

# Appendix for Band 66

Report No.: BCTC2408767493-2E

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Applicant: Shenzhen Minew Technologies Co., Ltd.

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Product Name: Tiny LTE Cellular Gateway

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Test Model: MG8

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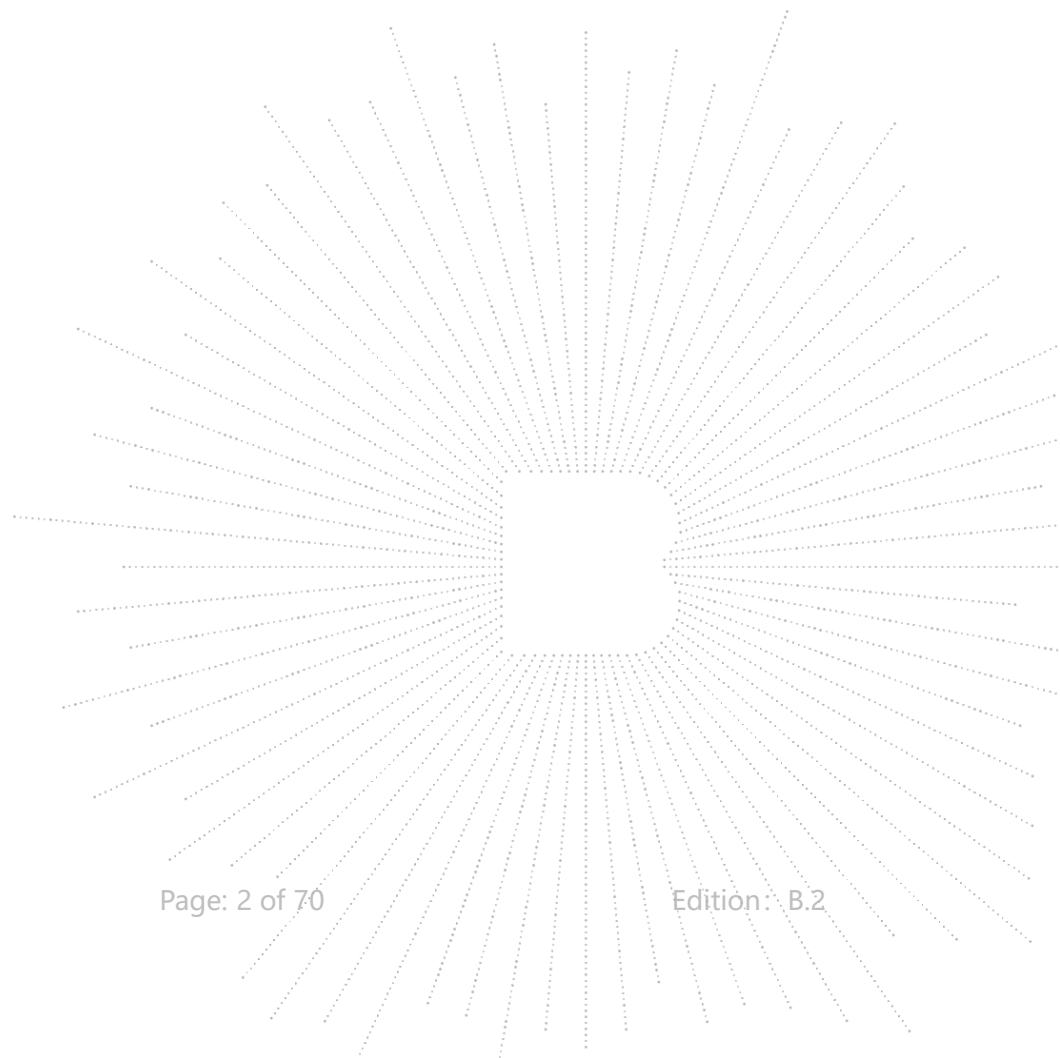
Tested Date: 2024-08-02 to 2024-08-28

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

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

### Measurement

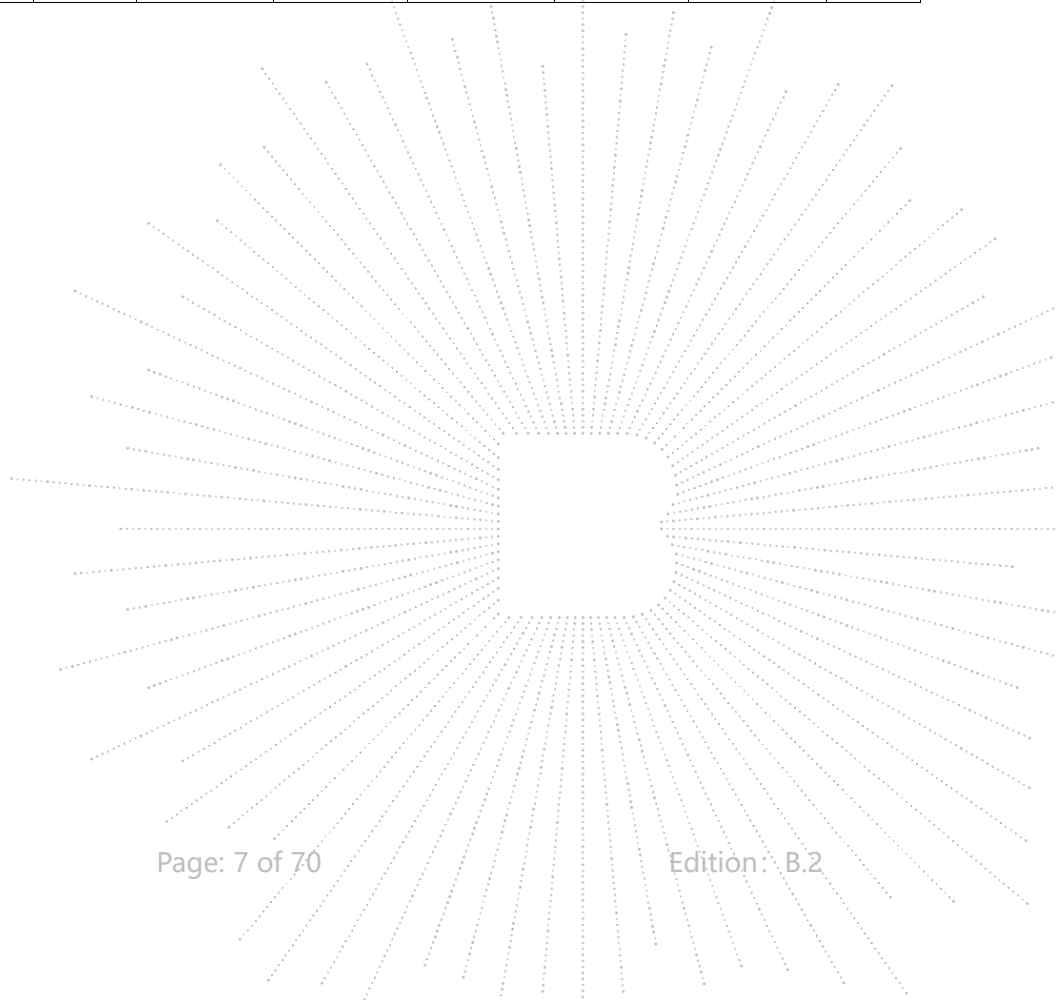
| Band   | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Size | RB<br>Position | Modulation | Power<br>(dBm) | Gain<br>(dBm) | EIRP<br>(dBm) | Verdict |
|--------|--------------------|---------------|------------|----------------|------------|----------------|---------------|---------------|---------|
| Band66 | 1.4                | 131979        | 1          | #0             | QPSK       | 22.66          | 3.26          | 25.92         | PASS    |
| Band66 | 1.4                | 131979        | 1          | #Mid           | QPSK       | 22.70          | 3.26          | 25.96         | PASS    |
| Band66 | 1.4                | 131979        | 1          | #Max           | QPSK       | 22.75          | 3.26          | 26.01         | PASS    |
| Band66 | 1.4                | 131979        | 3          | #0             | QPSK       | 22.58          | 3.26          | 25.84         | PASS    |
| Band66 | 1.4                | 131979        | 3          | #Mid           | QPSK       | 22.58          | 3.26          | 25.84         | PASS    |
| Band66 | 1.4                | 131979        | 3          | #Max           | QPSK       | 22.56          | 3.26          | 25.82         | PASS    |
| Band66 | 1.4                | 131979        | 6          | #0             | QPSK       | 21.76          | 3.26          | 25.02         | PASS    |
| Band66 | 1.4                | 131979        | 1          | #0             | 16QAM      | 21.81          | 3.26          | 25.07         | PASS    |
| Band66 | 1.4                | 131979        | 1          | #Mid           | 16QAM      | 21.90          | 3.26          | 25.16         | PASS    |
| Band66 | 1.4                | 131979        | 1          | #Max           | 16QAM      | 21.89          | 3.26          | 25.15         | PASS    |
| Band66 | 1.4                | 131979        | 3          | #0             | 16QAM      | 21.70          | 3.26          | 24.96         | PASS    |
| Band66 | 1.4                | 131979        | 3          | #Mid           | 16QAM      | 21.71          | 3.26          | 24.97         | PASS    |
| Band66 | 1.4                | 131979        | 3          | #Max           | 16QAM      | 21.72          | 3.26          | 24.98         | PASS    |
| Band66 | 1.4                | 131979        | 6          | #0             | 16QAM      | 20.76          | 3.26          | 24.02         | PASS    |
| Band66 | 1.4                | 132322        | 1          | #0             | QPSK       | 22.13          | 3.26          | 25.39         | PASS    |
| Band66 | 1.4                | 132322        | 1          | #Mid           | QPSK       | 22.10          | 3.26          | 25.36         | PASS    |
| Band66 | 1.4                | 132322        | 1          | #Max           | QPSK       | 22.11          | 3.26          | 25.37         | PASS    |
| Band66 | 1.4                | 132322        | 3          | #0             | QPSK       | 22.11          | 3.26          | 25.37         | PASS    |
| Band66 | 1.4                | 132322        | 3          | #Mid           | QPSK       | 22.08          | 3.26          | 25.34         | PASS    |
| Band66 | 1.4                | 132322        | 3          | #Max           | QPSK       | 22.03          | 3.26          | 25.29         | PASS    |
| Band66 | 1.4                | 132322        | 6          | #0             | QPSK       | 21.01          | 3.26          | 24.27         | PASS    |
| Band66 | 1.4                | 132322        | 1          | #0             | 16QAM      | 21.17          | 3.26          | 24.43         | PASS    |
| Band66 | 1.4                | 132322        | 1          | #Mid           | 16QAM      | 21.17          | 3.26          | 24.43         | PASS    |
| Band66 | 1.4                | 132322        | 1          | #Max           | 16QAM      | 21.16          | 3.26          | 24.42         | PASS    |
| Band66 | 1.4                | 132322        | 3          | #0             | 16QAM      | 20.96          | 3.26          | 24.22         | PASS    |
| Band66 | 1.4                | 132322        | 3          | #Mid           | 16QAM      | 20.96          | 3.26          | 24.22         | PASS    |
| Band66 | 1.4                | 132322        | 3          | #Max           | 16QAM      | 20.92          | 3.26          | 24.18         | PASS    |
| Band66 | 1.4                | 132322        | 6          | #0             | 16QAM      | 20.45          | 3.26          | 23.71         | PASS    |
| Band66 | 1.4                | 132665        | 1          | #0             | QPSK       | 22.02          | 3.26          | 25.28         | PASS    |
| Band66 | 1.4                | 132665        | 1          | #Mid           | QPSK       | 22.00          | 3.26          | 25.26         | PASS    |
| Band66 | 1.4                | 132665        | 1          | #Max           | QPSK       | 21.99          | 3.26          | 25.25         | PASS    |
| Band66 | 1.4                | 132665        | 3          | #0             | QPSK       | 22.09          | 3.26          | 25.35         | PASS    |
| Band66 | 1.4                | 132665        | 3          | #Mid           | QPSK       | 22.06          | 3.26          | 25.32         | PASS    |
| Band66 | 1.4                | 132665        | 3          | #Max           | QPSK       | 22.04          | 3.26          | 25.30         | PASS    |
| Band66 | 1.4                | 132665        | 6          | #0             | QPSK       | 21.02          | 3.26          | 24.28         | PASS    |
| Band66 | 1.4                | 132665        | 1          | #0             | 16QAM      | 20.96          | 3.26          | 24.22         | PASS    |

