

# Appendix for Band 7

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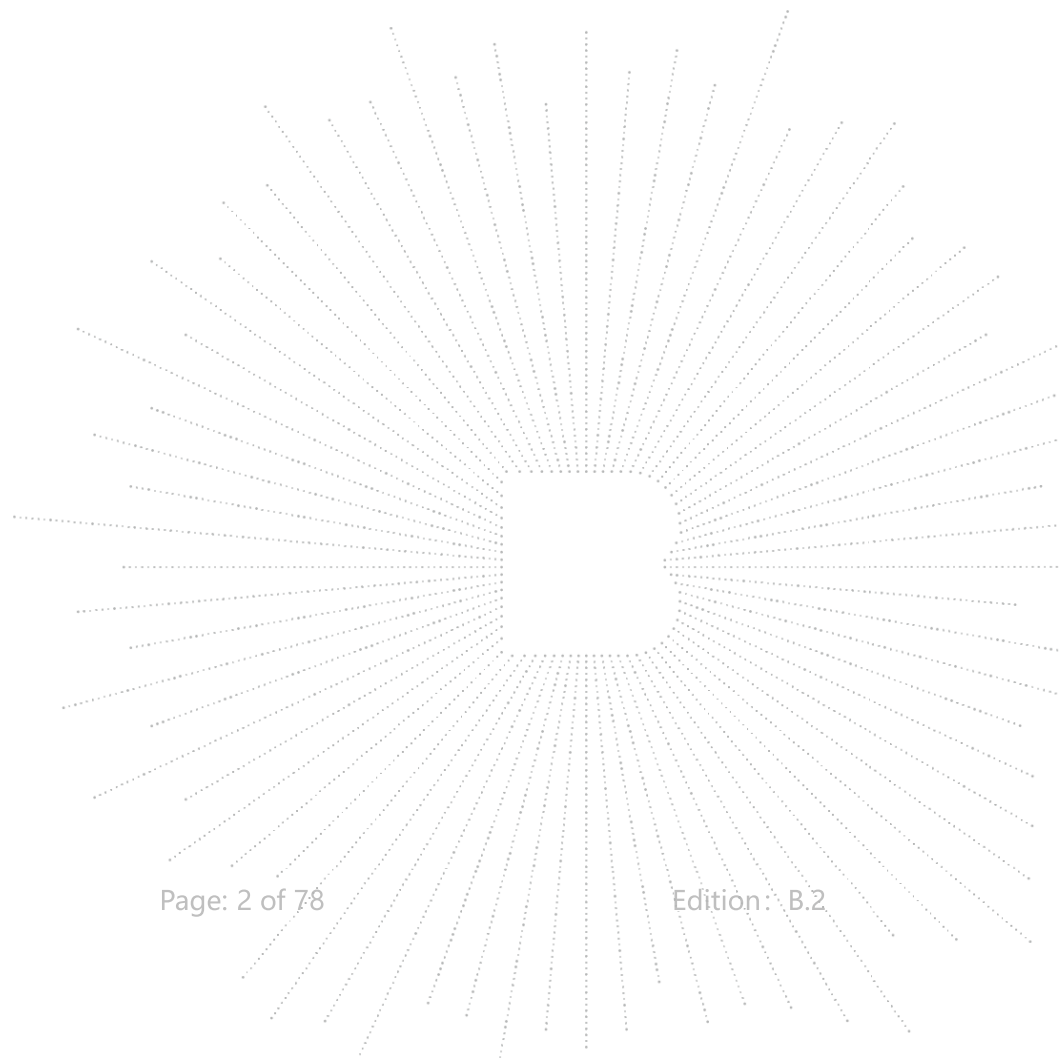
Tested Date: 2024-04-17 to 2024-05-20

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

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

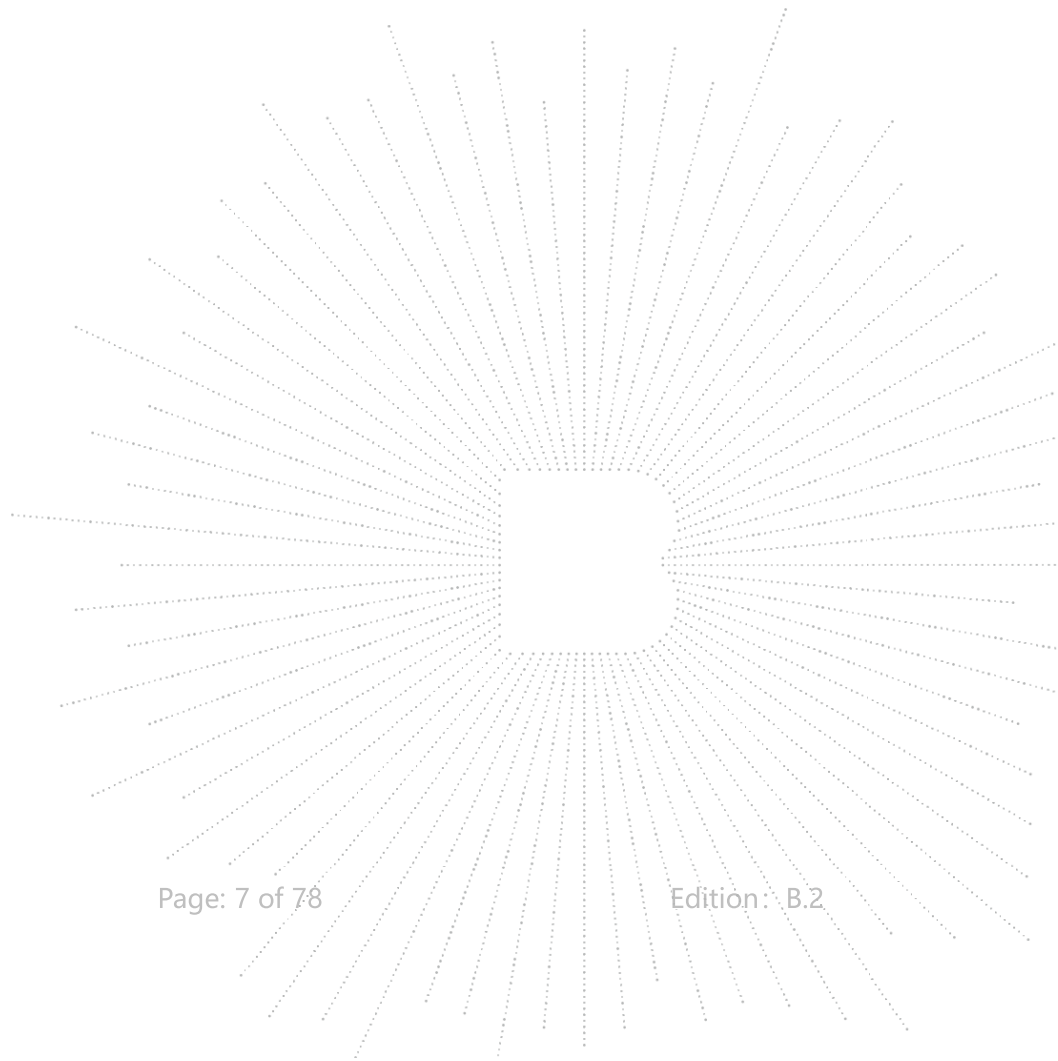
| Band  | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Size | RB<br>Position | Modulation | Power<br>(dBm) | Gain<br>(dBm) | EIRP<br>(dBm) | Verdict |
|-------|--------------------|---------------|------------|----------------|------------|----------------|---------------|---------------|---------|
| Band7 | 5                  | 20775         | 1          | #0             | QPSK       | 24.61          | 1.2           | 25.81         | PASS    |
| Band7 | 5                  | 20775         | 1          | #Mid           | QPSK       | 25.04          | 1.2           | 26.24         | PASS    |
| Band7 | 5                  | 20775         | 1          | #Max           | QPSK       | 24.59          | 1.2           | 25.79         | PASS    |
| Band7 | 5                  | 20775         | 12         | #0             | QPSK       | 23.70          | 1.2           | 24.90         | PASS    |
| Band7 | 5                  | 20775         | 12         | #Mid           | QPSK       | 23.81          | 1.2           | 25.01         | PASS    |
| Band7 | 5                  | 20775         | 12         | #Max           | QPSK       | 23.75          | 1.2           | 24.95         | PASS    |
| Band7 | 5                  | 20775         | 25         | #0             | QPSK       | 23.77          | 1.2           | 24.97         | PASS    |
| Band7 | 5                  | 20775         | 1          | #0             | 16QAM      | 23.81          | 1.2           | 25.01         | PASS    |
| Band7 | 5                  | 20775         | 1          | #Mid           | 16QAM      | 24.17          | 1.2           | 25.37         | PASS    |
| Band7 | 5                  | 20775         | 1          | #Max           | 16QAM      | 23.84          | 1.2           | 25.04         | PASS    |
| Band7 | 5                  | 20775         | 12         | #0             | 16QAM      | 22.71          | 1.2           | 23.91         | PASS    |
| Band7 | 5                  | 20775         | 12         | #Mid           | 16QAM      | 22.79          | 1.2           | 23.99         | PASS    |
| Band7 | 5                  | 20775         | 12         | #Max           | 16QAM      | 22.76          | 1.2           | 23.96         | PASS    |
| Band7 | 5                  | 20775         | 25         | #0             | 16QAM      | 22.70          | 1.2           | 23.90         | PASS    |
| Band7 | 5                  | 21100         | 1          | #0             | QPSK       | 24.49          | 1.2           | 25.69         | PASS    |
| Band7 | 5                  | 21100         | 1          | #Mid           | QPSK       | 24.98          | 1.2           | 26.18         | PASS    |
| Band7 | 5                  | 21100         | 1          | #Max           | QPSK       | 24.53          | 1.2           | 25.73         | PASS    |
| Band7 | 5                  | 21100         | 12         | #0             | QPSK       | 23.62          | 1.2           | 24.82         | PASS    |
| Band7 | 5                  | 21100         | 12         | #Mid           | QPSK       | 23.68          | 1.2           | 24.88         | PASS    |
| Band7 | 5                  | 21100         | 12         | #Max           | QPSK       | 23.71          | 1.2           | 24.91         | PASS    |
| Band7 | 5                  | 21100         | 25         | #0             | QPSK       | 23.65          | 1.2           | 24.85         | PASS    |
| Band7 | 5                  | 21100         | 1          | #0             | 16QAM      | 23.90          | 1.2           | 25.10         | PASS    |
| Band7 | 5                  | 21100         | 1          | #Mid           | 16QAM      | 24.26          | 1.2           | 25.46         | PASS    |
| Band7 | 5                  | 21100         | 1          | #Max           | 16QAM      | 23.98          | 1.2           | 25.18         | PASS    |
| Band7 | 5                  | 21100         | 12         | #0             | 16QAM      | 22.54          | 1.2           | 23.74         | PASS    |
| Band7 | 5                  | 21100         | 12         | #Mid           | 16QAM      | 22.67          | 1.2           | 23.87         | PASS    |
| Band7 | 5                  | 21100         | 12         | #Max           | 16QAM      | 22.62          | 1.2           | 23.82         | PASS    |
| Band7 | 5                  | 21100         | 25         | #0             | 16QAM      | 22.57          | 1.2           | 23.77         | PASS    |
| Band7 | 5                  | 21425         | 1          | #0             | QPSK       | 24.17          | 1.2           | 25.37         | PASS    |
| Band7 | 5                  | 21425         | 1          | #Mid           | QPSK       | 24.81          | 1.2           | 26.01         | PASS    |
| Band7 | 5                  | 21425         | 1          | #Max           | QPSK       | 24.30          | 1.2           | 25.50         | PASS    |
| Band7 | 5                  | 21425         | 12         | #0             | QPSK       | 23.22          | 1.2           | 24.42         | PASS    |
| Band7 | 5                  | 21425         | 12         | #Mid           | QPSK       | 23.32          | 1.2           | 24.52         | PASS    |
| Band7 | 5                  | 21425         | 12         | #Max           | QPSK       | 23.38          | 1.2           | 24.58         | PASS    |
| Band7 | 5                  | 21425         | 25         | #0             | QPSK       | 23.31          | 1.2           | 24.51         | PASS    |

|       |    |       |    |      |       |       |     |       |      |
|-------|----|-------|----|------|-------|-------|-----|-------|------|
| Band7 | 5  | 21425 | 1  | #0   | 16QAM | 23.40 | 1.2 | 24.60 | PASS |
| Band7 | 5  | 21425 | 1  | #Mid | 16QAM | 23.74 | 1.2 | 24.94 | PASS |
| Band7 | 5  | 21425 | 1  | #Max | 16QAM | 23.40 | 1.2 | 24.60 | PASS |
| Band7 | 5  | 21425 | 12 | #0   | 16QAM | 22.14 | 1.2 | 23.34 | PASS |
| Band7 | 5  | 21425 | 12 | #Mid | 16QAM | 22.27 | 1.2 | 23.47 | PASS |
| Band7 | 5  | 21425 | 12 | #Max | 16QAM | 22.27 | 1.2 | 23.47 | PASS |
| Band7 | 5  | 21425 | 25 | #0   | 16QAM | 22.33 | 1.2 | 23.53 | PASS |
| Band7 | 10 | 20800 | 1  | #0   | QPSK  | 24.67 | 1.2 | 25.87 | PASS |
| Band7 | 10 | 20800 | 1  | #Mid | QPSK  | 24.88 | 1.2 | 26.08 | PASS |
| Band7 | 10 | 20800 | 1  | #Max | QPSK  | 24.66 | 1.2 | 25.86 | PASS |
| Band7 | 10 | 20800 | 25 | #0   | QPSK  | 23.74 | 1.2 | 24.94 | PASS |
| Band7 | 10 | 20800 | 25 | #Mid | QPSK  | 23.74 | 1.2 | 24.94 | PASS |
| Band7 | 10 | 20800 | 25 | #Max | QPSK  | 23.78 | 1.2 | 24.98 | PASS |
| Band7 | 10 | 20800 | 50 | #0   | QPSK  | 23.74 | 1.2 | 24.94 | PASS |
| Band7 | 10 | 20800 | 1  | #0   | 16QAM | 23.80 | 1.2 | 25.00 | PASS |
| Band7 | 10 | 20800 | 1  | #Mid | 16QAM | 23.90 | 1.2 | 25.10 | PASS |
| Band7 | 10 | 20800 | 1  | #Max | 16QAM | 23.71 | 1.2 | 24.91 | PASS |
| Band7 | 10 | 20800 | 25 | #0   | 16QAM | 22.72 | 1.2 | 23.92 | PASS |
| Band7 | 10 | 20800 | 25 | #Mid | 16QAM | 22.76 | 1.2 | 23.96 | PASS |
| Band7 | 10 | 20800 | 25 | #Max | 16QAM | 22.74 | 1.2 | 23.94 | PASS |
| Band7 | 10 | 20800 | 50 | #0   | 16QAM | 22.73 | 1.2 | 23.93 | PASS |
| Band7 | 10 | 21100 | 1  | #0   | QPSK  | 24.63 | 1.2 | 25.83 | PASS |
| Band7 | 10 | 21100 | 1  | #Mid | QPSK  | 24.82 | 1.2 | 26.02 | PASS |
| Band7 | 10 | 21100 | 1  | #Max | QPSK  | 24.64 | 1.2 | 25.84 | PASS |
| Band7 | 10 | 21100 | 25 | #0   | QPSK  | 23.60 | 1.2 | 24.80 | PASS |
| Band7 | 10 | 21100 | 25 | #Mid | QPSK  | 23.64 | 1.2 | 24.84 | PASS |
| Band7 | 10 | 21100 | 25 | #Max | QPSK  | 23.75 | 1.2 | 24.95 | PASS |
| Band7 | 10 | 21100 | 50 | #0   | QPSK  | 23.63 | 1.2 | 24.83 | PASS |
| Band7 | 10 | 21100 | 1  | #0   | 16QAM | 23.37 | 1.2 | 24.57 | PASS |
| Band7 | 10 | 21100 | 1  | #Mid | 16QAM | 23.54 | 1.2 | 24.74 | PASS |
| Band7 | 10 | 21100 | 1  | #Max | 16QAM | 23.43 | 1.2 | 24.63 | PASS |
| Band7 | 10 | 21100 | 25 | #0   | 16QAM | 22.64 | 1.2 | 23.84 | PASS |
| Band7 | 10 | 21100 | 25 | #Mid | 16QAM | 22.65 | 1.2 | 23.85 | PASS |
| Band7 | 10 | 21100 | 25 | #Max | 16QAM | 22.70 | 1.2 | 23.90 | PASS |
| Band7 | 10 | 21100 | 50 | #0   | 16QAM | 22.61 | 1.2 | 23.81 | PASS |
| Band7 | 10 | 21400 | 1  | #0   | QPSK  | 24.18 | 1.2 | 25.38 | PASS |
| Band7 | 10 | 21400 | 1  | #Mid | QPSK  | 24.36 | 1.2 | 25.56 | PASS |
| Band7 | 10 | 21400 | 1  | #Max | QPSK  | 24.28 | 1.2 | 25.48 | PASS |
| Band7 | 10 | 21400 | 25 | #0   | QPSK  | 23.26 | 1.2 | 24.46 | PASS |
| Band7 | 10 | 21400 | 25 | #Mid | QPSK  | 23.30 | 1.2 | 24.50 | PASS |
| Band7 | 10 | 21400 | 25 | #Max | QPSK  | 23.48 | 1.2 | 24.68 | PASS |
| Band7 | 10 | 21400 | 50 | #0   | QPSK  | 23.35 | 1.2 | 24.55 | PASS |

|       |    |       |    |      |       |       |     |       |      |
|-------|----|-------|----|------|-------|-------|-----|-------|------|
| Band7 | 10 | 21400 | 1  | #0   | 16QAM | 23.43 | 1.2 | 24.63 | PASS |
| Band7 | 10 | 21400 | 1  | #Mid | 16QAM | 23.63 | 1.2 | 24.83 | PASS |
| Band7 | 10 | 21400 | 1  | #Max | 16QAM | 23.52 | 1.2 | 24.72 | PASS |
| Band7 | 10 | 21400 | 25 | #0   | 16QAM | 22.25 | 1.2 | 23.45 | PASS |
| Band7 | 10 | 21400 | 25 | #Mid | 16QAM | 22.30 | 1.2 | 23.50 | PASS |
| Band7 | 10 | 21400 | 25 | #Max | 16QAM | 22.46 | 1.2 | 23.66 | PASS |
| Band7 | 10 | 21400 | 50 | #0   | 16QAM | 22.33 | 1.2 | 23.53 | PASS |
| Band7 | 15 | 20825 | 1  | #0   | QPSK  | 24.75 | 1.2 | 25.95 | PASS |
| Band7 | 15 | 20825 | 1  | #Mid | QPSK  | 25.08 | 1.2 | 26.28 | PASS |
| Band7 | 15 | 20825 | 1  | #Max | QPSK  | 24.63 | 1.2 | 25.83 | PASS |
| Band7 | 15 | 20825 | 36 | #0   | QPSK  | 23.80 | 1.2 | 25.00 | PASS |
| Band7 | 15 | 20825 | 36 | #Mid | QPSK  | 23.88 | 1.2 | 25.08 | PASS |
| Band7 | 15 | 20825 | 36 | #Max | QPSK  | 23.80 | 1.2 | 25.00 | PASS |
| Band7 | 15 | 20825 | 75 | #0   | QPSK  | 23.84 | 1.2 | 25.04 | PASS |
| Band7 | 15 | 20825 | 1  | #0   | 16QAM | 23.68 | 1.2 | 24.88 | PASS |
| Band7 | 15 | 20825 | 1  | #Mid | 16QAM | 23.97 | 1.2 | 25.17 | PASS |
| Band7 | 15 | 20825 | 1  | #Max | 16QAM | 23.53 | 1.2 | 24.73 | PASS |
| Band7 | 15 | 20825 | 36 | #0   | 16QAM | 22.66 | 1.2 | 23.86 | PASS |
| Band7 | 15 | 20825 | 36 | #Mid | 16QAM | 22.74 | 1.2 | 23.94 | PASS |
| Band7 | 15 | 20825 | 36 | #Max | 16QAM | 22.65 | 1.2 | 23.85 | PASS |
| Band7 | 15 | 20825 | 75 | #0   | 16QAM | 22.78 | 1.2 | 23.98 | PASS |
| Band7 | 15 | 21100 | 1  | #0   | QPSK  | 24.41 | 1.2 | 25.61 | PASS |
| Band7 | 15 | 21100 | 1  | #Mid | QPSK  | 24.84 | 1.2 | 26.04 | PASS |
| Band7 | 15 | 21100 | 1  | #Max | QPSK  | 24.42 | 1.2 | 25.62 | PASS |
| Band7 | 15 | 21100 | 36 | #0   | QPSK  | 23.67 | 1.2 | 24.87 | PASS |
| Band7 | 15 | 21100 | 36 | #Mid | QPSK  | 23.72 | 1.2 | 24.92 | PASS |
| Band7 | 15 | 21100 | 36 | #Max | QPSK  | 23.76 | 1.2 | 24.96 | PASS |
| Band7 | 15 | 21100 | 75 | #0   | QPSK  | 23.74 | 1.2 | 24.94 | PASS |
| Band7 | 15 | 21100 | 1  | #0   | 16QAM | 23.71 | 1.2 | 24.91 | PASS |
| Band7 | 15 | 21100 | 1  | #Mid | 16QAM | 24.18 | 1.2 | 25.38 | PASS |
| Band7 | 15 | 21100 | 1  | #Max | 16QAM | 23.79 | 1.2 | 24.99 | PASS |
| Band7 | 15 | 21100 | 36 | #0   | 16QAM | 22.60 | 1.2 | 23.80 | PASS |
| Band7 | 15 | 21100 | 36 | #Mid | 16QAM | 22.70 | 1.2 | 23.90 | PASS |
| Band7 | 15 | 21100 | 36 | #Max | 16QAM | 22.72 | 1.2 | 23.92 | PASS |
| Band7 | 15 | 21100 | 75 | #0   | 16QAM | 22.67 | 1.2 | 23.87 | PASS |
| Band7 | 15 | 21375 | 1  | #0   | QPSK  | 24.18 | 1.2 | 25.38 | PASS |
| Band7 | 15 | 21375 | 1  | #Mid | QPSK  | 24.56 | 1.2 | 25.76 | PASS |
| Band7 | 15 | 21375 | 1  | #Max | QPSK  | 24.12 | 1.2 | 25.32 | PASS |
| Band7 | 15 | 21375 | 36 | #0   | QPSK  | 23.41 | 1.2 | 24.61 | PASS |
| Band7 | 15 | 21375 | 36 | #Mid | QPSK  | 23.40 | 1.2 | 24.60 | PASS |
| Band7 | 15 | 21375 | 36 | #Max | QPSK  | 23.48 | 1.2 | 24.68 | PASS |
| Band7 | 15 | 21375 | 75 | #0   | QPSK  | 23.45 | 1.2 | 24.65 | PASS |

|       |    |       |     |      |       |       |     |       |      |
|-------|----|-------|-----|------|-------|-------|-----|-------|------|
| Band7 | 15 | 21375 | 1   | #0   | 16QAM | 23.29 | 1.2 | 24.49 | PASS |
| Band7 | 15 | 21375 | 1   | #Mid | 16QAM | 23.61 | 1.2 | 24.81 | PASS |
| Band7 | 15 | 21375 | 1   | #Max | 16QAM | 23.23 | 1.2 | 24.43 | PASS |
| Band7 | 15 | 21375 | 36  | #0   | 16QAM | 22.37 | 1.2 | 23.57 | PASS |
| Band7 | 15 | 21375 | 36  | #Mid | 16QAM | 22.36 | 1.2 | 23.56 | PASS |
| Band7 | 15 | 21375 | 36  | #Max | 16QAM | 22.45 | 1.2 | 23.65 | PASS |
| Band7 | 15 | 21375 | 75  | #0   | 16QAM | 22.34 | 1.2 | 23.54 | PASS |
| Band7 | 20 | 20850 | 1   | #0   | QPSK  | 24.57 | 1.2 | 25.77 | PASS |
| Band7 | 20 | 20850 | 1   | #Mid | QPSK  | 24.90 | 1.2 | 26.10 | PASS |
| Band7 | 20 | 20850 | 1   | #Max | QPSK  | 24.42 | 1.2 | 25.62 | PASS |
| Band7 | 20 | 20850 | 50  | #0   | QPSK  | 23.65 | 1.2 | 24.85 | PASS |
| Band7 | 20 | 20850 | 50  | #Mid | QPSK  | 23.69 | 1.2 | 24.89 | PASS |
| Band7 | 20 | 20850 | 50  | #Max | QPSK  | 23.47 | 1.2 | 24.67 | PASS |
| Band7 | 20 | 20850 | 100 | #0   | QPSK  | 23.57 | 1.2 | 24.77 | PASS |
| Band7 | 20 | 20850 | 1   | #0   | 16QAM | 23.64 | 1.2 | 24.84 | PASS |
| Band7 | 20 | 20850 | 1   | #Mid | 16QAM | 23.88 | 1.2 | 25.08 | PASS |
| Band7 | 20 | 20850 | 1   | #Max | 16QAM | 23.46 | 1.2 | 24.66 | PASS |
| Band7 | 20 | 20850 | 50  | #0   | 16QAM | 22.58 | 1.2 | 23.78 | PASS |
| Band7 | 20 | 20850 | 50  | #Mid | 16QAM | 22.65 | 1.2 | 23.85 | PASS |
| Band7 | 20 | 20850 | 50  | #Max | 16QAM | 22.47 | 1.2 | 23.67 | PASS |
| Band7 | 20 | 20850 | 100 | #0   | 16QAM | 22.55 | 1.2 | 23.75 | PASS |
| Band7 | 20 | 21100 | 1   | #0   | QPSK  | 24.25 | 1.2 | 25.45 | PASS |
| Band7 | 20 | 21100 | 1   | #Mid | QPSK  | 24.73 | 1.2 | 25.93 | PASS |
| Band7 | 20 | 21100 | 1   | #Max | QPSK  | 24.30 | 1.2 | 25.50 | PASS |
| Band7 | 20 | 21100 | 50  | #0   | QPSK  | 23.53 | 1.2 | 24.73 | PASS |
| Band7 | 20 | 21100 | 50  | #Mid | QPSK  | 23.67 | 1.2 | 24.87 | PASS |
| Band7 | 20 | 21100 | 50  | #Max | QPSK  | 23.74 | 1.2 | 24.94 | PASS |
| Band7 | 20 | 21100 | 100 | #0   | QPSK  | 23.61 | 1.2 | 24.81 | PASS |
| Band7 | 20 | 21100 | 1   | #0   | 16QAM | 23.51 | 1.2 | 24.71 | PASS |
| Band7 | 20 | 21100 | 1   | #Mid | 16QAM | 23.90 | 1.2 | 25.10 | PASS |
| Band7 | 20 | 21100 | 1   | #Max | 16QAM | 23.55 | 1.2 | 24.75 | PASS |
| Band7 | 20 | 21100 | 50  | #0   | 16QAM | 22.59 | 1.2 | 23.79 | PASS |
| Band7 | 20 | 21100 | 50  | #Mid | 16QAM | 22.69 | 1.2 | 23.89 | PASS |
| Band7 | 20 | 21100 | 50  | #Max | 16QAM | 22.76 | 1.2 | 23.96 | PASS |
| Band7 | 20 | 21100 | 100 | #0   | 16QAM | 22.61 | 1.2 | 23.81 | PASS |
| Band7 | 20 | 21350 | 1   | #0   | QPSK  | 24.09 | 1.2 | 25.29 | PASS |
| Band7 | 20 | 21350 | 1   | #Mid | QPSK  | 24.41 | 1.2 | 25.61 | PASS |
| Band7 | 20 | 21350 | 1   | #Max | QPSK  | 24.06 | 1.2 | 25.26 | PASS |
| Band7 | 20 | 21350 | 50  | #0   | QPSK  | 23.44 | 1.2 | 24.64 | PASS |
| Band7 | 20 | 21350 | 50  | #Mid | QPSK  | 23.29 | 1.2 | 24.49 | PASS |
| Band7 | 20 | 21350 | 50  | #Max | QPSK  | 23.34 | 1.2 | 24.54 | PASS |
| Band7 | 20 | 21350 | 100 | #0   | QPSK  | 23.37 | 1.2 | 24.57 | PASS |

|       |    |       |     |      |       |       |     |       |      |
|-------|----|-------|-----|------|-------|-------|-----|-------|------|
| Band7 | 20 | 21350 | 1   | #0   | 16QAM | 23.37 | 1.2 | 24.57 | PASS |
| Band7 | 20 | 21350 | 1   | #Mid | 16QAM | 23.54 | 1.2 | 24.74 | PASS |
| Band7 | 20 | 21350 | 1   | #Max | 16QAM | 23.25 | 1.2 | 24.45 | PASS |
| Band7 | 20 | 21350 | 50  | #0   | 16QAM | 22.47 | 1.2 | 23.67 | PASS |
| Band7 | 20 | 21350 | 50  | #Mid | 16QAM | 22.33 | 1.2 | 23.53 | PASS |
| Band7 | 20 | 21350 | 50  | #Max | 16QAM | 22.35 | 1.2 | 23.55 | PASS |
| Band7 | 20 | 21350 | 100 | #0   | 16QAM | 22.39 | 1.2 | 23.59 | 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 7 | 5               | 20775      | 25      | #0          | QPSK       | LV            | NT              | -9.36       | -0.004       | -2.5            | 2.5              | PASS    |
| Band 7 | 5               | 20775      | 25      | #0          | QPSK       | NV            | NT              | -10.97      | -0.004       | -2.5            | 2.5              | PASS    |
| Band 7 | 5               | 20775      | 25      | #0          | QPSK       | HV            | NT              | -0.96       | 0.000        | -2.5            | 2.5              | PASS    |
| Band 7 | 5               | 20775      | 25      | #0          | 16QAM      | LV            | NT              | -1.50       | -0.001       | -2.5            | 2.5              | PASS    |
| Band 7 | 5               | 20775      | 25      | #0          | 16QAM      | NV            | NT              | -3.76       | -0.002       | -2.5            | 2.5              | PASS    |
| Band 7 | 5               | 20775      | 25      | #0          | 16QAM      | HV            | NT              | 5.01        | 0.002        | -2.5            | 2.5              | PASS    |
| Band 7 | 5               | 21100      | 25      | #0          | QPSK       | LV            | NT              | -6.92       | -0.003       | -2.5            | 2.5              | PASS    |
| Band 7 | 5               | 21100      | 25      | #0          | QPSK       | NV            | NT              | -5.68       | -0.002       | -2.5            | 2.5              | PASS    |
| Band 7 | 5               | 21100      | 25      | #0          | QPSK       | HV            | NT              | -2.27       | -0.001       | -2.5            | 2.5              | PASS    |
| Band 7 | 5               | 21100      | 25      | #0          | 16QAM      | LV            | NT              | 7.62        | 0.003        | -2.5            | 2.5              | PASS    |
| Band 7 | 5               | 21100      | 25      | #0          | 16QAM      | NV            | NT              | 3.08        | 0.001        | -2.5            | 2.5              | PASS    |
| Band 7 | 5               | 21100      | 25      | #0          | 16QAM      | HV            | NT              | 0.51        | 0.000        | -2.5            | 2.5              | PASS    |
| Band 7 | 5               | 21425      | 25      | #0          | QPSK       | LV            | NT              | -1.14       | 0.000        | -2.5            | 2.5              | PASS    |
| Band 7 | 5               | 21425      | 25      | #0          | QPSK       | NV            | NT              | -3.95       | -0.002       | -2.5            | 2.5              | PASS    |
| Band 7 | 5               | 21425      | 25      | #0          | QPSK       | HV            | NT              | -10.21      | -0.004       | -2.5            | 2.5              | PASS    |
| Band 7 | 5               | 21425      | 25      | #0          | 16QAM      | LV            | NT              | -4.49       | -0.002       | -2.5            | 2.5              | PASS    |
| Band 7 | 5               | 21425      | 25      | #0          | 16QAM      | NV            | NT              | -0.01       | 0.000        | -2.5            | 2.5              | PASS    |
| Band 7 | 5               | 21425      | 25      | #0          | 16QAM      | HV            | NT              | -7.17       | -0.00        | -2.5            | 2.5              | PASS    |

|        |    |       |    |    |       |    |    |        |        |      |     |      |
|--------|----|-------|----|----|-------|----|----|--------|--------|------|-----|------|
| 7      |    |       |    |    |       |    |    |        | 3      |      |     |      |
| Band 7 | 10 | 20800 | 50 | #0 | QPSK  | LV | NT | -7.01  | -0.003 | -2.5 | 2.5 | PASS |
| Band 7 | 10 | 20800 | 50 | #0 | QPSK  | NV | NT | -2.98  | -0.001 | -2.5 | 2.5 | PASS |
| Band 7 | 10 | 20800 | 50 | #0 | QPSK  | HV | NT | -4.89  | -0.002 | -2.5 | 2.5 | PASS |
| Band 7 | 10 | 20800 | 50 | #0 | 16QAM | LV | NT | 0.07   | 0.000  | -2.5 | 2.5 | PASS |
| Band 7 | 10 | 20800 | 50 | #0 | 16QAM | NV | NT | -2.57  | -0.001 | -2.5 | 2.5 | PASS |
| Band 7 | 10 | 20800 | 50 | #0 | 16QAM | HV | NT | -0.77  | 0.000  | -2.5 | 2.5 | PASS |
| Band 7 | 10 | 21100 | 50 | #0 | QPSK  | LV | NT | -7.52  | -0.003 | -2.5 | 2.5 | PASS |
| Band 7 | 10 | 21100 | 50 | #0 | QPSK  | NV | NT | -10.43 | -0.004 | -2.5 | 2.5 | PASS |
| Band 7 | 10 | 21100 | 50 | #0 | QPSK  | HV | NT | -6.14  | -0.002 | -2.5 | 2.5 | PASS |
| Band 7 | 10 | 21100 | 50 | #0 | 16QAM | LV | NT | -5.62  | -0.002 | -2.5 | 2.5 | PASS |
| Band 7 | 10 | 21100 | 50 | #0 | 16QAM | NV | NT | -7.72  | -0.003 | -2.5 | 2.5 | PASS |
| Band 7 | 10 | 21100 | 50 | #0 | 16QAM | HV | NT | -8.13  | -0.003 | -2.5 | 2.5 | PASS |
| Band 7 | 10 | 21400 | 50 | #0 | QPSK  | LV | NT | -5.81  | -0.002 | -2.5 | 2.5 | PASS |
| Band 7 | 10 | 21400 | 50 | #0 | QPSK  | NV | NT | -2.00  | -0.001 | -2.5 | 2.5 | PASS |
| Band 7 | 10 | 21400 | 50 | #0 | QPSK  | HV | NT | 2.25   | 0.001  | -2.5 | 2.5 | PASS |
| Band 7 | 10 | 21400 | 50 | #0 | 16QAM | LV | NT | 1.36   | 0.001  | -2.5 | 2.5 | PASS |
| Band 7 | 10 | 21400 | 50 | #0 | 16QAM | NV | NT | -3.95  | -0.002 | -2.5 | 2.5 | PASS |
| Band 7 | 10 | 21400 | 50 | #0 | 16QAM | HV | NT | -1.87  | -0.001 | -2.5 | 2.5 | PASS |
| Band 7 | 15 | 20825 | 75 | #0 | QPSK  | LV | NT | -10.10 | -0.004 | -2.5 | 2.5 | PASS |
| Band 7 | 15 | 20825 | 75 | #0 | QPSK  | NV | NT | -9.00  | -0.004 | -2.5 | 2.5 | PASS |
| Band 7 | 15 | 20825 | 75 | #0 | QPSK  | HV | NT | -5.16  | -0.002 | -2.5 | 2.5 | PASS |

|           |    |       |     |    |       |    |    |            |            |      |     |      |
|-----------|----|-------|-----|----|-------|----|----|------------|------------|------|-----|------|
| Band<br>7 | 15 | 20825 | 75  | #0 | 16QAM | LV | NT | -6.81      | -0.00<br>3 | -2.5 | 2.5 | PASS |
| Band<br>7 | 15 | 20825 | 75  | #0 | 16QAM | NV | NT | -0.80      | 0.000      | -2.5 | 2.5 | PASS |
| Band<br>7 | 15 | 20825 | 75  | #0 | 16QAM | HV | NT | 1.13       | 0.000      | -2.5 | 2.5 | PASS |
| Band<br>7 | 15 | 21100 | 75  | #0 | QPSK  | LV | NT | -7.10      | -0.00<br>3 | -2.5 | 2.5 | PASS |
| Band<br>7 | 15 | 21100 | 75  | #0 | QPSK  | NV | NT | -12.0<br>2 | -0.00<br>5 | -2.5 | 2.5 | PASS |
| Band<br>7 | 15 | 21100 | 75  | #0 | QPSK  | HV | NT | -7.08      | -0.00<br>3 | -2.5 | 2.5 | PASS |
| Band<br>7 | 15 | 21100 | 75  | #0 | 16QAM | LV | NT | -6.09      | -0.00<br>2 | -2.5 | 2.5 | PASS |
| Band<br>7 | 15 | 21100 | 75  | #0 | 16QAM | NV | NT | -7.74      | -0.00<br>3 | -2.5 | 2.5 | PASS |
| Band<br>7 | 15 | 21100 | 75  | #0 | 16QAM | HV | NT | -9.77      | -0.00<br>4 | -2.5 | 2.5 | PASS |
| Band<br>7 | 15 | 21375 | 75  | #0 | QPSK  | LV | NT | -4.91      | -0.00<br>2 | -2.5 | 2.5 | PASS |
| Band<br>7 | 15 | 21375 | 75  | #0 | QPSK  | NV | NT | -5.22      | -0.00<br>2 | -2.5 | 2.5 | PASS |
| Band<br>7 | 15 | 21375 | 75  | #0 | QPSK  | HV | NT | -9.71      | -0.00<br>4 | -2.5 | 2.5 | PASS |
| Band<br>7 | 15 | 21375 | 75  | #0 | 16QAM | LV | NT | -2.83      | -0.00<br>1 | -2.5 | 2.5 | PASS |
| Band<br>7 | 15 | 21375 | 75  | #0 | 16QAM | NV | NT | -7.11      | -0.00<br>3 | -2.5 | 2.5 | PASS |
| Band<br>7 | 15 | 21375 | 75  | #0 | 16QAM | HV | NT | -7.74      | -0.00<br>3 | -2.5 | 2.5 | PASS |
| Band<br>7 | 20 | 20850 | 100 | #0 | QPSK  | LV | NT | -8.05      | -0.00<br>3 | -2.5 | 2.5 | PASS |
| Band<br>7 | 20 | 20850 | 100 | #0 | QPSK  | NV | NT | -4.62      | -0.00<br>2 | -2.5 | 2.5 | PASS |
| Band<br>7 | 20 | 20850 | 100 | #0 | QPSK  | HV | NT | -3.26      | -0.00<br>1 | -2.5 | 2.5 | PASS |
| Band<br>7 | 20 | 20850 | 100 | #0 | 16QAM | LV | NT | -4.23      | -0.00<br>2 | -2.5 | 2.5 | PASS |
| Band<br>7 | 20 | 20850 | 100 | #0 | 16QAM | NV | NT | -1.72      | -0.00<br>1 | -2.5 | 2.5 | PASS |
| Band<br>7 | 20 | 20850 | 100 | #0 | 16QAM | HV | NT | -4.76      | -0.00<br>2 | -2.5 | 2.5 | PASS |
| Band<br>7 | 20 | 21100 | 100 | #0 | QPSK  | LV | NT | -12.0      | -0.00      | -2.5 | 2.5 | PASS |

|        |    |       |     |    |       |    |    |        |        |      |     |      |
|--------|----|-------|-----|----|-------|----|----|--------|--------|------|-----|------|
| 7      |    |       |     |    |       |    |    | 3      | 5      |      |     |      |
| Band 7 | 20 | 21100 | 100 | #0 | QPSK  | NV | NT | -14.52 | -0.006 | -2.5 | 2.5 | PASS |
| Band 7 | 20 | 21100 | 100 | #0 | QPSK  | HV | NT | -6.05  | -0.002 | -2.5 | 2.5 | PASS |
| Band 7 | 20 | 21100 | 100 | #0 | 16QAM | LV | NT | -6.54  | -0.003 | -2.5 | 2.5 | PASS |
| Band 7 | 20 | 21100 | 100 | #0 | 16QAM | NV | NT | -3.53  | -0.001 | -2.5 | 2.5 | PASS |
| Band 7 | 20 | 21100 | 100 | #0 | 16QAM | HV | NT | -6.78  | -0.003 | -2.5 | 2.5 | PASS |
| Band 7 | 20 | 21350 | 100 | #0 | QPSK  | LV | NT | 0.01   | 0.000  | -2.5 | 2.5 | PASS |
| Band 7 | 20 | 21350 | 100 | #0 | QPSK  | NV | NT | -6.98  | -0.003 | -2.5 | 2.5 | PASS |
| Band 7 | 20 | 21350 | 100 | #0 | QPSK  | HV | NT | -9.21  | -0.004 | -2.5 | 2.5 | PASS |
| Band 7 | 20 | 21350 | 100 | #0 | 16QAM | LV | NT | 0.19   | 0.000  | -2.5 | 2.5 | PASS |
| Band 7 | 20 | 21350 | 100 | #0 | 16QAM | NV | NT | -4.94  | -0.002 | -2.5 | 2.5 | PASS |
| Band 7 | 20 | 21350 | 100 | #0 | 16QAM | HV | NT | -6.51  | -0.003 | -2.5 | 2.5 | PASS |

| Band  | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Voltage (Vdc) | Temperature (C) | Result (Hz) | Result (ppm) | Verdict |
|-------|-----------------|------------|---------|-------------|------------|---------------|-----------------|-------------|--------------|---------|
| Band7 | 5               | 20775      | 25      | #0          | QPSK       | NV            | -30             | -24.25      | -0.010       | PASS    |
| Band7 | 5               | 20775      | 25      | #0          | QPSK       | NV            | -20             | -9.21       | -0.004       | PASS    |
| Band7 | 5               | 20775      | 25      | #0          | QPSK       | NV            | -10             | -8.08       | -0.003       | PASS    |
| Band7 | 5               | 20775      | 25      | #0          | QPSK       | NV            | 0               | -2.00       | -0.001       | PASS    |
| Band7 | 5               | 20775      | 25      | #0          | QPSK       | NV            | 10              | -14.88      | -0.006       | PASS    |
| Band7 | 5               | 20775      | 25      | #0          | QPSK       | NV            | 20              | 7.20        | 0.003        | PASS    |
| Band7 | 5               | 20775      | 25      | #0          | QPSK       | NV            | 30              | -8.85       | -0.004       | PASS    |
| Band7 | 5               | 20775      | 25      | #0          | QPSK       | NV            | 40              | -7.47       | -0.003       | PASS    |
| Band7 | 5               | 20775      | 25      | #0          | QPSK       | NV            | 50              | -0.40       | 0.000        | PASS    |
| Band7 | 5               | 20775      | 25      | #0          | 16QAM      | NV            | -30             | -0.96       | 0.000        | PASS    |
| Band7 | 5               | 20775      | 25      | #0          | 16QAM      | NV            | -20             | -11.59      | -0.005       | PASS    |
| Band7 | 5               | 20775      | 25      | #0          | 16QAM      | NV            | -10             | -1.63       | -0.001       | PASS    |
| Band7 | 5               | 20775      | 25      | #0          | 16QAM      | NV            | 0               | -10.91      | -0.004       | PASS    |
| Band7 | 5               | 20775      | 25      | #0          | 16QAM      | NV            | 10              | 0.27        | 0.000        | PASS    |
| Band7 | 5               | 20775      | 25      | #0          | 16QAM      | NV            | 20              | -10.36      | -0.004       | PASS    |
| Band7 | 5               | 20775      | 25      | #0          | 16QAM      | NV            | 30              | -7.77       | -0.003       | PASS    |

|       |    |       |    |    |       |    |     |        |        |      |
|-------|----|-------|----|----|-------|----|-----|--------|--------|------|
| Band7 | 5  | 20775 | 25 | #0 | 16QAM | NV | 40  | -5.18  | -0.002 | PASS |
| Band7 | 5  | 20775 | 25 | #0 | 16QAM | NV | 50  | 0.40   | 0.000  | PASS |
| Band7 | 5  | 21100 | 25 | #0 | QPSK  | NV | -30 | -7.58  | -0.003 | PASS |
| Band7 | 5  | 21100 | 25 | #0 | QPSK  | NV | -20 | -5.66  | -0.002 | PASS |
| Band7 | 5  | 21100 | 25 | #0 | QPSK  | NV | -10 | 1.27   | 0.001  | PASS |
| Band7 | 5  | 21100 | 25 | #0 | QPSK  | NV | 0   | -2.79  | -0.001 | PASS |
| Band7 | 5  | 21100 | 25 | #0 | QPSK  | NV | 10  | -1.06  | 0.000  | PASS |
| Band7 | 5  | 21100 | 25 | #0 | QPSK  | NV | 20  | -9.31  | -0.004 | PASS |
| Band7 | 5  | 21100 | 25 | #0 | QPSK  | NV | 30  | -10.84 | -0.004 | PASS |
| Band7 | 5  | 21100 | 25 | #0 | QPSK  | NV | 40  | 7.47   | 0.003  | PASS |
| Band7 | 5  | 21100 | 25 | #0 | QPSK  | NV | 50  | 6.19   | 0.002  | PASS |
| Band7 | 5  | 21100 | 25 | #0 | 16QAM | NV | -30 | -7.30  | -0.003 | PASS |
| Band7 | 5  | 21100 | 25 | #0 | 16QAM | NV | -20 | -5.62  | -0.002 | PASS |
| Band7 | 5  | 21100 | 25 | #0 | 16QAM | NV | -10 | 7.34   | 0.003  | PASS |
| Band7 | 5  | 21100 | 25 | #0 | 16QAM | NV | 0   | -3.78  | -0.001 | PASS |
| Band7 | 5  | 21100 | 25 | #0 | 16QAM | NV | 10  | -3.22  | -0.001 | PASS |
| Band7 | 5  | 21100 | 25 | #0 | 16QAM | NV | 20  | -2.37  | -0.001 | PASS |
| Band7 | 5  | 21100 | 25 | #0 | 16QAM | NV | 30  | -3.43  | -0.001 | PASS |
| Band7 | 5  | 21100 | 25 | #0 | 16QAM | NV | 40  | -19.03 | -0.008 | PASS |
| Band7 | 5  | 21100 | 25 | #0 | 16QAM | NV | 50  | -1.16  | 0.000  | PASS |
| Band7 | 5  | 21425 | 25 | #0 | QPSK  | NV | -30 | -8.94  | -0.003 | PASS |
| Band7 | 5  | 21425 | 25 | #0 | QPSK  | NV | -20 | -1.42  | -0.001 | PASS |
| Band7 | 5  | 21425 | 25 | #0 | QPSK  | NV | -10 | -4.29  | -0.002 | PASS |
| Band7 | 5  | 21425 | 25 | #0 | QPSK  | NV | 0   | -15.19 | -0.006 | PASS |
| Band7 | 5  | 21425 | 25 | #0 | QPSK  | NV | 10  | -0.59  | 0.000  | PASS |
| Band7 | 5  | 21425 | 25 | #0 | QPSK  | NV | 20  | -15.68 | -0.006 | PASS |
| Band7 | 5  | 21425 | 25 | #0 | QPSK  | NV | 30  | -1.04  | 0.000  | PASS |
| Band7 | 5  | 21425 | 25 | #0 | QPSK  | NV | 40  | 2.78   | 0.001  | PASS |
| Band7 | 5  | 21425 | 25 | #0 | QPSK  | NV | 50  | 6.32   | 0.002  | PASS |
| Band7 | 5  | 21425 | 25 | #0 | 16QAM | NV | -30 | 7.25   | 0.003  | PASS |
| Band7 | 5  | 21425 | 25 | #0 | 16QAM | NV | -20 | -4.75  | -0.002 | PASS |
| Band7 | 5  | 21425 | 25 | #0 | 16QAM | NV | -10 | -4.89  | -0.002 | PASS |
| Band7 | 5  | 21425 | 25 | #0 | 16QAM | NV | 0   | 6.98   | 0.003  | PASS |
| Band7 | 5  | 21425 | 25 | #0 | 16QAM | NV | 10  | 8.38   | 0.003  | PASS |
| Band7 | 5  | 21425 | 25 | #0 | 16QAM | NV | 20  | 0.54   | 0.000  | PASS |
| Band7 | 5  | 21425 | 25 | #0 | 16QAM | NV | 30  | -2.20  | -0.001 | PASS |
| Band7 | 5  | 21425 | 25 | #0 | 16QAM | NV | 40  | -12.87 | -0.005 | PASS |
| Band7 | 5  | 21425 | 25 | #0 | 16QAM | NV | 50  | 8.25   | 0.003  | PASS |
| Band7 | 10 | 20800 | 50 | #0 | QPSK  | NV | -30 | -16.34 | -0.007 | PASS |
| Band7 | 10 | 20800 | 50 | #0 | QPSK  | NV | -20 | -0.09  | 0.000  | PASS |
| Band7 | 10 | 20800 | 50 | #0 | QPSK  | NV | -10 | -10.59 | -0.004 | PASS |
| Band7 | 10 | 20800 | 50 | #0 | QPSK  | NV | 0   | -4.79  | -0.002 | PASS |

