QAM | NV | 30  | -5.52  | -0.007 | PASS |
| Band5 | 3   | 20415 | 15 | #0 | 16QAM | NV | 40  | 1.06   | 0.001  | PASS |
| Band5 | 3   | 20415 | 15 | #0 | 16QAM | NV | 50  | -3.29  | -0.004 | PASS |
| Band5 | 3   | 20525 | 15 | #0 | QPSK  | NV | -30 | -5.61  | -0.007 | PASS |
| Band5 | 3   | 20525 | 15 | #0 | QPSK  | NV | -20 | -6.39  | -0.008 | PASS |
| Band5 | 3   | 20525 | 15 | #0 | QPSK  | NV | -10 | -3.08  | -0.004 | PASS |
| Band5 | 3   | 20525 | 15 | #0 | QPSK  | NV | 0   | -5.08  | -0.006 | PASS |
| Band5 | 3   | 20525 | 15 | #0 | QPSK  | NV | 10  | -2.10  | -0.003 | PASS |
| Band5 | 3   | 20525 | 15 | #0 | QPSK  | NV | 20  | -6.01  | -0.007 | PASS |
| Band5 | 3   | 20525 | 15 | #0 | QPSK  | NV | 30  | -1.49  | -0.002 | PASS |
| Band5 | 3   | 20525 | 15 | #0 | QPSK  | NV | 40  | -1.32  | -0.002 | PASS |
| Band5 | 3   | 20525 | 15 | #0 | QPSK  | NV | 50  | -2.88  | -0.003 | PASS |
| Band5 | 3   | 20525 | 15 | #0 | 16QAM | NV | -30 | -0.19  | 0.000  | PASS |
| Band5 | 3   | 20525 | 15 | #0 | 16QAM | NV | -20 | -7.55  | -0.009 | PASS |
| Band5 | 3   | 20525 | 15 | #0 | 16QAM | NV | -10 | -2.30  | -0.003 | PASS |
| Band5 | 3   | 20525 | 15 | #0 | 16QAM | NV | 0   | -7.44  | -0.009 | PASS |
| Band5 | 3   | 20525 | 15 | #0 | 16QAM | NV | 10  | -6.64  | -0.008 | PASS |
| Band5 | 3   | 20525 | 15 | #0 | 16QAM | NV | 20  | -6.07  | -0.007 | PASS |
| Band5 | 3   | 20525 | 15 | #0 | 16QAM | NV | 30  | -3.73  | -0.004 | PASS |

|       |   |       |    |    |       |    |     |        |        |      |
|-------|---|-------|----|----|-------|----|-----|--------|--------|------|
| Band5 | 3 | 20525 | 15 | #0 | 16QAM | NV | 40  | -9.73  | -0.012 | PASS |
| Band5 | 3 | 20525 | 15 | #0 | 16QAM | NV | 50  | -5.72  | -0.007 | PASS |
| Band5 | 3 | 20635 | 15 | #0 | QPSK  | NV | -30 | -4.41  | -0.005 | PASS |
| Band5 | 3 | 20635 | 15 | #0 | QPSK  | NV | -20 | -6.31  | -0.007 | PASS |
| Band5 | 3 | 20635 | 15 | #0 | QPSK  | NV | -10 | -5.75  | -0.007 | PASS |
| Band5 | 3 | 20635 | 15 | #0 | QPSK  | NV | 0   | -1.66  | -0.002 | PASS |
| Band5 | 3 | 20635 | 15 | #0 | QPSK  | NV | 10  | -2.62  | -0.003 | PASS |
| Band5 | 3 | 20635 | 15 | #0 | QPSK  | NV | 20  | -2.99  | -0.004 | PASS |
| Band5 | 3 | 20635 | 15 | #0 | QPSK  | NV | 30  | 1.13   | 0.001  | PASS |
| Band5 | 3 | 20635 | 15 | #0 | QPSK  | NV | 40  | -2.05  | -0.002 | PASS |
| Band5 | 3 | 20635 | 15 | #0 | QPSK  | NV | 50  | -1.66  | -0.002 | PASS |
| Band5 | 3 | 20635 | 15 | #0 | 16QAM | NV | -30 | -2.05  | -0.002 | PASS |
| Band5 | 3 | 20635 | 15 | #0 | 16QAM | NV | -20 | 0.31   | 0.000  | PASS |
| Band5 | 3 | 20635 | 15 | #0 | 16QAM | NV | -10 | -9.30  | -0.011 | PASS |
| Band5 | 3 | 20635 | 15 | #0 | 16QAM | NV | 0   | -4.91  | -0.006 | PASS |
| Band5 | 3 | 20635 | 15 | #0 | 16QAM | NV | 10  | -4.41  | -0.005 | PASS |
| Band5 | 3 | 20635 | 15 | #0 | 16QAM | NV | 20  | -5.11  | -0.006 | PASS |
| Band5 | 3 | 20635 | 15 | #0 | 16QAM | NV | 30  | -3.50  | -0.004 | PASS |
| Band5 | 3 | 20635 | 15 | #0 | 16QAM | NV | 40  | -3.28  | -0.004 | PASS |
| Band5 | 3 | 20635 | 15 | #0 | 16QAM | NV | 50  | -2.63  | -0.003 | PASS |
| Band5 | 5 | 20425 | 25 | #0 | QPSK  | NV | -30 | -10.21 | -0.012 | PASS |
| Band5 | 5 | 20425 | 25 | #0 | QPSK  | NV | -20 | -8.43  | -0.010 | PASS |
| Band5 | 5 | 20425 | 25 | #0 | QPSK  | NV | -10 | -4.81  | -0.006 | PASS |
| Band5 | 5 | 20425 | 25 | #0 | QPSK  | NV | 0   | -5.59  | -0.007 | PASS |
| Band5 | 5 | 20425 | 25 | #0 | QPSK  | NV | 10  | -3.43  | -0.004 | PASS |
| Band5 | 5 | 20425 | 25 | #0 | QPSK  | NV | 20  | -5.38  | -0.007 | PASS |
| Band5 | 5 | 20425 | 25 | #0 | QPSK  | NV | 30  | -7.28  | -0.009 | PASS |
| Band5 | 5 | 20425 | 25 | #0 | QPSK  | NV | 40  | -3.68  | -0.004 | PASS |
| Band5 | 5 | 20425 | 25 | #0 | QPSK  | NV | 50  | -6.58  | -0.008 | PASS |
| Band5 | 5 | 20425 | 25 | #0 | 16QAM | NV | -30 | -5.97  | -0.007 | PASS |
| Band5 | 5 | 20425 | 25 | #0 | 16QAM | NV | -20 | -3.55  | -0.004 | PASS |
| Band5 | 5 | 20425 | 25 | #0 | 16QAM | NV | -10 | -3.26  | -0.004 | PASS |
| Band5 | 5 | 20425 | 25 | #0 | 16QAM | NV | 0   | -5.28  | -0.006 | PASS |
| Band5 | 5 | 20425 | 25 | #0 | 16QAM | NV | 10  | -3.75  | -0.005 | PASS |
| Band5 | 5 | 20425 | 25 | #0 | 16QAM | NV | 20  | -6.67  | -0.008 | PASS |
| Band5 | 5 | 20425 | 25 | #0 | 16QAM | NV | 30  | -8.63  | -0.010 | PASS |
| Band5 | 5 | 20425 | 25 | #0 | 16QAM | NV | 40  | -3.78  | -0.005 | PASS |
| Band5 | 5 | 20425 | 25 | #0 | 16QAM | NV | 50  | -12.06 | -0.015 | PASS |
| Band5 | 5 | 20525 | 25 | #0 | QPSK  | NV | -30 | -6.37  | -0.008 | PASS |
| Band5 | 5 | 20525 | 25 | #0 | QPSK  | NV | -20 | -7.00  | -0.008 | PASS |
| Band5 | 5 | 20525 | 25 | #0 | QPSK  | NV | -10 | -1.82  | -0.002 | PASS |
| Band5 | 5 | 20525 | 25 | #0 | QPSK  | NV | 0   | -7.28  | -0.009 | PASS |

|       |    |       |    |    |       |    |     |       |        |      |
|-------|----|-------|----|----|-------|----|-----|-------|--------|------|
| Band5 | 5  | 20525 | 25 | #0 | QPSK  | NV | 10  | -5.25 | -0.006 | PASS |
| Band5 | 5  | 20525 | 25 | #0 | QPSK  | NV | 20  | -7.87 | -0.009 | PASS |
| Band5 | 5  | 20525 | 25 | #0 | QPSK  | NV | 30  | -5.89 | -0.007 | PASS |
| Band5 | 5  | 20525 | 25 | #0 | QPSK  | NV | 40  | -2.75 | -0.003 | PASS |
| Band5 | 5  | 20525 | 25 | #0 | QPSK  | NV | 50  | -9.71 | -0.012 | PASS |
| Band5 | 5  | 20525 | 25 | #0 | 16QAM | NV | -30 | 0.57  | 0.001  | PASS |
| Band5 | 5  | 20525 | 25 | #0 | 16QAM | NV | -20 | -4.68 | -0.006 | PASS |
| Band5 | 5  | 20525 | 25 | #0 | 16QAM | NV | -10 | -5.18 | -0.006 | PASS |
| Band5 | 5  | 20525 | 25 | #0 | 16QAM | NV | 0   | -6.07 | -0.007 | PASS |
| Band5 | 5  | 20525 | 25 | #0 | 16QAM | NV | 10  | -5.38 | -0.006 | PASS |
| Band5 | 5  | 20525 | 25 | #0 | 16QAM | NV | 20  | -8.90 | -0.011 | PASS |
| Band5 | 5  | 20525 | 25 | #0 | 16QAM | NV | 30  | -5.48 | -0.007 | PASS |
| Band5 | 5  | 20525 | 25 | #0 | 16QAM | NV | 40  | -5.51 | -0.007 | PASS |
| Band5 | 5  | 20525 | 25 | #0 | 16QAM | NV | 50  | -8.38 | -0.010 | PASS |
| Band5 | 5  | 20625 | 25 | #0 | QPSK  | NV | -30 | -5.02 | -0.006 | PASS |
| Band5 | 5  | 20625 | 25 | #0 | QPSK  | NV | -20 | -4.95 | -0.006 | PASS |
| Band5 | 5  | 20625 | 25 | #0 | QPSK  | NV | -10 | -9.78 | -0.012 | PASS |
| Band5 | 5  | 20625 | 25 | #0 | QPSK  | NV | 0   | -5.64 | -0.007 | PASS |
| Band5 | 5  | 20625 | 25 | #0 | QPSK  | NV | 10  | -3.79 | -0.004 | PASS |
| Band5 | 5  | 20625 | 25 | #0 | QPSK  | NV | 20  | -2.26 | -0.003 | PASS |
| Band5 | 5  | 20625 | 25 | #0 | QPSK  | NV | 30  | -4.19 | -0.005 | PASS |
| Band5 | 5  | 20625 | 25 | #0 | QPSK  | NV | 40  | -4.03 | -0.005 | PASS |
| Band5 | 5  | 20625 | 25 | #0 | QPSK  | NV | 50  | -0.43 | -0.001 | PASS |
| Band5 | 5  | 20625 | 25 | #0 | 16QAM | NV | -30 | -4.42 | -0.005 | PASS |
| Band5 | 5  | 20625 | 25 | #0 | 16QAM | NV | -20 | -9.86 | -0.012 | PASS |
| Band5 | 5  | 20625 | 25 | #0 | 16QAM | NV | -10 | -7.81 | -0.009 | PASS |
| Band5 | 5  | 20625 | 25 | #0 | 16QAM | NV | 0   | -8.23 | -0.010 | PASS |
| Band5 | 5  | 20625 | 25 | #0 | 16QAM | NV | 10  | -6.14 | -0.007 | PASS |
| Band5 | 5  | 20625 | 25 | #0 | 16QAM | NV | 20  | -1.95 | -0.002 | PASS |
| Band5 | 5  | 20625 | 25 | #0 | 16QAM | NV | 30  | -0.64 | -0.001 | PASS |
| Band5 | 5  | 20625 | 25 | #0 | 16QAM | NV | 40  | -2.23 | -0.003 | PASS |
| Band5 | 5  | 20625 | 25 | #0 | 16QAM | NV | 50  | -2.56 | -0.003 | PASS |
| Band5 | 10 | 20450 | 50 | #0 | QPSK  | NV | -30 | -7.25 | -0.009 | PASS |
| Band5 | 10 | 20450 | 50 | #0 | QPSK  | NV | -20 | -5.49 | -0.007 | PASS |
| Band5 | 10 | 20450 | 50 | #0 | QPSK  | NV | -10 | -6.51 | -0.008 | PASS |
| Band5 | 10 | 20450 | 50 | #0 | QPSK  | NV | 0   | -6.22 | -0.008 | PASS |
| Band5 | 10 | 20450 | 50 | #0 | QPSK  | NV | 10  | -6.82 | -0.008 | PASS |
| Band5 | 10 | 20450 | 50 | #0 | QPSK  | NV | 20  | -5.52 | -0.007 | PASS |
| Band5 | 10 | 20450 | 50 | #0 | QPSK  | NV | 30  | -5.25 | -0.006 | PASS |
| Band5 | 10 | 20450 | 50 | #0 | QPSK  | NV | 40  | -7.94 | -0.010 | PASS |
| Band5 | 10 | 20450 | 50 | #0 | QPSK  | NV | 50  | -7.54 | -0.009 | PASS |
| Band5 | 10 | 20450 | 50 | #0 | 16QAM | NV | -30 | -4.41 | -0.005 | PASS |

|       |    |       |    |    |       |    |     |        |        |      |
|-------|----|-------|----|----|-------|----|-----|--------|--------|------|
| Band5 | 10 | 20450 | 50 | #0 | 16QAM | NV | -20 | -4.81  | -0.006 | PASS |
| Band5 | 10 | 20450 | 50 | #0 | 16QAM | NV | -10 | -5.87  | -0.007 | PASS |
| Band5 | 10 | 20450 | 50 | #0 | 16QAM | NV | 0   | -3.88  | -0.005 | PASS |
| Band5 | 10 | 20450 | 50 | #0 | 16QAM | NV | 10  | -8.88  | -0.011 | PASS |
| Band5 | 10 | 20450 | 50 | #0 | 16QAM | NV | 20  | -6.54  | -0.008 | PASS |
| Band5 | 10 | 20450 | 50 | #0 | 16QAM | NV | 30  | -8.64  | -0.010 | PASS |
| Band5 | 10 | 20450 | 50 | #0 | 16QAM | NV | 40  | -7.31  | -0.009 | PASS |
| Band5 | 10 | 20450 | 50 | #0 | 16QAM | NV | 50  | -5.97  | -0.007 | PASS |
| Band5 | 10 | 20525 | 50 | #0 | QPSK  | NV | -30 | -9.77  | -0.012 | PASS |
| Band5 | 10 | 20525 | 50 | #0 | QPSK  | NV | -20 | -3.65  | -0.004 | PASS |
| Band5 | 10 | 20525 | 50 | #0 | QPSK  | NV | -10 | -3.55  | -0.004 | PASS |
| Band5 | 10 | 20525 | 50 | #0 | QPSK  | NV | 0   | -7.20  | -0.009 | PASS |
| Band5 | 10 | 20525 | 50 | #0 | QPSK  | NV | 10  | -1.77  | -0.002 | PASS |
| Band5 | 10 | 20525 | 50 | #0 | QPSK  | NV | 20  | -4.25  | -0.005 | PASS |
| Band5 | 10 | 20525 | 50 | #0 | QPSK  | NV | 30  | -2.79  | -0.003 | PASS |
| Band5 | 10 | 20525 | 50 | #0 | QPSK  | NV | 40  | -2.60  | -0.003 | PASS |
| Band5 | 10 | 20525 | 50 | #0 | QPSK  | NV | 50  | -2.78  | -0.003 | PASS |
| Band5 | 10 | 20525 | 50 | #0 | 16QAM | NV | -30 | -7.18  | -0.009 | PASS |
| Band5 | 10 | 20525 | 50 | #0 | 16QAM | NV | -20 | -3.28  | -0.004 | PASS |
| Band5 | 10 | 20525 | 50 | #0 | 16QAM | NV | -10 | -6.54  | -0.008 | PASS |
| Band5 | 10 | 20525 | 50 | #0 | 16QAM | NV | 0   | -5.09  | -0.006 | PASS |
| Band5 | 10 | 20525 | 50 | #0 | 16QAM | NV | 10  | -5.75  | -0.007 | PASS |
| Band5 | 10 | 20525 | 50 | #0 | 16QAM | NV | 20  | -6.48  | -0.008 | PASS |
| Band5 | 10 | 20525 | 50 | #0 | 16QAM | NV | 30  | -5.81  | -0.007 | PASS |
| Band5 | 10 | 20525 | 50 | #0 | 16QAM | NV | 40  | -4.78  | -0.006 | PASS |
| Band5 | 10 | 20525 | 50 | #0 | 16QAM | NV | 50  | -6.22  | -0.007 | PASS |
| Band5 | 10 | 20600 | 50 | #0 | QPSK  | NV | -30 | -10.23 | -0.012 | PASS |
| Band5 | 10 | 20600 | 50 | #0 | QPSK  | NV | -20 | -7.58  | -0.009 | PASS |
| Band5 | 10 | 20600 | 50 | #0 | QPSK  | NV | -10 | -6.24  | -0.007 | PASS |
| Band5 | 10 | 20600 | 50 | #0 | QPSK  | NV | 0   | -7.18  | -0.009 | PASS |
| Band5 | 10 | 20600 | 50 | #0 | QPSK  | NV | 10  | -7.97  | -0.009 | PASS |
| Band5 | 10 | 20600 | 50 | #0 | QPSK  | NV | 20  | -9.20  | -0.011 | PASS |
| Band5 | 10 | 20600 | 50 | #0 | QPSK  | NV | 30  | -6.12  | -0.007 | PASS |
| Band5 | 10 | 20600 | 50 | #0 | QPSK  | NV | 40  | -7.41  | -0.009 | PASS |
| Band5 | 10 | 20600 | 50 | #0 | QPSK  | NV | 50  | -8.67  | -0.010 | PASS |
| Band5 | 10 | 20600 | 50 | #0 | 16QAM | NV | -30 | -6.02  | -0.007 | PASS |
| Band5 | 10 | 20600 | 50 | #0 | 16QAM | NV | -20 | -4.73  | -0.006 | PASS |
| Band5 | 10 | 20600 | 50 | #0 | 16QAM | NV | -10 | -10.19 | -0.012 | PASS |
| Band5 | 10 | 20600 | 50 | #0 | 16QAM | NV | 0   | -6.35  | -0.008 | PASS |
| Band5 | 10 | 20600 | 50 | #0 | 16QAM | NV | 10  | -4.72  | -0.006 | PASS |
| Band5 | 10 | 20600 | 50 | #0 | 16QAM | NV | 20  | -7.45  | -0.009 | PASS |
| Band5 | 10 | 20600 | 50 | #0 | 16QAM | NV | 30  | -11.19 | -0.013 | PASS |

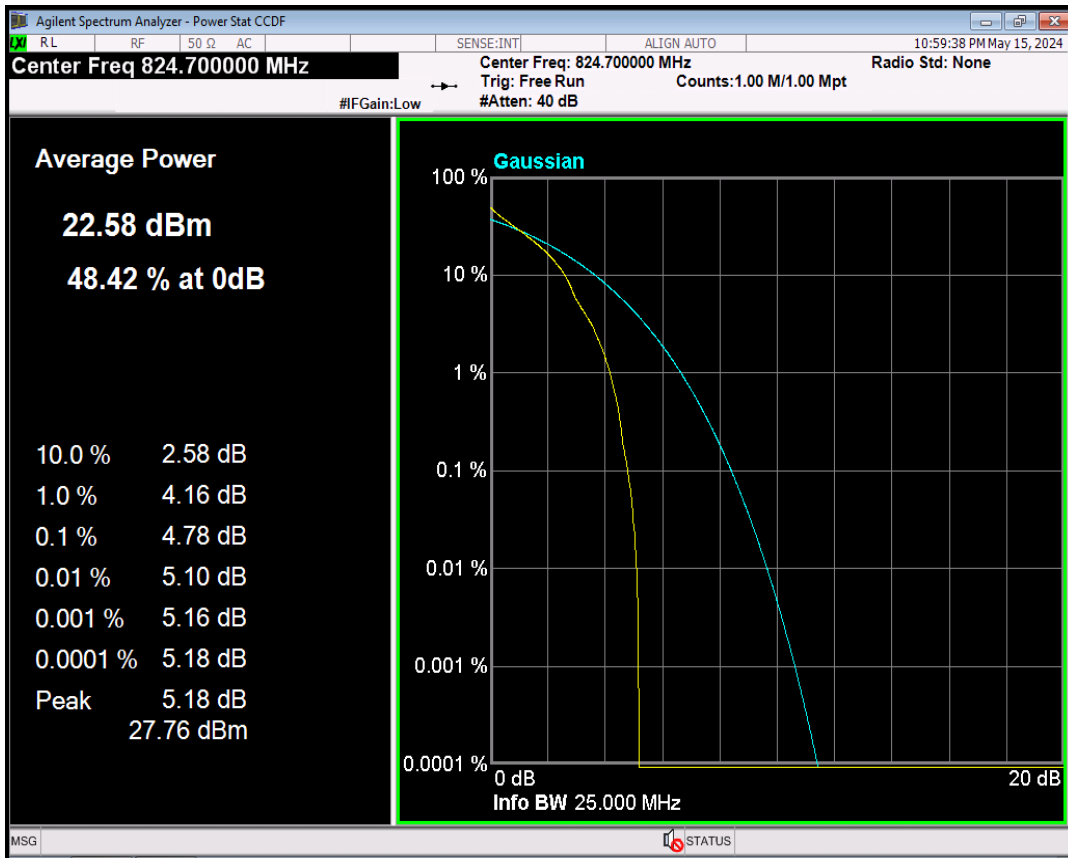
|       |    |       |    |    |       |    |    |        |        |      |
|-------|----|-------|----|----|-------|----|----|--------|--------|------|
| Band5 | 10 | 20600 | 50 | #0 | 16QAM | NV | 40 | -5.19  | -0.006 | PASS |
| Band5 | 10 | 20600 | 50 | #0 | 16QAM | NV | 50 | -10.11 | -0.012 | PASS |



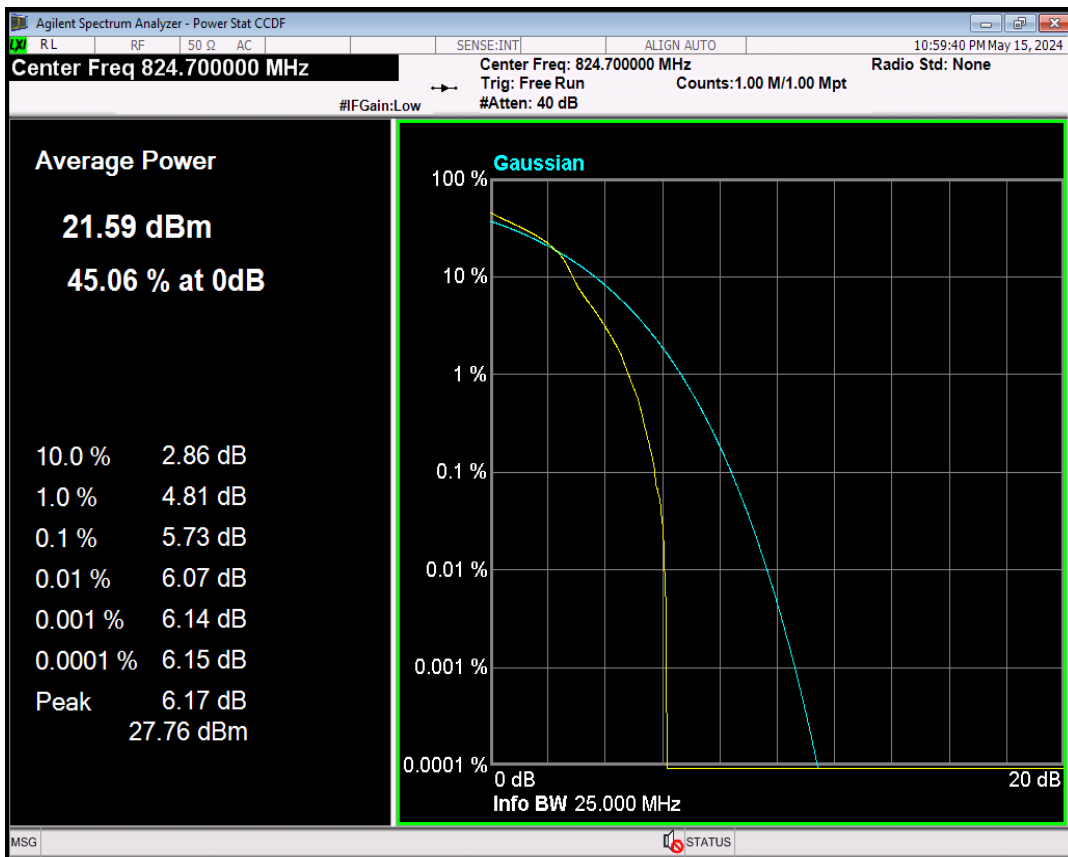
### Appendix 3. Peak-to-Average Ratio

| Band  | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Result (dB) | high Limit (dB) | Verdict |
|-------|-----------------|------------|---------|-------------|------------|-------------|-----------------|---------|
| Band5 | 1.4             | 20407      | 1       | #0          | QPSK       | 4.78        | 13              | PASS    |
| Band5 | 1.4             | 20407      | 1       | #0          | 16QAM      | 5.73        | 13              | PASS    |
| Band5 | 1.4             | 20525      | 1       | #0          | QPSK       | 4.87        | 13              | PASS    |
| Band5 | 1.4             | 20525      | 1       | #0          | 16QAM      | 5.60        | 13              | PASS    |
| Band5 | 1.4             | 20643      | 1       | #0          | QPSK       | 2.39        | 13              | PASS    |
| Band5 | 1.4             | 20643      | 1       | #0          | 16QAM      | 3.42        | 13              | PASS    |
| Band5 | 3               | 20415      | 1       | #0          | QPSK       | 4.72        | 13              | PASS    |
| Band5 | 3               | 20415      | 1       | #0          | 16QAM      | 5.64        | 13              | PASS    |
| Band5 | 3               | 20525      | 1       | #0          | QPSK       | 4.85        | 13              | PASS    |
| Band5 | 3               | 20525      | 1       | #0          | 16QAM      | 5.54        | 13              | PASS    |
| Band5 | 3               | 20635      | 1       | #0          | QPSK       | 4.29        | 13              | PASS    |
| Band5 | 3               | 20635      | 1       | #0          | 16QAM      | 5.18        | 13              | PASS    |
| Band5 | 5               | 20425      | 1       | #0          | QPSK       | 5.01        | 13              | PASS    |
| Band5 | 5               | 20425      | 1       | #0          | 16QAM      | 5.58        | 13              | PASS    |
| Band5 | 5               | 20525      | 1       | #0          | QPSK       | 4.77        | 13              | PASS    |
| Band5 | 5               | 20525      | 1       | #0          | 16QAM      | 5.39        | 13              | PASS    |
| Band5 | 5               | 20625      | 1       | #0          | QPSK       | 4.14        | 13              | PASS    |
| Band5 | 5               | 20625      | 1       | #0          | 16QAM      | 4.81        | 13              | PASS    |
| Band5 | 10              | 20450      | 1       | #0          | QPSK       | 4.44        | 13              | PASS    |
| Band5 | 10              | 20450      | 1       | #0          | 16QAM      | 5.28        | 13              | PASS    |
| Band5 | 10              | 20525      | 1       | #0          | QPSK       | 3.98        | 13              | PASS    |
| Band5 | 10              | 20525      | 1       | #0          | 16QAM      | 4.84        | 13              | PASS    |
| Band5 | 10              | 20600      | 1       | #0          | QPSK       | 3.01        | 13              | PASS    |
| Band5 | 10              | 20600      | 1       | #0          | 16QAM      | 4.05        | 13              | PASS    |

Band5 QPSK BW=1.4MHz Channel=20407 RB Size=1 Position=#0

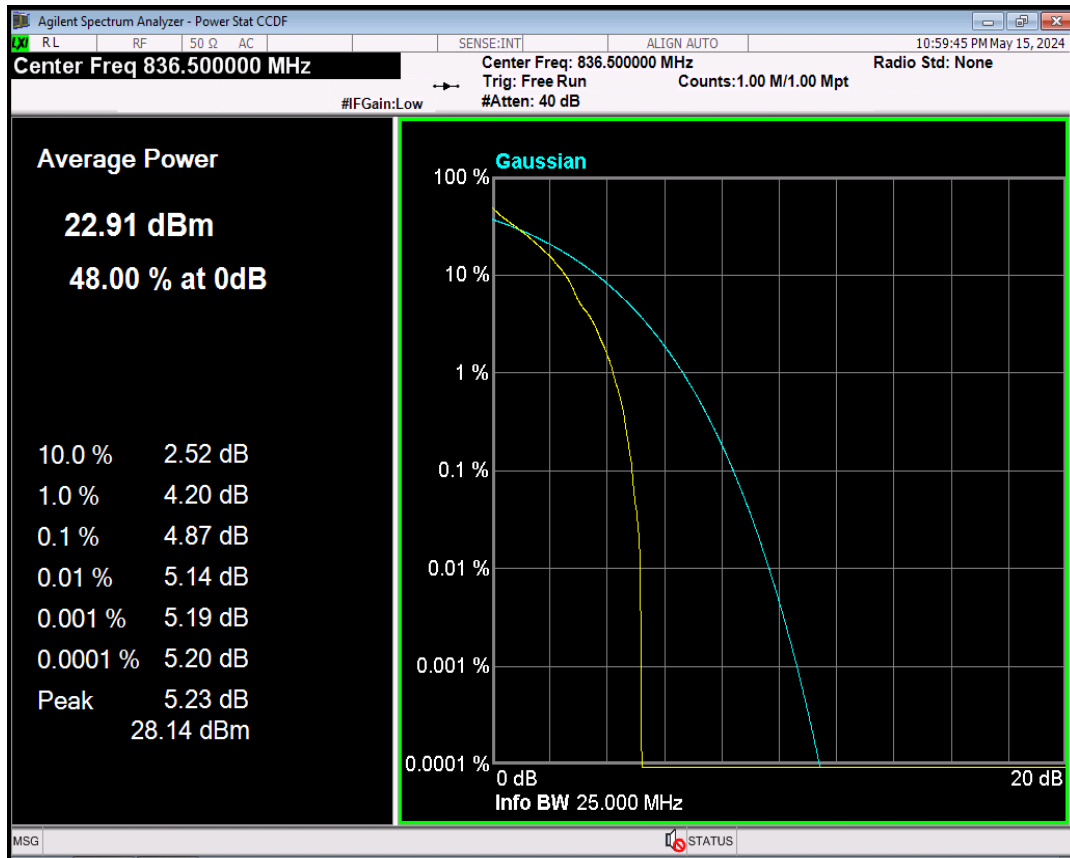


Band5 16QAM BW=1.4MHz Channel=20407 RB Size=1 Position=#0

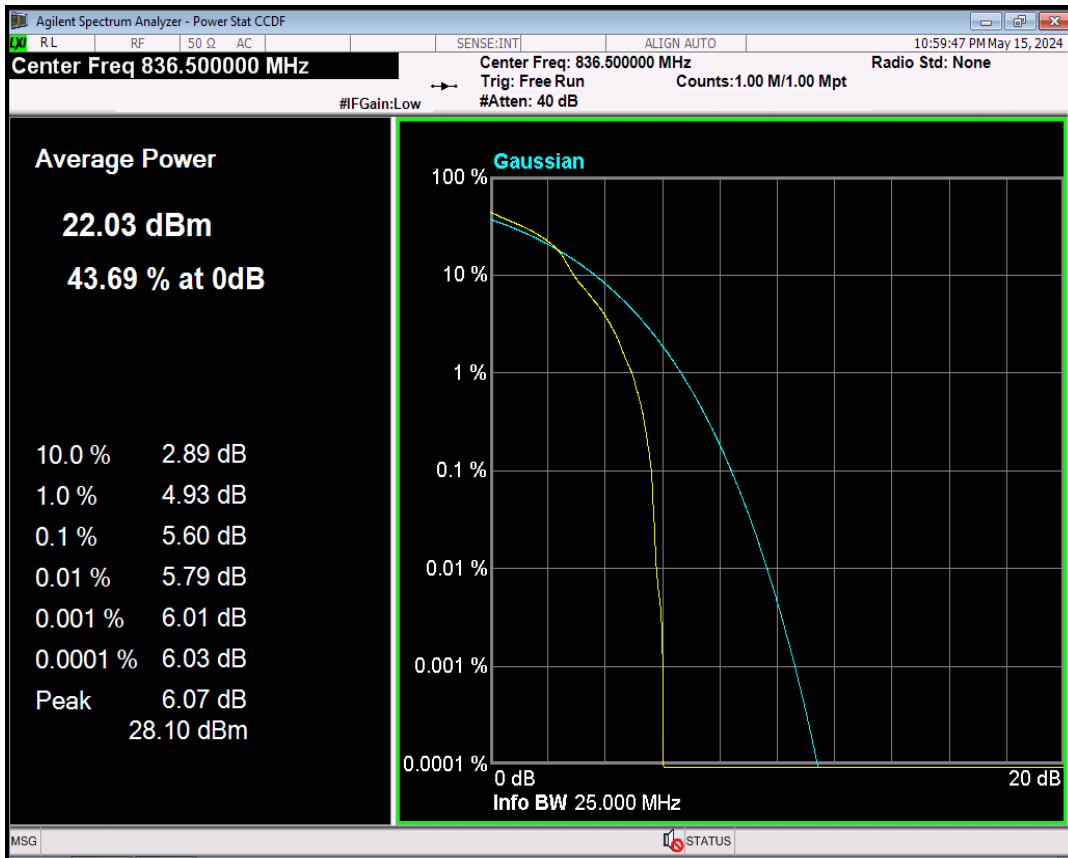




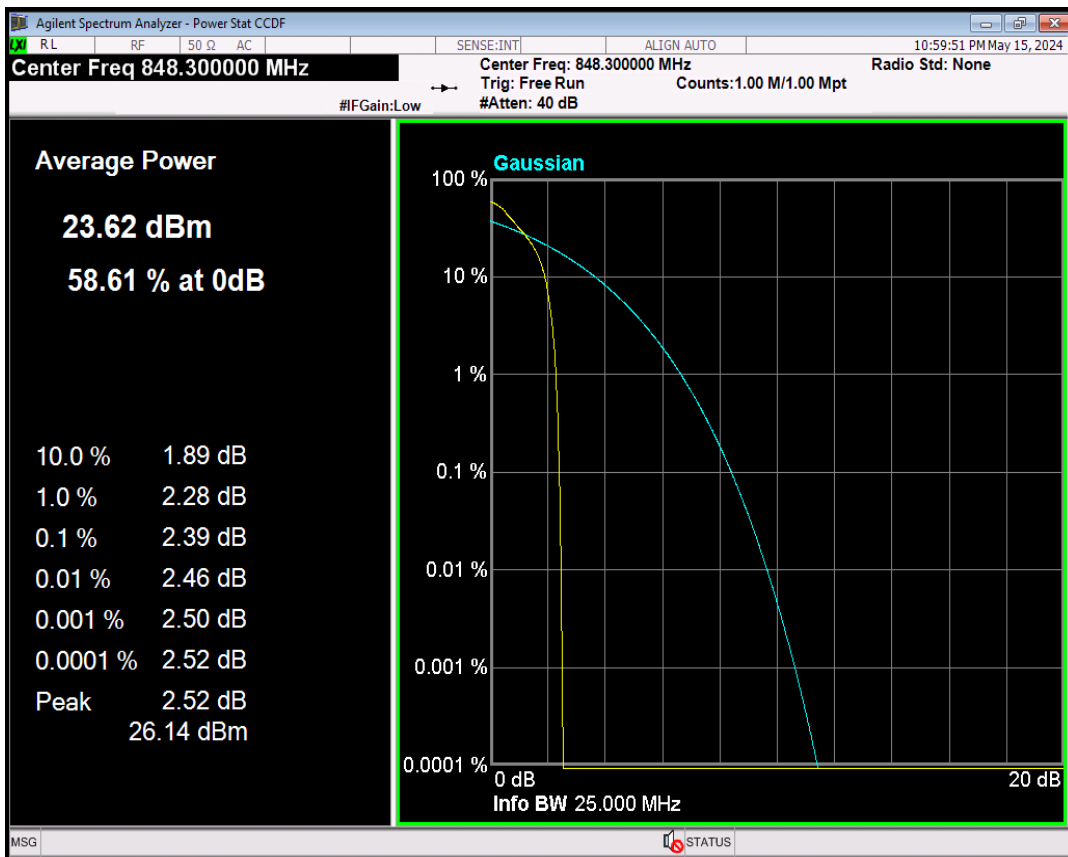
Band5 QPSK BW=1.4MHz Channel=20525 RB Size=1 Position=#0



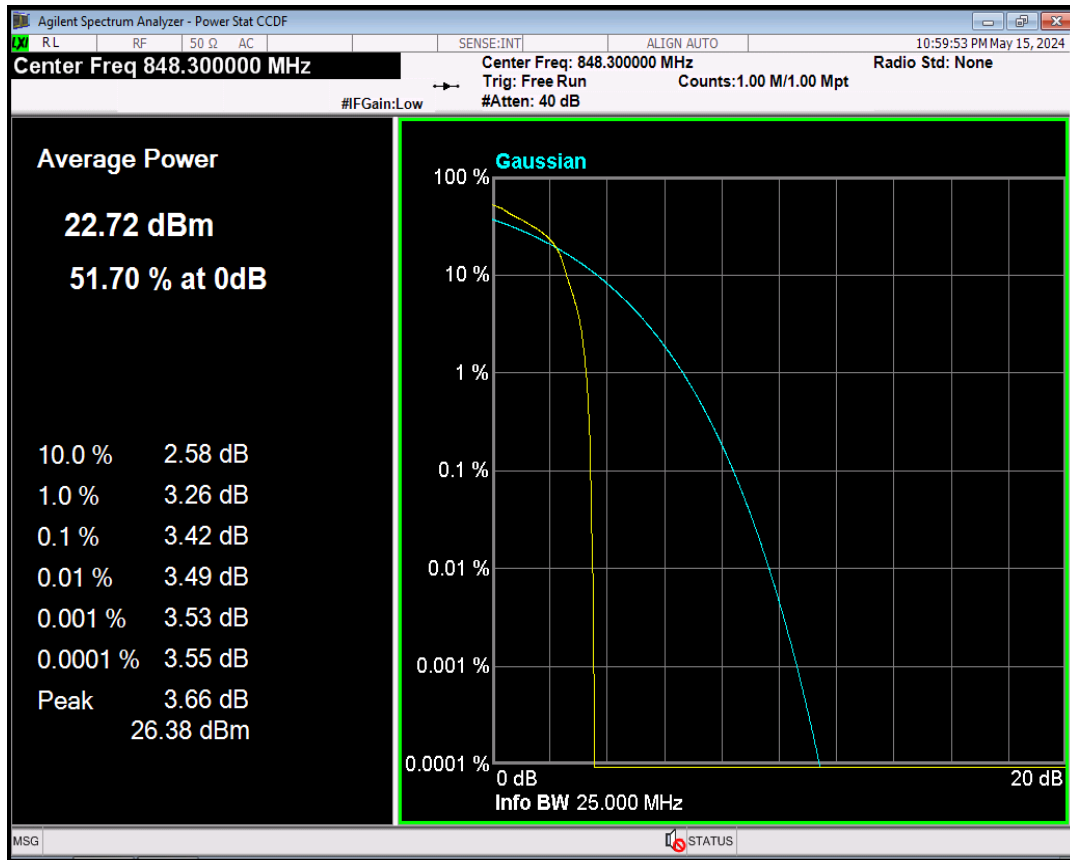
Band5 16QAM BW=1.4MHz Channel=20525 RB Size=1 Position=#0



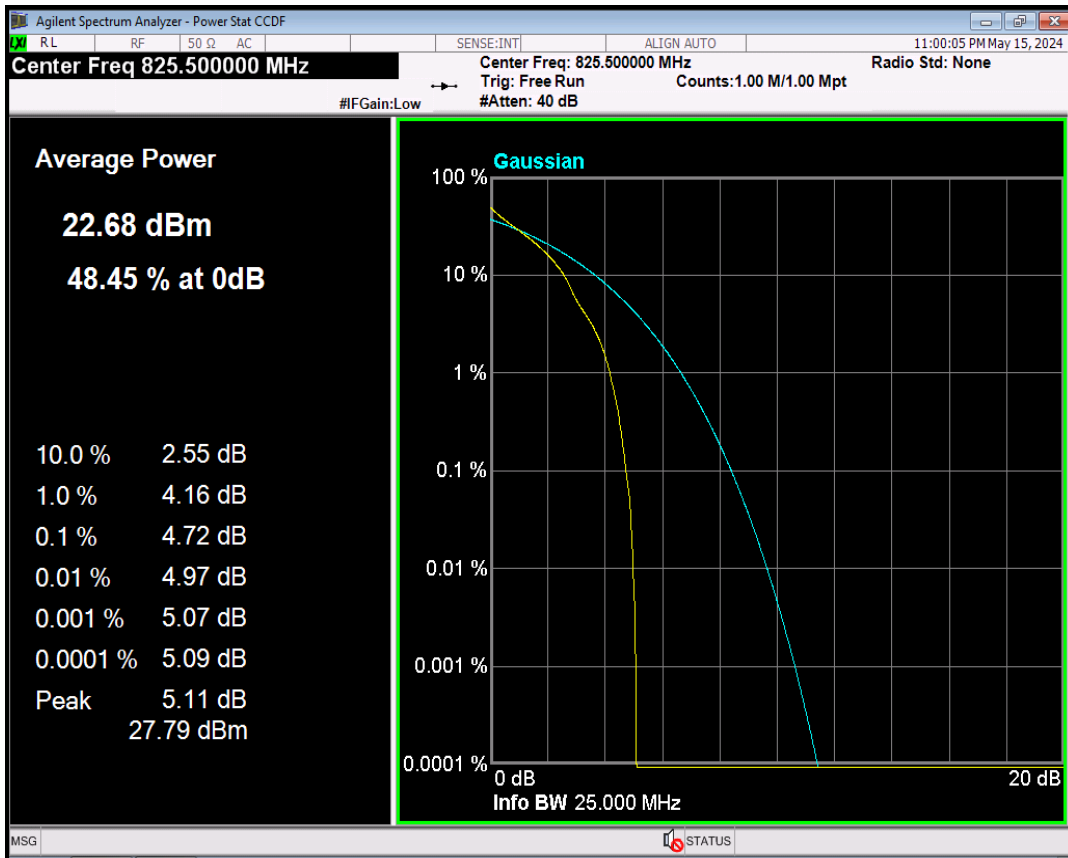
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=1 Position=#0