|        |     |        |    |      |       |       |      |       |      |
|--------|-----|--------|----|------|-------|-------|------|-------|------|
| Band66 | 1.4 | 132665 | 1  | #Mid | 16QAM | 20.97 | 3.26 | 24.23 | PASS |
| Band66 | 1.4 | 132665 | 1  | #Max | 16QAM | 21.03 | 3.26 | 24.29 | PASS |
| Band66 | 1.4 | 132665 | 3  | #0   | 16QAM | 21.38 | 3.26 | 24.64 | PASS |
| Band66 | 1.4 | 132665 | 3  | #Mid | 16QAM | 21.38 | 3.26 | 24.64 | PASS |
| Band66 | 1.4 | 132665 | 3  | #Max | 16QAM | 21.38 | 3.26 | 24.64 | PASS |
| Band66 | 1.4 | 132665 | 6  | #0   | 16QAM | 20.21 | 3.26 | 23.47 | PASS |
| Band66 | 3   | 131987 | 1  | #0   | QPSK  | 22.20 | 3.26 | 25.46 | PASS |
| Band66 | 3   | 131987 | 1  | #Mid | QPSK  | 22.41 | 3.26 | 25.67 | PASS |
| Band66 | 3   | 131987 | 1  | #Max | QPSK  | 22.33 | 3.26 | 25.59 | PASS |
| Band66 | 3   | 131987 | 8  | #0   | QPSK  | 21.35 | 3.26 | 24.61 | PASS |
| Band66 | 3   | 131987 | 8  | #Mid | QPSK  | 21.45 | 3.26 | 24.71 | PASS |
| Band66 | 3   | 131987 | 8  | #Max | QPSK  | 21.48 | 3.26 | 24.74 | PASS |
| Band66 | 3   | 131987 | 15 | #0   | QPSK  | 21.38 | 3.26 | 24.64 | PASS |
| Band66 | 3   | 131987 | 1  | #0   | 16QAM | 21.64 | 3.26 | 24.90 | PASS |
| Band66 | 3   | 131987 | 1  | #Mid | 16QAM | 21.90 | 3.26 | 25.16 | PASS |
| Band66 | 3   | 131987 | 1  | #Max | 16QAM | 21.82 | 3.26 | 25.08 | PASS |
| Band66 | 3   | 131987 | 8  | #0   | 16QAM | 20.39 | 3.26 | 23.65 | PASS |
| Band66 | 3   | 131987 | 8  | #Mid | 16QAM | 20.47 | 3.26 | 23.73 | PASS |
| Band66 | 3   | 131987 | 8  | #Max | 16QAM | 20.50 | 3.26 | 23.76 | PASS |
| Band66 | 3   | 131987 | 15 | #0   | 16QAM | 20.39 | 3.26 | 23.65 | PASS |
| Band66 | 3   | 132322 | 1  | #0   | QPSK  | 21.49 | 3.26 | 24.75 | PASS |
| Band66 | 3   | 132322 | 1  | #Mid | QPSK  | 21.62 | 3.26 | 24.88 | PASS |
| Band66 | 3   | 132322 | 1  | #Max | QPSK  | 21.59 | 3.26 | 24.85 | PASS |
| Band66 | 3   | 132322 | 8  | #0   | QPSK  | 20.76 | 3.26 | 24.02 | PASS |
| Band66 | 3   | 132322 | 8  | #Mid | QPSK  | 20.78 | 3.26 | 24.04 | PASS |
| Band66 | 3   | 132322 | 8  | #Max | QPSK  | 20.78 | 3.26 | 24.04 | PASS |
| Band66 | 3   | 132322 | 15 | #0   | QPSK  | 20.71 | 3.26 | 23.97 | PASS |
| Band66 | 3   | 132322 | 1  | #0   | 16QAM | 20.61 | 3.26 | 23.87 | PASS |
| Band66 | 3   | 132322 | 1  | #Mid | 16QAM | 20.76 | 3.26 | 24.02 | PASS |
| Band66 | 3   | 132322 | 1  | #Max | 16QAM | 20.62 | 3.26 | 23.88 | PASS |
| Band66 | 3   | 132322 | 8  | #0   | 16QAM | 19.91 | 3.26 | 23.17 | PASS |
| Band66 | 3   | 132322 | 8  | #Mid | 16QAM | 19.96 | 3.26 | 23.22 | PASS |
| Band66 | 3   | 132322 | 8  | #Max | 16QAM | 19.92 | 3.26 | 23.18 | PASS |
| Band66 | 3   | 132322 | 15 | #0   | 16QAM | 19.71 | 3.26 | 22.97 | PASS |
| Band66 | 3   | 132657 | 1  | #0   | QPSK  | 21.66 | 3.26 | 24.92 | PASS |
| Band66 | 3   | 132657 | 1  | #Mid | QPSK  | 21.84 | 3.26 | 25.10 | PASS |
| Band66 | 3   | 132657 | 1  | #Max | QPSK  | 21.79 | 3.26 | 25.05 | PASS |
| Band66 | 3   | 132657 | 8  | #0   | QPSK  | 20.72 | 3.26 | 23.98 | PASS |
| Band66 | 3   | 132657 | 8  | #Mid | QPSK  | 20.80 | 3.26 | 24.06 | PASS |
| Band66 | 3   | 132657 | 8  | #Max | QPSK  | 20.81 | 3.26 | 24.07 | PASS |
| Band66 | 3   | 132657 | 15 | #0   | QPSK  | 20.71 | 3.26 | 23.97 | PASS |
| Band66 | 3   | 132657 | 1  | #0   | 16QAM | 20.68 | 3.26 | 23.94 | PASS |
| Band66 | 3   | 132657 | 1  | #Mid | 16QAM | 20.87 | 3.26 | 24.13 | PASS |

|        |   |        |    |      |       |       |      |       |      |
|--------|---|--------|----|------|-------|-------|------|-------|------|
| Band66 | 3 | 132657 | 1  | #Max | 16QAM | 20.94 | 3.26 | 24.20 | PASS |
| Band66 | 3 | 132657 | 8  | #0   | 16QAM | 19.77 | 3.26 | 23.03 | PASS |
| Band66 | 3 | 132657 | 8  | #Mid | 16QAM | 19.84 | 3.26 | 23.10 | PASS |
| Band66 | 3 | 132657 | 8  | #Max | 16QAM | 19.87 | 3.26 | 23.13 | PASS |
| Band66 | 3 | 132657 | 15 | #0   | 16QAM | 19.82 | 3.26 | 23.08 | PASS |
| Band66 | 5 | 131997 | 1  | #0   | QPSK  | 22.23 | 3.26 | 25.49 | PASS |
| Band66 | 5 | 131997 | 1  | #Mid | QPSK  | 22.37 | 3.26 | 25.63 | PASS |
| Band66 | 5 | 131997 | 1  | #Max | QPSK  | 22.51 | 3.26 | 25.77 | PASS |
| Band66 | 5 | 131997 | 12 | #0   | QPSK  | 21.17 | 3.26 | 24.43 | PASS |
| Band66 | 5 | 131997 | 12 | #Mid | QPSK  | 21.23 | 3.26 | 24.49 | PASS |
| Band66 | 5 | 131997 | 12 | #Max | QPSK  | 21.32 | 3.26 | 24.58 | PASS |
| Band66 | 5 | 131997 | 25 | #0   | QPSK  | 21.34 | 3.26 | 24.60 | PASS |
| Band66 | 5 | 131997 | 1  | #0   | 16QAM | 21.59 | 3.26 | 24.85 | PASS |
| Band66 | 5 | 131997 | 1  | #Mid | 16QAM | 21.79 | 3.26 | 25.05 | PASS |
| Band66 | 5 | 131997 | 1  | #Max | 16QAM | 21.96 | 3.26 | 25.22 | PASS |
| Band66 | 5 | 131997 | 12 | #0   | 16QAM | 20.37 | 3.26 | 23.63 | PASS |
| Band66 | 5 | 131997 | 12 | #Mid | 16QAM | 20.43 | 3.26 | 23.69 | PASS |
| Band66 | 5 | 131997 | 12 | #Max | 16QAM | 20.53 | 3.26 | 23.79 | PASS |
| Band66 | 5 | 131997 | 25 | #0   | 16QAM | 20.50 | 3.26 | 23.76 | PASS |
| Band66 | 5 | 132322 | 1  | #0   | QPSK  | 21.51 | 3.26 | 24.77 | PASS |
| Band66 | 5 | 132322 | 1  | #Mid | QPSK  | 21.52 | 3.26 | 24.78 | PASS |
| Band66 | 5 | 132322 | 1  | #Max | QPSK  | 21.62 | 3.26 | 24.88 | PASS |
| Band66 | 5 | 132322 | 12 | #0   | QPSK  | 20.56 | 3.26 | 23.82 | PASS |
| Band66 | 5 | 132322 | 12 | #Mid | QPSK  | 20.60 | 3.26 | 23.86 | PASS |
| Band66 | 5 | 132322 | 12 | #Max | QPSK  | 20.63 | 3.26 | 23.89 | PASS |
| Band66 | 5 | 132322 | 25 | #0   | QPSK  | 20.58 | 3.26 | 23.84 | PASS |
| Band66 | 5 | 132322 | 1  | #0   | 16QAM | 20.85 | 3.26 | 24.11 | PASS |
| Band66 | 5 | 132322 | 1  | #Mid | 16QAM | 20.96 | 3.26 | 24.22 | PASS |
| Band66 | 5 | 132322 | 1  | #Max | 16QAM | 21.09 | 3.26 | 24.35 | PASS |
| Band66 | 5 | 132322 | 12 | #0   | 16QAM | 19.68 | 3.26 | 22.94 | PASS |
| Band66 | 5 | 132322 | 12 | #Mid | 16QAM | 19.72 | 3.26 | 22.98 | PASS |
| Band66 | 5 | 132322 | 12 | #Max | 16QAM | 19.75 | 3.26 | 23.01 | PASS |
| Band66 | 5 | 132322 | 25 | #0   | 16QAM | 19.74 | 3.26 | 23.00 | PASS |
| Band66 | 5 | 132647 | 1  | #0   | QPSK  | 21.52 | 3.26 | 24.78 | PASS |
| Band66 | 5 | 132647 | 1  | #Mid | QPSK  | 21.44 | 3.26 | 24.70 | PASS |
| Band66 | 5 | 132647 | 1  | #Max | QPSK  | 21.62 | 3.26 | 24.88 | PASS |
| Band66 | 5 | 132647 | 12 | #0   | QPSK  | 20.76 | 3.26 | 24.02 | PASS |
| Band66 | 5 | 132647 | 12 | #Mid | QPSK  | 20.79 | 3.26 | 24.05 | PASS |
| Band66 | 5 | 132647 | 12 | #Max | QPSK  | 20.83 | 3.26 | 24.09 | PASS |
| Band66 | 5 | 132647 | 25 | #0   | QPSK  | 20.77 | 3.26 | 24.03 | PASS |
| Band66 | 5 | 132647 | 1  | #0   | 16QAM | 21.32 | 3.26 | 24.58 | PASS |
| Band66 | 5 | 132647 | 1  | #Mid | 16QAM | 21.29 | 3.26 | 24.55 | PASS |
| Band66 | 5 | 132647 | 1  | #Max | 16QAM | 21.49 | 3.26 | 24.75 | PASS |

|        |    |        |    |      |       |       |      |       |      |
|--------|----|--------|----|------|-------|-------|------|-------|------|
| Band66 | 5  | 132647 | 12 | #0   | 16QAM | 19.76 | 3.26 | 23.02 | PASS |
| Band66 | 5  | 132647 | 12 | #Mid | 16QAM | 19.80 | 3.26 | 23.06 | PASS |
| Band66 | 5  | 132647 | 12 | #Max | 16QAM | 19.86 | 3.26 | 23.12 | PASS |
| Band66 | 5  | 132647 | 25 | #0   | 16QAM | 19.91 | 3.26 | 23.17 | PASS |
| Band66 | 10 | 132022 | 1  | #0   | QPSK  | 22.34 | 3.26 | 25.60 | PASS |
| Band66 | 10 | 132022 | 1  | #Mid | QPSK  | 22.59 | 3.26 | 25.85 | PASS |
| Band66 | 10 | 132022 | 1  | #Max | QPSK  | 22.84 | 3.26 | 26.10 | PASS |
| Band66 | 10 | 132022 | 25 | #0   | QPSK  | 21.49 | 3.26 | 24.75 | PASS |
| Band66 | 10 | 132022 | 25 | #Mid | QPSK  | 21.62 | 3.26 | 24.88 | PASS |
| Band66 | 10 | 132022 | 25 | #Max | QPSK  | 21.71 | 3.26 | 24.97 | PASS |
| Band66 | 10 | 132022 | 50 | #0   | QPSK  | 21.57 | 3.26 | 24.83 | PASS |
| Band66 | 10 | 132322 | 1  | #0   | QPSK  | 21.48 | 3.26 | 24.74 | PASS |
| Band66 | 10 | 132322 | 1  | #Mid | QPSK  | 21.52 | 3.26 | 24.78 | PASS |
| Band66 | 10 | 132322 | 1  | #Max | QPSK  | 21.74 | 3.26 | 25.00 | PASS |
| Band66 | 10 | 132322 | 25 | #0   | QPSK  | 20.57 | 3.26 | 23.83 | PASS |
| Band66 | 10 | 132322 | 25 | #Mid | QPSK  | 20.58 | 3.26 | 23.84 | PASS |
| Band66 | 10 | 132322 | 25 | #Max | QPSK  | 20.70 | 3.26 | 23.96 | PASS |
| Band66 | 10 | 132322 | 50 | #0   | QPSK  | 20.58 | 3.26 | 23.84 | PASS |
| Band66 | 10 | 132622 | 1  | #0   | QPSK  | 22.13 | 3.26 | 25.39 | PASS |
| Band66 | 10 | 132622 | 1  | #Mid | QPSK  | 22.39 | 3.26 | 25.65 | PASS |
| Band66 | 10 | 132622 | 1  | #Max | QPSK  | 22.47 | 3.26 | 25.73 | PASS |
| Band66 | 10 | 132622 | 25 | #0   | QPSK  | 20.73 | 3.26 | 23.99 | PASS |
| Band66 | 10 | 132622 | 25 | #Mid | QPSK  | 20.62 | 3.26 | 23.88 | PASS |
| Band66 | 10 | 132622 | 25 | #Max | QPSK  | 20.59 | 3.26 | 23.85 | PASS |
| Band66 | 10 | 132622 | 50 | #0   | QPSK  | 20.63 | 3.26 | 23.89 | PASS |
| Band66 | 15 | 132047 | 1  | #0   | QPSK  | 22.37 | 3.26 | 25.63 | PASS |
| Band66 | 15 | 132047 | 1  | #Mid | QPSK  | 22.73 | 3.26 | 25.99 | PASS |
| Band66 | 15 | 132047 | 1  | #Max | QPSK  | 22.57 | 3.26 | 25.83 | PASS |
| Band66 | 15 | 132047 | 36 | #0   | QPSK  | 21.81 | 3.26 | 25.07 | PASS |
| Band66 | 15 | 132047 | 36 | #Mid | QPSK  | 21.92 | 3.26 | 25.18 | PASS |
| Band66 | 15 | 132047 | 36 | #Max | QPSK  | 21.94 | 3.26 | 25.20 | PASS |
| Band66 | 15 | 132047 | 75 | #0   | QPSK  | 22.71 | 3.26 | 25.97 | PASS |
| Band66 | 15 | 132322 | 1  | #0   | QPSK  | 21.88 | 3.26 | 25.14 | PASS |
| Band66 | 15 | 132322 | 1  | #Mid | QPSK  | 21.72 | 3.26 | 24.98 | PASS |
| Band66 | 15 | 132322 | 1  | #Max | QPSK  | 22.20 | 3.26 | 25.46 | PASS |
| Band66 | 15 | 132322 | 36 | #0   | QPSK  | 20.60 | 3.26 | 23.86 | PASS |
| Band66 | 15 | 132322 | 36 | #Mid | QPSK  | 20.64 | 3.26 | 23.90 | PASS |
| Band66 | 15 | 132322 | 36 | #Max | QPSK  | 20.94 | 3.26 | 24.20 | PASS |
| Band66 | 15 | 132322 | 75 | #0   | QPSK  | 21.97 | 3.26 | 25.23 | PASS |
| Band66 | 15 | 132597 | 1  | #0   | QPSK  | 22.78 | 3.26 | 26.04 | PASS |
| Band66 | 15 | 132597 | 1  | #Mid | QPSK  | 22.02 | 3.26 | 25.28 | PASS |
| Band66 | 15 | 132597 | 1  | #Max | QPSK  | 21.87 | 3.26 | 25.13 | PASS |
| Band66 | 15 | 132597 | 36 | #0   | QPSK  | 21.22 | 3.26 | 24.48 | PASS |