|       |    |       |    |    |       |    |     |        |        |      |
|-------|----|-------|----|----|-------|----|-----|--------|--------|------|
| Band7 | 10 | 20800 | 50 | #0 | QPSK  | NV | 10  | -13.89 | -0.006 | PASS |
| Band7 | 10 | 20800 | 50 | #0 | QPSK  | NV | 20  | -3.42  | -0.001 | PASS |
| Band7 | 10 | 20800 | 50 | #0 | QPSK  | NV | 30  | -4.28  | -0.002 | PASS |
| Band7 | 10 | 20800 | 50 | #0 | QPSK  | NV | 40  | -5.84  | -0.002 | PASS |
| Band7 | 10 | 20800 | 50 | #0 | QPSK  | NV | 50  | 2.25   | 0.001  | PASS |
| Band7 | 10 | 20800 | 50 | #0 | 16QAM | NV | -30 | -4.16  | -0.002 | PASS |
| Band7 | 10 | 20800 | 50 | #0 | 16QAM | NV | -20 | -3.36  | -0.001 | PASS |
| Band7 | 10 | 20800 | 50 | #0 | 16QAM | NV | -10 | -11.24 | -0.004 | PASS |
| Band7 | 10 | 20800 | 50 | #0 | 16QAM | NV | 0   | -7.22  | -0.003 | PASS |
| Band7 | 10 | 20800 | 50 | #0 | 16QAM | NV | 10  | -8.44  | -0.003 | PASS |
| Band7 | 10 | 20800 | 50 | #0 | 16QAM | NV | 20  | -8.77  | -0.004 | PASS |
| Band7 | 10 | 20800 | 50 | #0 | 16QAM | NV | 30  | -5.92  | -0.002 | PASS |
| Band7 | 10 | 20800 | 50 | #0 | 16QAM | NV | 40  | -0.06  | 0.000  | PASS |
| Band7 | 10 | 20800 | 50 | #0 | 16QAM | NV | 50  | -6.34  | -0.003 | PASS |
| Band7 | 10 | 21100 | 50 | #0 | QPSK  | NV | -30 | -16.19 | -0.006 | PASS |
| Band7 | 10 | 21100 | 50 | #0 | QPSK  | NV | -20 | -15.16 | -0.006 | PASS |
| Band7 | 10 | 21100 | 50 | #0 | QPSK  | NV | -10 | -9.57  | -0.004 | PASS |
| Band7 | 10 | 21100 | 50 | #0 | QPSK  | NV | 0   | -10.70 | -0.004 | PASS |
| Band7 | 10 | 21100 | 50 | #0 | QPSK  | NV | 10  | -3.28  | -0.001 | PASS |
| Band7 | 10 | 21100 | 50 | #0 | QPSK  | NV | 20  | -4.96  | -0.002 | PASS |
| Band7 | 10 | 21100 | 50 | #0 | QPSK  | NV | 30  | -10.31 | -0.004 | PASS |
| Band7 | 10 | 21100 | 50 | #0 | QPSK  | NV | 40  | -8.24  | -0.003 | PASS |
| Band7 | 10 | 21100 | 50 | #0 | QPSK  | NV | 50  | -4.02  | -0.002 | PASS |
| Band7 | 10 | 21100 | 50 | #0 | 16QAM | NV | -30 | -8.98  | -0.004 | PASS |
| Band7 | 10 | 21100 | 50 | #0 | 16QAM | NV | -20 | 2.37   | 0.001  | PASS |
| Band7 | 10 | 21100 | 50 | #0 | 16QAM | NV | -10 | -2.53  | -0.001 | PASS |
| Band7 | 10 | 21100 | 50 | #0 | 16QAM | NV | 0   | -2.80  | -0.001 | PASS |
| Band7 | 10 | 21100 | 50 | #0 | 16QAM | NV | 10  | -19.34 | -0.008 | PASS |
| Band7 | 10 | 21100 | 50 | #0 | 16QAM | NV | 20  | -2.55  | -0.001 | PASS |
| Band7 | 10 | 21100 | 50 | #0 | 16QAM | NV | 30  | -14.20 | -0.006 | PASS |
| Band7 | 10 | 21100 | 50 | #0 | 16QAM | NV | 40  | -6.87  | -0.003 | PASS |
| Band7 | 10 | 21100 | 50 | #0 | 16QAM | NV | 50  | 0.53   | 0.000  | PASS |
| Band7 | 10 | 21400 | 50 | #0 | QPSK  | NV | -30 | -12.50 | -0.005 | PASS |
| Band7 | 10 | 21400 | 50 | #0 | QPSK  | NV | -20 | -0.74  | 0.000  | PASS |
| Band7 | 10 | 21400 | 50 | #0 | QPSK  | NV | -10 | -6.79  | -0.003 | PASS |
| Band7 | 10 | 21400 | 50 | #0 | QPSK  | NV | 0   | -0.70  | 0.000  | PASS |
| Band7 | 10 | 21400 | 50 | #0 | QPSK  | NV | 10  | -2.43  | -0.001 | PASS |
| Band7 | 10 | 21400 | 50 | #0 | QPSK  | NV | 20  | -5.84  | -0.002 | PASS |
| Band7 | 10 | 21400 | 50 | #0 | QPSK  | NV | 30  | 0.82   | 0.000  | PASS |
| Band7 | 10 | 21400 | 50 | #0 | QPSK  | NV | 40  | -4.81  | -0.002 | PASS |
| Band7 | 10 | 21400 | 50 | #0 | QPSK  | NV | 50  | -4.49  | -0.002 | PASS |
| Band7 | 10 | 21400 | 50 | #0 | 16QAM | NV | -30 | -2.53  | -0.001 | PASS |

|       |    |       |    |    |       |    |     |        |        |      |
|-------|----|-------|----|----|-------|----|-----|--------|--------|------|
| Band7 | 10 | 21400 | 50 | #0 | 16QAM | NV | -20 | -4.56  | -0.002 | PASS |
| Band7 | 10 | 21400 | 50 | #0 | 16QAM | NV | -10 | -13.16 | -0.005 | PASS |
| Band7 | 10 | 21400 | 50 | #0 | 16QAM | NV | 0   | -0.93  | 0.000  | PASS |
| Band7 | 10 | 21400 | 50 | #0 | 16QAM | NV | 10  | 1.23   | 0.000  | PASS |
| Band7 | 10 | 21400 | 50 | #0 | 16QAM | NV | 20  | -9.91  | -0.004 | PASS |
| Band7 | 10 | 21400 | 50 | #0 | 16QAM | NV | 30  | -6.49  | -0.003 | PASS |
| Band7 | 10 | 21400 | 50 | #0 | 16QAM | NV | 40  | -1.96  | -0.001 | PASS |
| Band7 | 10 | 21400 | 50 | #0 | 16QAM | NV | 50  | -0.19  | 0.000  | PASS |
| Band7 | 15 | 20825 | 75 | #0 | QPSK  | NV | -30 | -14.96 | -0.006 | PASS |
| Band7 | 15 | 20825 | 75 | #0 | QPSK  | NV | -20 | -8.64  | -0.003 | PASS |
| Band7 | 15 | 20825 | 75 | #0 | QPSK  | NV | -10 | -13.52 | -0.005 | PASS |
| Band7 | 15 | 20825 | 75 | #0 | QPSK  | NV | 0   | -11.92 | -0.005 | PASS |
| Band7 | 15 | 20825 | 75 | #0 | QPSK  | NV | 10  | -8.73  | -0.003 | PASS |
| Band7 | 15 | 20825 | 75 | #0 | QPSK  | NV | 20  | -9.16  | -0.004 | PASS |
| Band7 | 15 | 20825 | 75 | #0 | QPSK  | NV | 30  | -9.17  | -0.004 | PASS |
| Band7 | 15 | 20825 | 75 | #0 | QPSK  | NV | 40  | -13.29 | -0.005 | PASS |
| Band7 | 15 | 20825 | 75 | #0 | QPSK  | NV | 50  | -12.17 | -0.005 | PASS |
| Band7 | 15 | 20825 | 75 | #0 | 16QAM | NV | -30 | -5.94  | -0.002 | PASS |
| Band7 | 15 | 20825 | 75 | #0 | 16QAM | NV | -20 | -6.98  | -0.003 | PASS |
| Band7 | 15 | 20825 | 75 | #0 | 16QAM | NV | -10 | -14.28 | -0.006 | PASS |
| Band7 | 15 | 20825 | 75 | #0 | 16QAM | NV | 0   | -10.04 | -0.004 | PASS |
| Band7 | 15 | 20825 | 75 | #0 | 16QAM | NV | 10  | -9.61  | -0.004 | PASS |
| Band7 | 15 | 20825 | 75 | #0 | 16QAM | NV | 20  | -5.16  | -0.002 | PASS |
| Band7 | 15 | 20825 | 75 | #0 | 16QAM | NV | 30  | -7.88  | -0.003 | PASS |
| Band7 | 15 | 20825 | 75 | #0 | 16QAM | NV | 40  | -3.03  | -0.001 | PASS |
| Band7 | 15 | 20825 | 75 | #0 | 16QAM | NV | 50  | -12.75 | -0.005 | PASS |
| Band7 | 15 | 21100 | 75 | #0 | QPSK  | NV | -30 | -13.03 | -0.005 | PASS |
| Band7 | 15 | 21100 | 75 | #0 | QPSK  | NV | -20 | -6.82  | -0.003 | PASS |
| Band7 | 15 | 21100 | 75 | #0 | QPSK  | NV | -10 | -3.79  | -0.001 | PASS |
| Band7 | 15 | 21100 | 75 | #0 | QPSK  | NV | 0   | -2.46  | -0.001 | PASS |
| Band7 | 15 | 21100 | 75 | #0 | QPSK  | NV | 10  | -4.58  | -0.002 | PASS |
| Band7 | 15 | 21100 | 75 | #0 | QPSK  | NV | 20  | -6.41  | -0.003 | PASS |
| Band7 | 15 | 21100 | 75 | #0 | QPSK  | NV | 30  | -4.66  | -0.002 | PASS |
| Band7 | 15 | 21100 | 75 | #0 | QPSK  | NV | 40  | 4.23   | 0.002  | PASS |
| Band7 | 15 | 21100 | 75 | #0 | QPSK  | NV | 50  | -6.17  | -0.002 | PASS |
| Band7 | 15 | 21100 | 75 | #0 | 16QAM | NV | -30 | -2.36  | -0.001 | PASS |
| Band7 | 15 | 21100 | 75 | #0 | 16QAM | NV | -20 | -0.79  | 0.000  | PASS |
| Band7 | 15 | 21100 | 75 | #0 | 16QAM | NV | -10 | -1.30  | -0.001 | PASS |
| Band7 | 15 | 21100 | 75 | #0 | 16QAM | NV | 0   | -9.93  | -0.004 | PASS |
| Band7 | 15 | 21100 | 75 | #0 | 16QAM | NV | 10  | -1.65  | -0.001 | PASS |
| Band7 | 15 | 21100 | 75 | #0 | 16QAM | NV | 20  | -14.49 | -0.006 | PASS |
| Band7 | 15 | 21100 | 75 | #0 | 16QAM | NV | 30  | -4.33  | -0.002 | PASS |

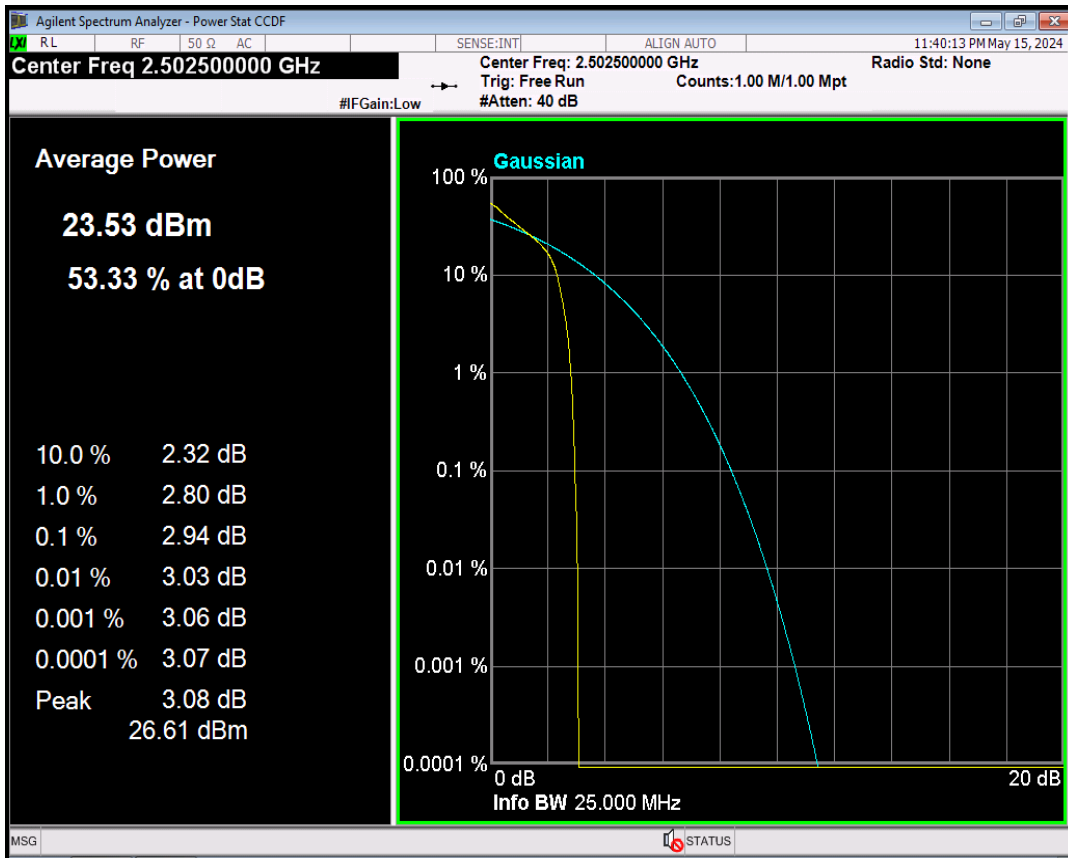
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|-------|----|-------|-----|----|-------|----|-----|--------|--------|------|
| Band7 | 15 | 21100 | 75  | #0 | 16QAM | NV | 40  | -5.72  | -0.002 | PASS |
| Band7 | 15 | 21100 | 75  | #0 | 16QAM | NV | 50  | -8.74  | -0.003 | PASS |
| Band7 | 15 | 21375 | 75  | #0 | QPSK  | NV | -30 | -0.73  | 0.000  | PASS |
| Band7 | 15 | 21375 | 75  | #0 | QPSK  | NV | -20 | -1.96  | -0.001 | PASS |
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| Band7 | 15 | 21375 | 75  | #0 | QPSK  | NV | 10  | -2.62  | -0.001 | PASS |
| Band7 | 15 | 21375 | 75  | #0 | QPSK  | NV | 20  | -2.80  | -0.001 | PASS |
| Band7 | 15 | 21375 | 75  | #0 | QPSK  | NV | 30  | -7.94  | -0.003 | PASS |
| Band7 | 15 | 21375 | 75  | #0 | QPSK  | NV | 40  | -8.28  | -0.003 | PASS |
| Band7 | 15 | 21375 | 75  | #0 | QPSK  | NV | 50  | -2.93  | -0.001 | PASS |
| Band7 | 15 | 21375 | 75  | #0 | 16QAM | NV | -30 | -0.60  | 0.000  | PASS |
| Band7 | 15 | 21375 | 75  | #0 | 16QAM | NV | -20 | -3.18  | -0.001 | PASS |
| Band7 | 15 | 21375 | 75  | #0 | 16QAM | NV | -10 | -6.71  | -0.003 | PASS |
| Band7 | 15 | 21375 | 75  | #0 | 16QAM | NV | 0   | -11.82 | -0.005 | PASS |
| Band7 | 15 | 21375 | 75  | #0 | 16QAM | NV | 10  | -6.81  | -0.003 | PASS |
| Band7 | 15 | 21375 | 75  | #0 | 16QAM | NV | 20  | -4.59  | -0.002 | PASS |
| Band7 | 15 | 21375 | 75  | #0 | 16QAM | NV | 30  | -14.15 | -0.006 | PASS |
| Band7 | 15 | 21375 | 75  | #0 | 16QAM | NV | 40  | -3.18  | -0.001 | PASS |
| Band7 | 15 | 21375 | 75  | #0 | 16QAM | NV | 50  | 2.80   | 0.001  | PASS |
| Band7 | 20 | 20850 | 100 | #0 | QPSK  | NV | -30 | -4.49  | -0.002 | PASS |
| Band7 | 20 | 20850 | 100 | #0 | QPSK  | NV | -20 | -4.08  | -0.002 | PASS |
| Band7 | 20 | 20850 | 100 | #0 | QPSK  | NV | -10 | -5.09  | -0.002 | PASS |
| Band7 | 20 | 20850 | 100 | #0 | QPSK  | NV | 0   | -1.20  | 0.000  | PASS |
| Band7 | 20 | 20850 | 100 | #0 | QPSK  | NV | 10  | -1.59  | -0.001 | PASS |
| Band7 | 20 | 20850 | 100 | #0 | QPSK  | NV | 20  | -7.77  | -0.003 | PASS |
| Band7 | 20 | 20850 | 100 | #0 | QPSK  | NV | 30  | -3.43  | -0.001 | PASS |
| Band7 | 20 | 20850 | 100 | #0 | QPSK  | NV | 40  | 0.87   | 0.000  | PASS |
| Band7 | 20 | 20850 | 100 | #0 | QPSK  | NV | 50  | -2.63  | -0.001 | PASS |
| Band7 | 20 | 20850 | 100 | #0 | 16QAM | NV | -30 | 1.33   | 0.001  | PASS |
| Band7 | 20 | 20850 | 100 | #0 | 16QAM | NV | -20 | -5.31  | -0.002 | PASS |
| Band7 | 20 | 20850 | 100 | #0 | 16QAM | NV | -10 | -5.14  | -0.002 | PASS |
| Band7 | 20 | 20850 | 100 | #0 | 16QAM | NV | 0   | -4.84  | -0.002 | PASS |
| Band7 | 20 | 20850 | 100 | #0 | 16QAM | NV | 10  | -5.84  | -0.002 | PASS |
| Band7 | 20 | 20850 | 100 | #0 | 16QAM | NV | 20  | -8.43  | -0.003 | PASS |
| Band7 | 20 | 20850 | 100 | #0 | 16QAM | NV | 30  | -10.83 | -0.004 | PASS |
| Band7 | 20 | 20850 | 100 | #0 | 16QAM | NV | 40  | 3.65   | 0.001  | PASS |
| Band7 | 20 | 20850 | 100 | #0 | 16QAM | NV | 50  | -8.81  | -0.004 | PASS |
| Band7 | 20 | 21100 | 100 | #0 | QPSK  | NV | -30 | -10.10 | -0.004 | PASS |
| Band7 | 20 | 21100 | 100 | #0 | QPSK  | NV | -20 | -5.65  | -0.002 | PASS |
| Band7 | 20 | 21100 | 100 | #0 | QPSK  | NV | -10 | 1.13   | 0.000  | PASS |
| Band7 | 20 | 21100 | 100 | #0 | QPSK  | NV | 0   | -2.22  | -0.001 | PASS |

|       |    |       |     |    |       |    |     |        |        |      |
|-------|----|-------|-----|----|-------|----|-----|--------|--------|------|
| Band7 | 20 | 21100 | 100 | #0 | QPSK  | NV | 10  | -2.88  | -0.001 | PASS |
| Band7 | 20 | 21100 | 100 | #0 | QPSK  | NV | 20  | -3.33  | -0.001 | PASS |
| Band7 | 20 | 21100 | 100 | #0 | QPSK  | NV | 30  | -5.32  | -0.002 | PASS |
| Band7 | 20 | 21100 | 100 | #0 | QPSK  | NV | 40  | -5.87  | -0.002 | PASS |
| Band7 | 20 | 21100 | 100 | #0 | QPSK  | NV | 50  | -2.26  | -0.001 | PASS |
| Band7 | 20 | 21100 | 100 | #0 | 16QAM | NV | -30 | 0.46   | 0.000  | PASS |
| Band7 | 20 | 21100 | 100 | #0 | 16QAM | NV | -20 | -2.73  | -0.001 | PASS |
| Band7 | 20 | 21100 | 100 | #0 | 16QAM | NV | -10 | -12.37 | -0.005 | PASS |
| Band7 | 20 | 21100 | 100 | #0 | 16QAM | NV | 0   | -0.51  | 0.000  | PASS |
| Band7 | 20 | 21100 | 100 | #0 | 16QAM | NV | 10  | -7.80  | -0.003 | PASS |
| Band7 | 20 | 21100 | 100 | #0 | 16QAM | NV | 20  | -9.57  | -0.004 | PASS |
| Band7 | 20 | 21100 | 100 | #0 | 16QAM | NV | 30  | -5.38  | -0.002 | PASS |
| Band7 | 20 | 21100 | 100 | #0 | 16QAM | NV | 40  | 1.75   | 0.001  | PASS |
| Band7 | 20 | 21100 | 100 | #0 | 16QAM | NV | 50  | -5.94  | -0.002 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | QPSK  | NV | -30 | -14.28 | -0.006 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | QPSK  | NV | -20 | -12.37 | -0.005 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | QPSK  | NV | -10 | -6.25  | -0.002 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | QPSK  | NV | 0   | -2.75  | -0.001 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | QPSK  | NV | 10  | 0.06   | 0.000  | PASS |
| Band7 | 20 | 21350 | 100 | #0 | QPSK  | NV | 20  | -8.80  | -0.003 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | QPSK  | NV | 30  | -8.53  | -0.003 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | QPSK  | NV | 40  | -8.03  | -0.003 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | QPSK  | NV | 50  | -7.17  | -0.003 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | 16QAM | NV | -30 | -2.46  | -0.001 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | 16QAM | NV | -20 | -7.41  | -0.003 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | 16QAM | NV | -10 | -8.65  | -0.003 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | 16QAM | NV | 0   | -9.14  | -0.004 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | 16QAM | NV | 10  | -2.36  | -0.001 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | 16QAM | NV | 20  | -7.27  | -0.003 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | 16QAM | NV | 30  | -8.64  | -0.003 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | 16QAM | NV | 40  | -1.36  | -0.001 | PASS |
| Band7 | 20 | 21350 | 100 | #0 | 16QAM | NV | 50  | -3.95  | -0.002 | PASS |

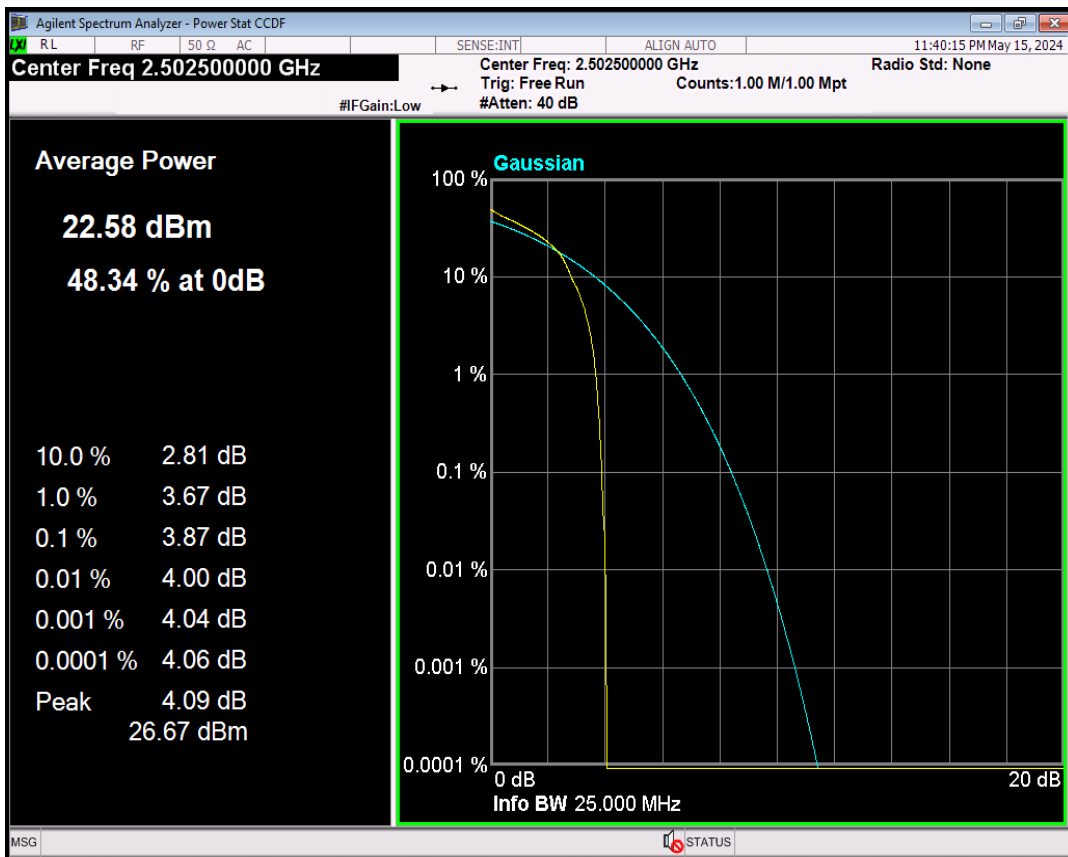
### Appendix 3. Peak-to-Average Ratio

| Band  | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Result (dB) | high Limit (dB) | Verdict |
|-------|-----------------|------------|---------|-------------|------------|-------------|-----------------|---------|
| Band7 | 5               | 20775      | 1       | #0          | QPSK       | 2.94        | 13              | PASS    |
| Band7 | 5               | 20775      | 1       | #0          | 16QAM      | 3.87        | 13              | PASS    |
| Band7 | 5               | 21100      | 1       | #0          | QPSK       | 3.65        | 13              | PASS    |
| Band7 | 5               | 21100      | 1       | #0          | 16QAM      | 4.46        | 13              | PASS    |
| Band7 | 5               | 21425      | 1       | #0          | QPSK       | 3.05        | 13              | PASS    |
| Band7 | 5               | 21425      | 1       | #0          | 16QAM      | 3.82        | 13              | PASS    |
| Band7 | 10              | 20800      | 1       | #0          | QPSK       | 2.82        | 13              | PASS    |
| Band7 | 10              | 20800      | 1       | #0          | 16QAM      | 3.89        | 13              | PASS    |
| Band7 | 10              | 21100      | 1       | #0          | QPSK       | 3.35        | 13              | PASS    |
| Band7 | 10              | 21100      | 1       | #0          | 16QAM      | 4.29        | 13              | PASS    |
| Band7 | 10              | 21400      | 1       | #0          | QPSK       | 2.69        | 13              | PASS    |
| Band7 | 10              | 21400      | 1       | #0          | 16QAM      | 3.62        | 13              | PASS    |
| Band7 | 15              | 20825      | 1       | #0          | QPSK       | 2.90        | 13              | PASS    |
| Band7 | 15              | 20825      | 1       | #0          | 16QAM      | 3.86        | 13              | PASS    |
| Band7 | 15              | 21100      | 1       | #0          | QPSK       | 3.06        | 13              | PASS    |
| Band7 | 15              | 21100      | 1       | #0          | 16QAM      | 3.90        | 13              | PASS    |
| Band7 | 15              | 21375      | 1       | #0          | QPSK       | 2.71        | 13              | PASS    |
| Band7 | 15              | 21375      | 1       | #0          | 16QAM      | 3.74        | 13              | PASS    |
| Band7 | 20              | 20850      | 1       | #0          | QPSK       | 3.17        | 13              | PASS    |
| Band7 | 20              | 20850      | 1       | #0          | 16QAM      | 3.97        | 13              | PASS    |
| Band7 | 20              | 21100      | 1       | #0          | QPSK       | 2.90        | 13              | PASS    |
| Band7 | 20              | 21100      | 1       | #0          | 16QAM      | 3.84        | 13              | PASS    |
| Band7 | 20              | 21350      | 1       | #0          | QPSK       | 3.53        | 13              | PASS    |
| Band7 | 20              | 21350      | 1       | #0          | 16QAM      | 4.58        | 13              | PASS    |

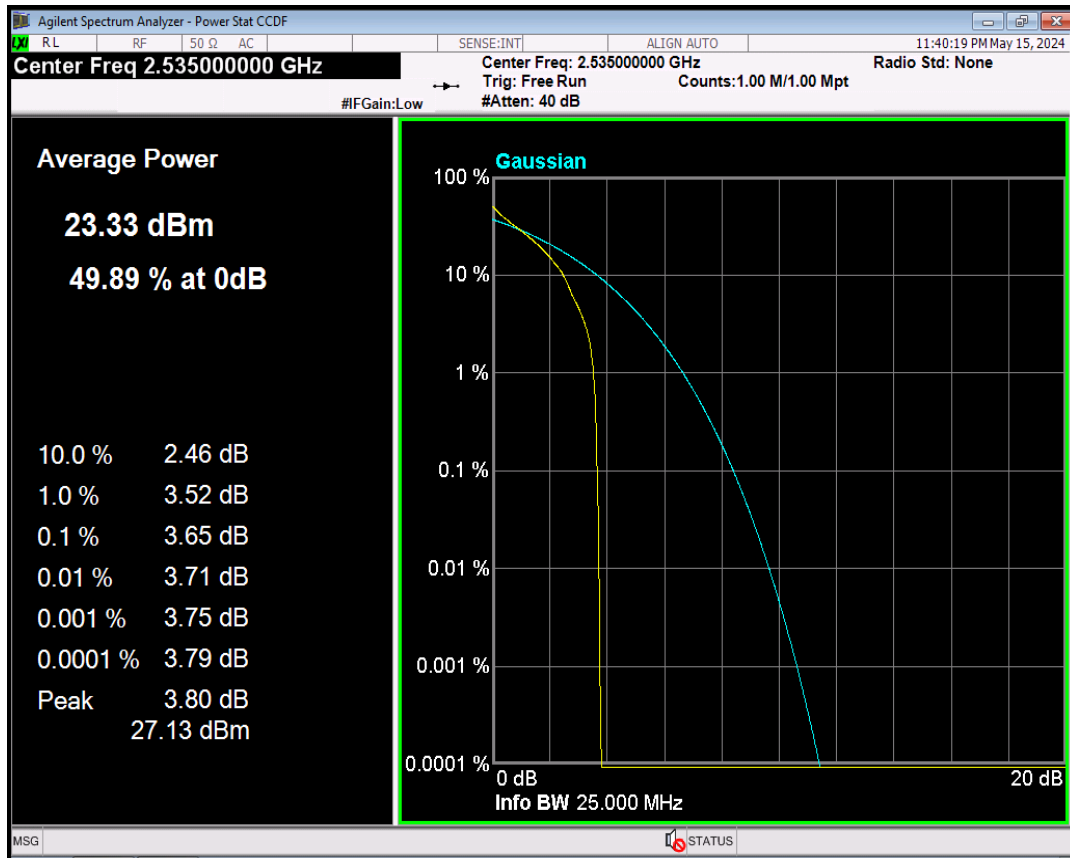
Band7 QPSK BW=5MHz Channel=20775 RB Size=1 Position=#0



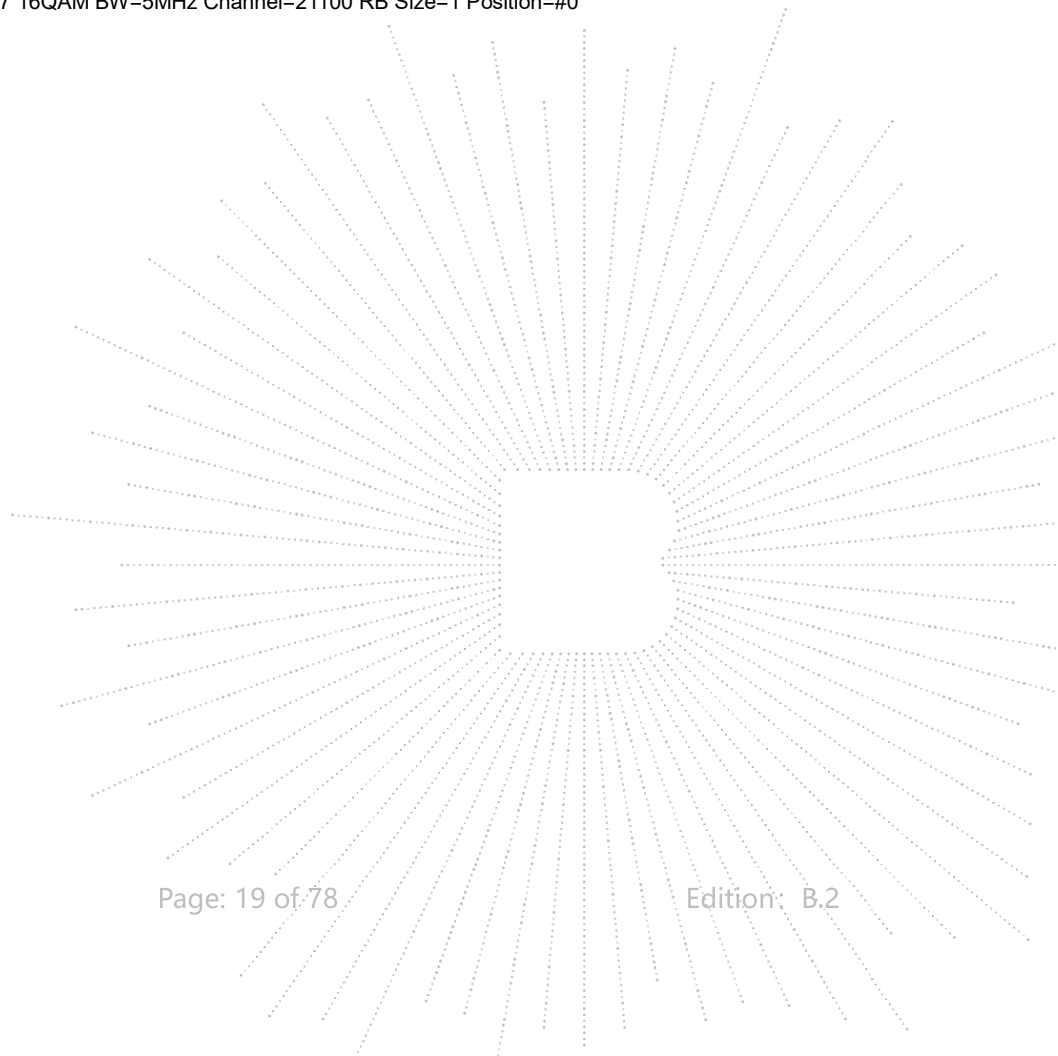
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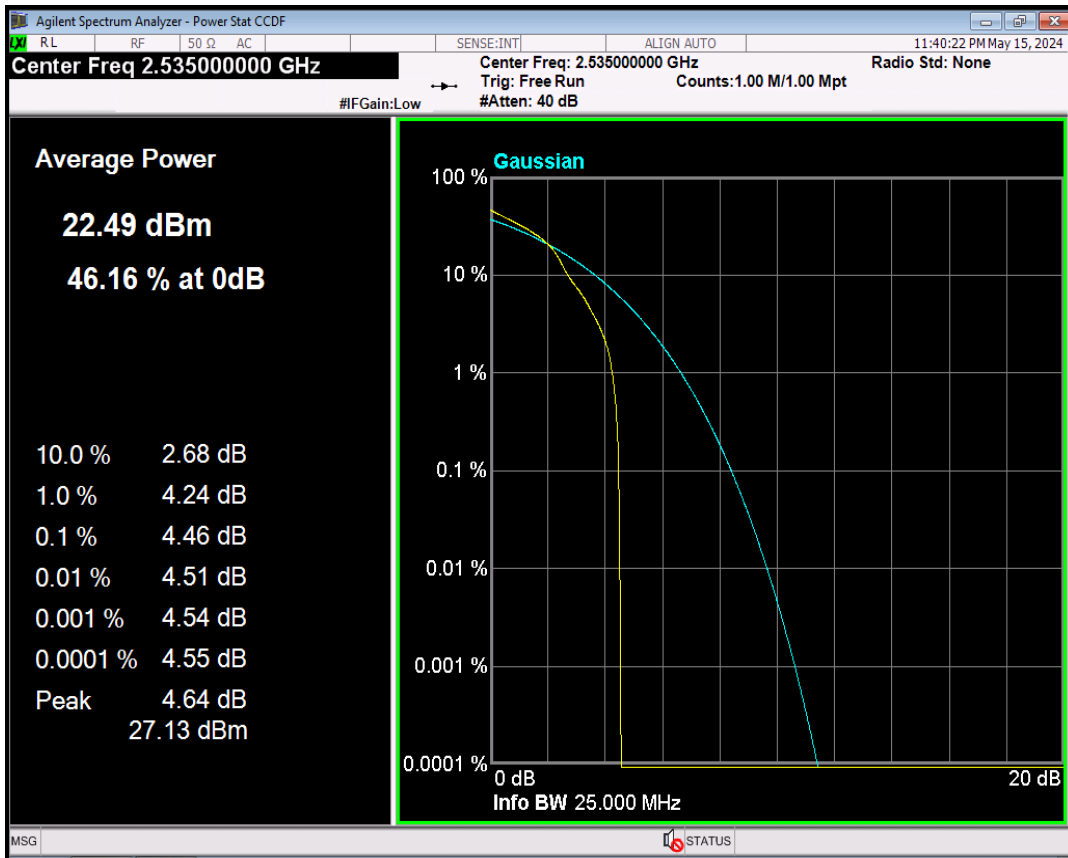


Band7 QPSK BW=5MHz Channel=21100 RB Size=1 Position=#0

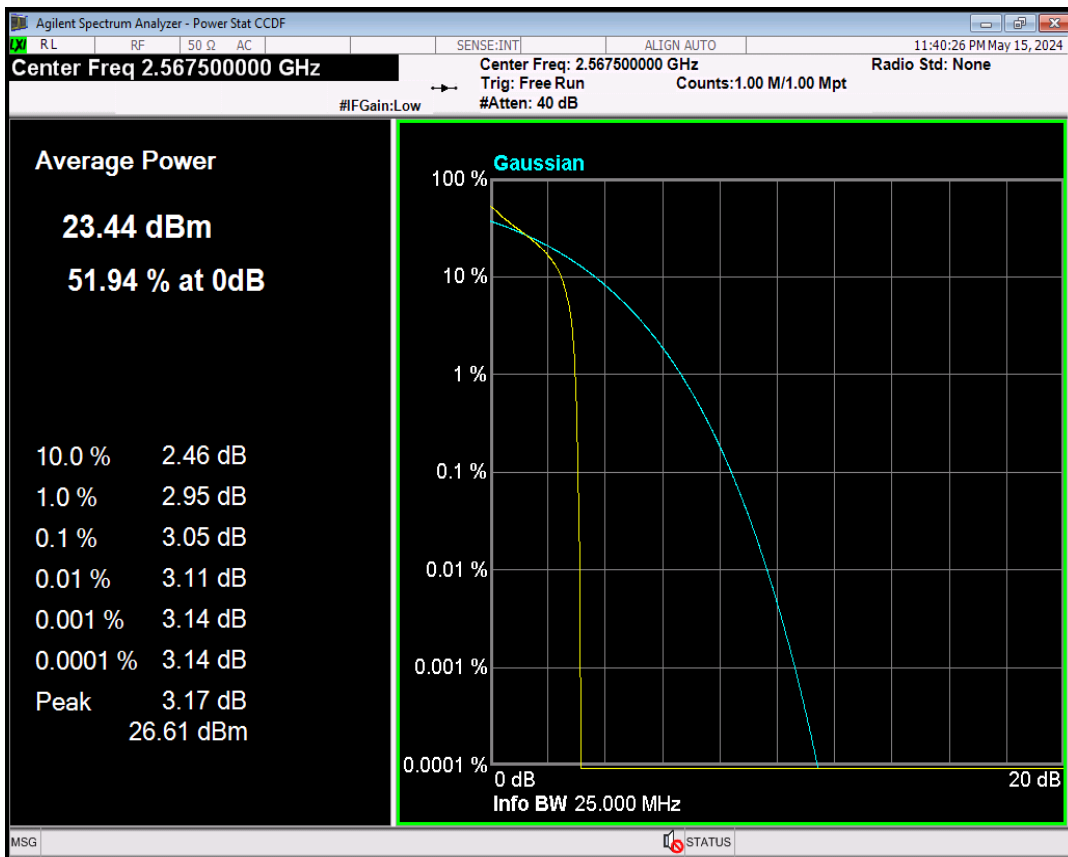


Band7 16QAM BW=5MHz Channel=21100 RB Size=1 Position=#0

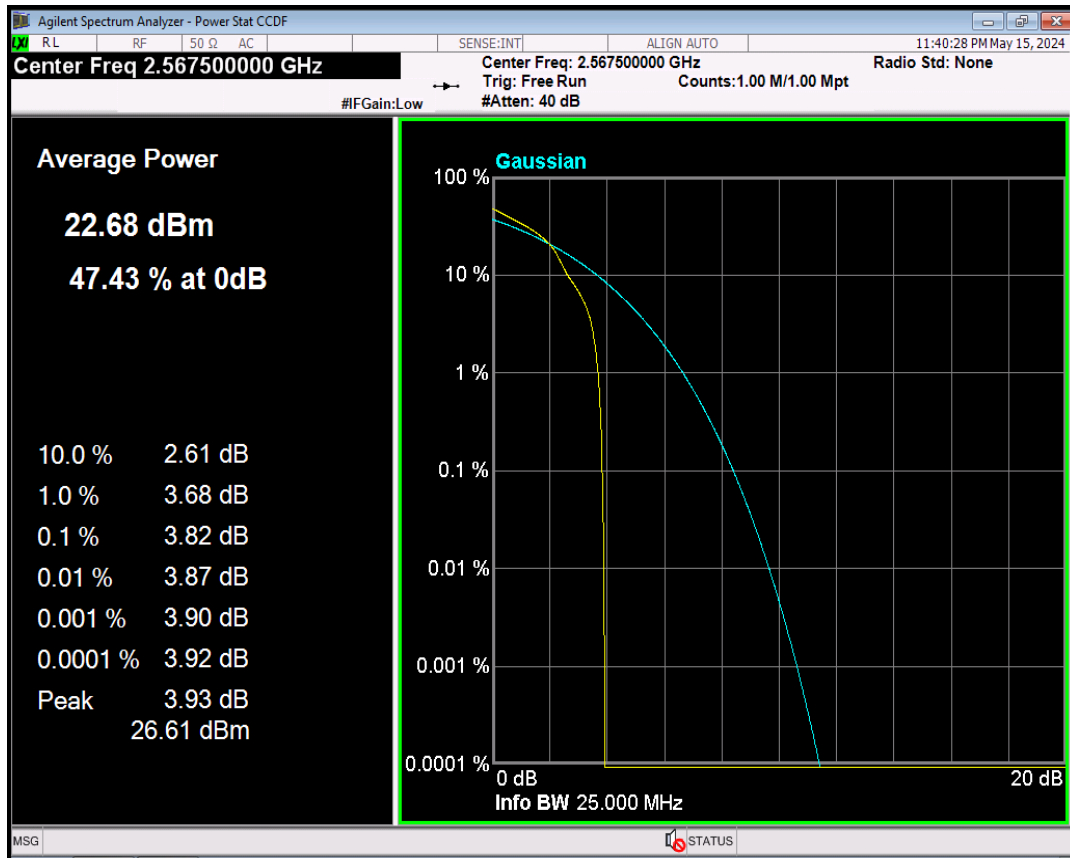




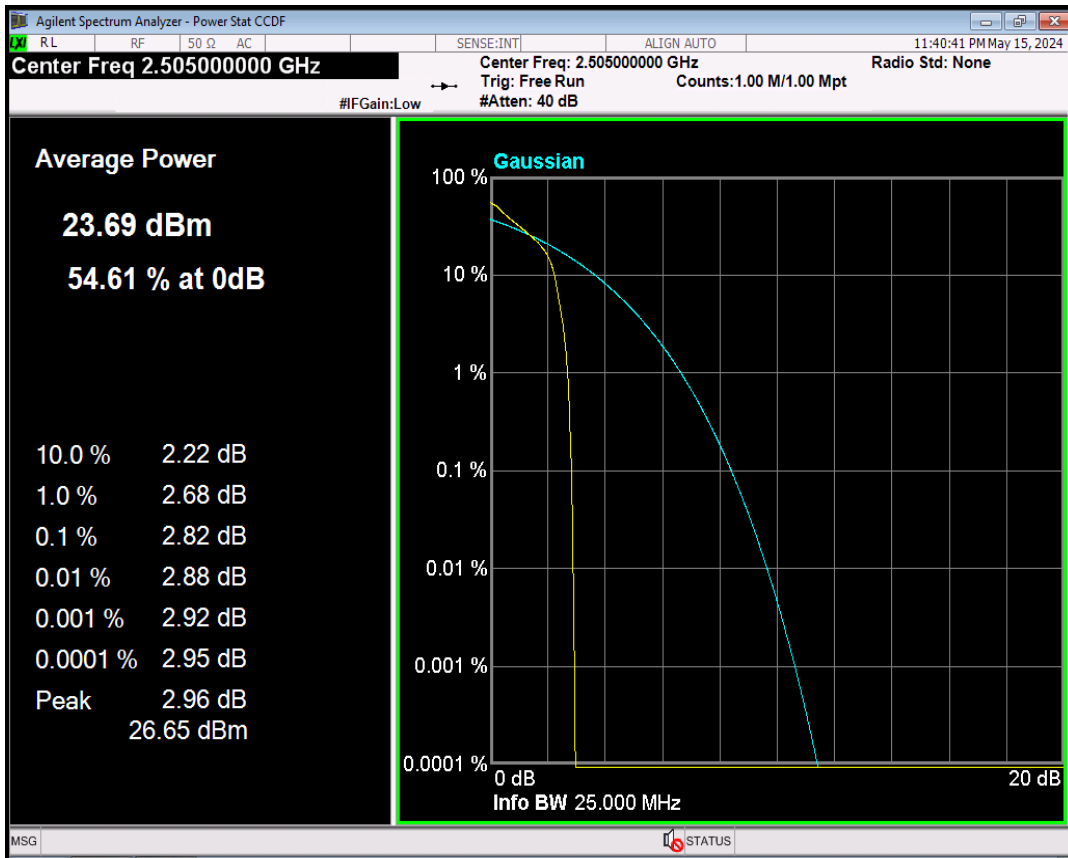
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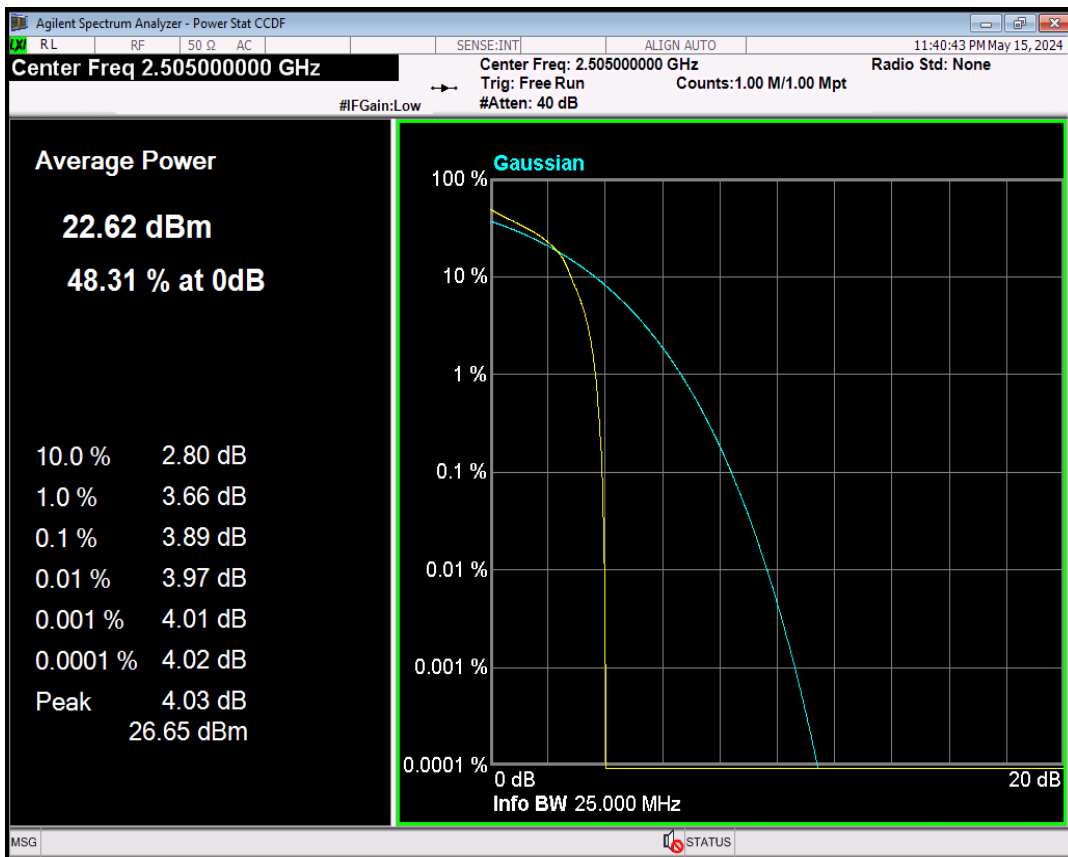
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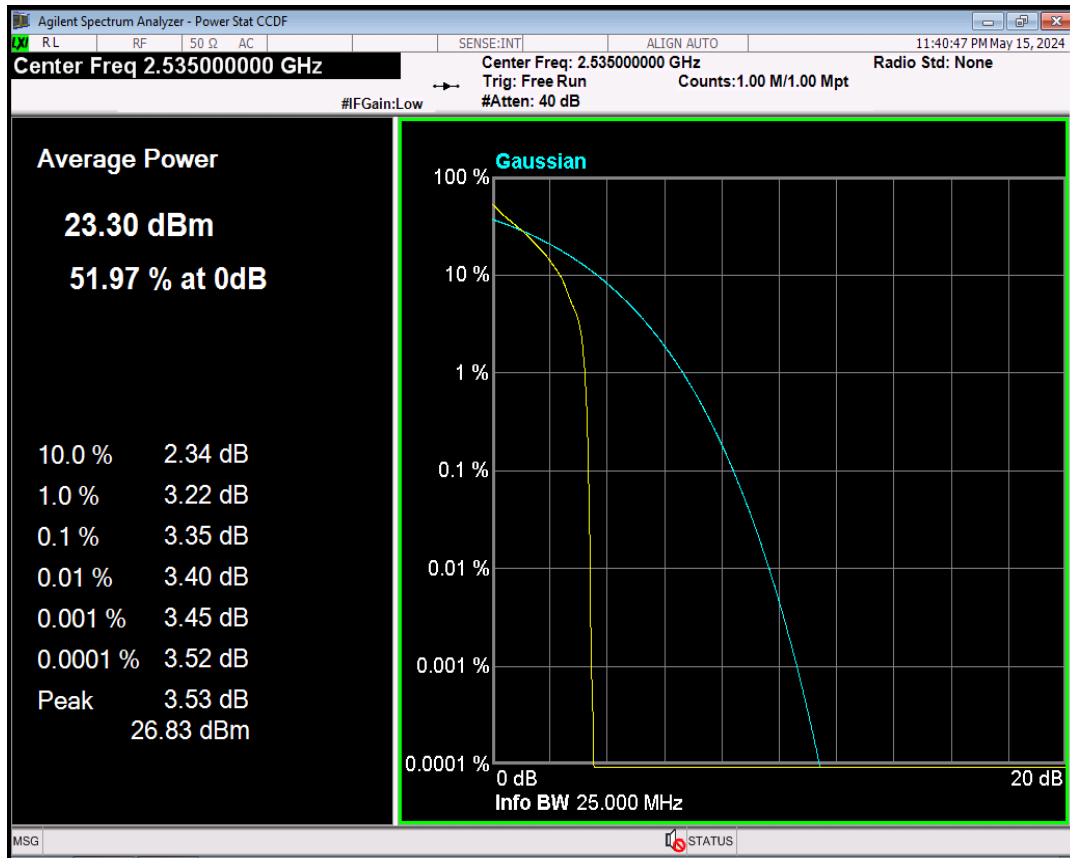
Band7 QPSK BW=10MHz Channel=20800 RB Size=1 Position=#0