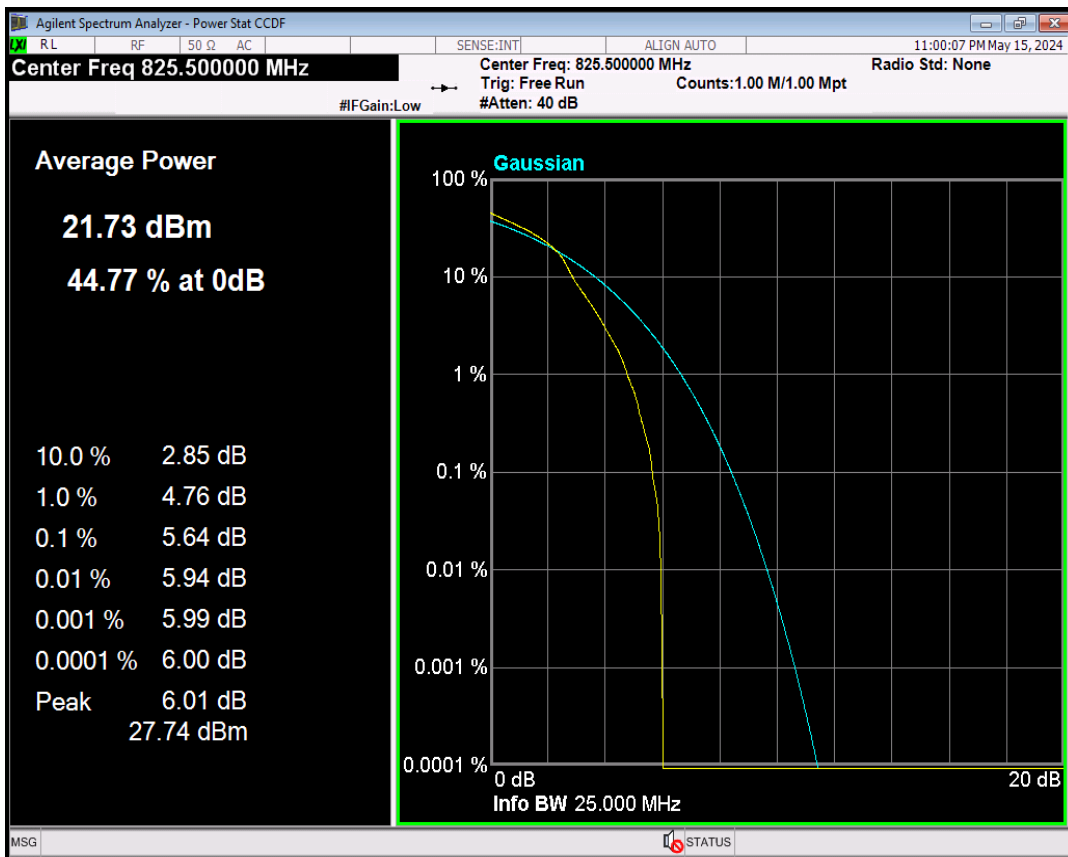
Band5 16QAM BW=1.4MHz Channel=20643 RB Size=1 Position=#0



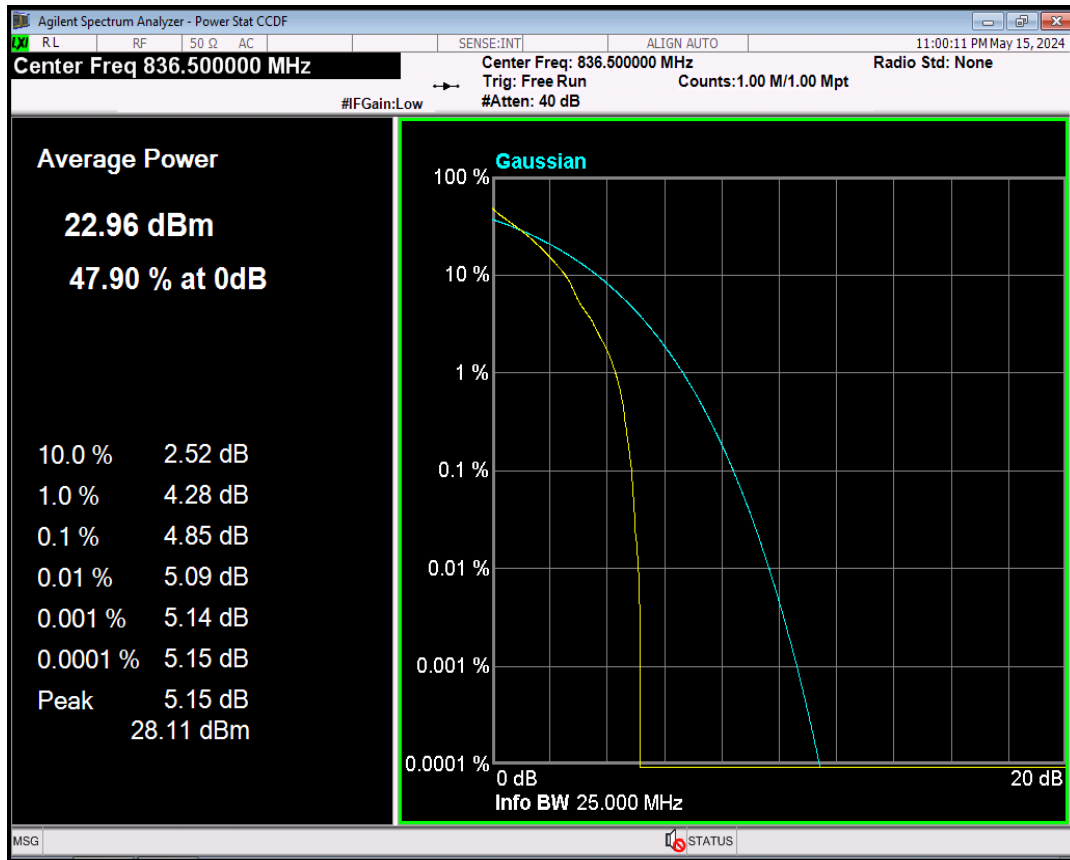
Band5 QPSK BW=3MHz Channel=20415 RB Size=1 Position=#0



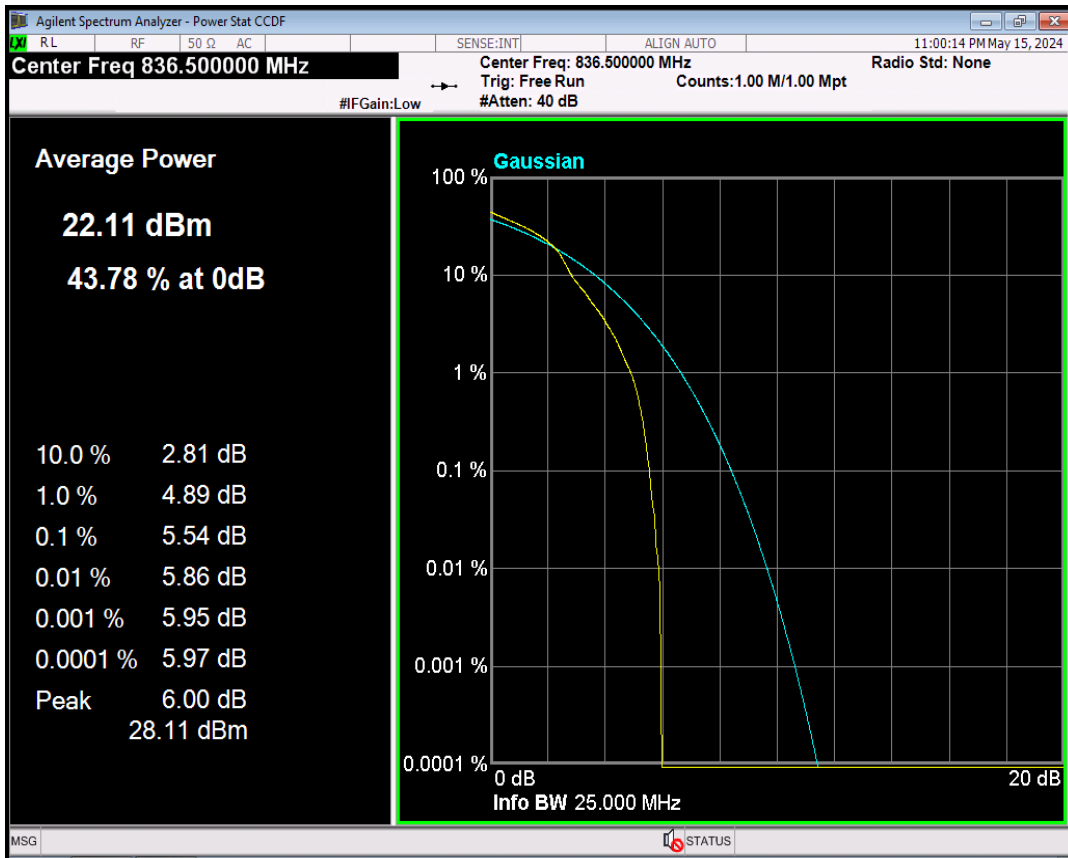
Band5 16QAM BW=3MHz Channel=20415 RB Size=1 Position=#0



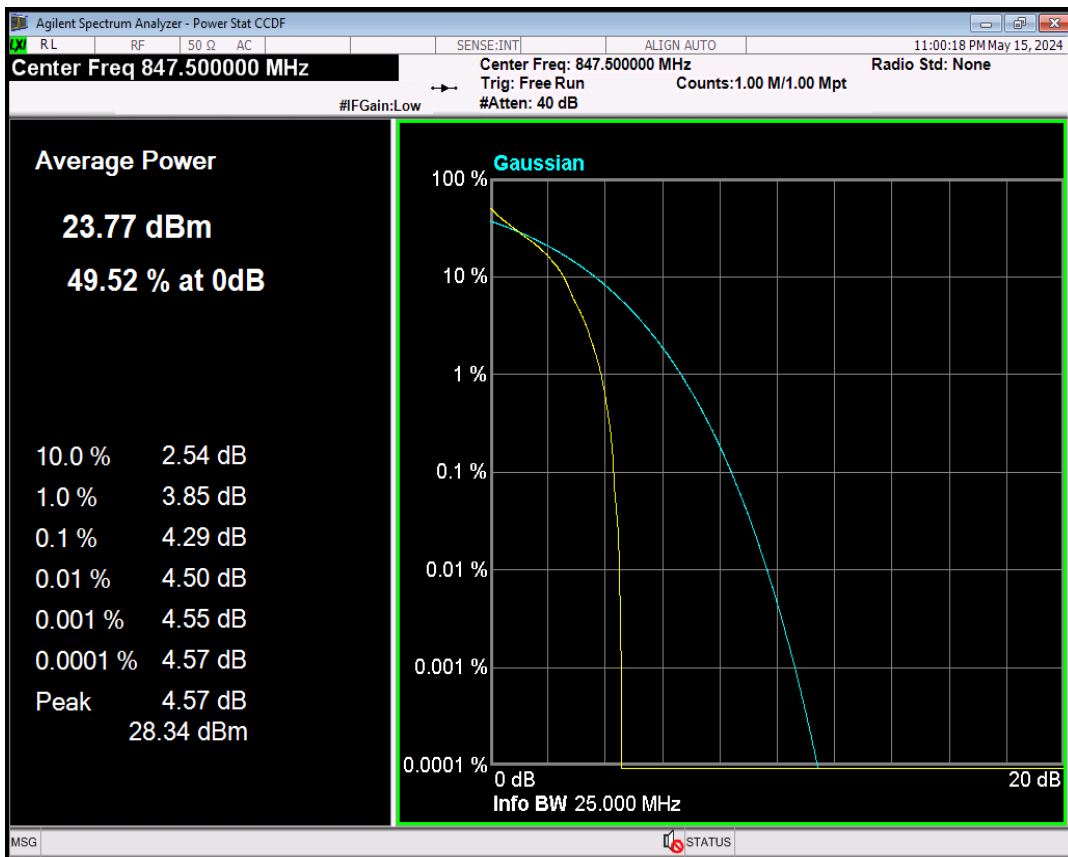
Band5 QPSK BW=3MHz Channel=20525 RB Size=1 Position=#0



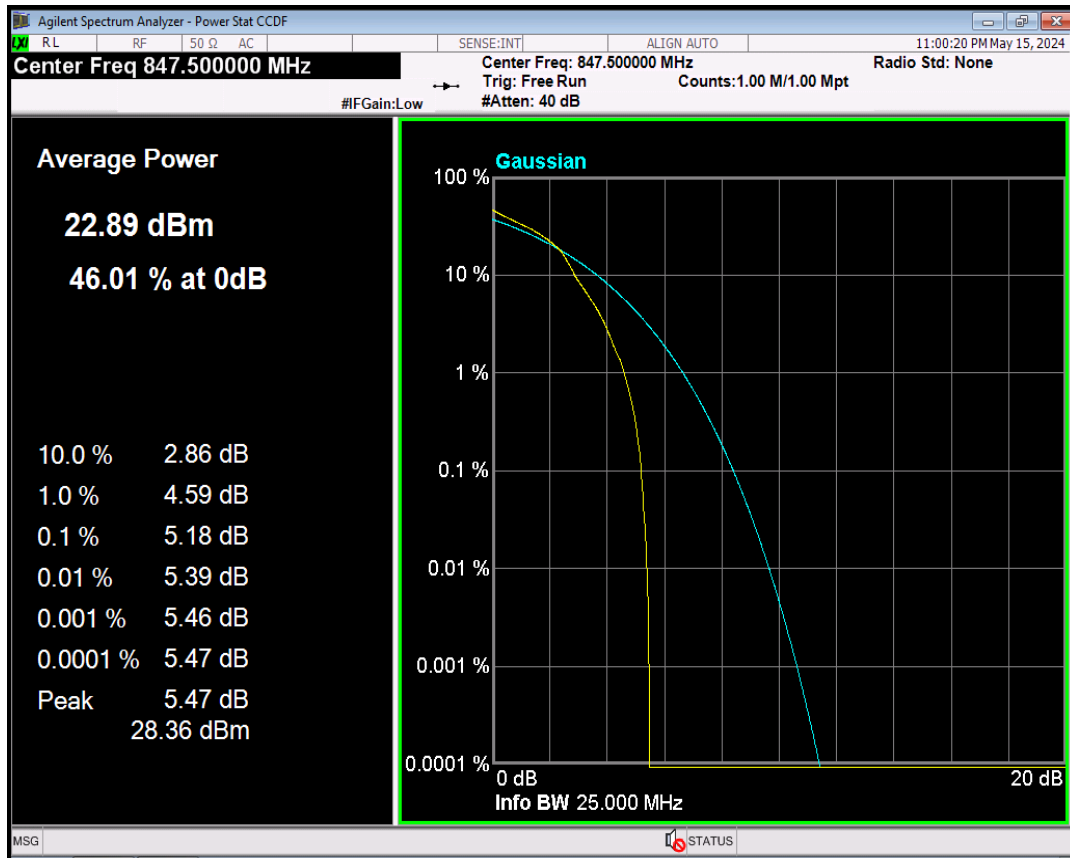
Band5 16QAM BW=3MHz Channel=20525 RB Size=1 Position=#0



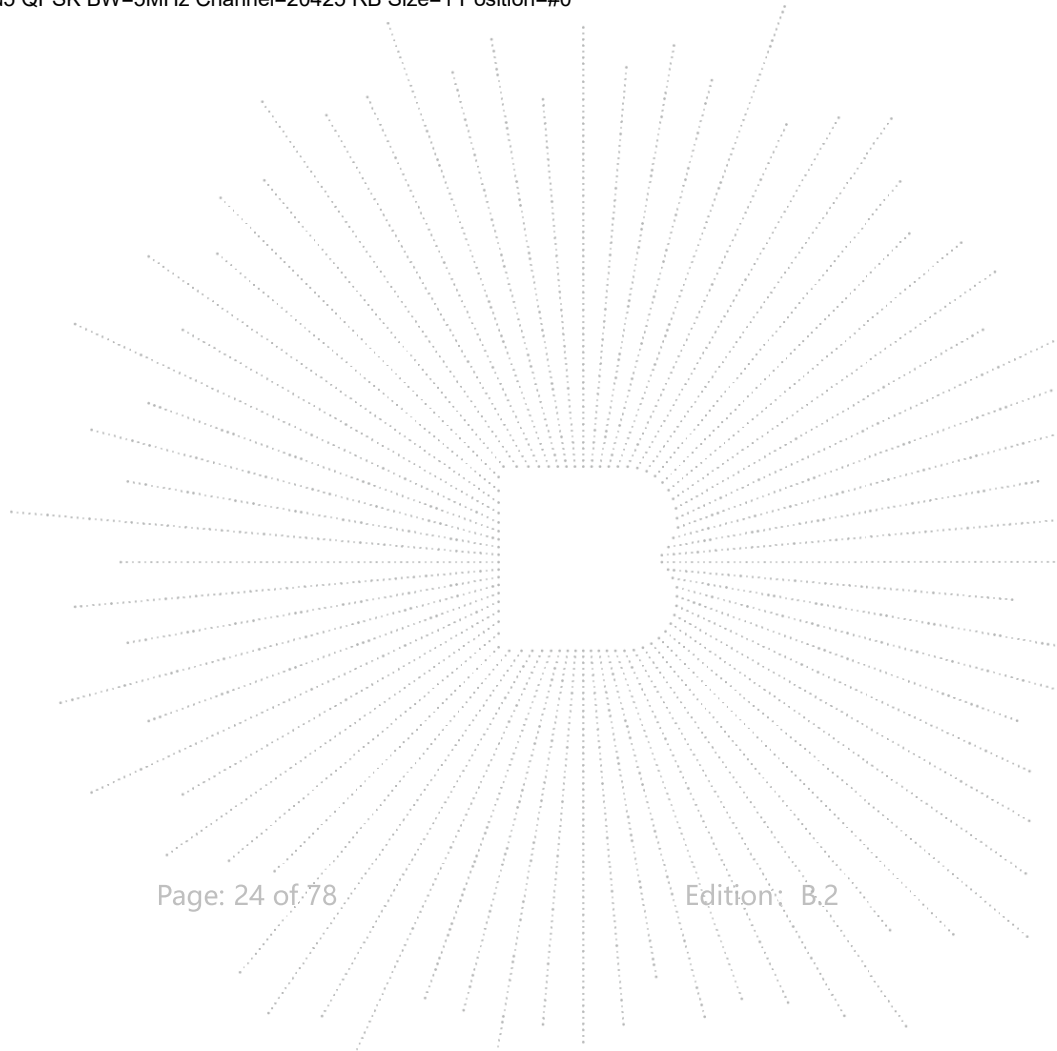
Band5 QPSK BW=3MHz Channel=20635 RB Size=1 Position=#0

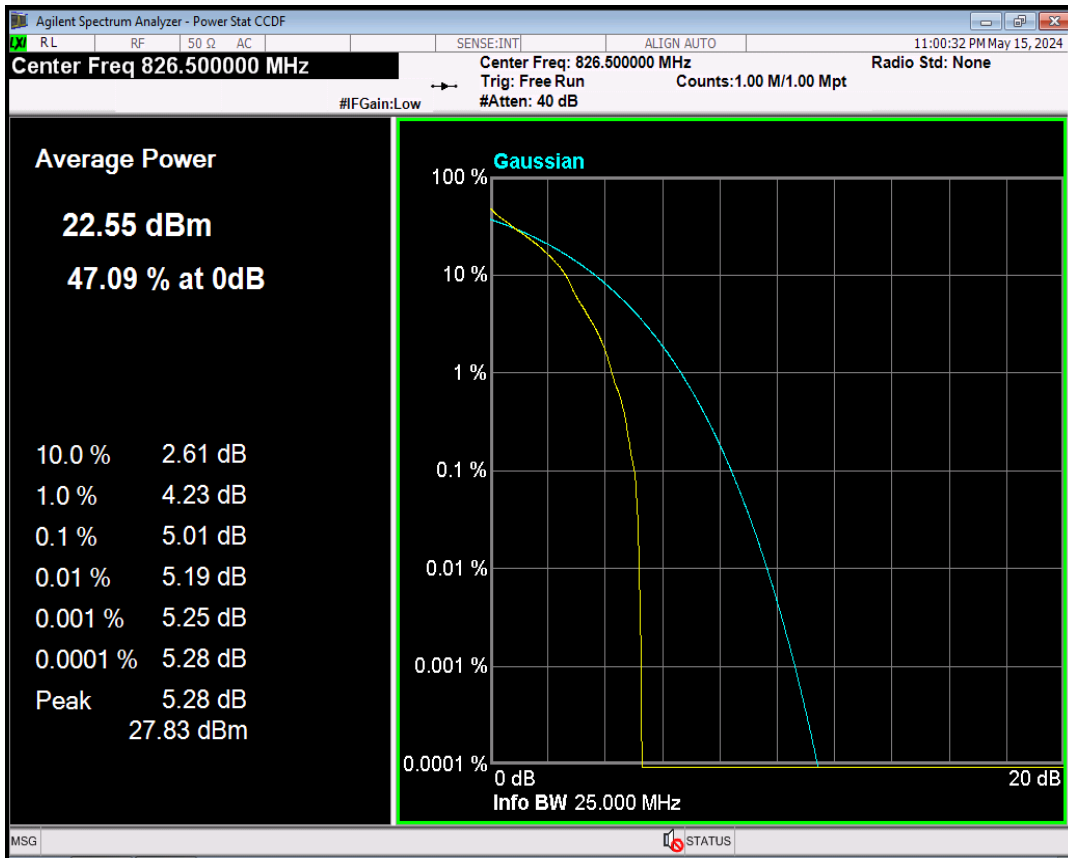


Band5 16QAM BW=3MHz Channel=20635 RB Size=1 Position=#0

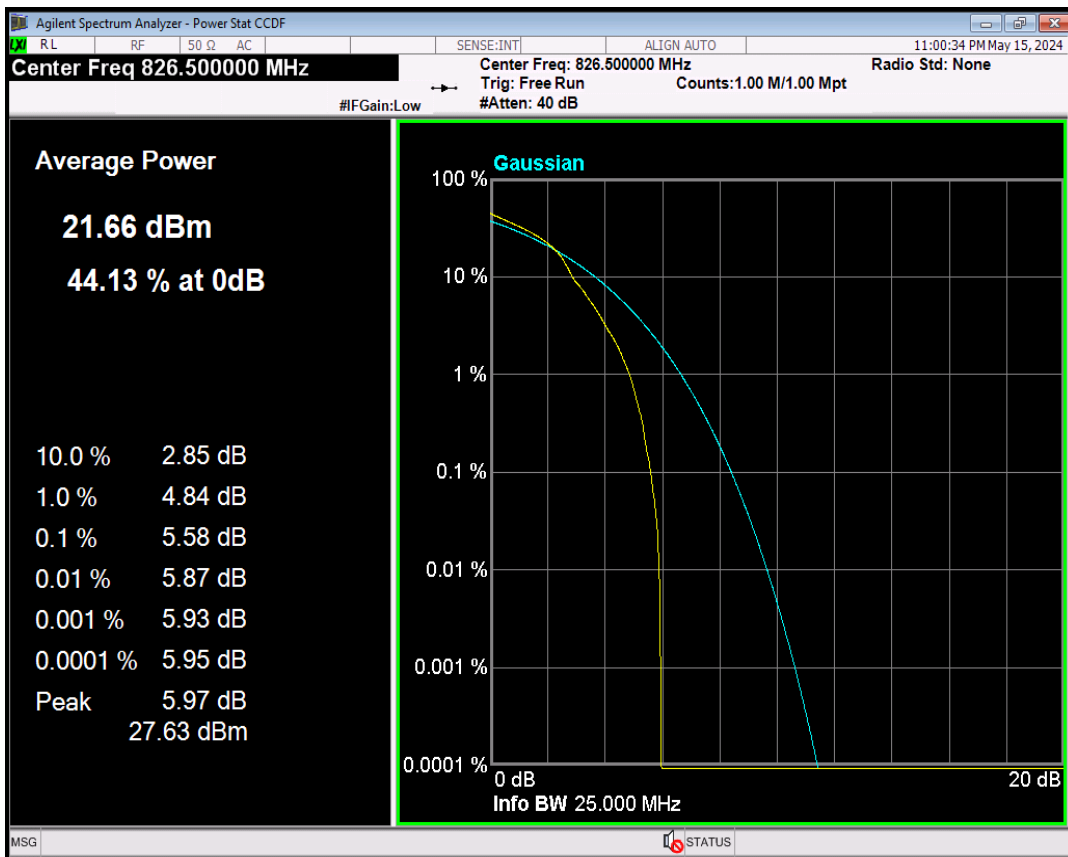


Band5 QPSK BW=5MHz Channel=20425 RB Size=1 Position=#0

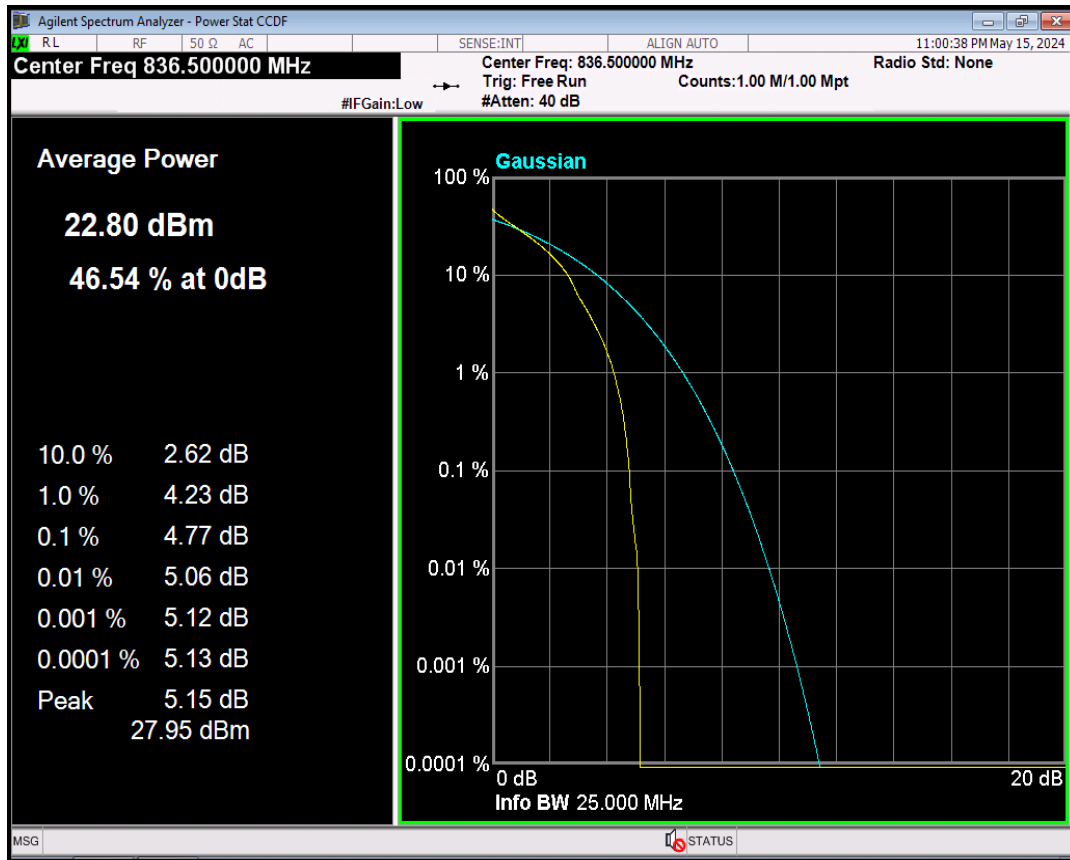




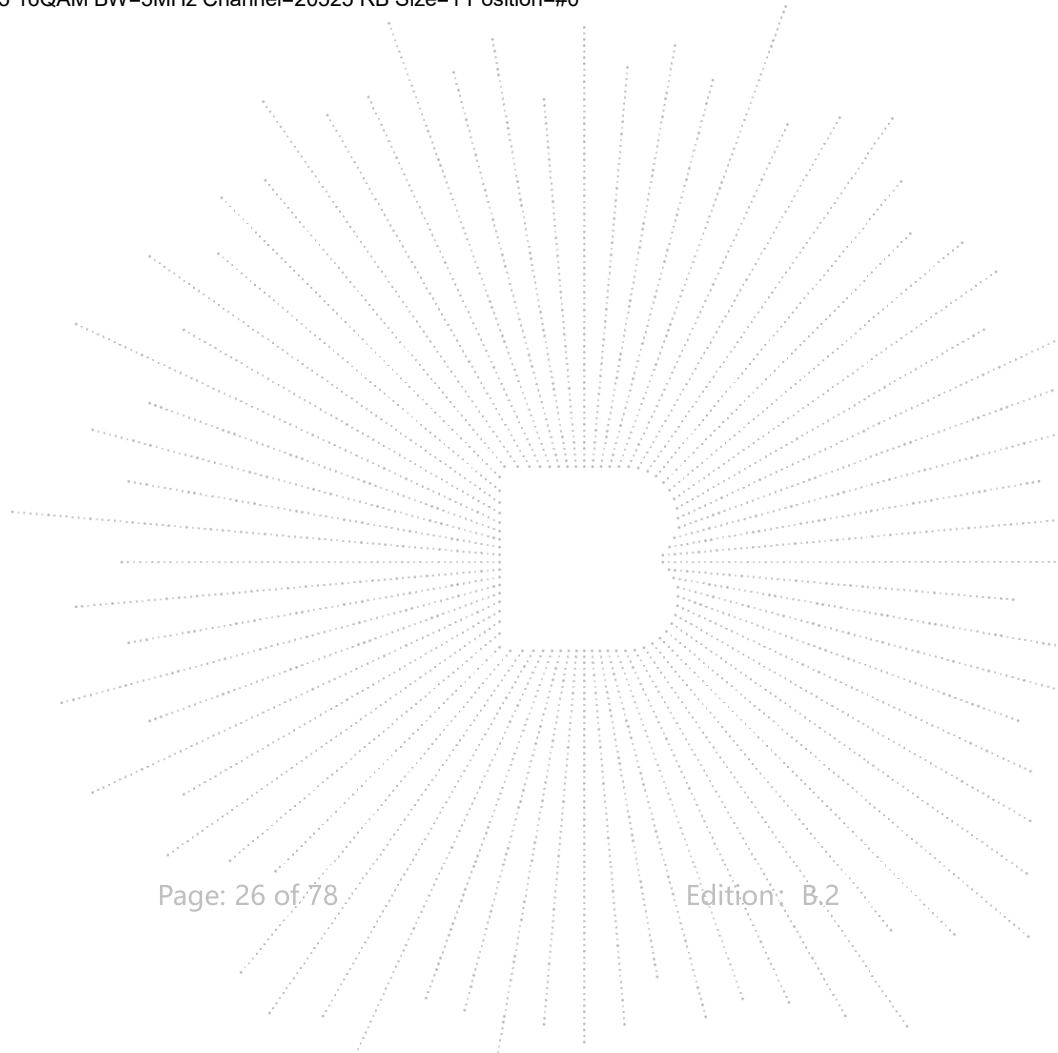
Band5 16QAM BW=5MHz Channel=20425 RB Size=1 Position=#0

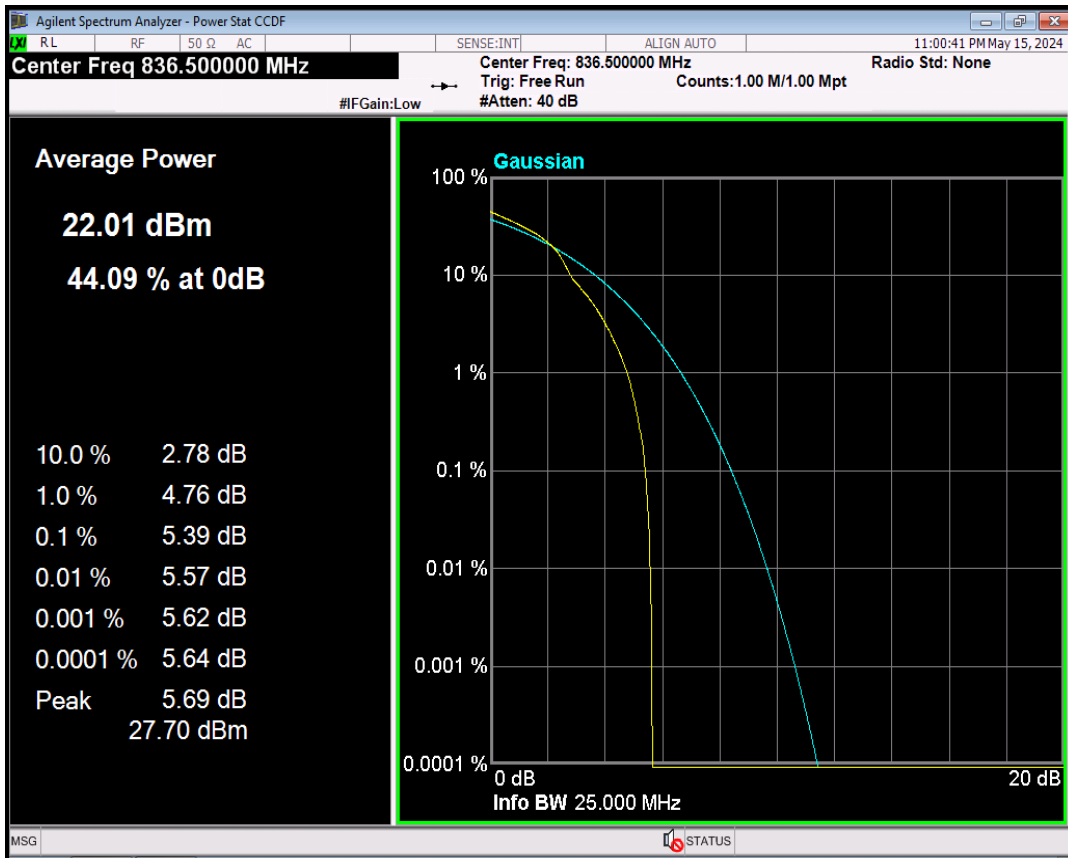


Band5 QPSK BW=5MHz Channel=20525 RB Size=1 Position=#0

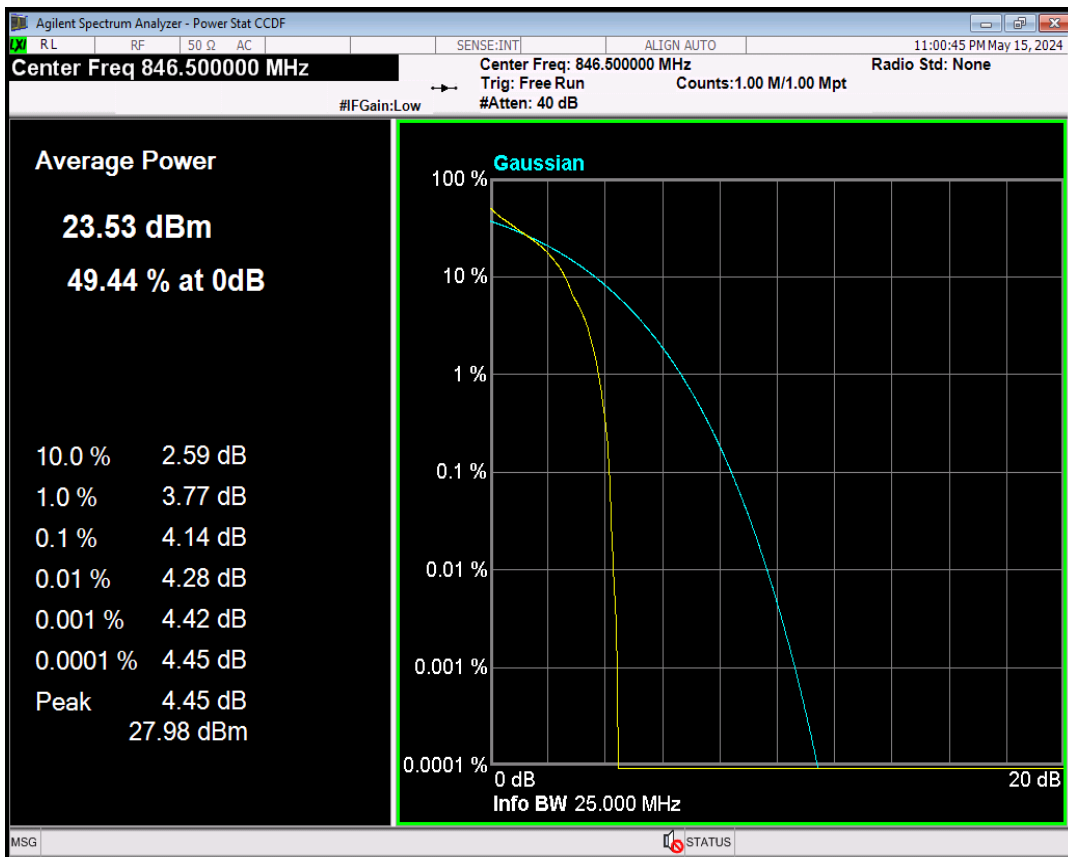


Band5 16QAM BW=5MHz Channel=20525 RB Size=1 Position=#0

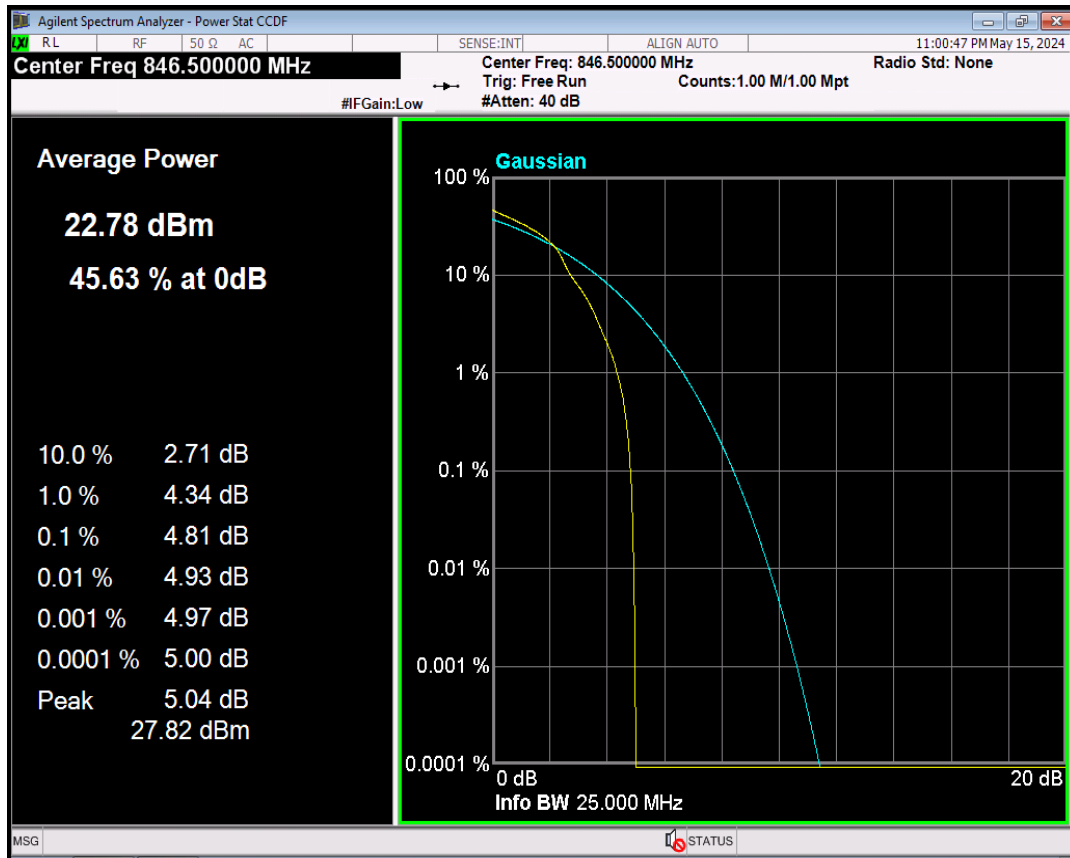




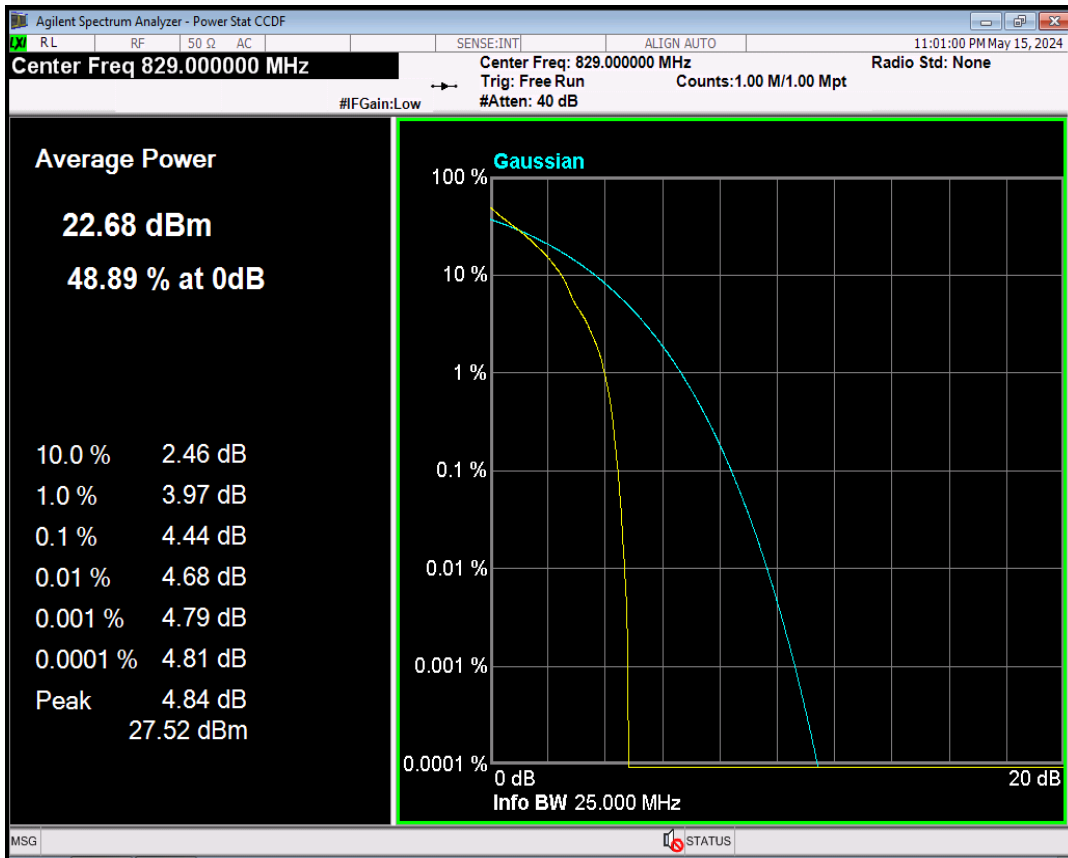
Band5 QPSK BW=5MHz Channel=20625 RB Size=1 Position=#0