|        |    |        |     |      |      |       |      |       |      |
|--------|----|--------|-----|------|------|-------|------|-------|------|
| Band66 | 15 | 132597 | 36  | #Mid | QPSK | 20.85 | 3.26 | 24.11 | PASS |
| Band66 | 15 | 132597 | 36  | #Max | QPSK | 20.59 | 3.26 | 23.85 | PASS |
| Band66 | 15 | 132597 | 75  | #0   | QPSK | 22.16 | 3.26 | 25.42 | PASS |
| Band66 | 20 | 132072 | 1   | #0   | QPSK | 23.32 | 3.26 | 26.58 | PASS |
| Band66 | 20 | 132072 | 1   | #Mid | QPSK | 23.75 | 3.26 | 27.01 | PASS |
| Band66 | 20 | 132072 | 1   | #Max | QPSK | 23.33 | 3.26 | 26.59 | PASS |
| Band66 | 20 | 132072 | 50  | #0   | QPSK | 22.53 | 3.26 | 25.79 | PASS |
| Band66 | 20 | 132072 | 50  | #Mid | QPSK | 22.54 | 3.26 | 25.80 | PASS |
| Band66 | 20 | 132072 | 50  | #Max | QPSK | 22.44 | 3.26 | 25.70 | PASS |
| Band66 | 20 | 132072 | 100 | #0   | QPSK | 23.30 | 3.26 | 26.56 | PASS |
| Band66 | 20 | 132322 | 1   | #0   | QPSK | 22.65 | 3.26 | 25.91 | PASS |
| Band66 | 20 | 132322 | 1   | #Mid | QPSK | 22.51 | 3.26 | 25.77 | PASS |
| Band66 | 20 | 132322 | 1   | #Max | QPSK | 22.95 | 3.26 | 26.21 | PASS |
| Band66 | 20 | 132322 | 50  | #0   | QPSK | 21.31 | 3.26 | 24.57 | PASS |
| Band66 | 20 | 132322 | 50  | #Mid | QPSK | 21.28 | 3.26 | 24.54 | PASS |
| Band66 | 20 | 132322 | 50  | #Max | QPSK | 21.63 | 3.26 | 24.89 | PASS |
| Band66 | 20 | 132322 | 100 | #0   | QPSK | 22.67 | 3.26 | 25.93 | PASS |
| Band66 | 20 | 132572 | 1   | #0   | QPSK | 23.34 | 3.26 | 26.60 | PASS |
| Band66 | 20 | 132572 | 1   | #Mid | QPSK | 22.79 | 3.26 | 26.05 | PASS |
| Band66 | 20 | 132572 | 1   | #Max | QPSK | 22.37 | 3.26 | 25.63 | PASS |
| Band66 | 20 | 132572 | 50  | #0   | QPSK | 22.32 | 3.26 | 25.58 | PASS |
| Band66 | 20 | 132572 | 50  | #Mid | QPSK | 21.98 | 3.26 | 25.24 | PASS |
| Band66 | 20 | 132572 | 50  | #Max | QPSK | 21.56 | 3.26 | 24.82 | PASS |
| Band66 | 20 | 132572 | 100 | #0   | QPSK | 22.64 | 3.26 | 25.90 | 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 |
|--------|--------------------|---------------|------------|----------------|------------|------------------|-------------------|----------------|-----------------|---------|
| Band66 | 1.4                | 131979        | 6          | #0             | QPSK       | LV               | NT                | -6.28          | -0.004          | PASS    |
| Band66 | 1.4                | 131979        | 6          | #0             | QPSK       | NV               | NT                | -4.48          | -0.003          | PASS    |
| Band66 | 1.4                | 131979        | 6          | #0             | QPSK       | HV               | NT                | -5.92          | -0.003          | PASS    |
| Band66 | 1.4                | 131979        | 6          | #0             | 16QAM      | LV               | NT                | -7.17          | -0.004          | PASS    |
| Band66 | 1.4                | 131979        | 6          | #0             | 16QAM      | NV               | NT                | -5.26          | -0.003          | PASS    |
| Band66 | 1.4                | 131979        | 6          | #0             | 16QAM      | HV               | NT                | -6.07          | -0.004          | PASS    |
| Band66 | 1.4                | 132322        | 6          | #0             | QPSK       | LV               | NT                | -4.85          | -0.003          | PASS    |
| Band66 | 1.4                | 132322        | 6          | #0             | QPSK       | NV               | NT                | -3.40          | -0.002          | PASS    |
| Band66 | 1.4                | 132322        | 6          | #0             | QPSK       | HV               | NT                | -5.66          | -0.003          | PASS    |
| Band66 | 1.4                | 132322        | 6          | #0             | 16QAM      | LV               | NT                | -4.42          | -0.003          | PASS    |
| Band66 | 1.4                | 132322        | 6          | #0             | 16QAM      | NV               | NT                | -5.14          | -0.003          | PASS    |
| Band66 | 1.4                | 132322        | 6          | #0             | 16QAM      | HV               | NT                | -5.84          | -0.003          | PASS    |
| Band66 | 1.4                | 132665        | 6          | #0             | QPSK       | LV               | NT                | -4.28          | -0.002          | PASS    |
| Band66 | 1.4                | 132665        | 6          | #0             | QPSK       | NV               | NT                | -6.49          | -0.004          | PASS    |
| Band66 | 1.4                | 132665        | 6          | #0             | QPSK       | HV               | NT                | -4.61          | -0.003          | PASS    |
| Band66 | 1.4                | 132665        | 6          | #0             | 16QAM      | LV               | NT                | -4.96          | -0.003          | PASS    |
| Band66 | 1.4                | 132665        | 6          | #0             | 16QAM      | NV               | NT                | -4.66          | -0.003          | PASS    |
| Band66 | 1.4                | 132665        | 6          | #0             | 16QAM      | HV               | NT                | -5.31          | -0.003          | PASS    |
| Band66 | 3                  | 131987        | 15         | #0             | QPSK       | LV               | NT                | -4.03          | -0.002          | PASS    |
| Band66 | 3                  | 131987        | 15         | #0             | QPSK       | NV               | NT                | -5.78          | -0.003          | PASS    |
| Band66 | 3                  | 131987        | 15         | #0             | QPSK       | HV               | NT                | -5.41          | -0.003          | PASS    |
| Band66 | 3                  | 131987        | 15         | #0             | 16QAM      | LV               | NT                | -5.01          | -0.003          | PASS    |
| Band66 | 3                  | 131987        | 15         | #0             | 16QAM      | NV               | NT                | -4.62          | -0.003          | PASS    |
| Band66 | 3                  | 131987        | 15         | #0             | 16QAM      | HV               | NT                | -4.49          | -0.003          | PASS    |
| Band66 | 3                  | 132322        | 15         | #0             | QPSK       | LV               | NT                | -4.12          | -0.002          | PASS    |
| Band66 | 3                  | 132322        | 15         | #0             | QPSK       | NV               | NT                | -4.56          | -0.003          | PASS    |
| Band66 | 3                  | 132322        | 15         | #0             | QPSK       | HV               | NT                | -4.39          | -0.003          | PASS    |
| Band66 | 3                  | 132322        | 15         | #0             | 16QAM      | LV               | NT                | -4.06          | -0.002          | PASS    |
| Band66 | 3                  | 132322        | 15         | #0             | 16QAM      | NV               | NT                | -3.43          | -0.002          | PASS    |
| Band66 | 3                  | 132322        | 15         | #0             | 16QAM      | HV               | NT                | -3.53          | -0.002          | PASS    |
| Band66 | 3                  | 132657        | 15         | #0             | QPSK       | LV               | NT                | -2.85          | -0.002          | PASS    |
| Band66 | 3                  | 132657        | 15         | #0             | QPSK       | NV               | NT                | -3.68          | -0.002          | PASS    |
| Band66 | 3                  | 132657        | 15         | #0             | QPSK       | HV               | NT                | -5.75          | -0.003          | PASS    |
| Band66 | 3                  | 132657        | 15         | #0             | 16QAM      | LV               | NT                | -3.79          | -0.002          | PASS    |
| Band66 | 3                  | 132657        | 15         | #0             | 16QAM      | NV               | NT                | -4.96          | -0.003          | PASS    |
| Band66 | 3                  | 132657        | 15         | #0             | 16QAM      | HV               | NT                | -3.86          | -0.002          | PASS    |
| Band66 | 5                  | 131997        | 25         | #0             | QPSK       | LV               | NT                | -3.92          | -0.002          | PASS    |
| Band66 | 5                  | 131997        | 25         | #0             | QPSK       | NV               | NT                | -3.49          | -0.002          | PASS    |



|        |    |        |     |    |       |    |    |       |        |      |
|--------|----|--------|-----|----|-------|----|----|-------|--------|------|
| Band66 | 5  | 131997 | 25  | #0 | QPSK  | HV | NT | -2.90 | -0.002 | PASS |
| Band66 | 5  | 131997 | 25  | #0 | 16QAM | LV | NT | -2.22 | -0.001 | PASS |
| Band66 | 5  | 131997 | 25  | #0 | 16QAM | NV | NT | -2.93 | -0.002 | PASS |
| Band66 | 5  | 131997 | 25  | #0 | 16QAM | HV | NT | -2.95 | -0.002 | PASS |
| Band66 | 5  | 132322 | 25  | #0 | QPSK  | LV | NT | -2.06 | -0.001 | PASS |
| Band66 | 5  | 132322 | 25  | #0 | QPSK  | NV | NT | -2.37 | -0.001 | PASS |
| Band66 | 5  | 132322 | 25  | #0 | QPSK  | HV | NT | -2.36 | -0.001 | PASS |
| Band66 | 5  | 132322 | 25  | #0 | 16QAM | LV | NT | -4.13 | -0.002 | PASS |
| Band66 | 5  | 132322 | 25  | #0 | 16QAM | NV | NT | -2.35 | -0.001 | PASS |
| Band66 | 5  | 132322 | 25  | #0 | 16QAM | HV | NT | -2.65 | -0.002 | PASS |
| Band66 | 5  | 132647 | 25  | #0 | QPSK  | LV | NT | -3.32 | -0.002 | PASS |
| Band66 | 5  | 132647 | 25  | #0 | QPSK  | NV | NT | -3.45 | -0.002 | PASS |
| Band66 | 5  | 132647 | 25  | #0 | QPSK  | HV | NT | -2.79 | -0.002 | PASS |
| Band66 | 5  | 132647 | 25  | #0 | 16QAM | LV | NT | -3.02 | -0.002 | PASS |
| Band66 | 5  | 132647 | 25  | #0 | 16QAM | NV | NT | -2.79 | -0.002 | PASS |
| Band66 | 5  | 132647 | 25  | #0 | 16QAM | HV | NT | -1.36 | -0.001 | PASS |
| Band66 | 10 | 132022 | 50  | #0 | QPSK  | LV | NT | -2.92 | -0.002 | PASS |
| Band66 | 10 | 132022 | 50  | #0 | QPSK  | NV | NT | -2.03 | -0.001 | PASS |
| Band66 | 10 | 132022 | 50  | #0 | QPSK  | HV | NT | -3.23 | -0.002 | PASS |
| Band66 | 10 | 132322 | 50  | #0 | QPSK  | LV | NT | -2.79 | -0.002 | PASS |
| Band66 | 10 | 132322 | 50  | #0 | QPSK  | NV | NT | -3.39 | -0.002 | PASS |
| Band66 | 10 | 132322 | 50  | #0 | QPSK  | HV | NT | -2.56 | -0.001 | PASS |
| Band66 | 10 | 132622 | 50  | #0 | QPSK  | LV | NT | -1.82 | -0.001 | PASS |
| Band66 | 10 | 132622 | 50  | #0 | QPSK  | NV | NT | -1.60 | -0.001 | PASS |
| Band66 | 10 | 132622 | 50  | #0 | QPSK  | HV | NT | -2.47 | -0.001 | PASS |
| Band66 | 15 | 132047 | 75  | #0 | QPSK  | LV | NT | -3.85 | -0.002 | PASS |
| Band66 | 15 | 132047 | 75  | #0 | QPSK  | NV | NT | -1.47 | -0.001 | PASS |
| Band66 | 15 | 132047 | 75  | #0 | QPSK  | HV | NT | -2.82 | -0.002 | PASS |
| Band66 | 15 | 132322 | 75  | #0 | QPSK  | LV | NT | -1.63 | -0.001 | PASS |
| Band66 | 15 | 132322 | 75  | #0 | QPSK  | NV | NT | -3.15 | -0.002 | PASS |
| Band66 | 15 | 132322 | 75  | #0 | QPSK  | HV | NT | -1.52 | -0.001 | PASS |
| Band66 | 15 | 132597 | 75  | #0 | QPSK  | LV | NT | -2.10 | -0.001 | PASS |
| Band66 | 15 | 132597 | 75  | #0 | QPSK  | NV | NT | -1.83 | -0.001 | PASS |
| Band66 | 15 | 132597 | 75  | #0 | QPSK  | HV | NT | -1.65 | -0.001 | PASS |
| Band66 | 20 | 132072 | 100 | #0 | QPSK  | LV | NT | -2.06 | -0.001 | PASS |
| Band66 | 20 | 132072 | 100 | #0 | QPSK  | NV | NT | -1.34 | -0.001 | PASS |
| Band66 | 20 | 132072 | 100 | #0 | QPSK  | HV | NT | -2.39 | -0.001 | PASS |
| Band66 | 20 | 132322 | 100 | #0 | QPSK  | LV | NT | -1.42 | -0.001 | PASS |
| Band66 | 20 | 132322 | 100 | #0 | QPSK  | NV | NT | -2.16 | -0.001 | PASS |
| Band66 | 20 | 132322 | 100 | #0 | QPSK  | HV | NT | -2.68 | -0.002 | PASS |
| Band66 | 20 | 132572 | 100 | #0 | QPSK  | LV | NT | -1.43 | -0.001 | PASS |
| Band66 | 20 | 132572 | 100 | #0 | QPSK  | NV | NT | -2.88 | -0.002 | PASS |
| Band66 | 20 | 132572 | 100 | #0 | QPSK  | HV | NT | -1.14 | -0.001 | 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 |
|--------|--------------------|---------------|------------|----------------|------------|------------------|--------------------|----------------|-----------------|---------|
| Band66 | 1.4                | 131979        | 6          | #0             | QPSK       | NV               | -30                | -2.35          | -0.001          | PASS    |
| Band66 | 1.4                | 131979        | 6          | #0             | QPSK       | NV               | -20                | -1.00          | -0.001          | PASS    |
| Band66 | 1.4                | 131979        | 6          | #0             | QPSK       | NV               | -10                | -1.24          | -0.001          | PASS    |
| Band66 | 1.4                | 131979        | 6          | #0             | QPSK       | NV               | 0                  | -0.47          | 0.000           | PASS    |
| Band66 | 1.4                | 131979        | 6          | #0             | QPSK       | NV               | 10                 | -0.44          | 0.000           | PASS    |
| Band66 | 1.4                | 131979        | 6          | #0             | QPSK       | NV               | 20                 | 0.51           | 0.000           | PASS    |
| Band66 | 1.4                | 131979        | 6          | #0             | QPSK       | NV               | 30                 | 1.27           | 0.001           | PASS    |
| Band66 | 1.4                | 131979        | 6          | #0             | QPSK       | NV               | 40                 | 0.46           | 0.000           | PASS    |
| Band66 | 1.4                | 131979        | 6          | #0             | QPSK       | NV               | 50                 | 2.22           | 0.001           | PASS    |
| Band66 | 1.4                | 131979        | 6          | #0             | 16QAM      | NV               | -30                | 2.09           | 0.001           | PASS    |
| Band66 | 1.4                | 131979        | 6          | #0             | 16QAM      | NV               | -20                | 0.40           | 0.000           | PASS    |
| Band66 | 1.4                | 131979        | 6          | #0             | 16QAM      | NV               | -10                | 1.10           | 0.001           | PASS    |
| Band66 | 1.4                | 131979        | 6          | #0             | 16QAM      | NV               | 0                  | 0.37           | 0.000           | PASS    |
| Band66 | 1.4                | 131979        | 6          | #0             | 16QAM      | NV               | 10                 | 0.04           | 0.000           | PASS    |
| Band66 | 1.4                | 131979        | 6          | #0             | 16QAM      | NV               | 20                 | 0.13           | 0.000           | PASS    |
| Band66 | 1.4                | 131979        | 6          | #0             | 16QAM      | NV               | 30                 | -0.77          | 0.000           | PASS    |
| Band66 | 1.4                | 131979        | 6          | #0             | 16QAM      | NV               | 40                 | 0.43           | 0.000           | PASS    |
| Band66 | 1.4                | 131979        | 6          | #0             | 16QAM      | NV               | 50                 | -1.19          | -0.001          | PASS    |
| Band66 | 1.4                | 132322        | 6          | #0             | QPSK       | NV               | -30                | -1.47          | -0.001          | PASS    |
| Band66 | 1.4                | 132322        | 6          | #0             | QPSK       | NV               | -20                | 0.66           | 0.000           | PASS    |
| Band66 | 1.4                | 132322        | 6          | #0             | QPSK       | NV               | -10                | 1.14           | 0.001           | PASS    |
| Band66 | 1.4                | 132322        | 6          | #0             | QPSK       | NV               | 0                  | 0.01           | 0.000           | PASS    |
| Band66 | 1.4                | 132322        | 6          | #0             | QPSK       | NV               | 10                 | 0.36           | 0.000           | PASS    |
| Band66 | 1.4                | 132322        | 6          | #0             | QPSK       | NV               | 20                 | 0.89           | 0.001           | PASS    |
| Band66 | 1.4                | 132322        | 6          | #0             | QPSK       | NV               | 30                 | -0.53          | 0.000           | PASS    |
| Band66 | 1.4                | 132322        | 6          | #0             | QPSK       | NV               | 40                 | 0.73           | 0.000           | PASS    |
| Band66 | 1.4                | 132322        | 6          | #0             | QPSK       | NV               | 50                 | 0.17           | 0.000           | PASS    |
| Band66 | 1.4                | 132322        | 6          | #0             | 16QAM      | NV               | -30                | 1.99           | 0.001           | PASS    |
| Band66 | 1.4                | 132322        | 6          | #0             | 16QAM      | NV               | -20                | -0.89          | -0.001          | PASS    |
| Band66 | 1.4                | 132322        | 6          | #0             | 16QAM      | NV               | -10                | -0.92          | -0.001          | PASS    |
| Band66 | 1.4                | 132322        | 6          | #0             | 16QAM      | NV               | 0                  | -0.96          | -0.001          | PASS    |
| Band66 | 1.4                | 132322        | 6          | #0             | 16QAM      | NV               | 10                 | -1.66          | -0.001          | PASS    |
| Band66 | 1.4                | 132322        | 6          | #0             | 16QAM      | NV               | 20                 | -0.24          | 0.000           | PASS    |
| Band66 | 1.4                | 132322        | 6          | #0             | 16QAM      | NV               | 30                 | -0.26          | 0.000           | PASS    |
| Band66 | 1.4                | 132322        | 6          | #0             | 16QAM      | NV               | 40                 | -0.19          | 0.000           | PASS    |
| Band66 | 1.4                | 132322        | 6          | #0             | 16QAM      | NV               | 50                 | -0.54          | 0.000           | PASS    |
| Band66 | 1.4                | 132665        | 6          | #0             | QPSK       | NV               | -30                | -0.92          | -0.001          | PASS    |
| Band66 | 1.4                | 132665        | 6          | #0             | QPSK       | NV               | -20                | 1.09           | 0.001           | PASS    |
| Band66 | 1.4                | 132665        | 6          | #0             | QPSK       | NV               | -10                | 1.32           | 0.001           | PASS    |
| Band66 | 1.4                | 132665        | 6          | #0             | QPSK       | NV               | 0                  | 1.17           | 0.001           | PASS    |