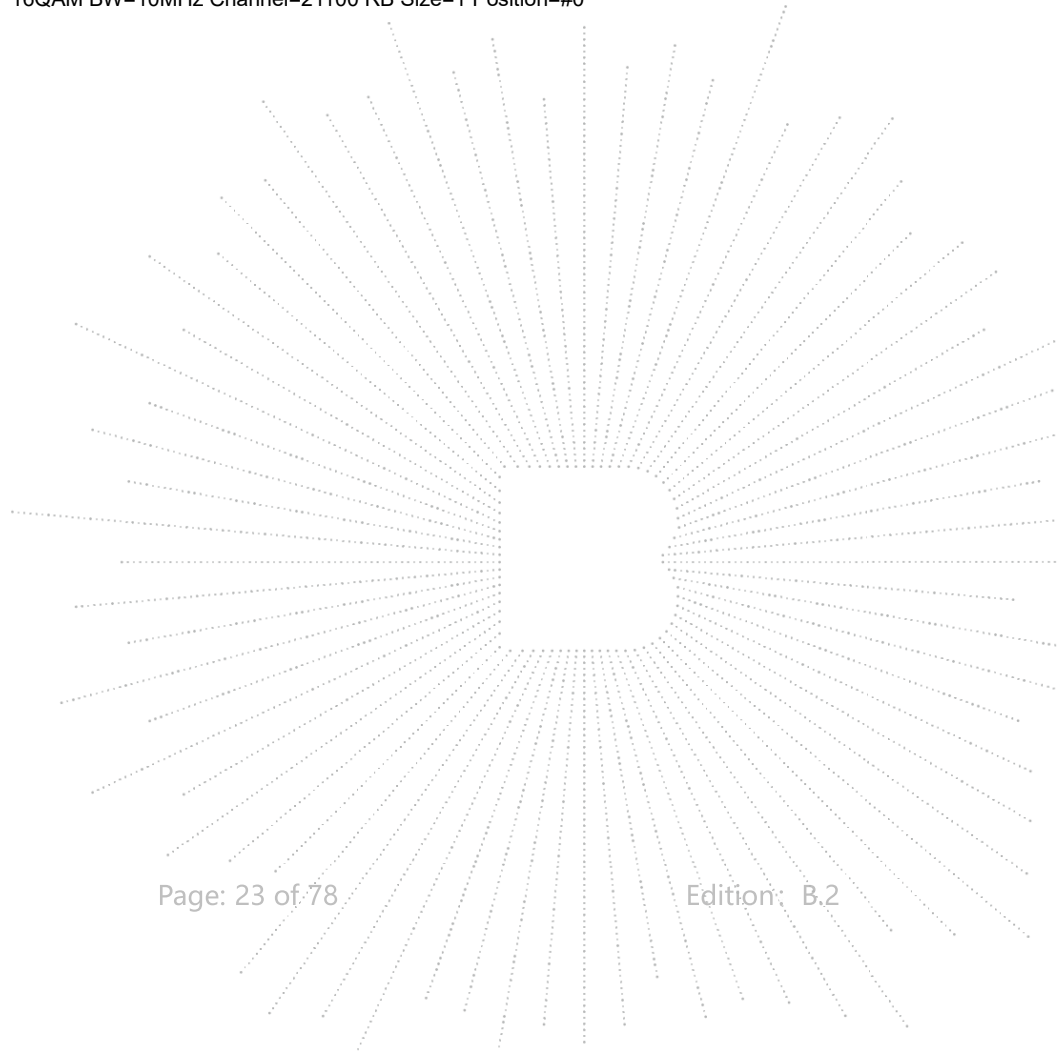
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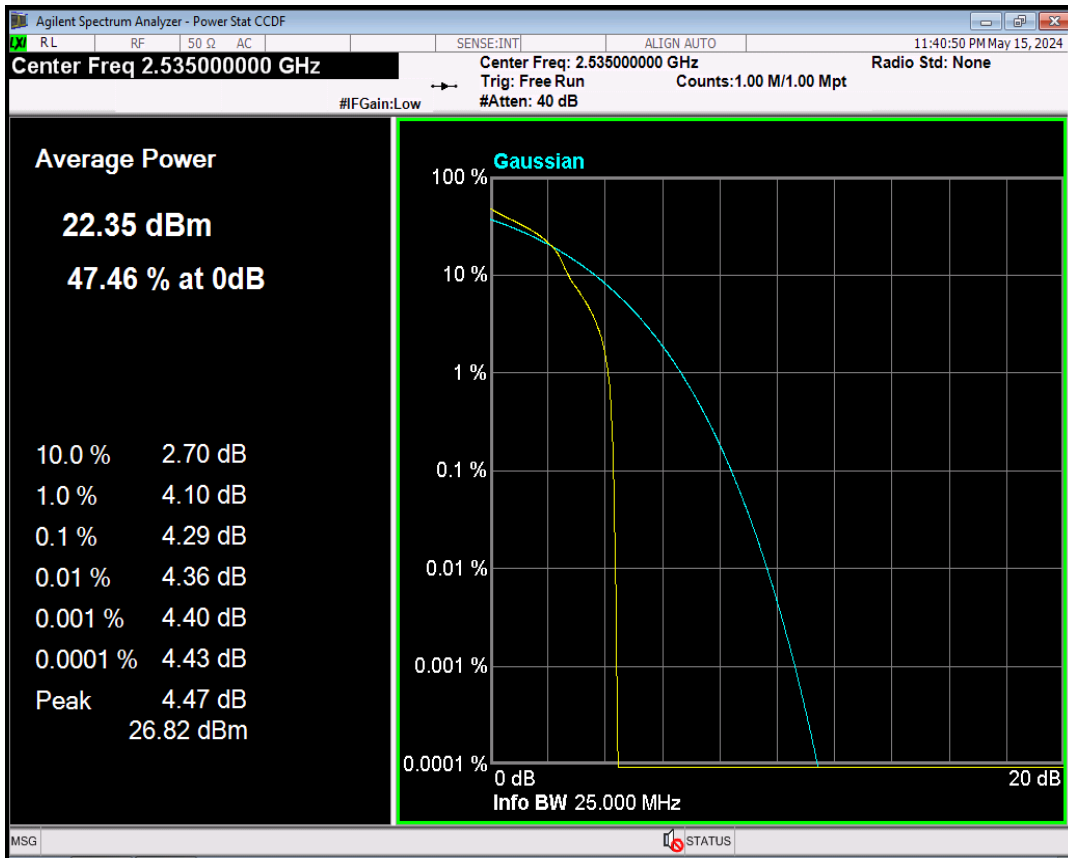


Band7 QPSK BW=10MHz Channel=21100 RB Size=1 Position=#0

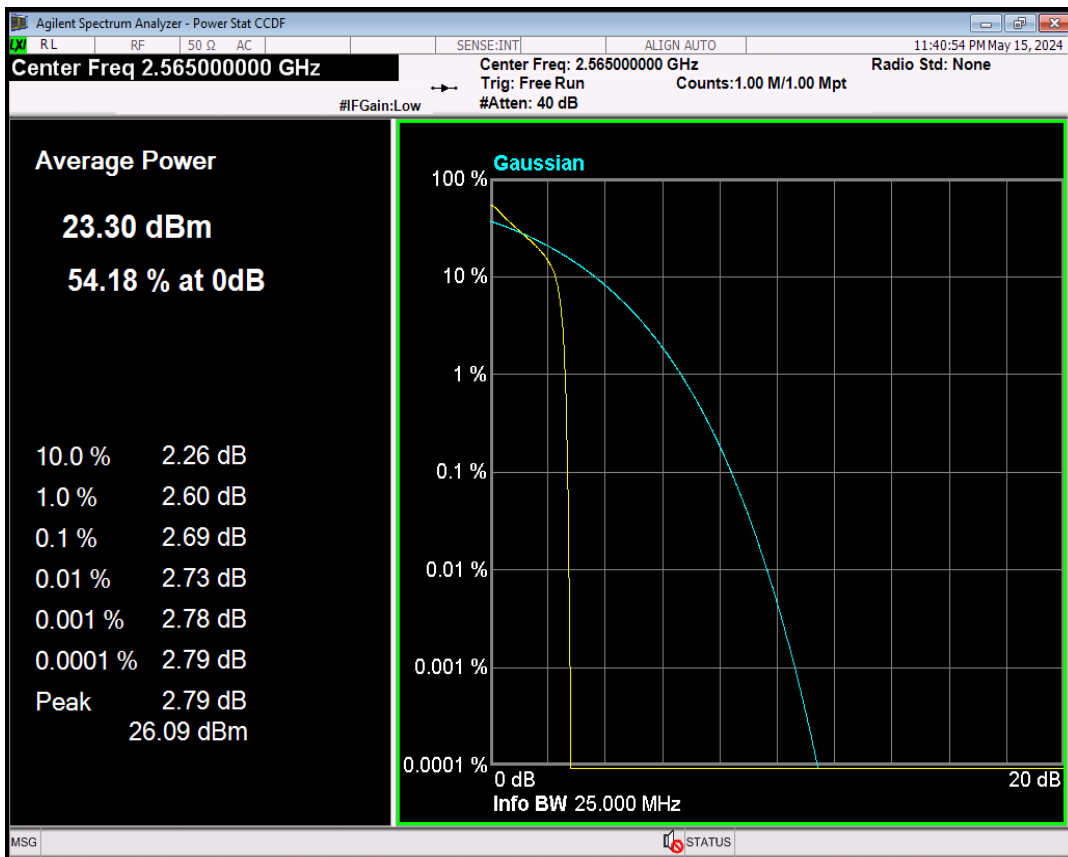


Band7 16QAM BW=10MHz Channel=21100 RB Size=1 Position=#0

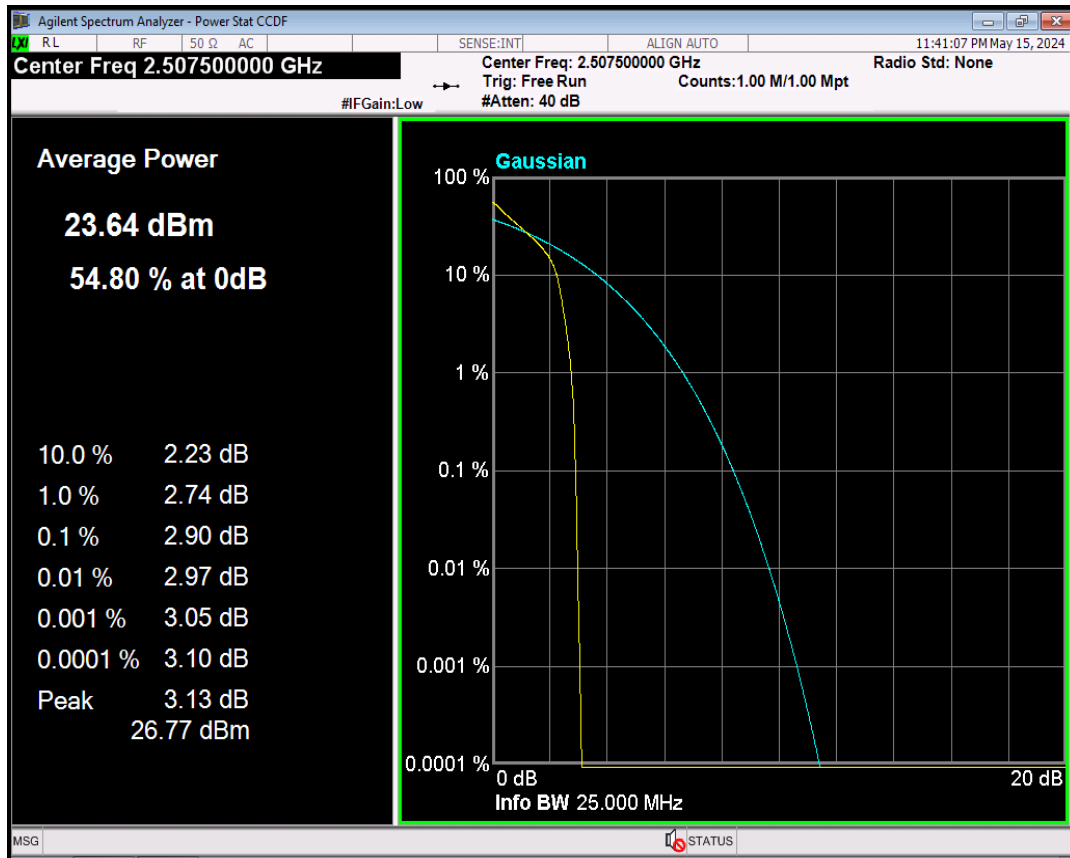




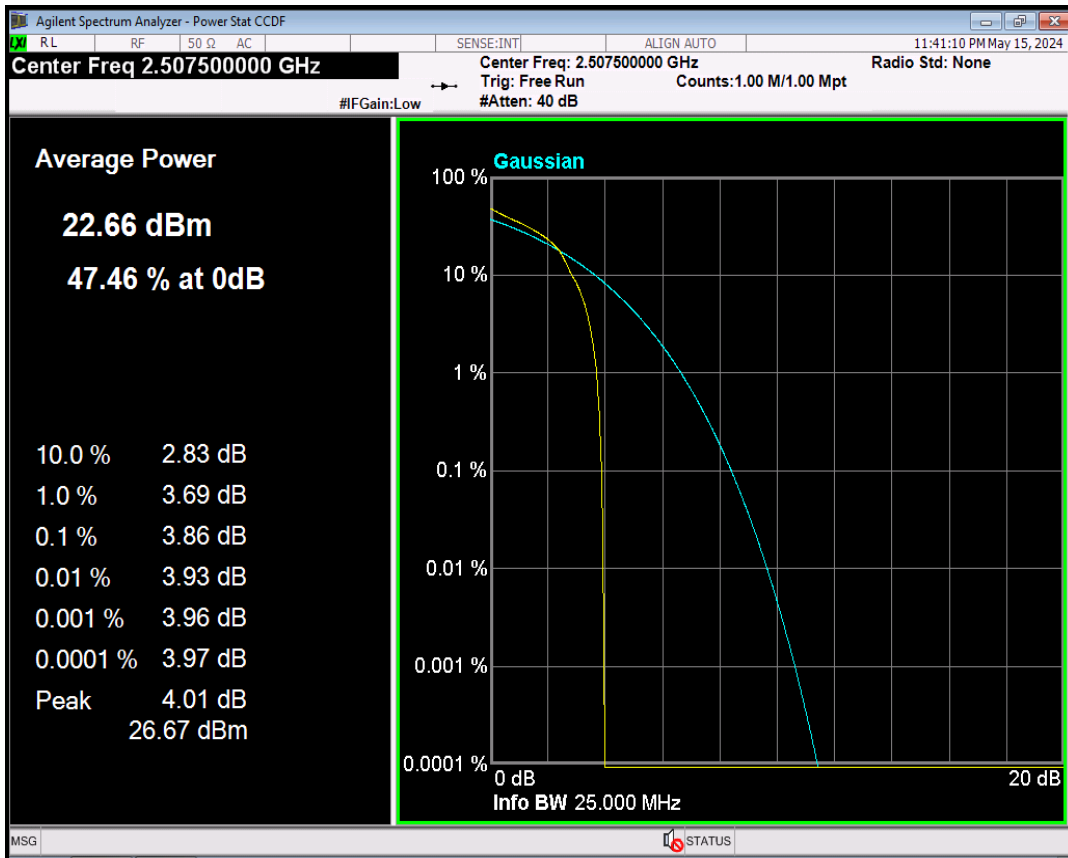
Band7 QPSK BW=10MHz Channel=21400 RB Size=1 Position=#0



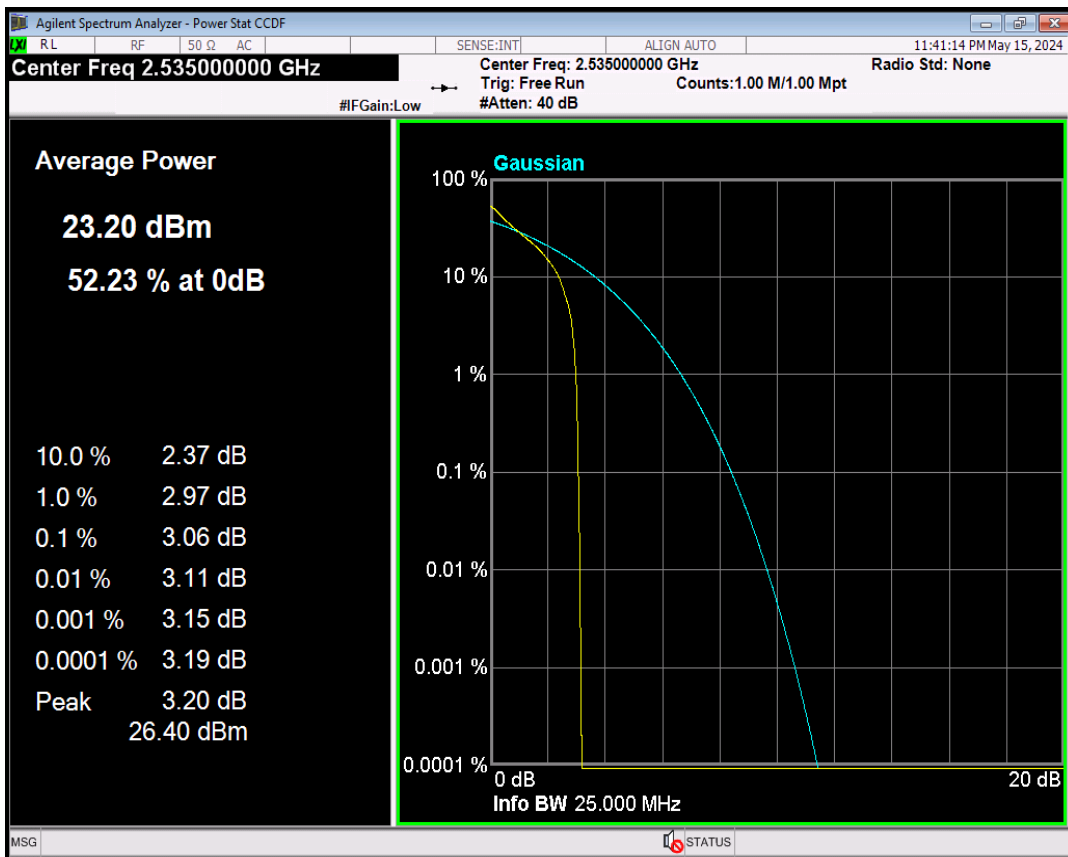
Band7 QPSK BW=15MHz Channel=20825 RB Size=1 Position=#0



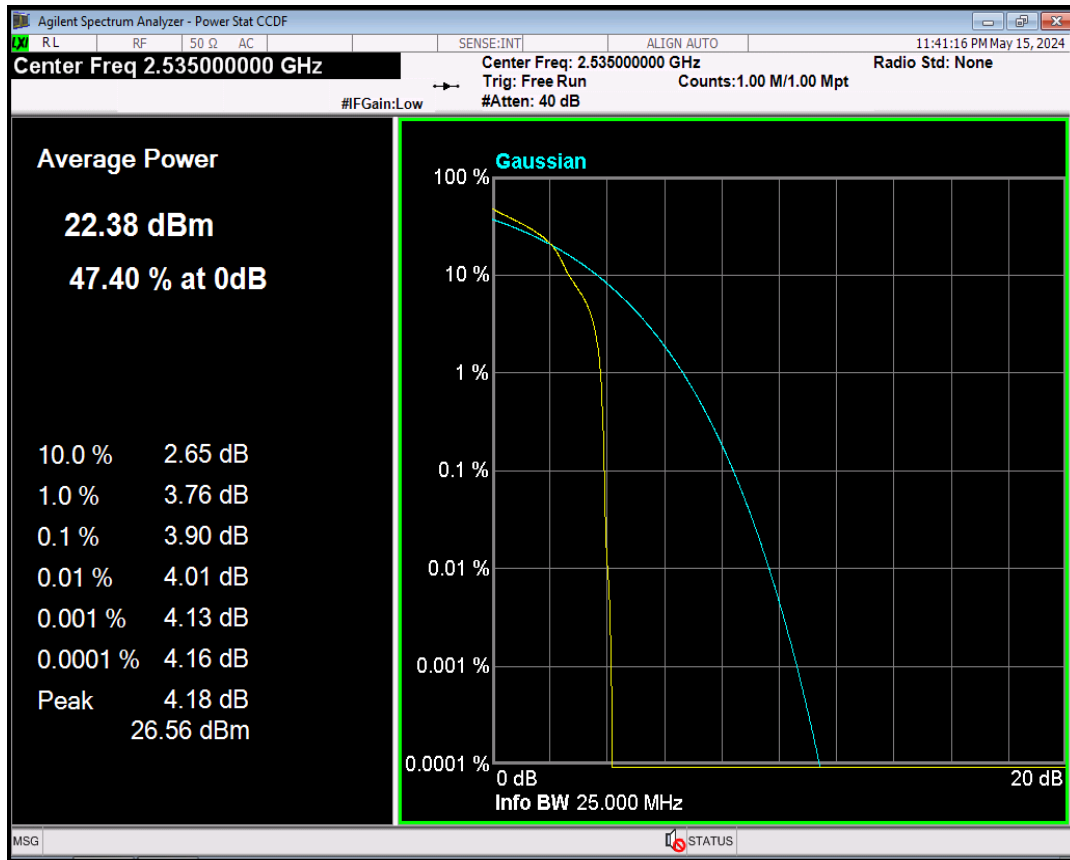
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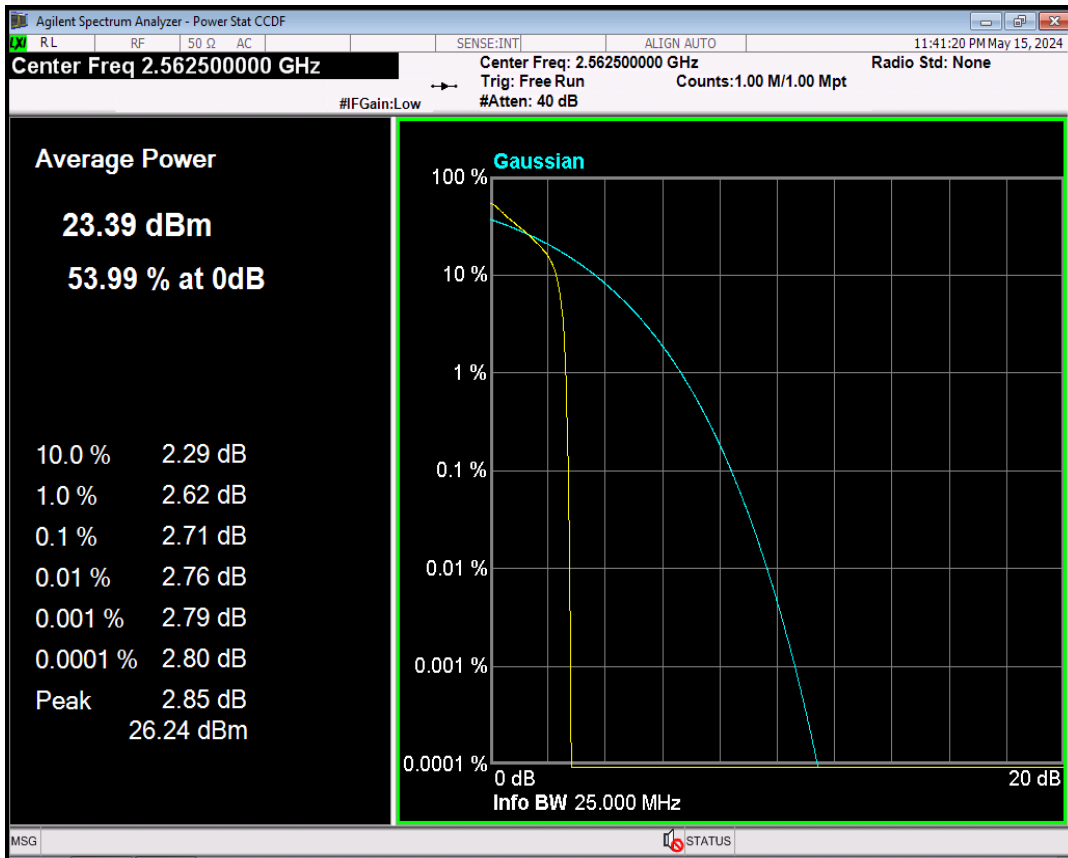
Band7 QPSK BW=15MHz Channel=21100 RB Size=1 Position=#0



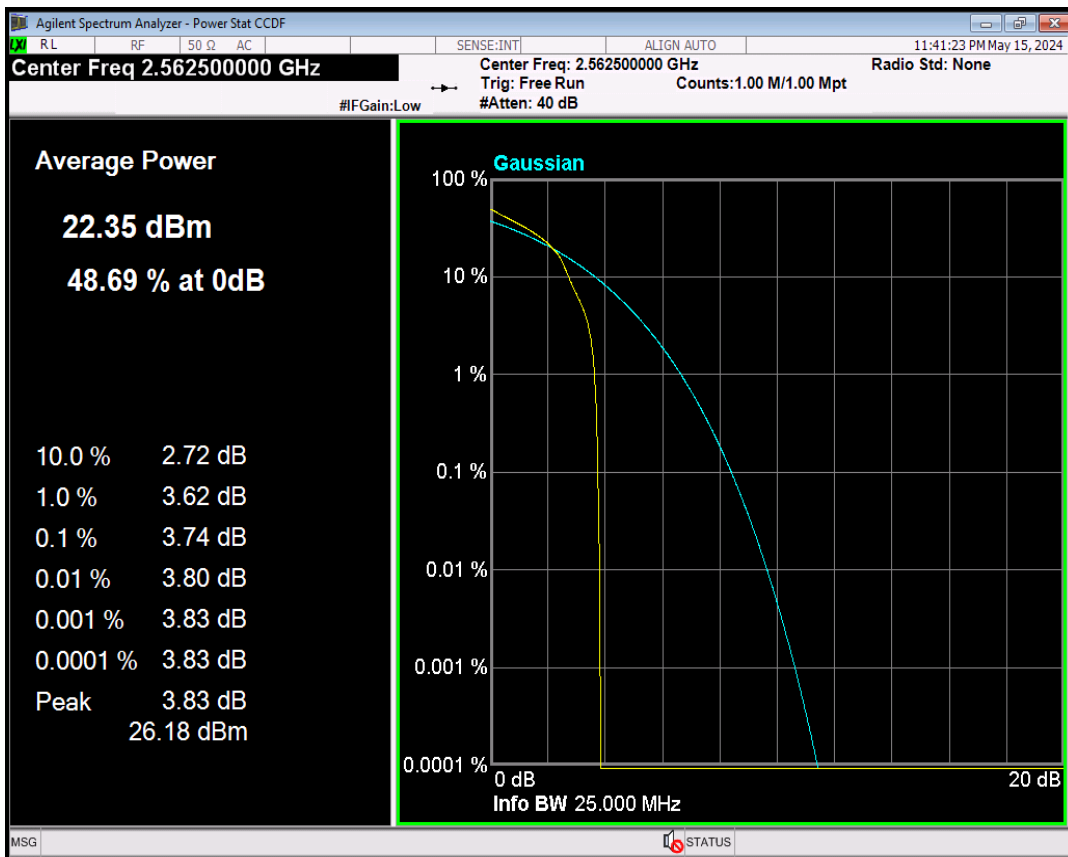
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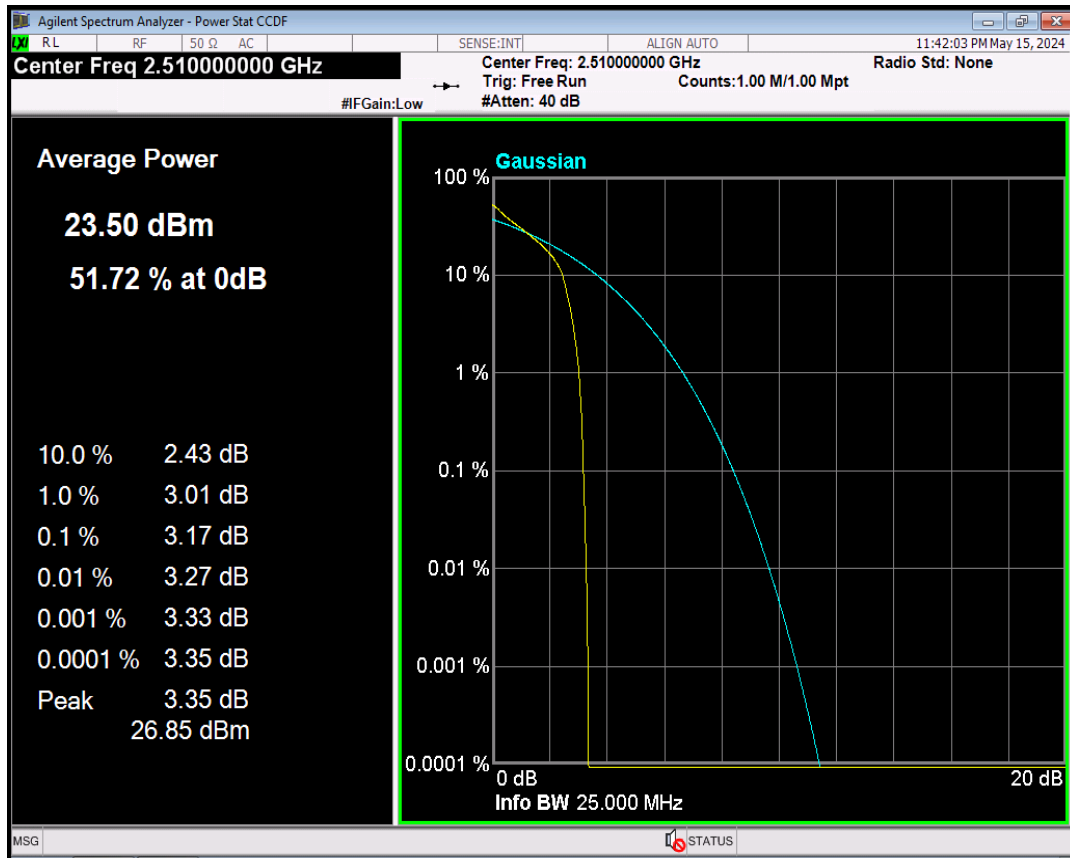
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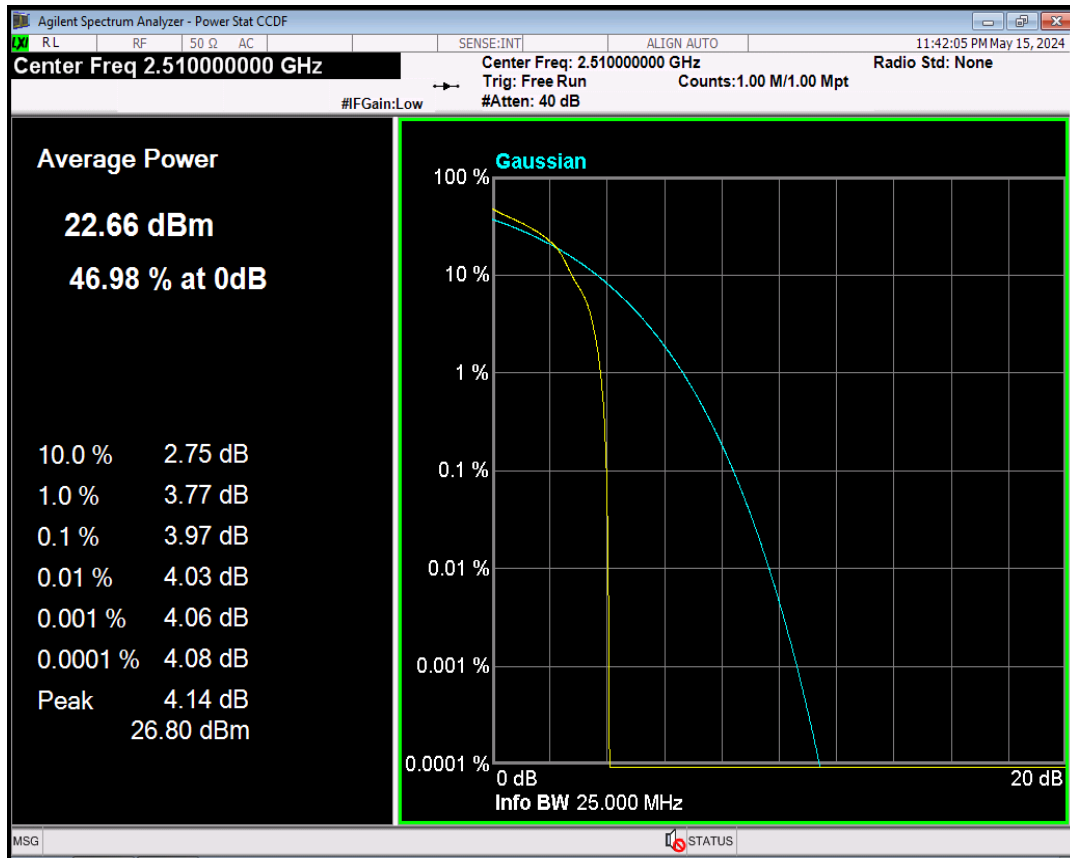
Band7 16QAM BW=15MHz Channel=21375 RB Size=1 Position=#0



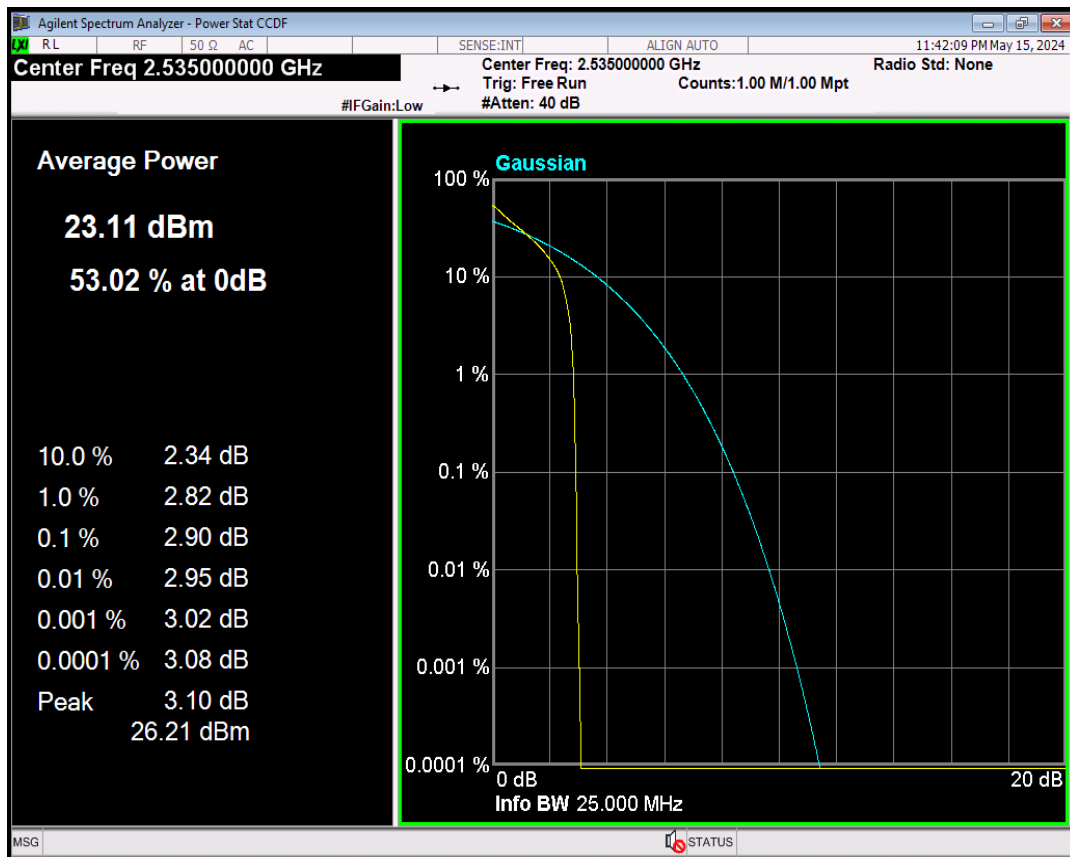
Band7 QPSK BW=20MHz Channel=20850 RB Size=1 Position=#0



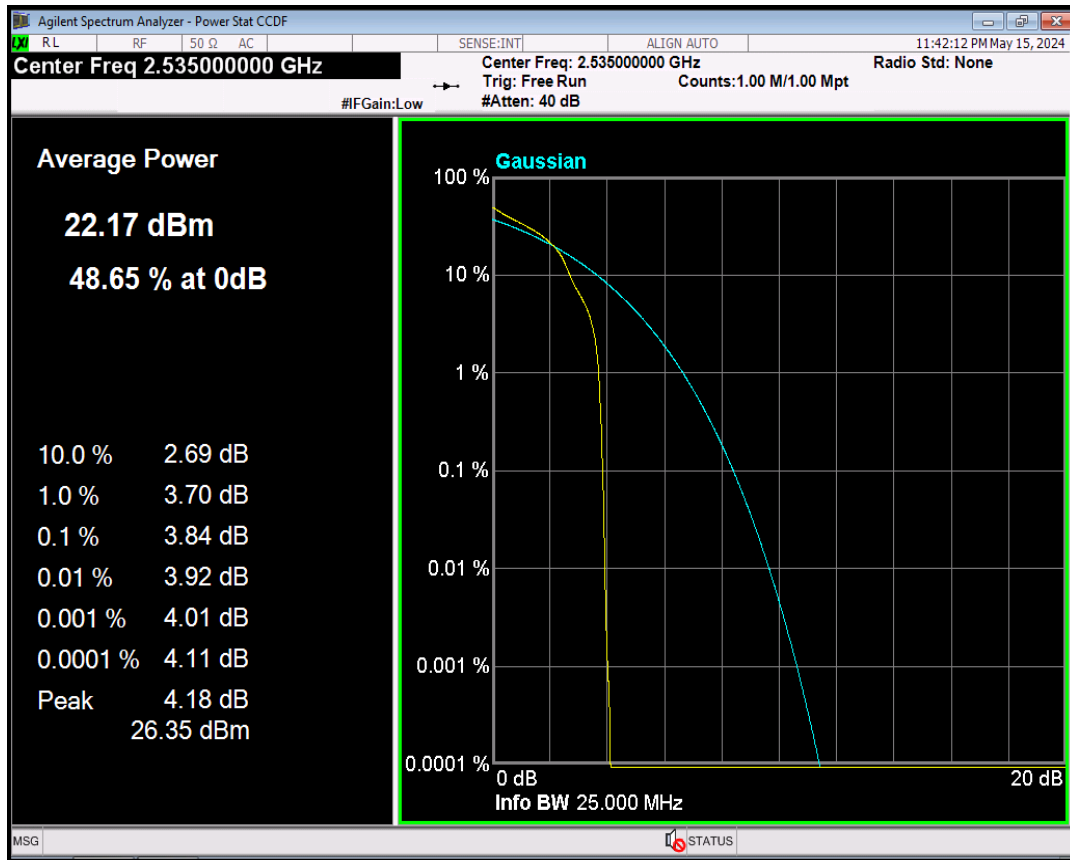
Band7 16QAM BW=20MHz Channel=20850 RB Size=1 Position=#0



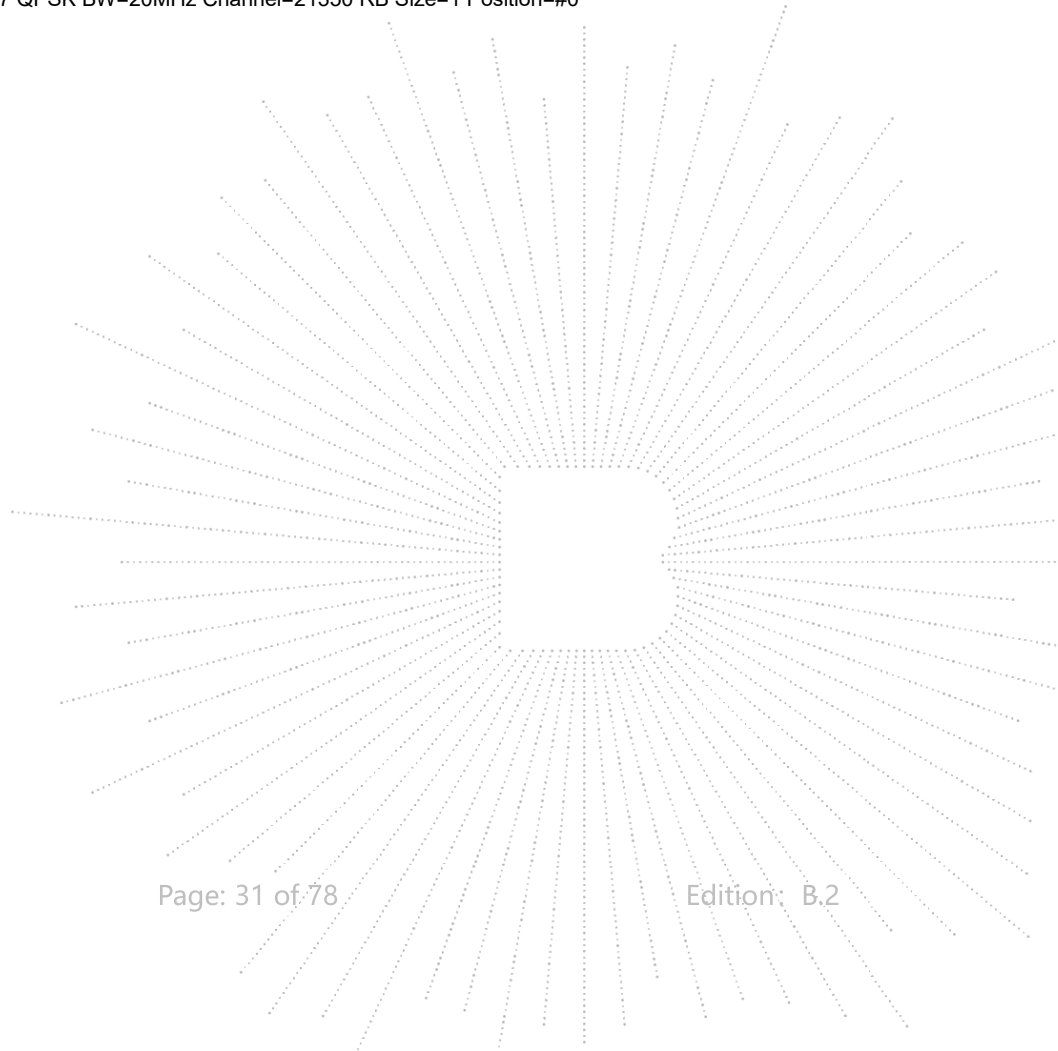
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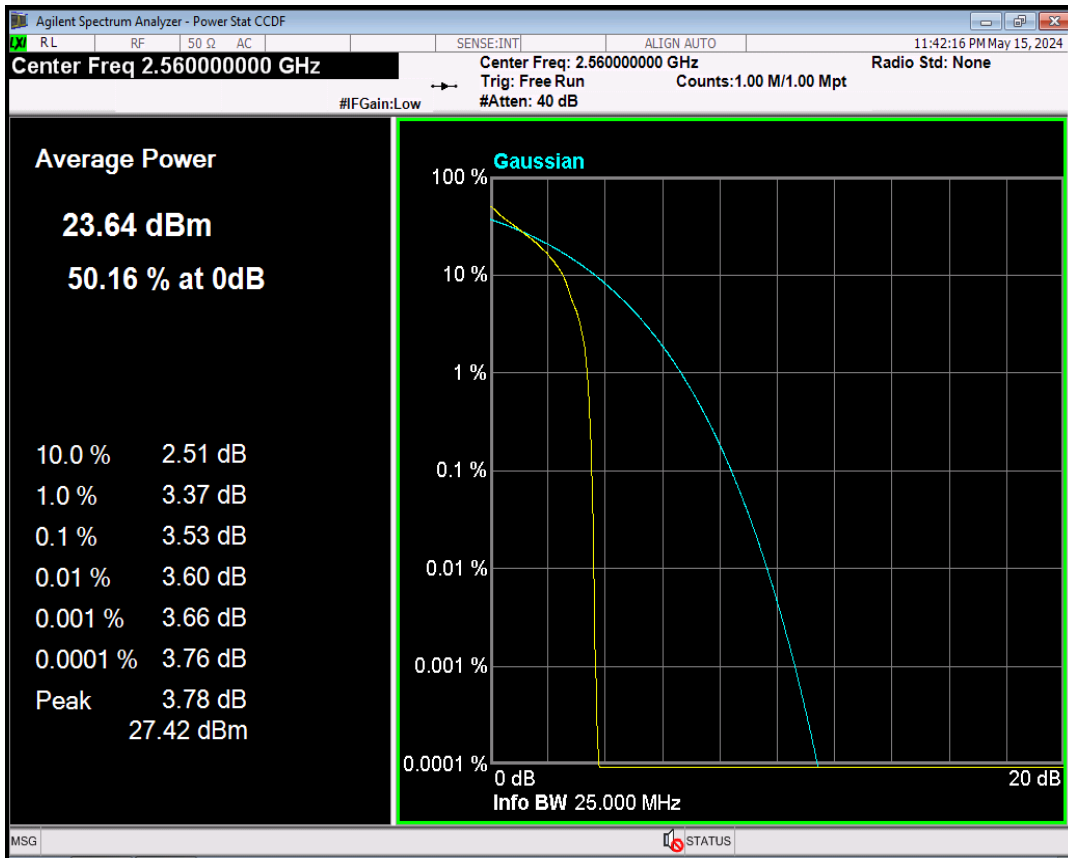


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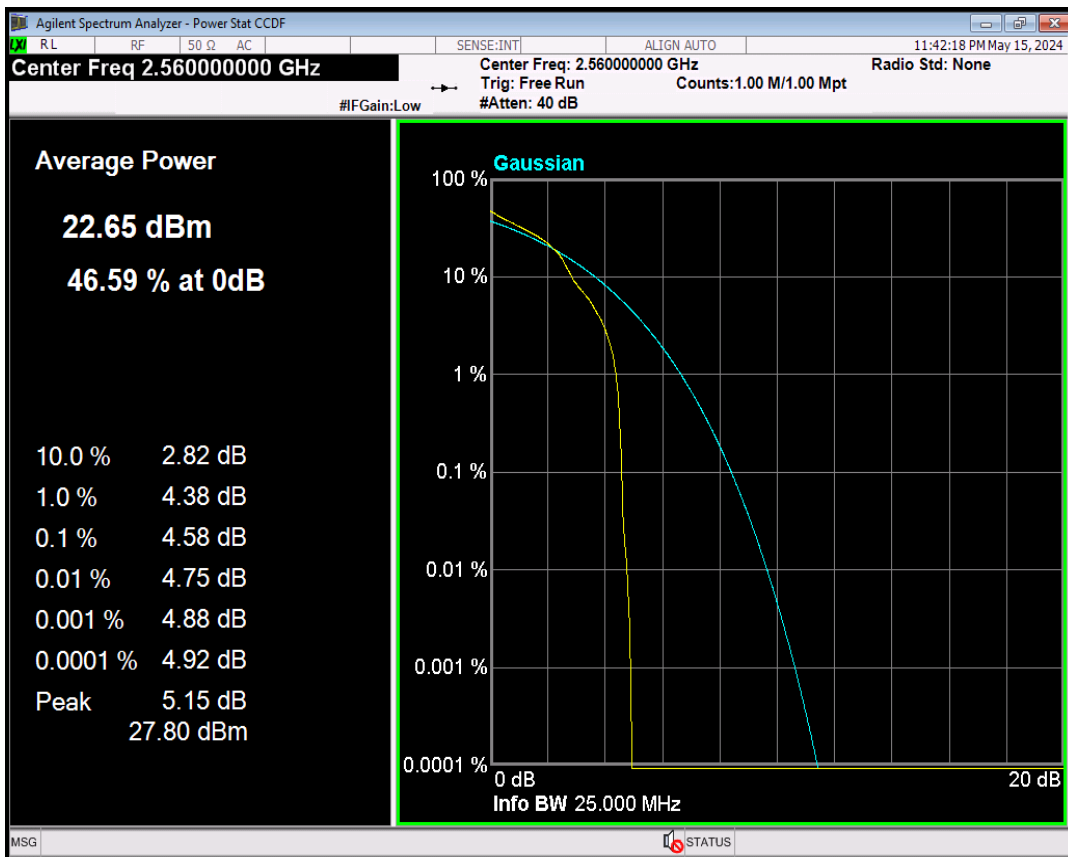