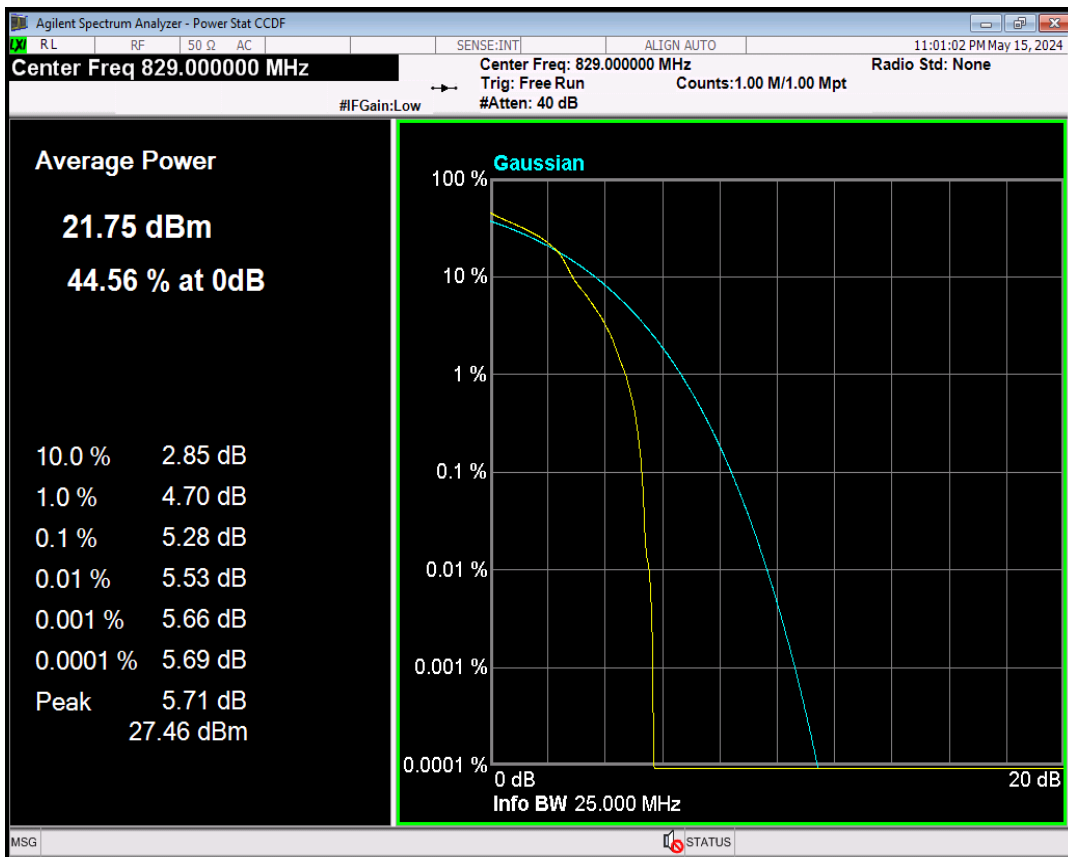
Band5 16QAM BW=5MHz Channel=20625 RB Size=1 Position=#0



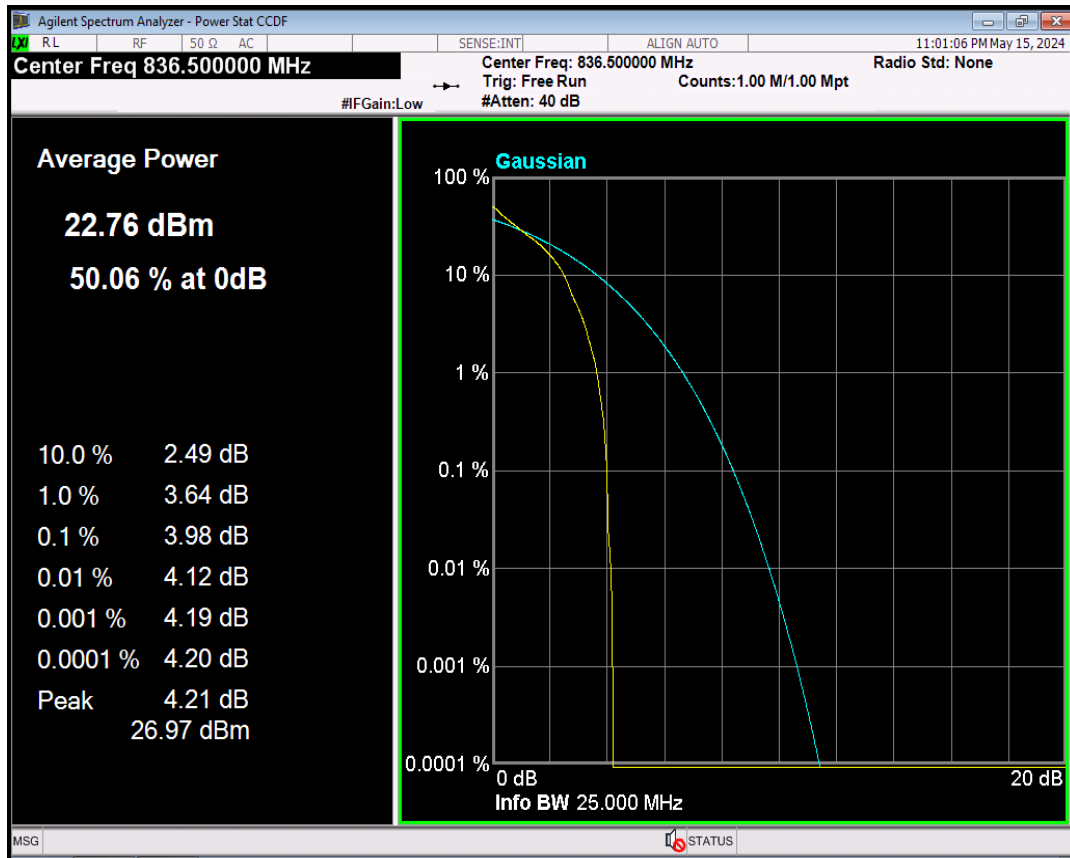
Band5 QPSK BW=10MHz Channel=20450 RB Size=1 Position=#0



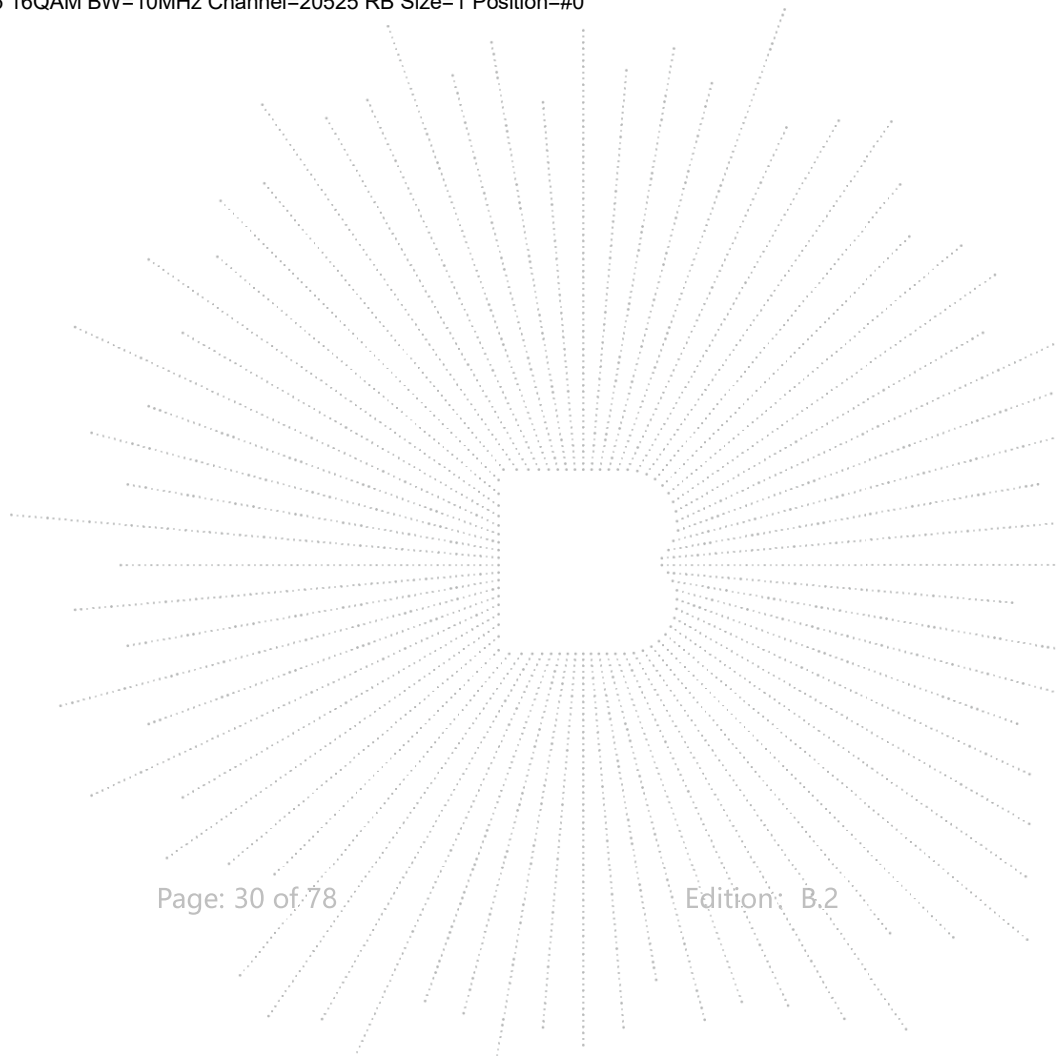
Band5 16QAM BW=10MHz Channel=20450 RB Size=1 Position=#0

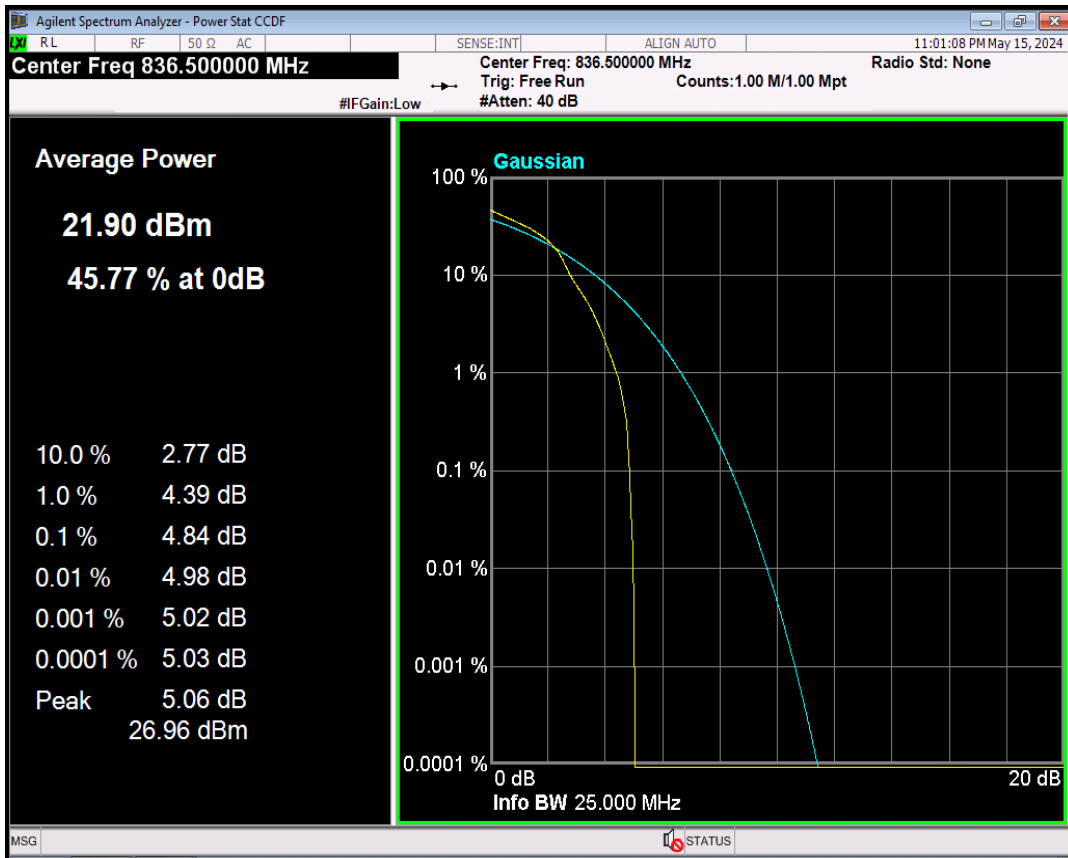


Band5 QPSK BW=10MHz Channel=20525 RB Size=1 Position=#0

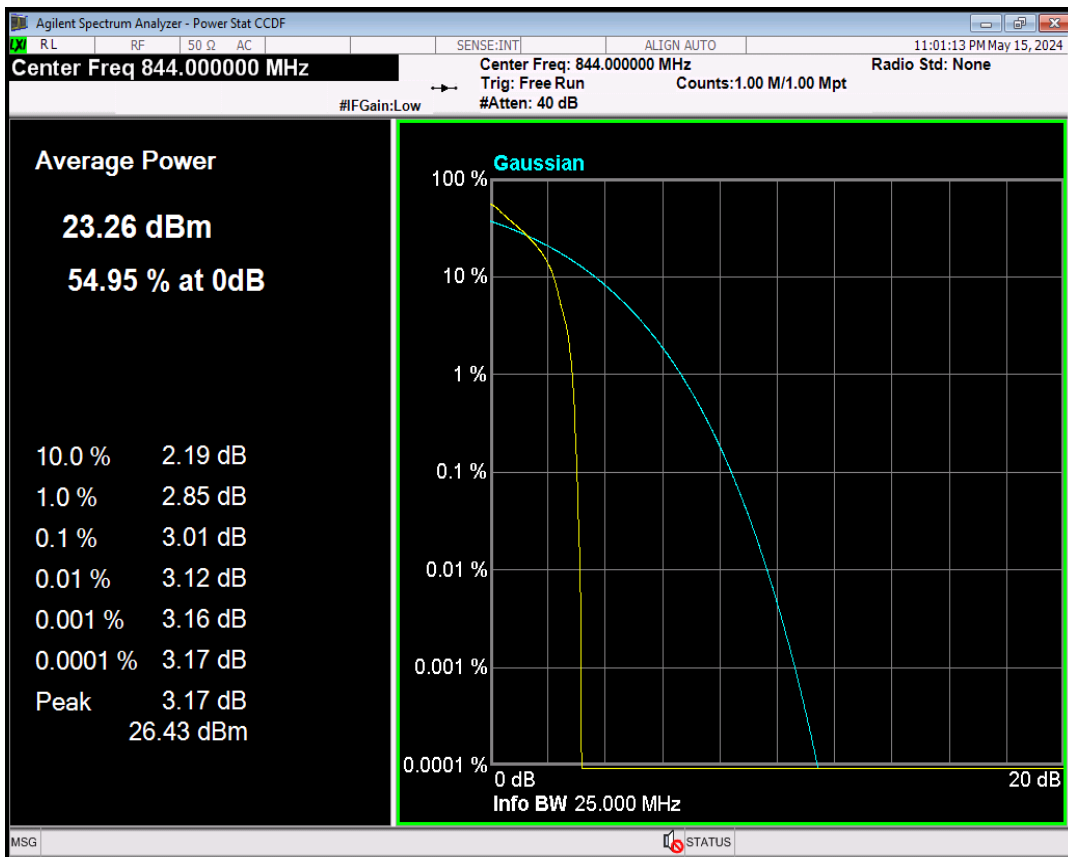


Band5 16QAM BW=10MHz Channel=20525 RB Size=1 Position=#0

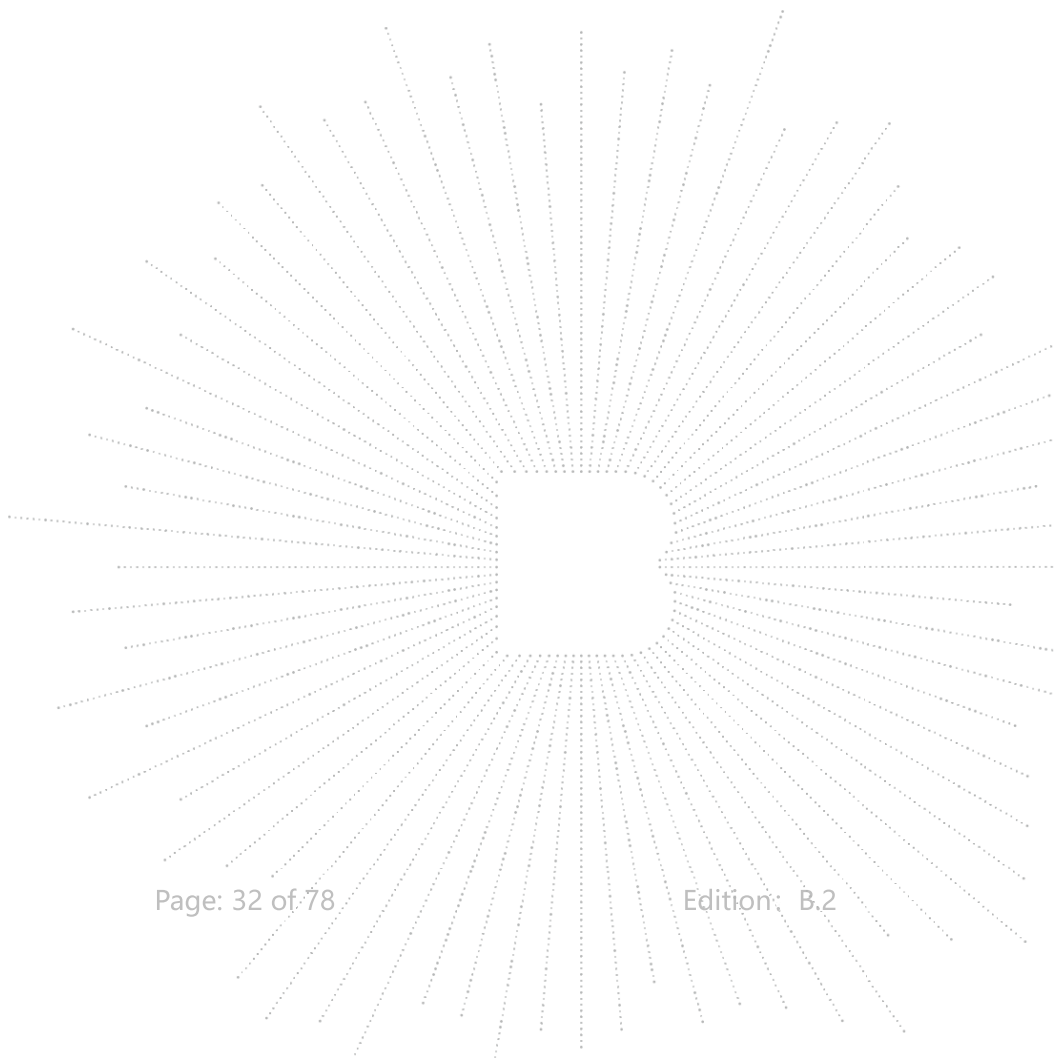
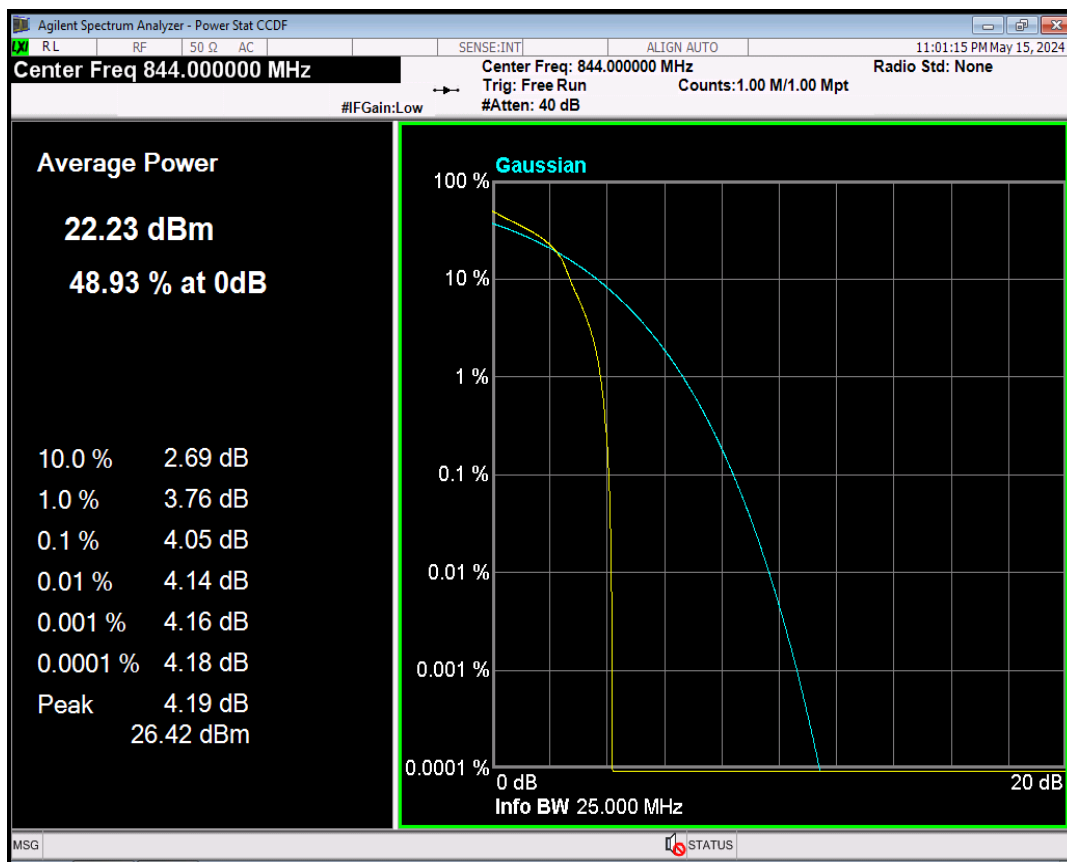




Band5 QPSK BW=10MHz Channel=20600 RB Size=1 Position=#0



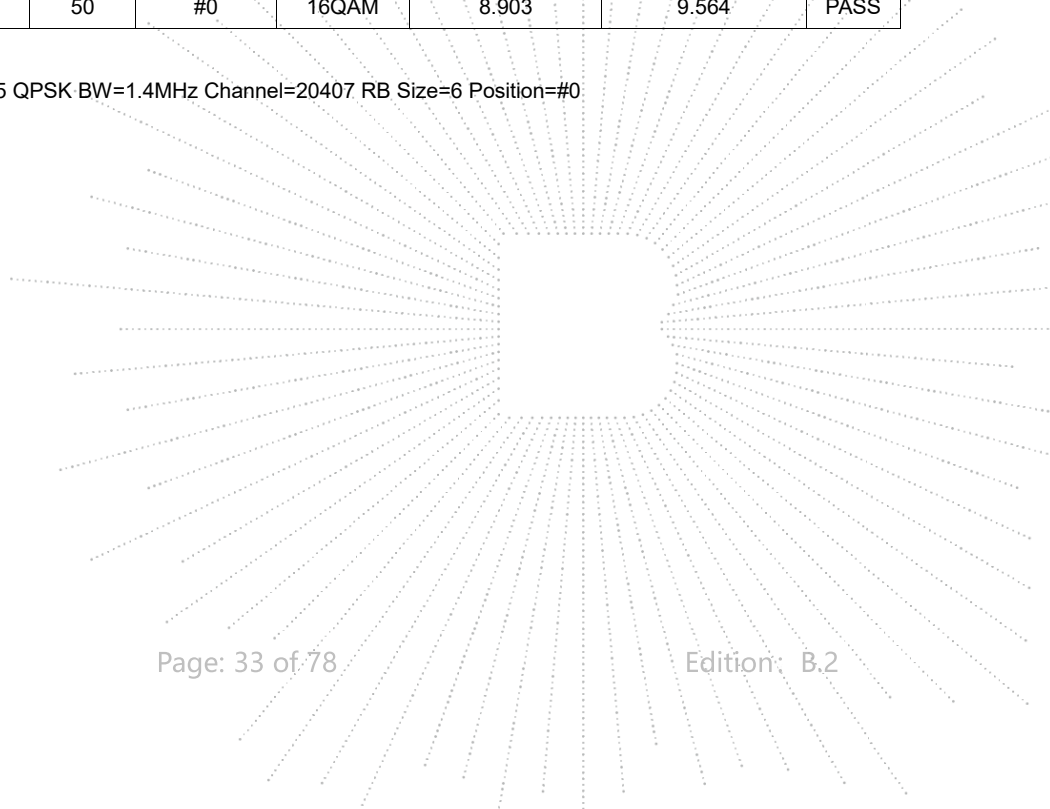
Band5 16QAM BW=10MHz Channel=20600 RB Size=1 Position=#0

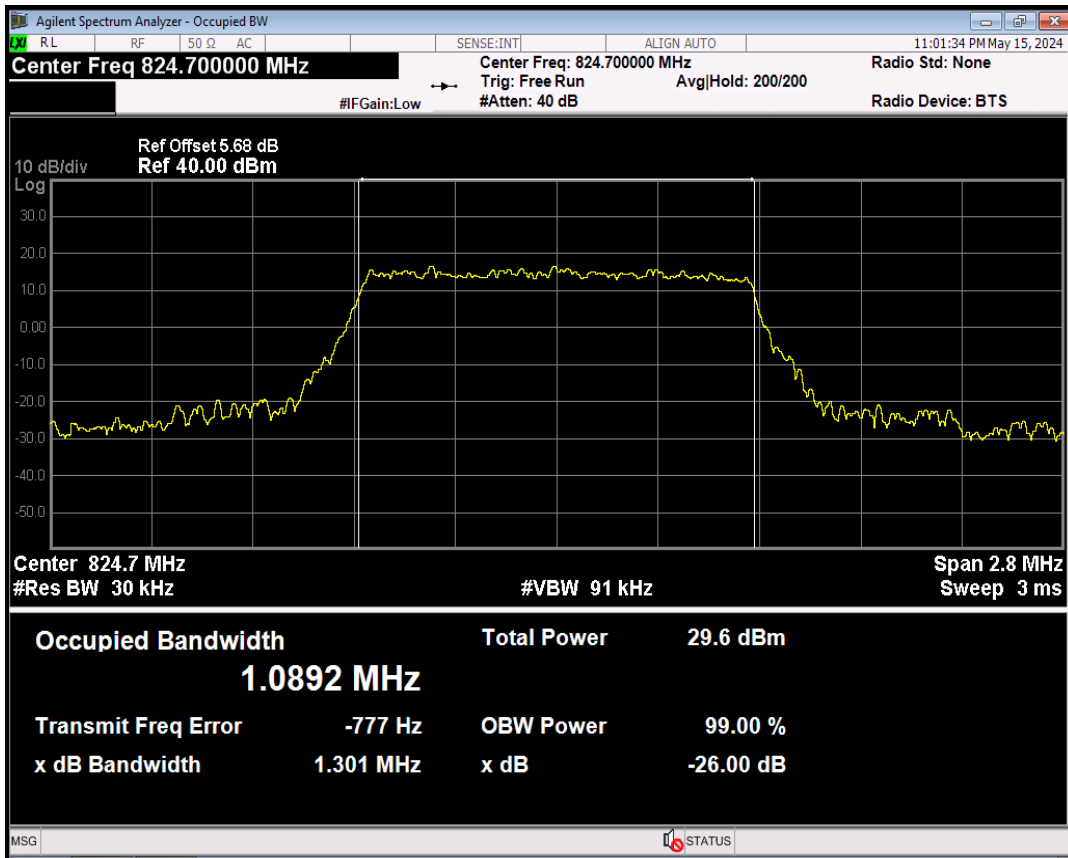


## Appendix 4. Occupied bandwidth

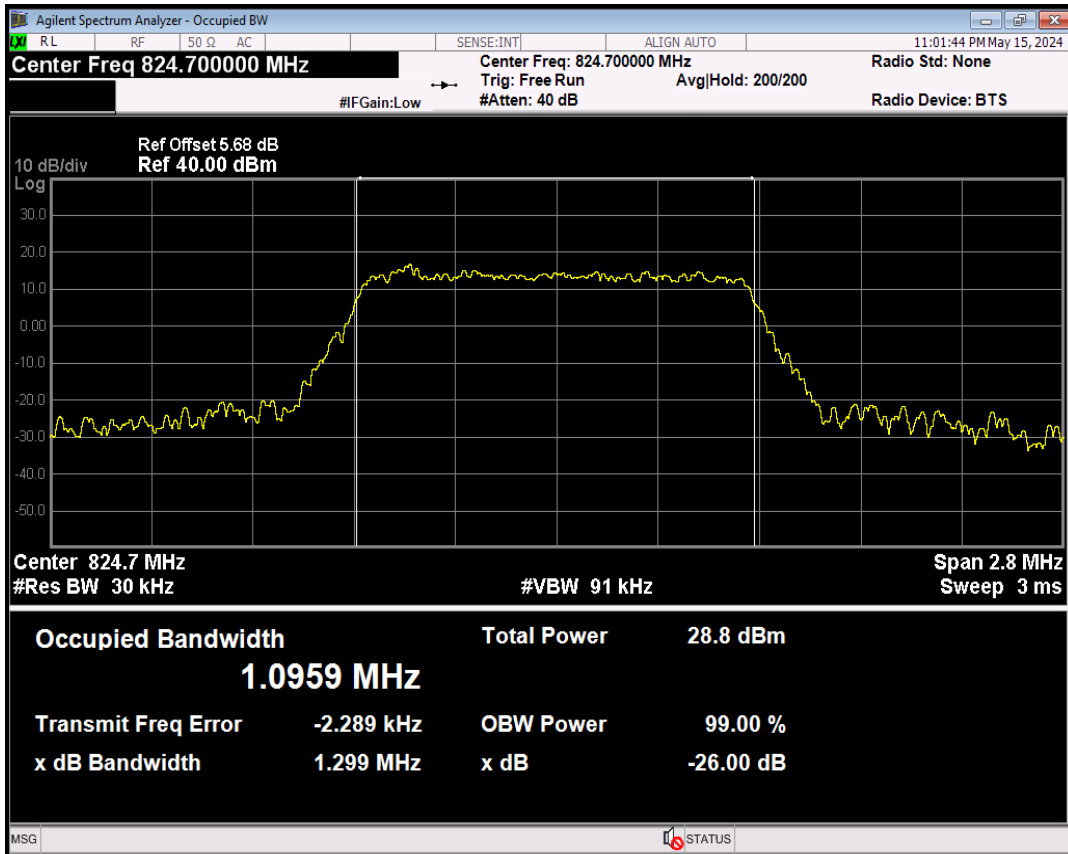
| Band  | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | 99% OBW (MHz) | -26dB EBW (MHz) | Verdict |
|-------|-----------------|------------|---------|-------------|------------|---------------|-----------------|---------|
| Band5 | 1.4             | 20407      | 6       | #0          | QPSK       | 1.089         | 1.301           | PASS    |
| Band5 | 1.4             | 20407      | 6       | #0          | 16QAM      | 1.096         | 1.299           | PASS    |
| Band5 | 1.4             | 20525      | 6       | #0          | QPSK       | 1.096         | 1.286           | PASS    |
| Band5 | 1.4             | 20525      | 6       | #0          | 16QAM      | 1.086         | 1.269           | PASS    |
| Band5 | 1.4             | 20643      | 6       | #0          | QPSK       | 1.123         | 2.008           | PASS    |
| Band5 | 1.4             | 20643      | 6       | #0          | 16QAM      | 1.108         | 1.704           | PASS    |
| Band5 | 3               | 20415      | 15      | #0          | QPSK       | 2.695         | 2.926           | PASS    |
| Band5 | 3               | 20415      | 15      | #0          | 16QAM      | 2.687         | 2.927           | PASS    |
| Band5 | 3               | 20525      | 15      | #0          | QPSK       | 2.686         | 2.899           | PASS    |
| Band5 | 3               | 20525      | 15      | #0          | 16QAM      | 2.683         | 2.912           | PASS    |
| Band5 | 3               | 20635      | 15      | #0          | QPSK       | 2.705         | 2.928           | PASS    |
| Band5 | 3               | 20635      | 15      | #0          | 16QAM      | 2.692         | 2.924           | PASS    |
| Band5 | 5               | 20425      | 25      | #0          | QPSK       | 4.517         | 4.898           | PASS    |
| Band5 | 5               | 20425      | 25      | #0          | 16QAM      | 4.512         | 4.865           | PASS    |
| Band5 | 5               | 20525      | 25      | #0          | QPSK       | 4.502         | 4.938           | PASS    |
| Band5 | 5               | 20525      | 25      | #0          | 16QAM      | 4.507         | 4.838           | PASS    |
| Band5 | 5               | 20625      | 25      | #0          | QPSK       | 4.495         | 4.871           | PASS    |
| Band5 | 5               | 20625      | 25      | #0          | 16QAM      | 4.499         | 4.895           | PASS    |
| Band5 | 10              | 20450      | 50      | #0          | QPSK       | 9.020         | 9.734           | PASS    |
| Band5 | 10              | 20450      | 50      | #0          | 16QAM      | 9.032         | 9.667           | PASS    |
| Band5 | 10              | 20525      | 50      | #0          | QPSK       | 8.971         | 9.592           | PASS    |
| Band5 | 10              | 20525      | 50      | #0          | 16QAM      | 8.976         | 9.610           | PASS    |
| Band5 | 10              | 20600      | 50      | #0          | QPSK       | 8.940         | 9.630           | PASS    |
| Band5 | 10              | 20600      | 50      | #0          | 16QAM      | 8.903         | 9.564           | PASS    |

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



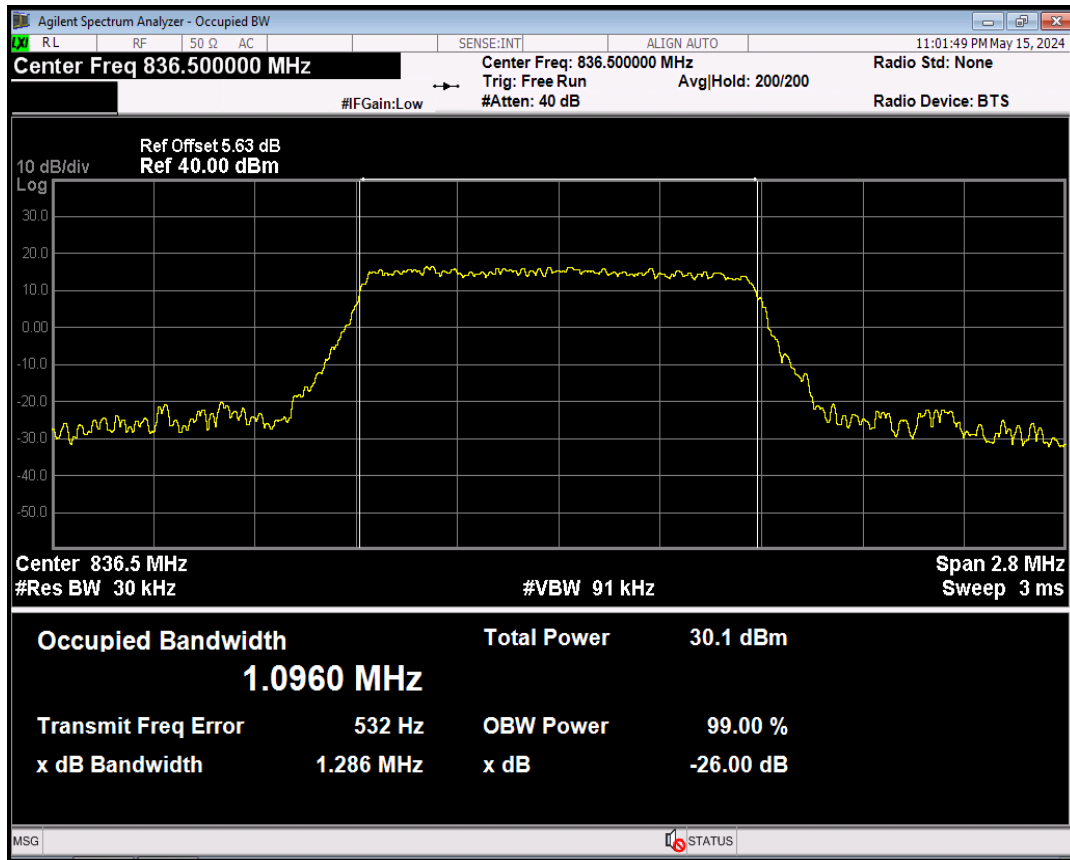


Band5 16QAM BW=1.4MHz Channel=20407 RB Size=6 Position=#0

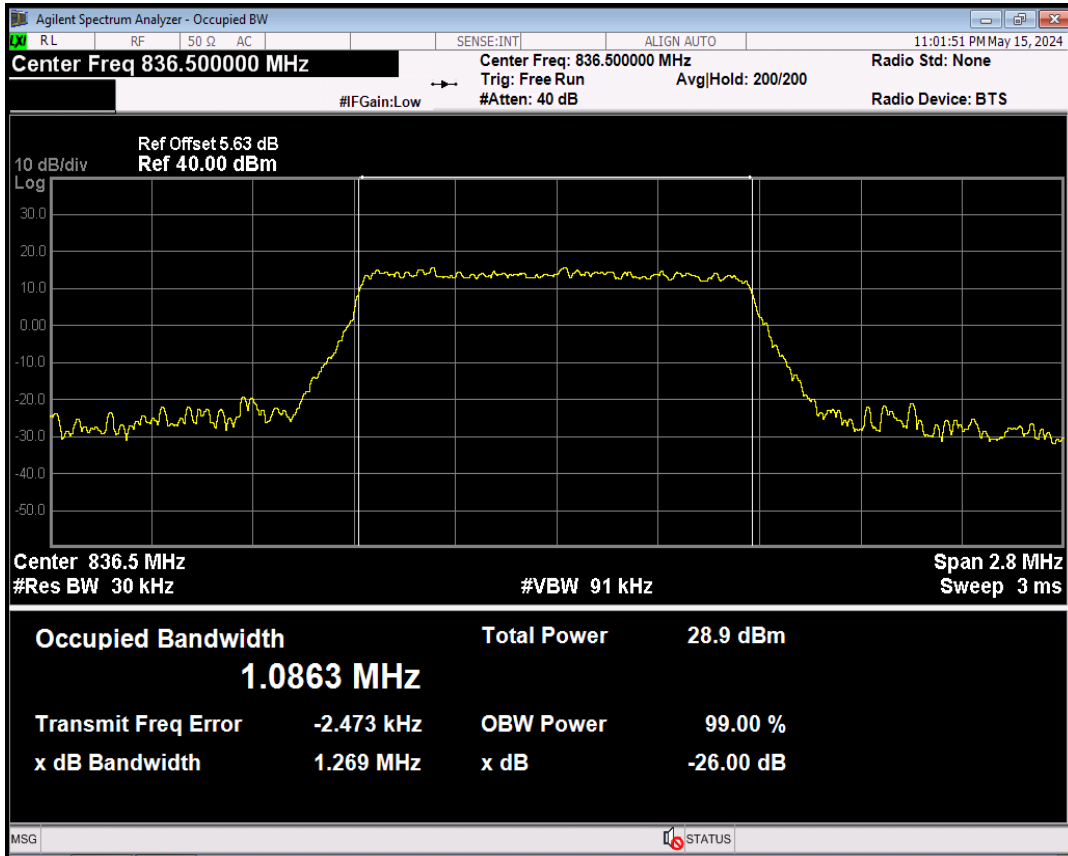




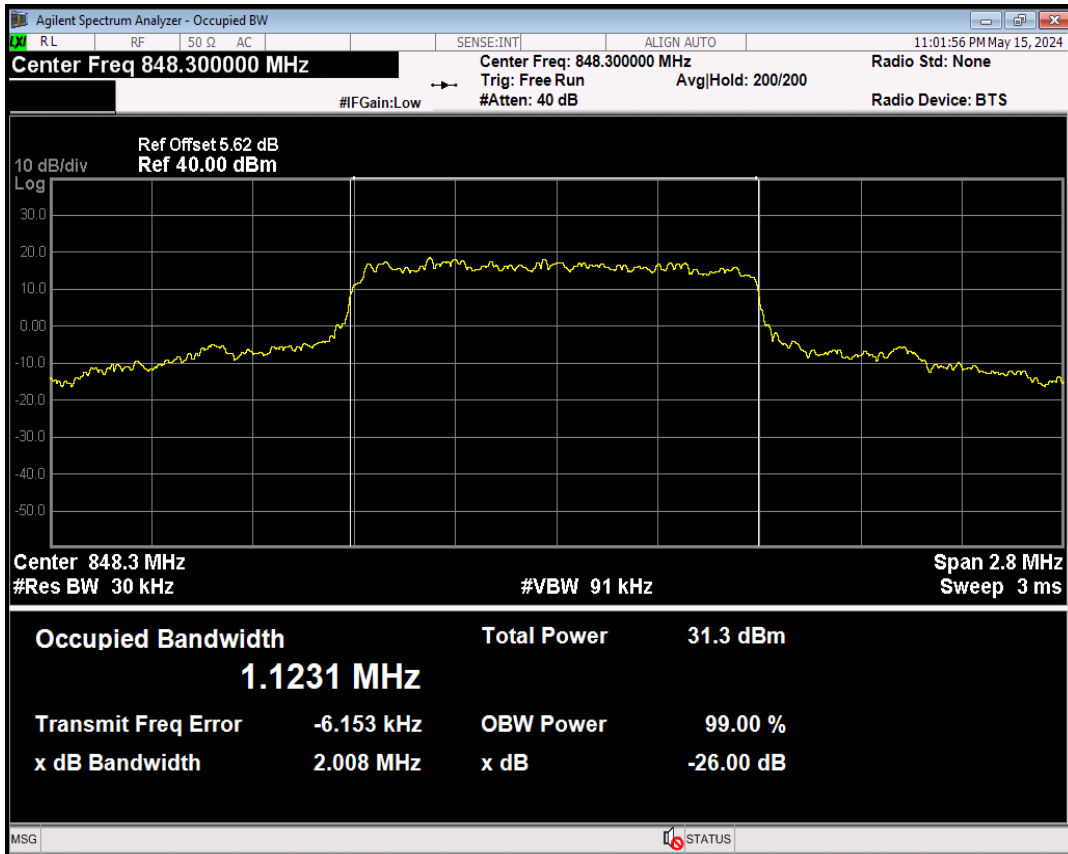
Band5 QPSK BW=1.4MHz Channel=20525 RB Size=6 Position=#0