|        |     |        |    |    |       |    |     |       |        |      |
|--------|-----|--------|----|----|-------|----|-----|-------|--------|------|
| Band66 | 1.4 | 132665 | 6  | #0 | QPSK  | NV | 10  | 1.62  | 0.001  | PASS |
| Band66 | 1.4 | 132665 | 6  | #0 | QPSK  | NV | 20  | 1.46  | 0.001  | PASS |
| Band66 | 1.4 | 132665 | 6  | #0 | QPSK  | NV | 30  | 1.32  | 0.001  | PASS |
| Band66 | 1.4 | 132665 | 6  | #0 | QPSK  | NV | 40  | 1.23  | 0.001  | PASS |
| Band66 | 1.4 | 132665 | 6  | #0 | QPSK  | NV | 50  | 0.77  | 0.000  | PASS |
| Band66 | 1.4 | 132665 | 6  | #0 | 16QAM | NV | -30 | 3.29  | 0.002  | PASS |
| Band66 | 1.4 | 132665 | 6  | #0 | 16QAM | NV | -20 | 2.93  | 0.002  | PASS |
| Band66 | 1.4 | 132665 | 6  | #0 | 16QAM | NV | -10 | 1.67  | 0.001  | PASS |
| Band66 | 1.4 | 132665 | 6  | #0 | 16QAM | NV | 0   | 2.82  | 0.002  | PASS |
| Band66 | 1.4 | 132665 | 6  | #0 | 16QAM | NV | 10  | 1.40  | 0.001  | PASS |
| Band66 | 1.4 | 132665 | 6  | #0 | 16QAM | NV | 20  | 1.82  | 0.001  | PASS |
| Band66 | 1.4 | 132665 | 6  | #0 | 16QAM | NV | 30  | 2.02  | 0.001  | PASS |
| Band66 | 1.4 | 132665 | 6  | #0 | 16QAM | NV | 40  | 2.27  | 0.001  | PASS |
| Band66 | 1.4 | 132665 | 6  | #0 | 16QAM | NV | 50  | 2.53  | 0.001  | PASS |
| Band66 | 3   | 131987 | 15 | #0 | QPSK  | NV | -30 | -2.95 | -0.002 | PASS |
| Band66 | 3   | 131987 | 15 | #0 | QPSK  | NV | -20 | -1.60 | -0.001 | PASS |
| Band66 | 3   | 131987 | 15 | #0 | QPSK  | NV | -10 | -0.60 | 0.000  | PASS |
| Band66 | 3   | 131987 | 15 | #0 | QPSK  | NV | 0   | -0.50 | 0.000  | PASS |
| Band66 | 3   | 131987 | 15 | #0 | QPSK  | NV | 10  | -0.60 | 0.000  | PASS |
| Band66 | 3   | 131987 | 15 | #0 | QPSK  | NV | 20  | 0.29  | 0.000  | PASS |
| Band66 | 3   | 131987 | 15 | #0 | QPSK  | NV | 30  | 0.36  | 0.000  | PASS |
| Band66 | 3   | 131987 | 15 | #0 | QPSK  | NV | 40  | 1.47  | 0.001  | PASS |
| Band66 | 3   | 131987 | 15 | #0 | QPSK  | NV | 50  | 0.93  | 0.001  | PASS |
| Band66 | 3   | 131987 | 15 | #0 | 16QAM | NV | -30 | 0.73  | 0.000  | PASS |
| Band66 | 3   | 131987 | 15 | #0 | 16QAM | NV | -20 | 0.09  | 0.000  | PASS |
| Band66 | 3   | 131987 | 15 | #0 | 16QAM | NV | -10 | 0.37  | 0.000  | PASS |
| Band66 | 3   | 131987 | 15 | #0 | 16QAM | NV | 0   | -1.09 | -0.001 | PASS |
| Band66 | 3   | 131987 | 15 | #0 | 16QAM | NV | 10  | -1.33 | -0.001 | PASS |
| Band66 | 3   | 131987 | 15 | #0 | 16QAM | NV | 20  | -1.59 | -0.001 | PASS |
| Band66 | 3   | 131987 | 15 | #0 | 16QAM | NV | 30  | -0.51 | 0.000  | PASS |
| Band66 | 3   | 131987 | 15 | #0 | 16QAM | NV | 40  | 0.14  | 0.000  | PASS |
| Band66 | 3   | 131987 | 15 | #0 | 16QAM | NV | 50  | 0.37  | 0.000  | PASS |
| Band66 | 3   | 132322 | 15 | #0 | QPSK  | NV | -30 | 0.21  | 0.000  | PASS |
| Band66 | 3   | 132322 | 15 | #0 | QPSK  | NV | -20 | 1.52  | 0.001  | PASS |
| Band66 | 3   | 132322 | 15 | #0 | QPSK  | NV | -10 | -0.72 | 0.000  | PASS |
| Band66 | 3   | 132322 | 15 | #0 | QPSK  | NV | 0   | 0.62  | 0.000  | PASS |
| Band66 | 3   | 132322 | 15 | #0 | QPSK  | NV | 10  | -0.54 | 0.000  | PASS |
| Band66 | 3   | 132322 | 15 | #0 | QPSK  | NV | 20  | 0.36  | 0.000  | PASS |
| Band66 | 3   | 132322 | 15 | #0 | QPSK  | NV | 30  | 0.70  | 0.000  | PASS |
| Band66 | 3   | 132322 | 15 | #0 | QPSK  | NV | 40  | -0.24 | 0.000  | PASS |
| Band66 | 3   | 132322 | 15 | #0 | QPSK  | NV | 50  | -0.17 | 0.000  | PASS |
| Band66 | 3   | 132322 | 15 | #0 | 16QAM | NV | -30 | -0.06 | 0.000  | PASS |
| Band66 | 3   | 132322 | 15 | #0 | 16QAM | NV | -20 | -0.90 | -0.001 | PASS |

|        |   |        |    |    |       |    |     |       |        |      |
|--------|---|--------|----|----|-------|----|-----|-------|--------|------|
| Band66 | 3 | 132322 | 15 | #0 | 16QAM | NV | -10 | -0.84 | 0.000  | PASS |
| Band66 | 3 | 132322 | 15 | #0 | 16QAM | NV | 0   | 0.76  | 0.000  | PASS |
| Band66 | 3 | 132322 | 15 | #0 | 16QAM | NV | 10  | 1.09  | 0.001  | PASS |
| Band66 | 3 | 132322 | 15 | #0 | 16QAM | NV | 20  | -0.19 | 0.000  | PASS |
| Band66 | 3 | 132322 | 15 | #0 | 16QAM | NV | 30  | -0.70 | 0.000  | PASS |
| Band66 | 3 | 132322 | 15 | #0 | 16QAM | NV | 40  | 1.59  | 0.001  | PASS |
| Band66 | 3 | 132322 | 15 | #0 | 16QAM | NV | 50  | 0.70  | 0.000  | PASS |
| Band66 | 3 | 132657 | 15 | #0 | QPSK  | NV | -30 | 0.13  | 0.000  | PASS |
| Band66 | 3 | 132657 | 15 | #0 | QPSK  | NV | -20 | 1.09  | 0.001  | PASS |
| Band66 | 3 | 132657 | 15 | #0 | QPSK  | NV | -10 | 0.97  | 0.001  | PASS |
| Band66 | 3 | 132657 | 15 | #0 | QPSK  | NV | 0   | 1.93  | 0.001  | PASS |
| Band66 | 3 | 132657 | 15 | #0 | QPSK  | NV | 10  | 2.26  | 0.001  | PASS |
| Band66 | 3 | 132657 | 15 | #0 | QPSK  | NV | 20  | 2.50  | 0.001  | PASS |
| Band66 | 3 | 132657 | 15 | #0 | QPSK  | NV | 30  | 0.93  | 0.001  | PASS |
| Band66 | 3 | 132657 | 15 | #0 | QPSK  | NV | 40  | 1.50  | 0.001  | PASS |
| Band66 | 3 | 132657 | 15 | #0 | QPSK  | NV | 50  | 1.96  | 0.001  | PASS |
| Band66 | 3 | 132657 | 15 | #0 | 16QAM | NV | -30 | 1.09  | 0.001  | PASS |
| Band66 | 3 | 132657 | 15 | #0 | 16QAM | NV | -20 | 1.32  | 0.001  | PASS |
| Band66 | 3 | 132657 | 15 | #0 | 16QAM | NV | -10 | 2.13  | 0.001  | PASS |
| Band66 | 3 | 132657 | 15 | #0 | 16QAM | NV | 0   | 0.74  | 0.000  | PASS |
| Band66 | 3 | 132657 | 15 | #0 | 16QAM | NV | 10  | 0.54  | 0.000  | PASS |
| Band66 | 3 | 132657 | 15 | #0 | 16QAM | NV | 20  | 1.62  | 0.001  | PASS |
| Band66 | 3 | 132657 | 15 | #0 | 16QAM | NV | 30  | 0.72  | 0.000  | PASS |
| Band66 | 3 | 132657 | 15 | #0 | 16QAM | NV | 40  | 1.49  | 0.001  | PASS |
| Band66 | 3 | 132657 | 15 | #0 | 16QAM | NV | 50  | 1.80  | 0.001  | PASS |
| Band66 | 5 | 131997 | 25 | #0 | QPSK  | NV | -30 | -1.56 | -0.001 | PASS |
| Band66 | 5 | 131997 | 25 | #0 | QPSK  | NV | -20 | 0.70  | 0.000  | PASS |
| Band66 | 5 | 131997 | 25 | #0 | QPSK  | NV | -10 | 0.67  | 0.000  | PASS |
| Band66 | 5 | 131997 | 25 | #0 | QPSK  | NV | 0   | 0.84  | 0.000  | PASS |
| Band66 | 5 | 131997 | 25 | #0 | QPSK  | NV | 10  | 0.63  | 0.000  | PASS |
| Band66 | 5 | 131997 | 25 | #0 | QPSK  | NV | 20  | -0.34 | 0.000  | PASS |
| Band66 | 5 | 131997 | 25 | #0 | QPSK  | NV | 30  | -0.47 | 0.000  | PASS |
| Band66 | 5 | 131997 | 25 | #0 | QPSK  | NV | 40  | 0.69  | 0.000  | PASS |
| Band66 | 5 | 131997 | 25 | #0 | QPSK  | NV | 50  | 0.84  | 0.000  | PASS |
| Band66 | 5 | 131997 | 25 | #0 | 16QAM | NV | -30 | 2.42  | 0.001  | PASS |
| Band66 | 5 | 131997 | 25 | #0 | 16QAM | NV | -20 | 0.31  | 0.000  | PASS |
| Band66 | 5 | 131997 | 25 | #0 | 16QAM | NV | -10 | 0.27  | 0.000  | PASS |
| Band66 | 5 | 131997 | 25 | #0 | 16QAM | NV | 0   | 0.93  | 0.001  | PASS |
| Band66 | 5 | 131997 | 25 | #0 | 16QAM | NV | 10  | 1.23  | 0.001  | PASS |
| Band66 | 5 | 131997 | 25 | #0 | 16QAM | NV | 20  | -0.47 | 0.000  | PASS |
| Band66 | 5 | 131997 | 25 | #0 | 16QAM | NV | 30  | 0.41  | 0.000  | PASS |
| Band66 | 5 | 131997 | 25 | #0 | 16QAM | NV | 40  | -0.74 | 0.000  | PASS |
| Band66 | 5 | 131997 | 25 | #0 | 16QAM | NV | 50  | -0.49 | 0.000  | PASS |