Band7 QPSK BW=20MHz Channel=21350 RB Size=1 Position=#0





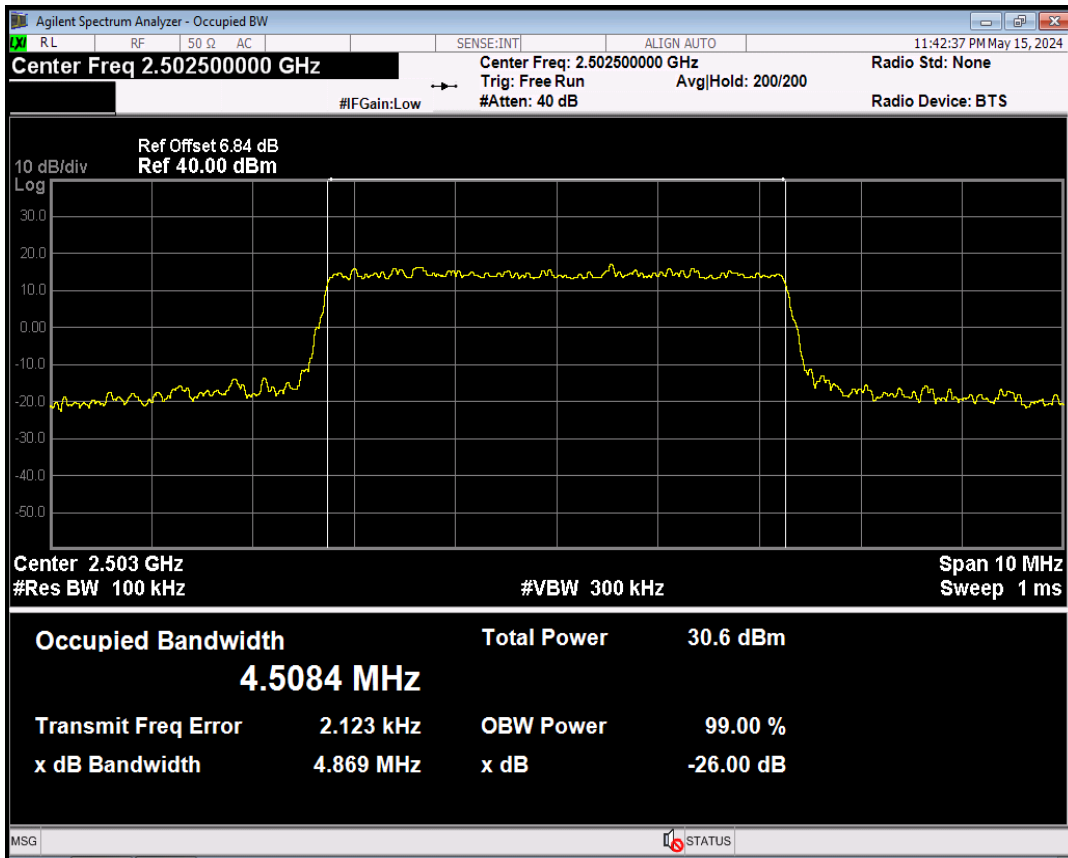
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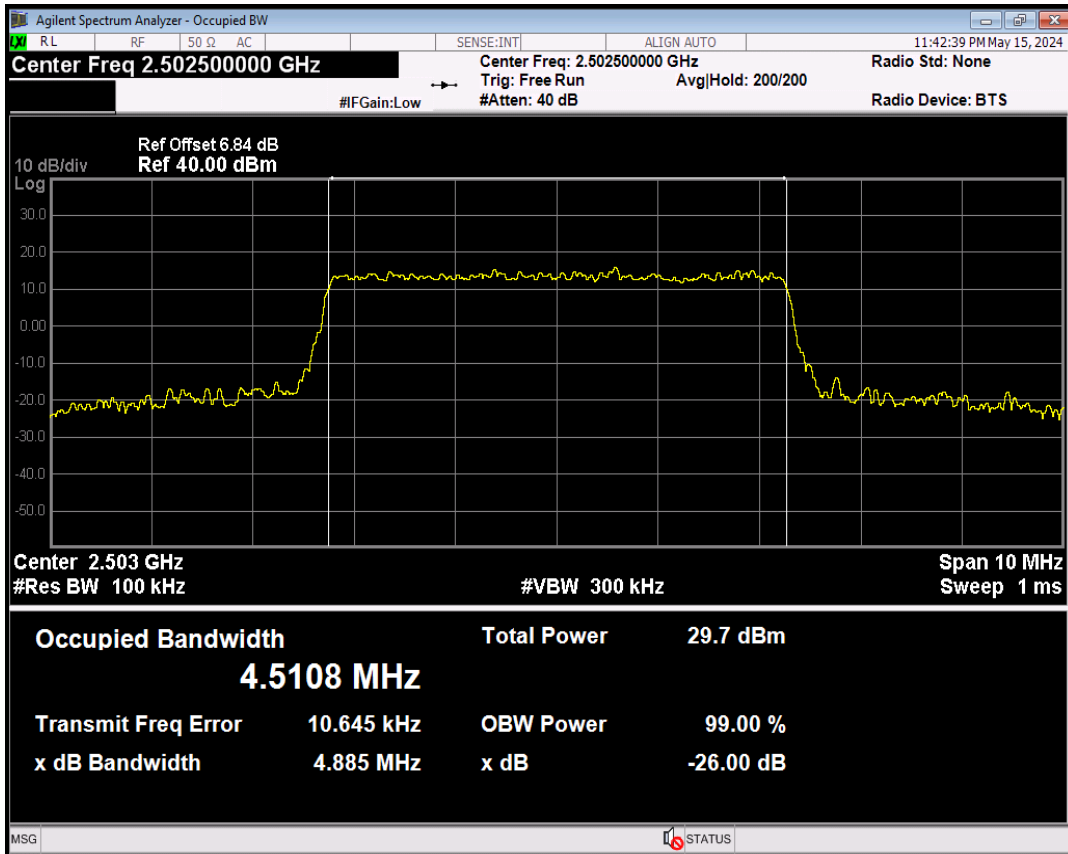
## Appendix 4. Occupied bandwidth

| Band  | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | 99% OBW (MHz) | -26dB EBW (MHz) | Verdict |
|-------|-----------------|------------|---------|-------------|------------|---------------|-----------------|---------|
| Band7 | 5               | 20775      | 25      | #0          | QPSK       | 4.508         | 4.869           | PASS    |
| Band7 | 5               | 20775      | 25      | #0          | 16QAM      | 4.511         | 4.885           | PASS    |
| Band7 | 5               | 21100      | 25      | #0          | QPSK       | 4.504         | 4.901           | PASS    |
| Band7 | 5               | 21100      | 25      | #0          | 16QAM      | 4.497         | 4.875           | PASS    |
| Band7 | 5               | 21425      | 25      | #0          | QPSK       | 4.509         | 4.864           | PASS    |
| Band7 | 5               | 21425      | 25      | #0          | 16QAM      | 4.495         | 4.862           | PASS    |
| Band7 | 10              | 20800      | 50      | #0          | QPSK       | 8.992         | 9.802           | PASS    |
| Band7 | 10              | 20800      | 50      | #0          | 16QAM      | 8.999         | 9.730           | PASS    |
| Band7 | 10              | 21100      | 50      | #0          | QPSK       | 8.992         | 9.727           | PASS    |
| Band7 | 10              | 21100      | 50      | #0          | 16QAM      | 8.978         | 9.599           | PASS    |
| Band7 | 10              | 21400      | 50      | #0          | QPSK       | 9.003         | 9.627           | PASS    |
| Band7 | 10              | 21400      | 50      | #0          | 16QAM      | 8.979         | 9.686           | PASS    |
| Band7 | 15              | 20825      | 75      | #0          | QPSK       | 13.505        | 14.502          | PASS    |
| Band7 | 15              | 20825      | 75      | #0          | 16QAM      | 13.486        | 14.564          | PASS    |
| Band7 | 15              | 21100      | 75      | #0          | QPSK       | 13.423        | 14.292          | PASS    |
| Band7 | 15              | 21100      | 75      | #0          | 16QAM      | 13.411        | 14.448          | PASS    |
| Band7 | 15              | 21375      | 75      | #0          | QPSK       | 13.513        | 14.740          | PASS    |
| Band7 | 15              | 21375      | 75      | #0          | 16QAM      | 13.534        | 14.495          | PASS    |
| Band7 | 20              | 20850      | 100     | #0          | QPSK       | 17.933        | 19.196          | PASS    |
| Band7 | 20              | 20850      | 100     | #0          | 16QAM      | 17.920        | 19.301          | PASS    |
| Band7 | 20              | 21100      | 100     | #0          | QPSK       | 17.912        | 19.251          | PASS    |
| Band7 | 20              | 21100      | 100     | #0          | 16QAM      | 17.930        | 19.491          | PASS    |
| Band7 | 20              | 21350      | 100     | #0          | QPSK       | 18.036        | 19.419          | PASS    |
| Band7 | 20              | 21350      | 100     | #0          | 16QAM      | 18.046        | 19.063          | PASS    |

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

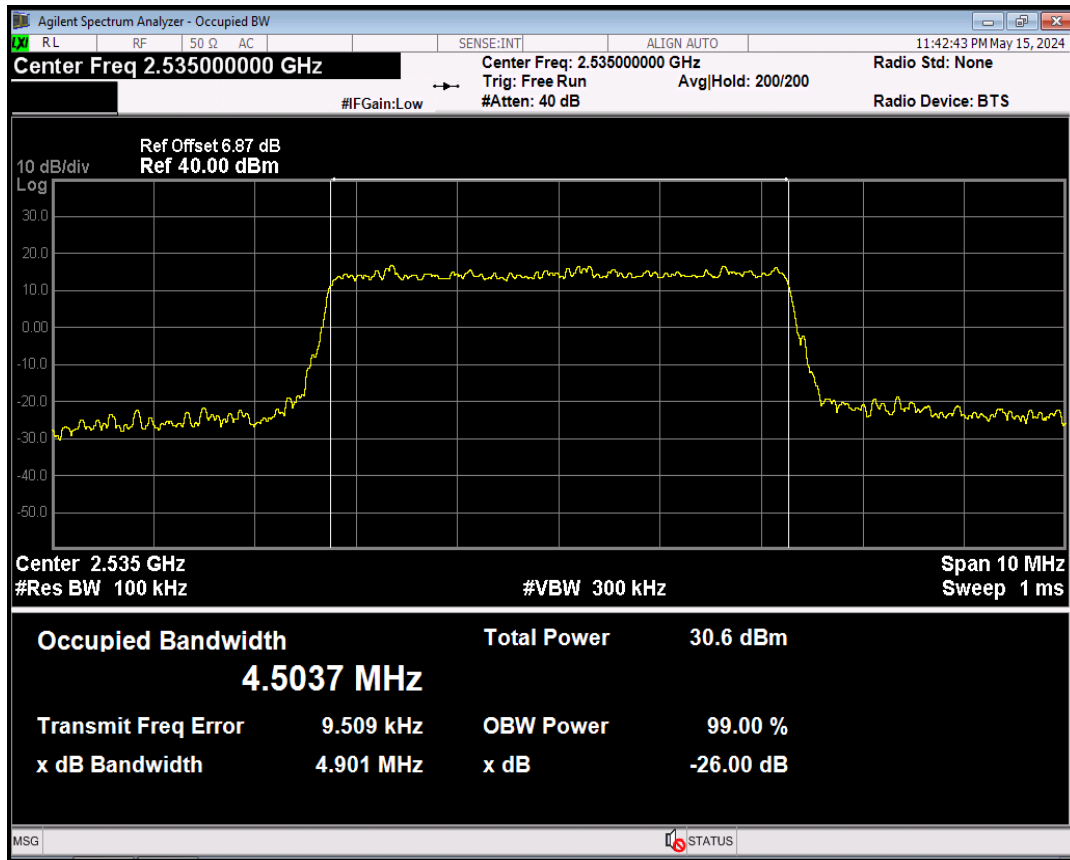


Band7 16QAM BW=5MHz Channel=20775 RB Size=25 Position=#0

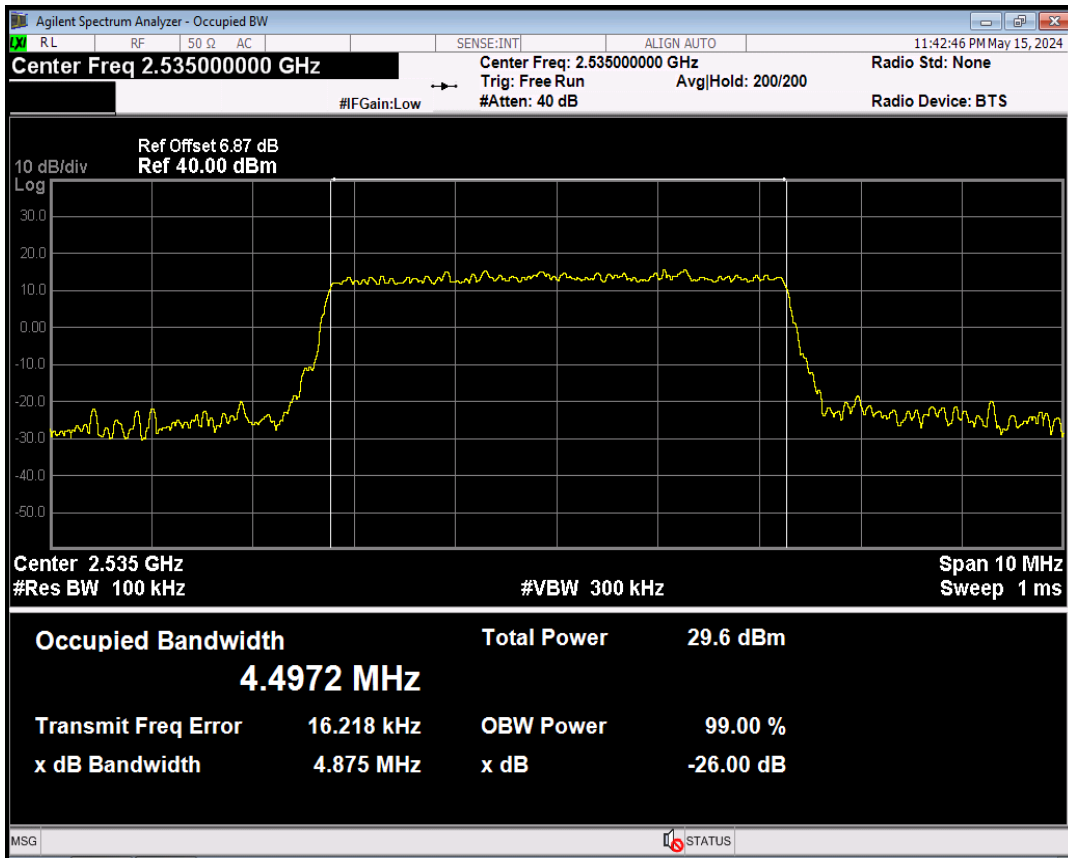




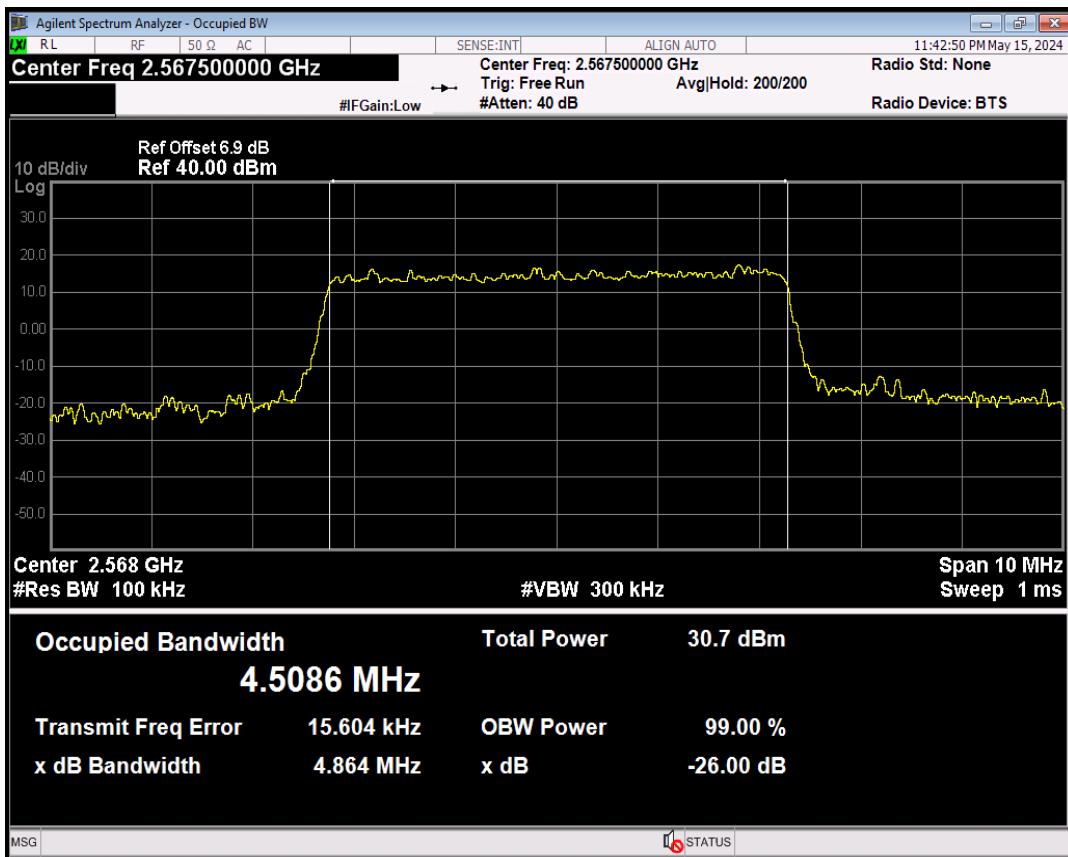
Band7 QPSK BW=5MHz Channel=21100 RB Size=25 Position=#0



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

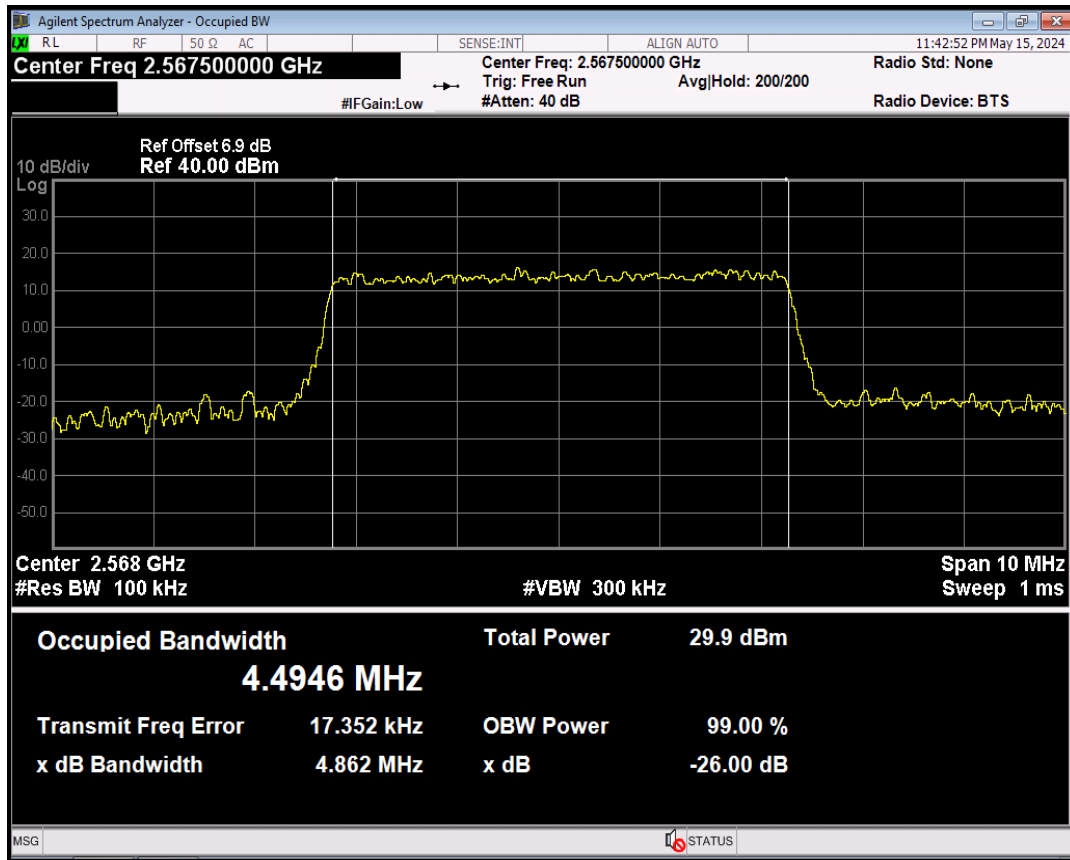


Band7 QPSK BW=5MHz Channel=21425 RB Size=25 Position=#0

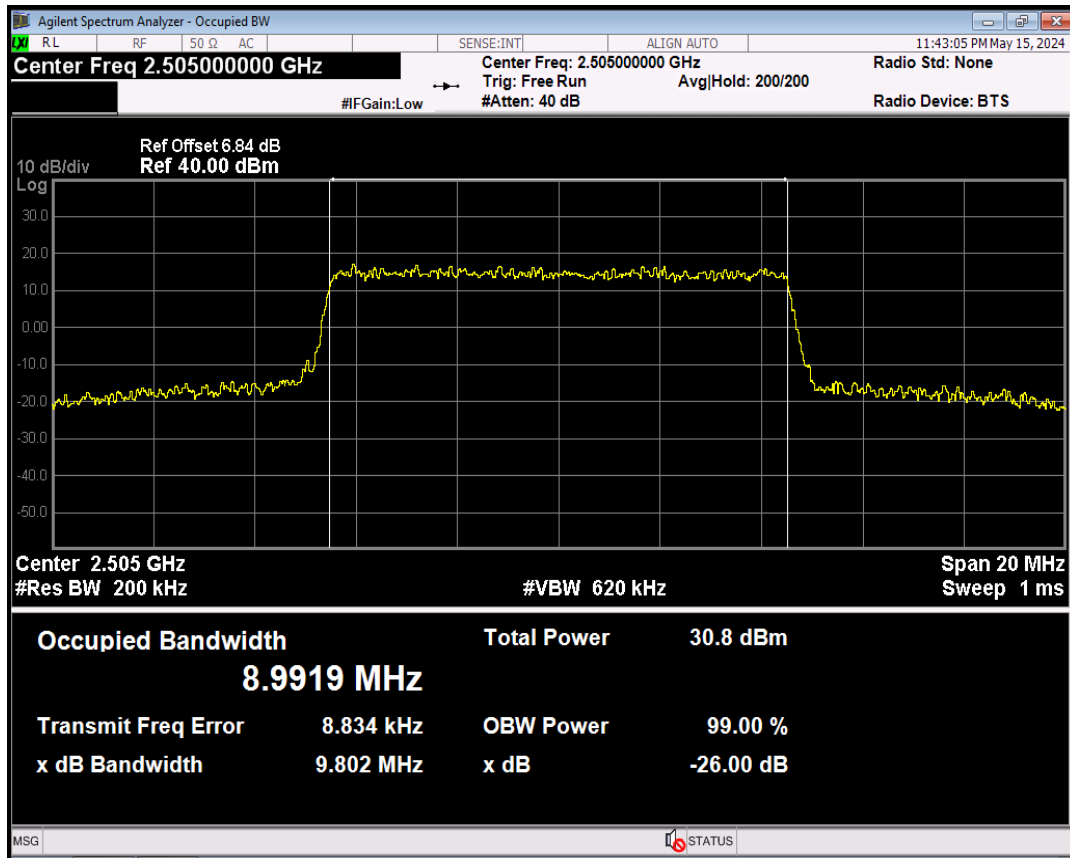




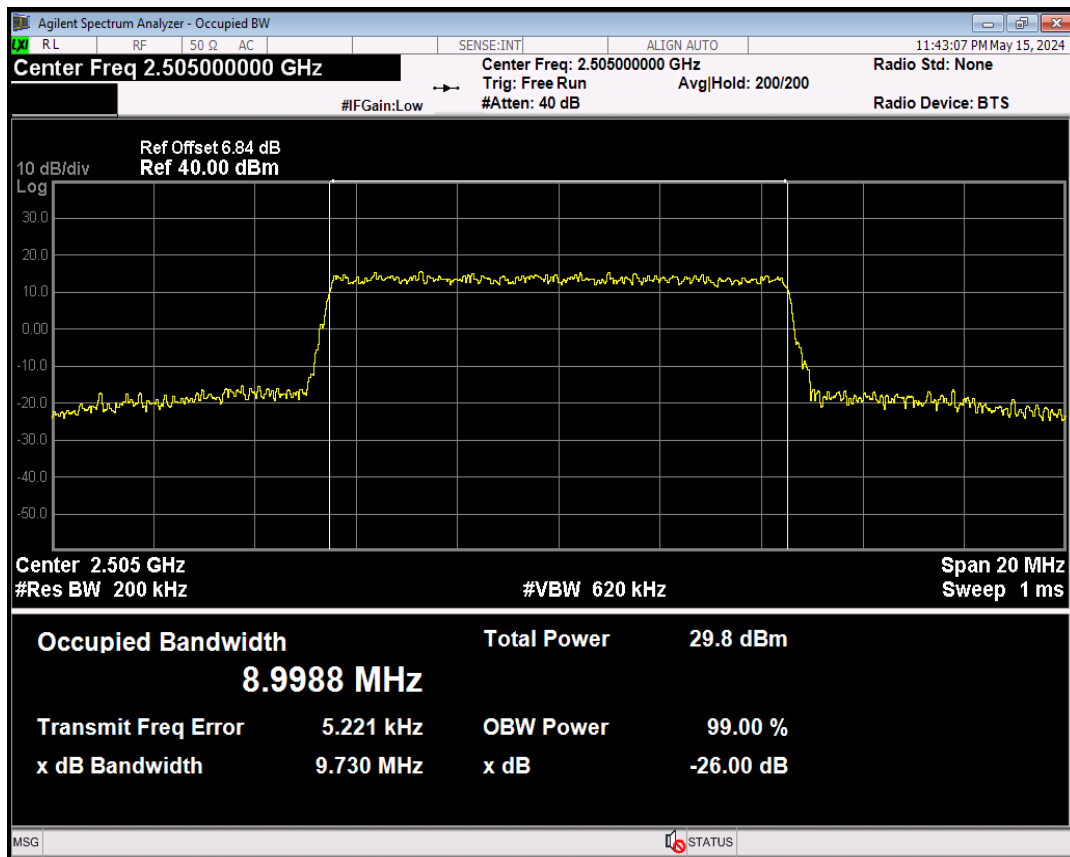
Band7 16QAM BW=5MHz Channel=21425 RB Size=25 Position=#0



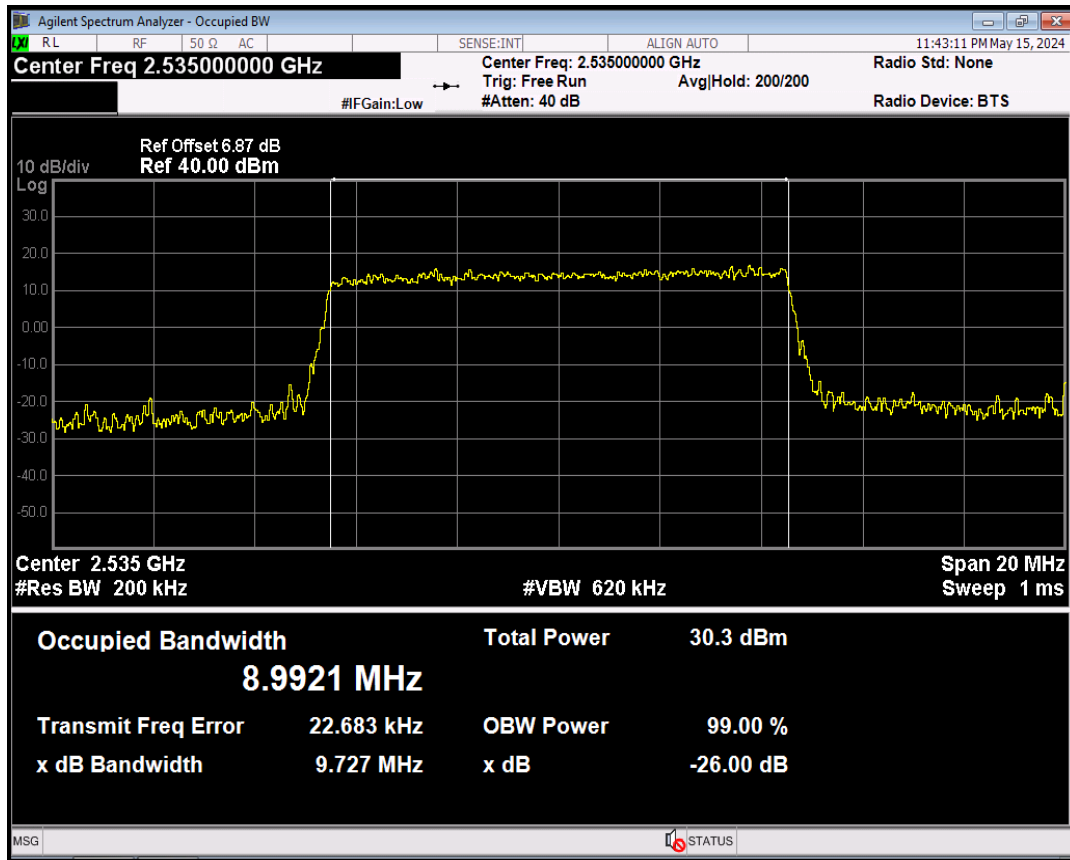
Band7 QPSK BW=10MHz Channel=20800 RB Size=50 Position=#0



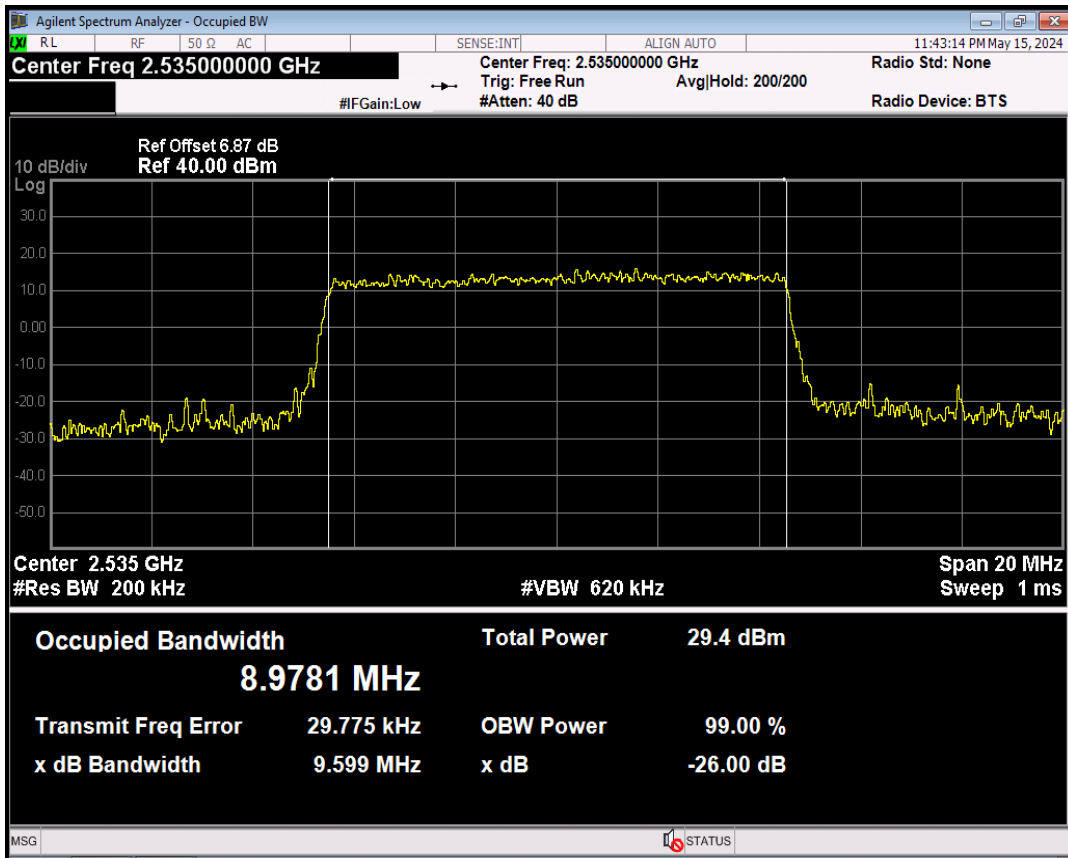
Band7 16QAM BW=10MHz Channel=20800 RB Size=50 Position=#0



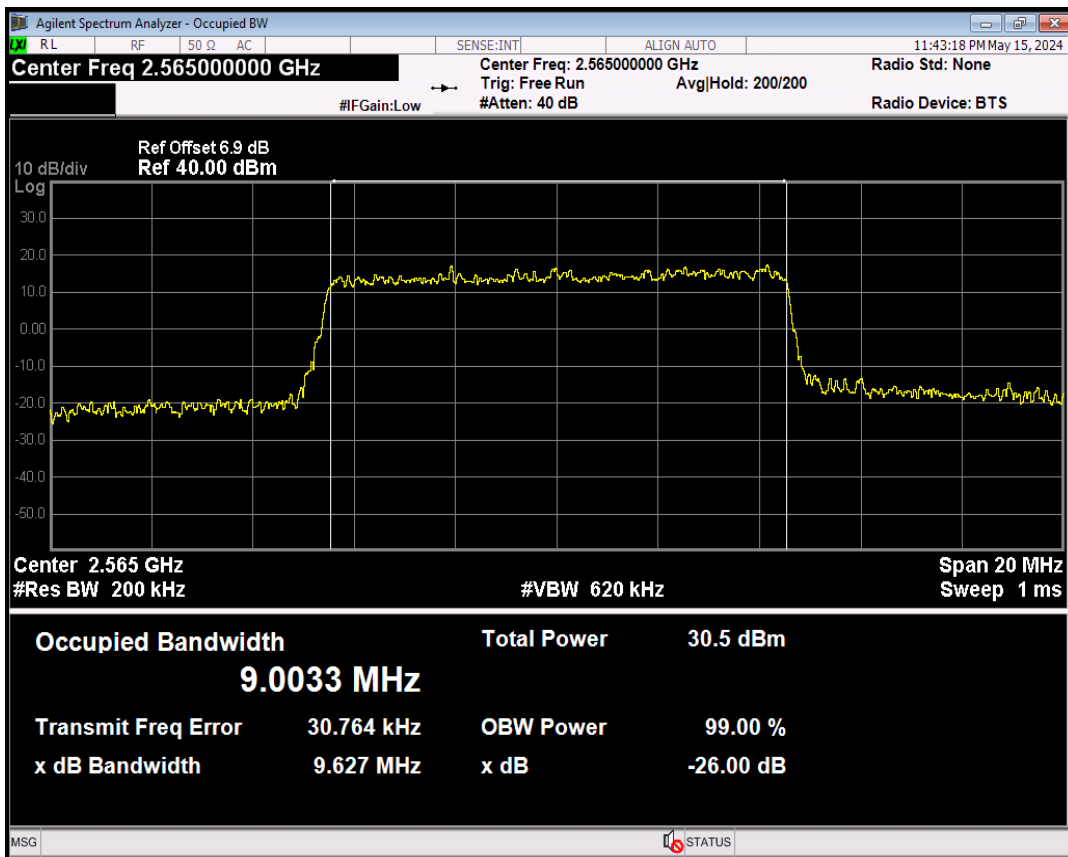
Band7 QPSK BW=10MHz Channel=21100 RB Size=50 Position=#0



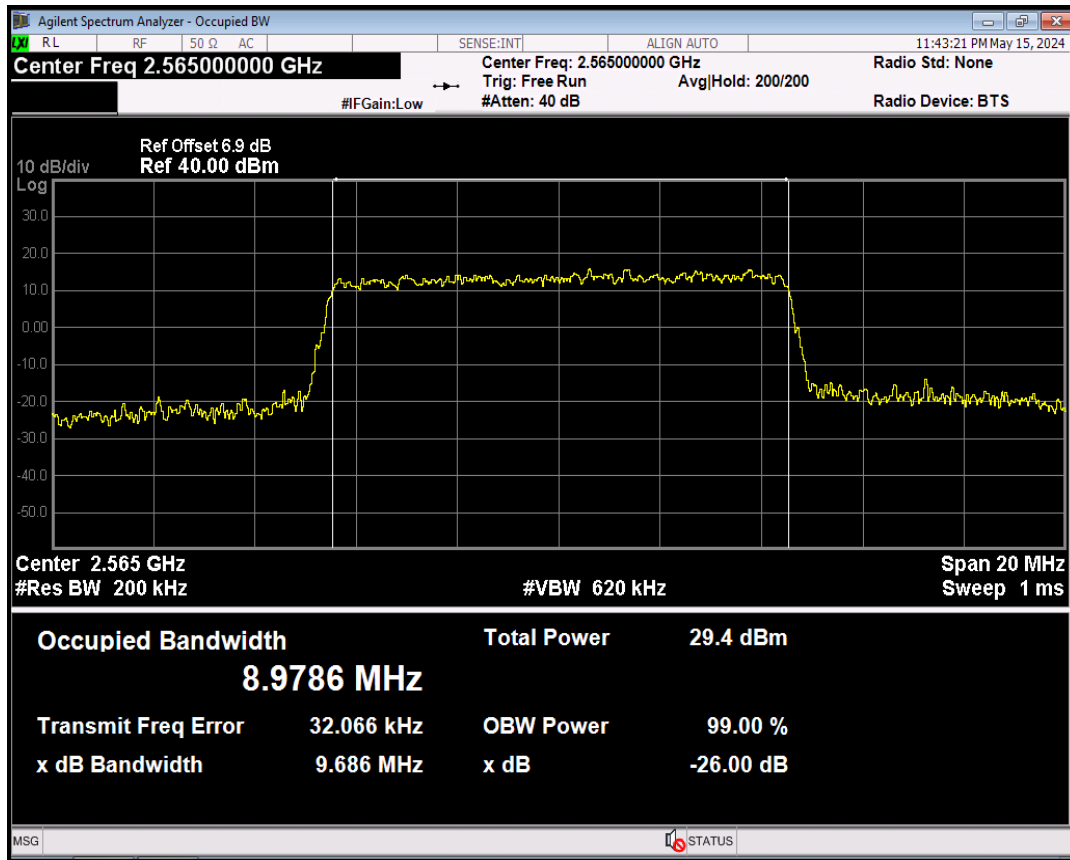
Band7 16QAM BW=10MHz Channel=21100 RB Size=50 Position=#0



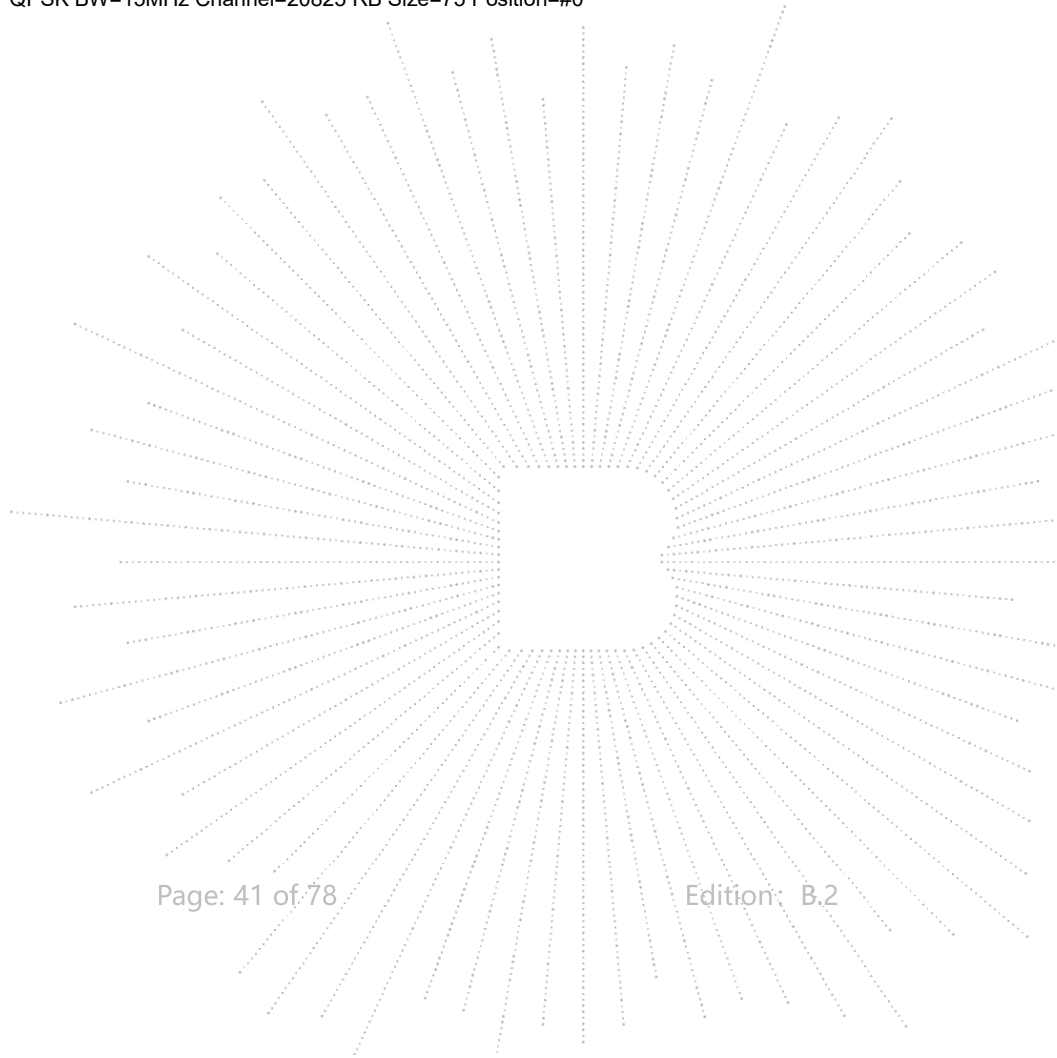
Band7 QPSK BW=10MHz Channel=21400 RB Size=50 Position=#0

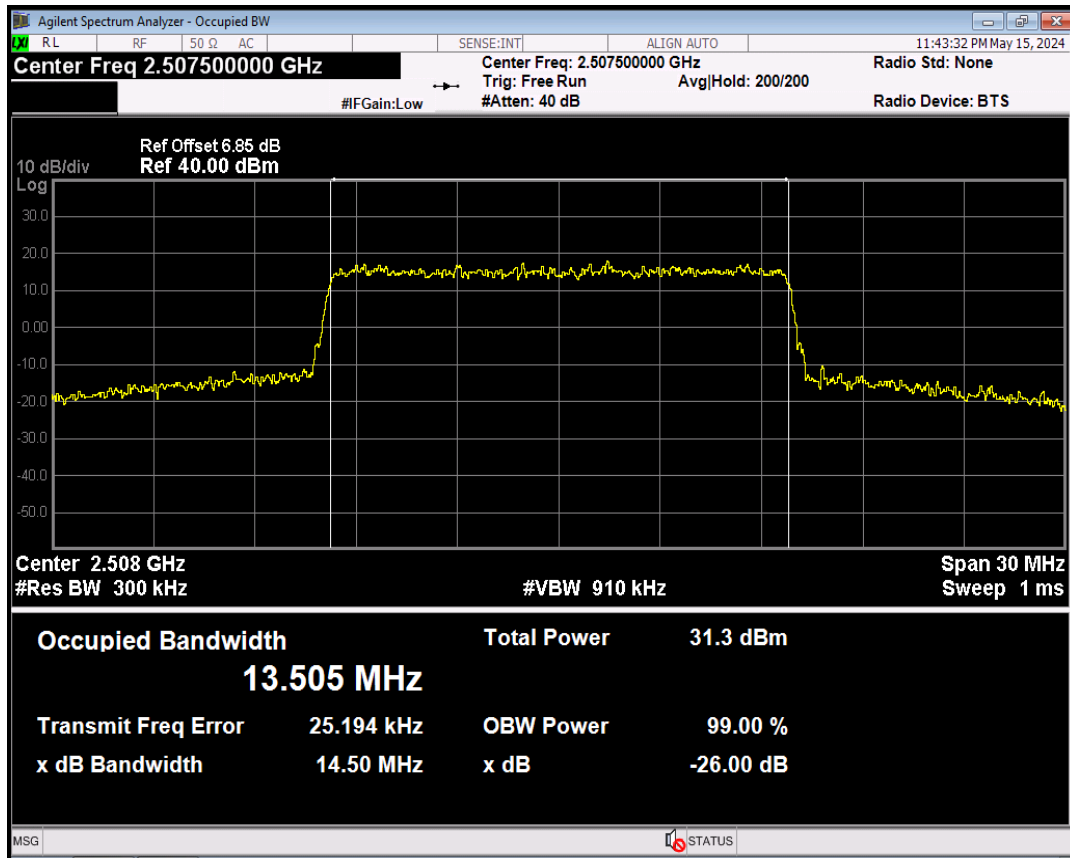


Band7 16QAM BW=10MHz Channel=21400 RB Size=50 Position=#0

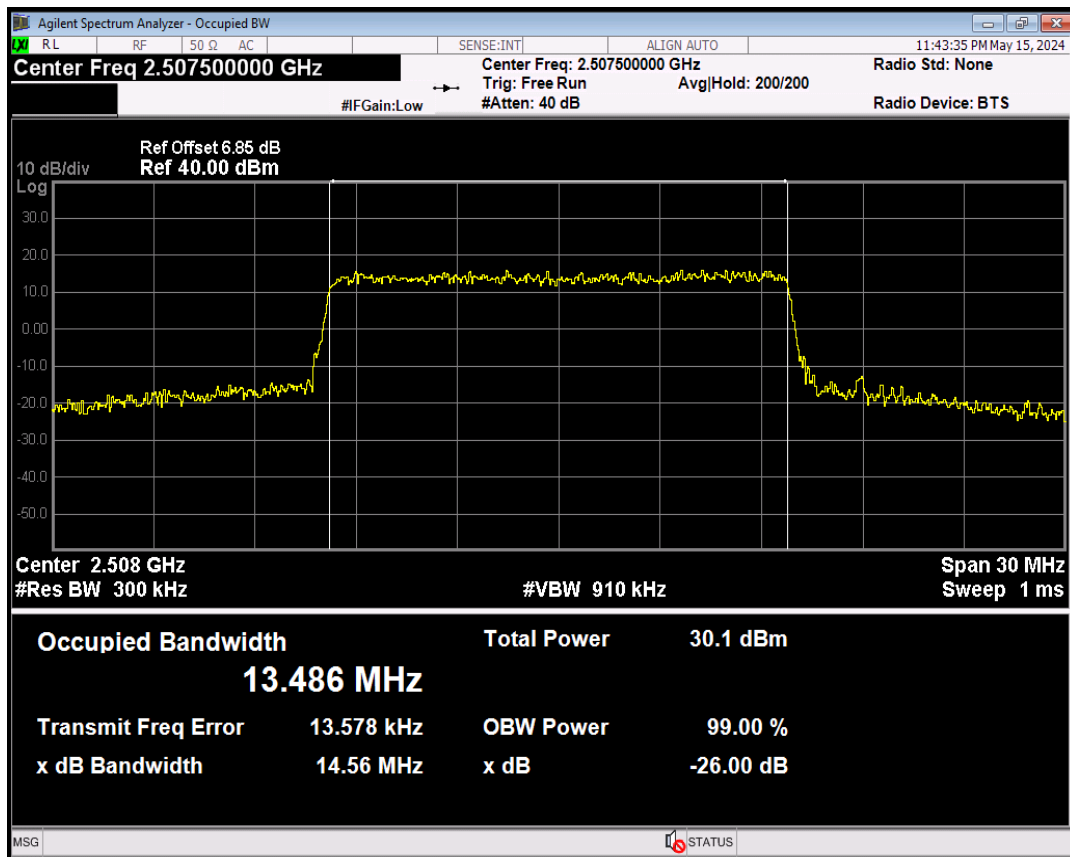


Band7 QPSK BW=15MHz Channel=20825 RB Size=75 Position=#0

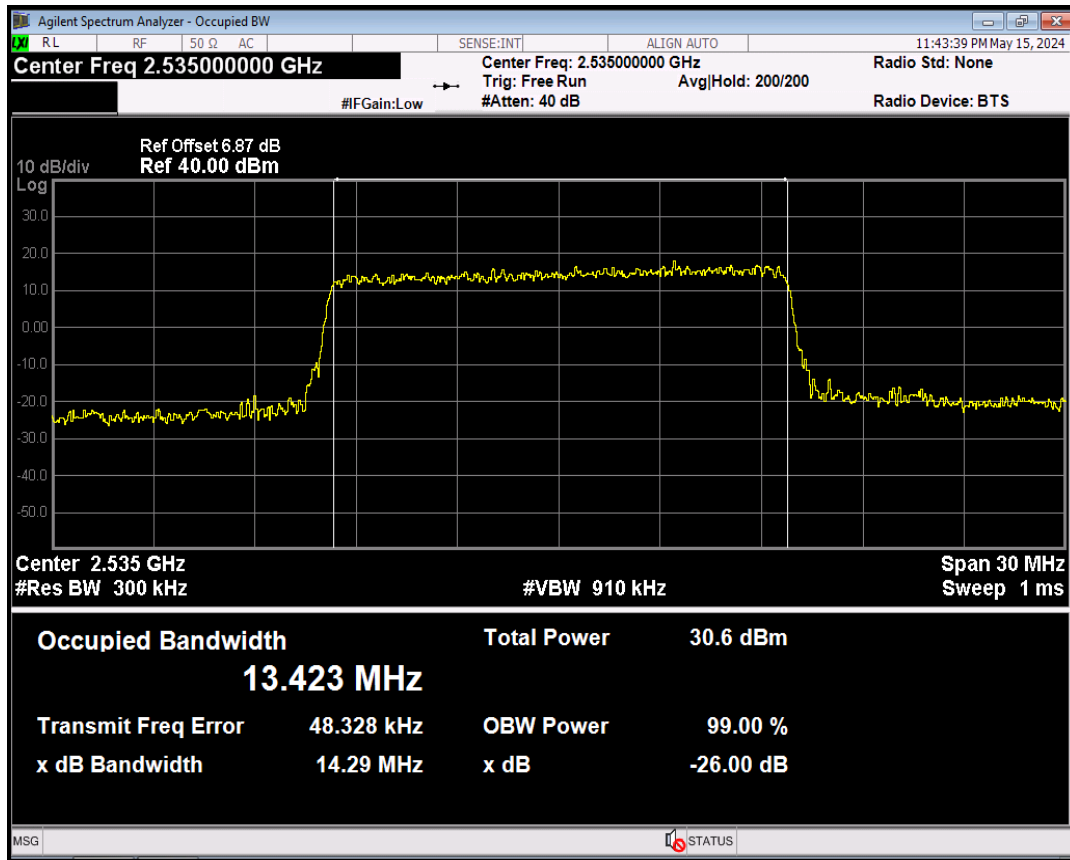




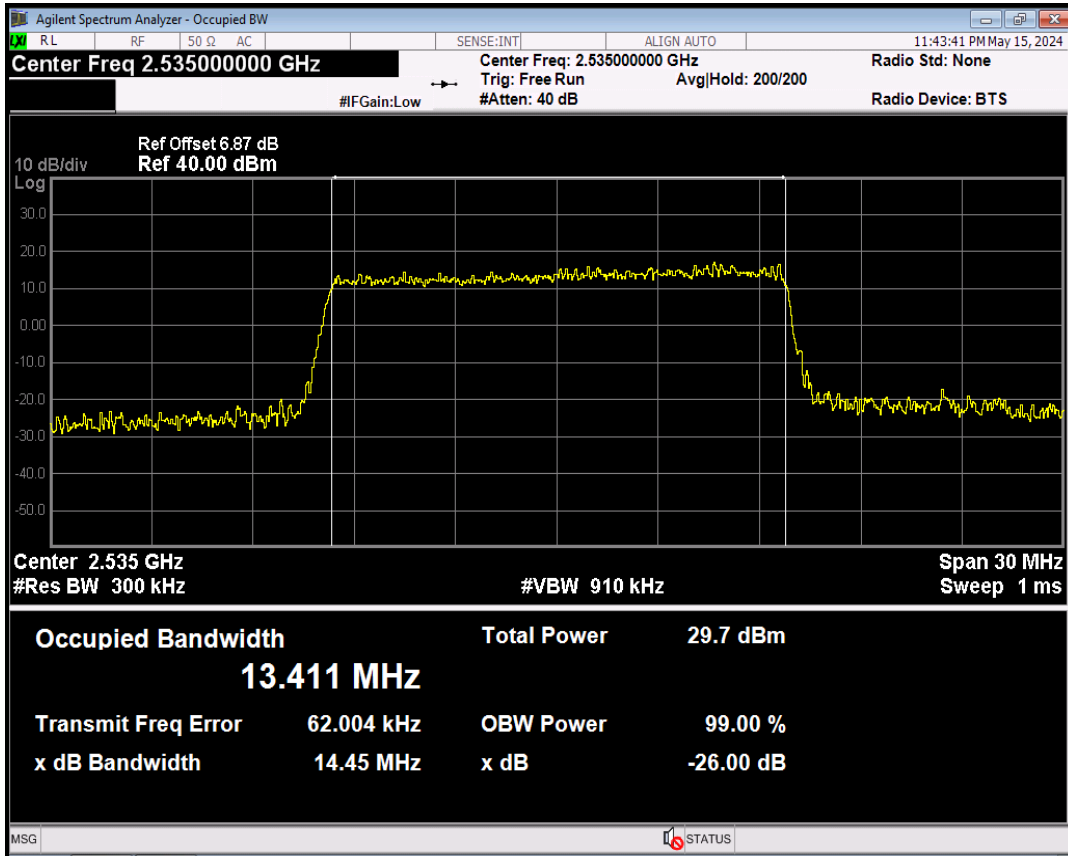
Band7 16QAM BW=15MHz Channel=20825 RB Size=75 Position=#0