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

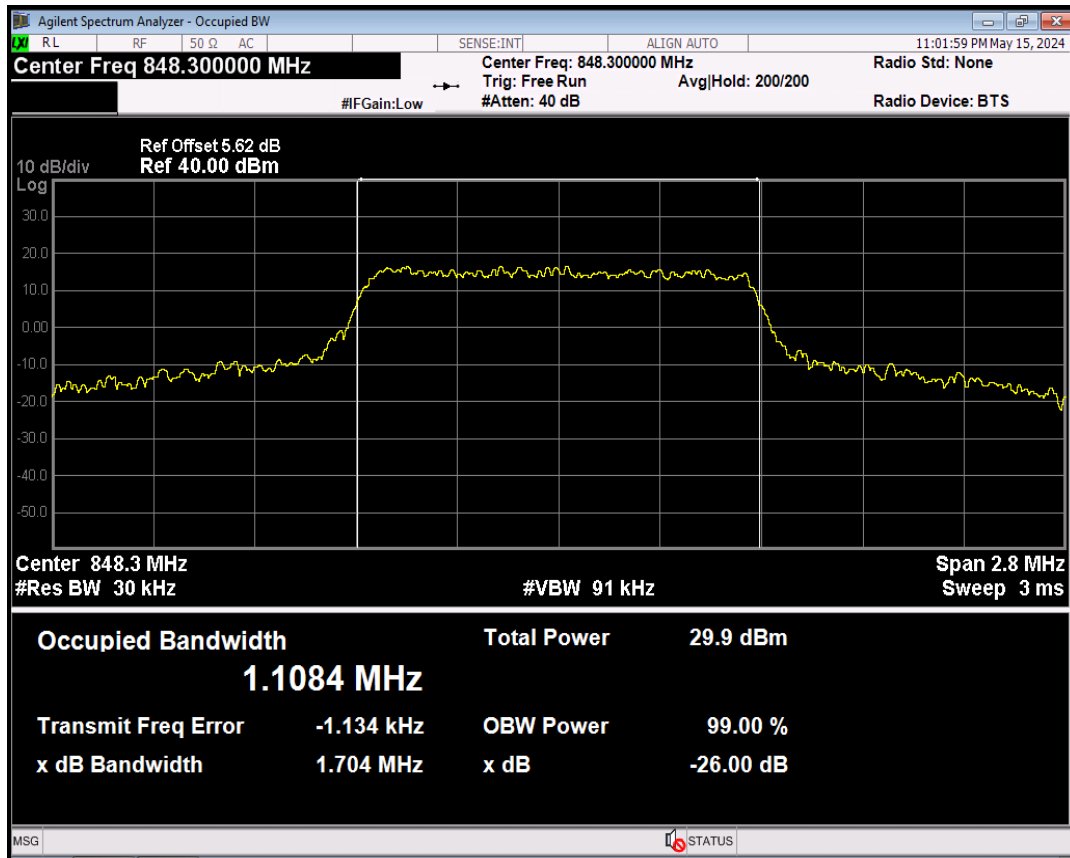


Band5 QPSK BW=1.4MHz Channel=20643 RB Size=6 Position=#0

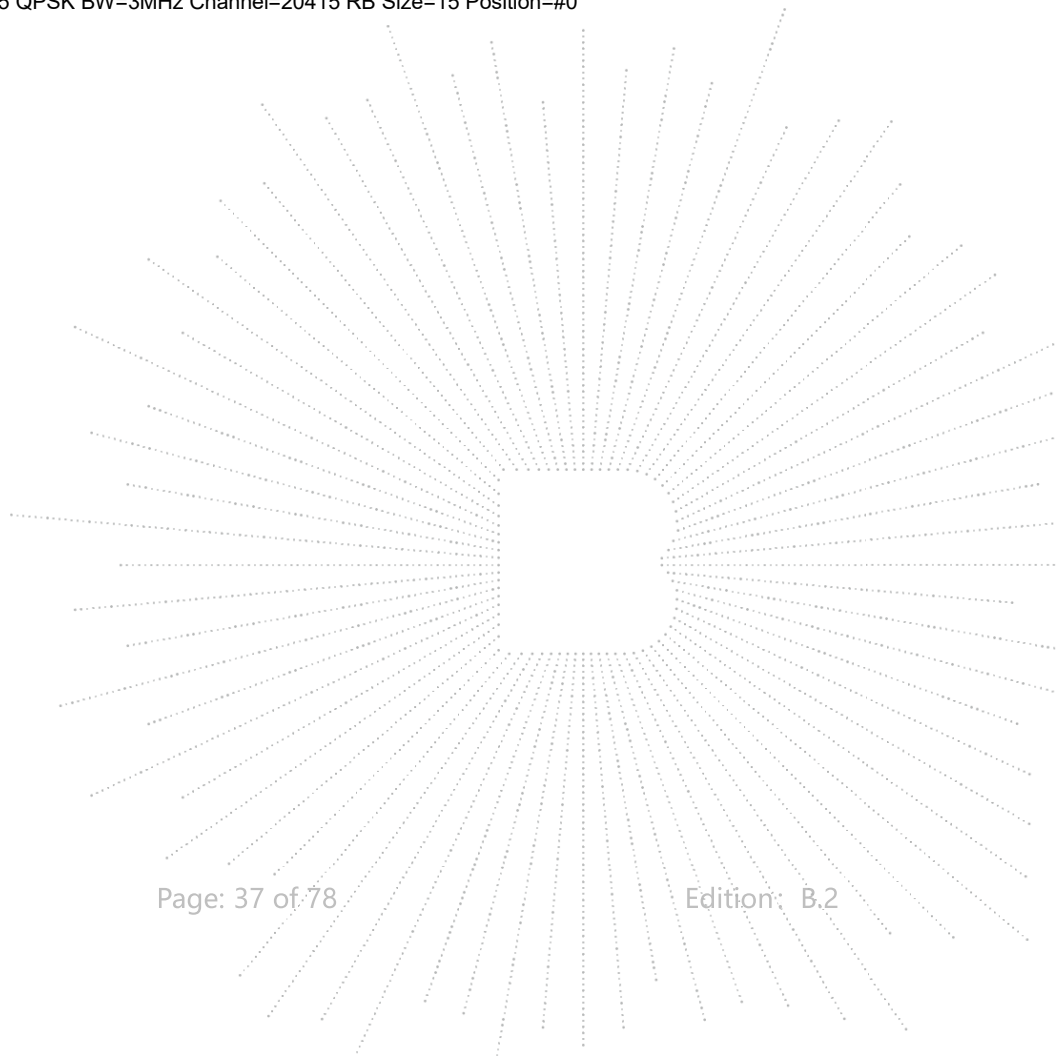


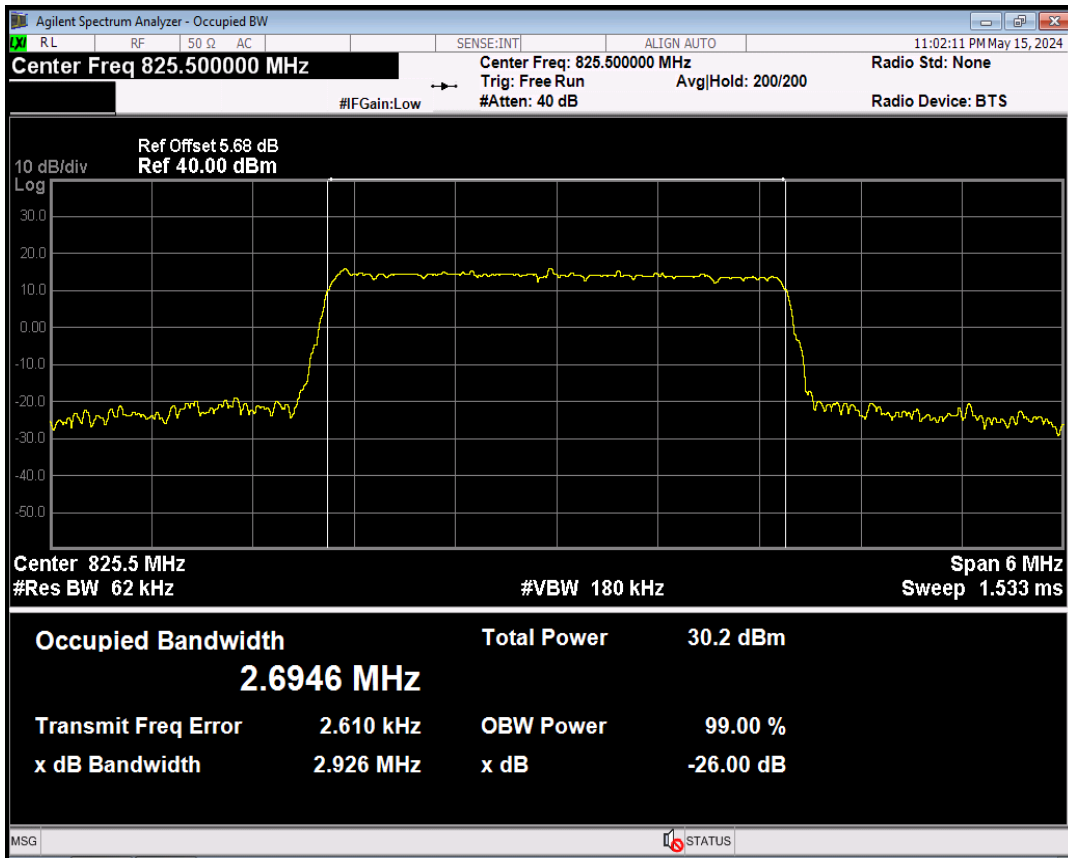


Band5 16QAM BW=1.4MHz Channel=20643 RB Size=6 Position=#0

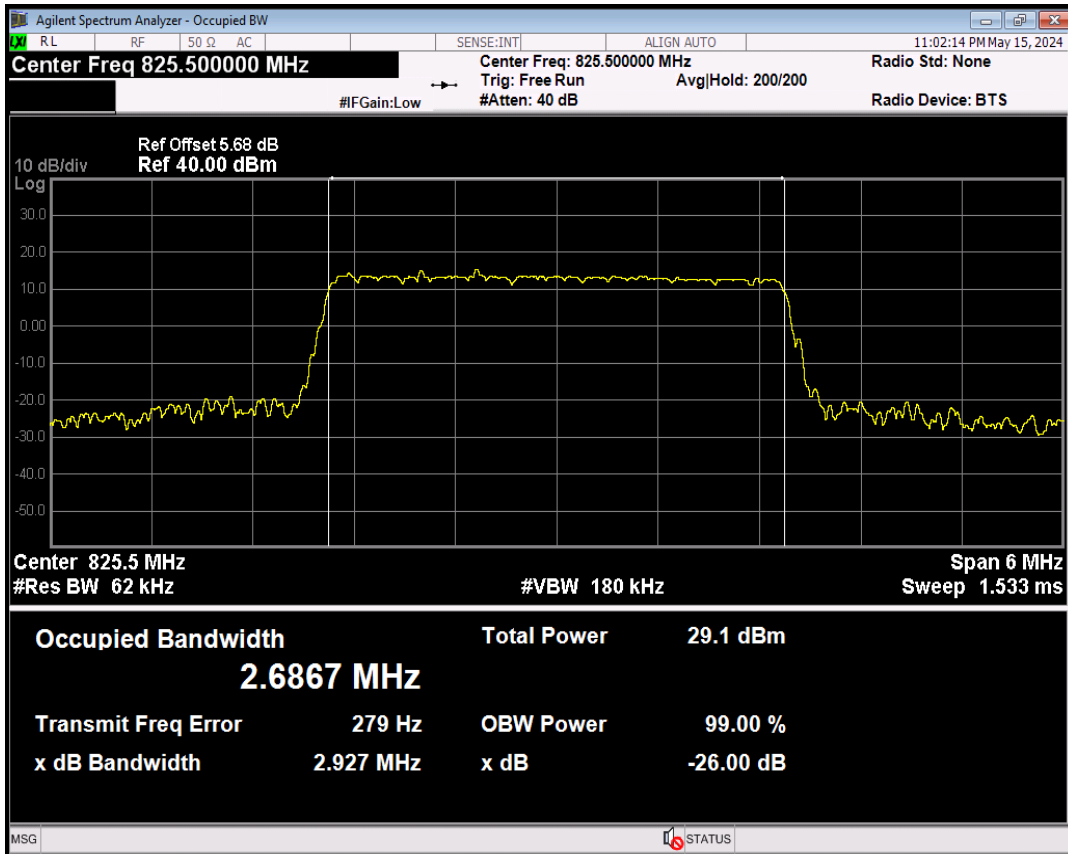


Band5 QPSK BW=3MHz Channel=20415 RB Size=15 Position=#0

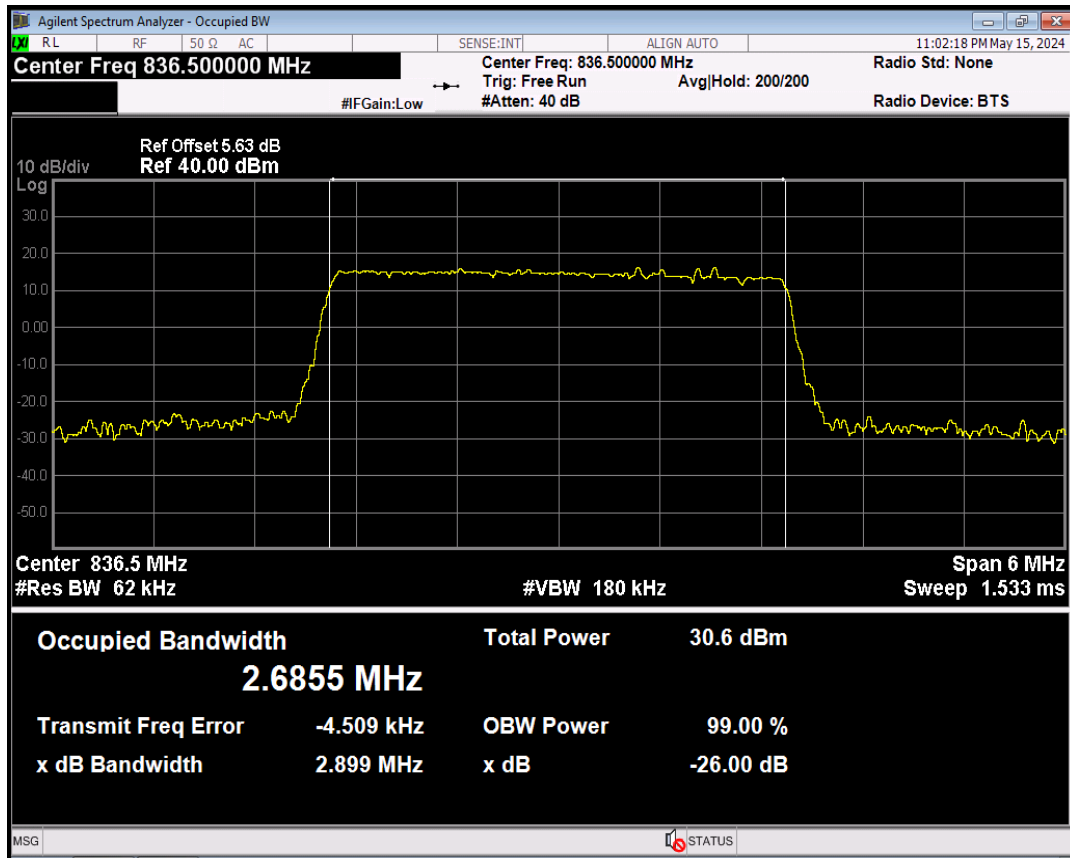




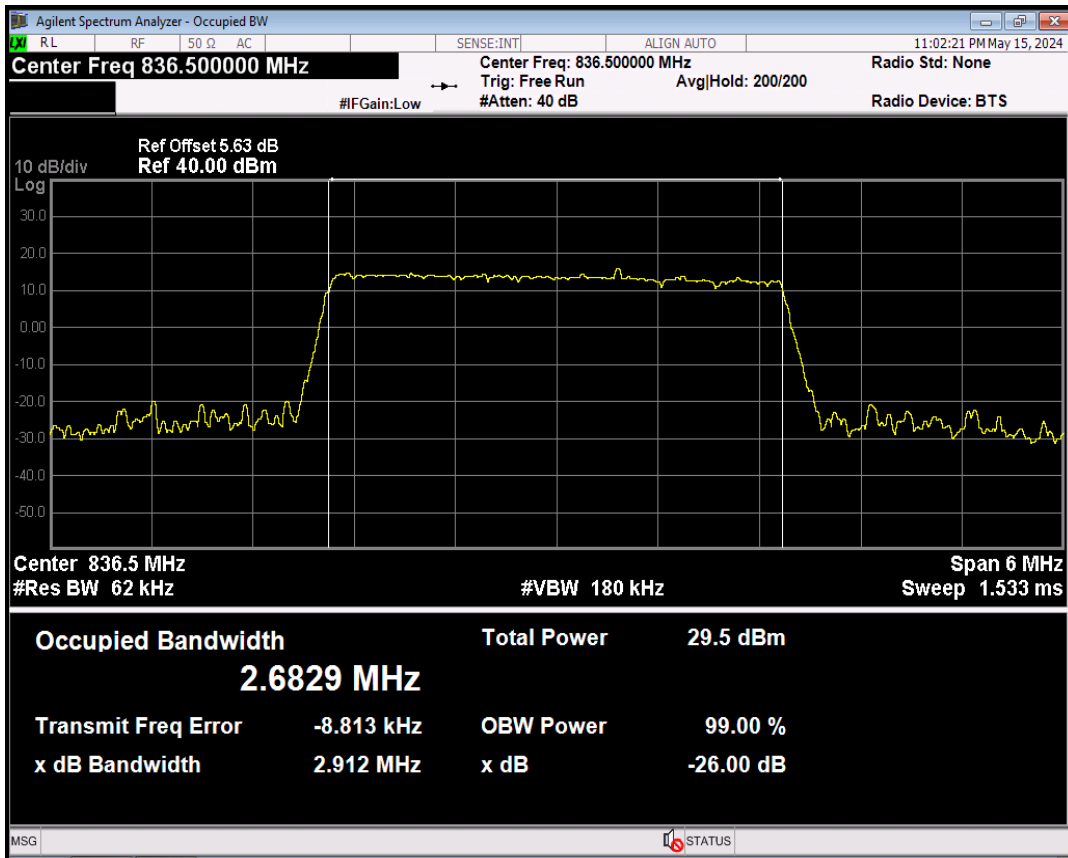
Band5 16QAM BW=3MHz Channel=20415 RB Size=15 Position=#0



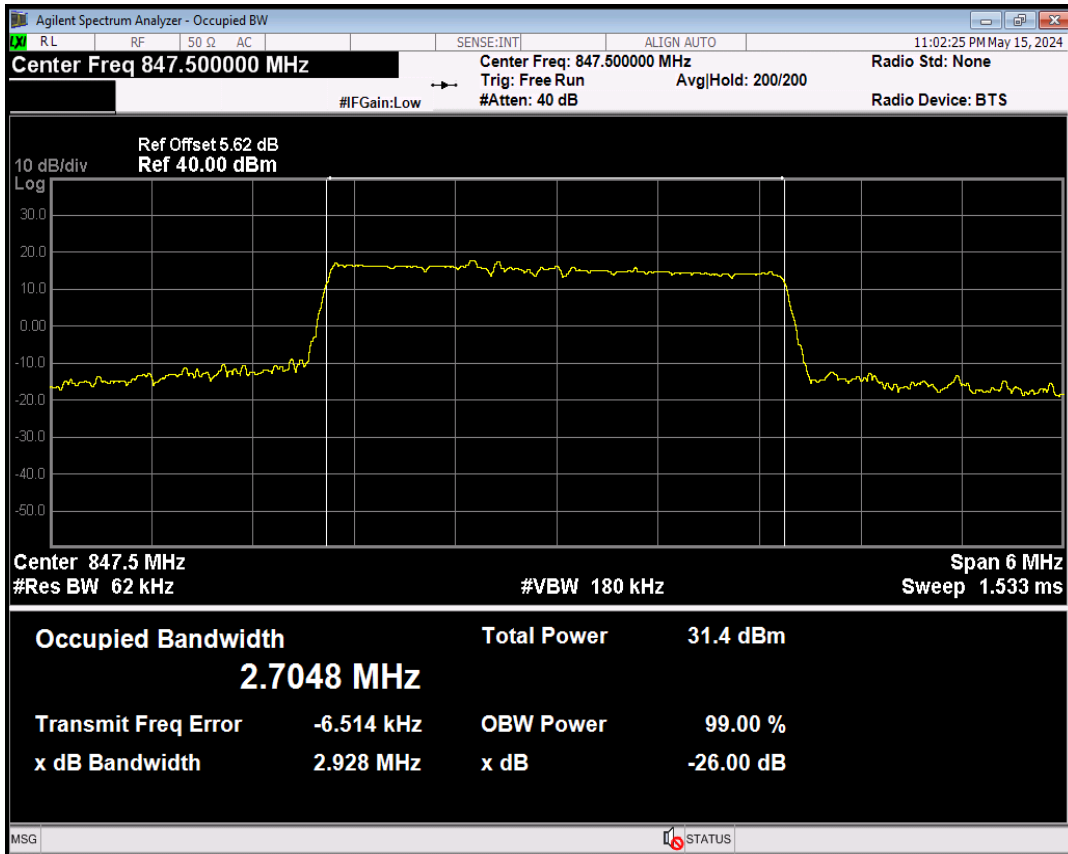
Band5 QPSK BW=3MHz Channel=20525 RB Size=15 Position=#0



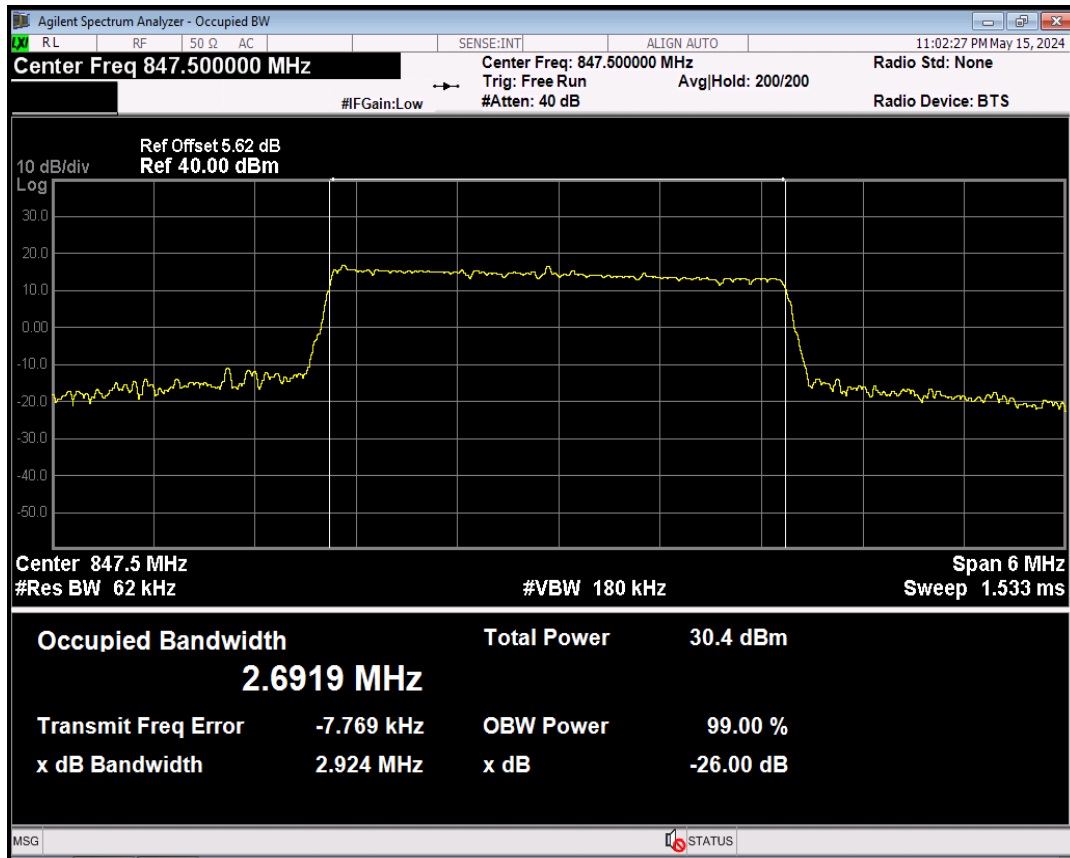
Band5 16QAM BW=3MHz Channel=20525 RB Size=15 Position=#0



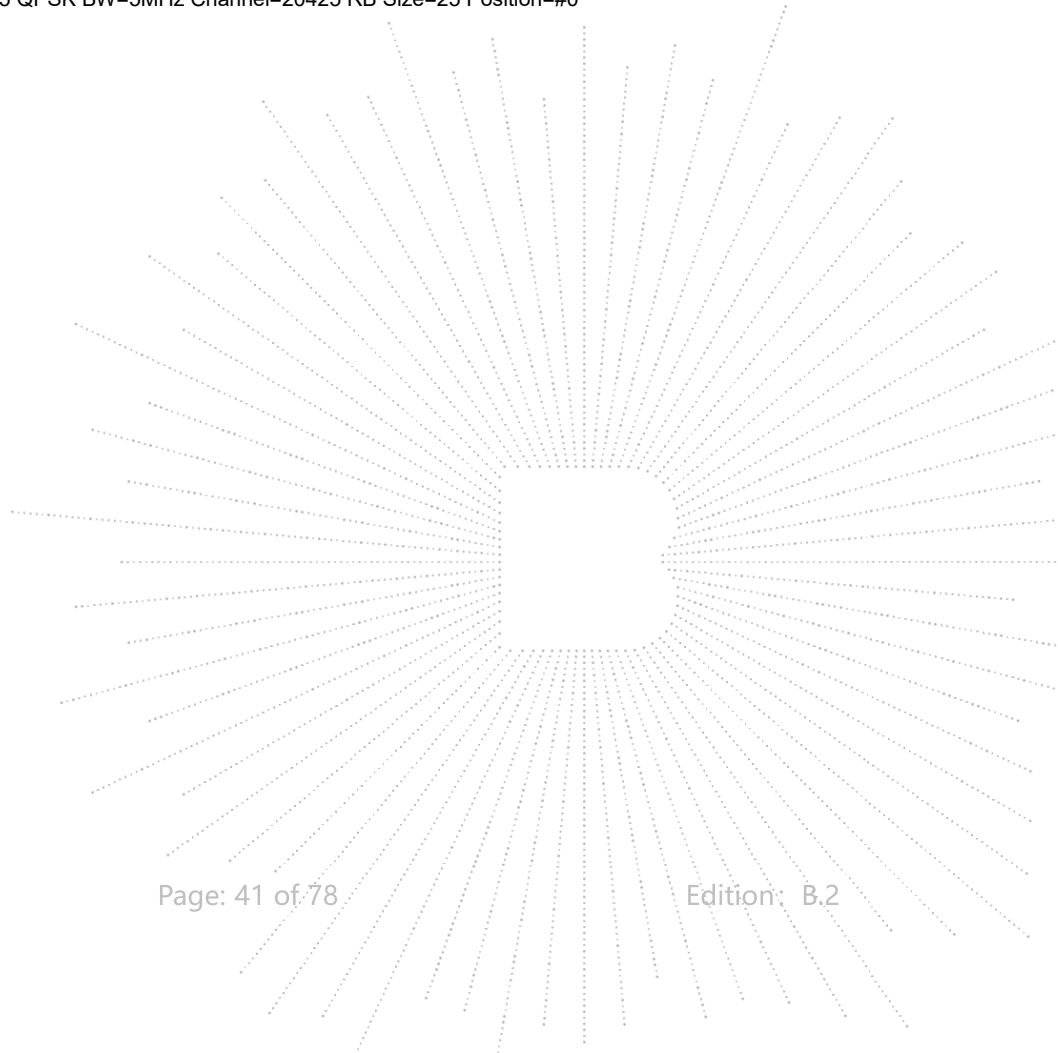
Band5 QPSK BW=3MHz Channel=20635 RB Size=15 Position=#0

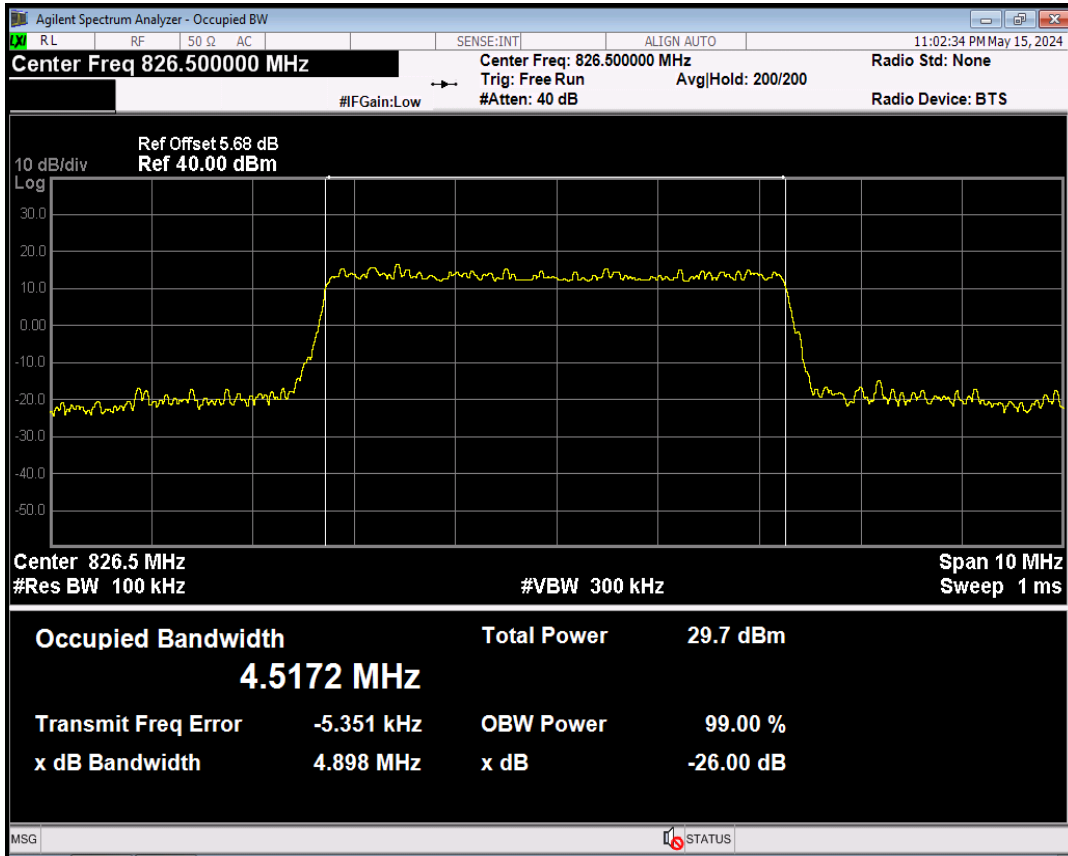


Band5 16QAM BW=3MHz Channel=20635 RB Size=15 Position=#0

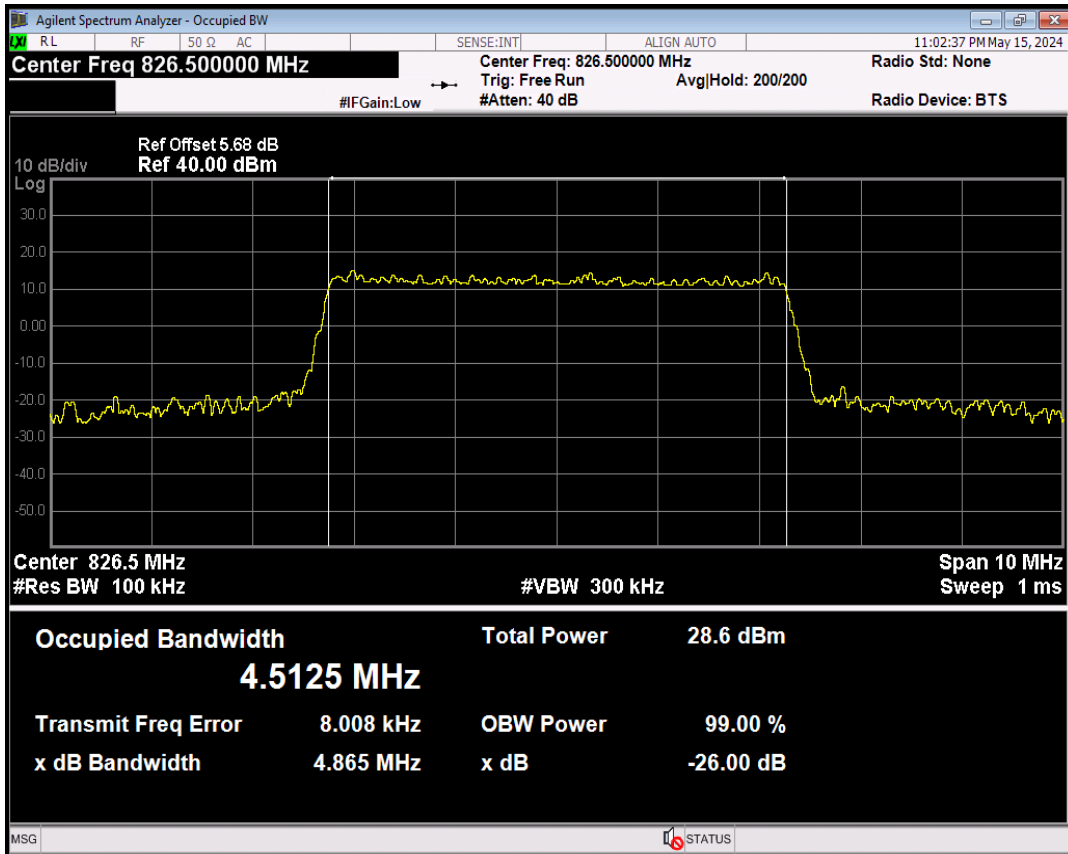


Band5 QPSK BW=5MHz Channel=20425 RB Size=25 Position=#0



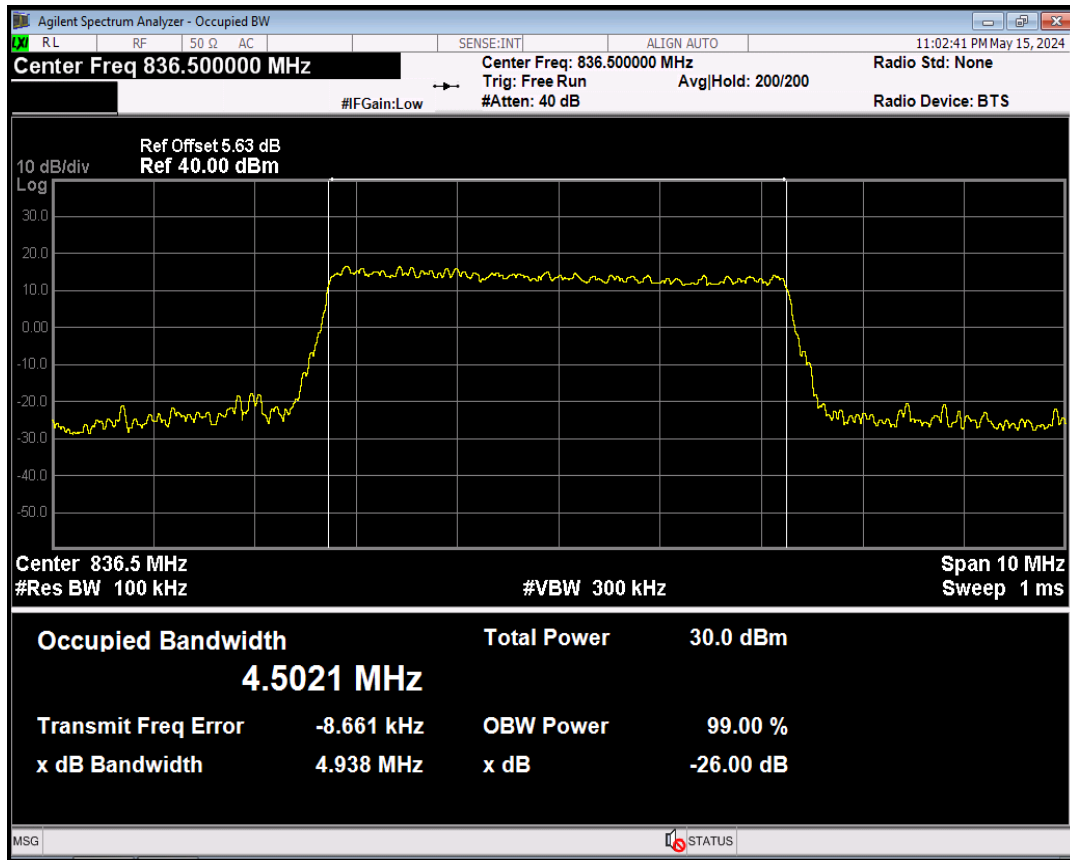


Band5 16QAM BW=5MHz Channel=20425 RB Size=25 Position=#0

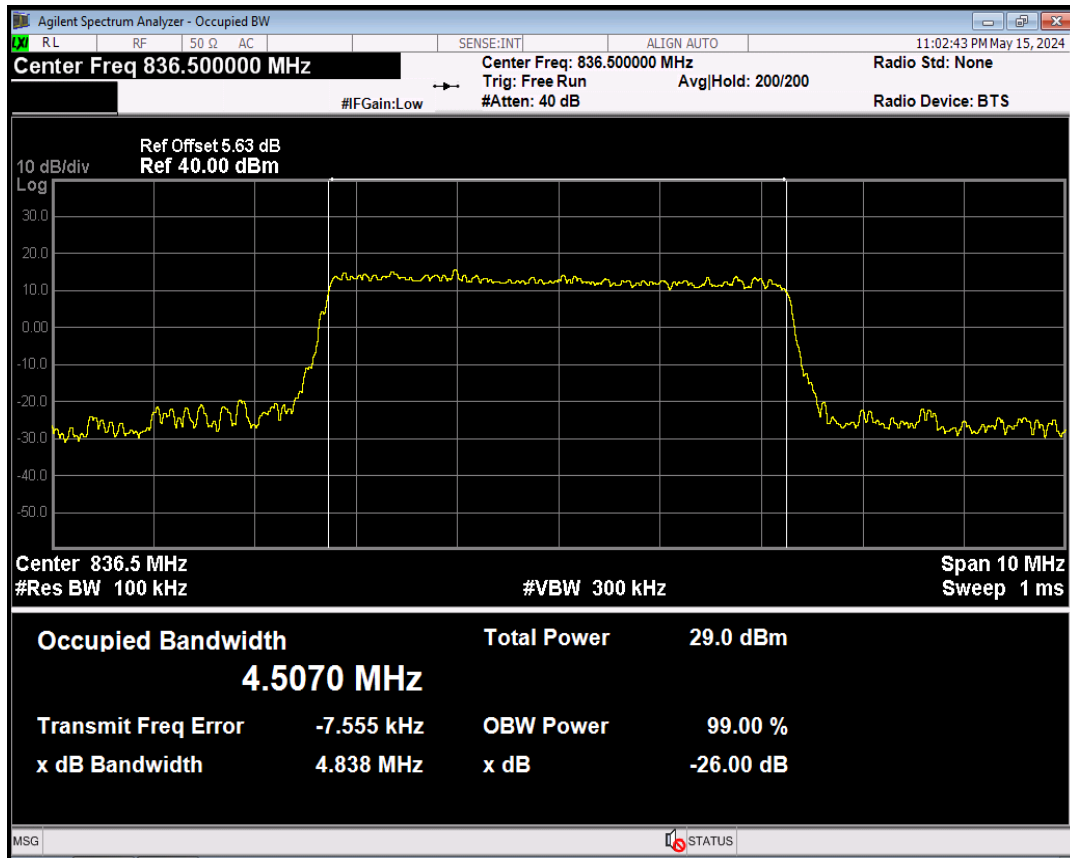




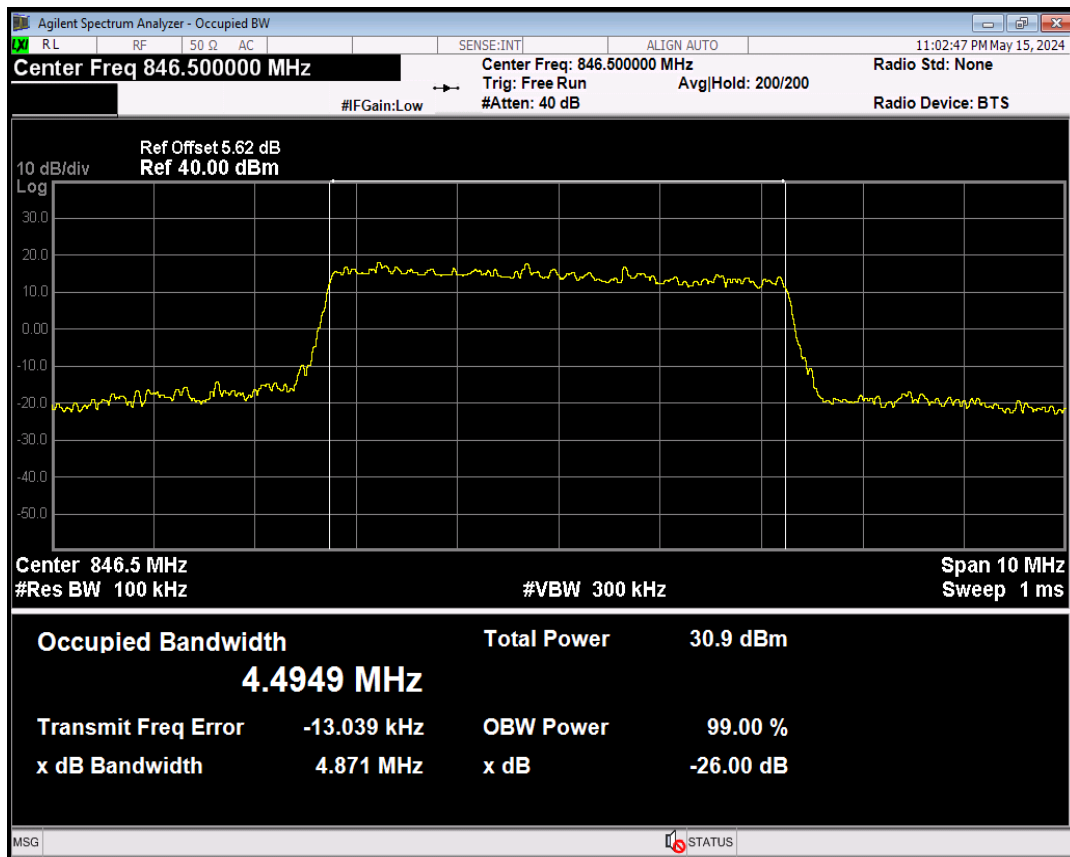
Band5 QPSK BW=5MHz Channel=20525 RB Size=25 Position=#0