|        |    |        |    |    |       |    |     |       |        |      |
|--------|----|--------|----|----|-------|----|-----|-------|--------|------|
| Band66 | 5  | 132322 | 25 | #0 | QPSK  | NV | -30 | 0.33  | 0.000  | PASS |
| Band66 | 5  | 132322 | 25 | #0 | QPSK  | NV | -20 | -0.57 | 0.000  | PASS |
| Band66 | 5  | 132322 | 25 | #0 | QPSK  | NV | -10 | -0.26 | 0.000  | PASS |
| Band66 | 5  | 132322 | 25 | #0 | QPSK  | NV | 0   | 1.00  | 0.001  | PASS |
| Band66 | 5  | 132322 | 25 | #0 | QPSK  | NV | 10  | 0.41  | 0.000  | PASS |
| Band66 | 5  | 132322 | 25 | #0 | QPSK  | NV | 20  | 1.16  | 0.001  | PASS |
| Band66 | 5  | 132322 | 25 | #0 | QPSK  | NV | 30  | -0.09 | 0.000  | PASS |
| Band66 | 5  | 132322 | 25 | #0 | QPSK  | NV | 40  | 0.33  | 0.000  | PASS |
| Band66 | 5  | 132322 | 25 | #0 | QPSK  | NV | 50  | 0.43  | 0.000  | PASS |
| Band66 | 5  | 132322 | 25 | #0 | 16QAM | NV | -30 | 0.79  | 0.000  | PASS |
| Band66 | 5  | 132322 | 25 | #0 | 16QAM | NV | -20 | 0.83  | 0.000  | PASS |
| Band66 | 5  | 132322 | 25 | #0 | 16QAM | NV | -10 | 0.23  | 0.000  | PASS |
| Band66 | 5  | 132322 | 25 | #0 | 16QAM | NV | 0   | -0.56 | 0.000  | PASS |
| Band66 | 5  | 132322 | 25 | #0 | 16QAM | NV | 10  | -1.96 | -0.001 | PASS |
| Band66 | 5  | 132322 | 25 | #0 | 16QAM | NV | 20  | -0.49 | 0.000  | PASS |
| Band66 | 5  | 132322 | 25 | #0 | 16QAM | NV | 30  | -0.04 | 0.000  | PASS |
| Band66 | 5  | 132322 | 25 | #0 | 16QAM | NV | 40  | -0.43 | 0.000  | PASS |
| Band66 | 5  | 132322 | 25 | #0 | 16QAM | NV | 50  | -0.10 | 0.000  | PASS |
| Band66 | 5  | 132647 | 25 | #0 | QPSK  | NV | -30 | -0.74 | 0.000  | PASS |
| Band66 | 5  | 132647 | 25 | #0 | QPSK  | NV | -20 | 1.19  | 0.001  | PASS |
| Band66 | 5  | 132647 | 25 | #0 | QPSK  | NV | -10 | 0.82  | 0.000  | PASS |
| Band66 | 5  | 132647 | 25 | #0 | QPSK  | NV | 0   | 1.69  | 0.001  | PASS |
| Band66 | 5  | 132647 | 25 | #0 | QPSK  | NV | 10  | 1.83  | 0.001  | PASS |
| Band66 | 5  | 132647 | 25 | #0 | QPSK  | NV | 20  | 0.89  | 0.001  | PASS |
| Band66 | 5  | 132647 | 25 | #0 | QPSK  | NV | 30  | 0.40  | 0.000  | PASS |
| Band66 | 5  | 132647 | 25 | #0 | QPSK  | NV | 40  | 1.86  | 0.001  | PASS |
| Band66 | 5  | 132647 | 25 | #0 | QPSK  | NV | 50  | 0.66  | 0.000  | PASS |
| Band66 | 5  | 132647 | 25 | #0 | 16QAM | NV | -30 | 0.09  | 0.000  | PASS |
| Band66 | 5  | 132647 | 25 | #0 | 16QAM | NV | -20 | 1.67  | 0.001  | PASS |
| Band66 | 5  | 132647 | 25 | #0 | 16QAM | NV | -10 | 0.17  | 0.000  | PASS |
| Band66 | 5  | 132647 | 25 | #0 | 16QAM | NV | 0   | 1.39  | 0.001  | PASS |
| Band66 | 5  | 132647 | 25 | #0 | 16QAM | NV | 10  | 1.76  | 0.001  | PASS |
| Band66 | 5  | 132647 | 25 | #0 | 16QAM | NV | 20  | 1.67  | 0.001  | PASS |
| Band66 | 5  | 132647 | 25 | #0 | 16QAM | NV | 30  | 1.26  | 0.001  | PASS |
| Band66 | 5  | 132647 | 25 | #0 | 16QAM | NV | 40  | 1.36  | 0.001  | PASS |
| Band66 | 5  | 132647 | 25 | #0 | 16QAM | NV | 50  | 1.30  | 0.001  | PASS |
| Band66 | 10 | 132022 | 50 | #0 | QPSK  | NV | -30 | -2.32 | -0.001 | PASS |
| Band66 | 10 | 132022 | 50 | #0 | QPSK  | NV | -20 | -1.60 | -0.001 | PASS |
| Band66 | 10 | 132022 | 50 | #0 | QPSK  | NV | -10 | -0.33 | 0.000  | PASS |
| Band66 | 10 | 132022 | 50 | #0 | QPSK  | NV | 0   | 0.46  | 0.000  | PASS |
| Band66 | 10 | 132022 | 50 | #0 | QPSK  | NV | 10  | 0.73  | 0.000  | PASS |
| Band66 | 10 | 132022 | 50 | #0 | QPSK  | NV | 20  | -0.30 | 0.000  | PASS |
| Band66 | 10 | 132022 | 50 | #0 | QPSK  | NV | 30  | 0.09  | 0.000  | PASS |



|        |    |        |    |    |      |    |     |       |        |      |
|--------|----|--------|----|----|------|----|-----|-------|--------|------|
| Band66 | 10 | 132022 | 50 | #0 | QPSK | NV | 40  | 0.27  | 0.000  | PASS |
| Band66 | 10 | 132022 | 50 | #0 | QPSK | NV | 50  | -0.39 | 0.000  | PASS |
| Band66 | 10 | 132322 | 50 | #0 | QPSK | NV | -30 | 0.30  | 0.000  | PASS |
| Band66 | 10 | 132322 | 50 | #0 | QPSK | NV | -20 | -0.10 | 0.000  | PASS |
| Band66 | 10 | 132322 | 50 | #0 | QPSK | NV | -10 | 0.82  | 0.000  | PASS |
| Band66 | 10 | 132322 | 50 | #0 | QPSK | NV | 0   | 1.50  | 0.001  | PASS |
| Band66 | 10 | 132322 | 50 | #0 | QPSK | NV | 10  | 0.94  | 0.001  | PASS |
| Band66 | 10 | 132322 | 50 | #0 | QPSK | NV | 20  | 1.70  | 0.001  | PASS |
| Band66 | 10 | 132322 | 50 | #0 | QPSK | NV | 30  | 0.69  | 0.000  | PASS |
| Band66 | 10 | 132322 | 50 | #0 | QPSK | NV | 40  | 0.24  | 0.000  | PASS |
| Band66 | 10 | 132322 | 50 | #0 | QPSK | NV | 50  | 0.27  | 0.000  | PASS |
| Band66 | 10 | 132622 | 50 | #0 | QPSK | NV | -30 | -0.67 | 0.000  | PASS |
| Band66 | 10 | 132622 | 50 | #0 | QPSK | NV | -20 | 0.82  | 0.000  | PASS |
| Band66 | 10 | 132622 | 50 | #0 | QPSK | NV | -10 | -0.20 | 0.000  | PASS |
| Band66 | 10 | 132622 | 50 | #0 | QPSK | NV | 0   | 0.57  | 0.000  | PASS |
| Band66 | 10 | 132622 | 50 | #0 | QPSK | NV | 10  | 2.20  | 0.001  | PASS |
| Band66 | 10 | 132622 | 50 | #0 | QPSK | NV | 20  | 0.97  | 0.001  | PASS |
| Band66 | 10 | 132622 | 50 | #0 | QPSK | NV | 30  | 2.72  | 0.002  | PASS |
| Band66 | 10 | 132622 | 50 | #0 | QPSK | NV | 40  | 2.59  | 0.001  | PASS |
| Band66 | 10 | 132622 | 50 | #0 | QPSK | NV | 50  | 0.66  | 0.000  | PASS |
| Band66 | 15 | 132047 | 75 | #0 | QPSK | NV | -30 | -1.69 | -0.001 | PASS |
| Band66 | 15 | 132047 | 75 | #0 | QPSK | NV | -20 | 0.87  | 0.001  | PASS |
| Band66 | 15 | 132047 | 75 | #0 | QPSK | NV | -10 | 0.90  | 0.001  | PASS |
| Band66 | 15 | 132047 | 75 | #0 | QPSK | NV | 0   | 0.62  | 0.000  | PASS |
| Band66 | 15 | 132047 | 75 | #0 | QPSK | NV | 10  | 1.06  | 0.001  | PASS |
| Band66 | 15 | 132047 | 75 | #0 | QPSK | NV | 20  | 0.51  | 0.000  | PASS |
| Band66 | 15 | 132047 | 75 | #0 | QPSK | NV | 30  | 0.23  | 0.000  | PASS |
| Band66 | 15 | 132047 | 75 | #0 | QPSK | NV | 40  | -0.56 | 0.000  | PASS |
| Band66 | 15 | 132047 | 75 | #0 | QPSK | NV | 50  | 0.37  | 0.000  | PASS |
| Band66 | 15 | 132322 | 75 | #0 | QPSK | NV | -30 | 0.73  | 0.000  | PASS |
| Band66 | 15 | 132322 | 75 | #0 | QPSK | NV | -20 | 0.06  | 0.000  | PASS |
| Band66 | 15 | 132322 | 75 | #0 | QPSK | NV | -10 | 1.14  | 0.001  | PASS |
| Band66 | 15 | 132322 | 75 | #0 | QPSK | NV | 0   | 0.84  | 0.000  | PASS |
| Band66 | 15 | 132322 | 75 | #0 | QPSK | NV | 10  | 0.13  | 0.000  | PASS |
| Band66 | 15 | 132322 | 75 | #0 | QPSK | NV | 20  | 1.04  | 0.001  | PASS |
| Band66 | 15 | 132322 | 75 | #0 | QPSK | NV | 30  | -0.03 | 0.000  | PASS |
| Band66 | 15 | 132322 | 75 | #0 | QPSK | NV | 40  | -0.14 | 0.000  | PASS |
| Band66 | 15 | 132322 | 75 | #0 | QPSK | NV | 50  | 1.60  | 0.001  | PASS |
| Band66 | 15 | 132597 | 75 | #0 | QPSK | NV | -30 | 0.77  | 0.000  | PASS |
| Band66 | 15 | 132597 | 75 | #0 | QPSK | NV | -20 | 1.52  | 0.001  | PASS |
| Band66 | 15 | 132597 | 75 | #0 | QPSK | NV | -10 | 1.57  | 0.001  | PASS |
| Band66 | 15 | 132597 | 75 | #0 | QPSK | NV | 0   | 1.00  | 0.001  | PASS |
| Band66 | 15 | 132597 | 75 | #0 | QPSK | NV | 10  | -1.22 | -0.001 | PASS |