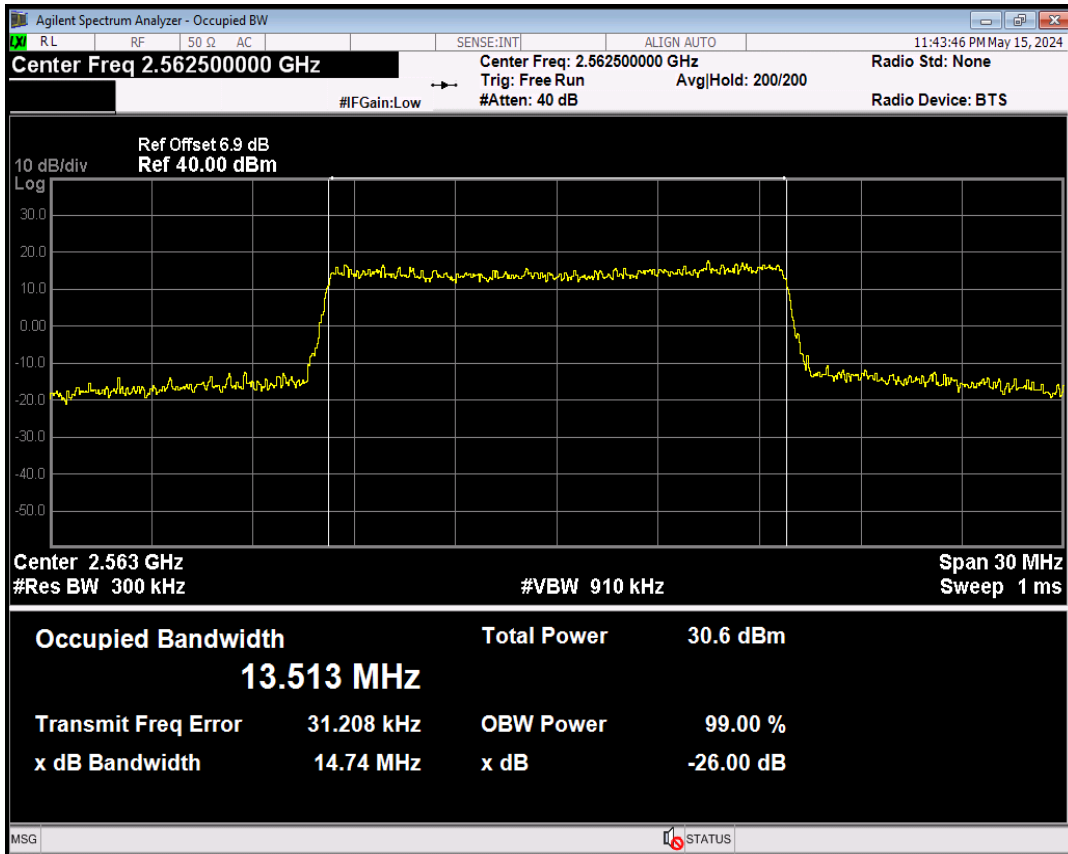
Band7 QPSK BW=15MHz Channel=21100 RB Size=75 Position=#0



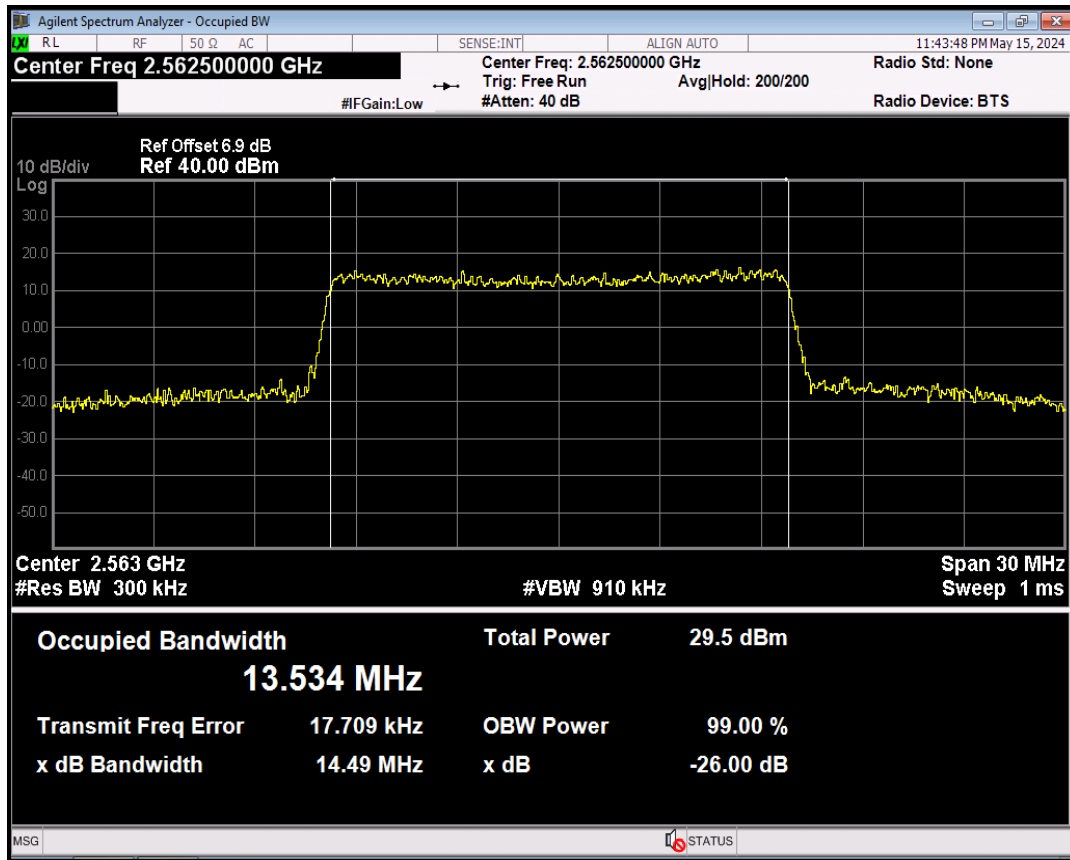
Band7 16QAM BW=15MHz Channel=21100 RB Size=75 Position=#0



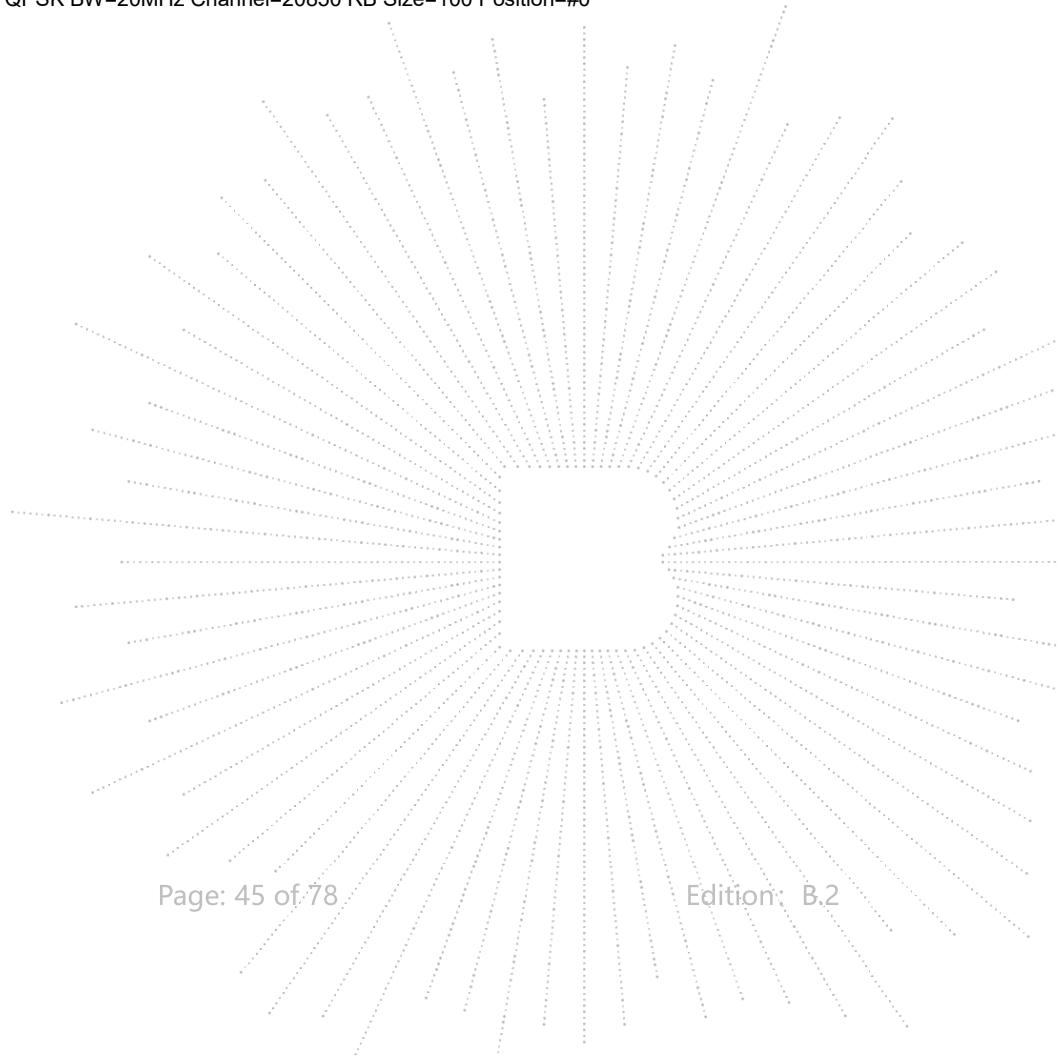
Band7 QPSK BW=15MHz Channel=21375 RB Size=75 Position=#0

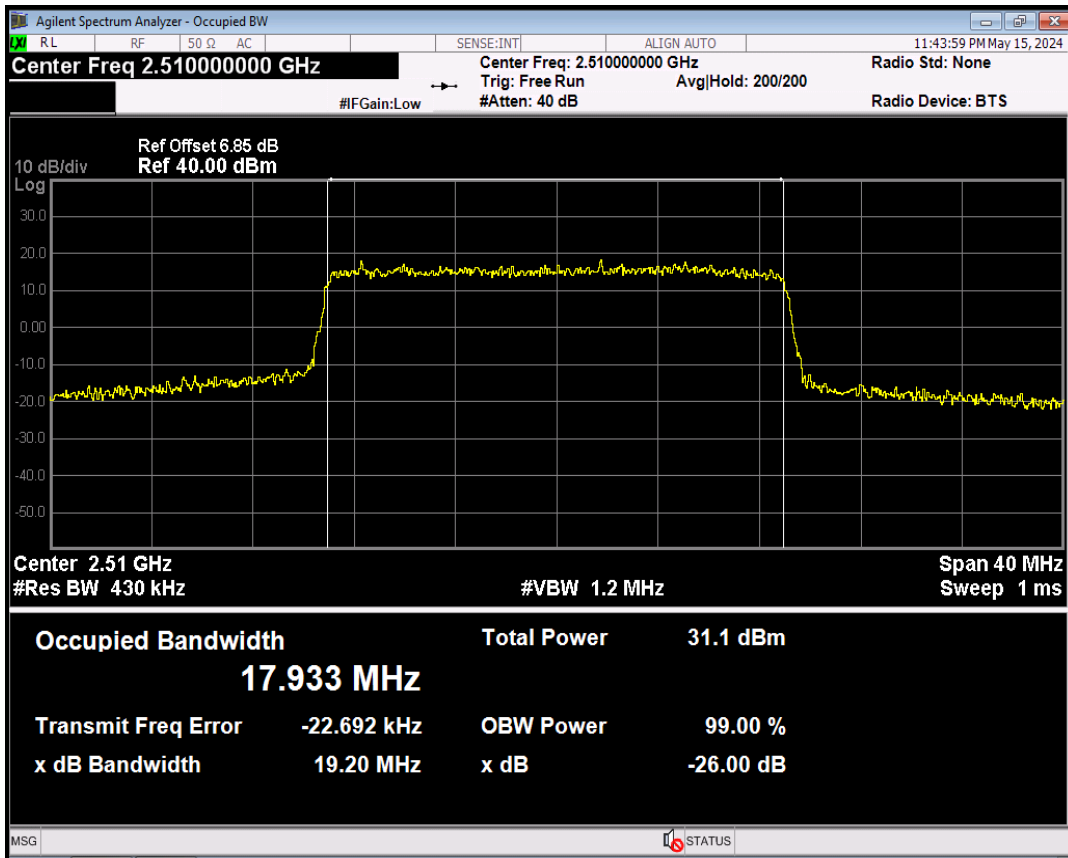


Band7 16QAM BW=15MHz Channel=21375 RB Size=75 Position=#0

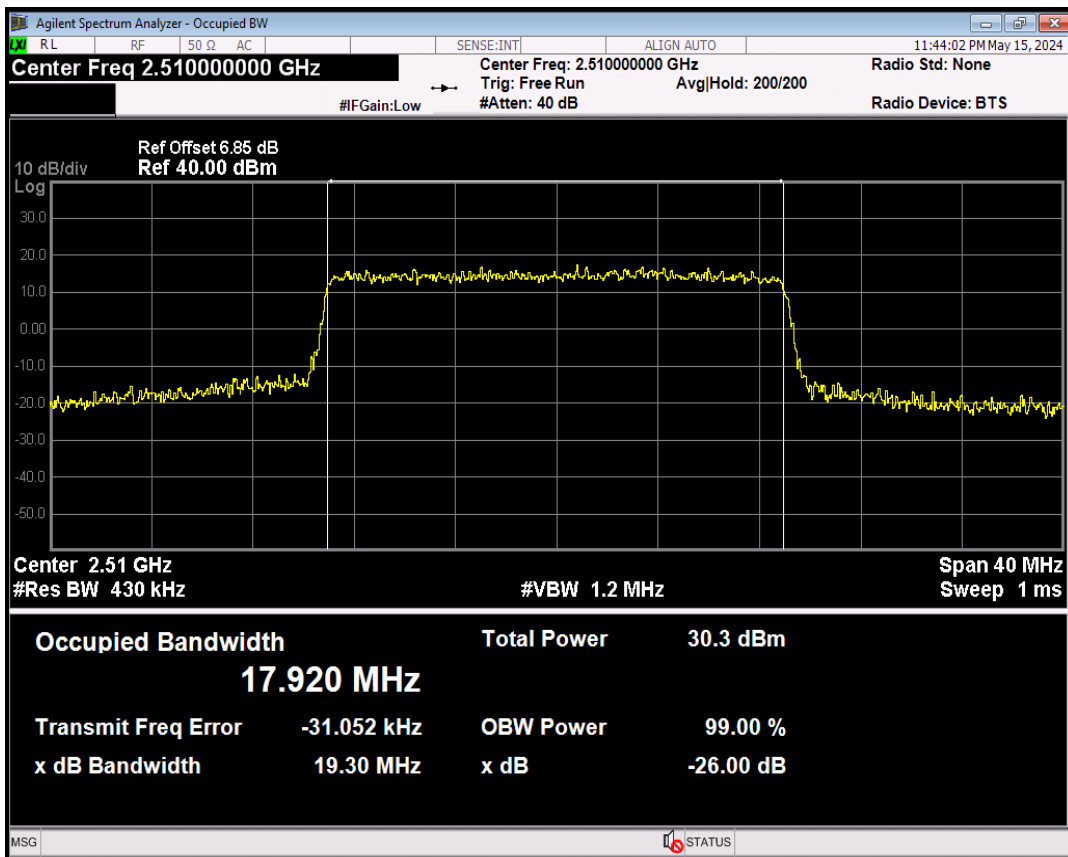


Band7 QPSK BW=20MHz Channel=20850 RB Size=100 Position=#0



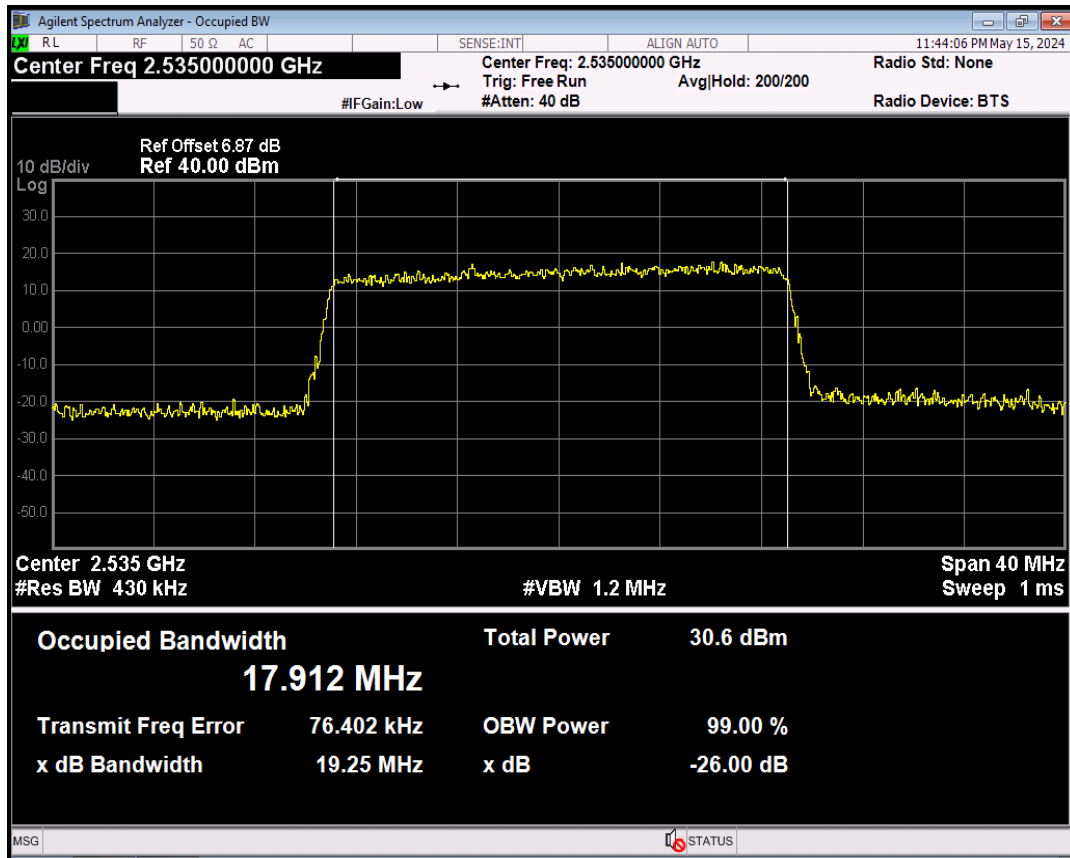


Band7 16QAM BW=20MHz Channel=20850 RB Size=100 Position=#0

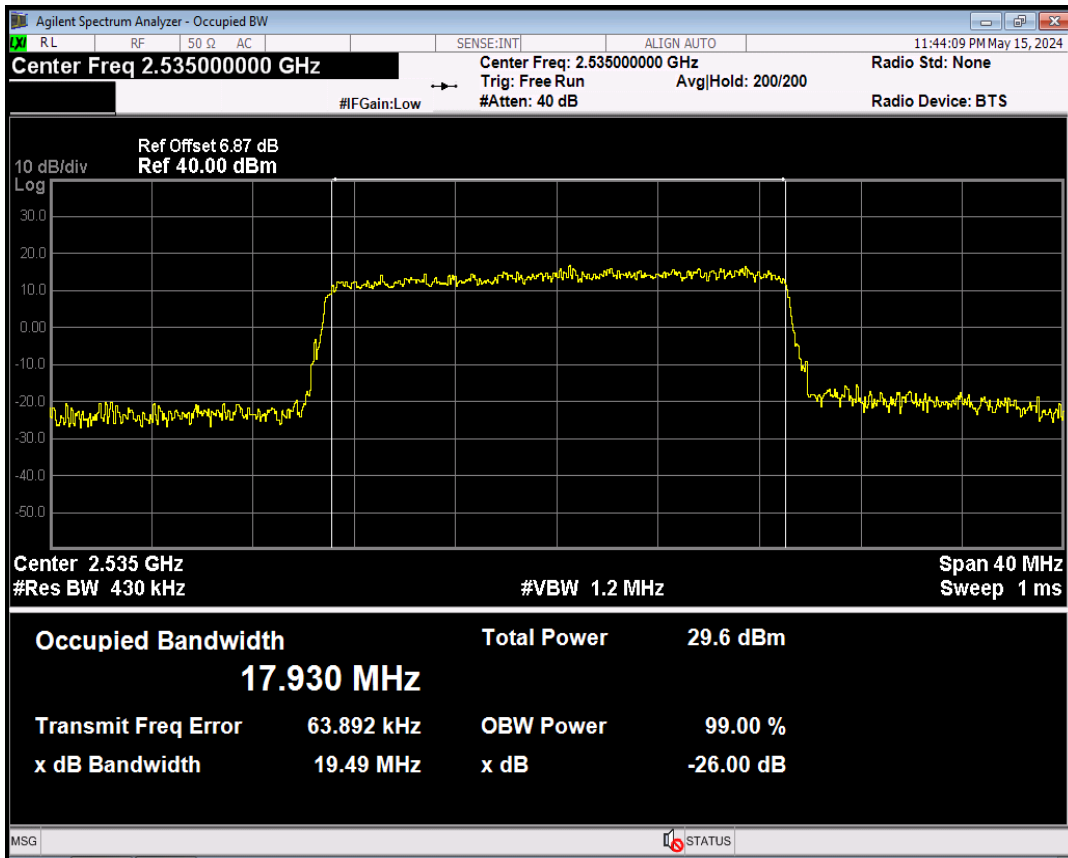




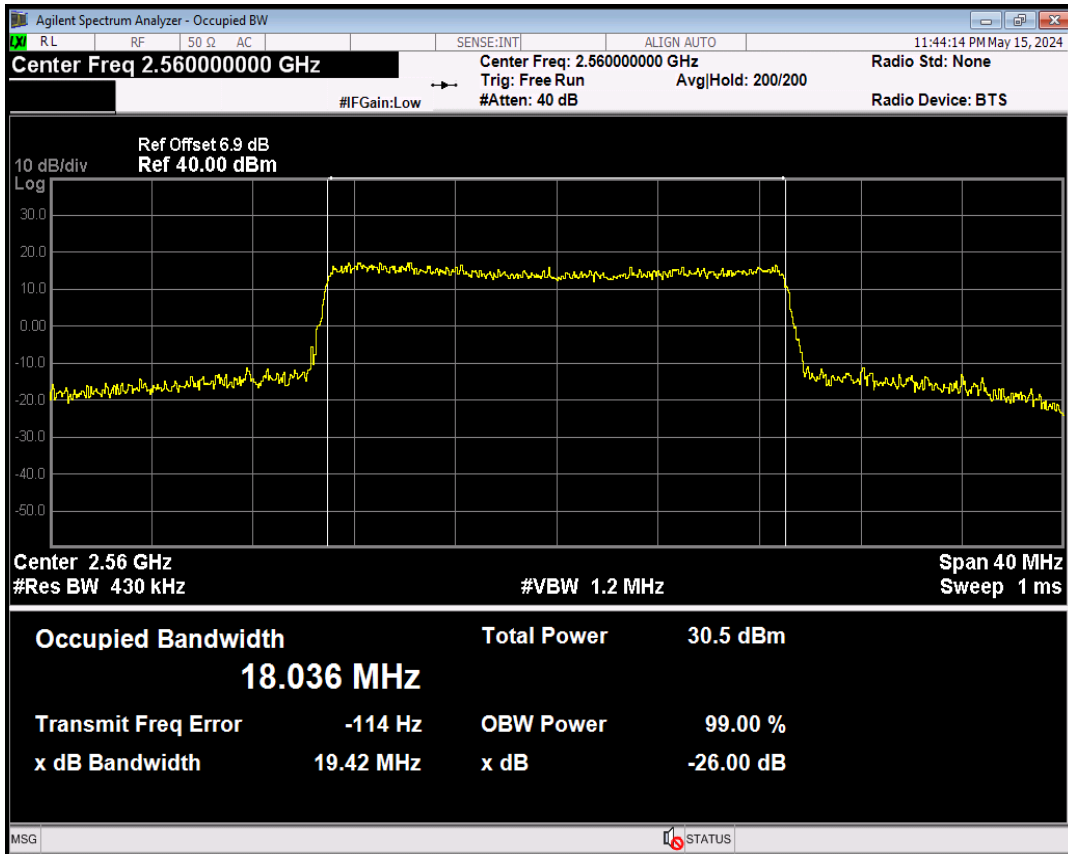
Band7 QPSK BW=20MHz Channel=21100 RB Size=100 Position=#0



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

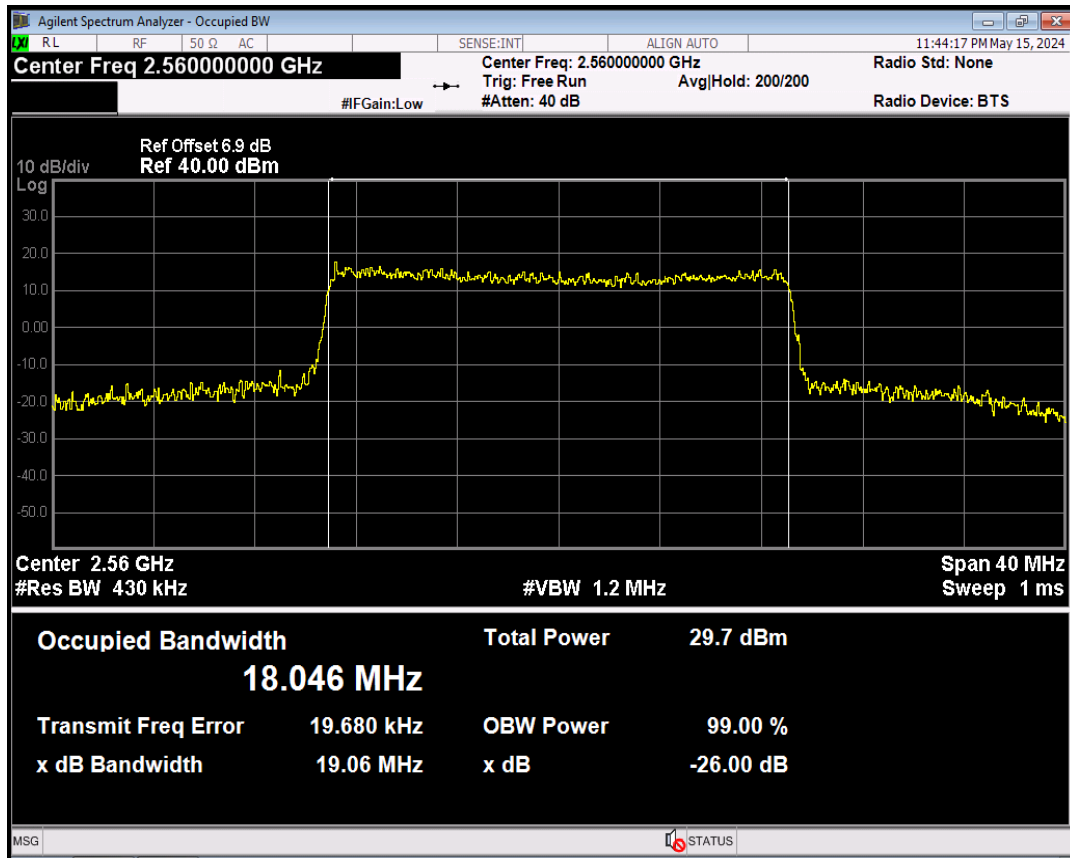


Band7 QPSK BW=20MHz Channel=21350 RB Size=100 Position=#0





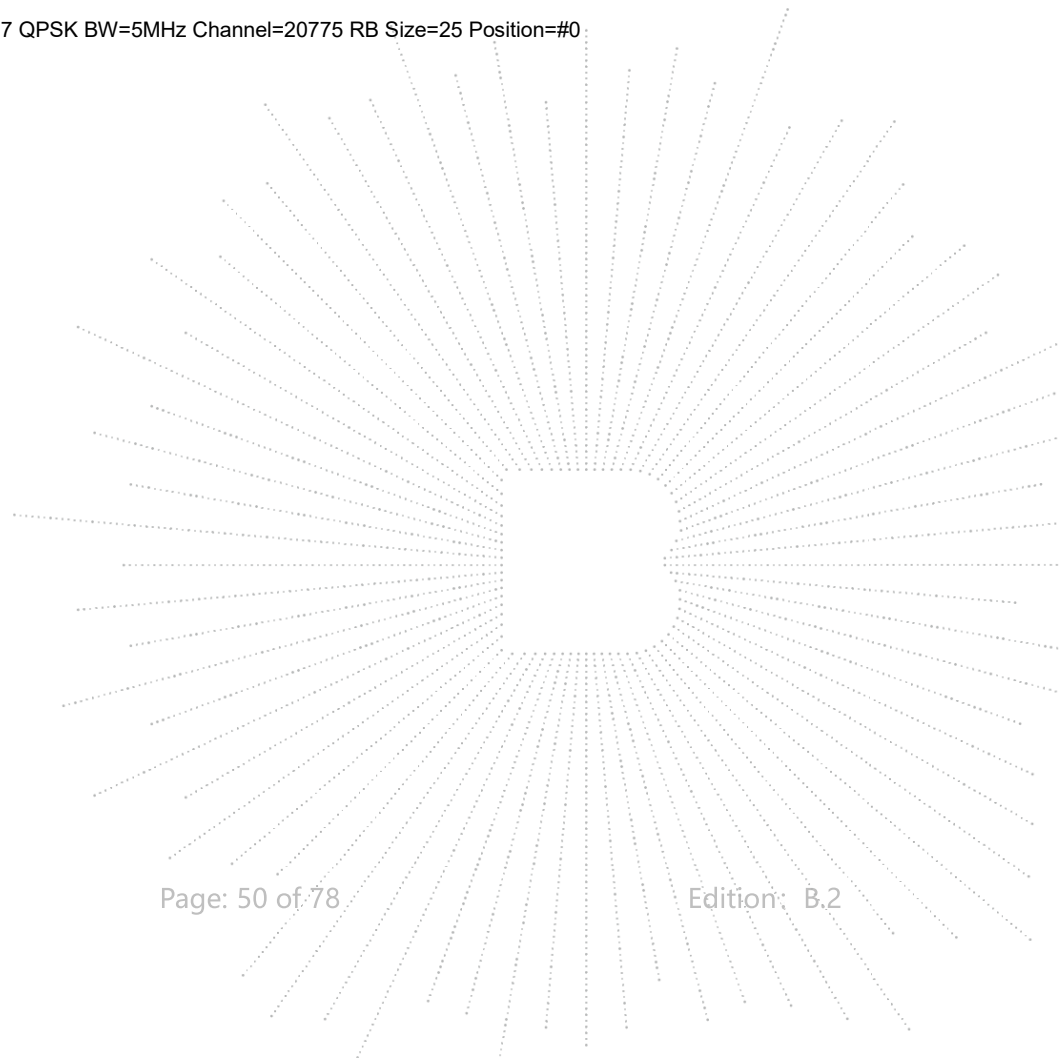
Band7 16QAM BW=20MHz Channel=21350 RB Size=100 Position=#0

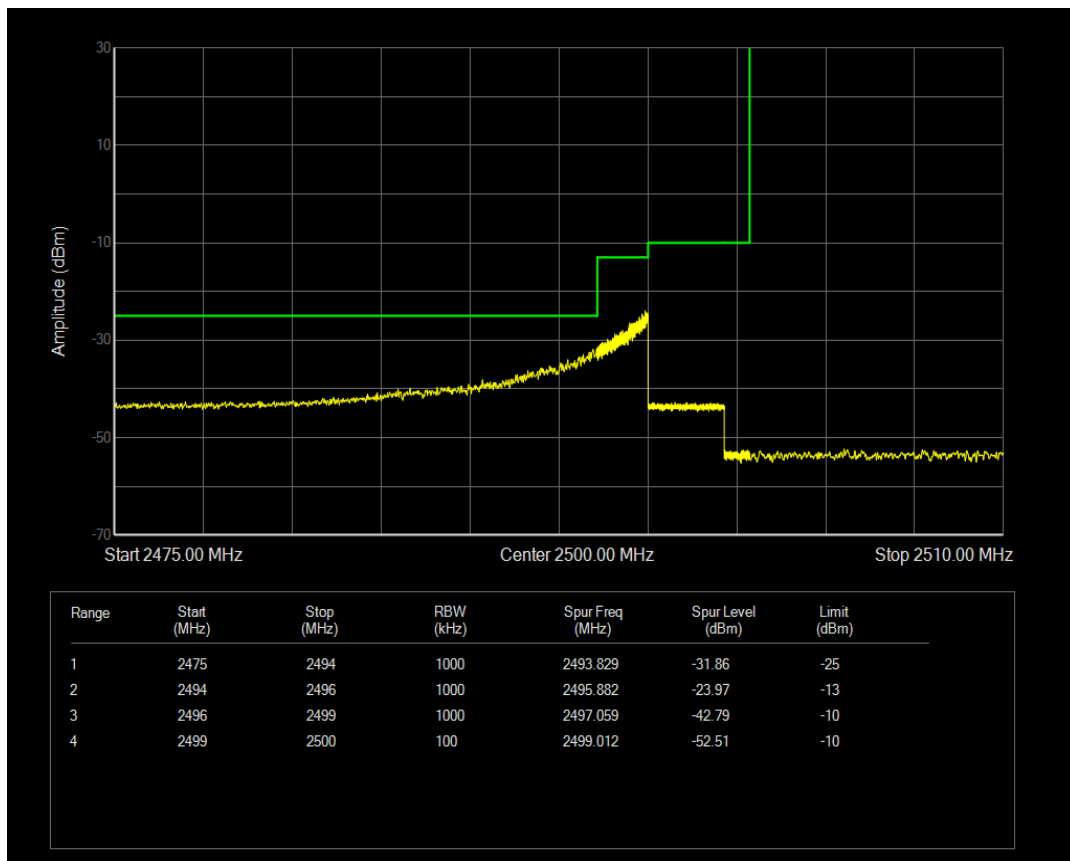


## Appendix 5. Band edge

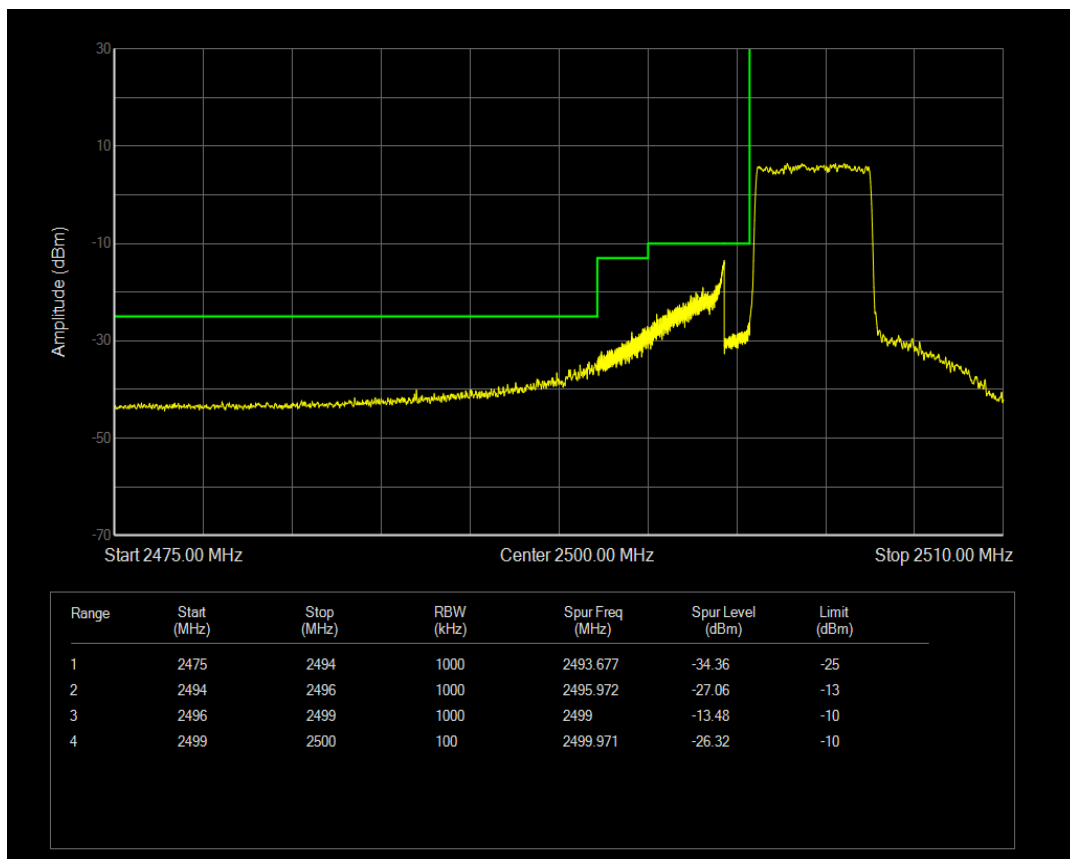
| Band  | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Size | RB<br>Position | Modulation | Spur Freq<br>(MHz) | Spur Level<br>(dBm) | Limit<br>(dBm) | Verdict |
|-------|--------------------|---------------|------------|----------------|------------|--------------------|---------------------|----------------|---------|
| Band7 | 5                  | 20775         | 25         | #0             | QPSK       | 2493.83            | -31.86              | -25            | PASS    |
| Band7 | 5                  | 20775         | 25         | #0             | 16QAM      | 2499.00            | -13.48              | -10            | PASS    |
| Band7 | 5                  | 21425         | 25         | #0             | QPSK       | 2571.00            | -12.06              | -10            | PASS    |
| Band7 | 5                  | 21425         | 25         | #0             | 16QAM      | 2571.01            | -13.09              | -10            | PASS    |
| Band7 | 10                 | 20800         | 50         | #0             | QPSK       | 2498.91            | -16.95              | -10            | PASS    |
| Band7 | 10                 | 20800         | 50         | #0             | 16QAM      | 2498.98            | -18.53              | -10            | PASS    |
| Band7 | 10                 | 21400         | 50         | #0             | QPSK       | 2571.04            | -17.45              | -10            | PASS    |
| Band7 | 10                 | 21400         | 50         | #0             | 16QAM      | 2571.02            | -18.66              | -10            | PASS    |
| Band7 | 15                 | 20825         | 75         | #0             | QPSK       | 2495.76            | -18.56              | -13            | PASS    |
| Band7 | 15                 | 20825         | 75         | #0             | 16QAM      | 2484.65            | -32.63              | -25            | PASS    |
| Band7 | 15                 | 21375         | 75         | #0             | QPSK       | 2575.56            | -18.19              | -13            | PASS    |
| Band7 | 15                 | 21375         | 75         | #0             | 16QAM      | 2575.02            | -21.79              | -13            | PASS    |
| Band7 | 20                 | 20850         | 100        | #0             | QPSK       | 2496.00            | -19.95              | -13            | PASS    |
| Band7 | 20                 | 20850         | 100        | #0             | 16QAM      | 2495.95            | -22.38              | -13            | PASS    |
| Band7 | 20                 | 21350         | 100        | #0             | QPSK       | 2575.17            | -21.54              | -13            | PASS    |
| Band7 | 20                 | 21350         | 100        | #0             | 16QAM      | 2575.35            | -24.05              | -13            | PASS    |