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

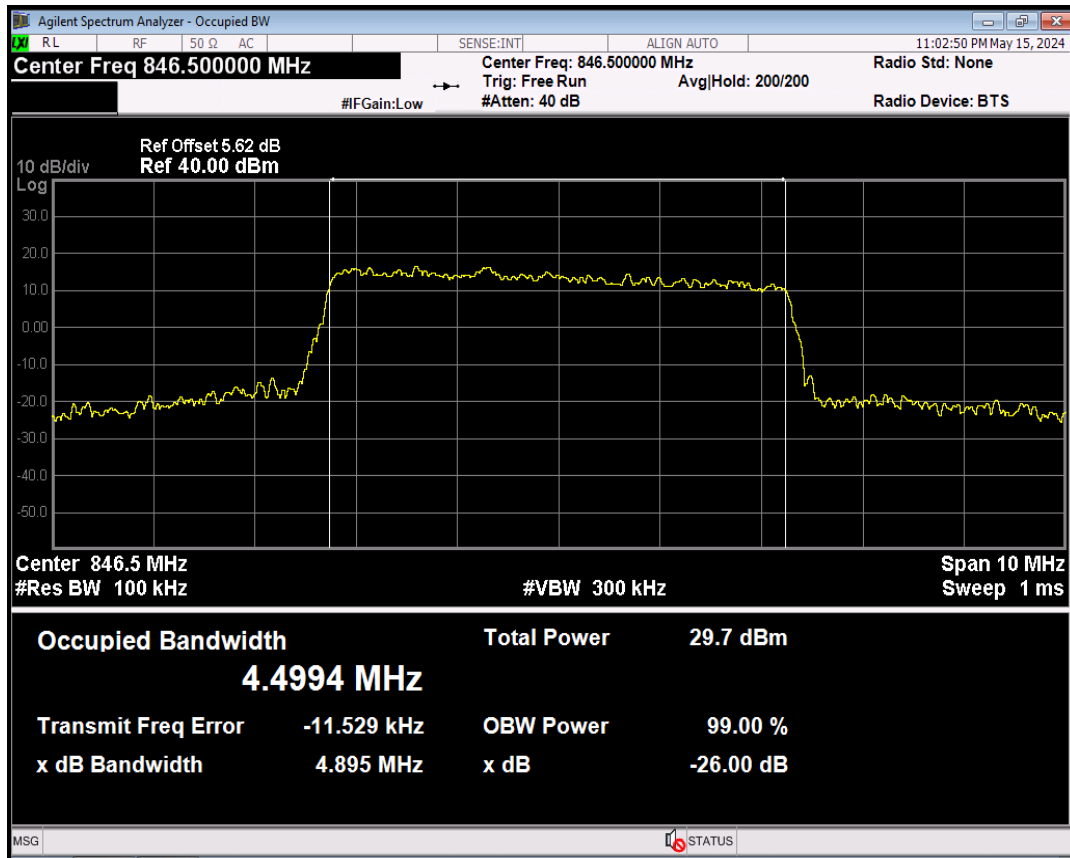


Band5 QPSK BW=5MHz Channel=20625 RB Size=25 Position=#0

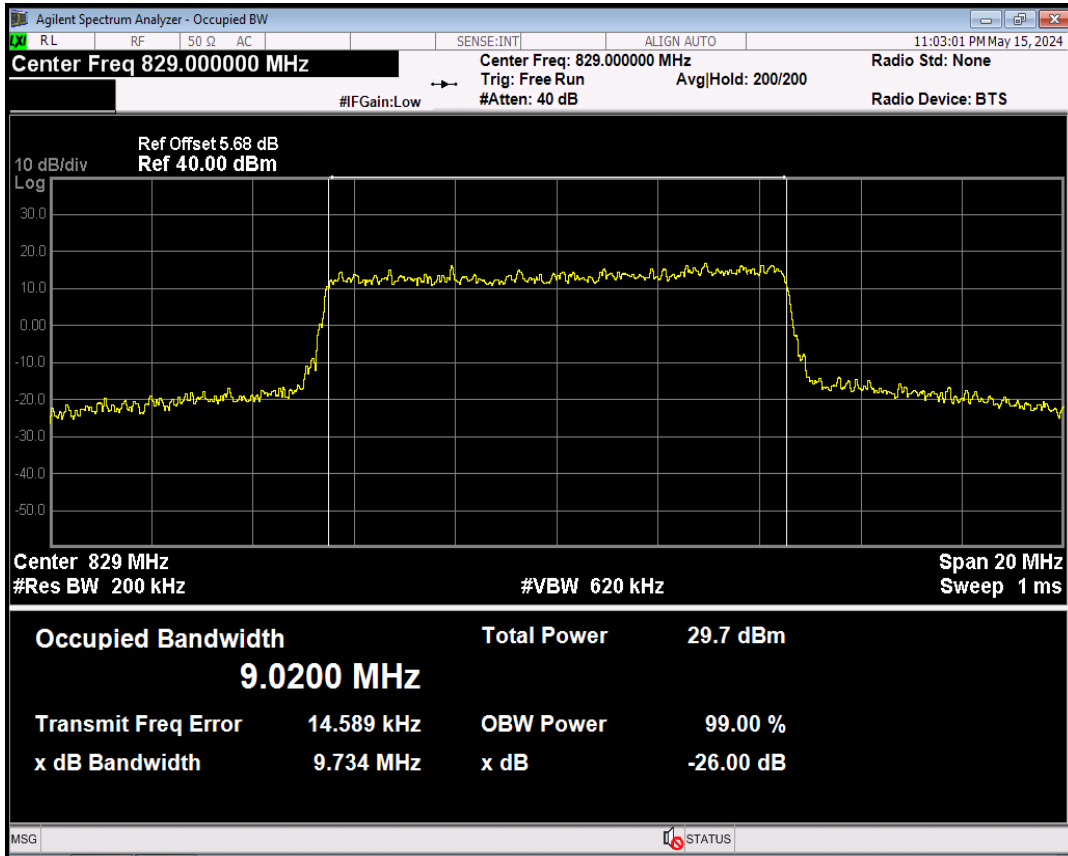




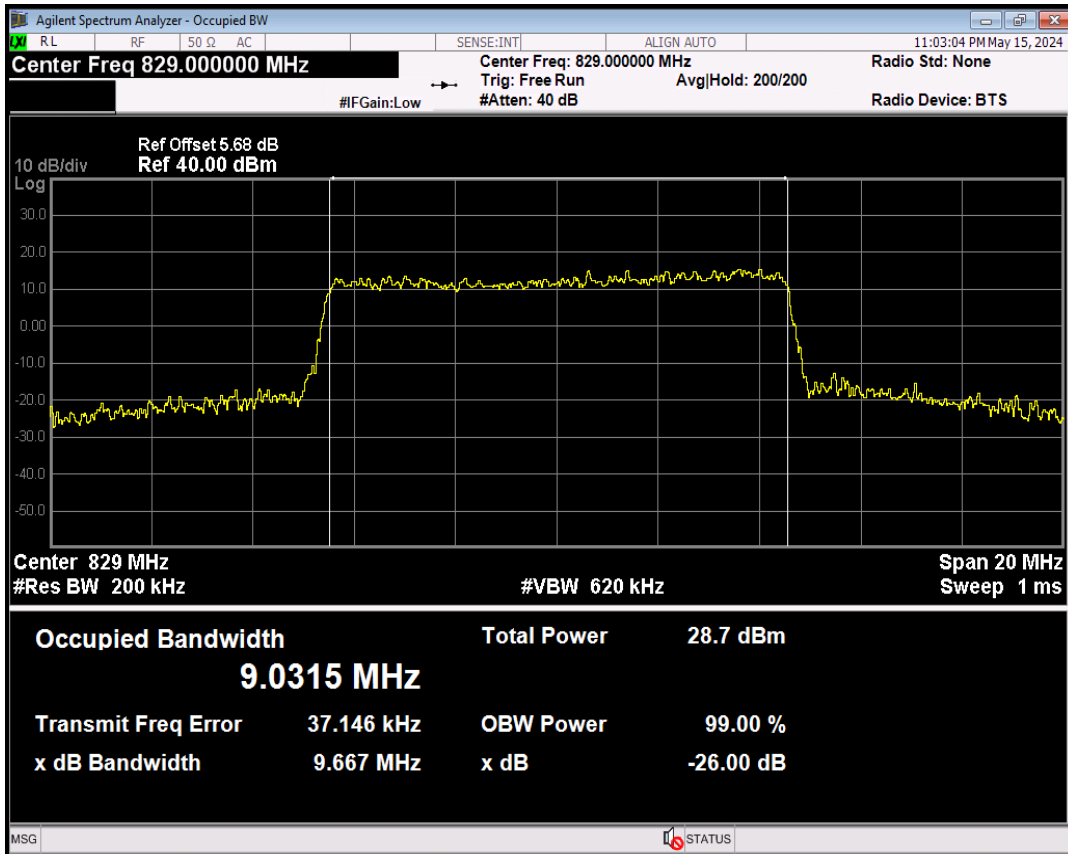
Band5 16QAM BW=5MHz Channel=20625 RB Size=25 Position=#0



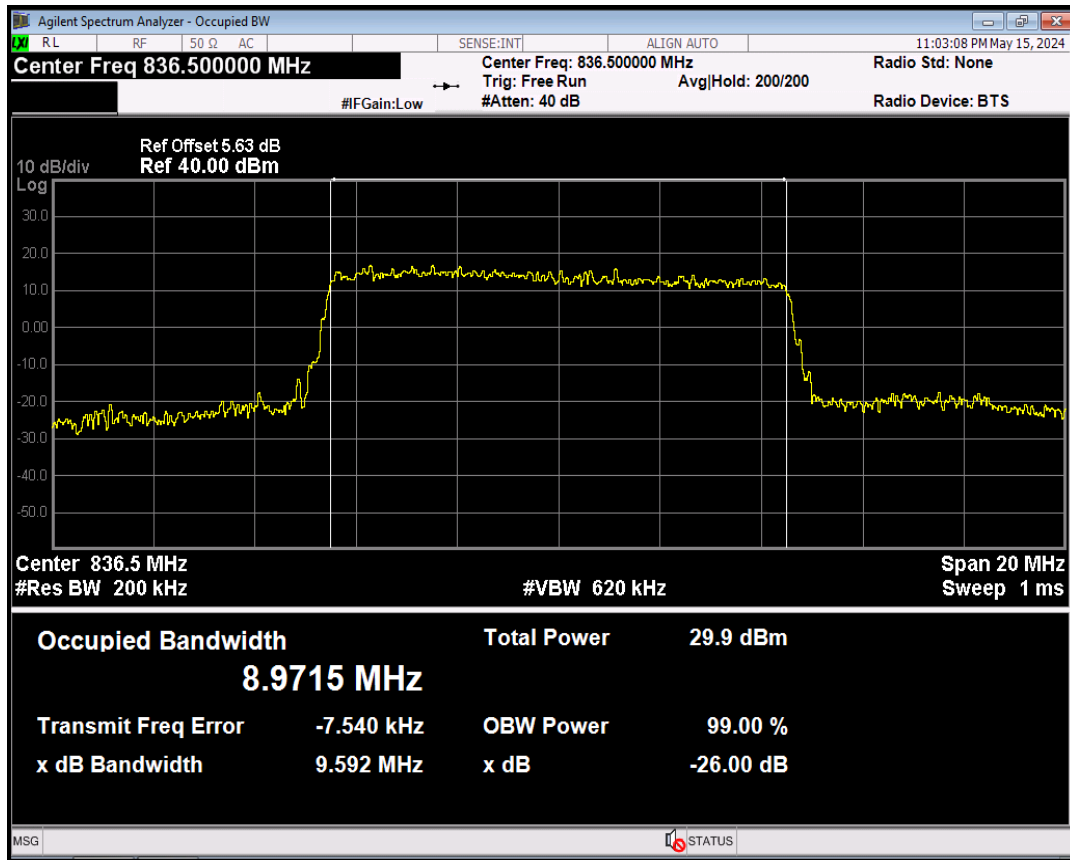
Band5 QPSK BW=10MHz Channel=20450 RB Size=50 Position=#0



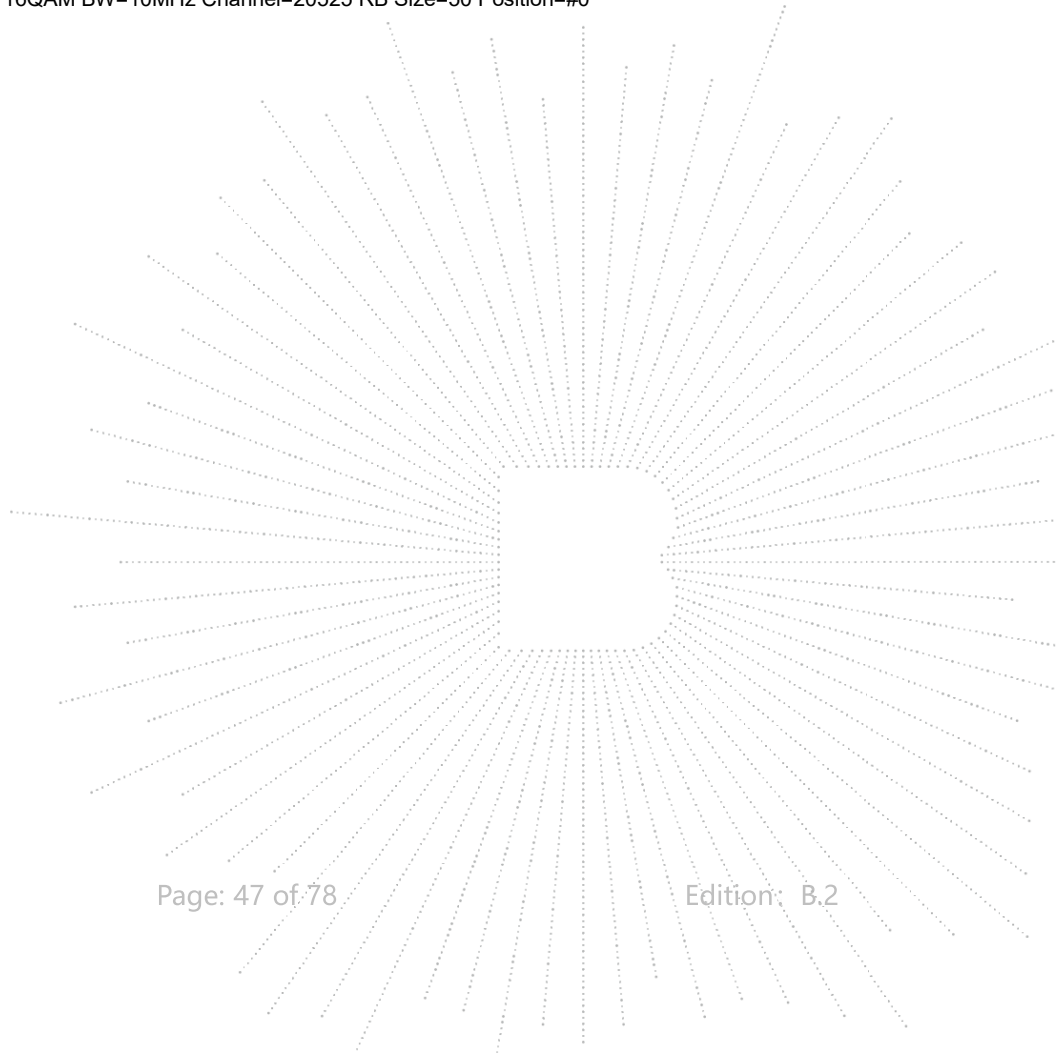
Band5 16QAM BW=10MHz Channel=20450 RB Size=50 Position=#0

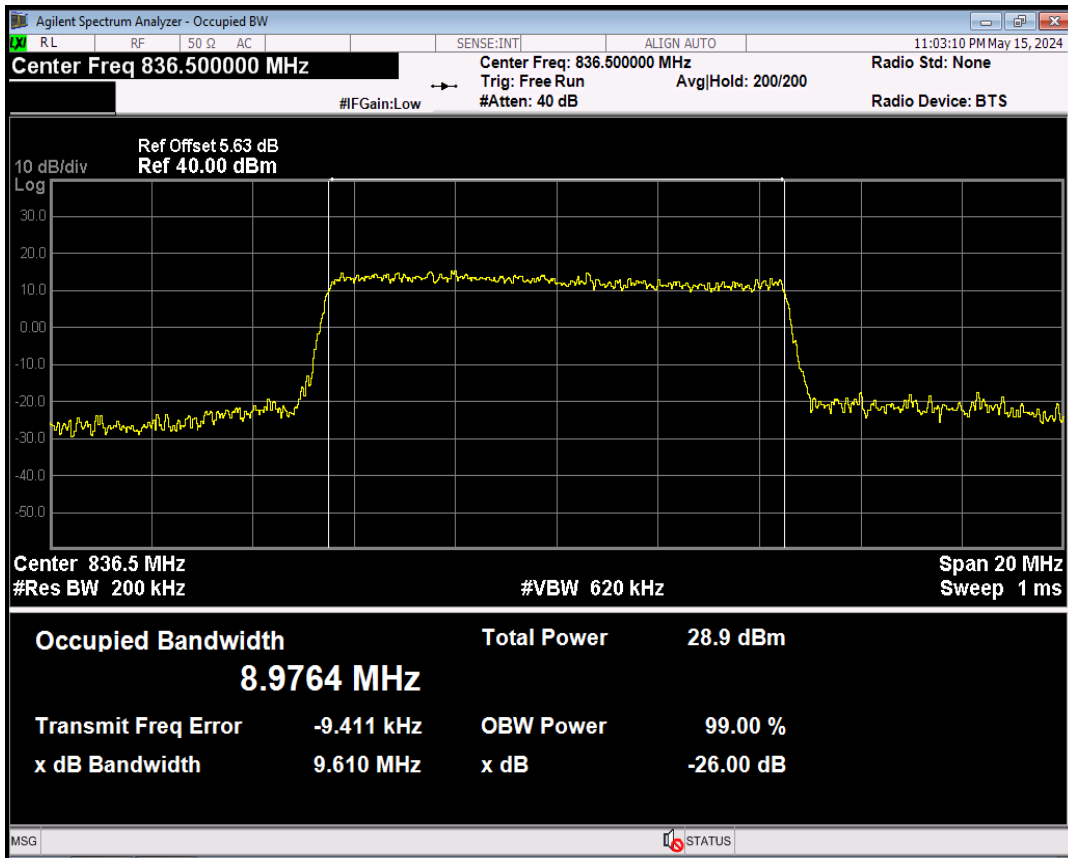


Band5 QPSK BW=10MHz Channel=20525 RB Size=50 Position=#0

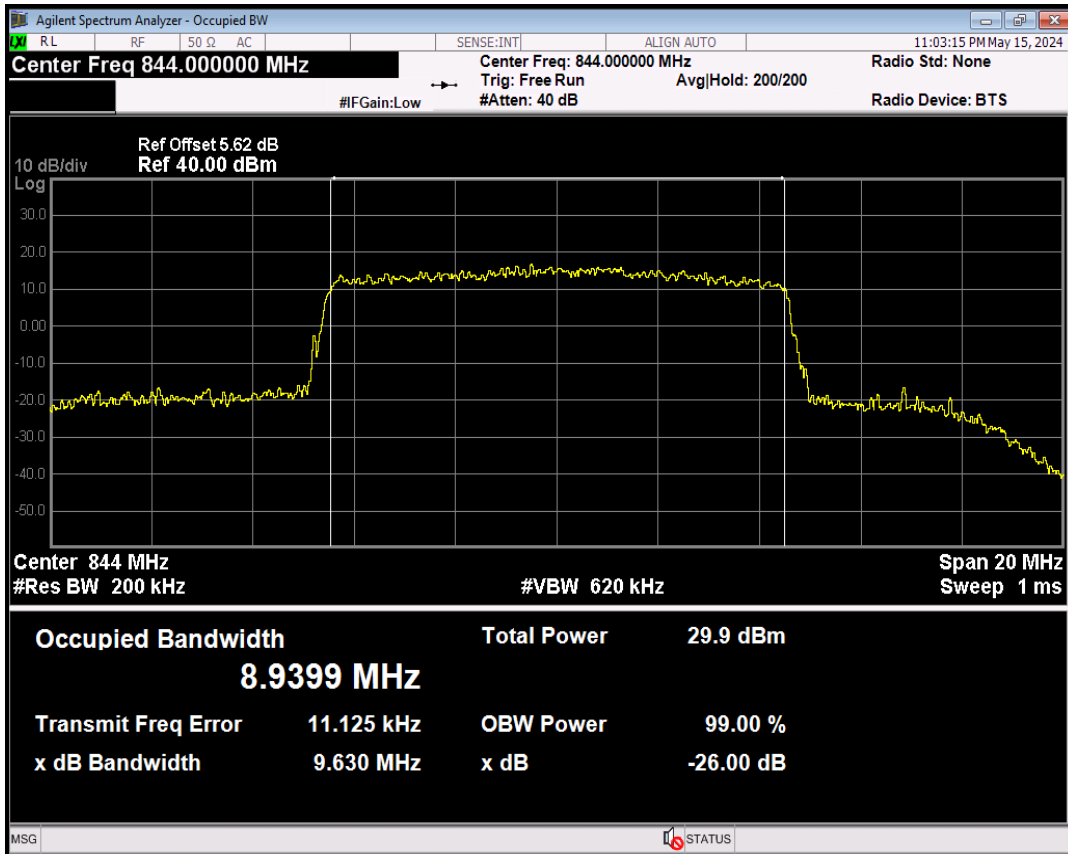


Band5 16QAM BW=10MHz Channel=20525 RB Size=50 Position=#0



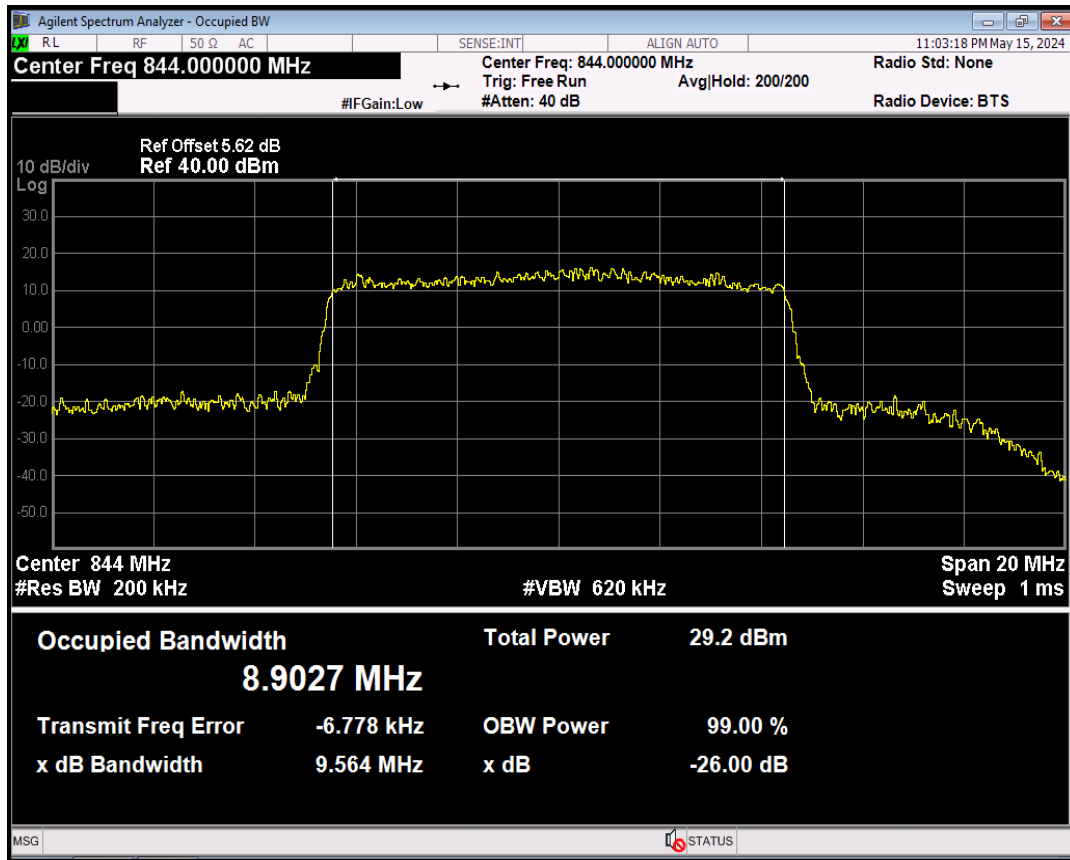


Band5 QPSK BW=10MHz Channel=20600 RB Size=50 Position=#0





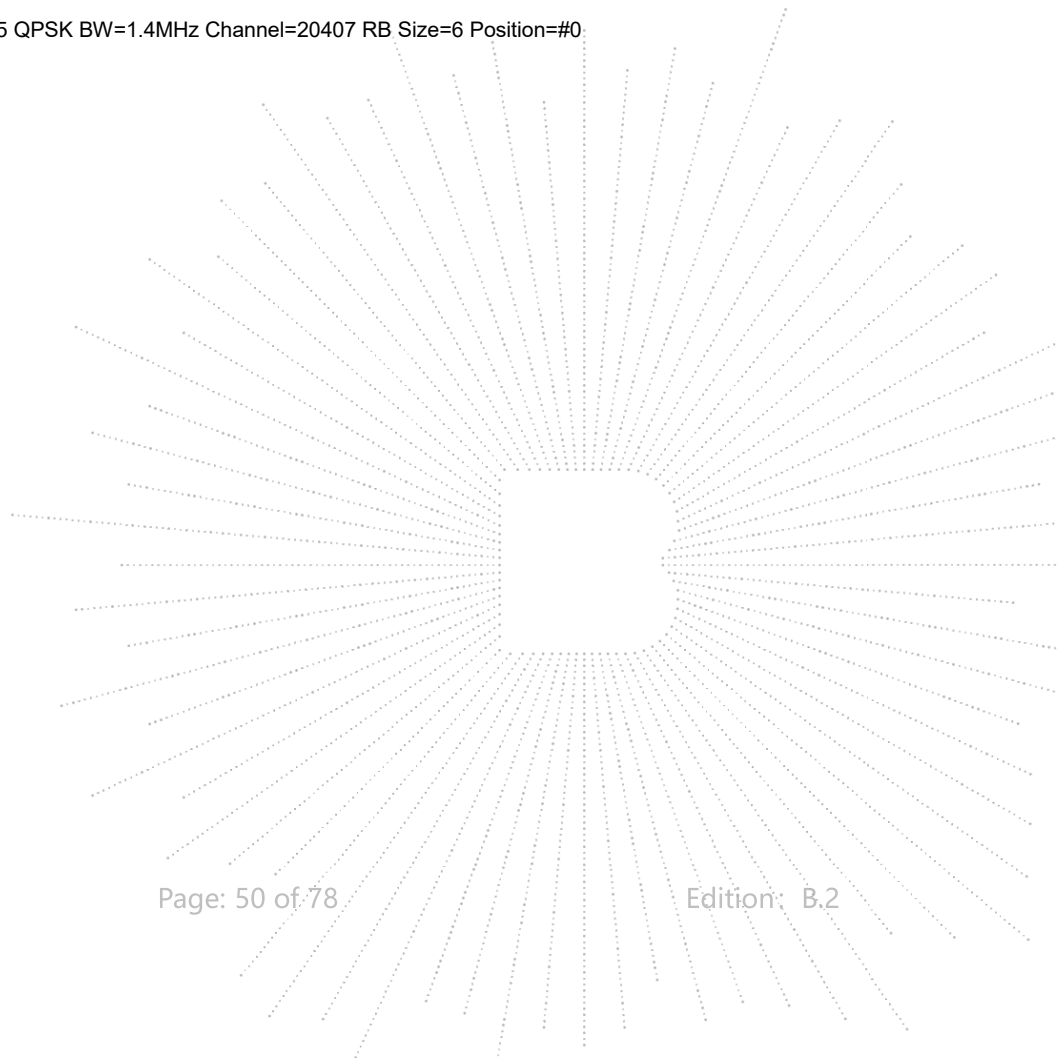
Band5 16QAM BW=10MHz Channel=20600 RB Size=50 Position=#0



## Appendix 5. Band edge

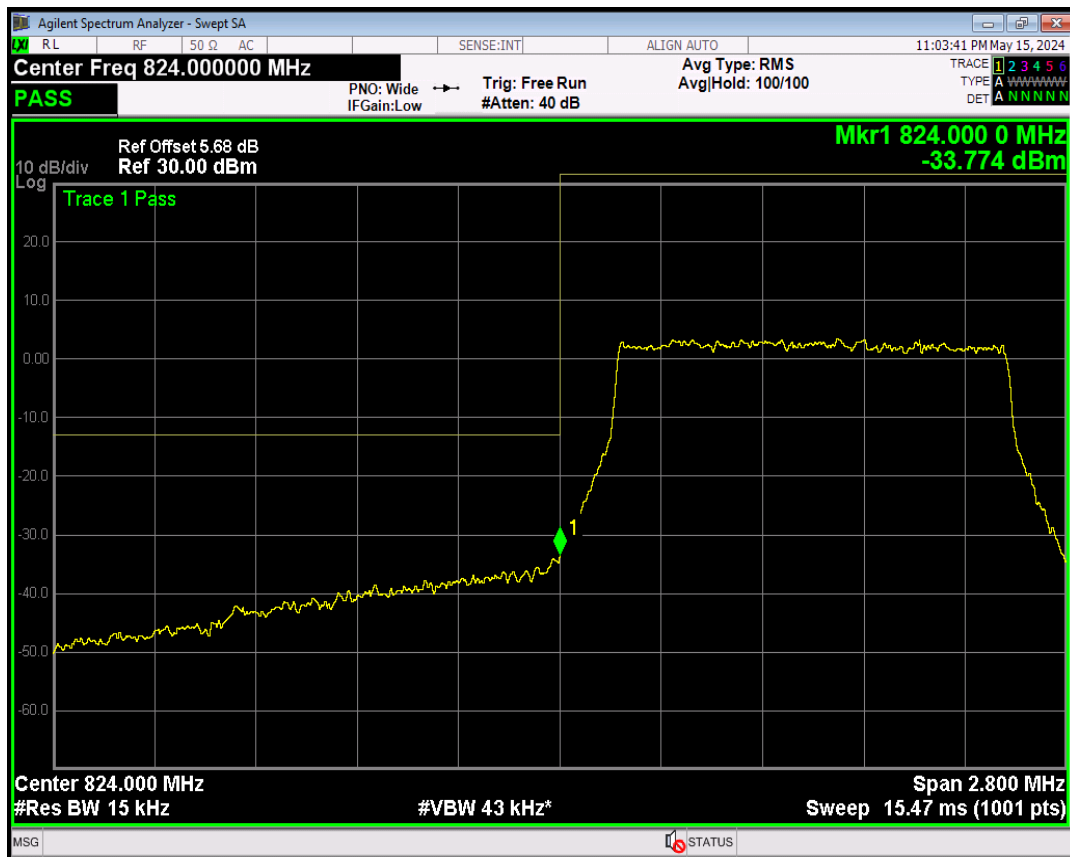
| Band  | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Size | RB<br>Position | Modulation | Spur Freq<br>(MHz) | Spur Level<br>(dBm) | Limit<br>(dBm) | Verdict |
|-------|--------------------|---------------|------------|----------------|------------|--------------------|---------------------|----------------|---------|
| Band5 | 1.4                | 20407         | 6          | #0             | QPSK       | 824.00             | -31.51              | -13            | PASS    |
| Band5 | 1.4                | 20407         | 6          | #0             | 16QAM      | 824.00             | -33.77              | -13            | PASS    |
| Band5 | 1.4                | 20643         | 6          | #0             | QPSK       | 849.01             | -17.46              | -13            | PASS    |
| Band5 | 1.4                | 20643         | 6          | #0             | 16QAM      | 849.07             | -21.44              | -13            | PASS    |
| Band5 | 3                  | 20415         | 15         | #0             | QPSK       | 823.98             | -31.91              | -13            | PASS    |
| Band5 | 3                  | 20415         | 15         | #0             | 16QAM      | 823.99             | -31.87              | -13            | PASS    |
| Band5 | 3                  | 20635         | 15         | #0             | QPSK       | 849.01             | -24.19              | -13            | PASS    |
| Band5 | 3                  | 20635         | 15         | #0             | 16QAM      | 849.10             | -28.34              | -13            | PASS    |
| Band5 | 5                  | 20425         | 25         | #0             | QPSK       | 823.98             | -29.85              | -13            | PASS    |
| Band5 | 5                  | 20425         | 25         | #0             | 16QAM      | 823.98             | -30.82              | -13            | PASS    |
| Band5 | 5                  | 20625         | 25         | #0             | QPSK       | 849.00             | -29.53              | -13            | PASS    |
| Band5 | 5                  | 20625         | 25         | #0             | 16QAM      | 849.00             | -32.00              | -13            | PASS    |
| Band5 | 10                 | 20450         | 50         | #0             | QPSK       | 823.96             | -30.38              | -13            | PASS    |
| Band5 | 10                 | 20450         | 50         | #0             | 16QAM      | 823.98             | -32.28              | -13            | PASS    |
| Band5 | 10                 | 20600         | 50         | #0             | QPSK       | 849.04             | -31.78              | -13            | PASS    |
| Band5 | 10                 | 20600         | 50         | #0             | 16QAM      | 849.04             | -33.49              | -13            | PASS    |