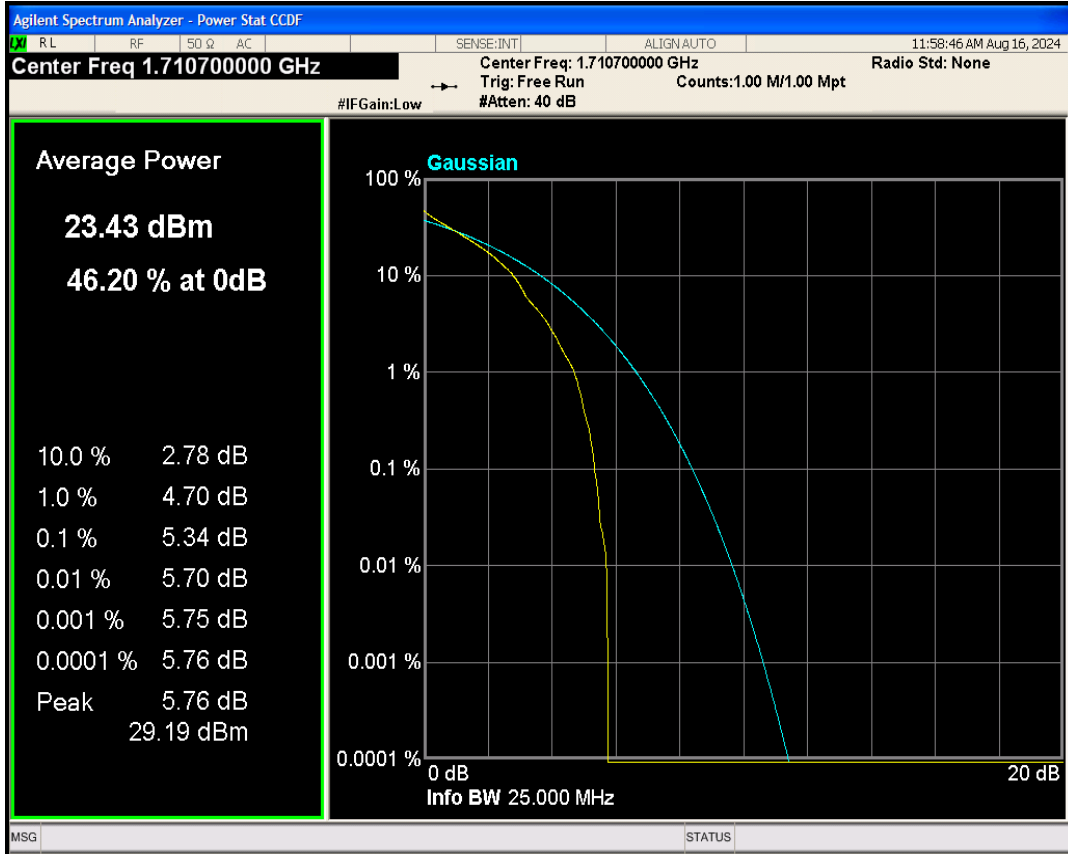
|        |    |        |     |    |      |    |     |       |        |      |
|--------|----|--------|-----|----|------|----|-----|-------|--------|------|
| Band66 | 15 | 132597 | 75  | #0 | QPSK | NV | 20  | 0.36  | 0.000  | PASS |
| Band66 | 15 | 132597 | 75  | #0 | QPSK | NV | 30  | 0.50  | 0.000  | PASS |
| Band66 | 15 | 132597 | 75  | #0 | QPSK | NV | 40  | 1.14  | 0.001  | PASS |
| Band66 | 15 | 132597 | 75  | #0 | QPSK | NV | 50  | 1.86  | 0.001  | PASS |
| Band66 | 20 | 132072 | 100 | #0 | QPSK | NV | -30 | -1.17 | -0.001 | PASS |
| Band66 | 20 | 132072 | 100 | #0 | QPSK | NV | -20 | -0.27 | 0.000  | PASS |
| Band66 | 20 | 132072 | 100 | #0 | QPSK | NV | -10 | 0.56  | 0.000  | PASS |
| Band66 | 20 | 132072 | 100 | #0 | QPSK | NV | 0   | -0.80 | 0.000  | PASS |
| Band66 | 20 | 132072 | 100 | #0 | QPSK | NV | 10  | 0.24  | 0.000  | PASS |
| Band66 | 20 | 132072 | 100 | #0 | QPSK | NV | 20  | 1.23  | 0.001  | PASS |
| Band66 | 20 | 132072 | 100 | #0 | QPSK | NV | 30  | -1.33 | -0.001 | PASS |
| Band66 | 20 | 132072 | 100 | #0 | QPSK | NV | 40  | -0.44 | 0.000  | PASS |
| Band66 | 20 | 132072 | 100 | #0 | QPSK | NV | 50  | -0.67 | 0.000  | PASS |
| Band66 | 20 | 132322 | 100 | #0 | QPSK | NV | -30 | 0.19  | 0.000  | PASS |
| Band66 | 20 | 132322 | 100 | #0 | QPSK | NV | -20 | 0.36  | 0.000  | PASS |
| Band66 | 20 | 132322 | 100 | #0 | QPSK | NV | -10 | 0.46  | 0.000  | PASS |
| Band66 | 20 | 132322 | 100 | #0 | QPSK | NV | 0   | 1.06  | 0.001  | PASS |
| Band66 | 20 | 132322 | 100 | #0 | QPSK | NV | 10  | -1.33 | -0.001 | PASS |
| Band66 | 20 | 132322 | 100 | #0 | QPSK | NV | 20  | 0.33  | 0.000  | PASS |
| Band66 | 20 | 132322 | 100 | #0 | QPSK | NV | 30  | -0.67 | 0.000  | PASS |
| Band66 | 20 | 132322 | 100 | #0 | QPSK | NV | 40  | 0.76  | 0.000  | PASS |
| Band66 | 20 | 132322 | 100 | #0 | QPSK | NV | 50  | 0.09  | 0.000  | PASS |
| Band66 | 20 | 132572 | 100 | #0 | QPSK | NV | -30 | 0.51  | 0.000  | PASS |
| Band66 | 20 | 132572 | 100 | #0 | QPSK | NV | -20 | 0.20  | 0.000  | PASS |
| Band66 | 20 | 132572 | 100 | #0 | QPSK | NV | -10 | -0.79 | 0.000  | PASS |
| Band66 | 20 | 132572 | 100 | #0 | QPSK | NV | 0   | -1.34 | -0.001 | PASS |
| Band66 | 20 | 132572 | 100 | #0 | QPSK | NV | 10  | 0.24  | 0.000  | PASS |
| Band66 | 20 | 132572 | 100 | #0 | QPSK | NV | 20  | -1.46 | -0.001 | PASS |
| Band66 | 20 | 132572 | 100 | #0 | QPSK | NV | 30  | -0.27 | 0.000  | PASS |
| Band66 | 20 | 132572 | 100 | #0 | QPSK | NV | 40  | -0.90 | -0.001 | PASS |
| Band66 | 20 | 132572 | 100 | #0 | QPSK | NV | 50  | -0.51 | 0.000  | PASS |



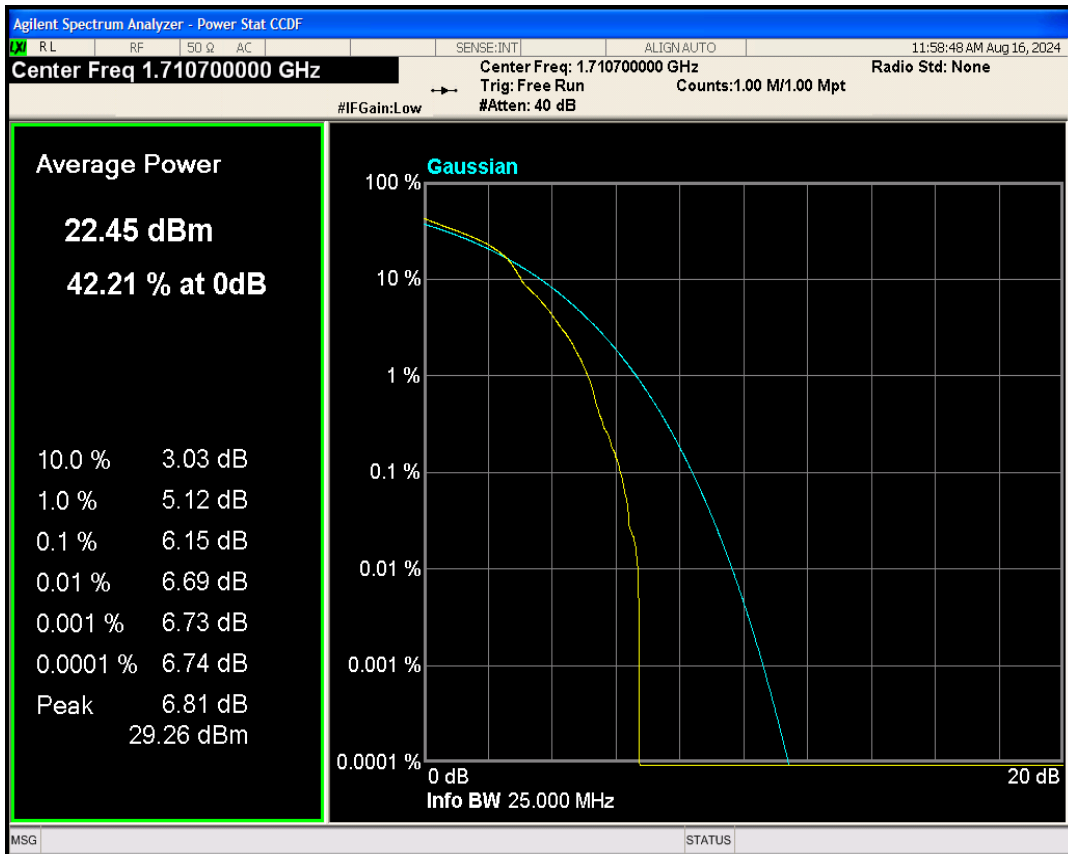
### Appendix 3. Peak-to-Average Ratio

| Band   | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Result (dB) | high Limit (dB) | Verdict |
|--------|-----------------|------------|---------|-------------|------------|-------------|-----------------|---------|
| Band66 | 1.4             | 131979     | 1       | #0          | QPSK       | 5.34        | 13              | PASS    |
| Band66 | 1.4             | 131979     | 1       | #0          | 16QAM      | 6.15        | 13              | PASS    |
| Band66 | 1.4             | 132322     | 1       | #0          | QPSK       | 5.53        | 13              | PASS    |
| Band66 | 1.4             | 132322     | 1       | #0          | 16QAM      | 6.31        | 13              | PASS    |
| Band66 | 1.4             | 132665     | 1       | #0          | QPSK       | 4.94        | 13              | PASS    |
| Band66 | 1.4             | 132665     | 1       | #0          | 16QAM      | 5.72        | 13              | PASS    |
| Band66 | 3               | 131987     | 1       | #0          | QPSK       | 5.31        | 13              | PASS    |
| Band66 | 3               | 131987     | 1       | #0          | 16QAM      | 6.25        | 13              | PASS    |
| Band66 | 3               | 132322     | 1       | #0          | QPSK       | 5.55        | 13              | PASS    |
| Band66 | 3               | 132322     | 1       | #0          | 16QAM      | 6.29        | 13              | PASS    |
| Band66 | 3               | 132657     | 1       | #0          | QPSK       | 5.17        | 13              | PASS    |
| Band66 | 3               | 132657     | 1       | #0          | 16QAM      | 5.78        | 13              | PASS    |
| Band66 | 5               | 131997     | 1       | #0          | QPSK       | 5.16        | 13              | PASS    |
| Band66 | 5               | 131997     | 1       | #0          | 16QAM      | 6.07        | 13              | PASS    |
| Band66 | 5               | 132322     | 1       | #0          | QPSK       | 5.57        | 13              | PASS    |
| Band66 | 5               | 132322     | 1       | #0          | 16QAM      | 6.29        | 13              | PASS    |
| Band66 | 5               | 132647     | 1       | #0          | QPSK       | 5.31        | 13              | PASS    |
| Band66 | 5               | 132647     | 1       | #0          | 16QAM      | 5.59        | 13              | PASS    |
| Band66 | 10              | 132022     | 1       | #0          | QPSK       | 5.17        | 13              | PASS    |
| Band66 | 10              | 132322     | 1       | #0          | QPSK       | 5.74        | 13              | PASS    |
| Band66 | 10              | 132622     | 1       | #0          | QPSK       | 5.23        | 13              | PASS    |
| Band66 | 15              | 132047     | 1       | #0          | QPSK       | 5.05        | 13              | PASS    |
| Band66 | 15              | 132322     | 1       | #0          | QPSK       | 5.50        | 13              | PASS    |
| Band66 | 15              | 132597     | 1       | #0          | QPSK       | 4.49        | 13              | PASS    |
| Band66 | 20              | 132072     | 1       | #0          | QPSK       | 5.19        | 13              | PASS    |
| Band66 | 20              | 132322     | 1       | #0          | QPSK       | 5.73        | 13              | PASS    |
| Band66 | 20              | 132572     | 1       | #0          | QPSK       | 4.03        | 13              | PASS    |

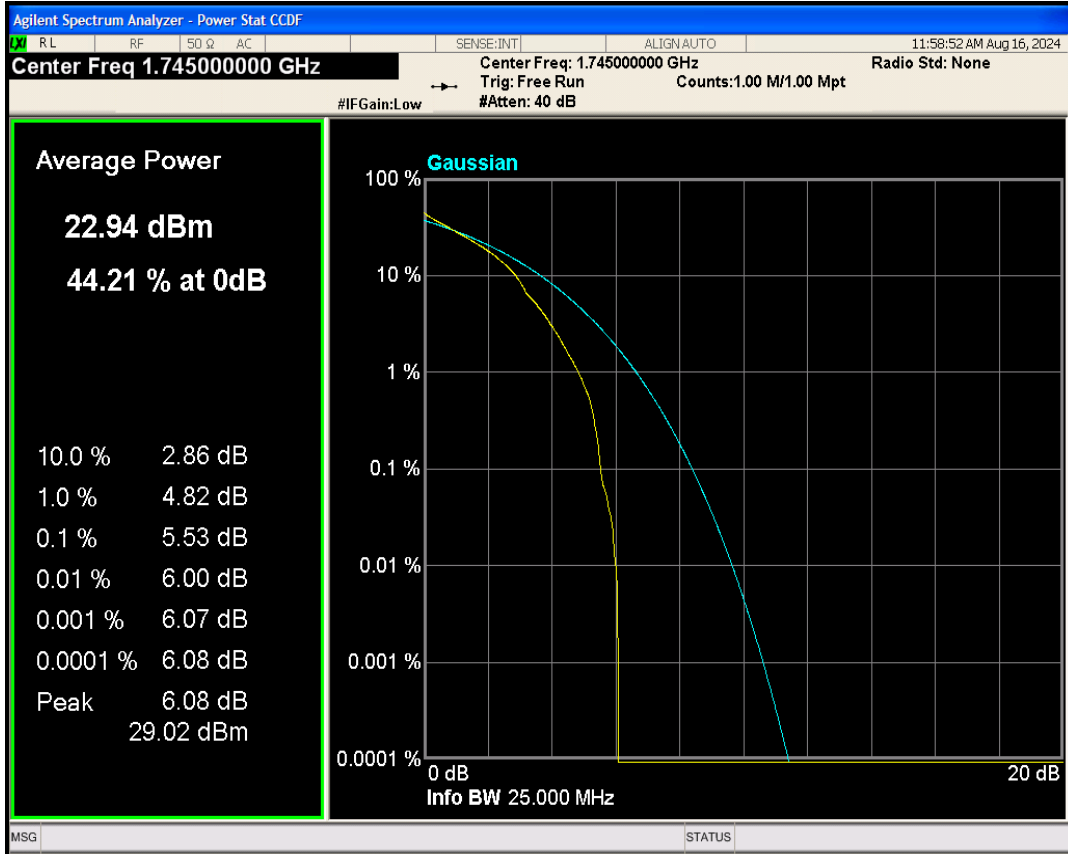
Band66 QPSK BW=1.4MHz Channel=131979 RB Size=1 Position=#0