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



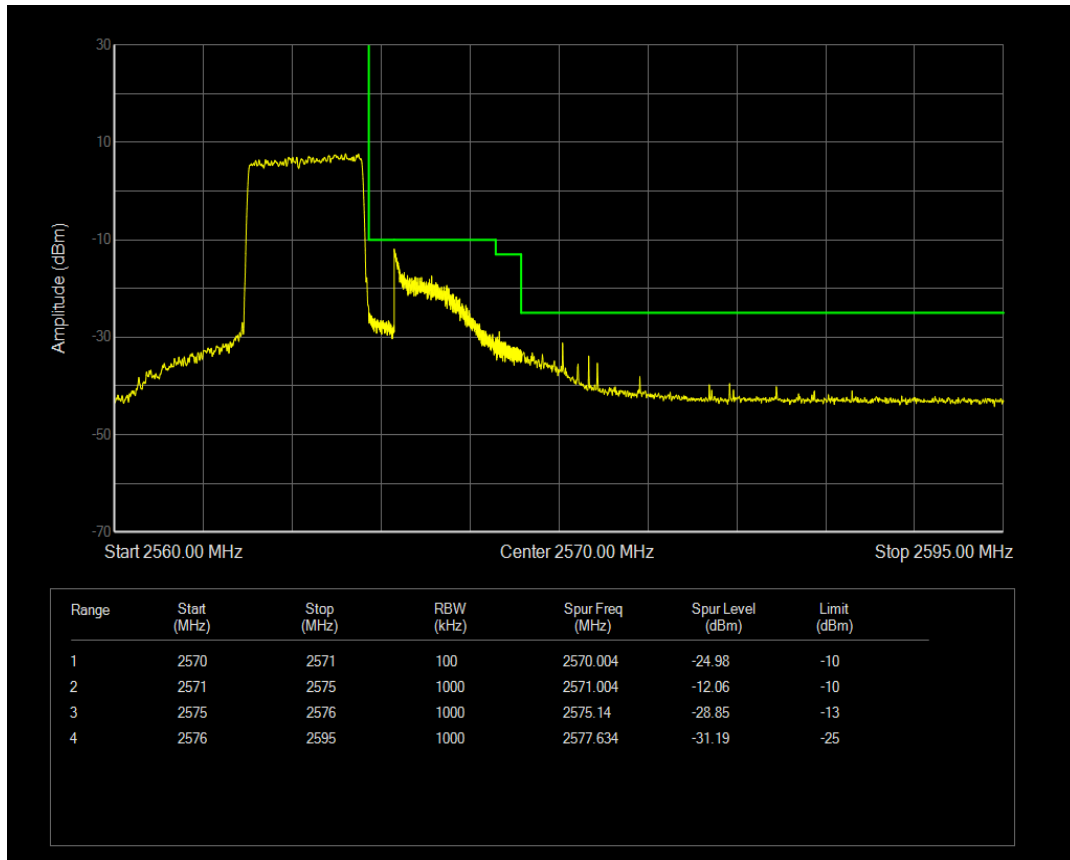


Band7 16QAM BW=5MHz Channel=20775 RB Size=25 Position=#0

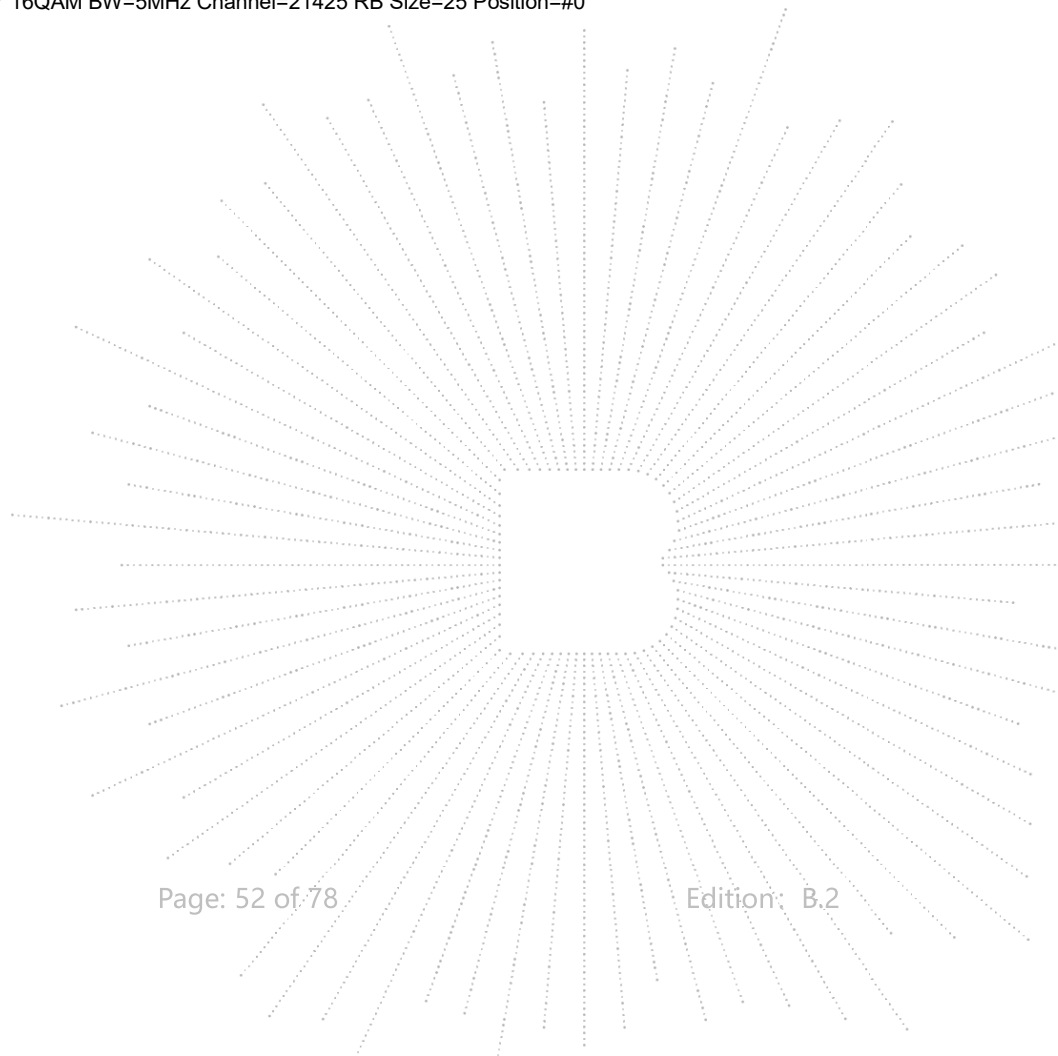


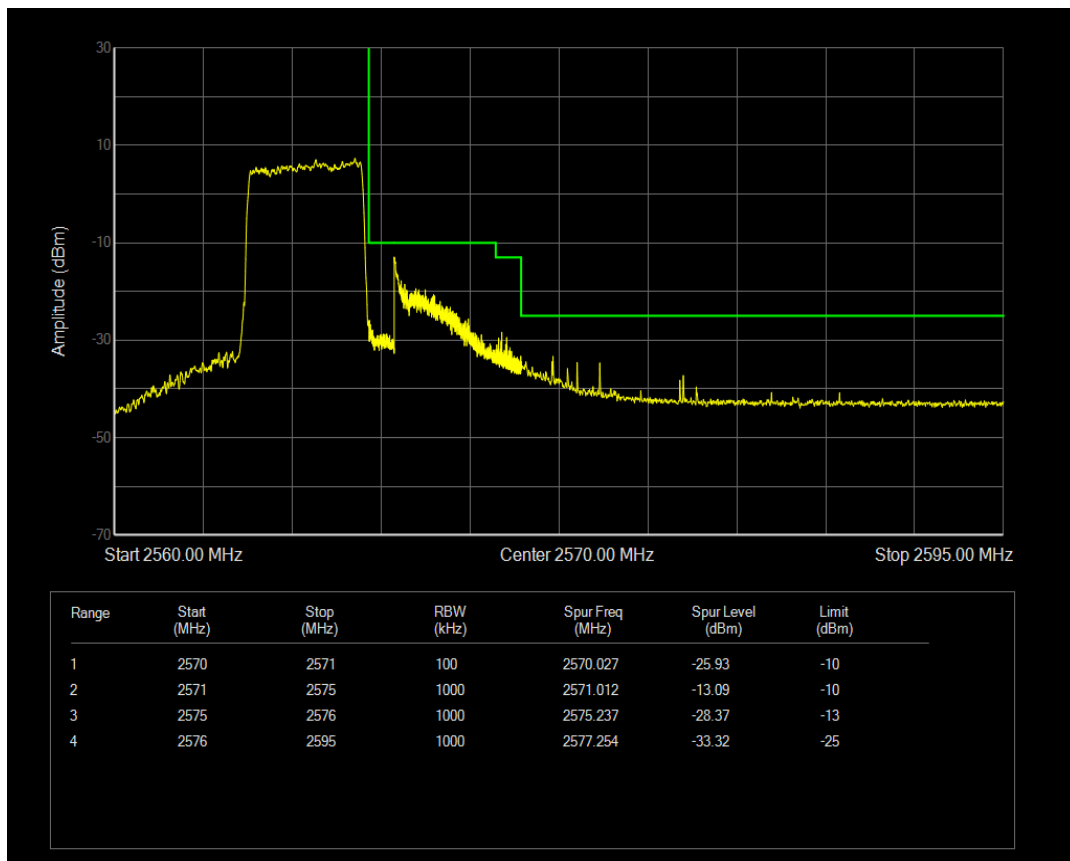


Band7 QPSK BW=5MHz Channel=21425 RB Size=25 Position=#0

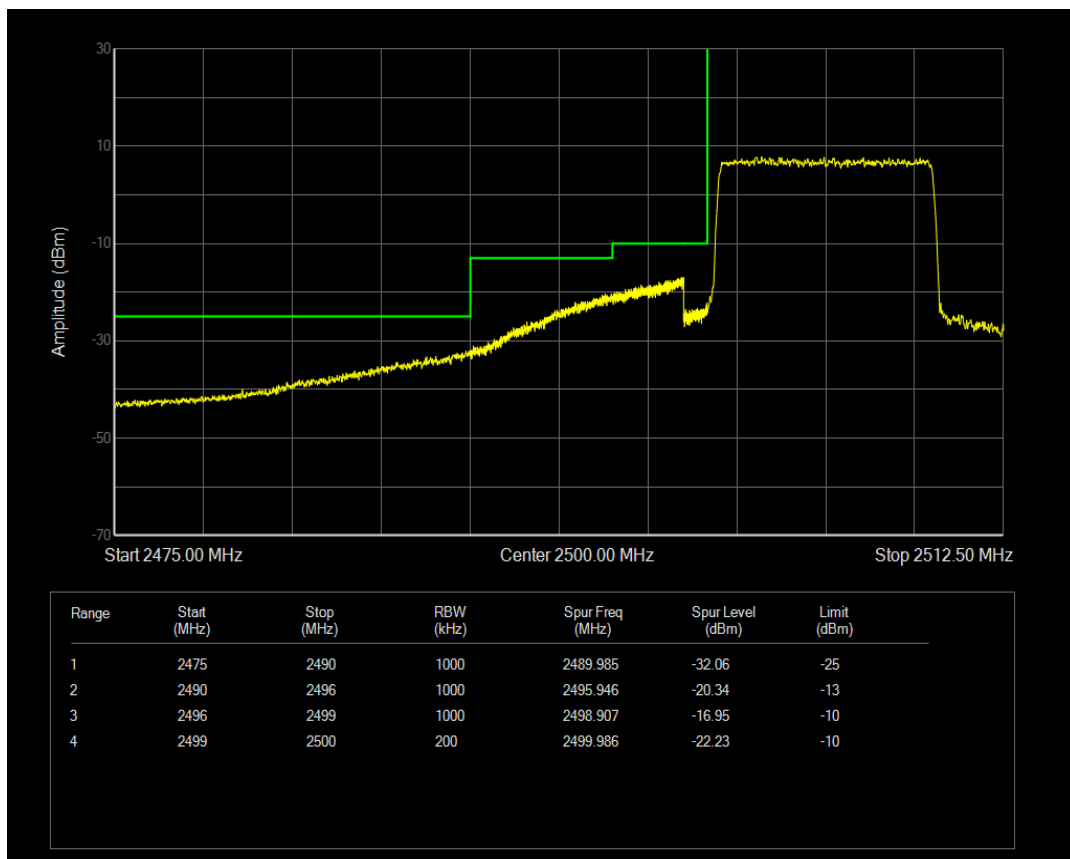


Band7 16QAM BW=5MHz Channel=21425 RB Size=25 Position=#0

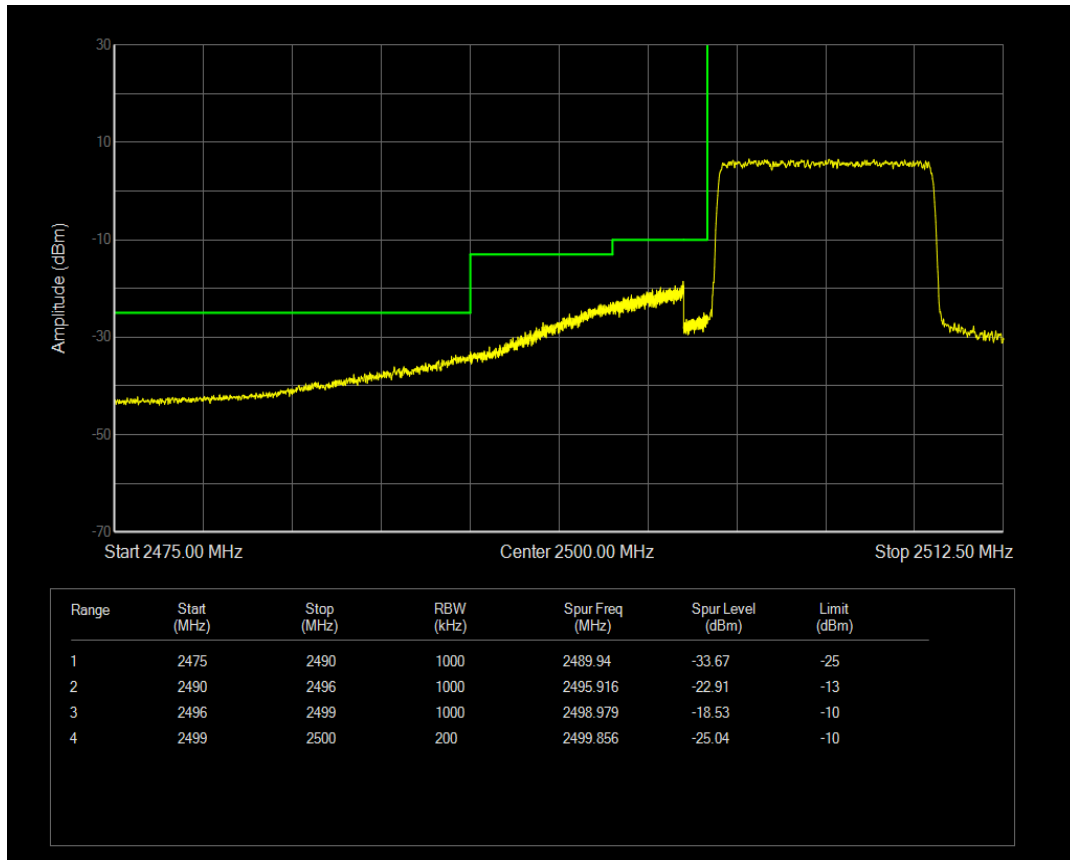




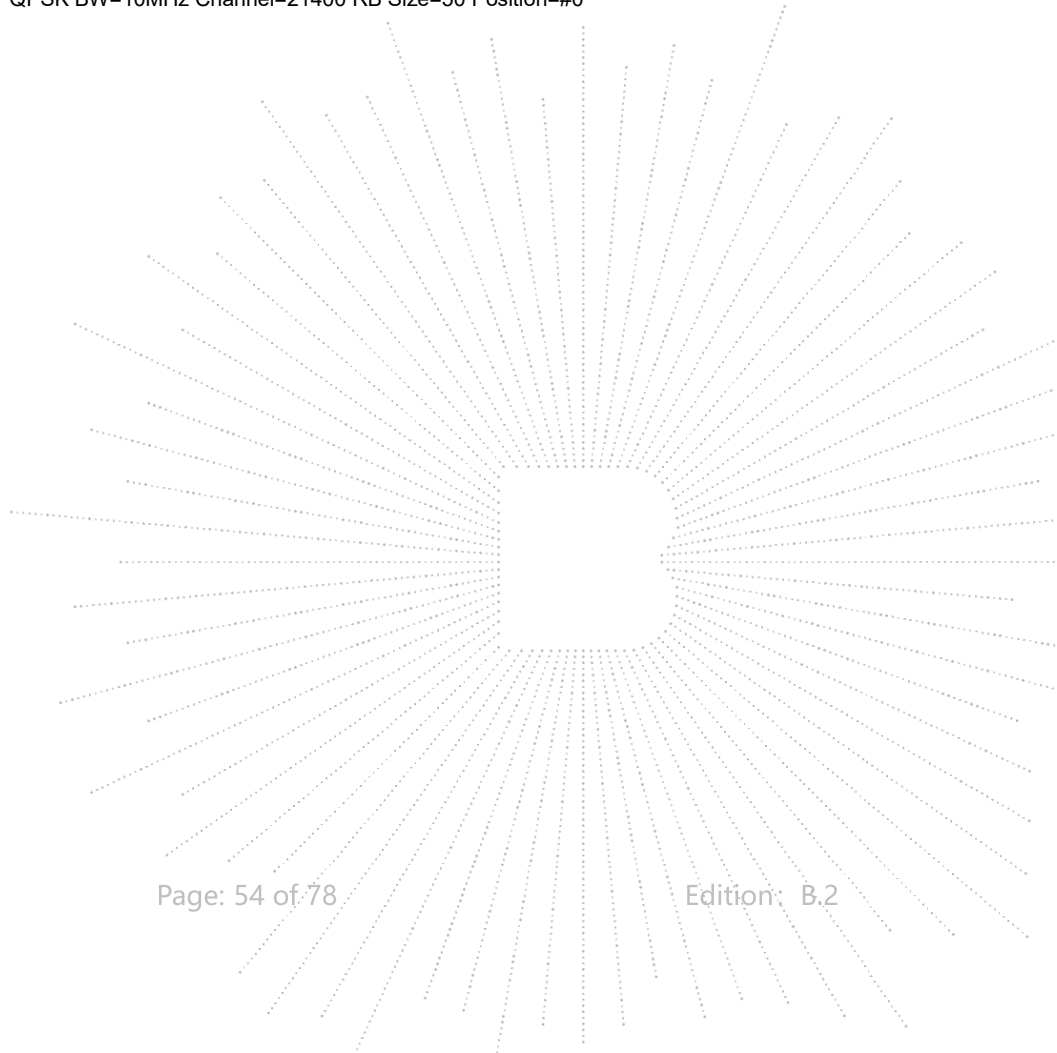
Band7 QPSK BW=10MHz Channel=20800 RB Size=50 Position=#0

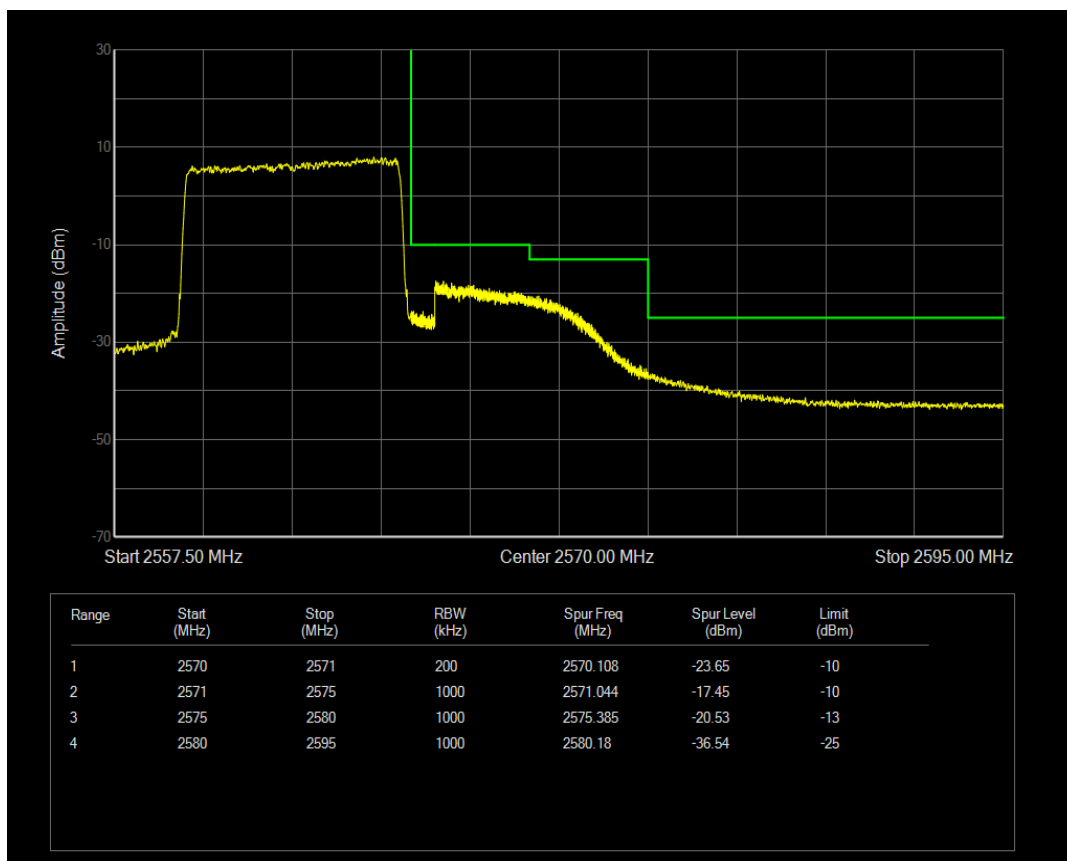


Band7 16QAM BW=10MHz Channel=20800 RB Size=50 Position=#0

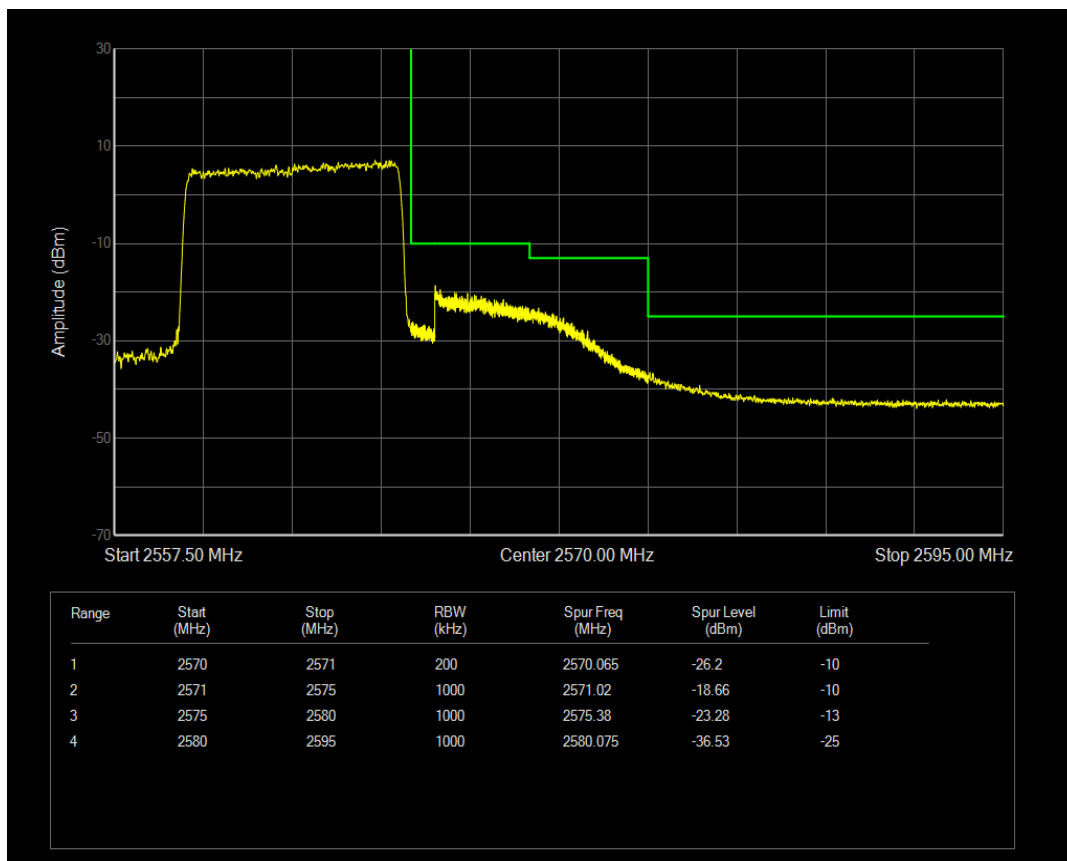


Band7 QPSK BW=10MHz Channel=21400 RB Size=50 Position=#0

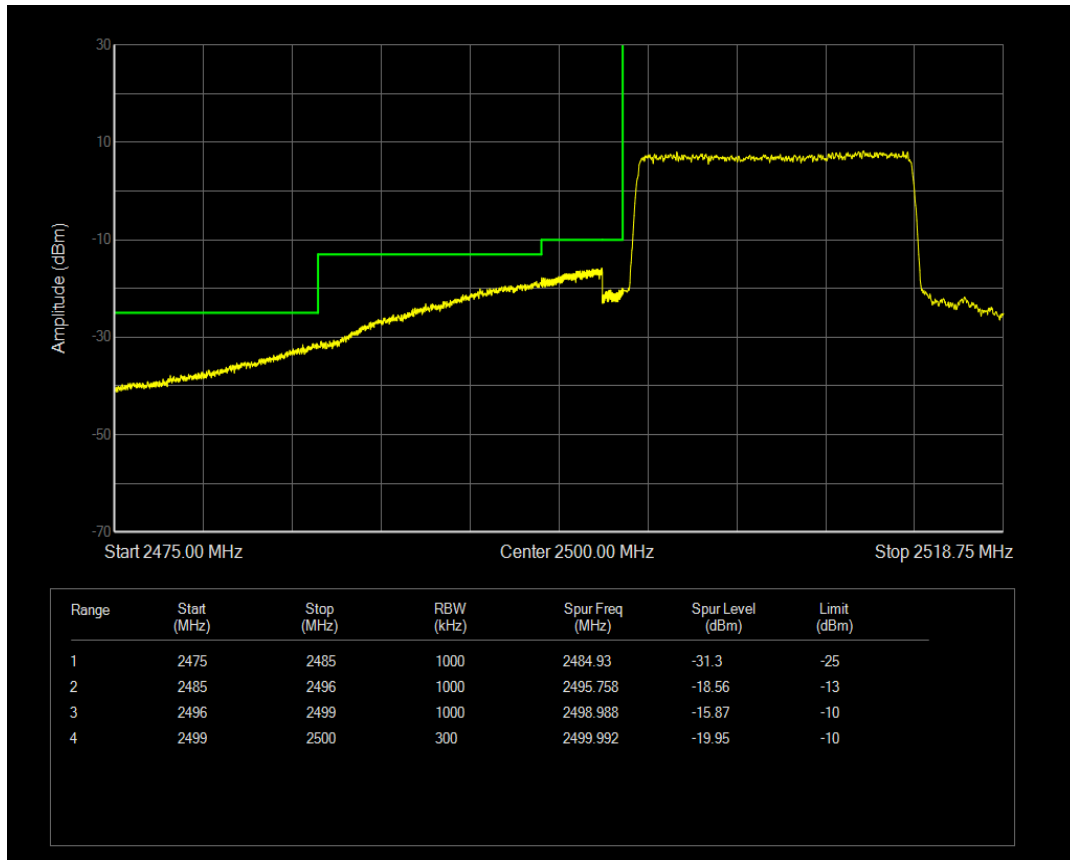




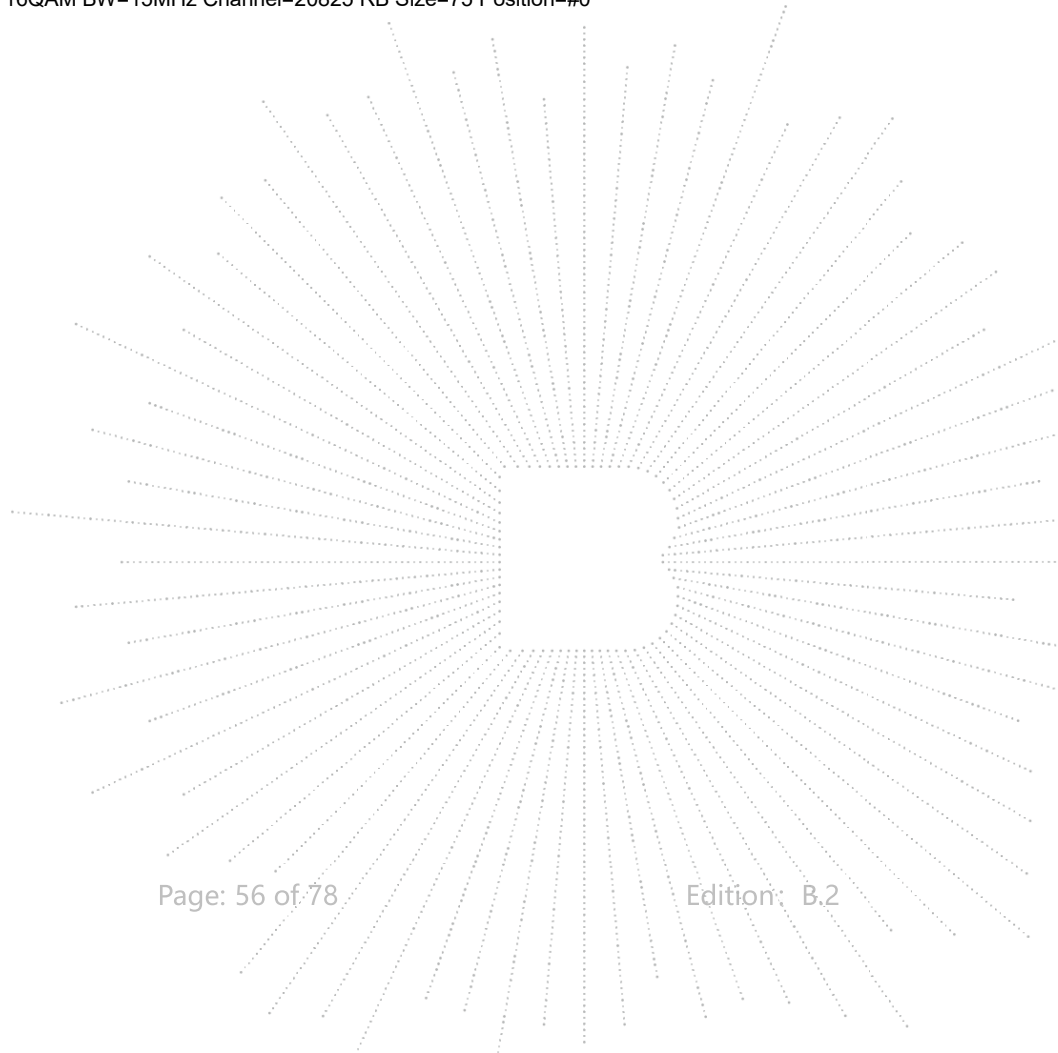
Band7 16QAM BW=10MHz Channel=21400 RB Size=50 Position=#0

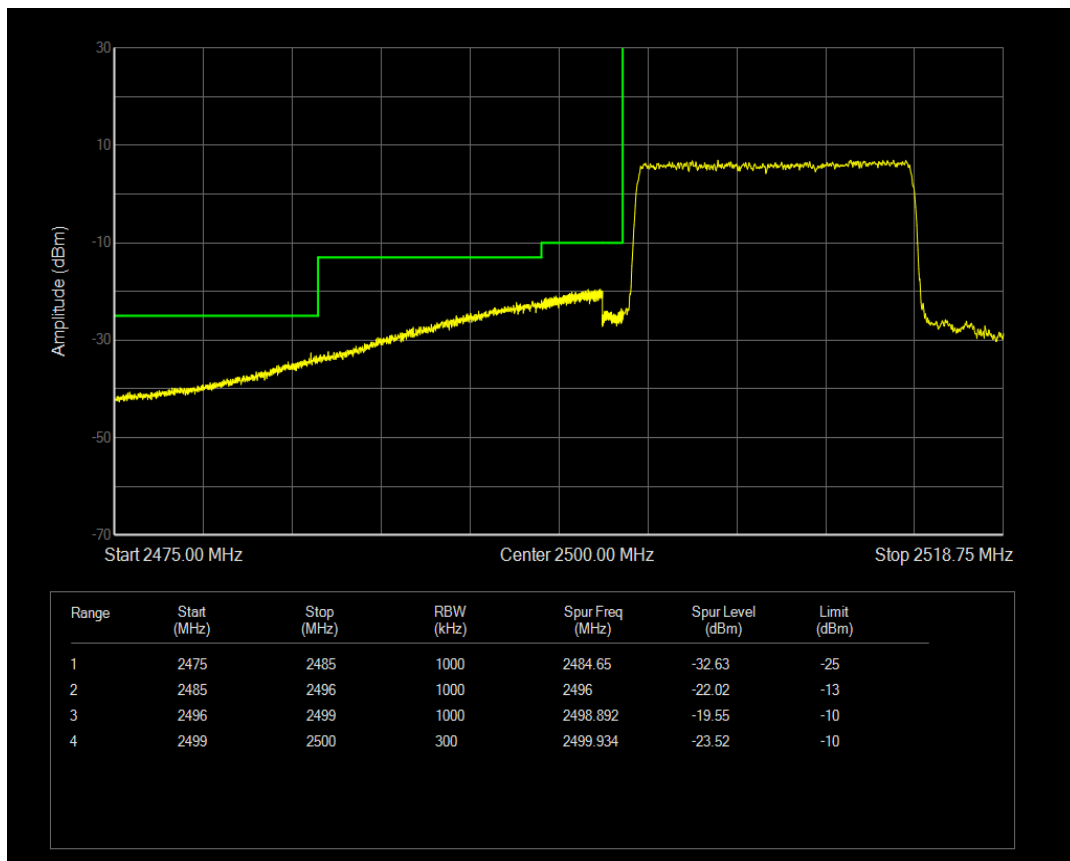


Band7 QPSK BW=15MHz Channel=20825 RB Size=75 Position=#0

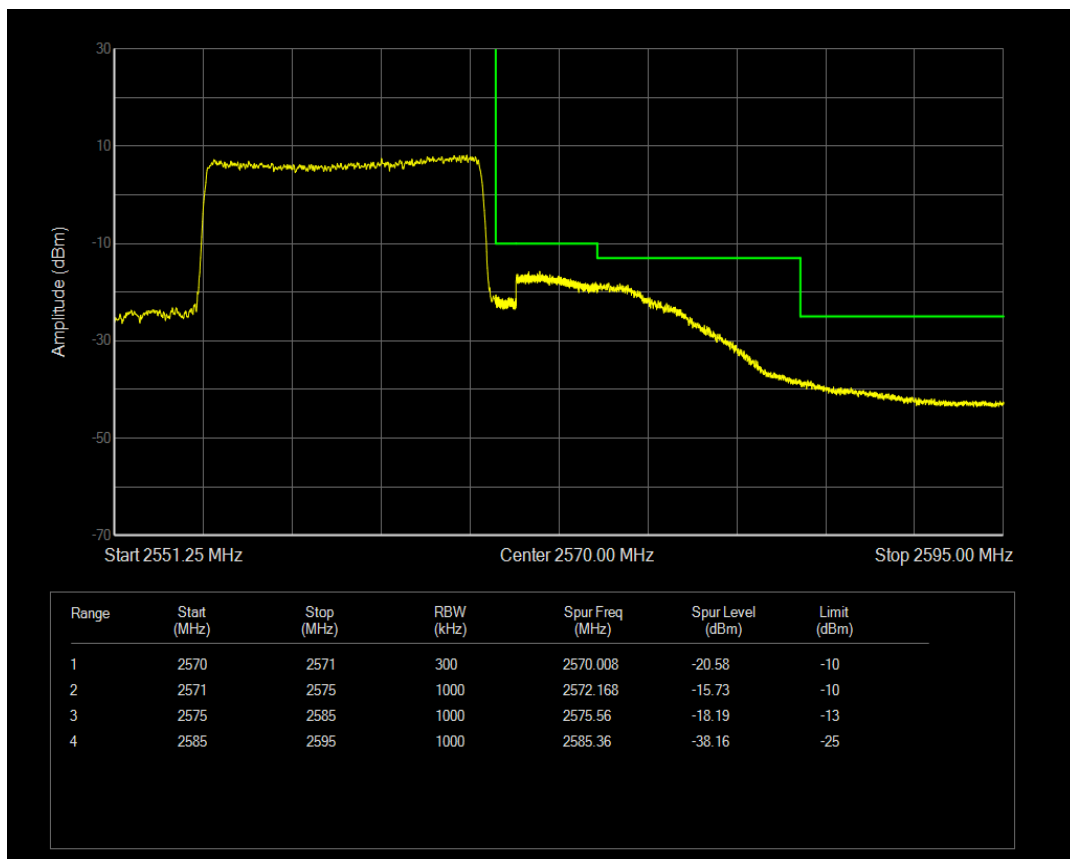


Band7 16QAM BW=15MHz Channel=20825 RB Size=75 Position=#0

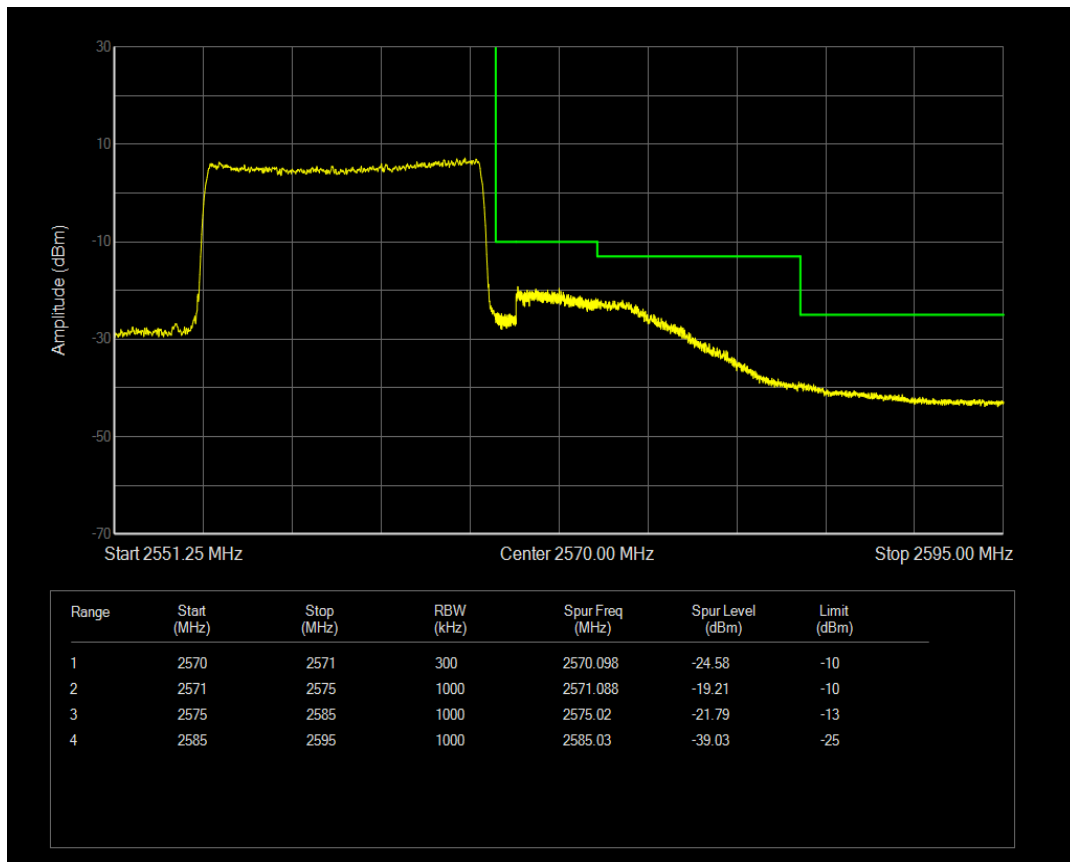




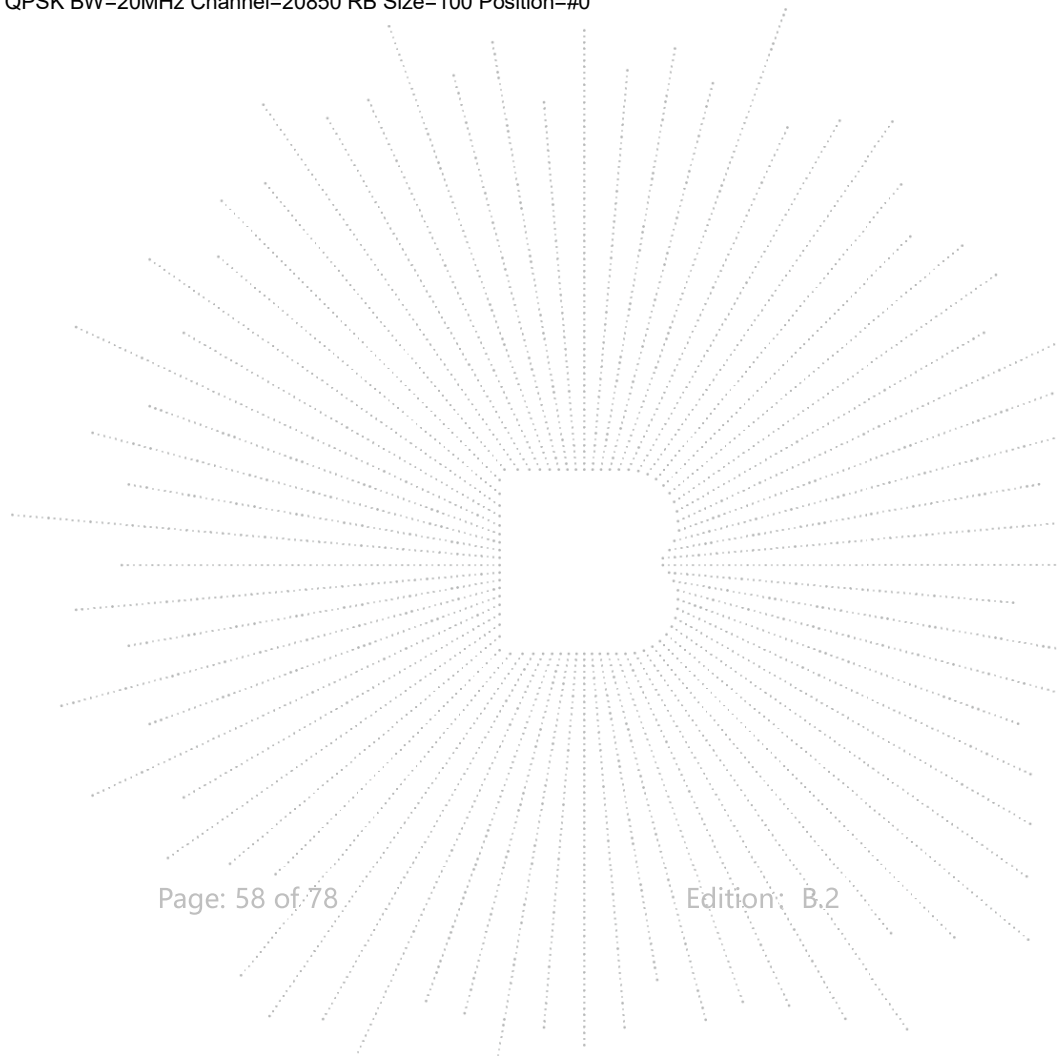
Band7 QPSK BW=15MHz Channel=21375 RB Size=75 Position=#0

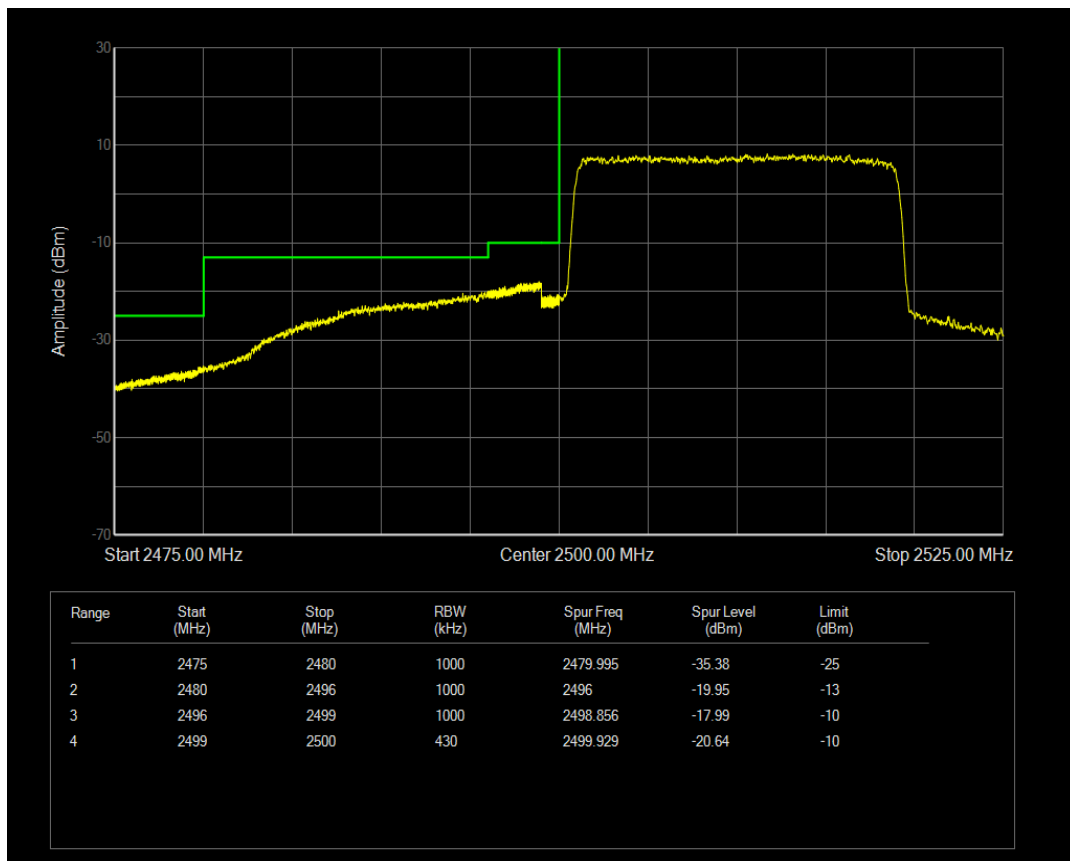


Band7 16QAM BW=15MHz Channel=21375 RB Size=75 Position=#0

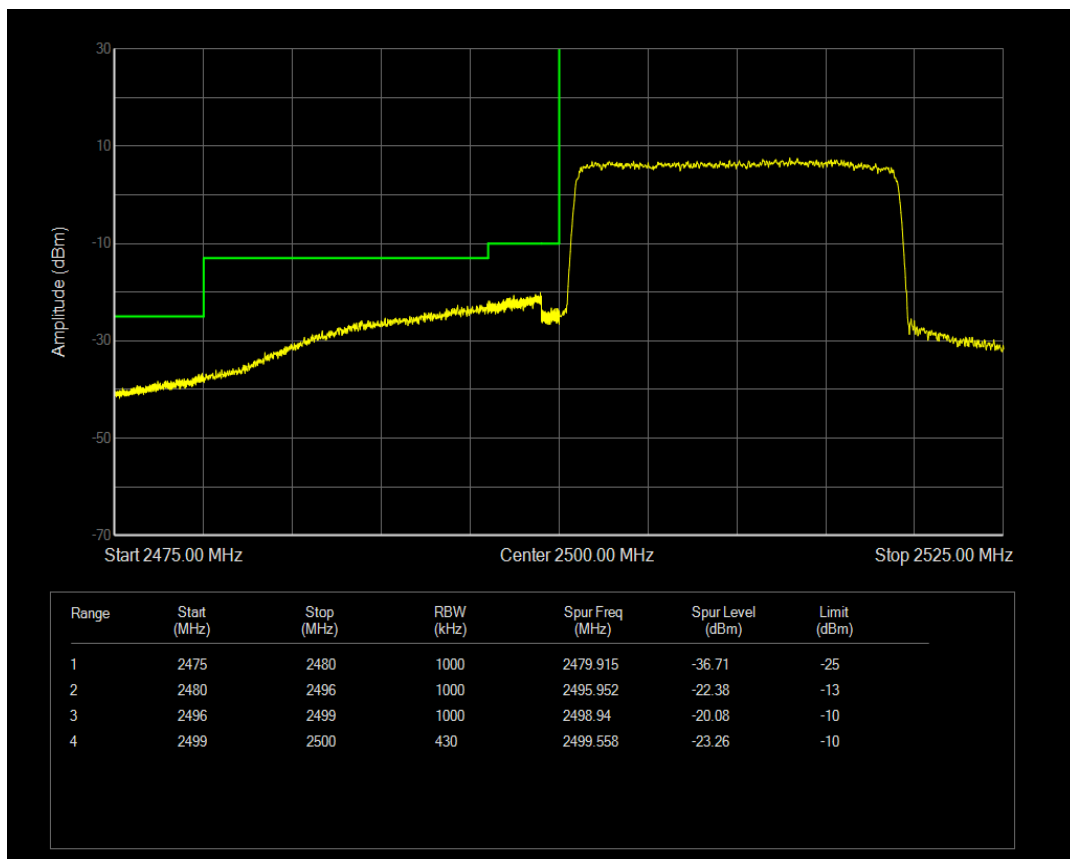


Band7 QPSK BW=20MHz Channel=20850 RB Size=100 Position=#0



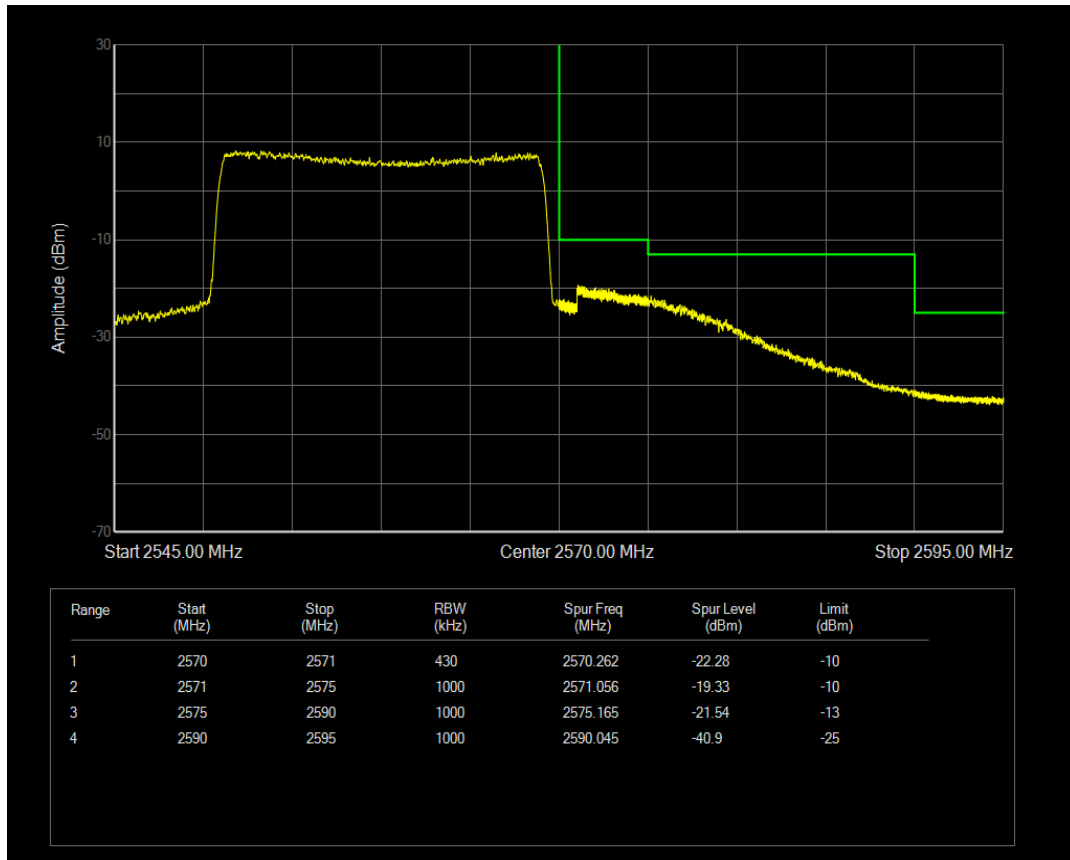


Band7 16QAM BW=20MHz Channel=20850 RB Size=100 Position=#0

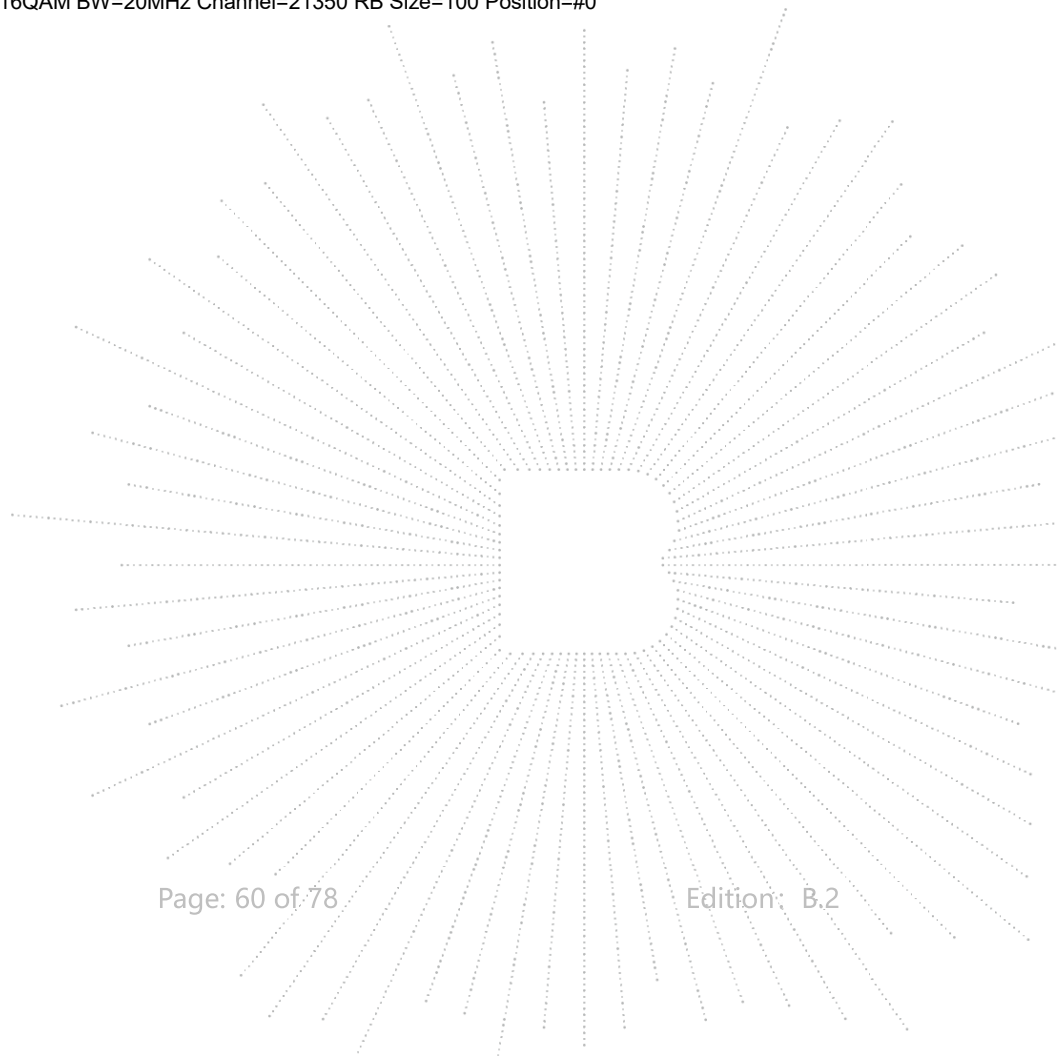


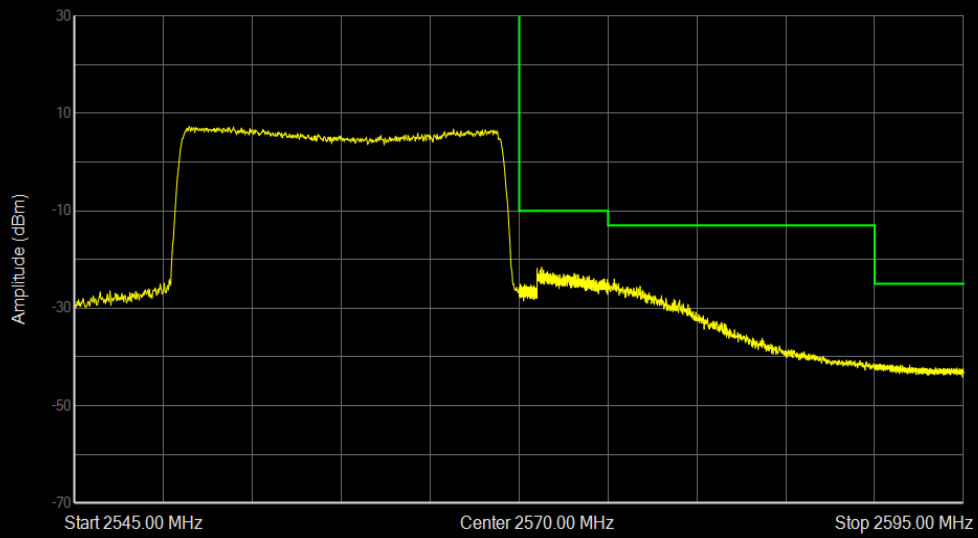


Band7 QPSK BW=20MHz Channel=21350 RB Size=100 Position=#0



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



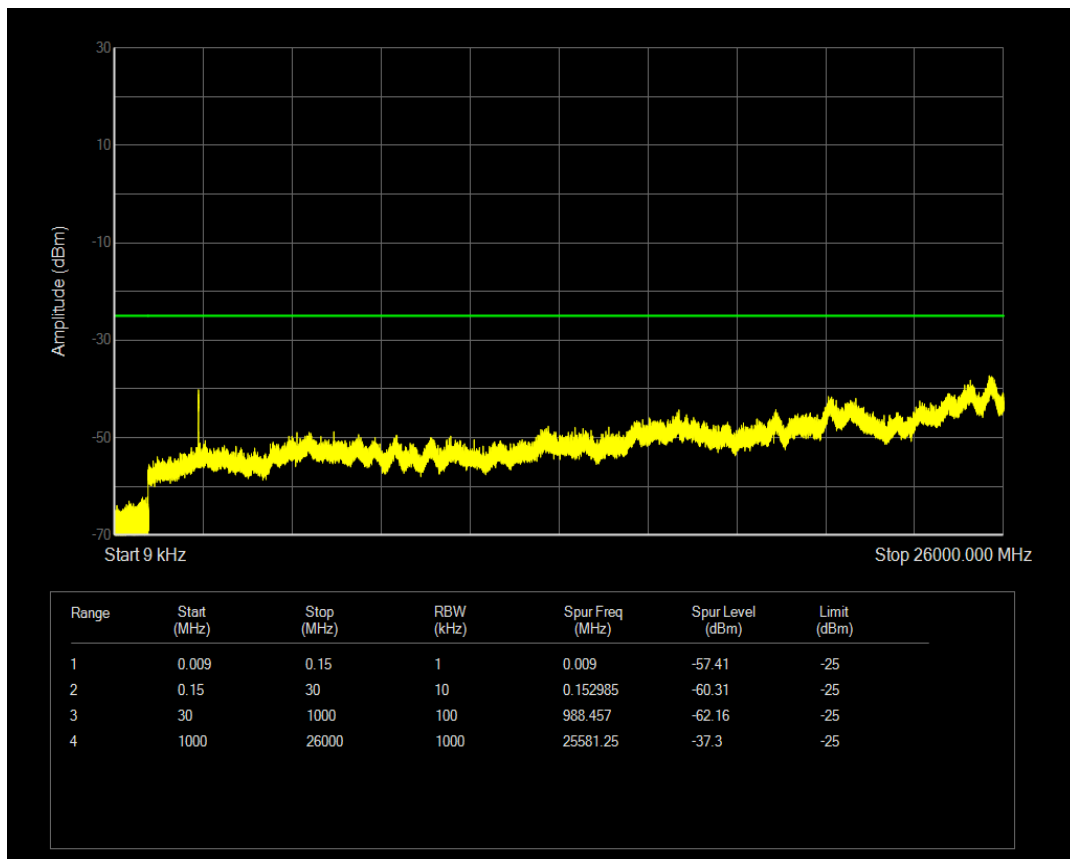


| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 2570        | 2571       | 430       | 2570.056        | -25.05           | -10         |
| 2     | 2571        | 2575       | 1000      | 2571.26         | -21.61           | -10         |
| 3     | 2575        | 2590       | 1000      | 2575.345        | -24.05           | -13         |
| 4     | 2590        | 2595       | 1000      | 2590.07         | -41.47           | -25         |