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





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

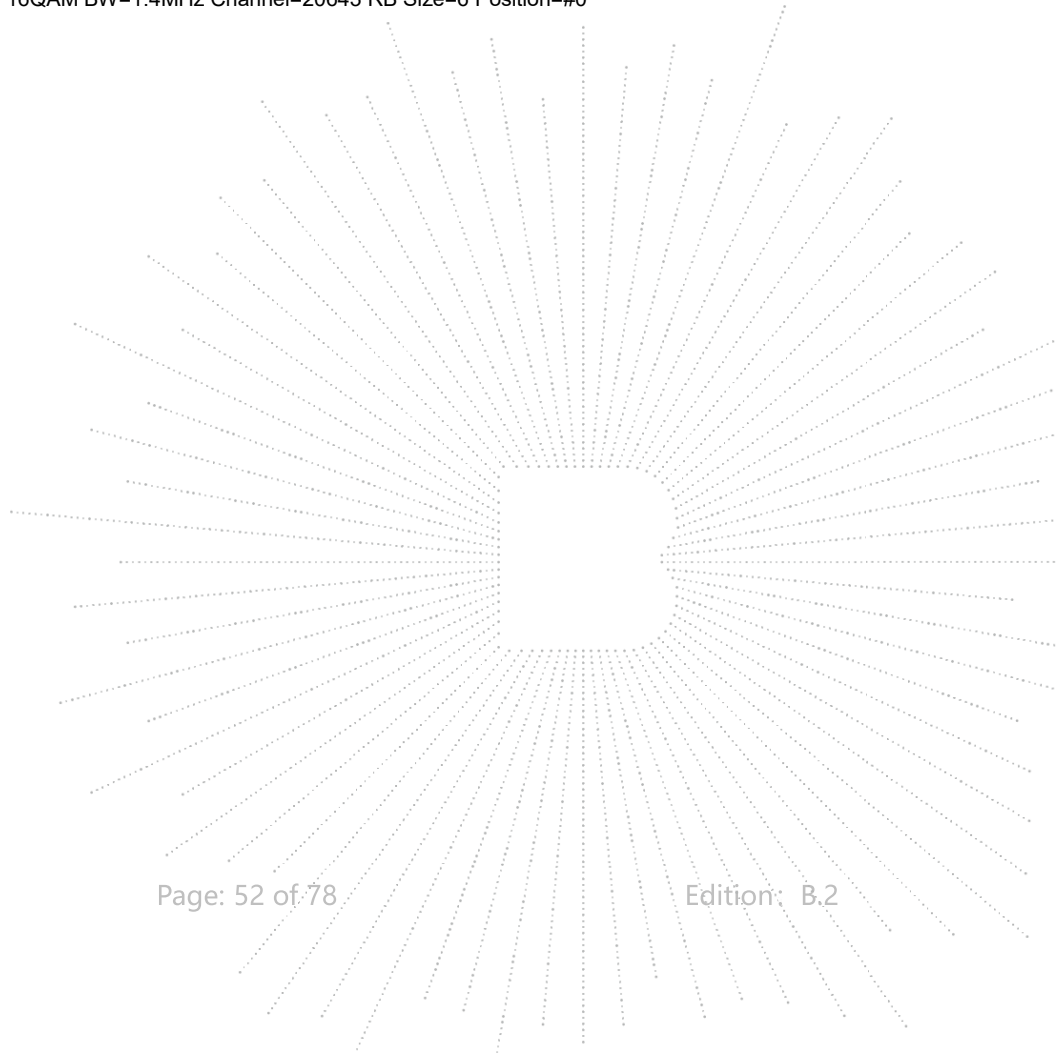




Band5 QPSK BW=1.4MHz Channel=20643 RB Size=6 Position=#0

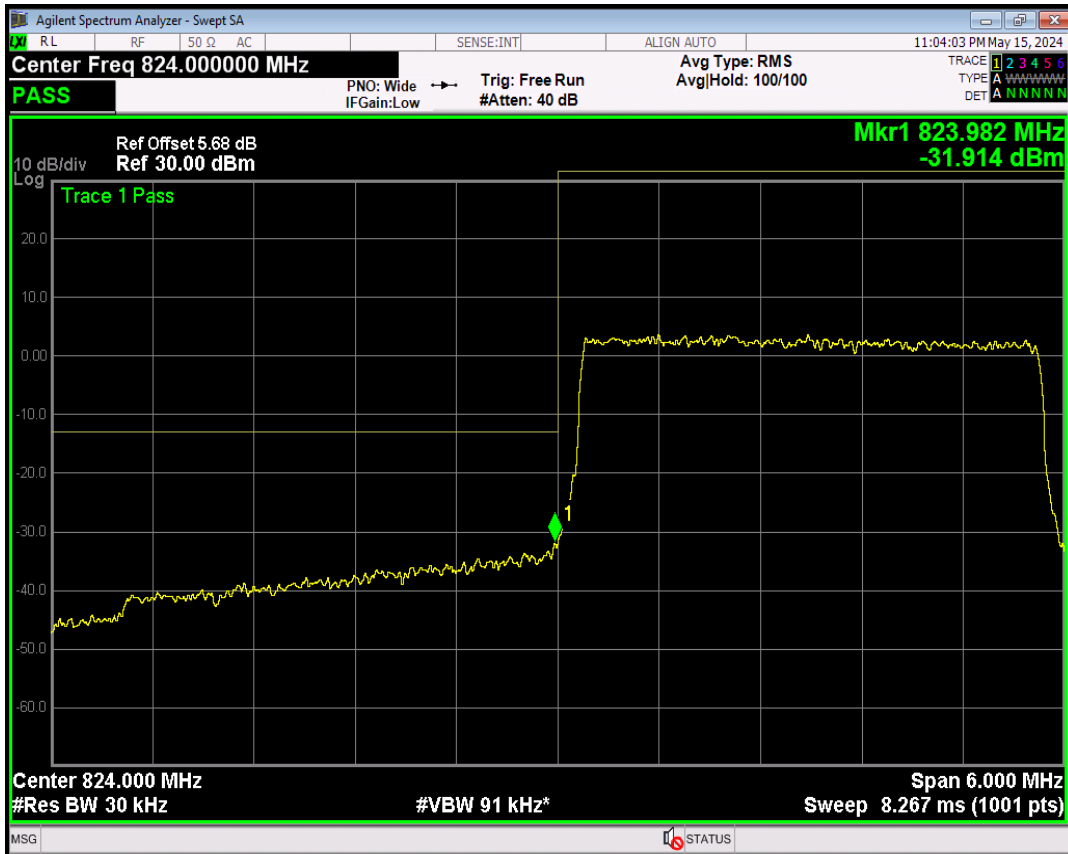


Band5 16QAM BW=1.4MHz Channel=20643 RB Size=6 Position=#0



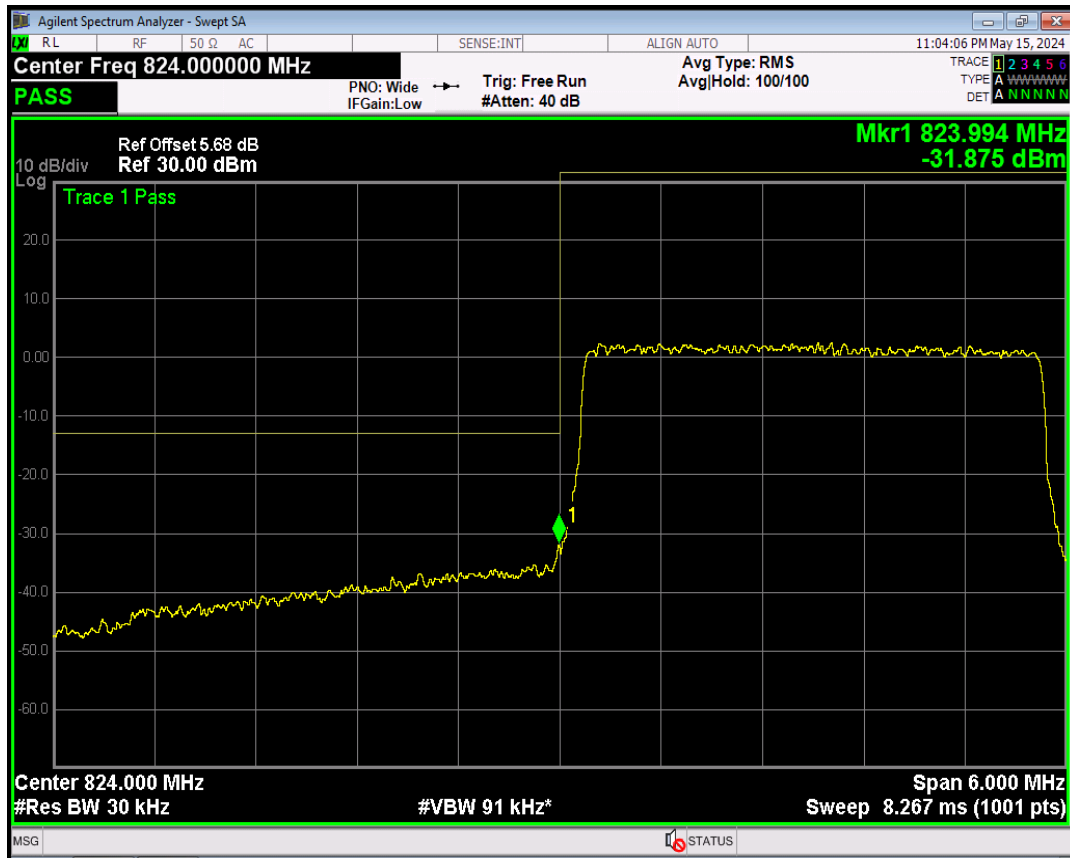


Band5 QPSK BW=3MHz Channel=20415 RB Size=15 Position=#0

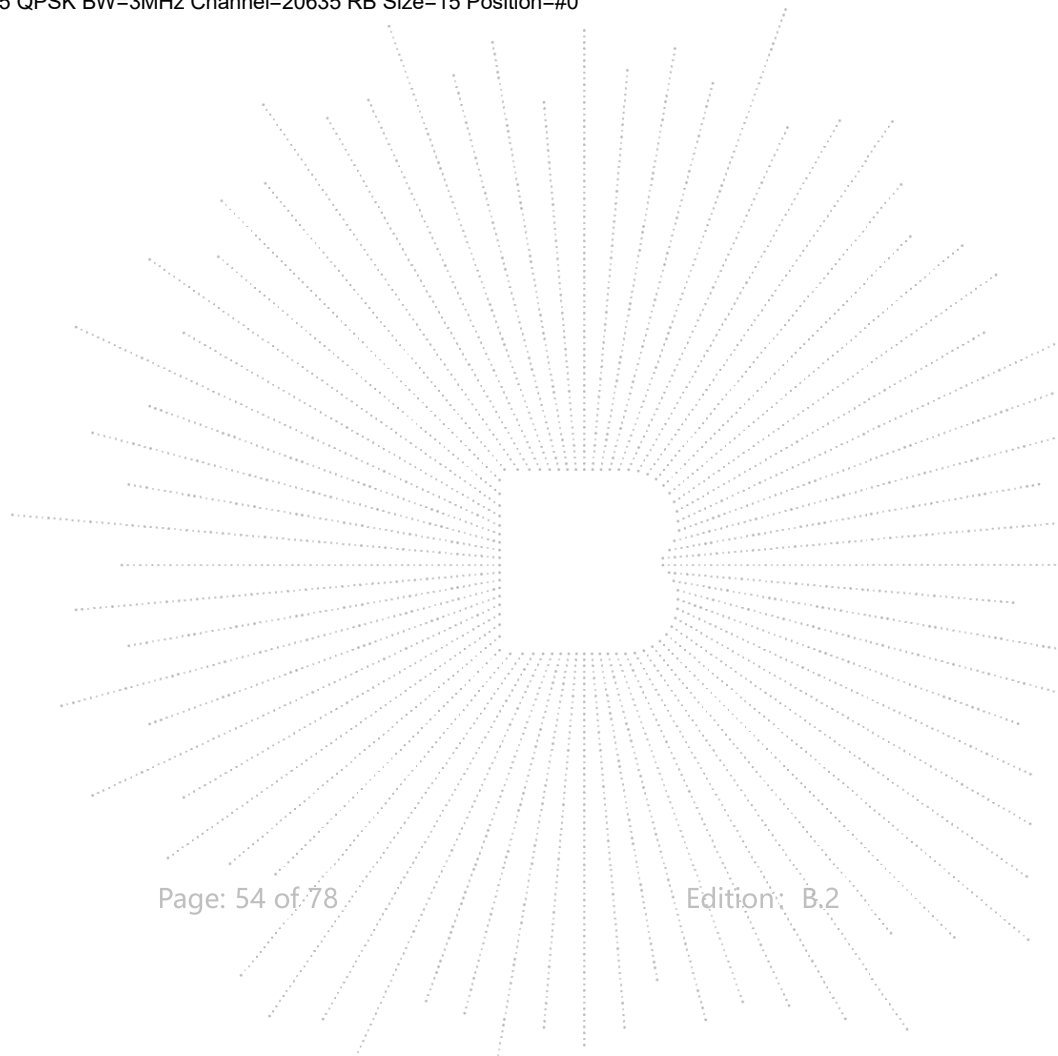




Band5 16QAM BW=3MHz Channel=20415 RB Size=15 Position=#0



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



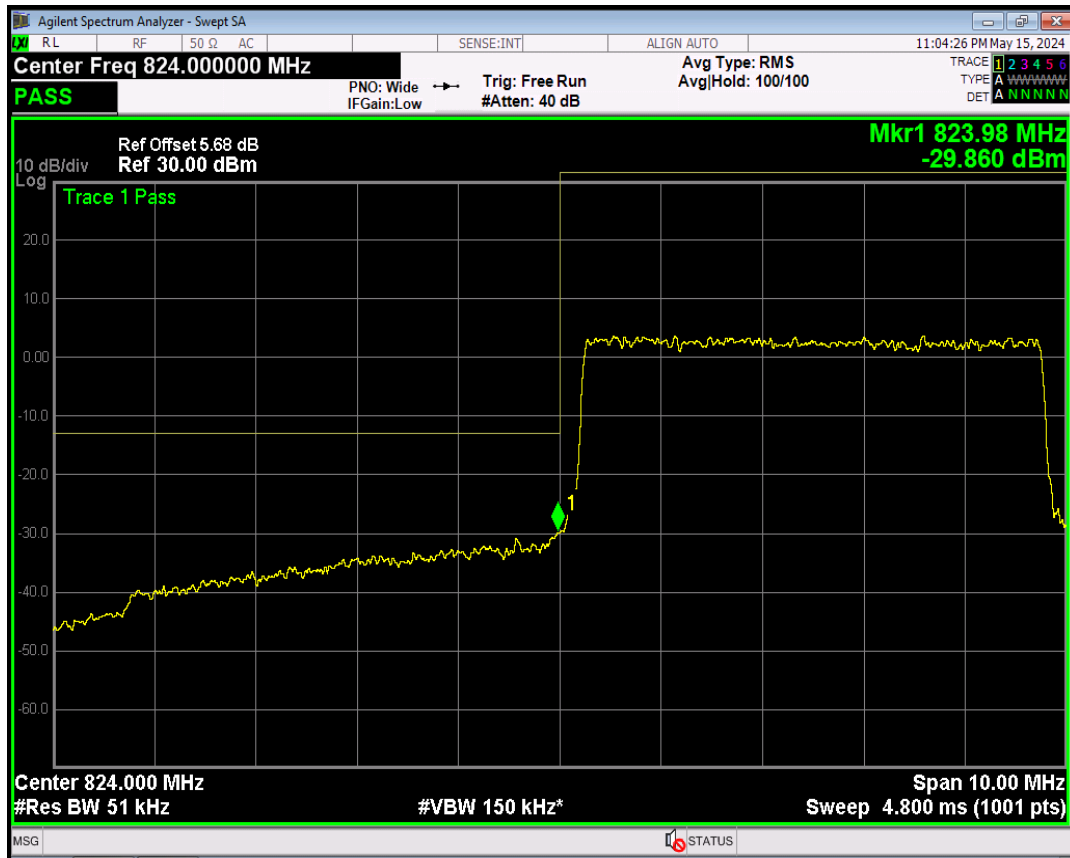


Band5 16QAM BW=3MHz Channel=20635 RB Size=15 Position=#0

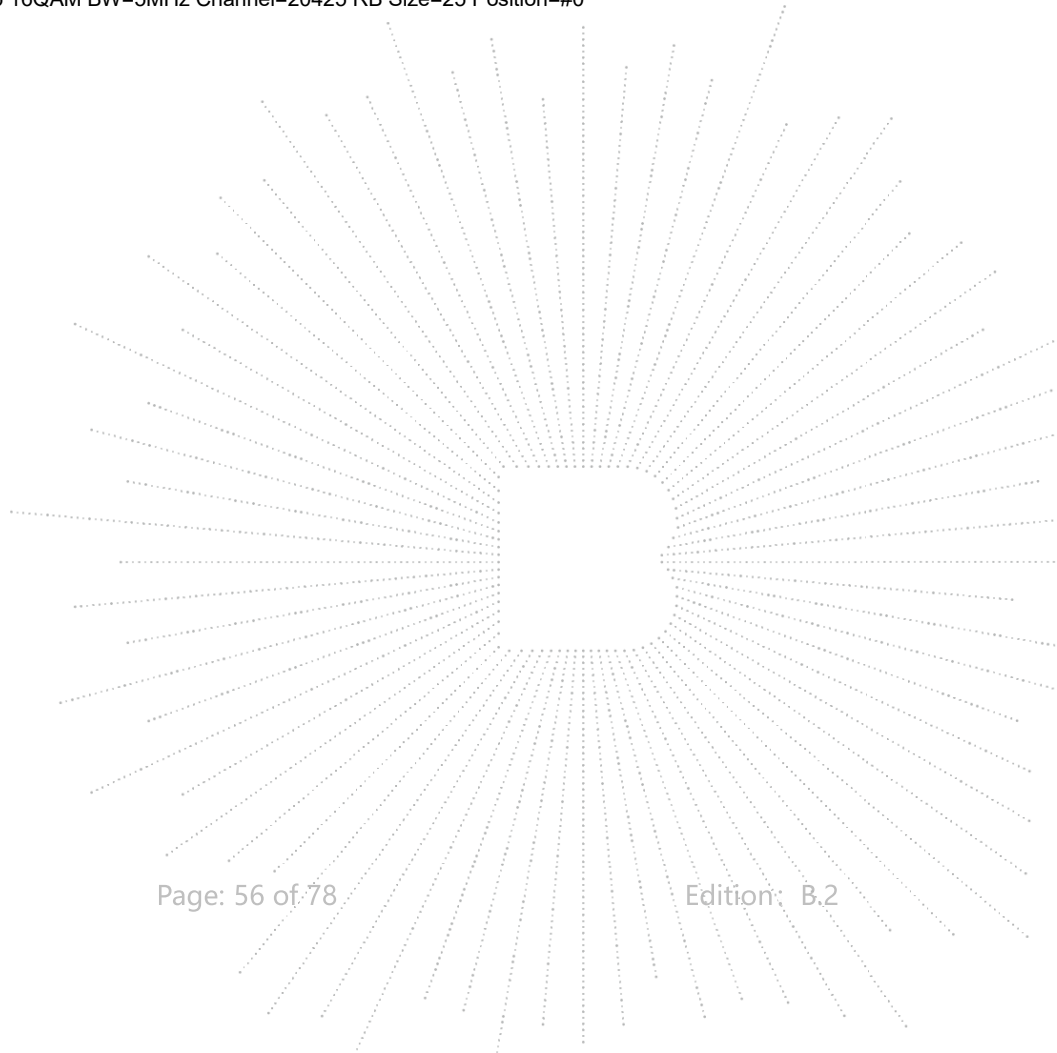


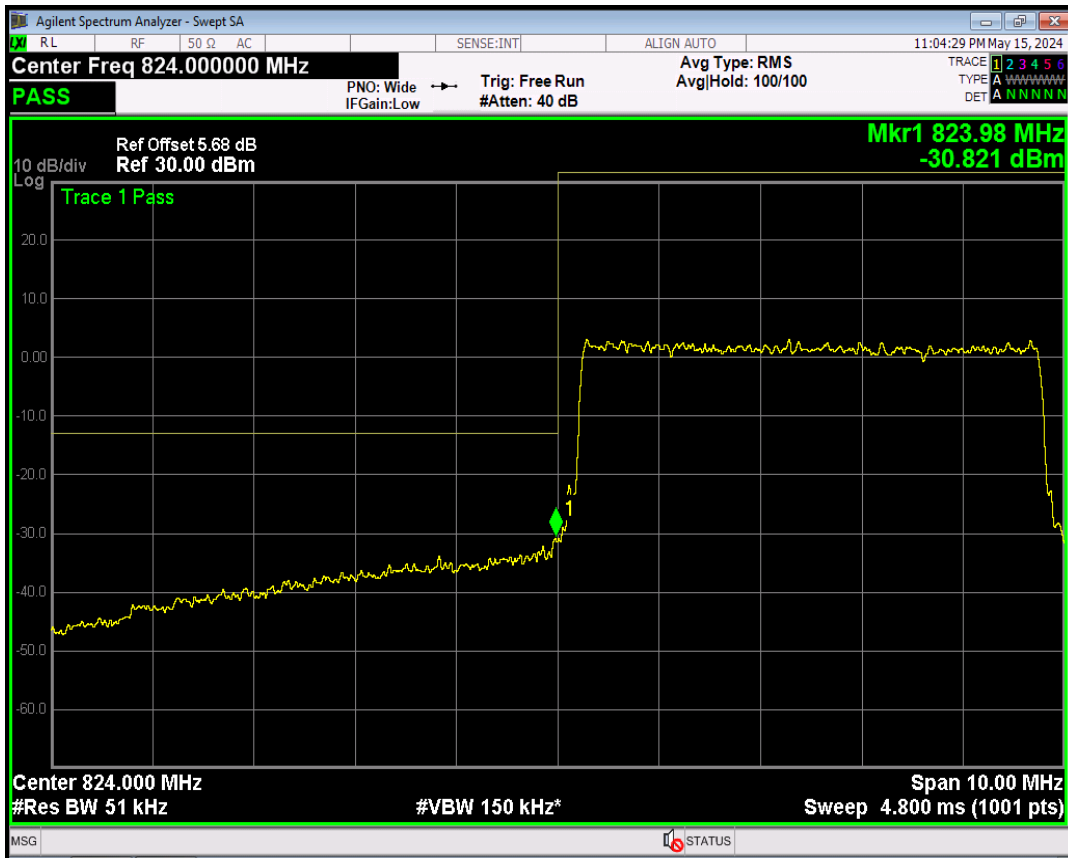


Band5 QPSK BW=5MHz Channel=20425 RB Size=25 Position=#0



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





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

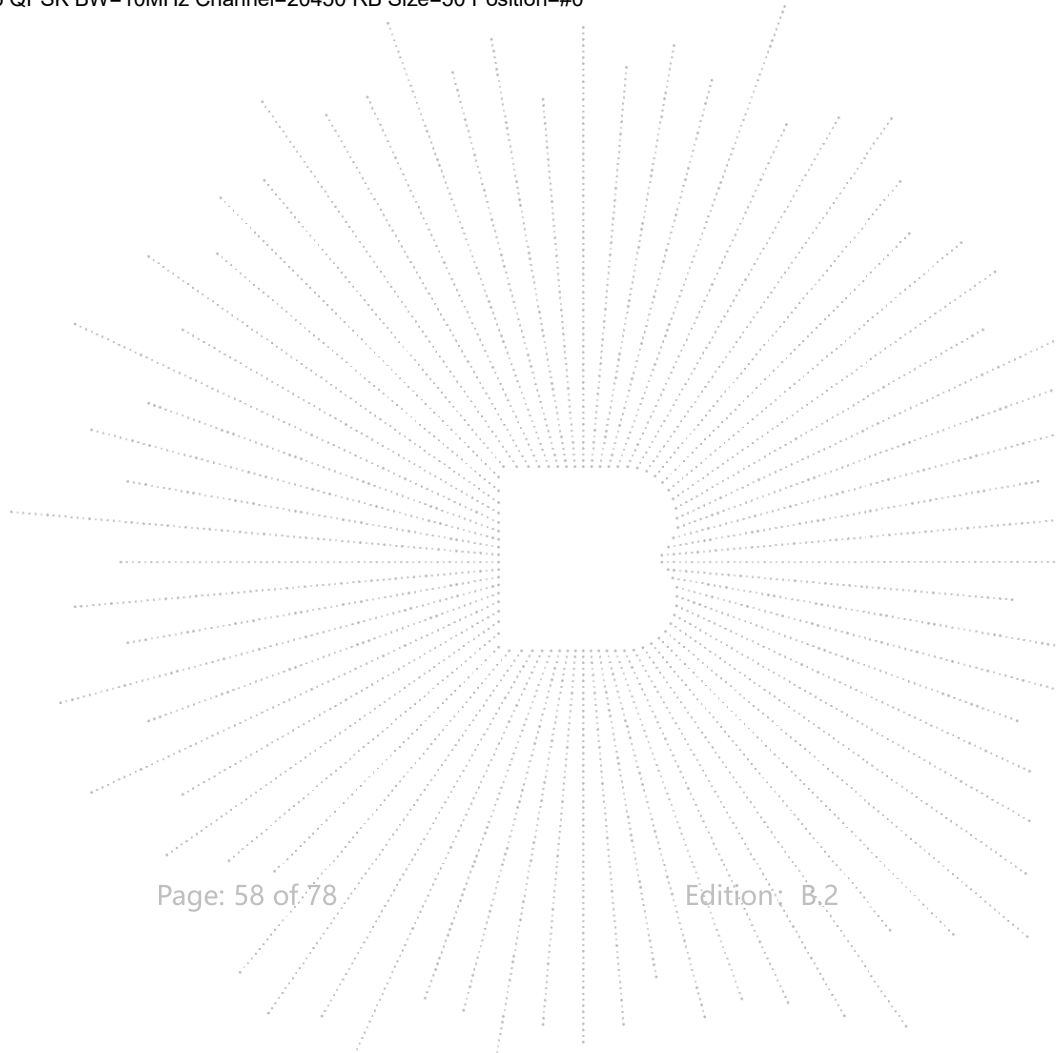


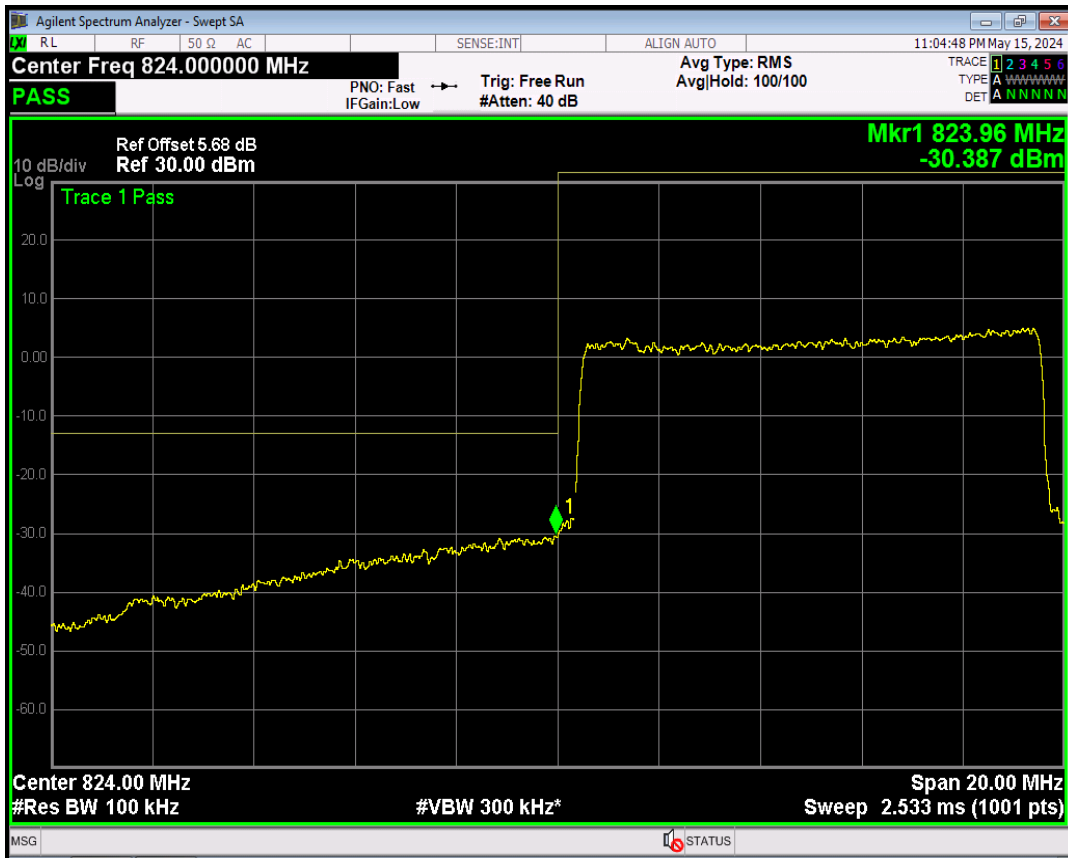


Band5 16QAM BW=5MHz Channel=20625 RB Size=25 Position=#0

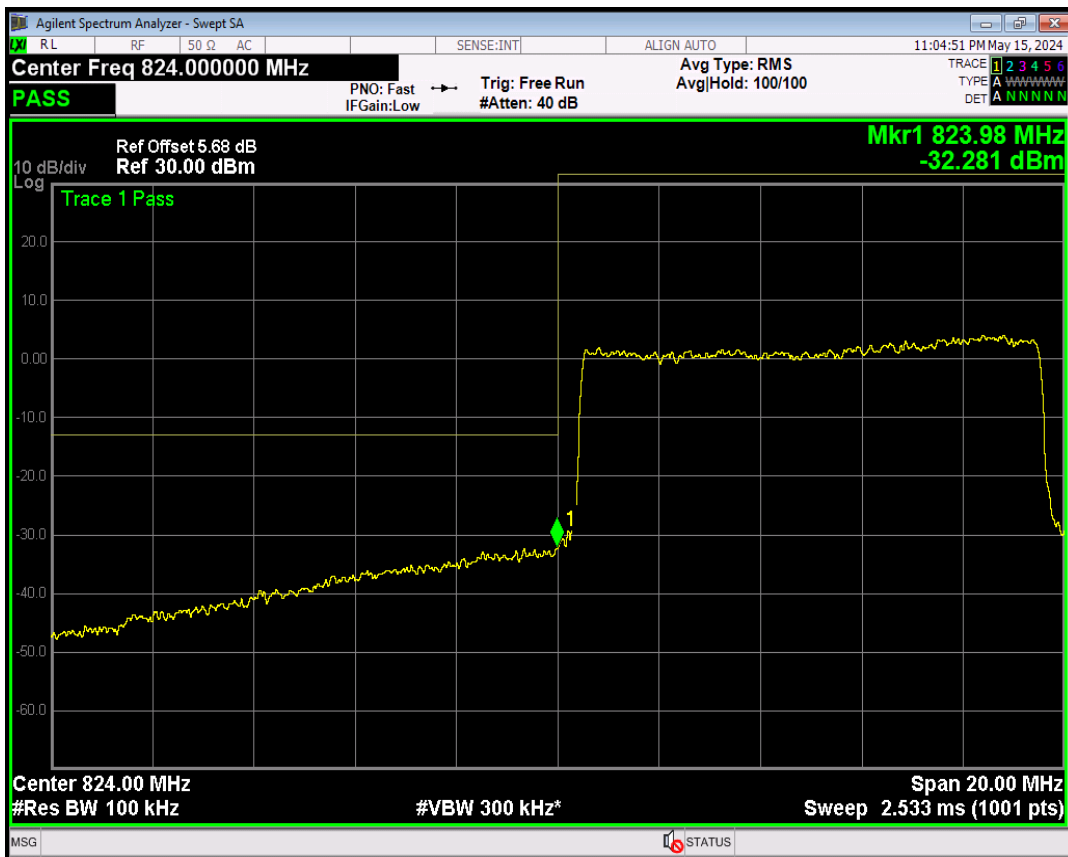


Band5 QPSK BW=10MHz Channel=20450 RB Size=50 Position=#0





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

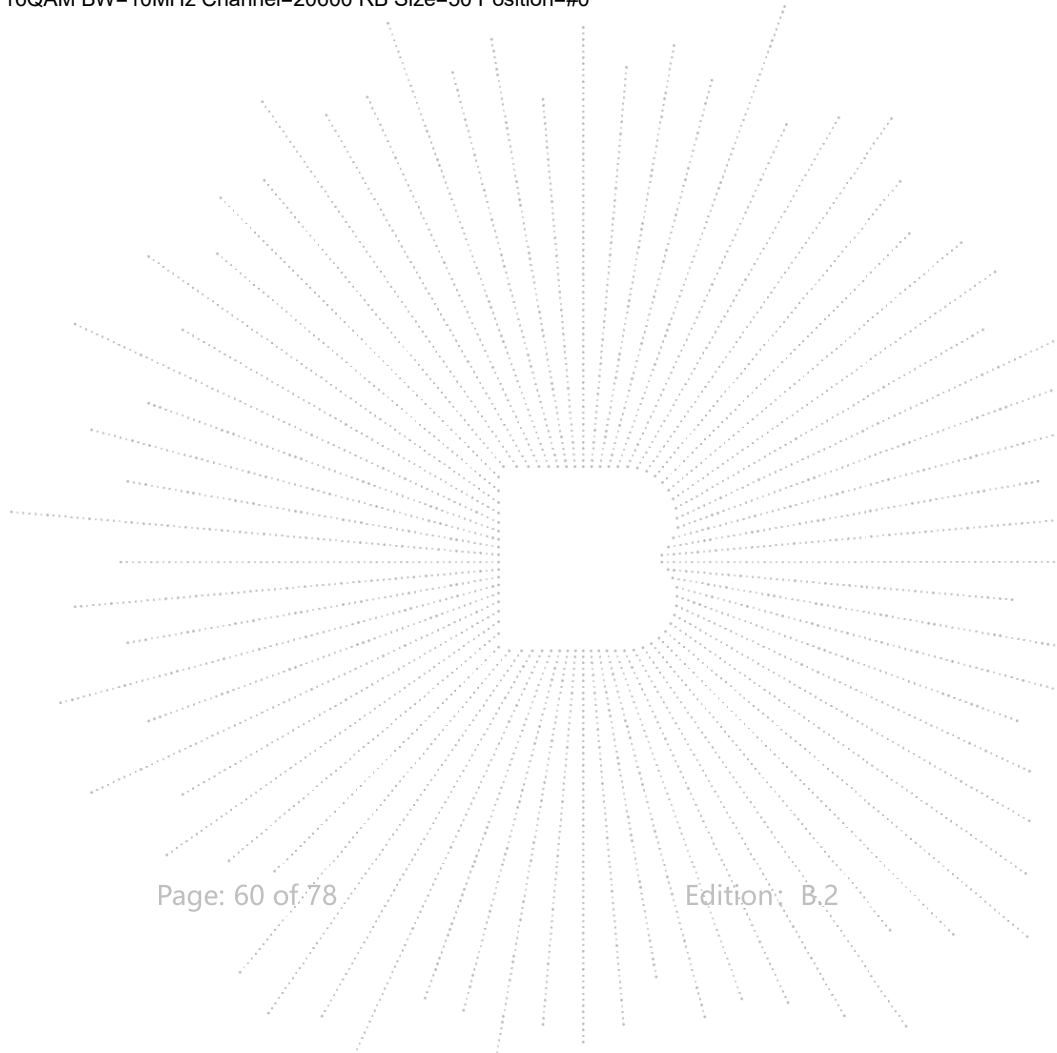




Band5 QPSK BW=10MHz Channel=20600 RB Size=50 Position=#0



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

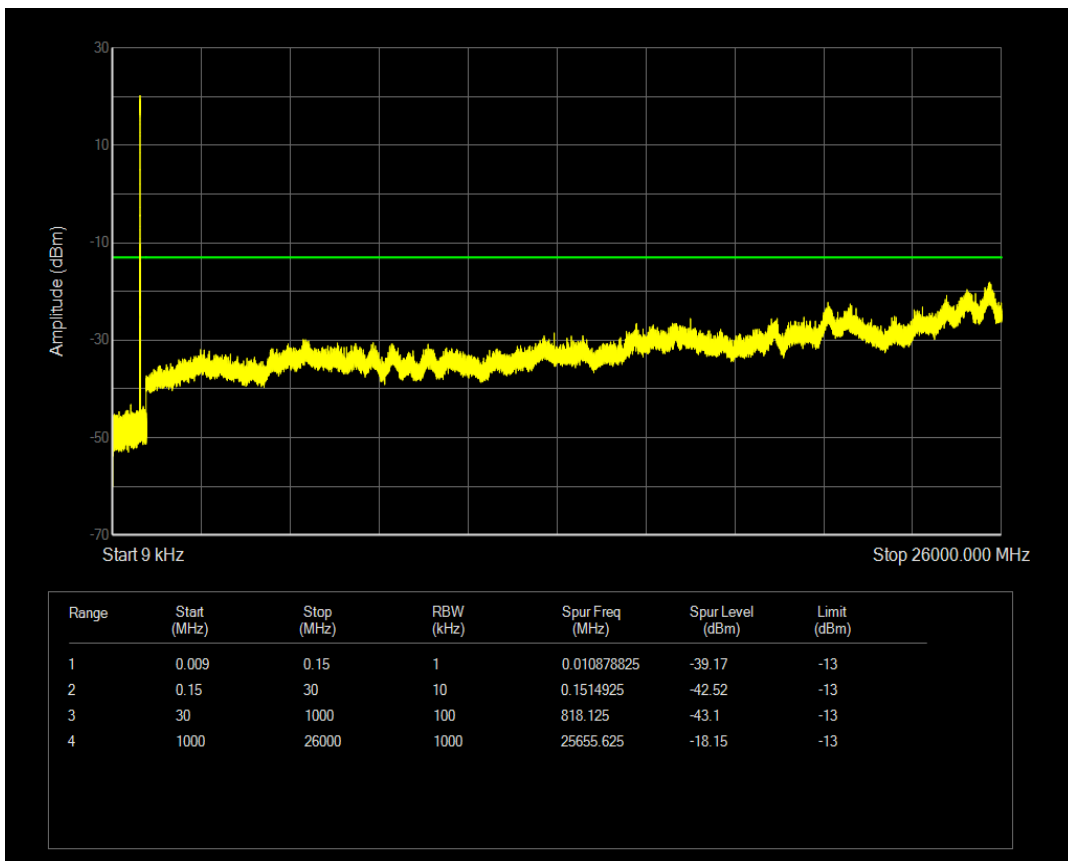




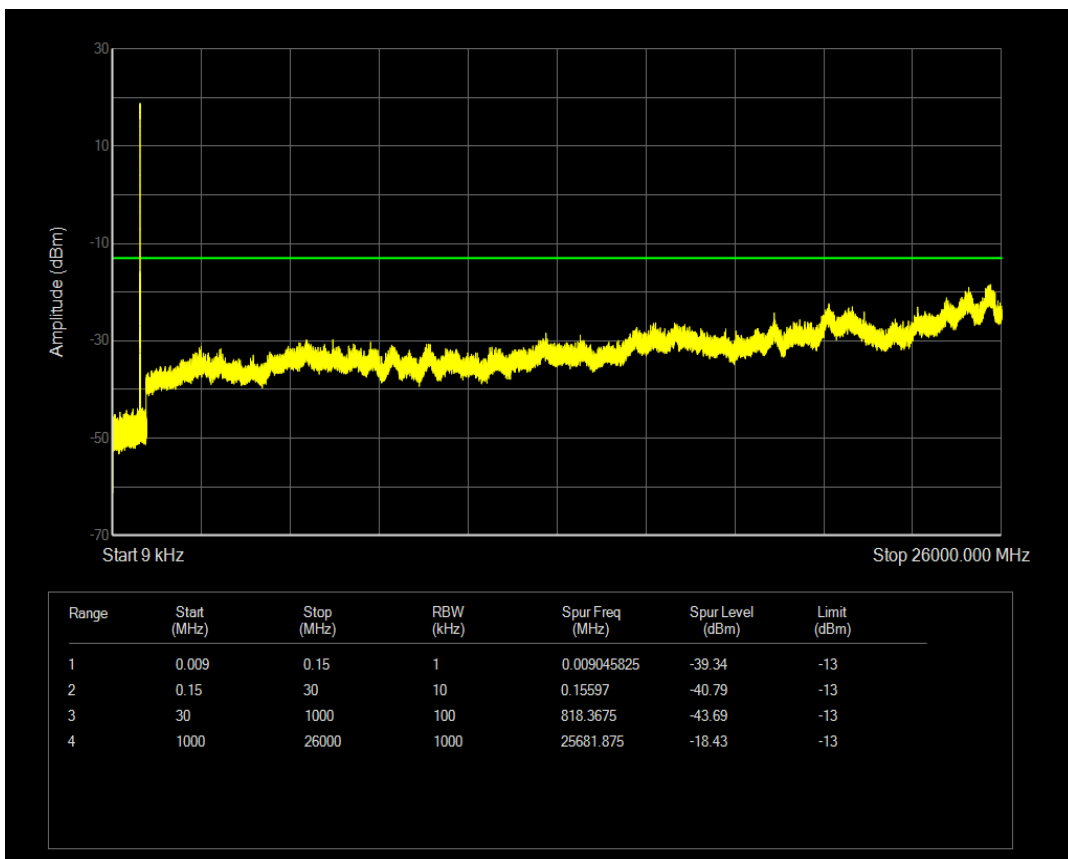
## Appendix 6. Out-of-band emissions

| 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 |
|-------|--------------------|---------------|------------|----------------|------------|--------------------|---------------------|----------------|---------|
| Band5 | 1.4                | 20407         | 6          | #0             | QPSK       | 25655.63           | -18.15              | -13            | PASS    |
| Band5 | 1.4                | 20407         | 6          | #0             | 16QAM      | 25681.88           | -18.43              | -13            | PASS    |
| Band5 | 1.4                | 20525         | 6          | #0             | QPSK       | 25628.75           | -18.56              | -13            | PASS    |
| Band5 | 1.4                | 20525         | 6          | #0             | 16QAM      | 25604.38           | -17.92              | -13            | PASS    |
| Band5 | 1.4                | 20643         | 6          | #0             | QPSK       | 25639.38           | -18.27              | -13            | PASS    |
| Band5 | 1.4                | 20643         | 6          | #0             | 16QAM      | 25535.00           | -18.47              | -13            | PASS    |
| Band5 | 3                  | 20415         | 15         | #0             | QPSK       | 25636.25           | -18.30              | -13            | PASS    |
| Band5 | 3                  | 20415         | 15         | #0             | 16QAM      | 25731.25           | -17.38              | -13            | PASS    |
| Band5 | 3                  | 20525         | 15         | #0             | QPSK       | 25628.75           | -18.16              | -13            | PASS    |
| Band5 | 3                  | 20525         | 15         | #0             | 16QAM      | 25680.63           | -17.75              | -13            | PASS    |
| Band5 | 3                  | 20635         | 15         | #0             | QPSK       | 25663.75           | -18.06              | -13            | PASS    |
| Band5 | 3                  | 20635         | 15         | #0             | 16QAM      | 25620.00           | -16.83              | -13            | PASS    |
| Band5 | 5                  | 20425         | 25         | #0             | QPSK       | 25692.50           | -17.91              | -13            | PASS    |
| Band5 | 5                  | 20425         | 25         | #0             | 16QAM      | 25631.25           | -18.20              | -13            | PASS    |
| Band5 | 5                  | 20525         | 25         | #0             | QPSK       | 25608.75           | -17.96              | -13            | PASS    |
| Band5 | 5                  | 20525         | 25         | #0             | 16QAM      | 25616.88           | -18.64              | -13            | PASS    |
| Band5 | 5                  | 20625         | 25         | #0             | QPSK       | 25591.88           | -18.15              | -13            | PASS    |
| Band5 | 5                  | 20625         | 25         | #0             | 16QAM      | 25608.13           | -17.70              | -13            | PASS    |
| Band5 | 10                 | 20450         | 50         | #0             | QPSK       | 25633.75           | -18.17              | -13            | PASS    |
| Band5 | 10                 | 20450         | 50         | #0             | 16QAM      | 25623.13           | -18.13              | -13            | PASS    |
| Band5 | 10                 | 20525         | 50         | #0             | QPSK       | 25633.75           | -17.61              | -13            | PASS    |
| Band5 | 10                 | 20525         | 50         | #0             | 16QAM      | 25519.38           | -18.02              | -13            | PASS    |
| Band5 | 10                 | 20600         | 50         | #0             | QPSK       | 25665.00           | -18.26              | -13            | PASS    |
| Band5 | 10                 | 20600         | 50         | #0             | 16QAM      | 25703.13           | -18.16              | -13            | PASS    |

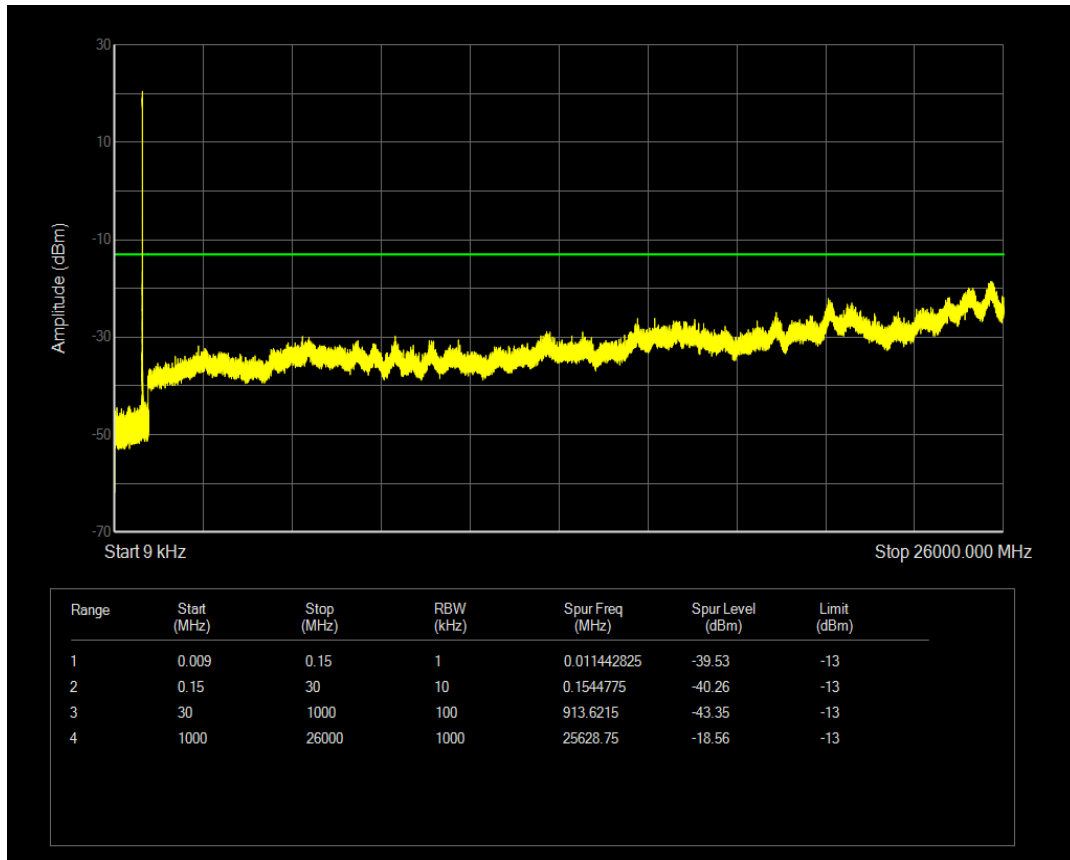
Band5 QPSK BW=1.4MHz Channel=20407 RB Size=6 Position=#0