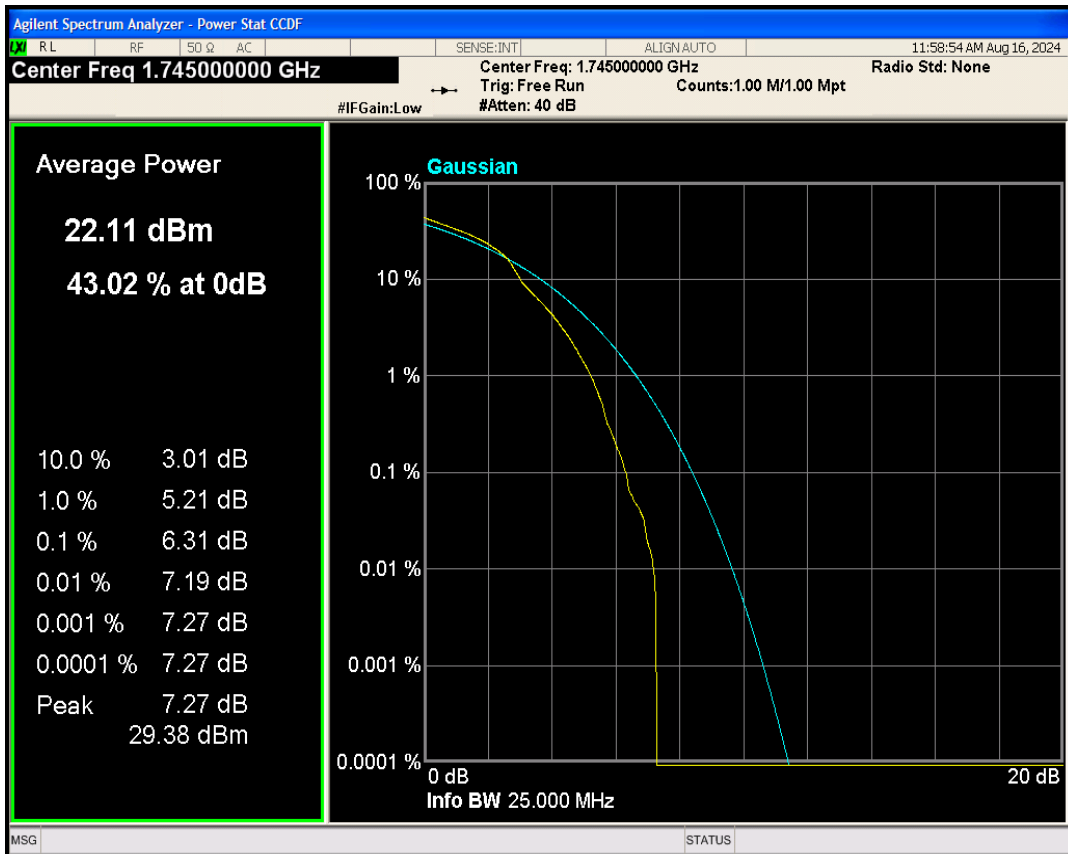
Band66 16QAM BW=1.4MHz Channel=131979 RB Size=1 Position=#0



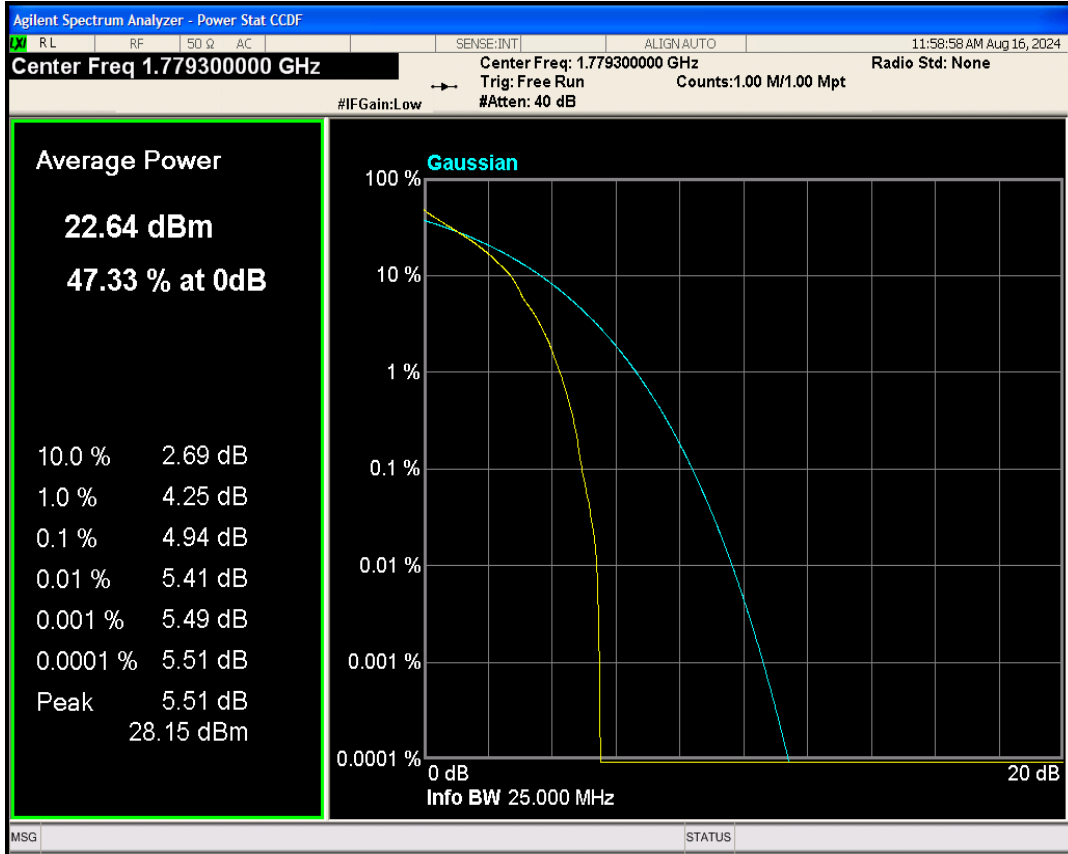
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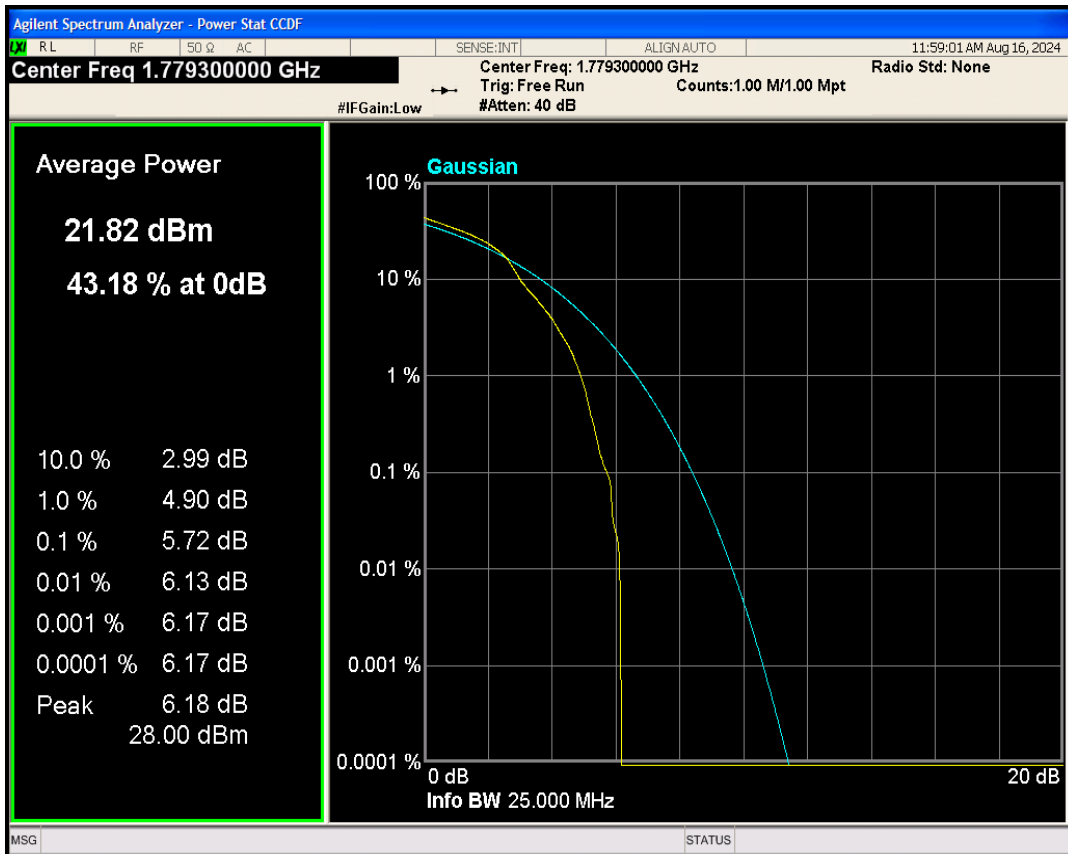
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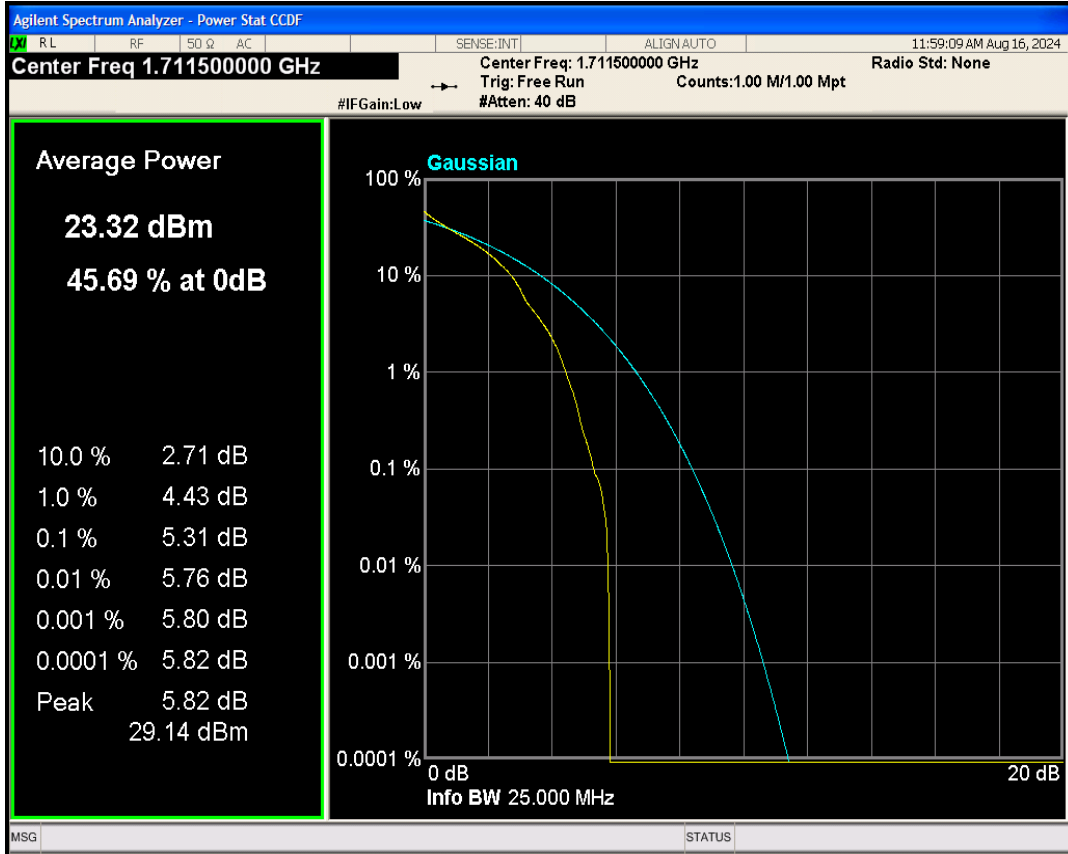
Band66 QPSK BW=1.4MHz Channel=132665 RB Size=1 Position=#0