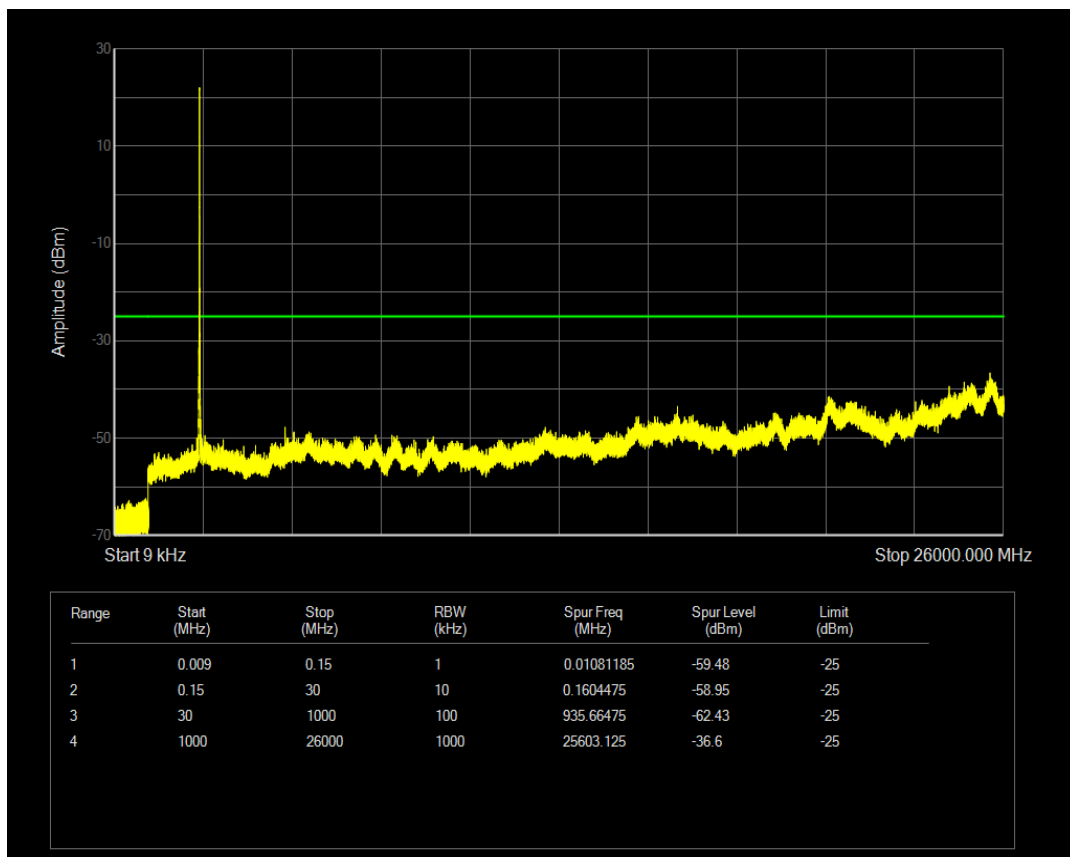
## Appendix 6. Out-of-band emissions

| Band  | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Size | RB<br>Position | Modulation | Spur Freq<br>(MHz) | Spur Level<br>(dBm) | Limit<br>(dBm) | Verdict |
|-------|--------------------|---------------|------------|----------------|------------|--------------------|---------------------|----------------|---------|
| Band7 | 5                  | 20775         | 25         | #0             | QPSK       | 25581.25           | -37.30              | -25            | PASS    |
| Band7 | 5                  | 20775         | 25         | #0             | 16QAM      | 25603.13           | -36.60              | -25            | PASS    |
| Band7 | 5                  | 21100         | 25         | #0             | QPSK       | 25585.00           | -36.73              | -25            | PASS    |
| Band7 | 5                  | 21100         | 25         | #0             | 16QAM      | 25651.88           | -35.95              | -25            | PASS    |
| Band7 | 5                  | 21425         | 25         | #0             | QPSK       | 25645.63           | -35.97              | -25            | PASS    |
| Band7 | 5                  | 21425         | 25         | #0             | 16QAM      | 25591.25           | -36.97              | -25            | PASS    |
| Band7 | 10                 | 20800         | 50         | #0             | QPSK       | 25661.88           | -36.49              | -25            | PASS    |
| Band7 | 10                 | 20800         | 50         | #0             | 16QAM      | 25670.63           | -36.94              | -25            | PASS    |
| Band7 | 10                 | 21100         | 50         | #0             | QPSK       | 25619.38           | -37.45              | -25            | PASS    |
| Band7 | 10                 | 21100         | 50         | #0             | 16QAM      | 25641.25           | -36.55              | -25            | PASS    |
| Band7 | 10                 | 21400         | 50         | #0             | QPSK       | 25647.50           | -36.47              | -25            | PASS    |
| Band7 | 10                 | 21400         | 50         | #0             | 16QAM      | 25577.50           | -37.52              | -25            | PASS    |
| Band7 | 15                 | 20825         | 75         | #0             | QPSK       | 25591.25           | -36.88              | -25            | PASS    |
| Band7 | 15                 | 20825         | 75         | #0             | 16QAM      | 25615.63           | -37.23              | -25            | PASS    |
| Band7 | 15                 | 21100         | 75         | #0             | QPSK       | 25641.88           | -36.58              | -25            | PASS    |
| Band7 | 15                 | 21100         | 75         | #0             | 16QAM      | 25616.88           | -37.42              | -25            | PASS    |
| Band7 | 15                 | 21375         | 75         | #0             | QPSK       | 25633.13           | -36.87              | -25            | PASS    |
| Band7 | 15                 | 21375         | 75         | #0             | 16QAM      | 25676.88           | -36.44              | -25            | PASS    |
| Band7 | 20                 | 20850         | 100        | #0             | QPSK       | 25631.25           | -36.27              | -25            | PASS    |
| Band7 | 20                 | 20850         | 100        | #0             | 16QAM      | 25620.00           | -36.16              | -25            | PASS    |
| Band7 | 20                 | 21100         | 100        | #0             | QPSK       | 25657.50           | -36.97              | -25            | PASS    |
| Band7 | 20                 | 21100         | 100        | #0             | 16QAM      | 25723.13           | -37.34              | -25            | PASS    |
| Band7 | 20                 | 21350         | 100        | #0             | QPSK       | 25658.13           | -37.35              | -25            | PASS    |
| Band7 | 20                 | 21350         | 100        | #0             | 16QAM      | 25619.38           | -37.02              | -25            | PASS    |

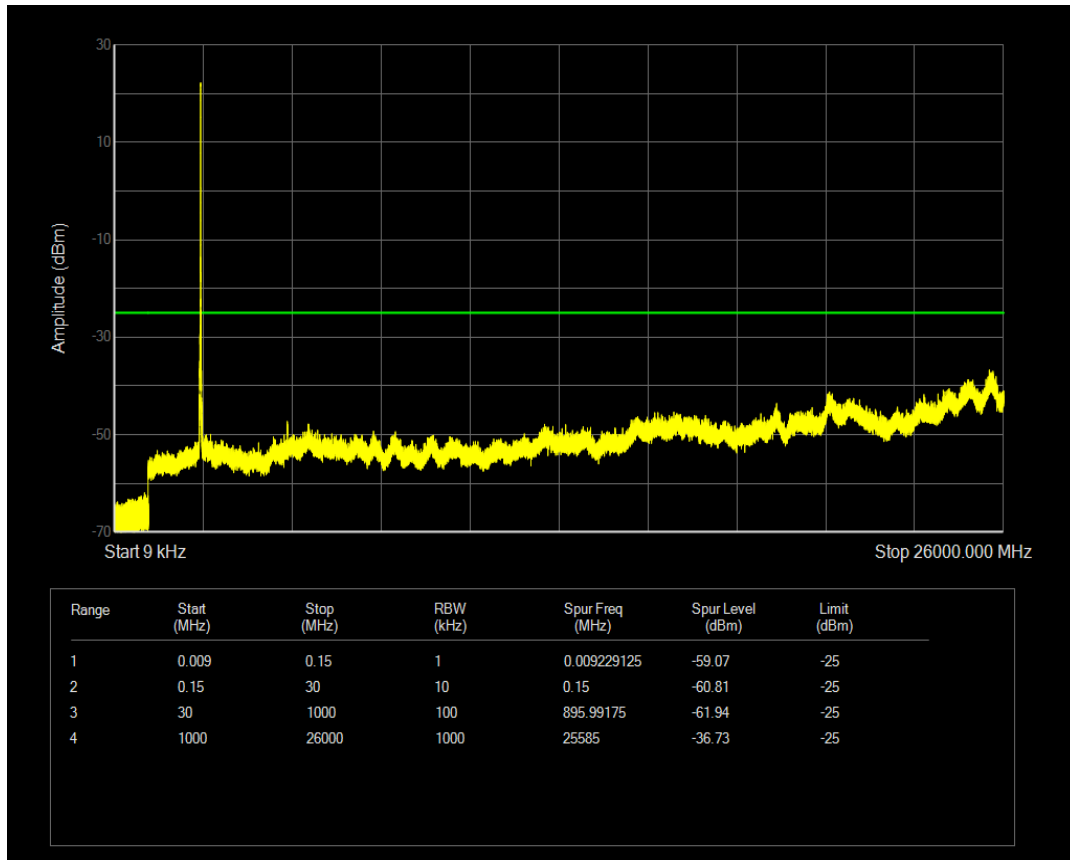
Band7 QPSK BW=5MHz Channel=20775 RB Size=25 Position=#0



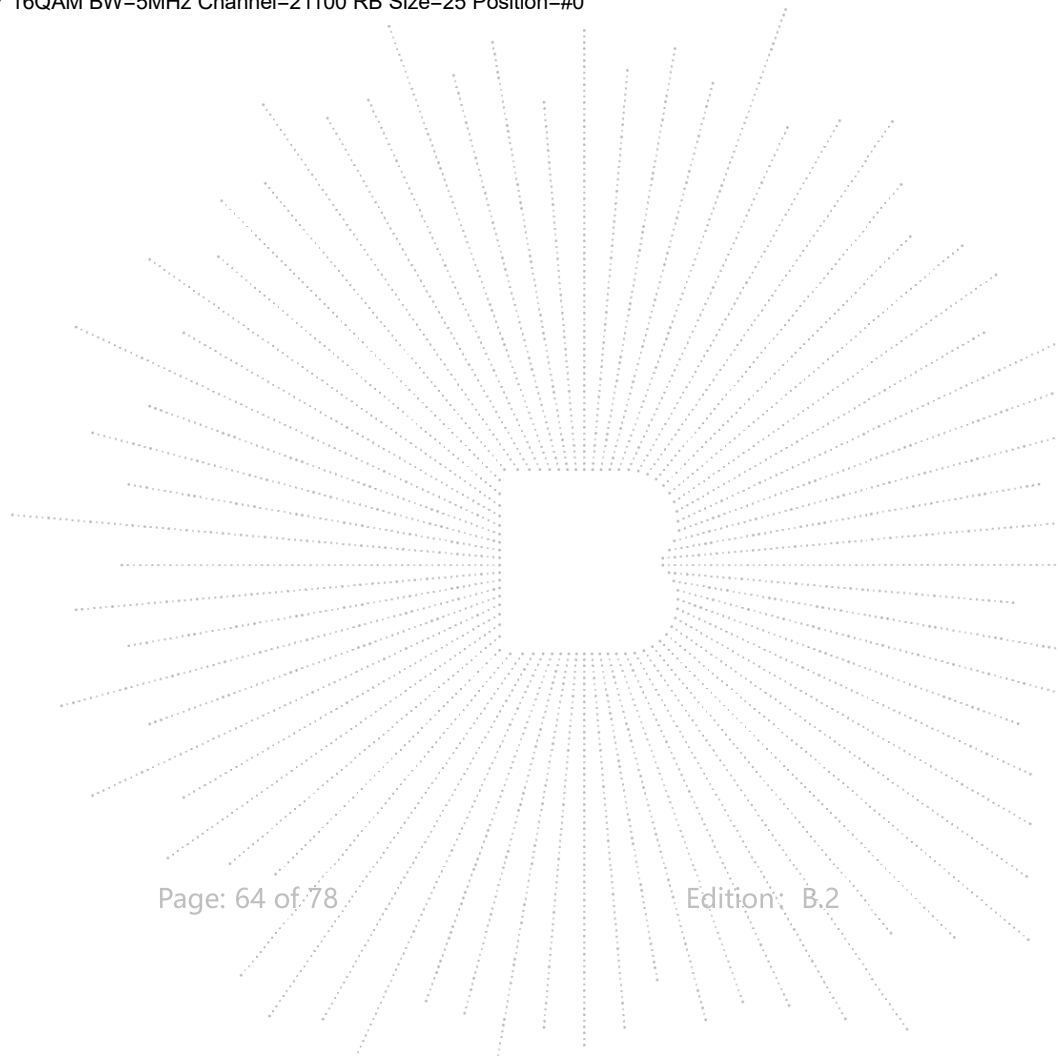
Band7 16QAM BW=5MHz Channel=20775 RB Size=25 Position=#0

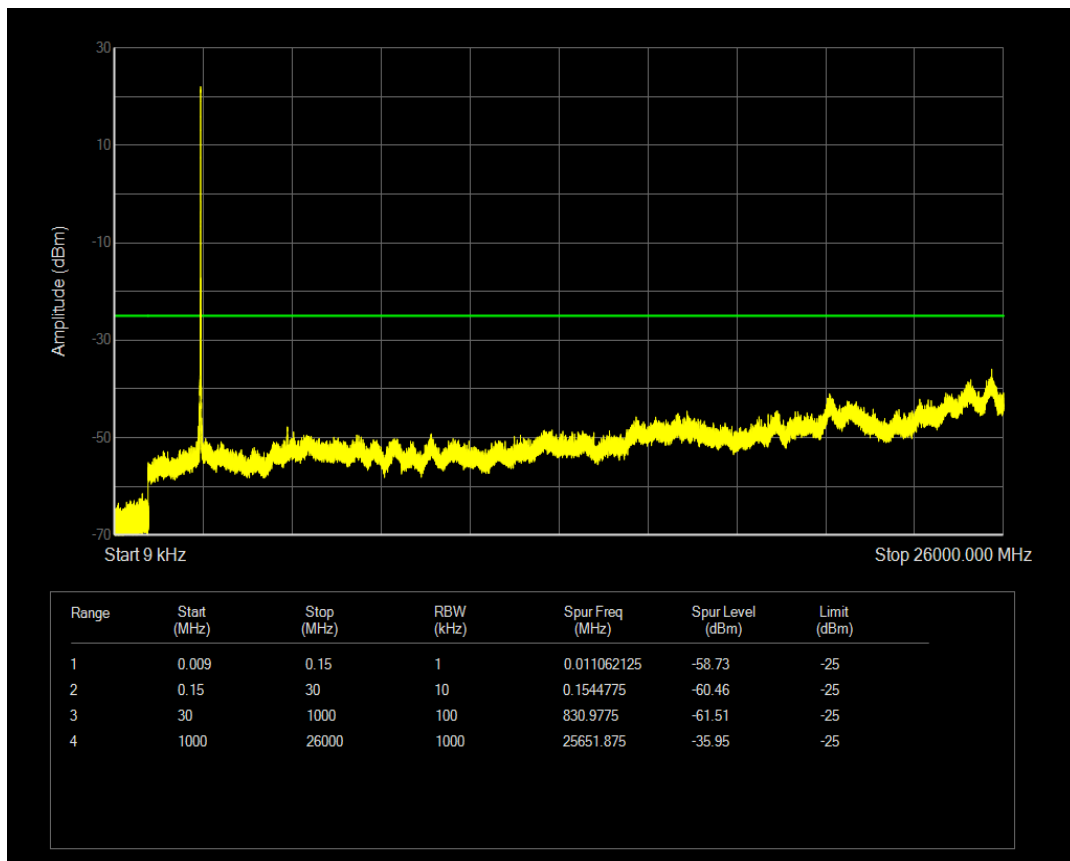


Band7 QPSK BW=5MHz Channel=21100 RB Size=25 Position=#0

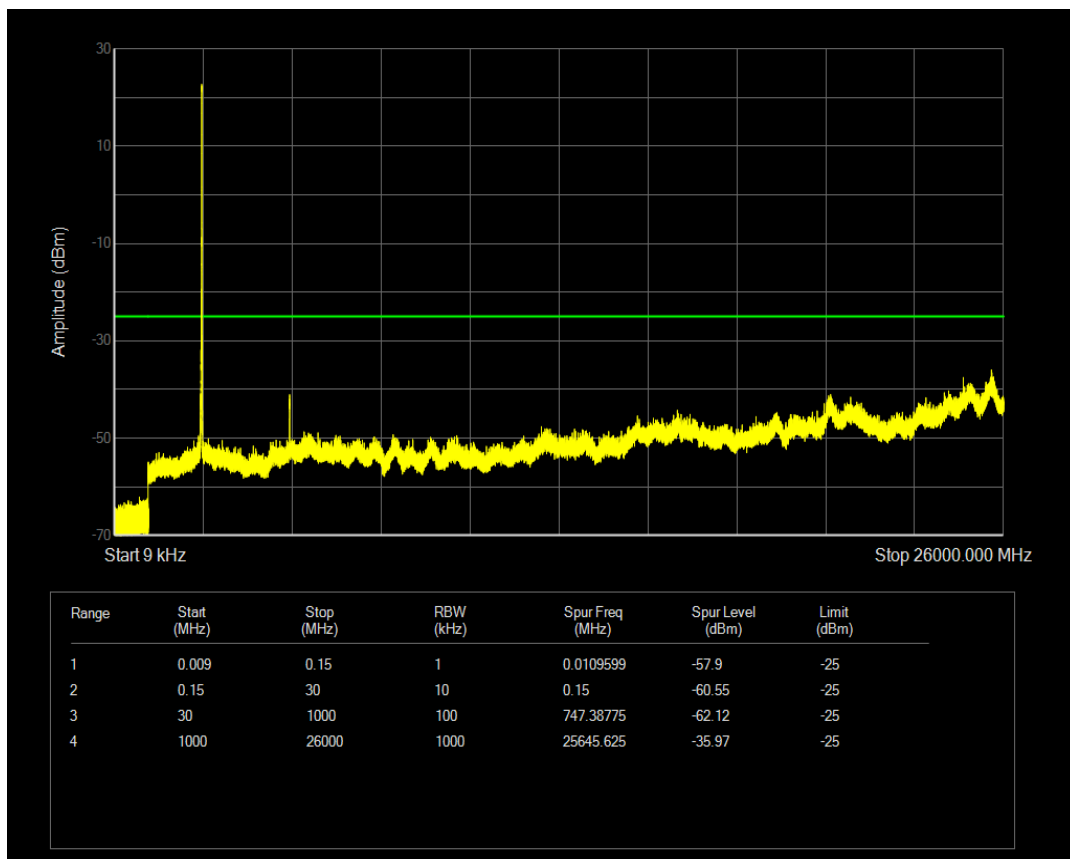


Band7 16QAM BW=5MHz Channel=21100 RB Size=25 Position=#0

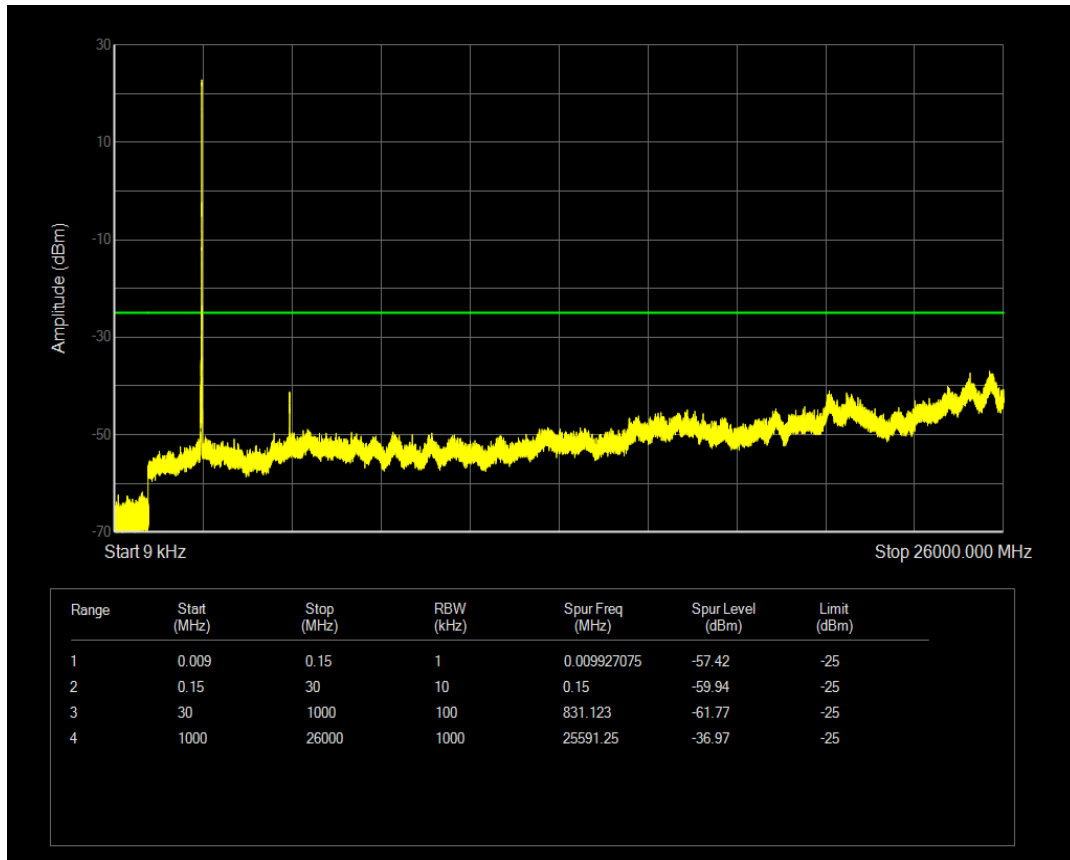




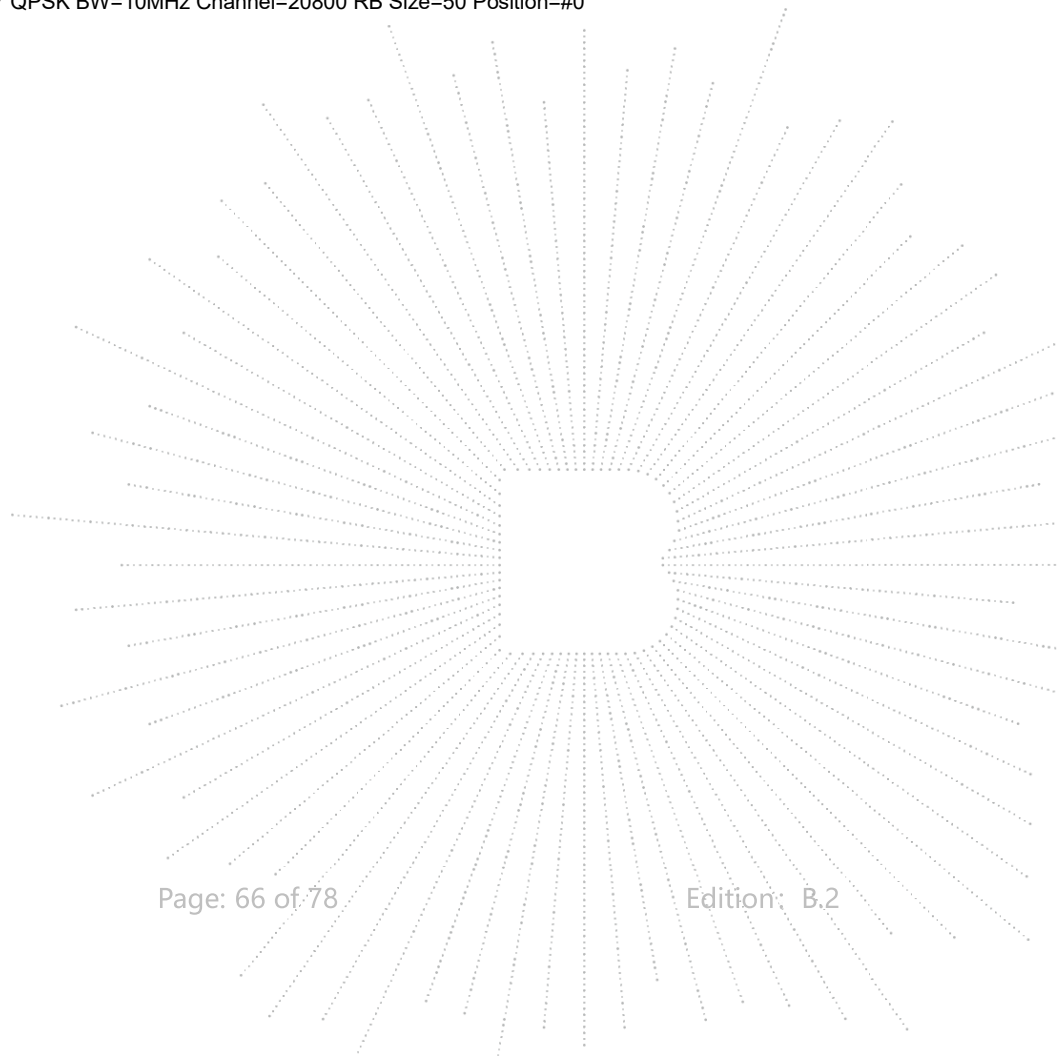
Band7 QPSK BW=5MHz Channel=21425 RB Size=25 Position=#0

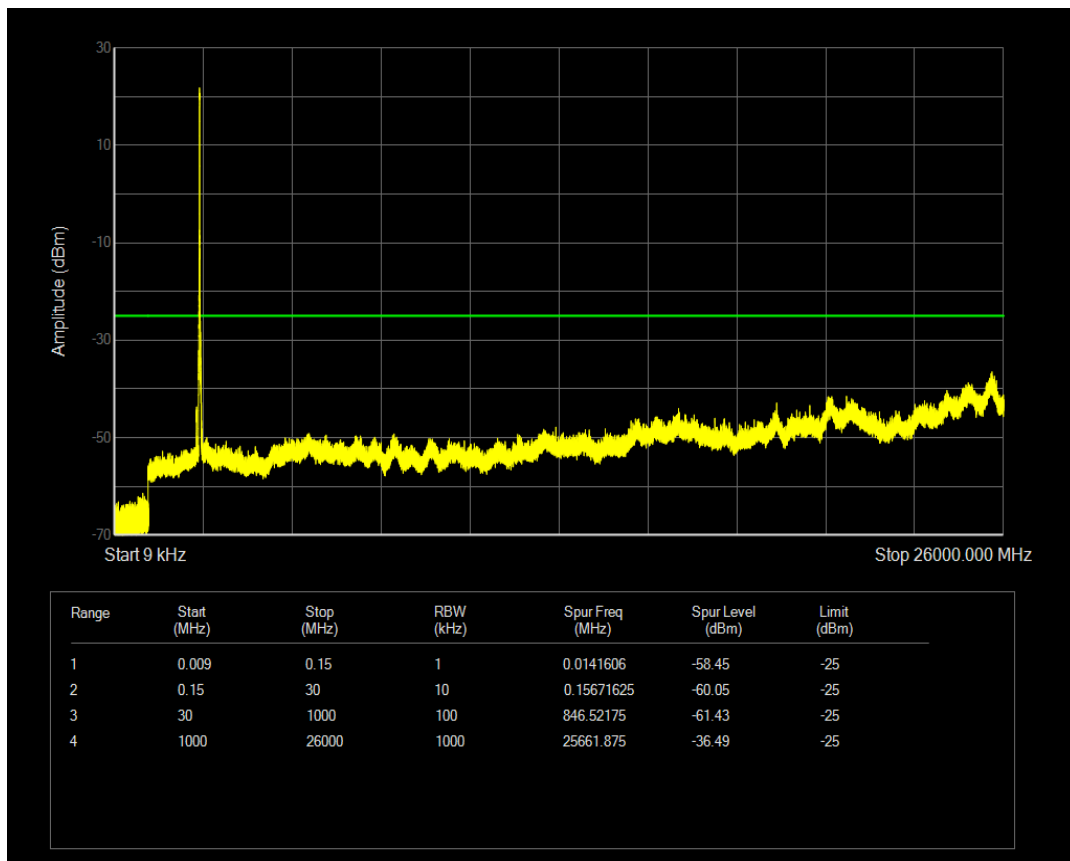


Band7 16QAM BW=5MHz Channel=21425 RB Size=25 Position=#0

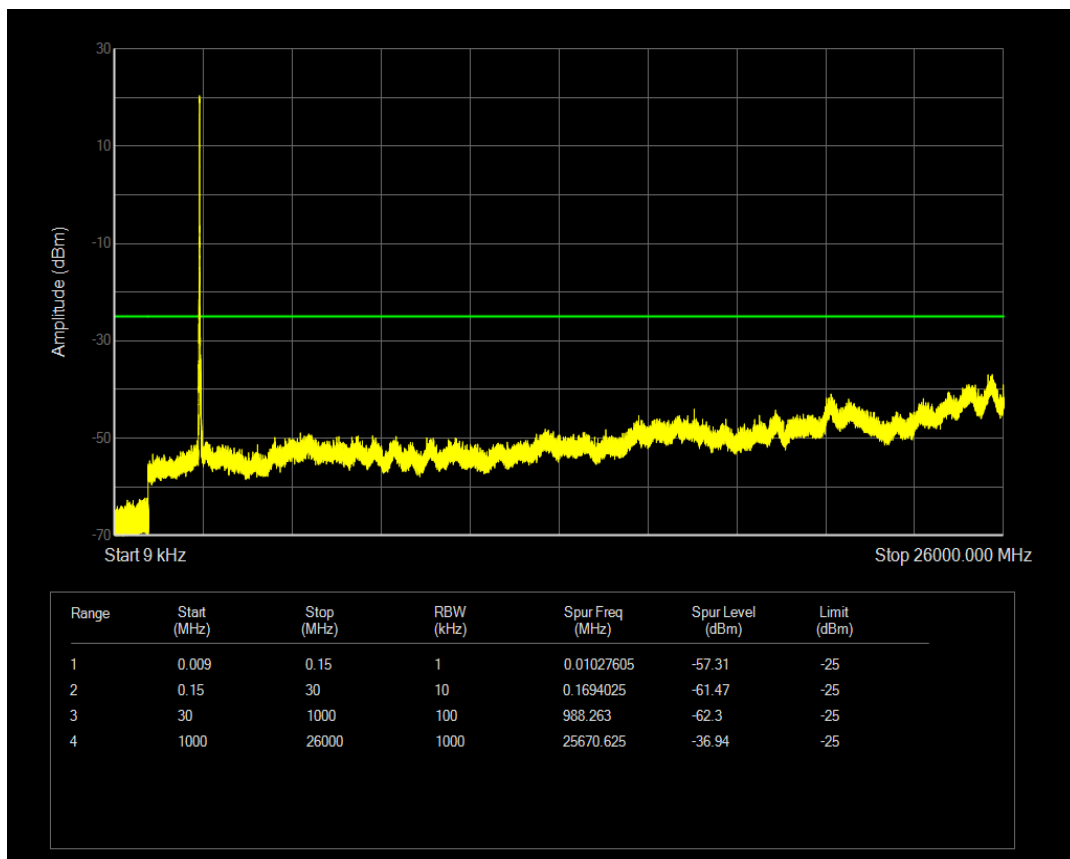


Band7 QPSK BW=10MHz Channel=20800 RB Size=50 Position=#0

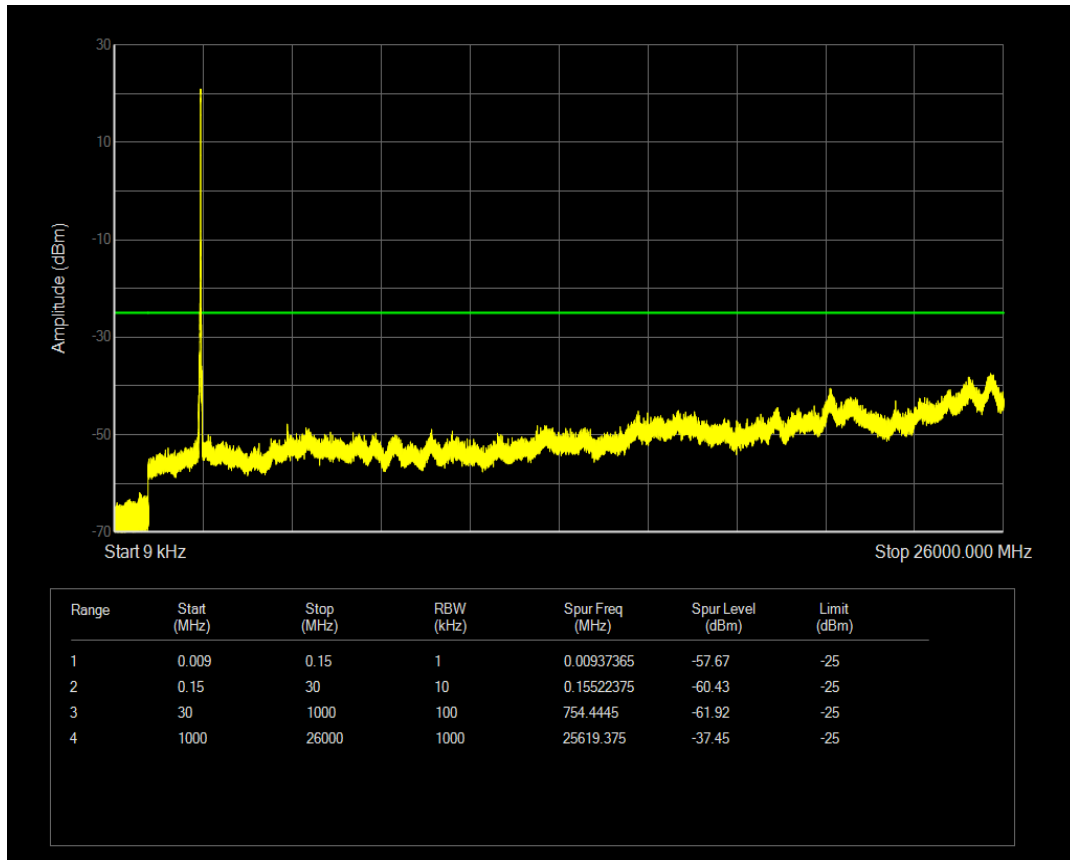




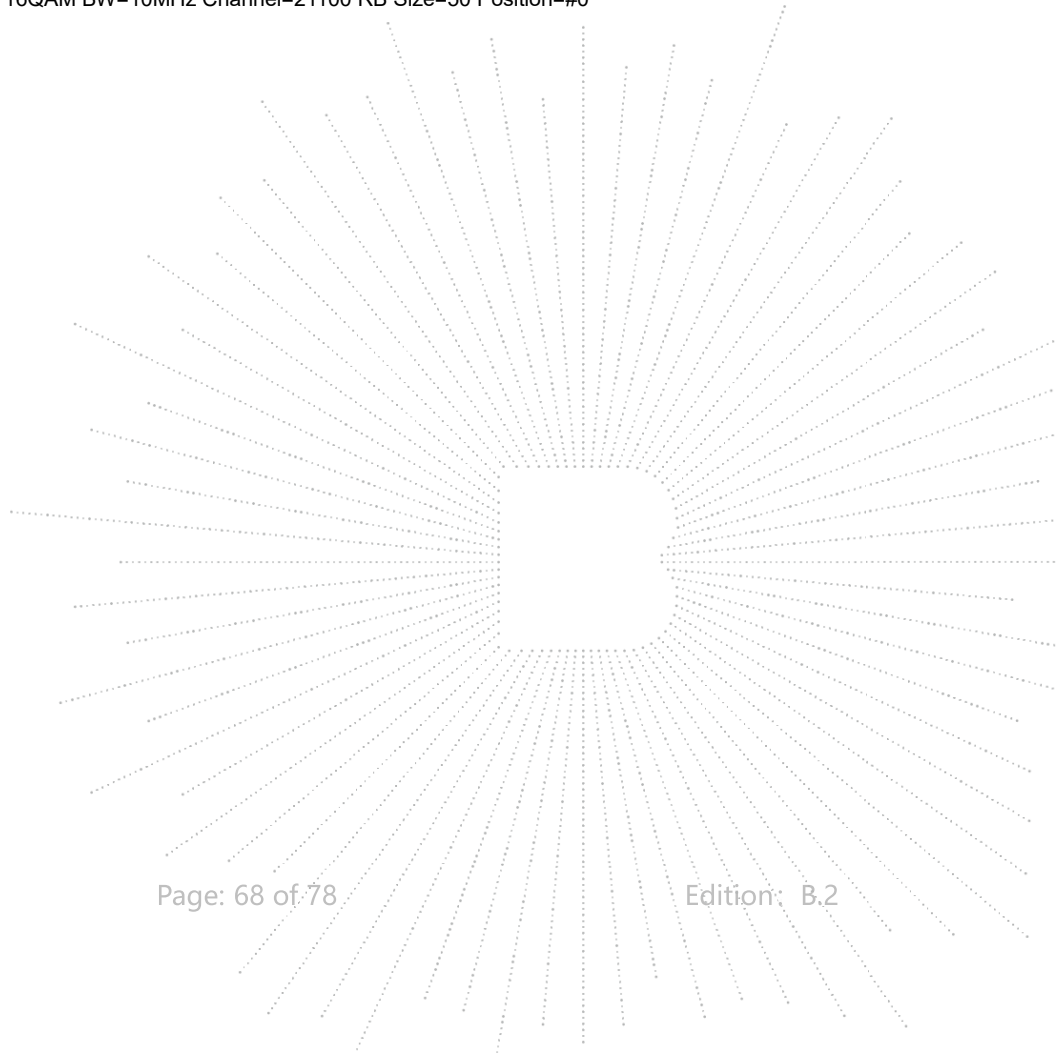
Band7 16QAM BW=10MHz Channel=20800 RB Size=50 Position=#0

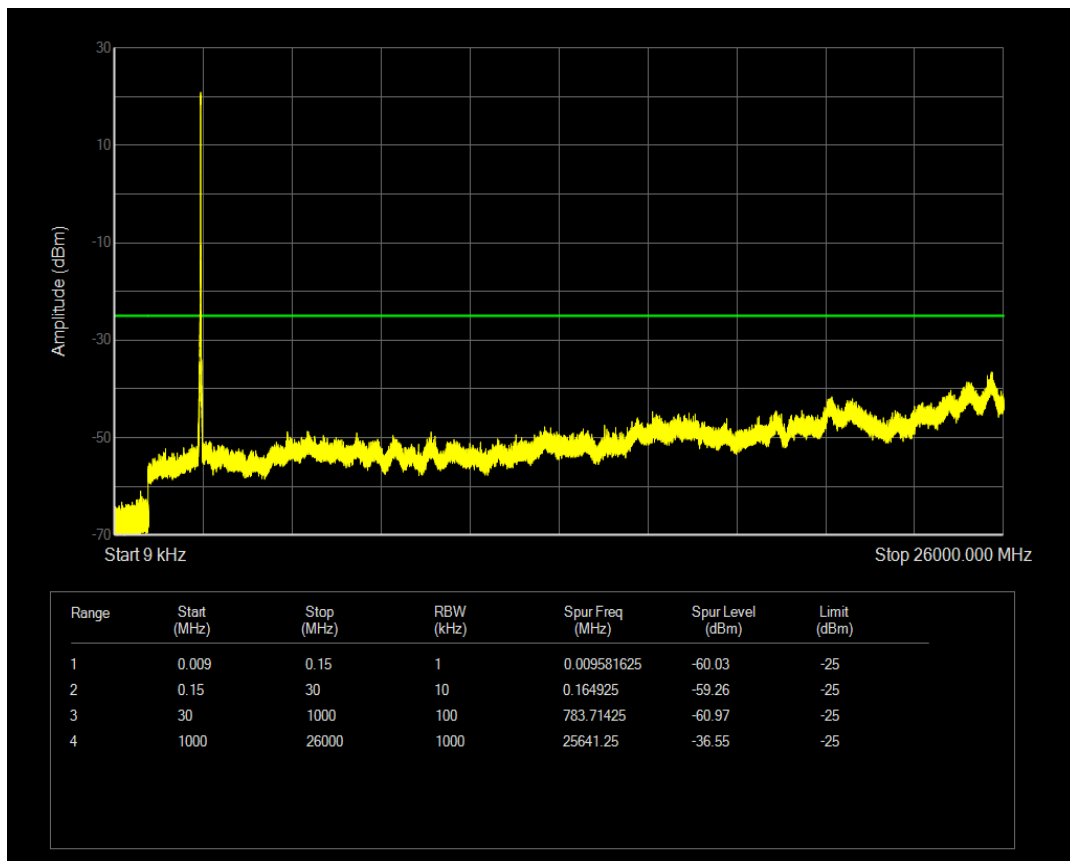


Band7 QPSK BW=10MHz Channel=21100 RB Size=50 Position=#0

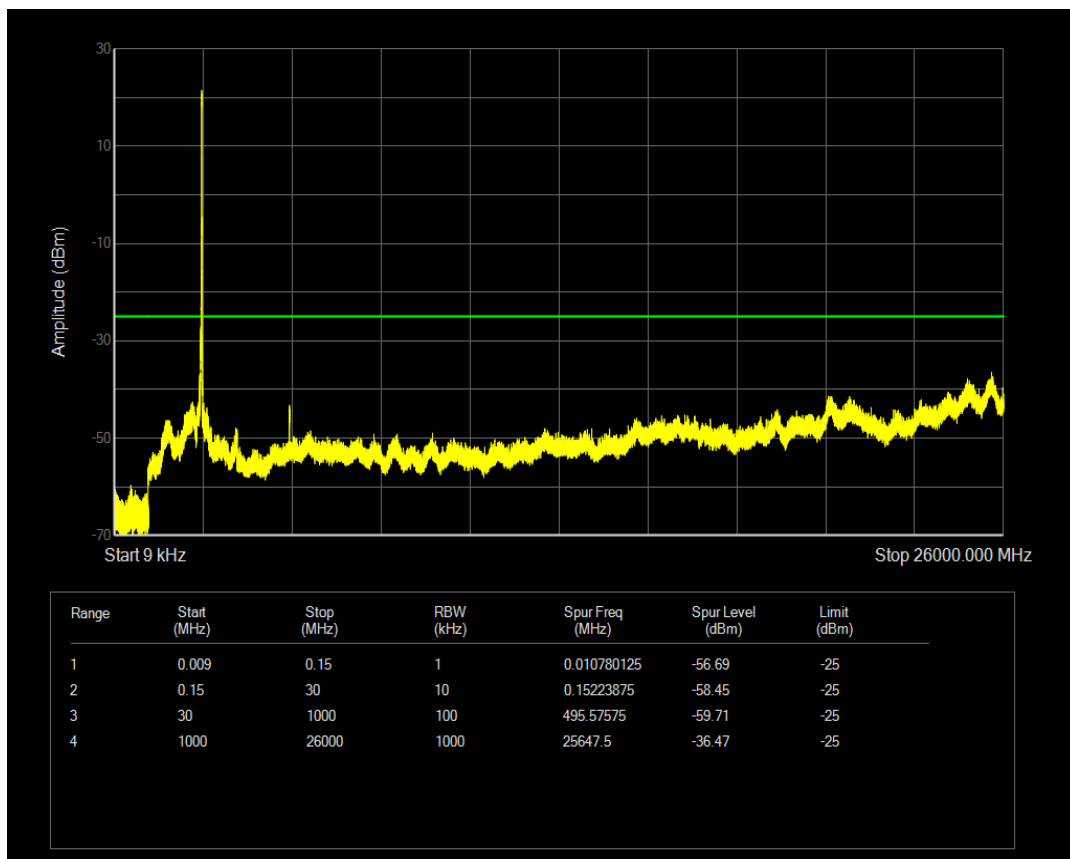


Band7 16QAM BW=10MHz Channel=21100 RB Size=50 Position=#0

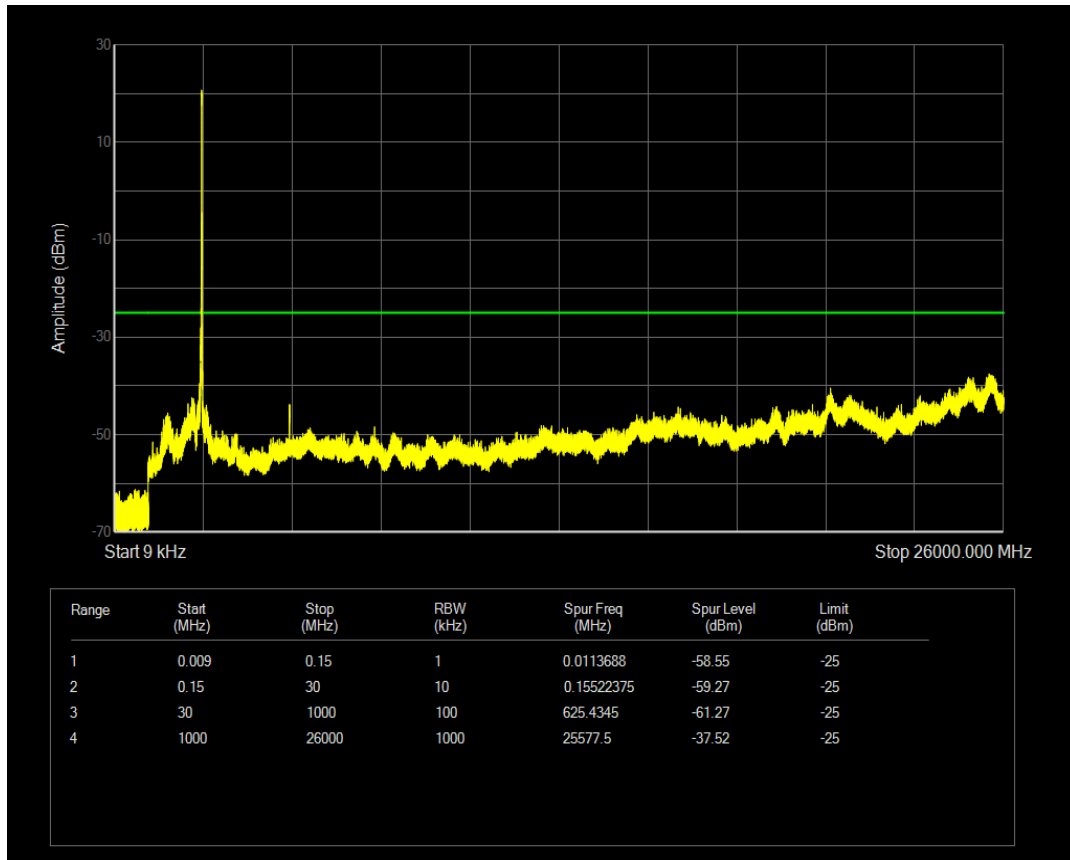




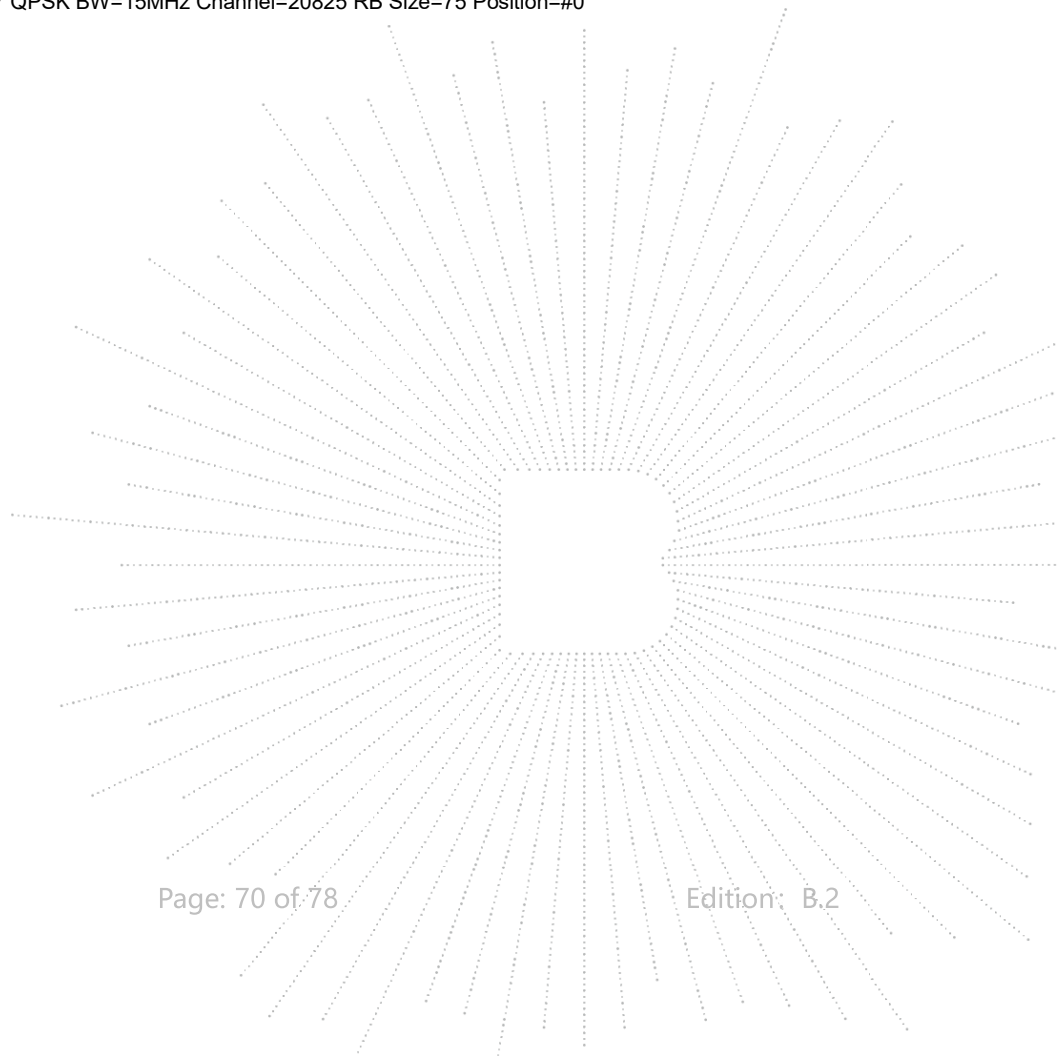
Band7 QPSK BW=10MHz Channel=21400 RB Size=50 Position=#0