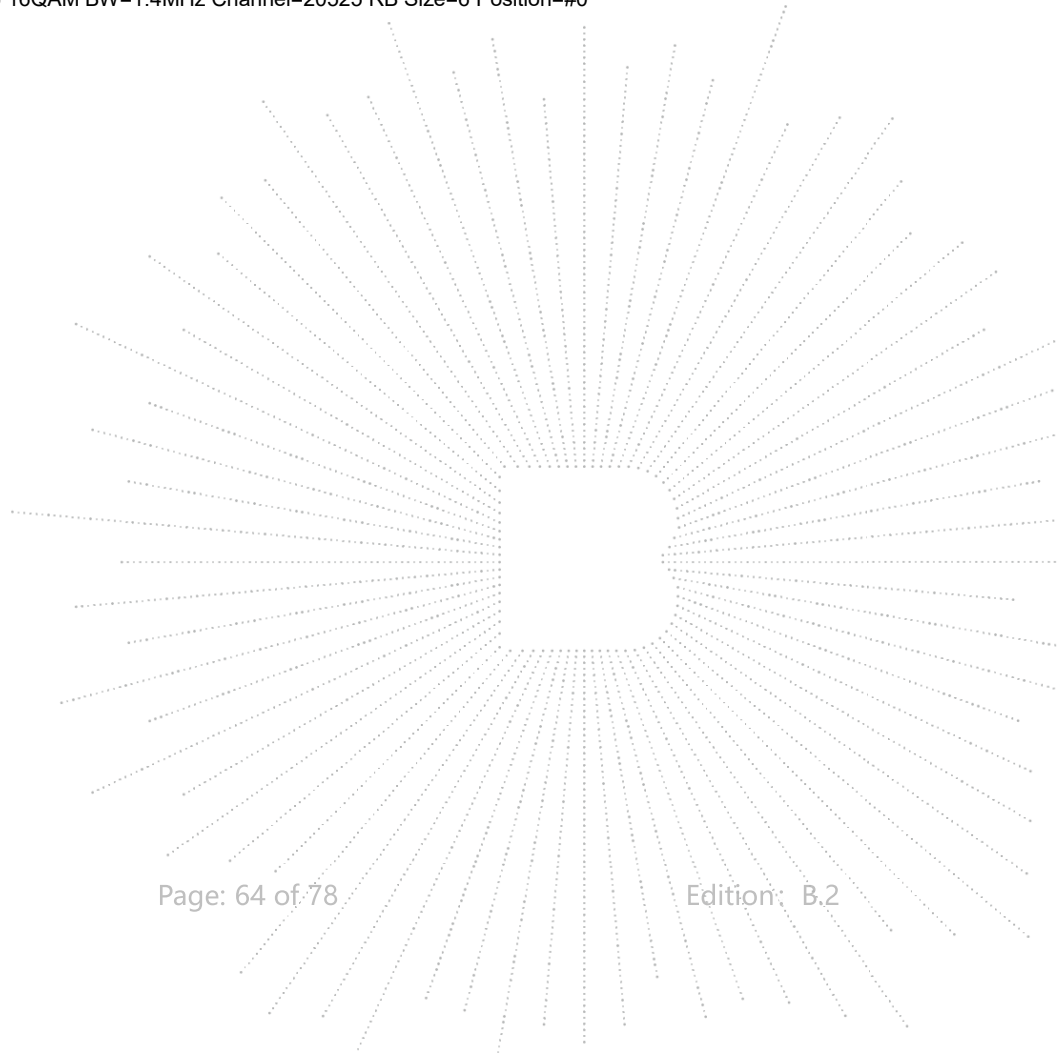
Band5 16QAM BW=1.4MHz Channel=20407 RB Size=6 Position=#0

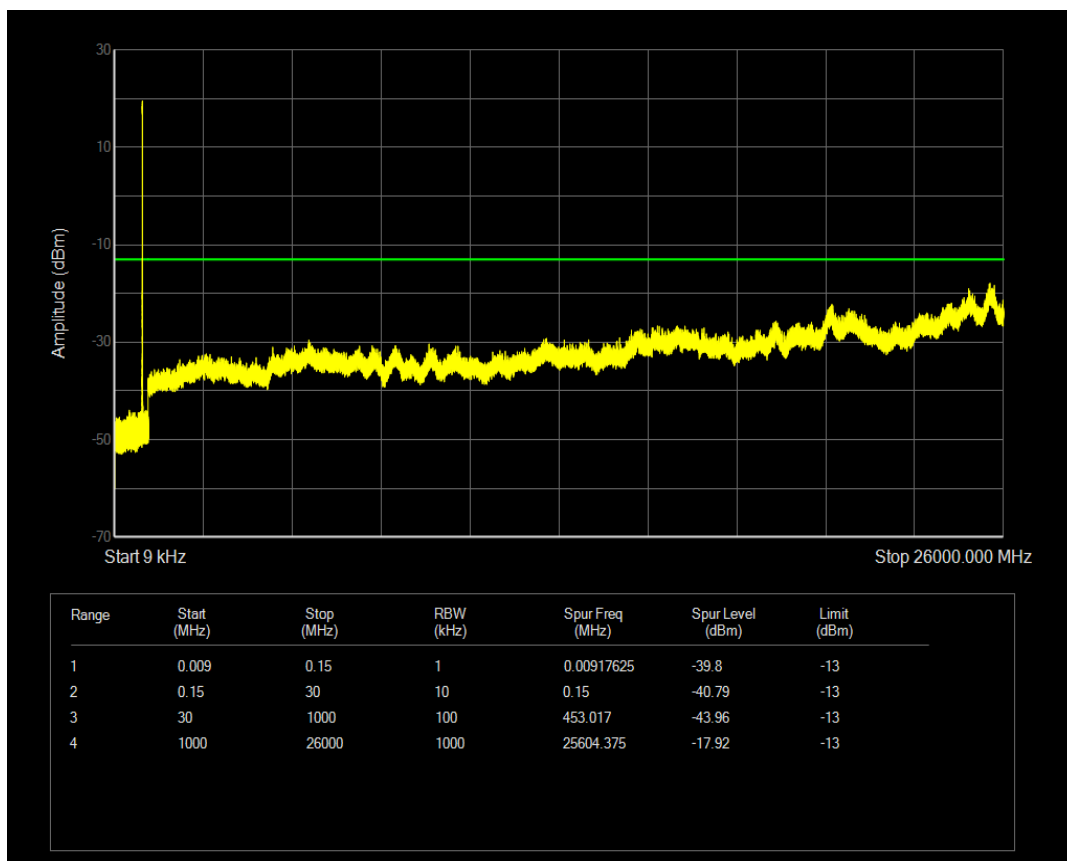


Band5 QPSK BW=1.4MHz Channel=20525 RB Size=6 Position=#0

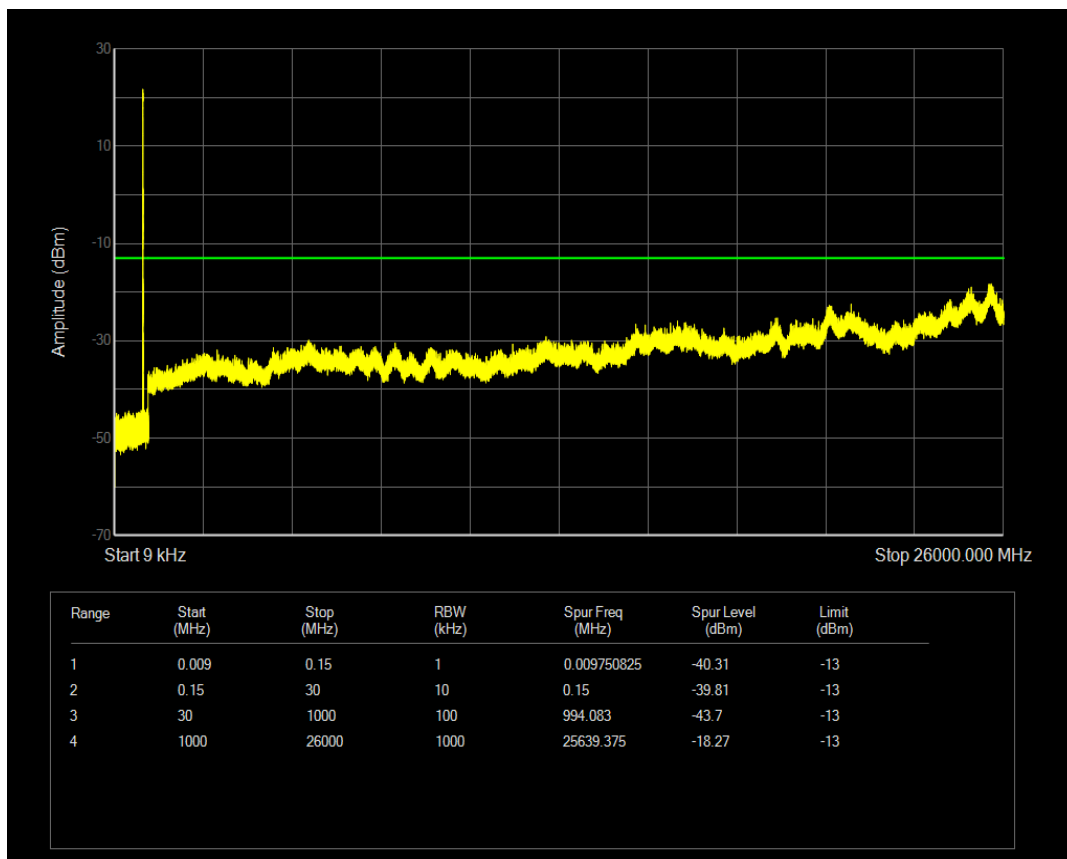


Band5 16QAM BW=1.4MHz Channel=20525 RB Size=6 Position=#0

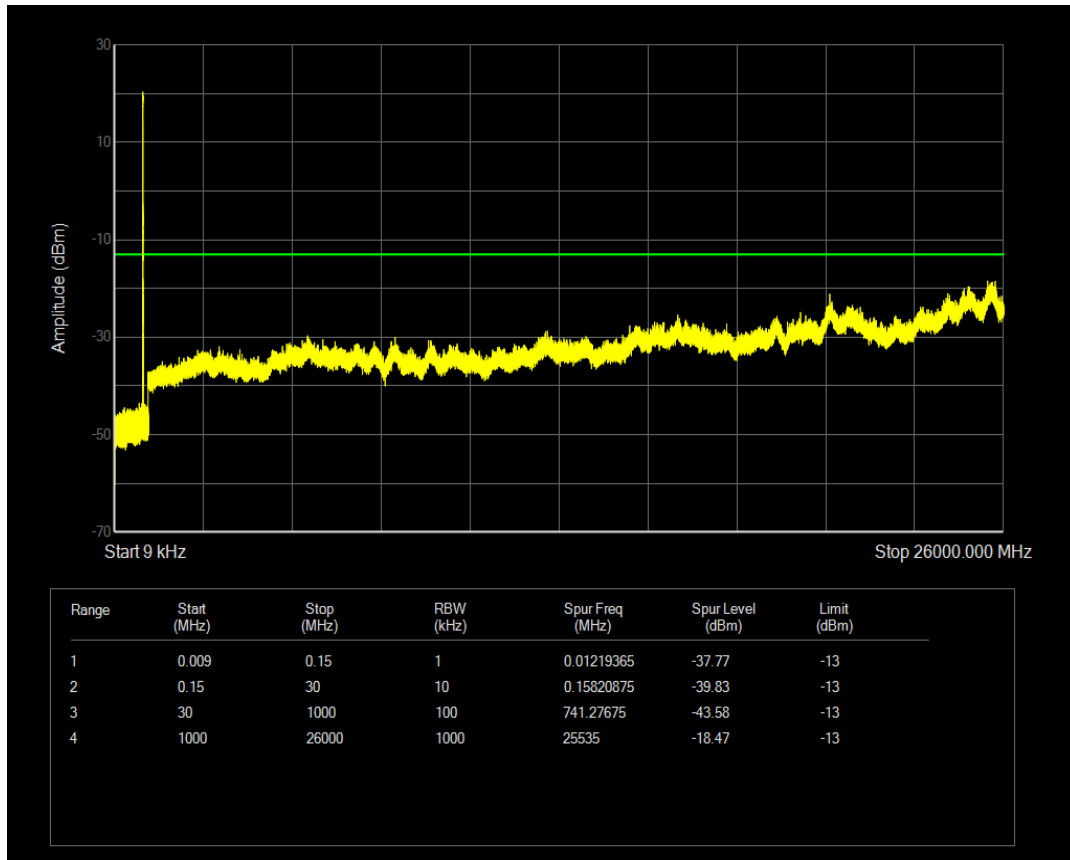




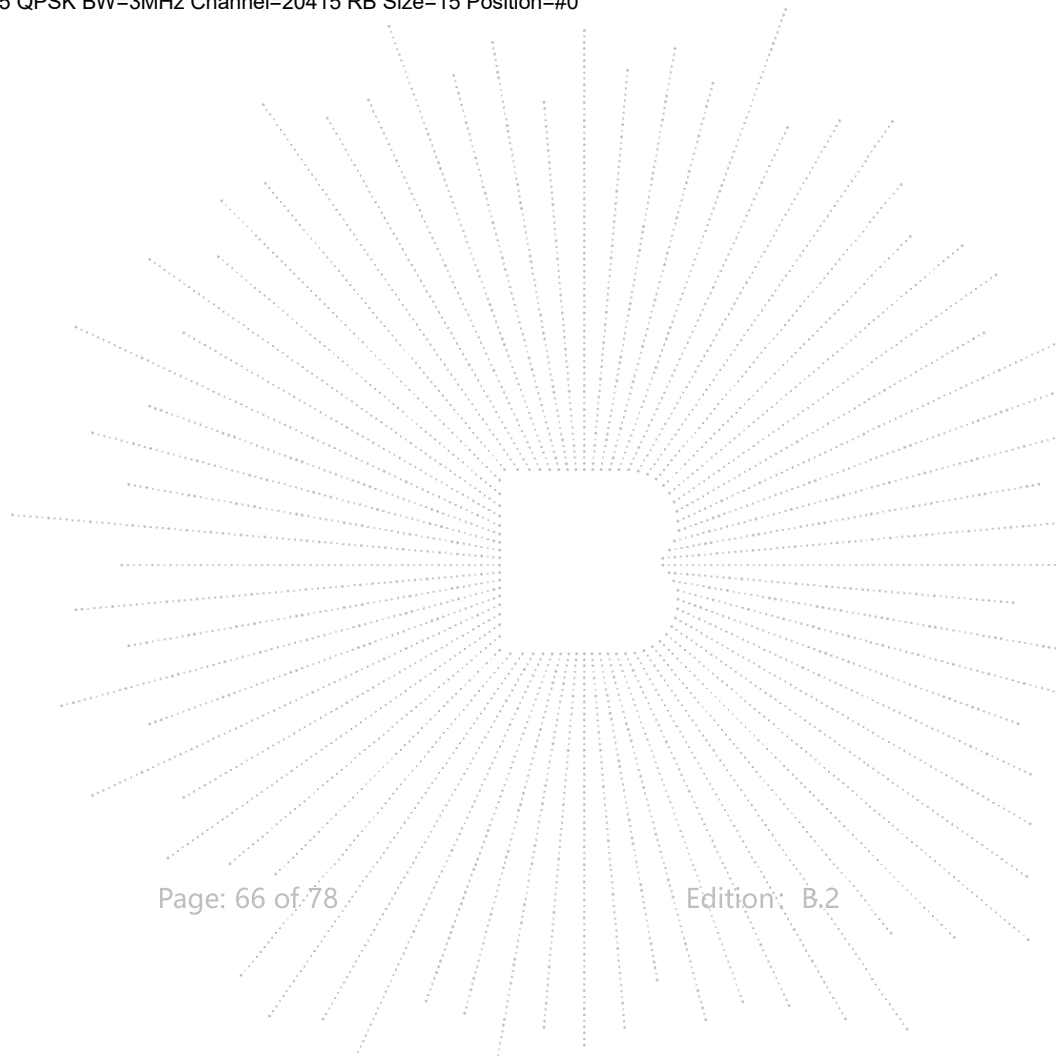
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=6 Position=#0

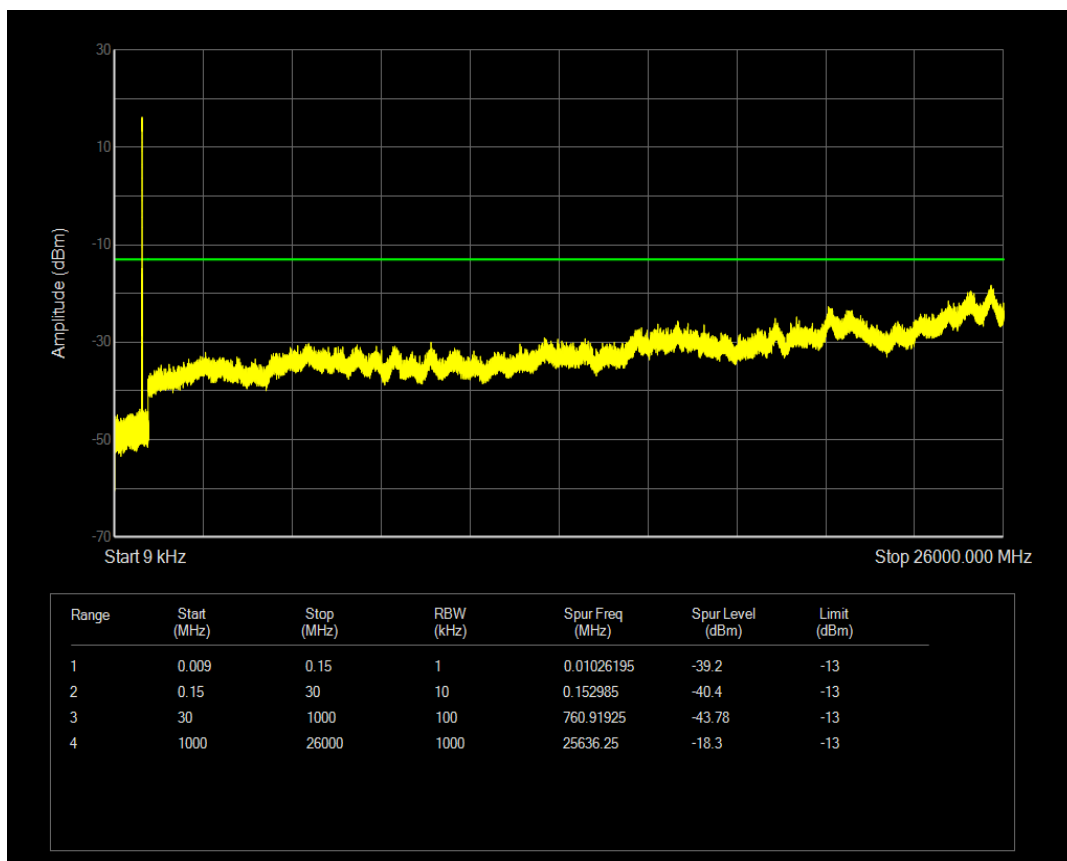


Band5 16QAM BW=1.4MHz Channel=20643 RB Size=6 Position=#0

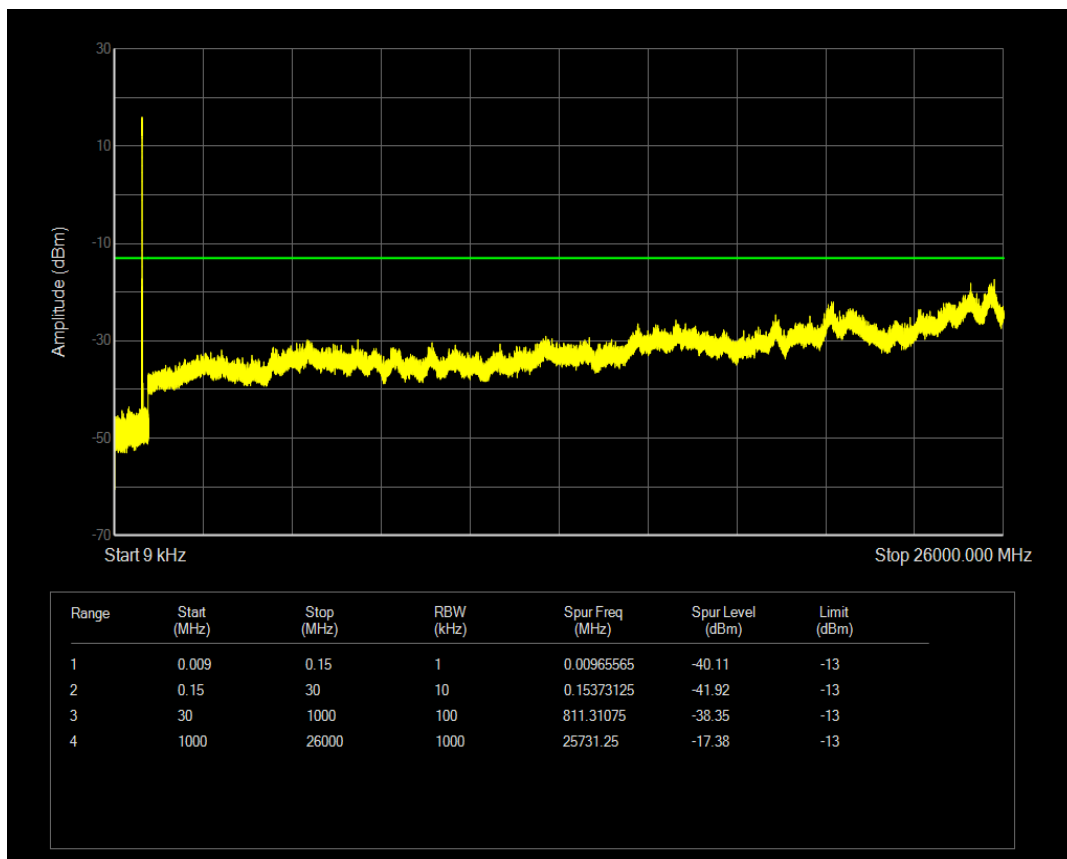


Band5 QPSK BW=3MHz Channel=20415 RB Size=15 Position=#0

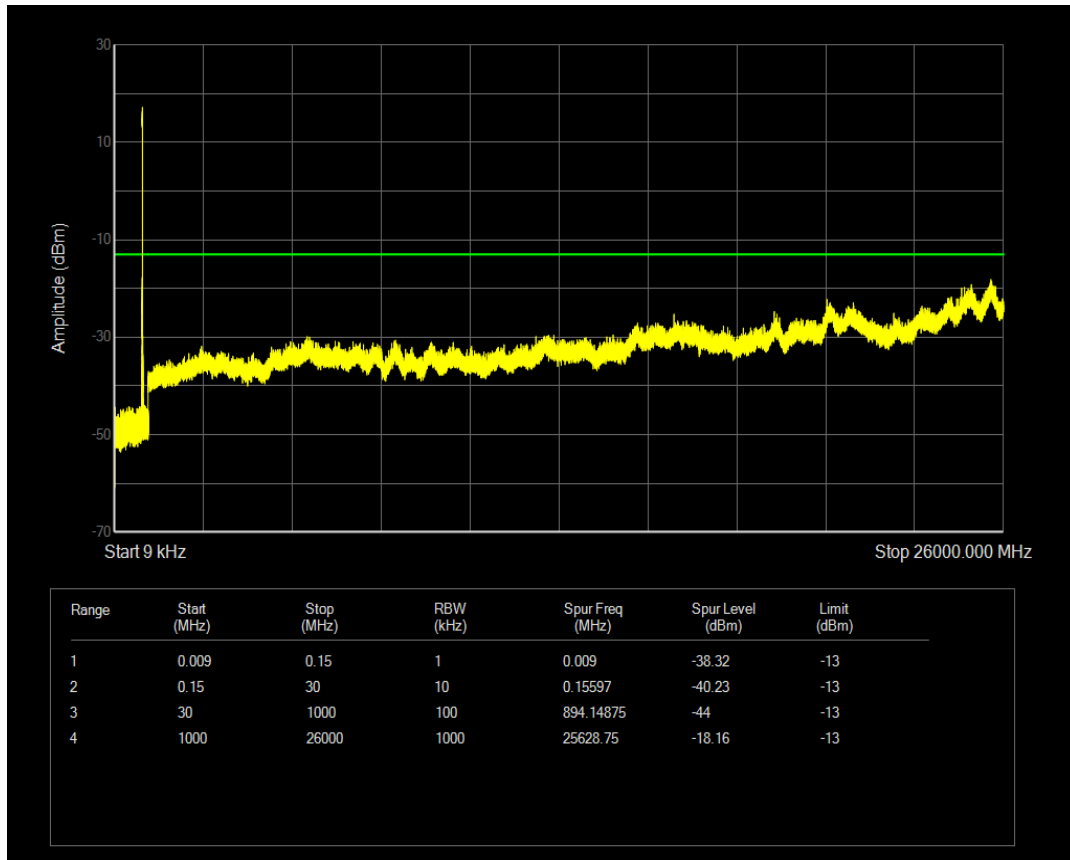




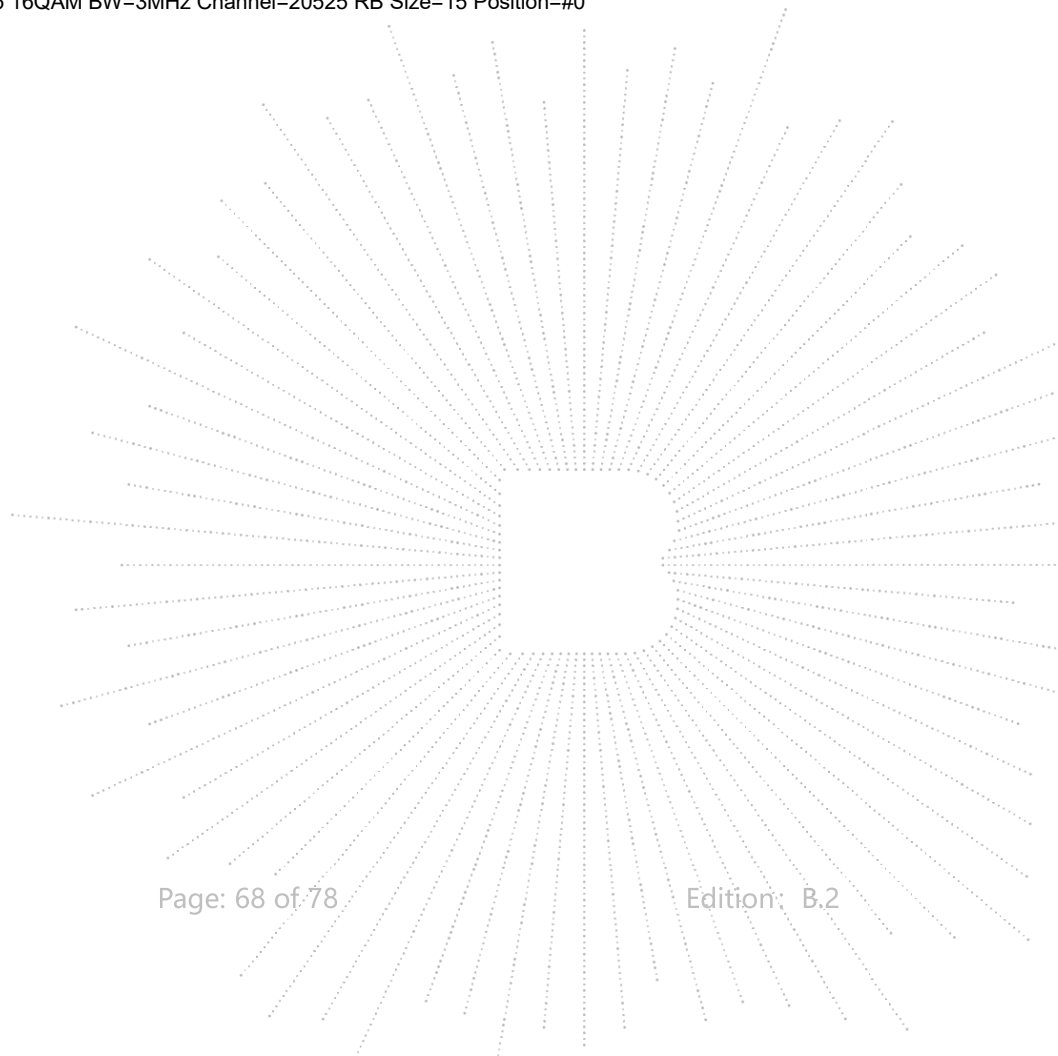
Band5 16QAM BW=3MHz Channel=20415 RB Size=15 Position=#0

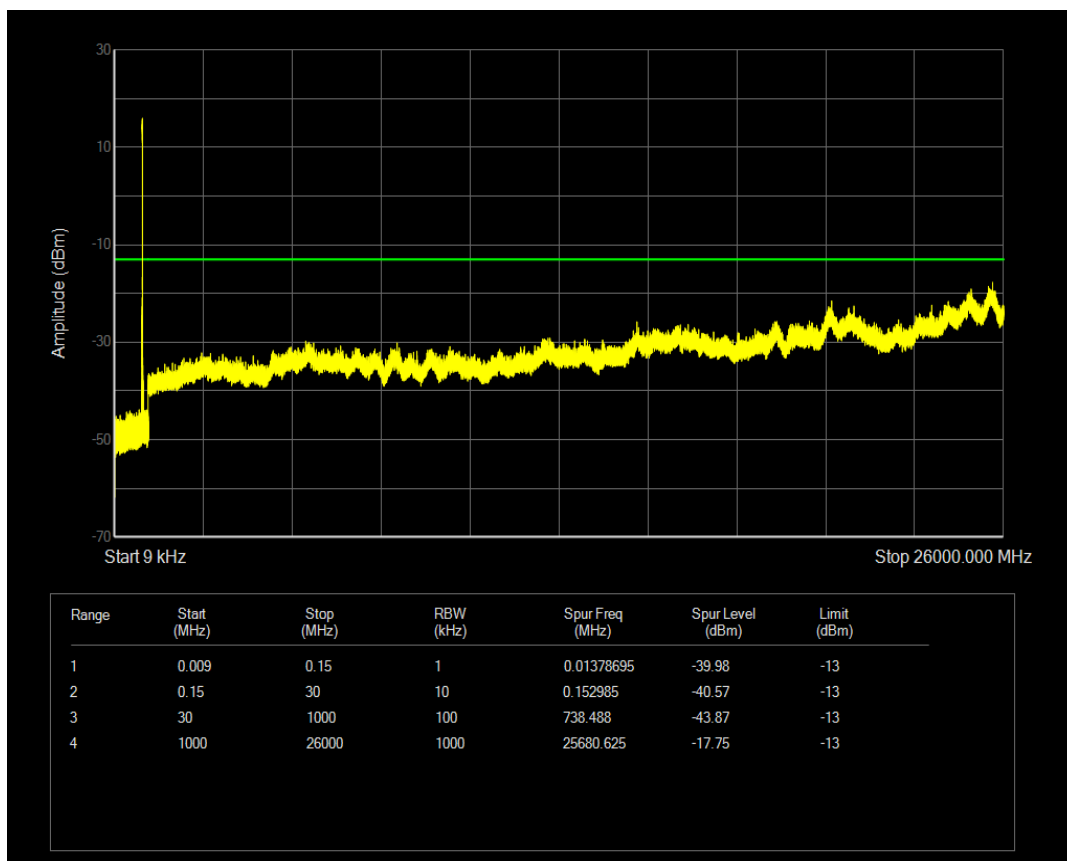


Band5 QPSK BW=3MHz Channel=20525 RB Size=15 Position=#0

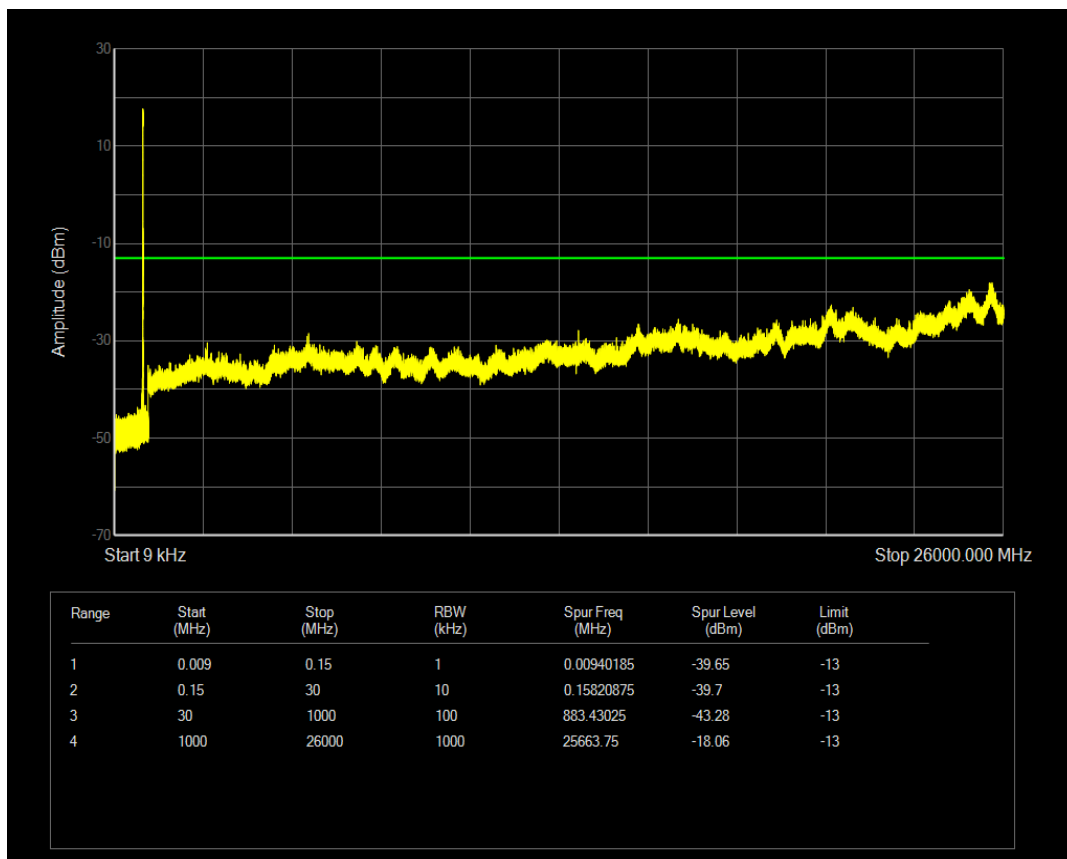


Band5 16QAM BW=3MHz Channel=20525 RB Size=15 Position=#0

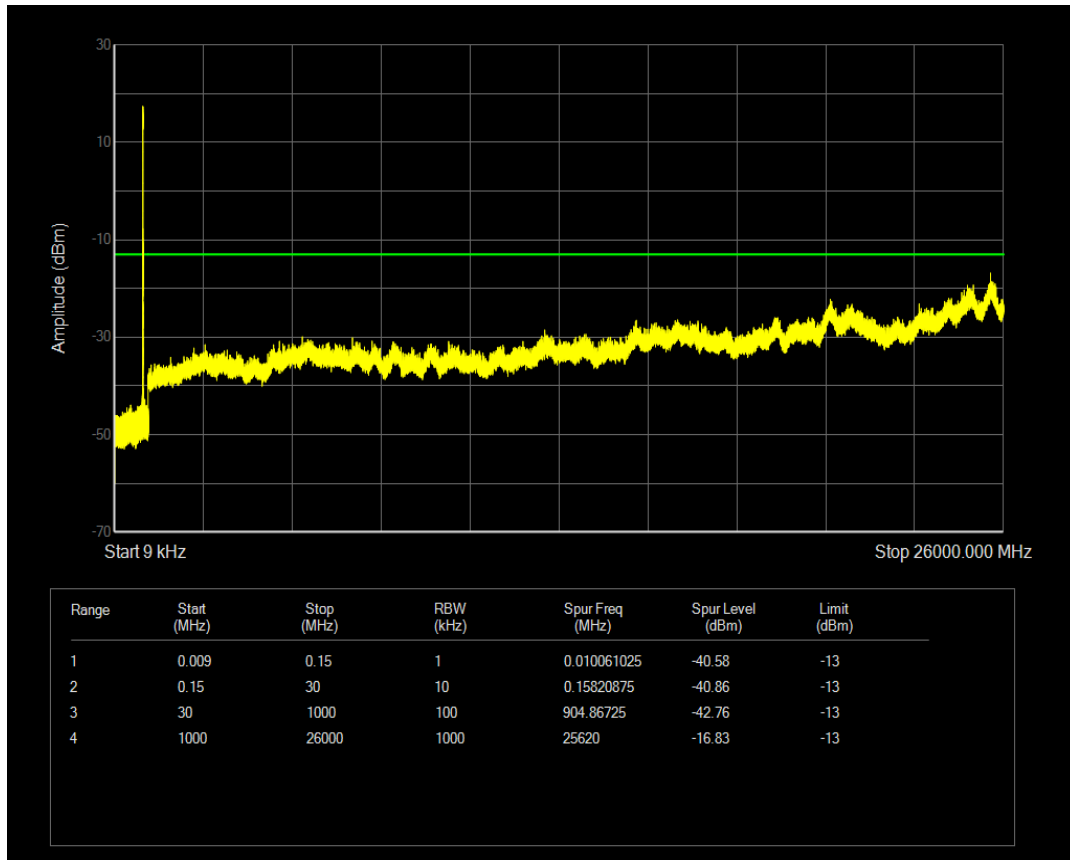




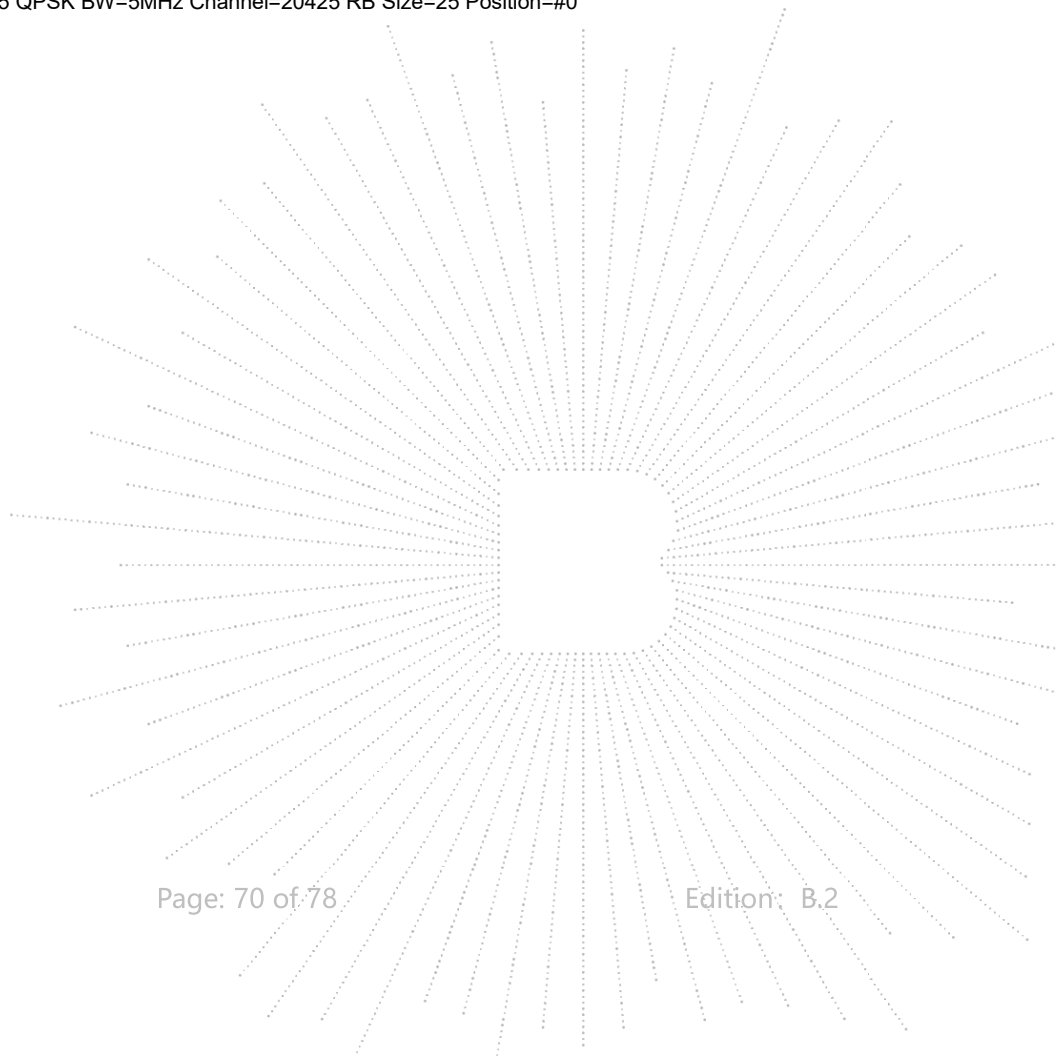
Band5 QPSK BW=3MHz Channel=20635 RB Size=15 Position=#0

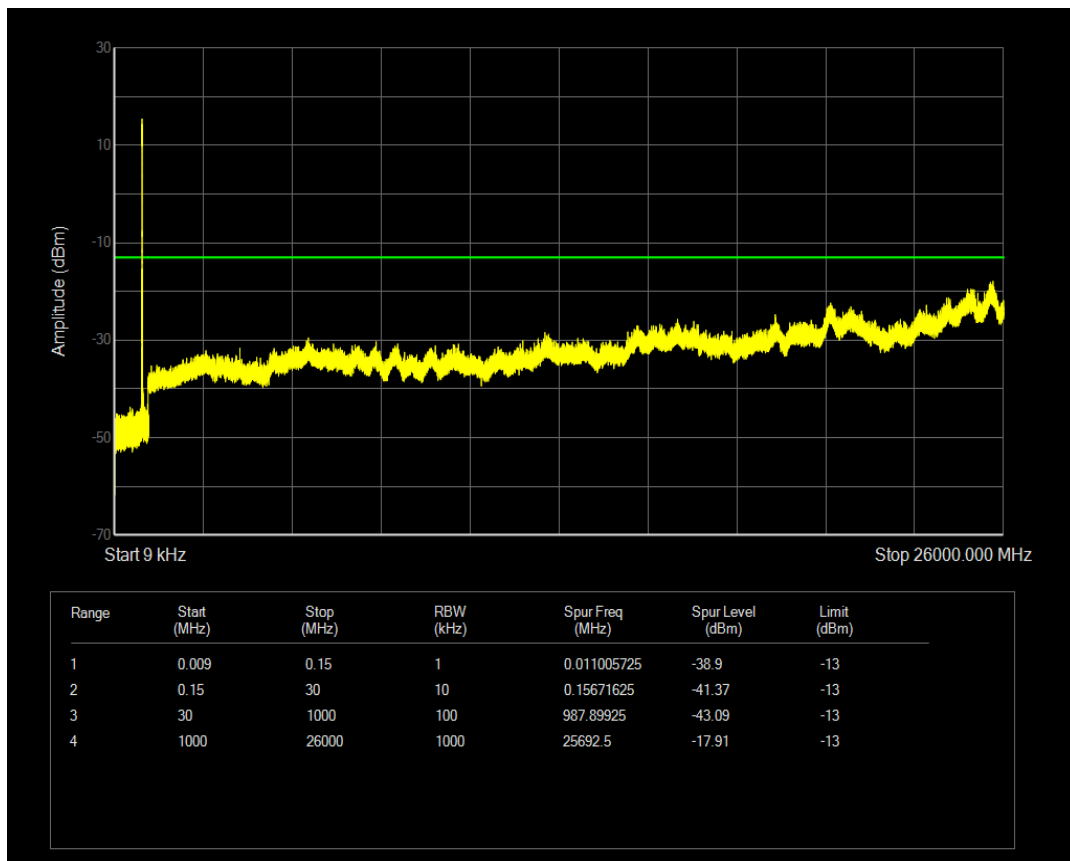


Band5 16QAM BW=3MHz Channel=20635 RB Size=15 Position=#0

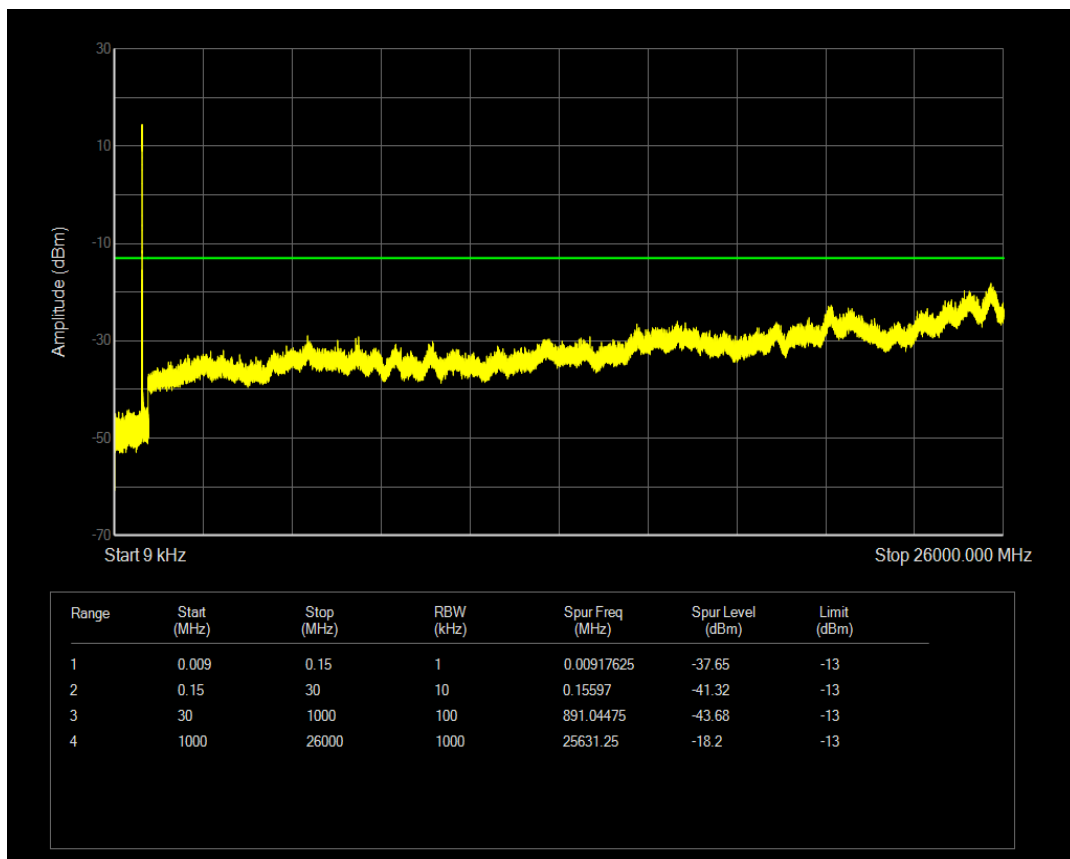


Band5 QPSK BW=5MHz Channel=20425 RB Size=25 Position=#0

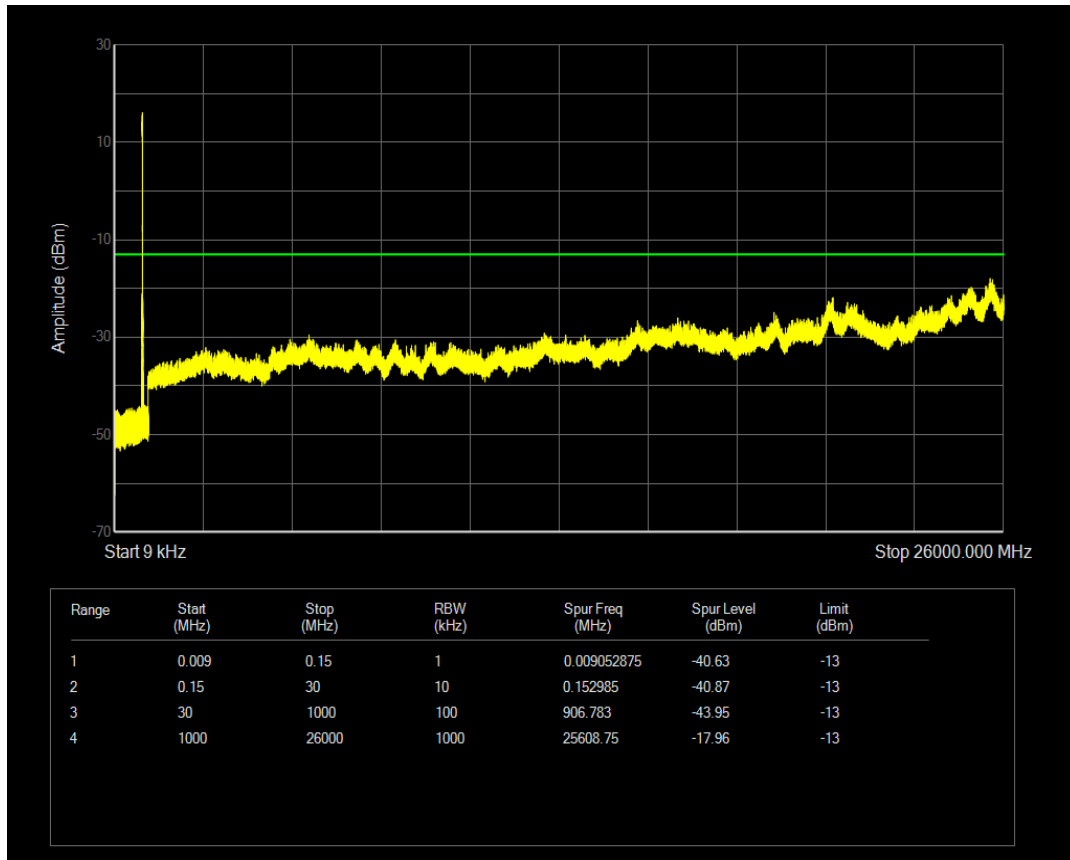




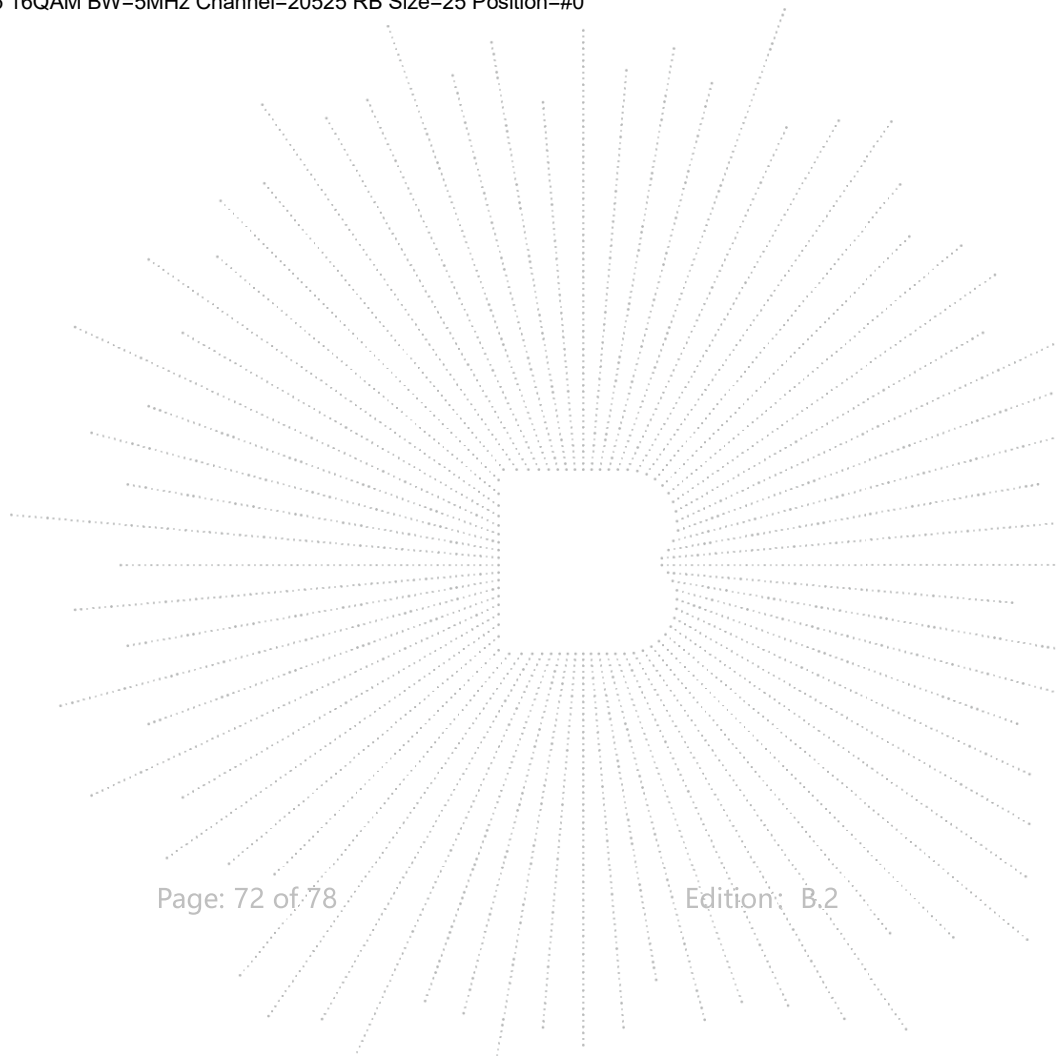
Band5 16QAM BW=5MHz Channel=20425 RB Size=25 Position=#0

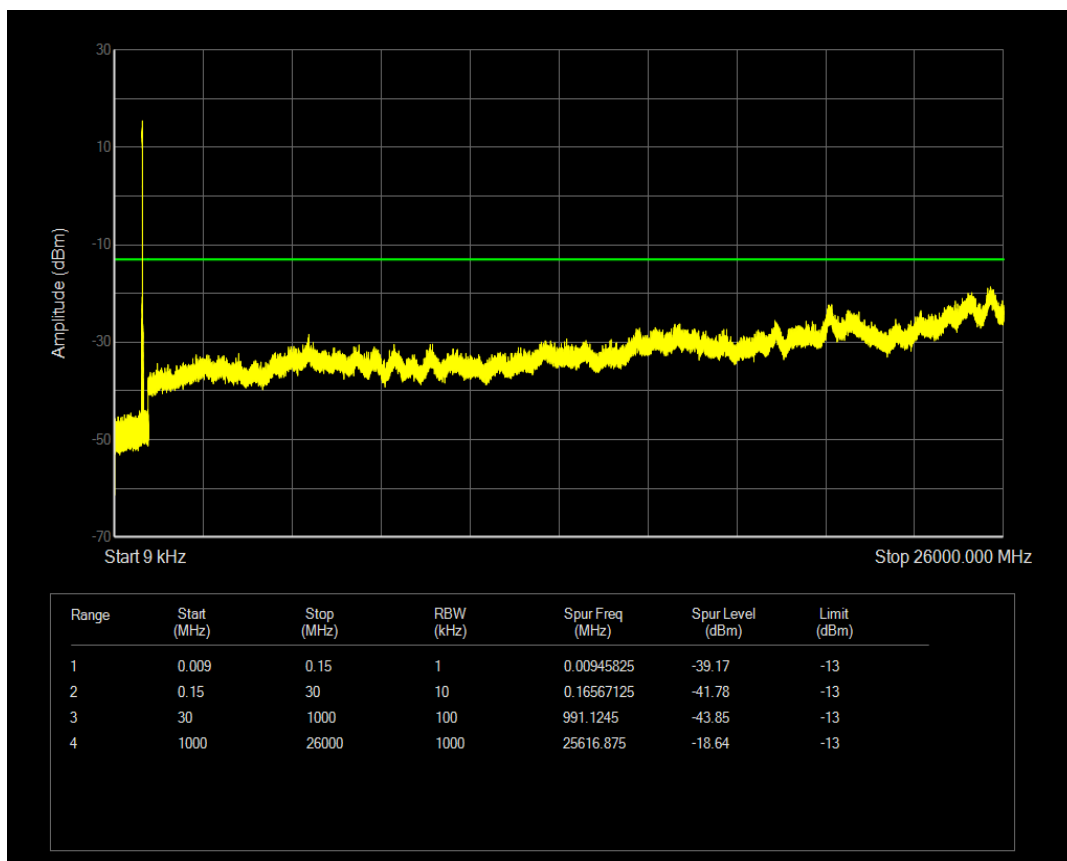


Band5 QPSK BW=5MHz Channel=20525 RB Size=25 Position=#0

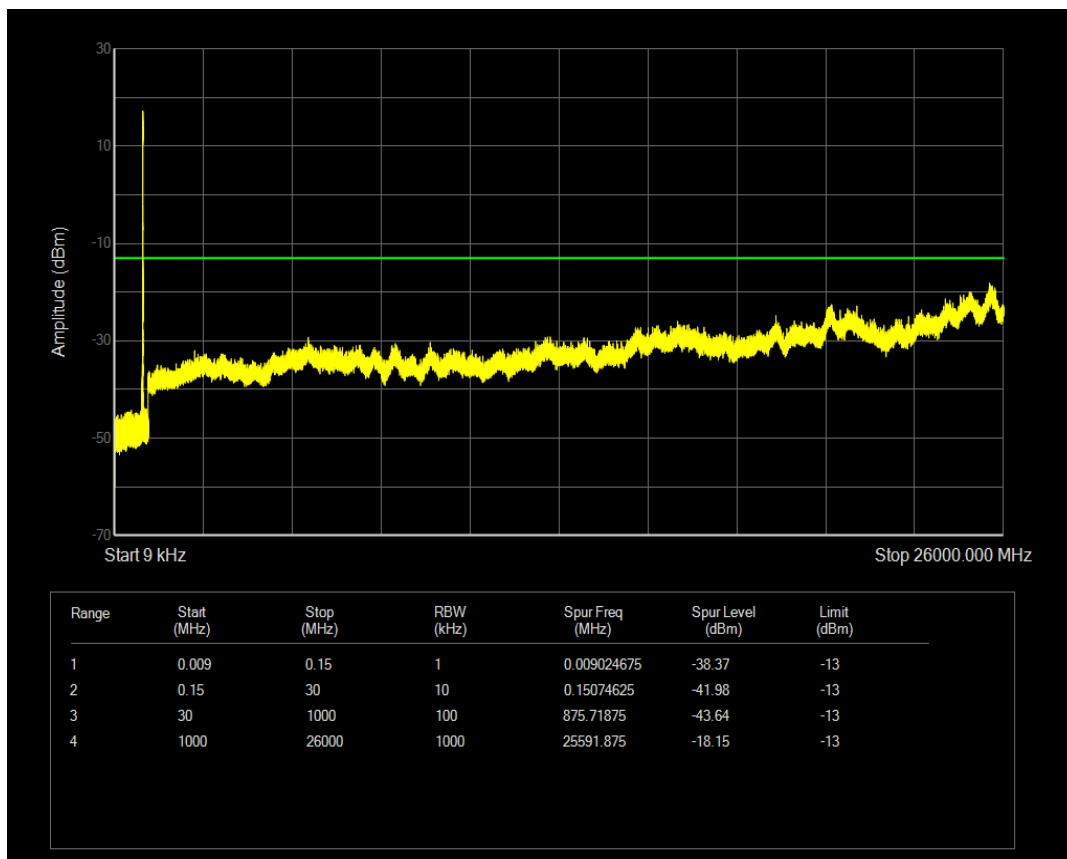


Band5 16QAM BW=5MHz Channel=20525 RB Size=25 Position=#0

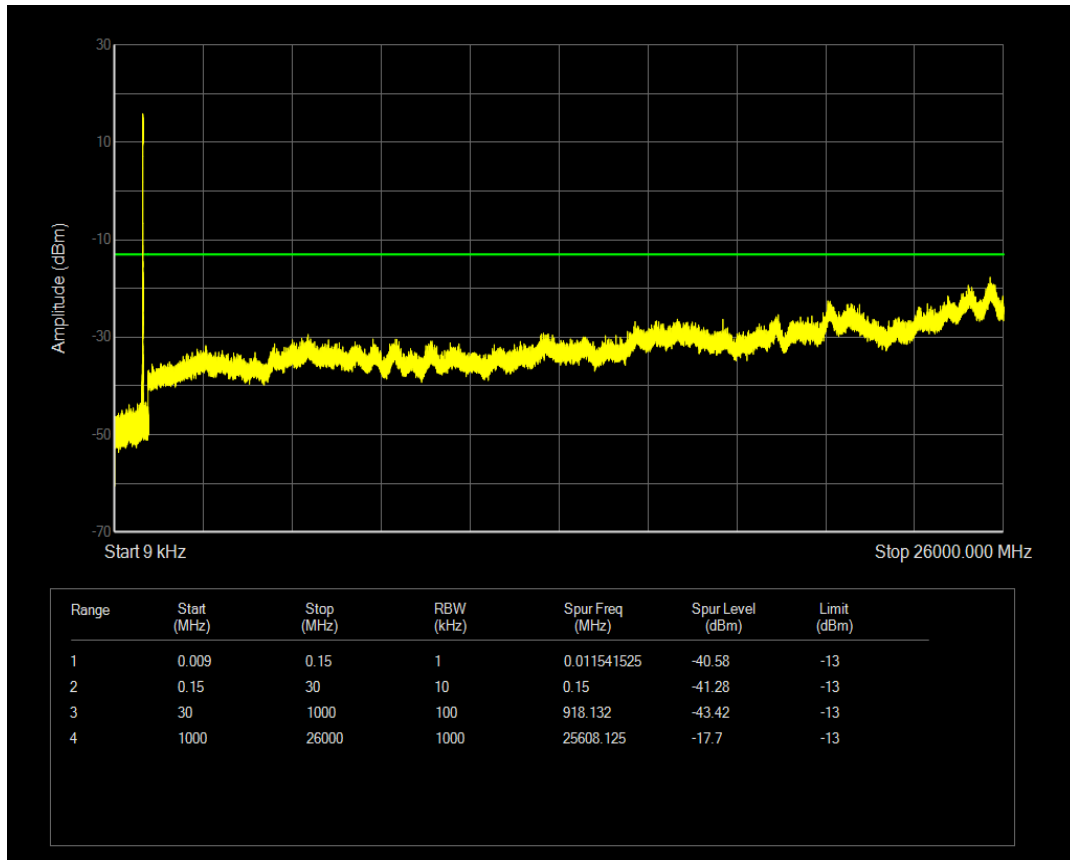




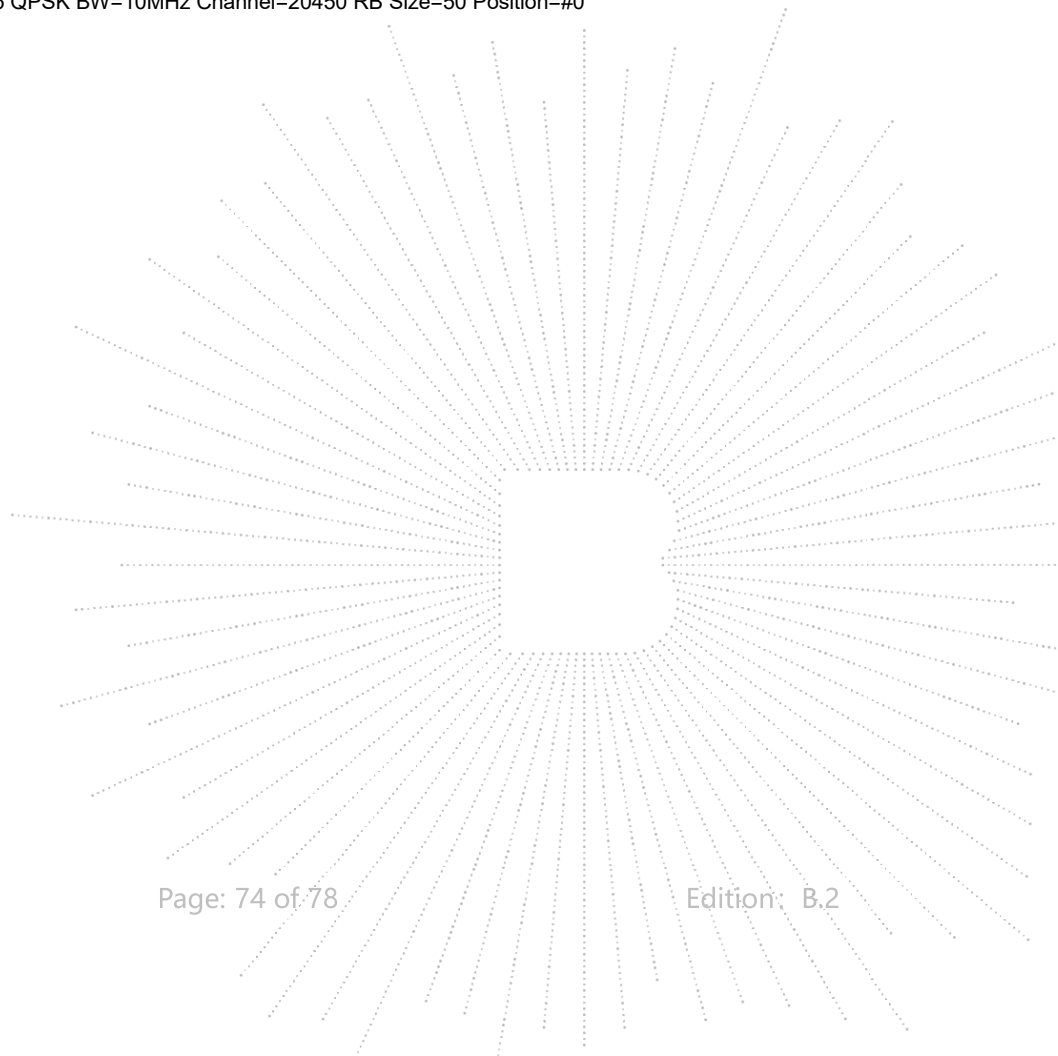
Band5 QPSK BW=5MHz Channel=20625 RB Size=25 Position=#0

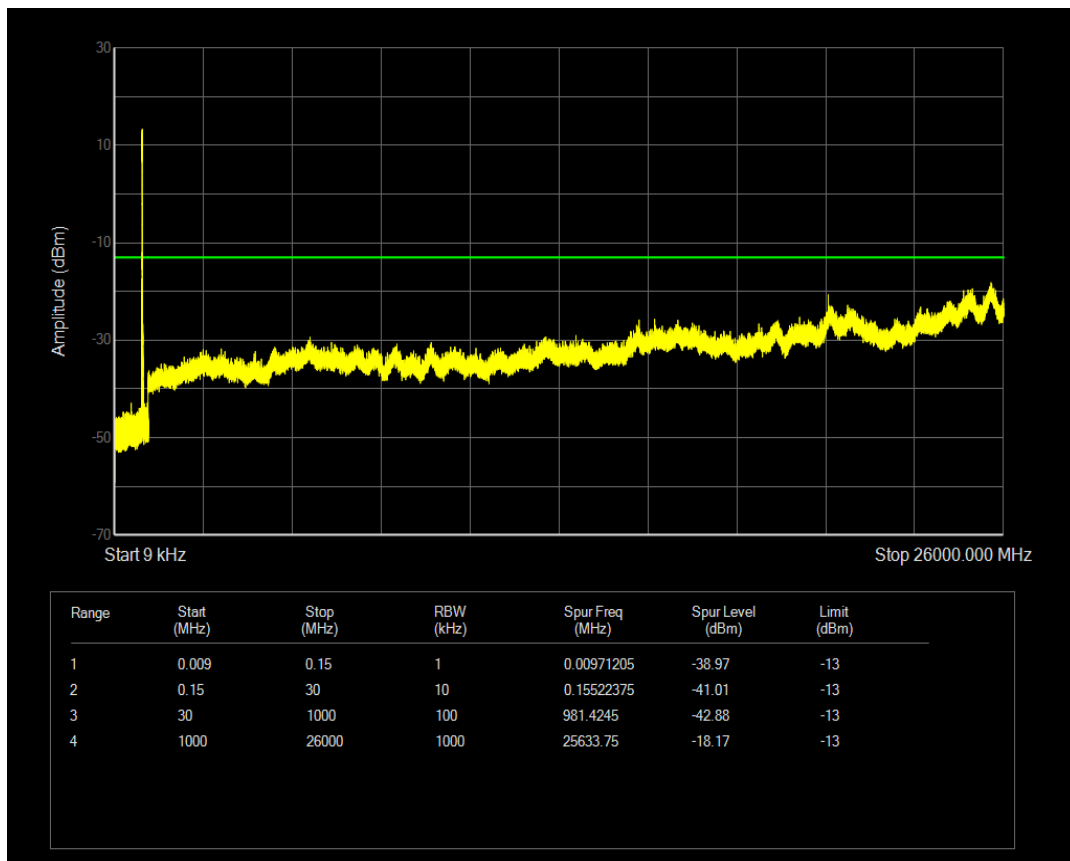


Band5 16QAM BW=5MHz Channel=20625 RB Size=25 Position=#0

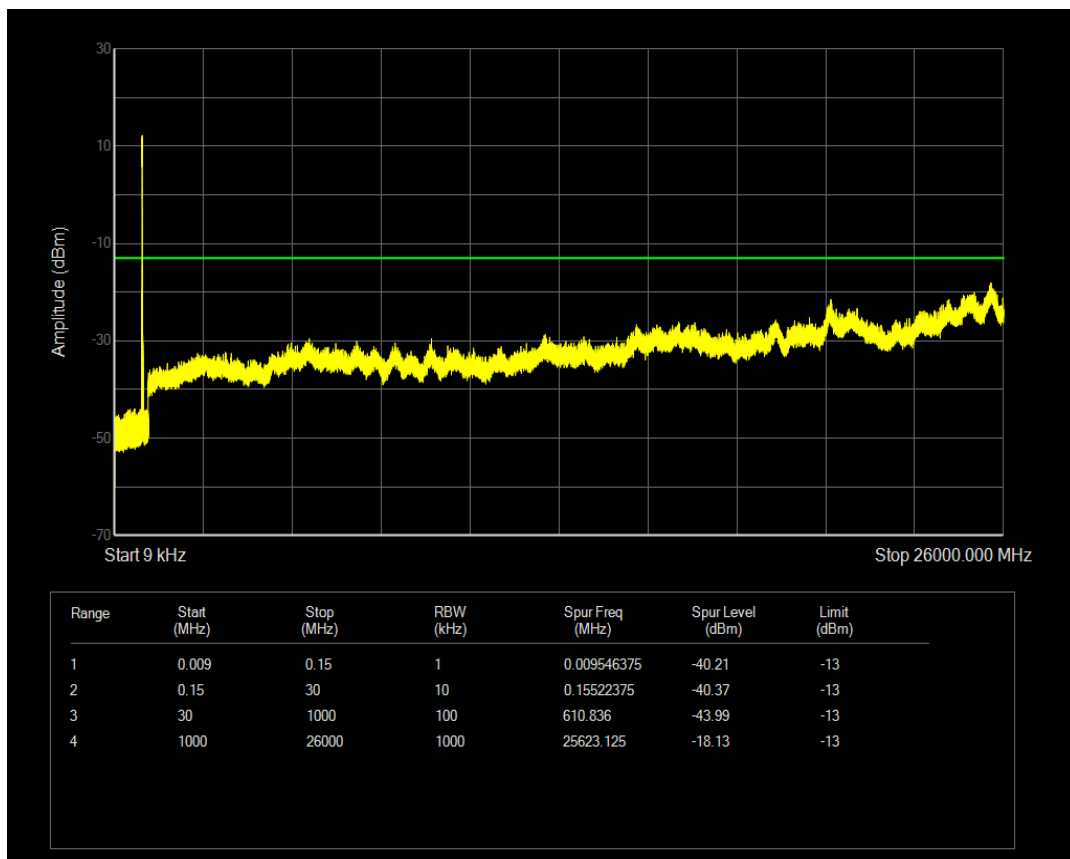


Band5 QPSK BW=10MHz Channel=20450 RB Size=50 Position=#0

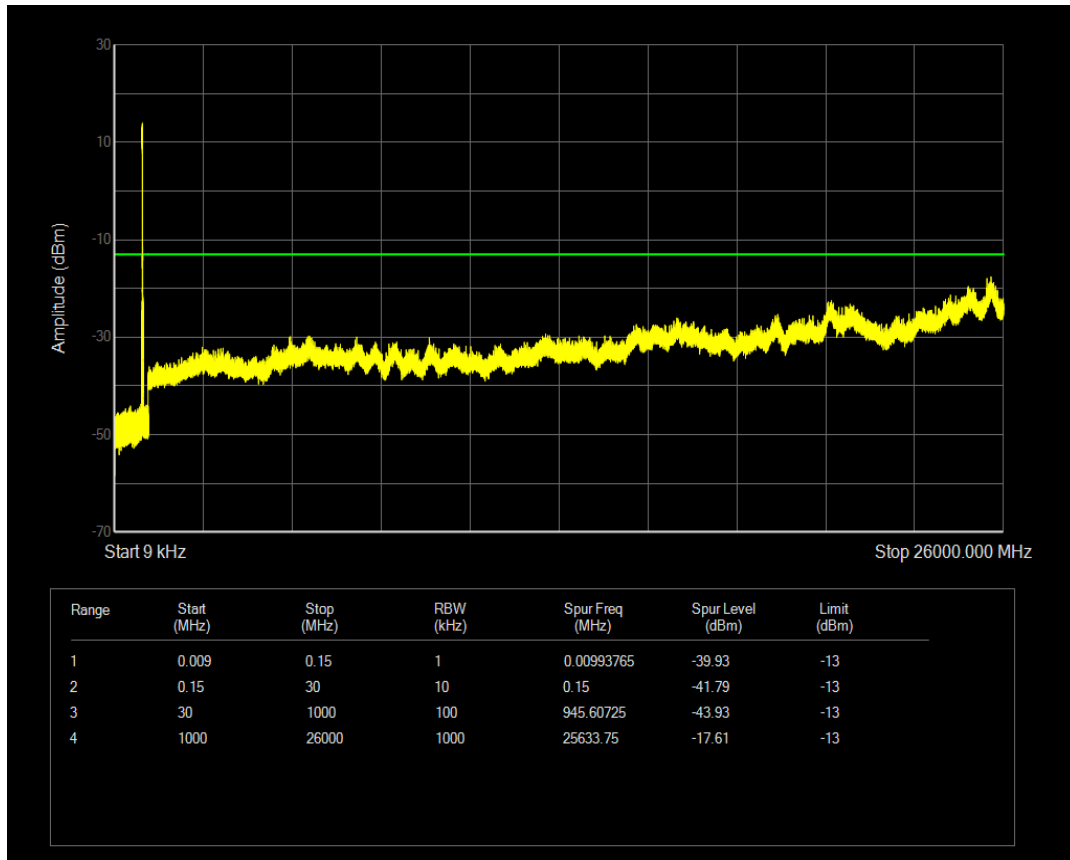




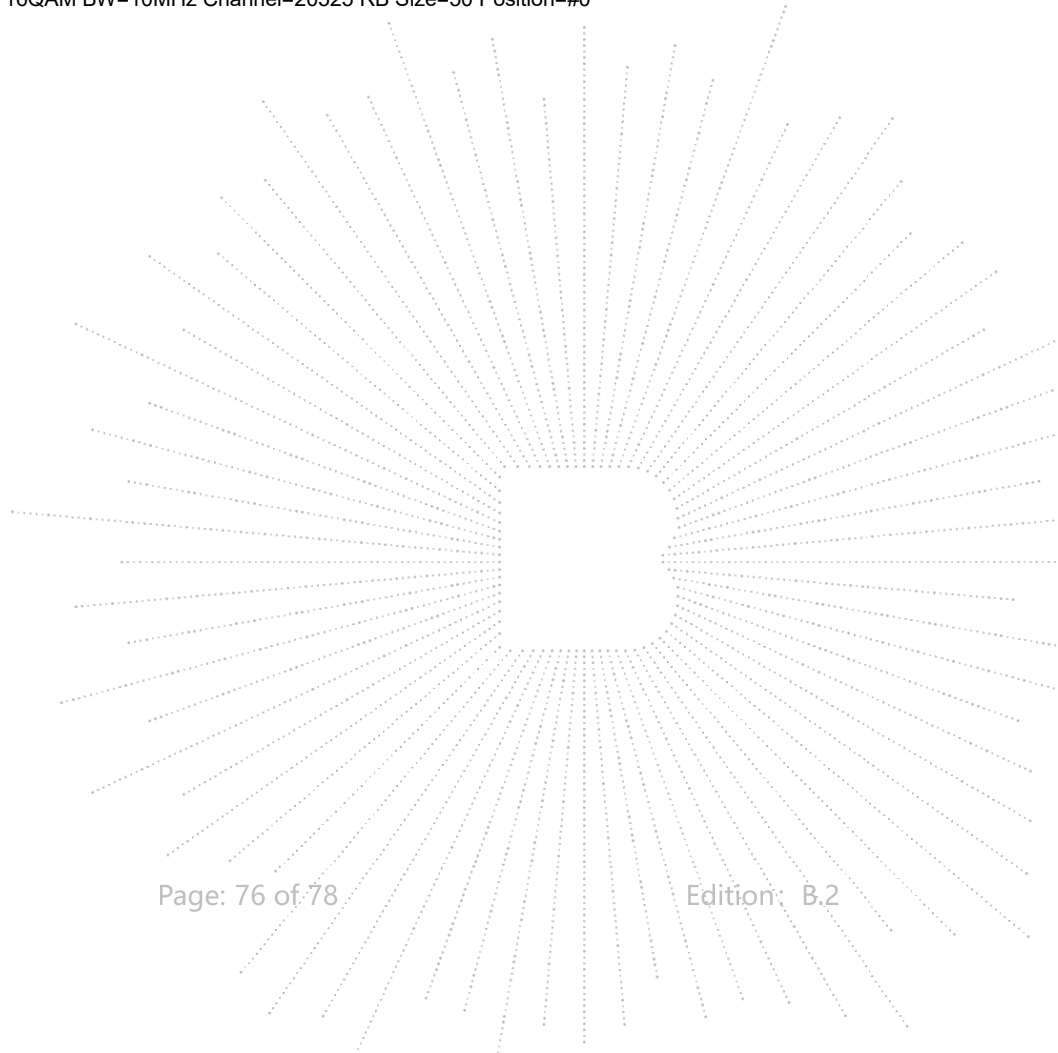
Band5 16QAM BW=10MHz Channel=20450 RB Size=50 Position=#0

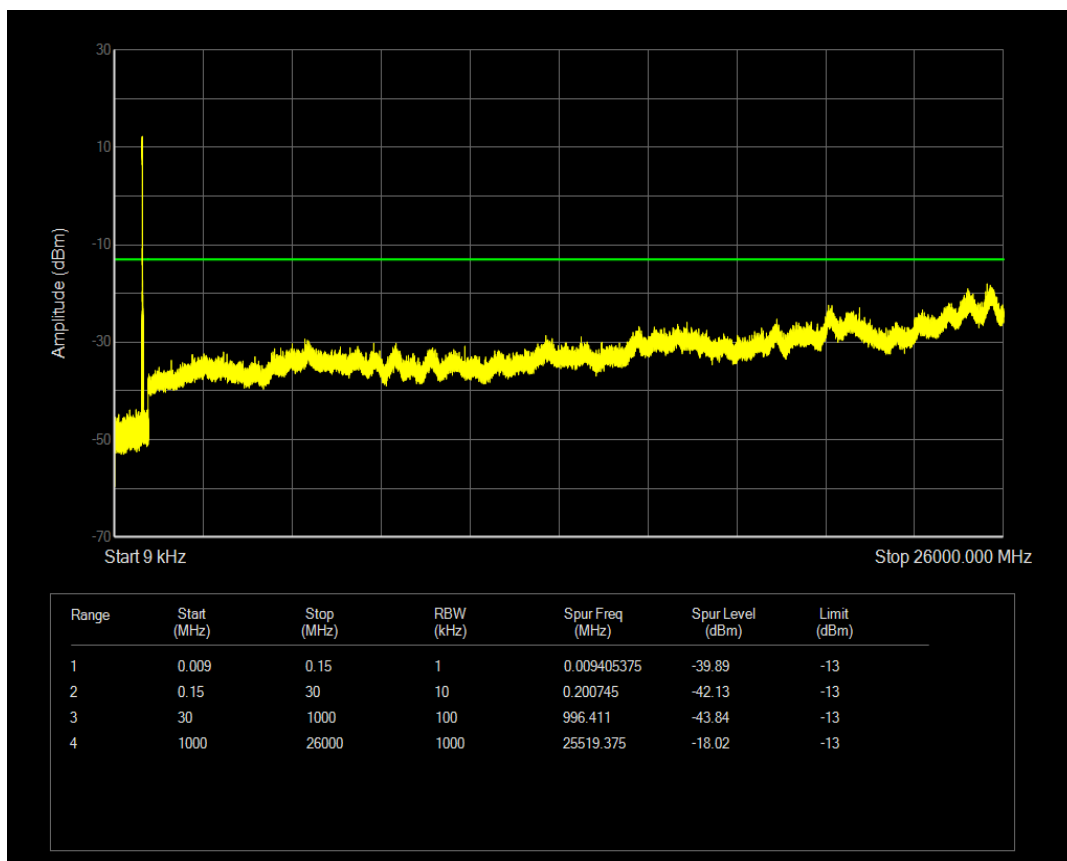


Band5 QPSK BW=10MHz Channel=20525 RB Size=50 Position=#0

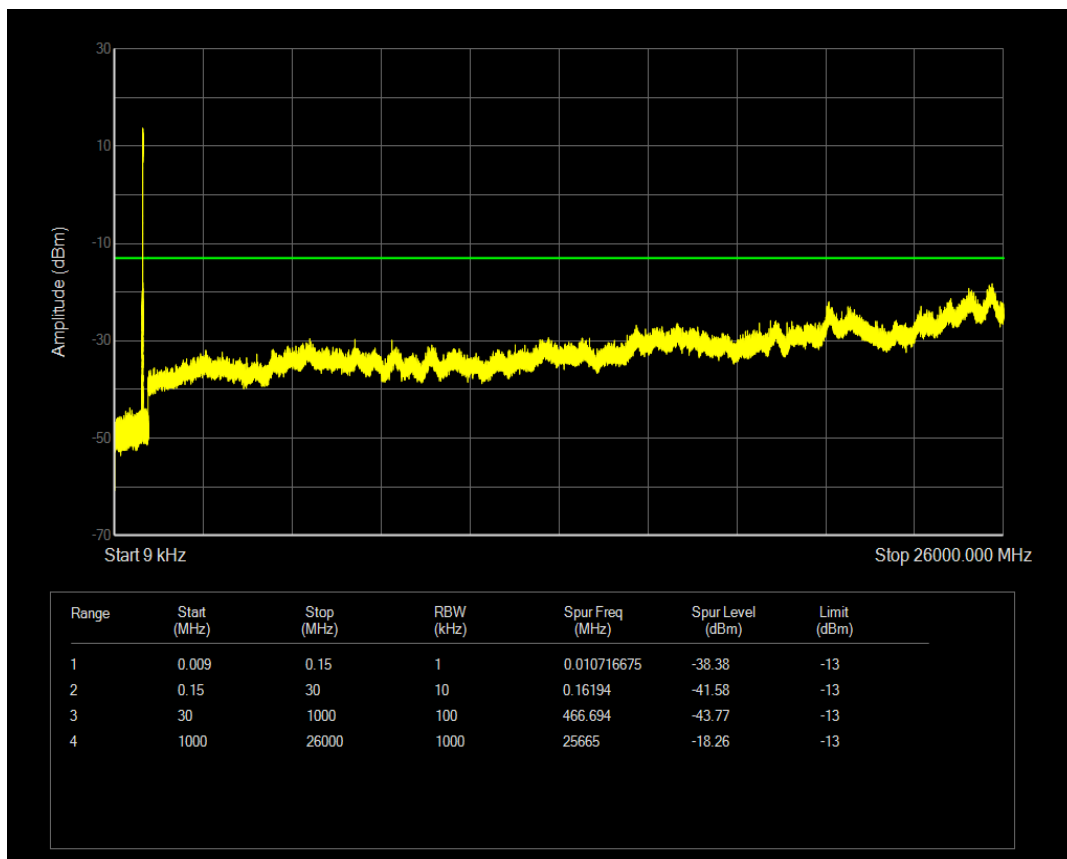


Band5 16QAM BW=10MHz Channel=20525 RB Size=50 Position=#0



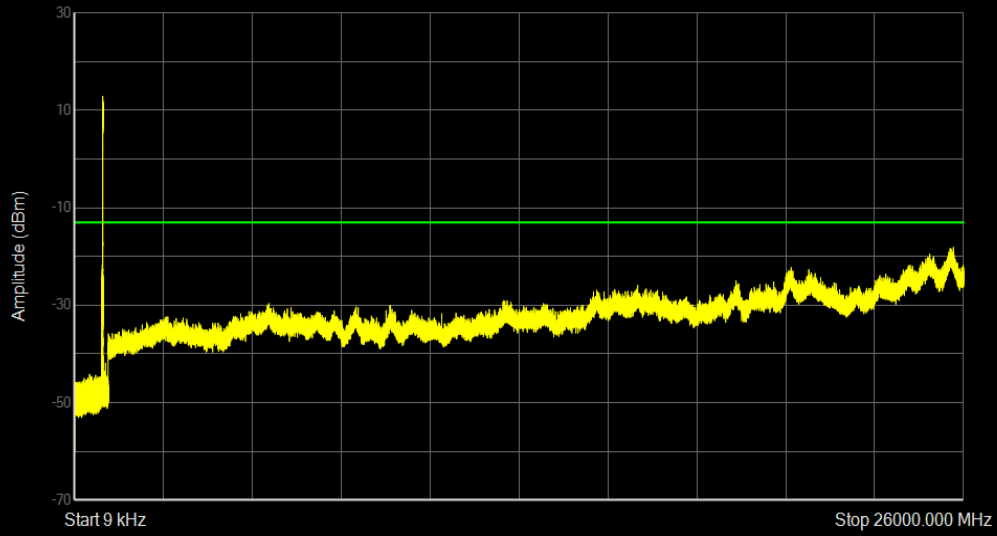


Band5 QPSK BW=10MHz Channel=20600 RB Size=50 Position=#0





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



| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.0162051       | -40.78           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15373125      | -40.34           | -13         |
| 3     | 30          | 1000       | 100       | 926.959         | -41.89           | -13         |
| 4     | 1000        | 26000      | 1000      | 25703.125       | -18.16           | -13         |