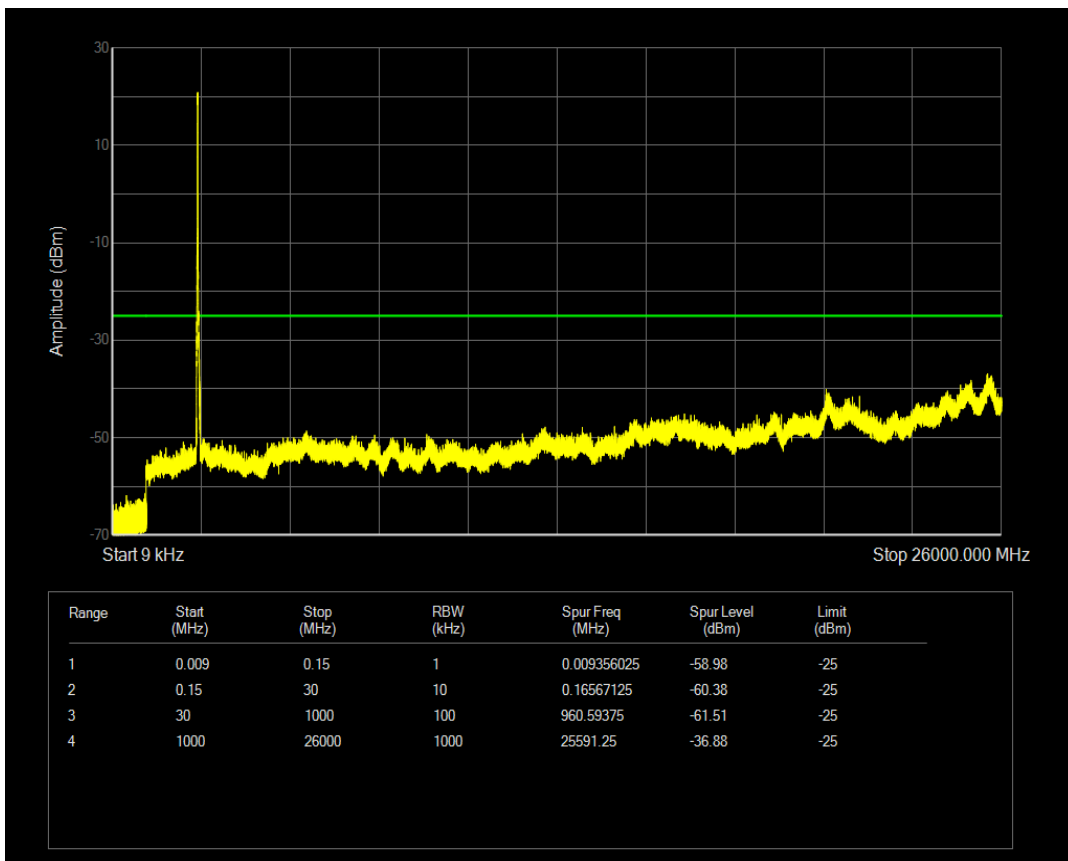


Band7 16QAM BW=10MHz Channel=21400 RB Size=50 Position=#0

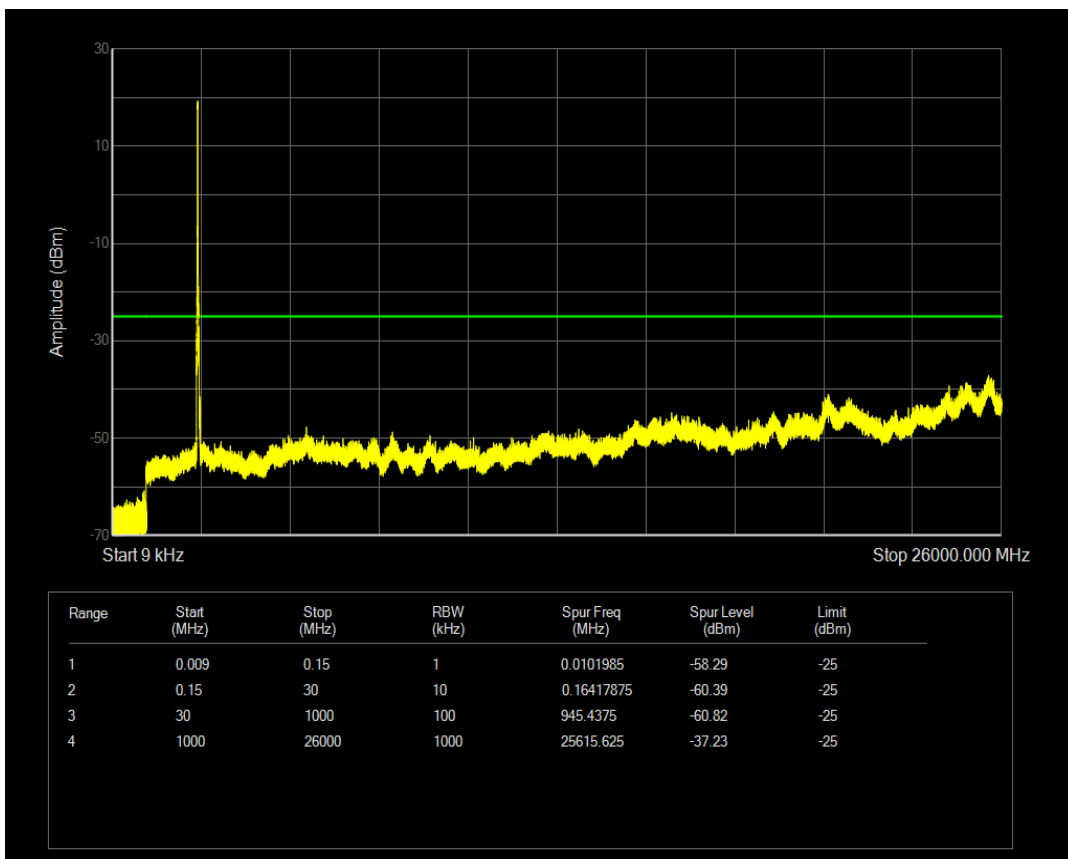


Band7 QPSK BW=15MHz Channel=20825 RB Size=75 Position=#0

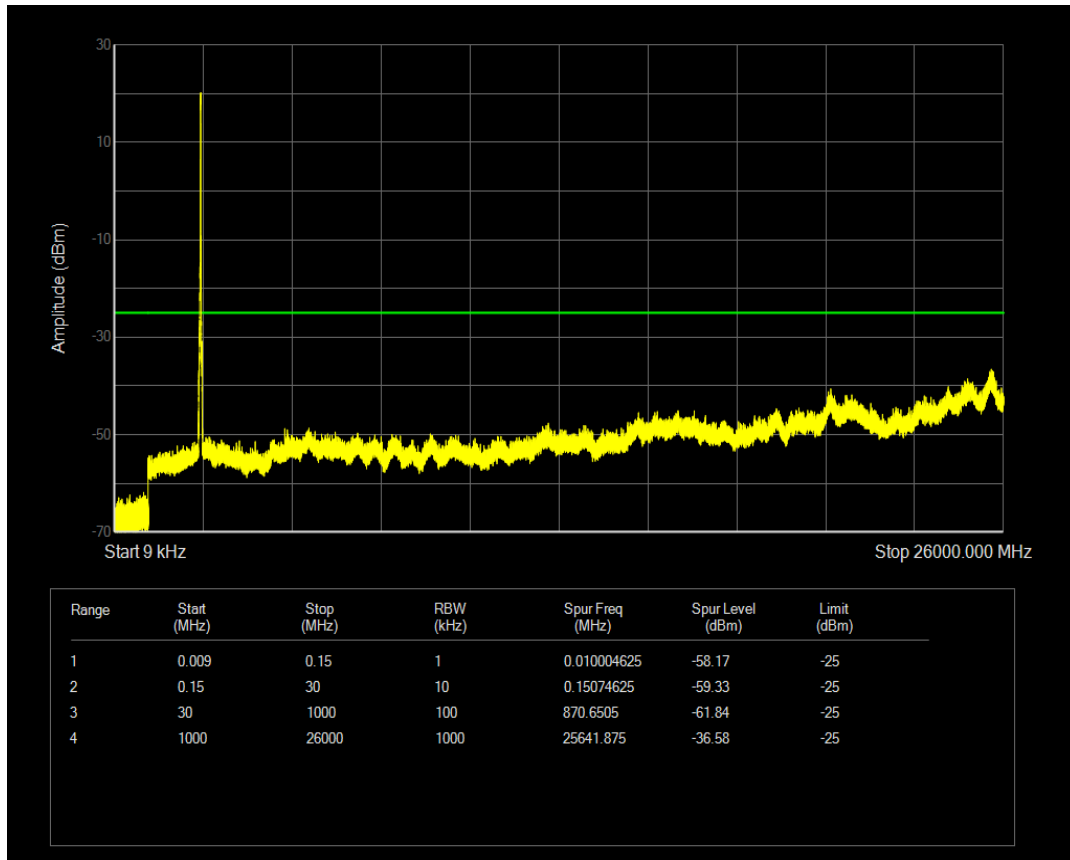




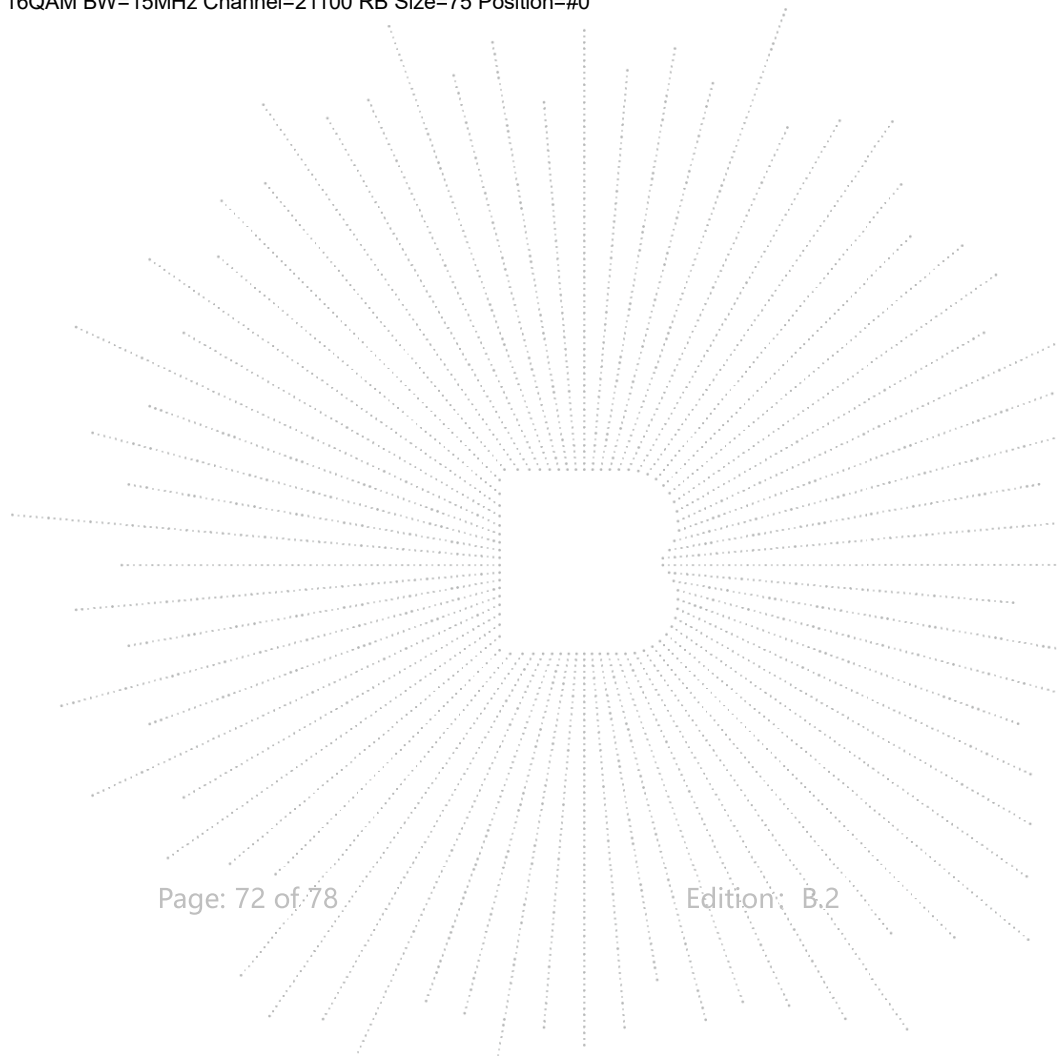
Band7 16QAM BW=15MHz Channel=20825 RB Size=75 Position=#0

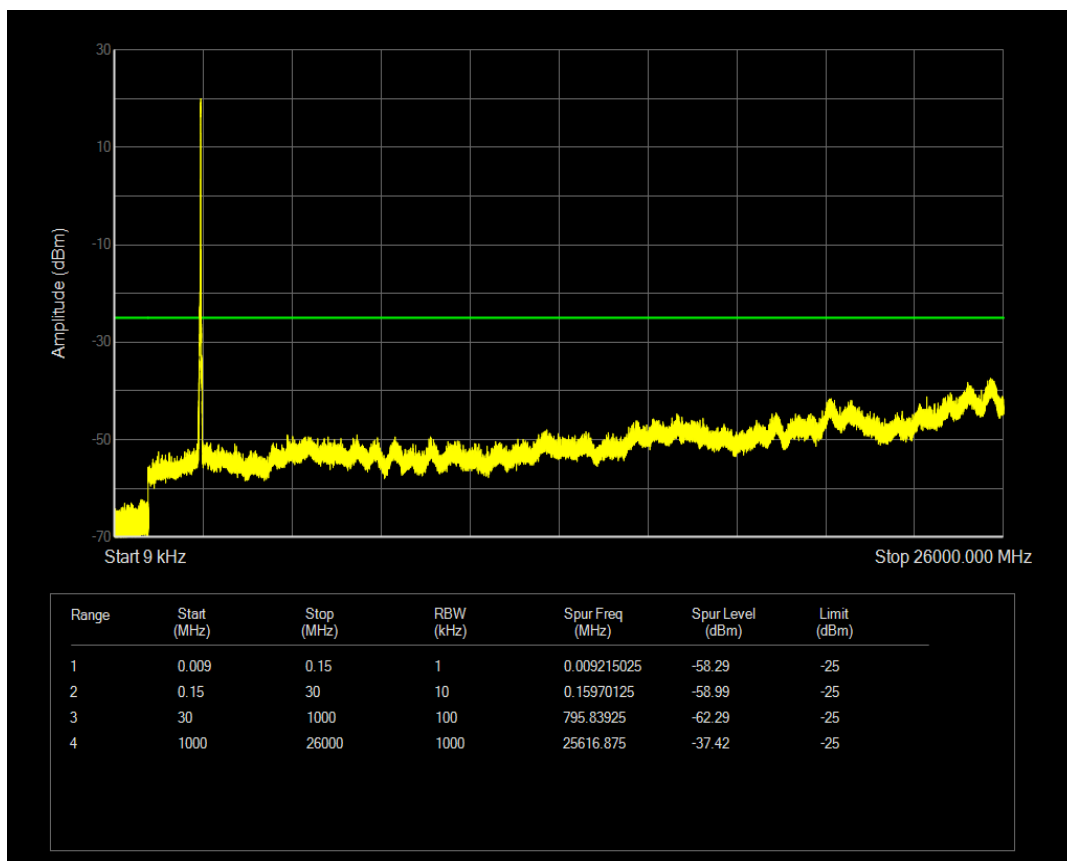


Band7 QPSK BW=15MHz Channel=21100 RB Size=75 Position=#0

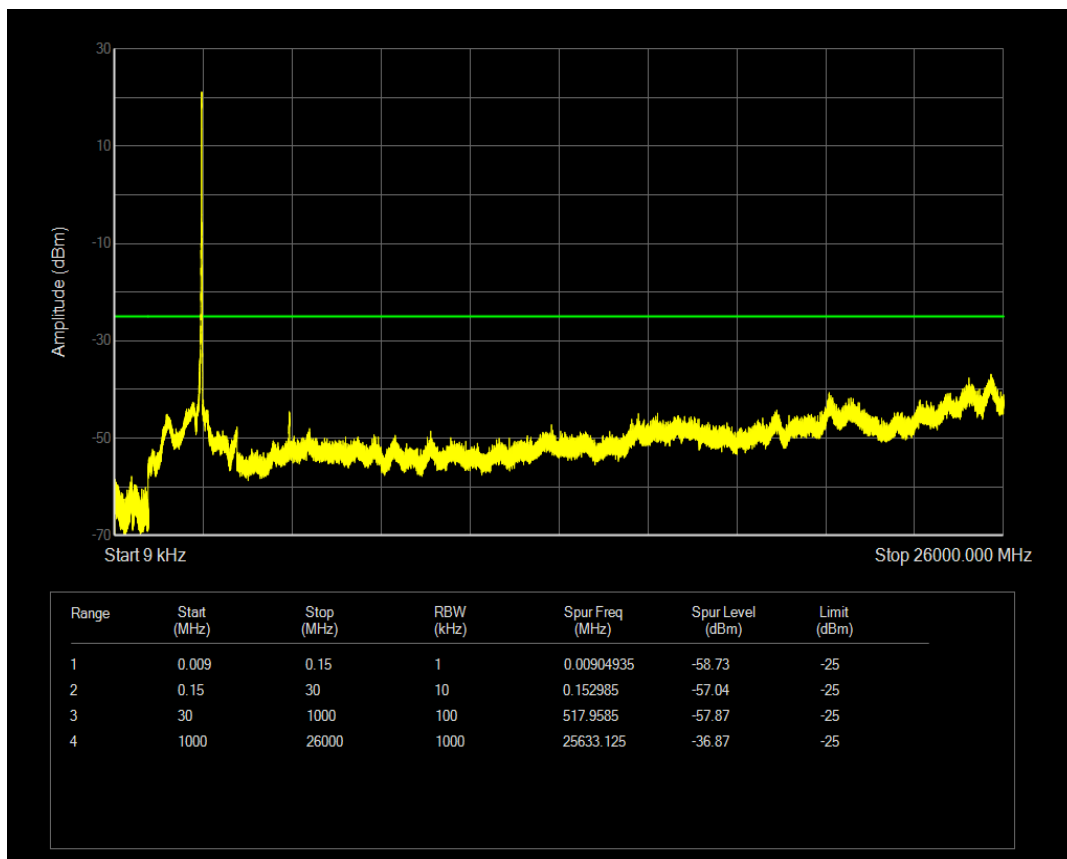


Band7 16QAM BW=15MHz Channel=21100 RB Size=75 Position=#0

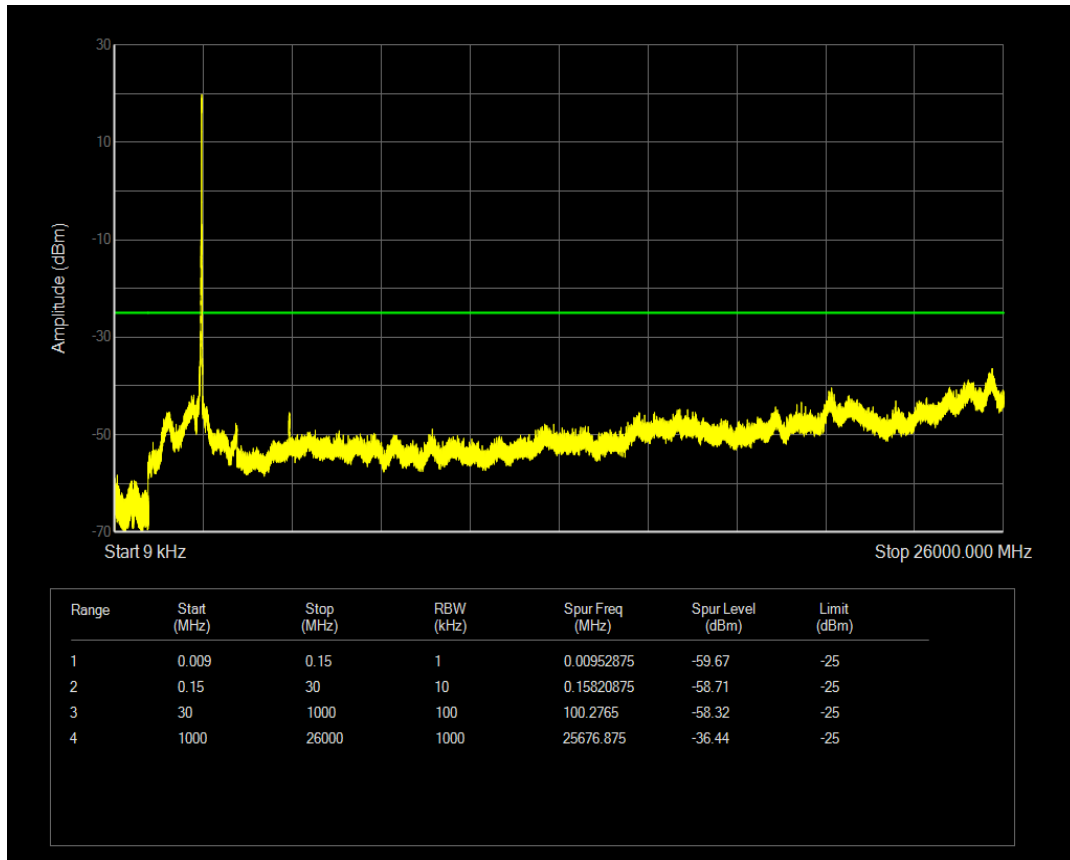




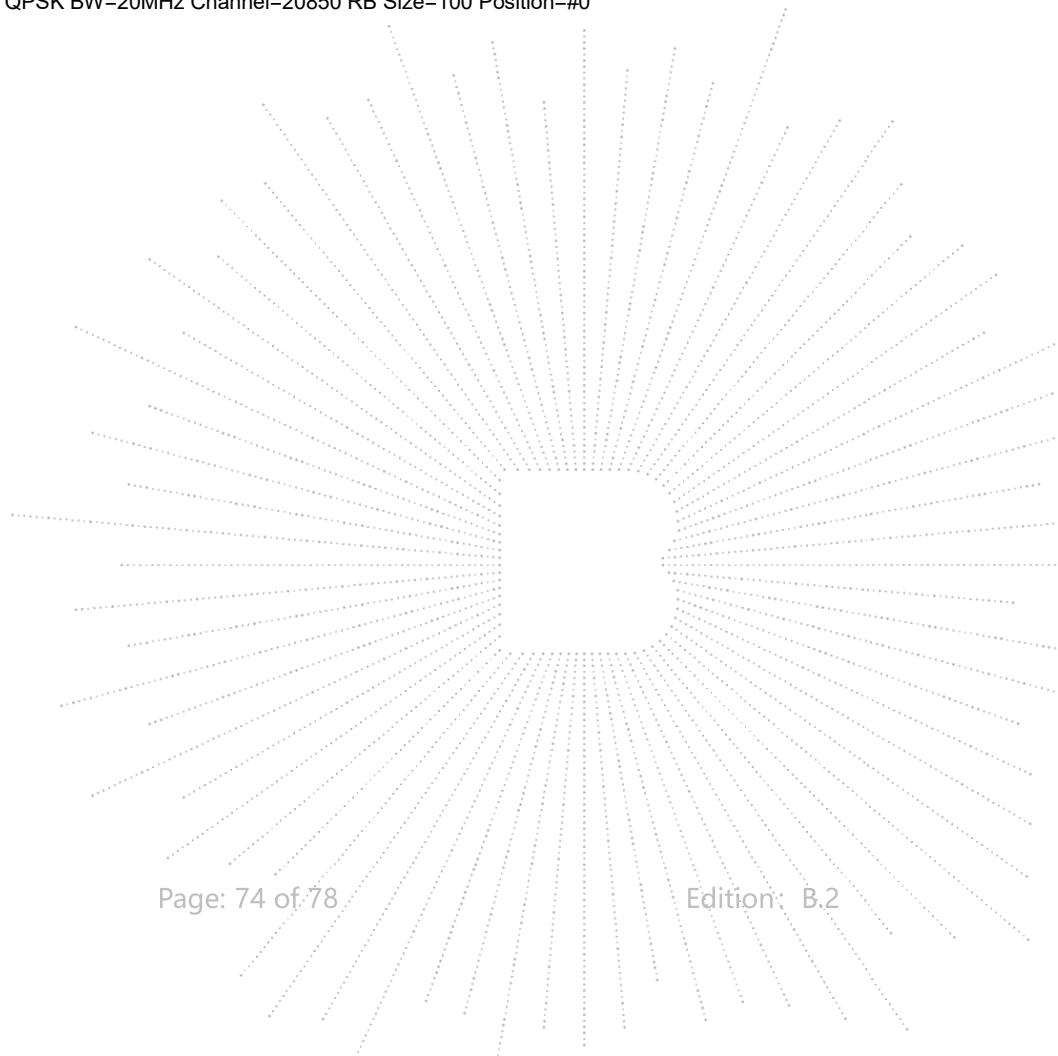
Band7 QPSK BW=15MHz Channel=21375 RB Size=75 Position=#0

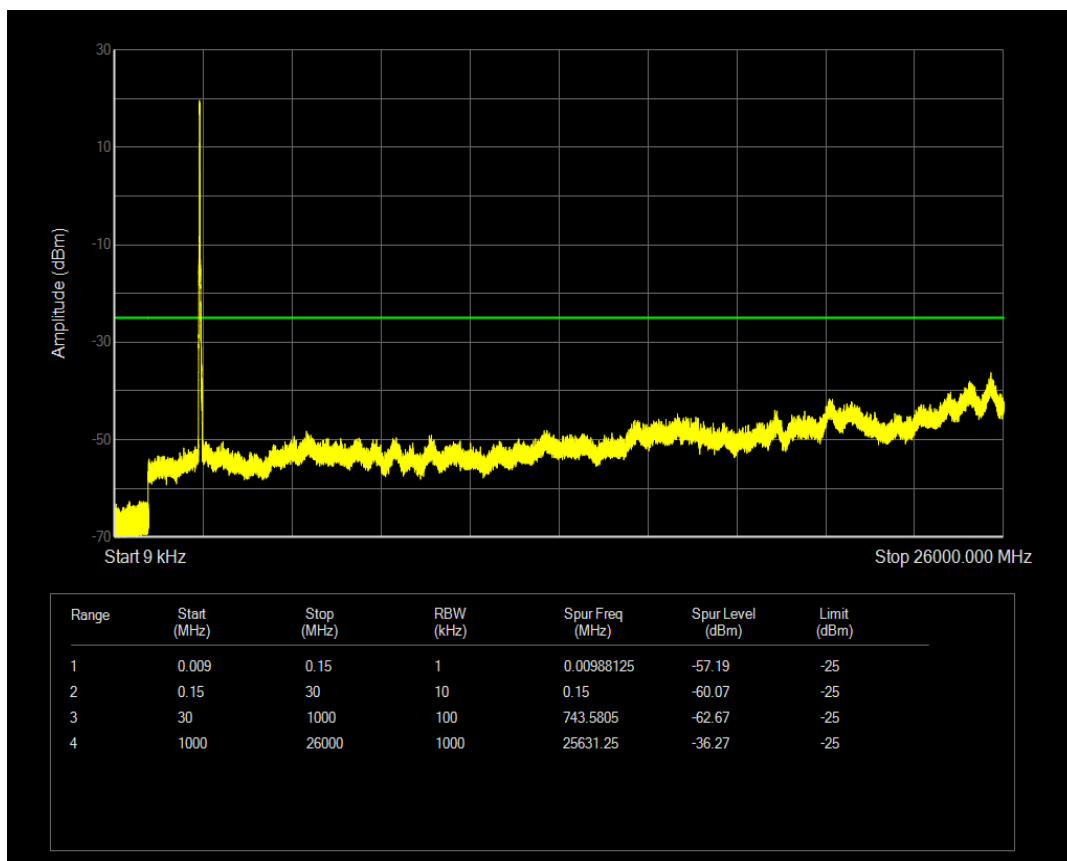


Band7 16QAM BW=15MHz Channel=21375 RB Size=75 Position=#0

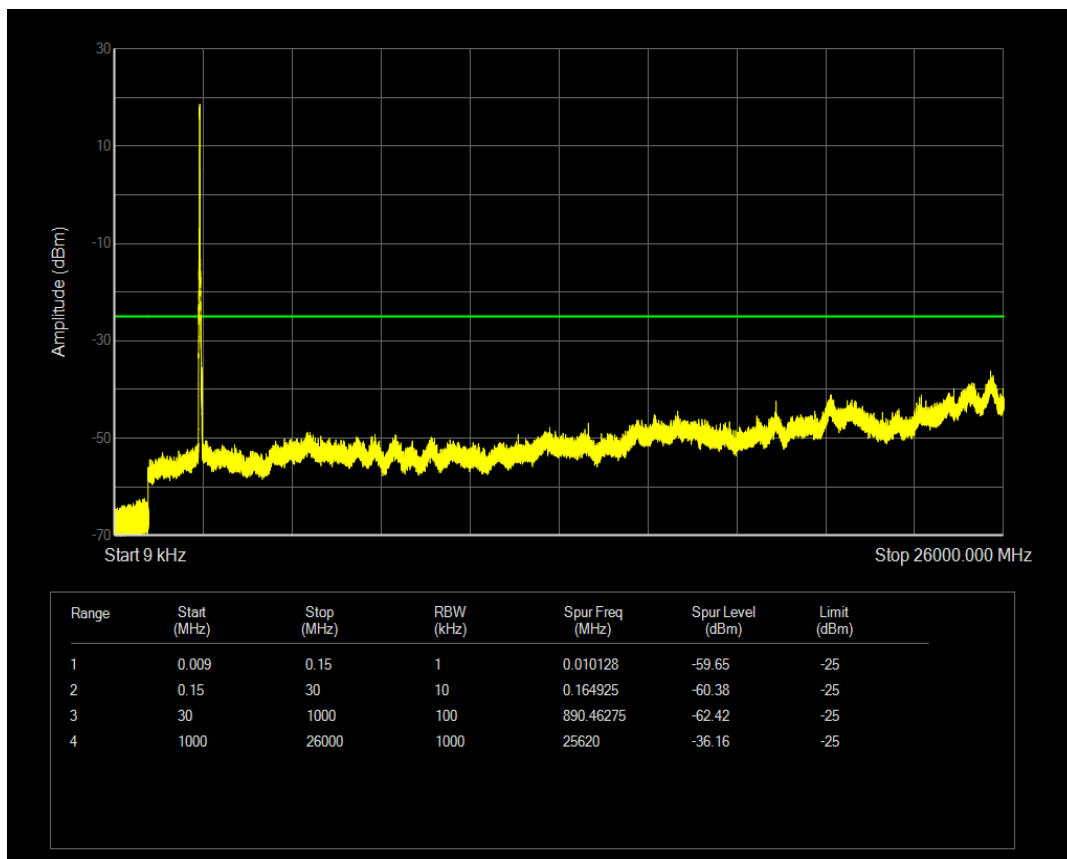


Band7 QPSK BW=20MHz Channel=20850 RB Size=100 Position=#0

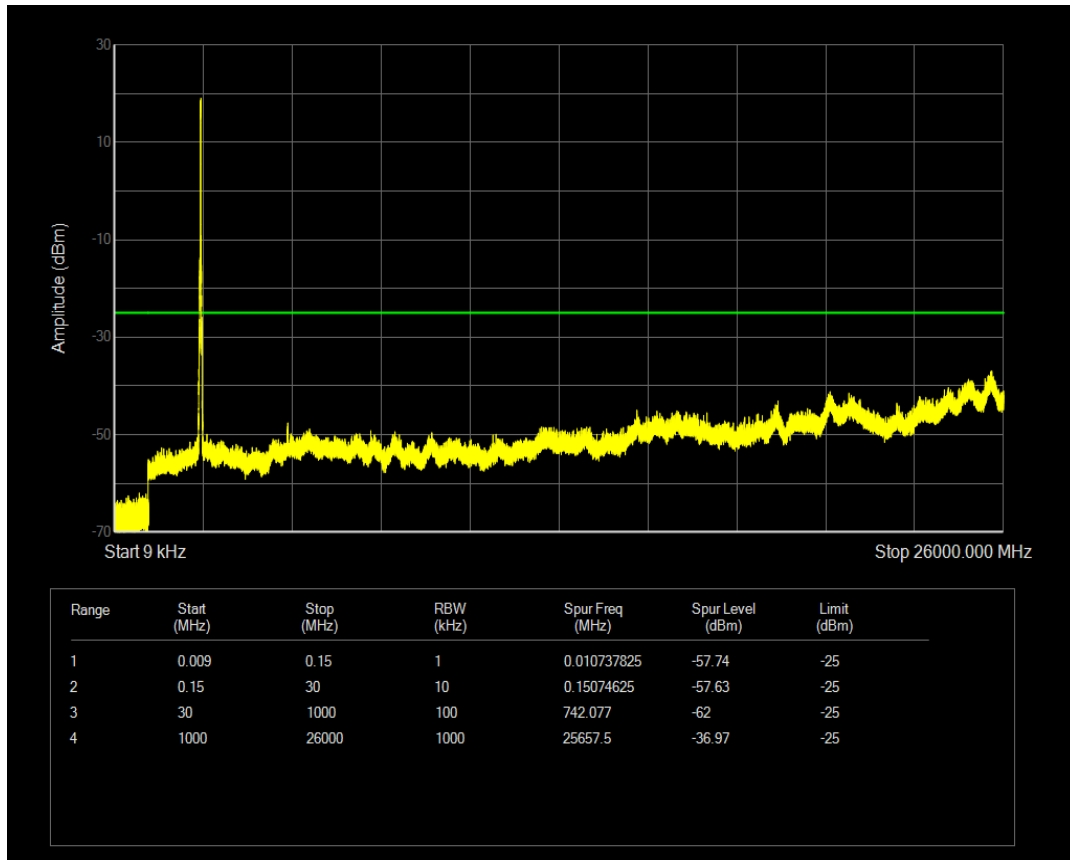




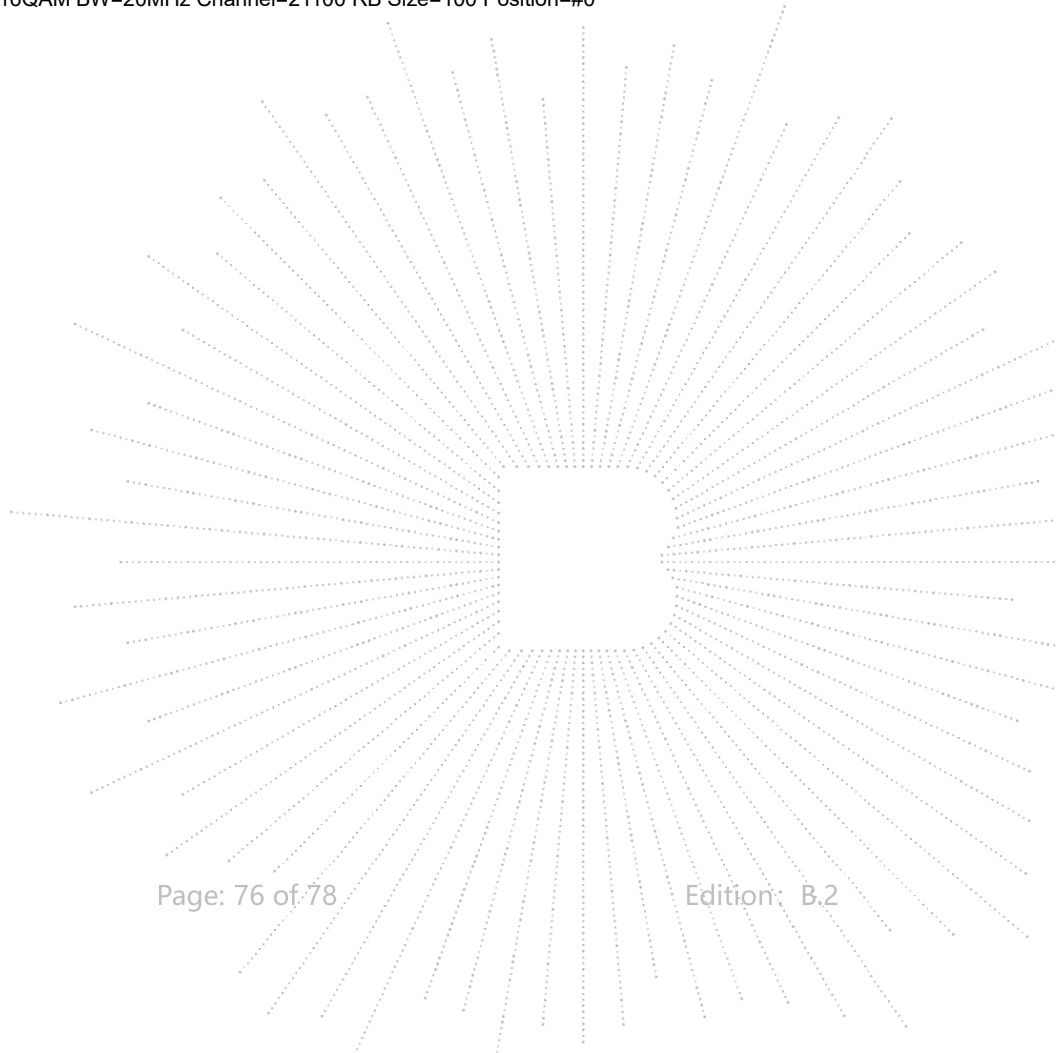
Band7 16QAM BW=20MHz Channel=20850 RB Size=100 Position=#0

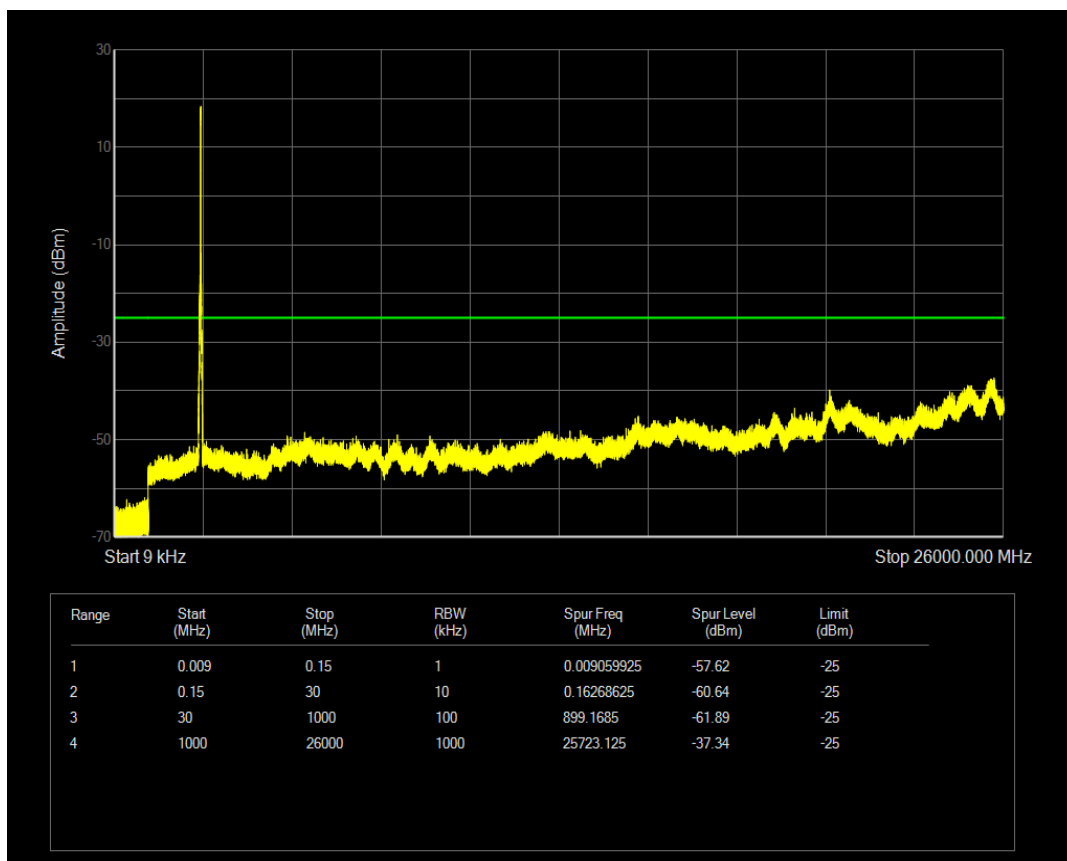


Band7 QPSK BW=20MHz Channel=21100 RB Size=100 Position=#0

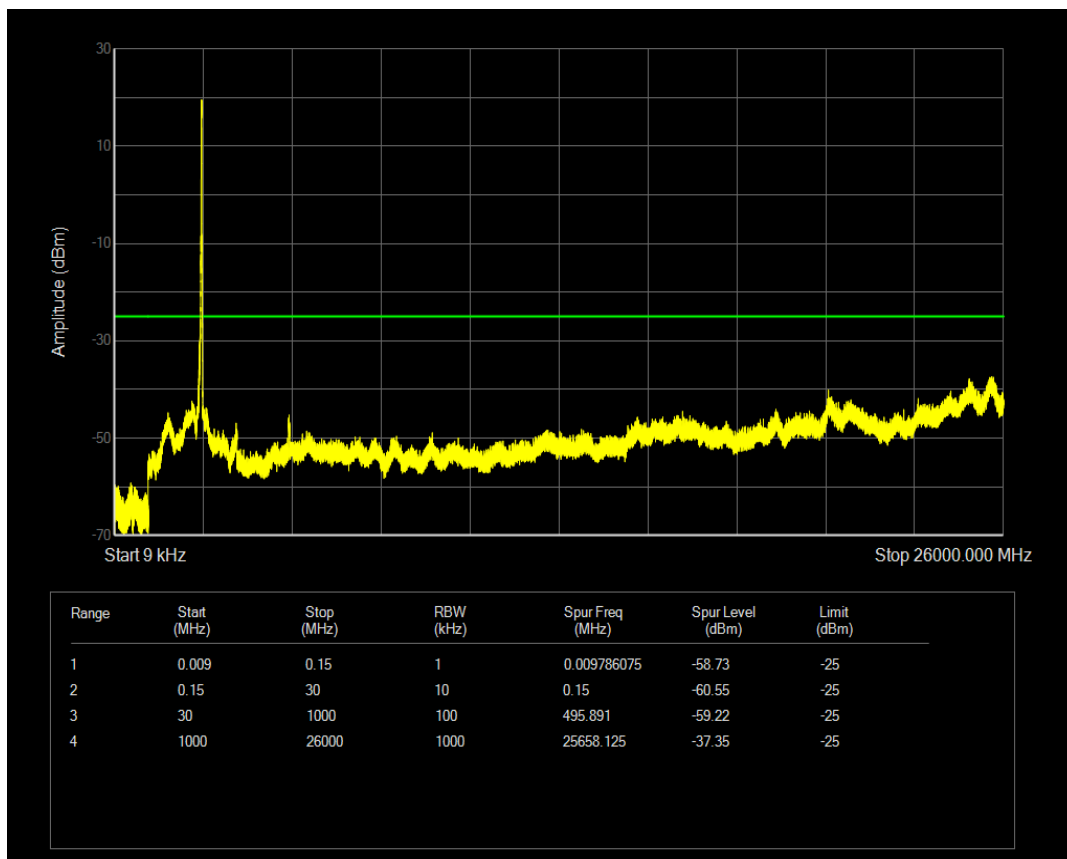


Band7 16QAM BW=20MHz Channel=21100 RB Size=100 Position=#0



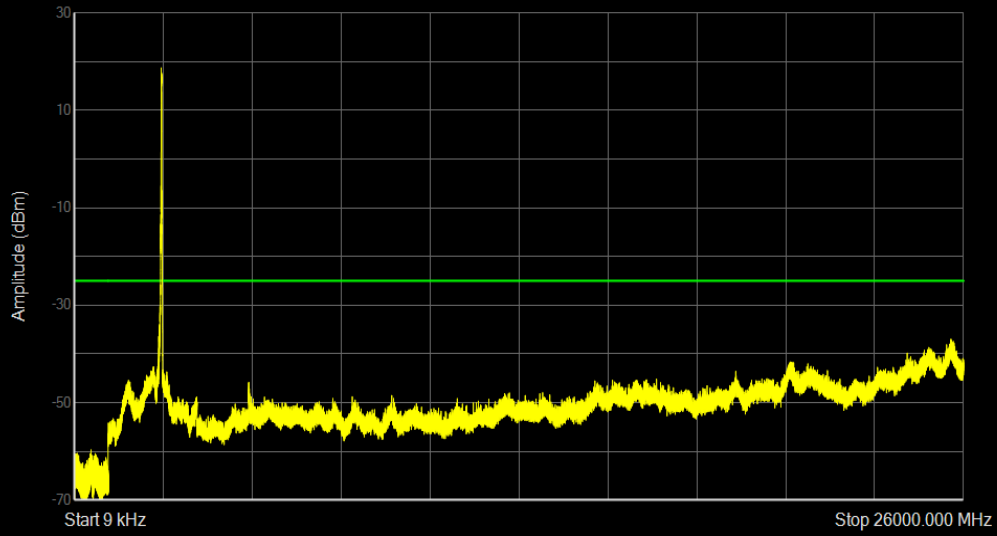


Band7 QPSK BW=20MHz Channel=21350 RB Size=100 Position=#0





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



| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.009           | -58.02           | -25         |
| 2     | 0.15        | 30         | 10        | 0.16716375      | -60.84           | -25         |
| 3     | 30          | 1000       | 100       | 503.2145        | -59.72           | -25         |
| 4     | 1000        | 26000      | 1000      | 25619.375       | -37.02           | -25         |