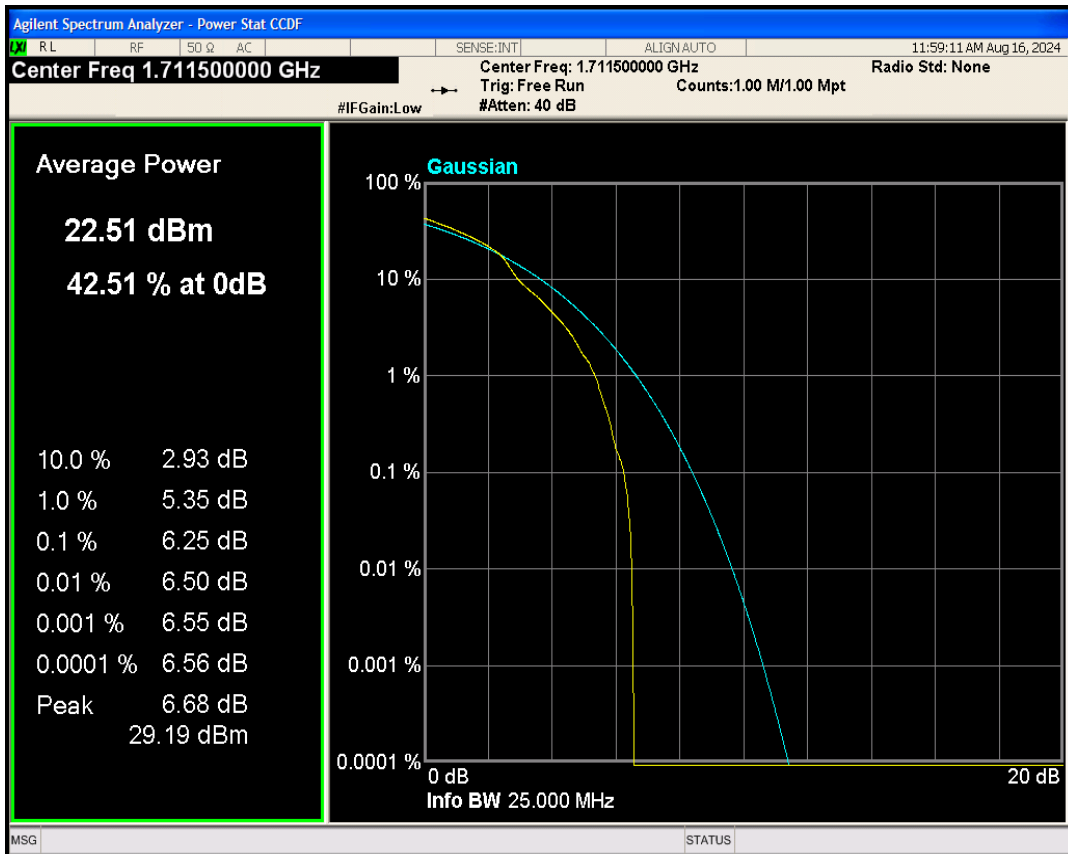
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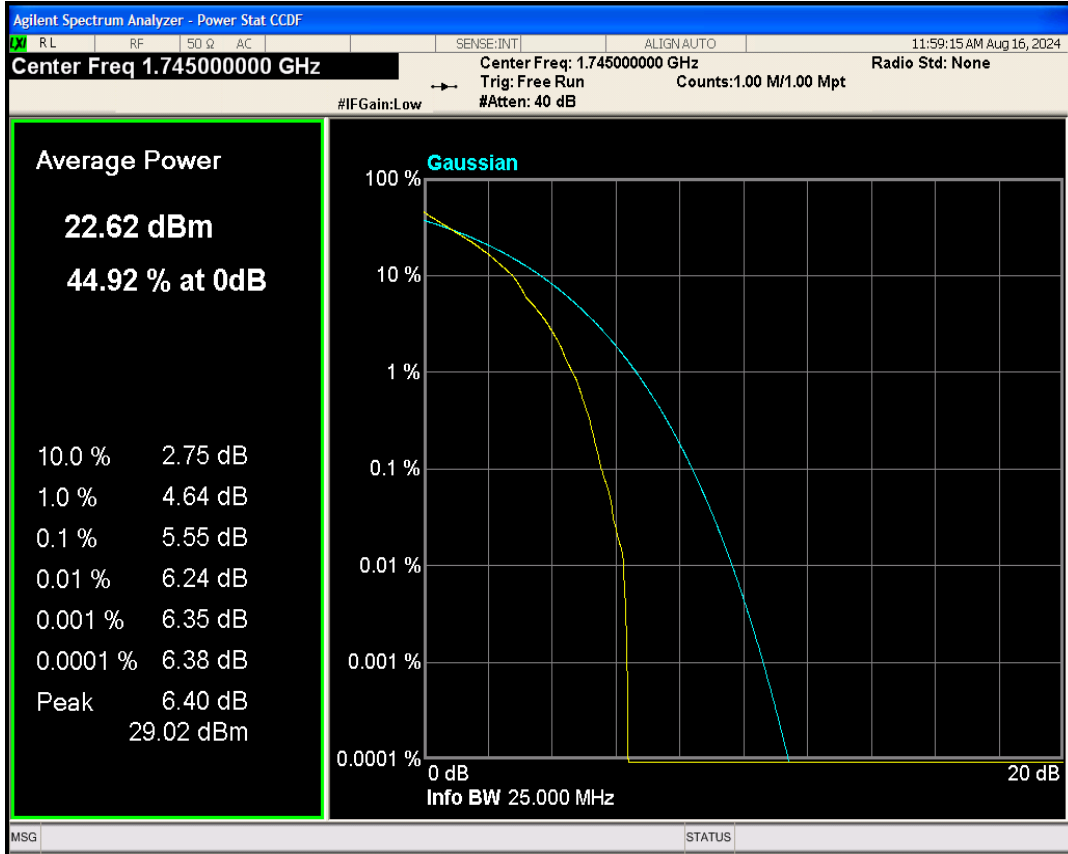
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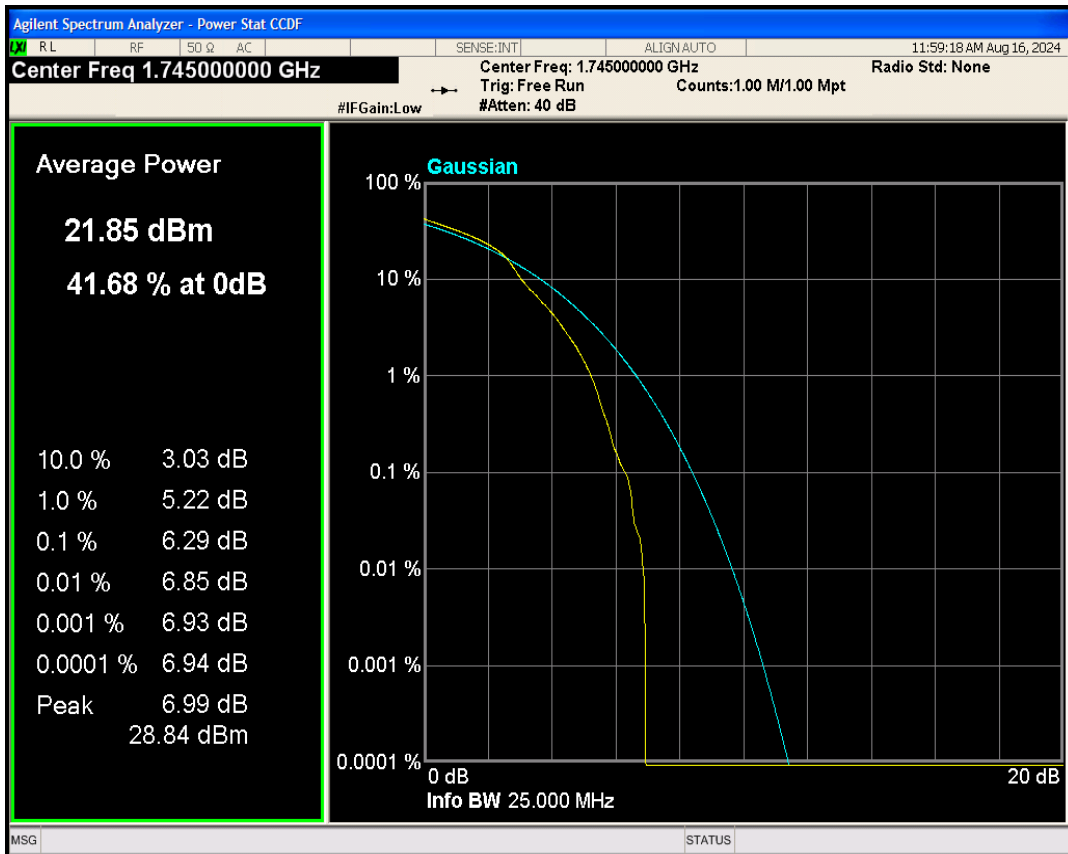
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Band66 QPSK BW=3MHz Channel=132322 RB Size=1 Position=#0

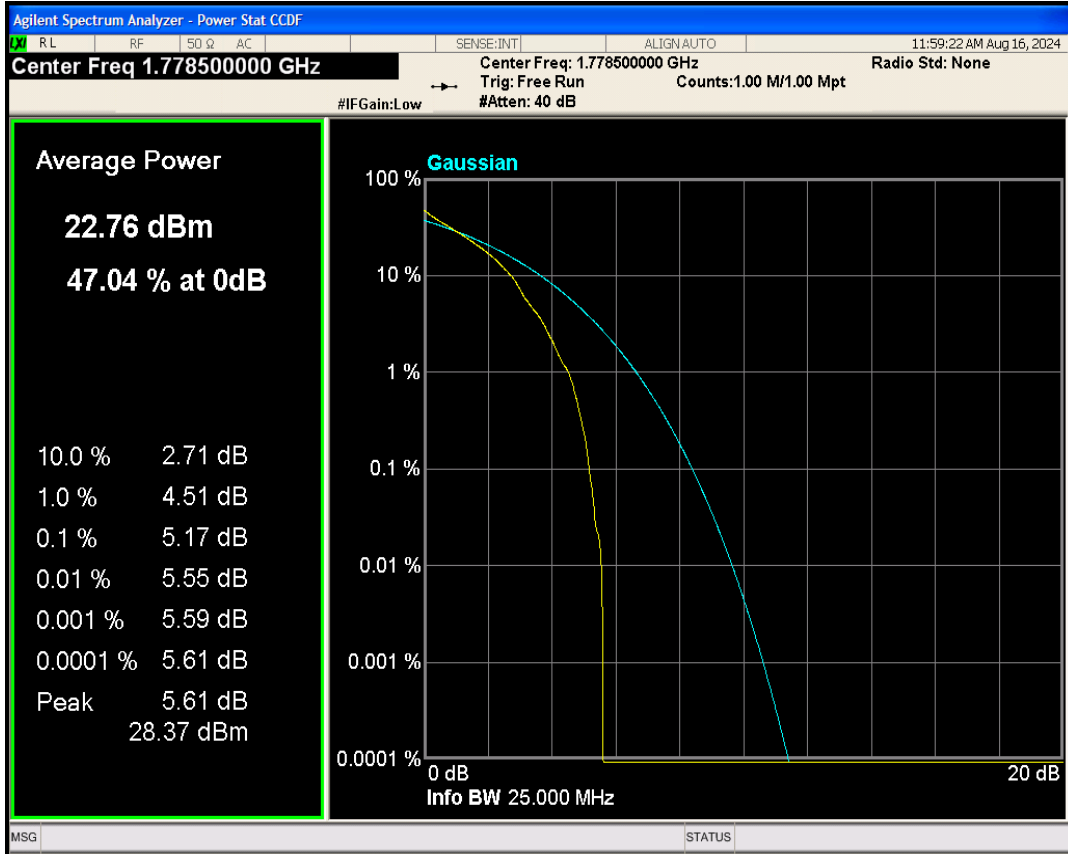


Band66 16QAM BW=3MHz Channel=132322 RB Size=1 Position=#0

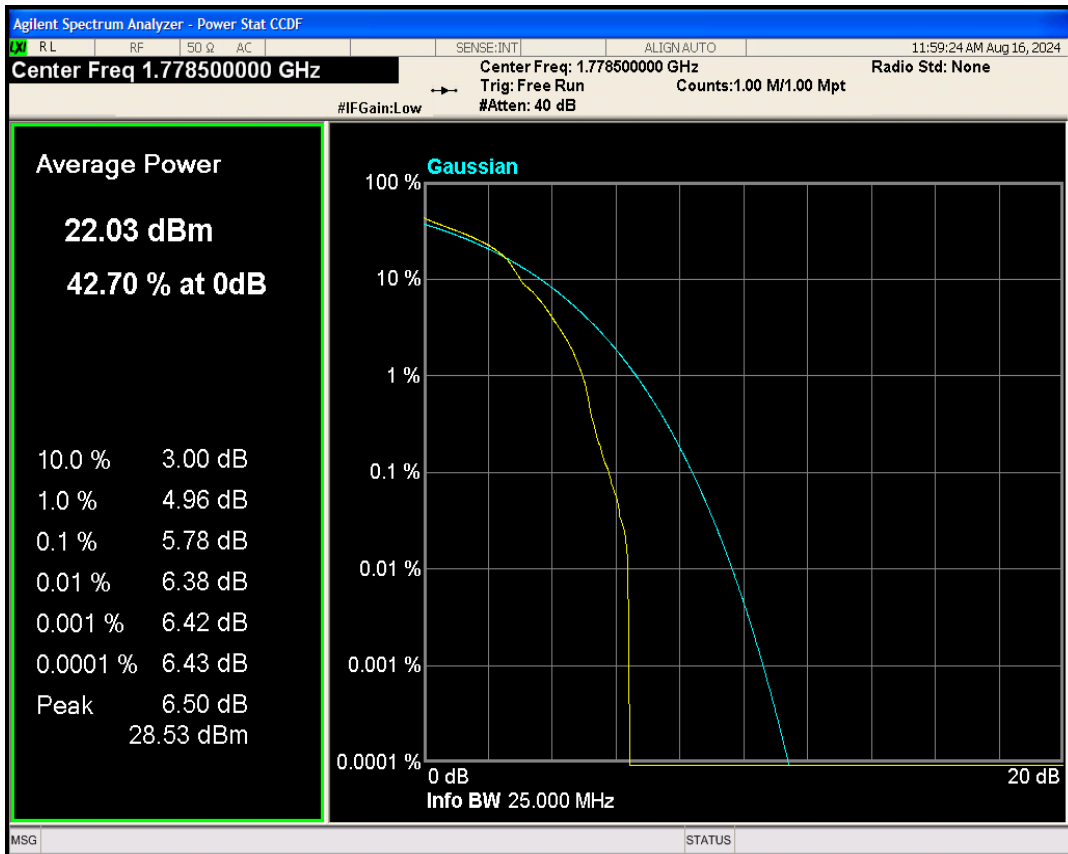


Band66 QPSK BW=3MHz Channel=132657 RB Size=1 Position=#0

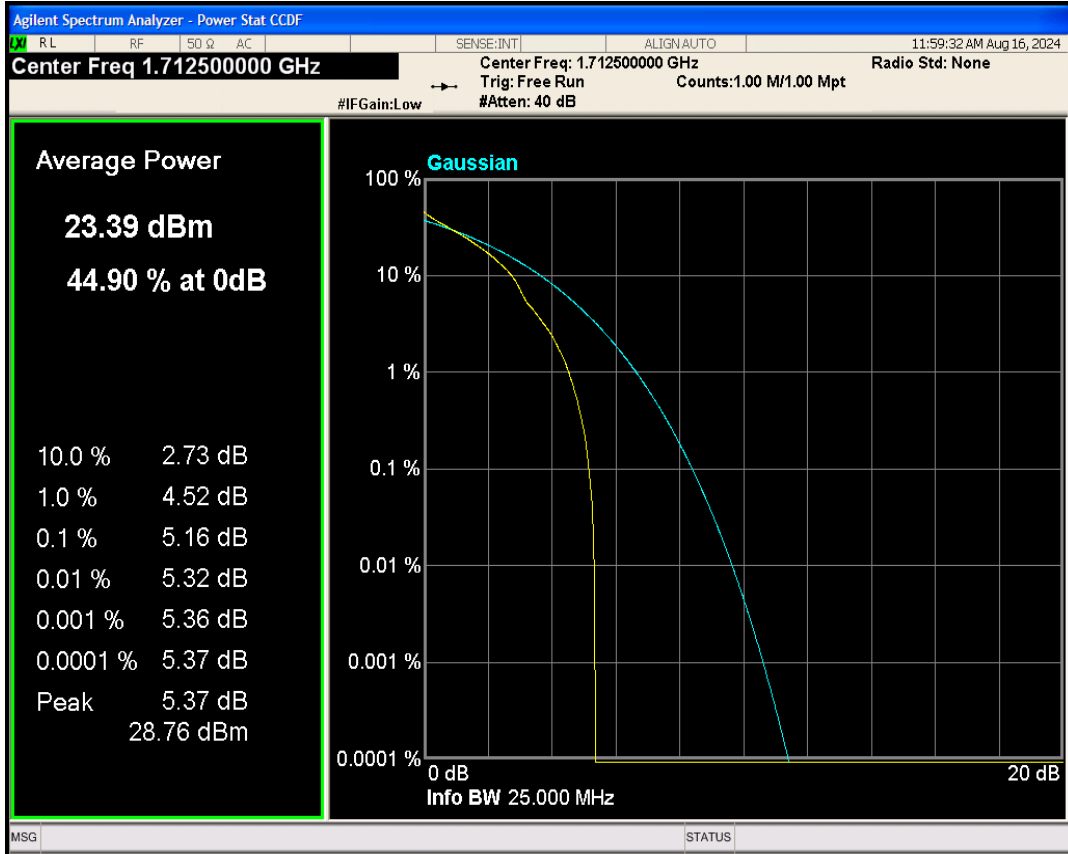




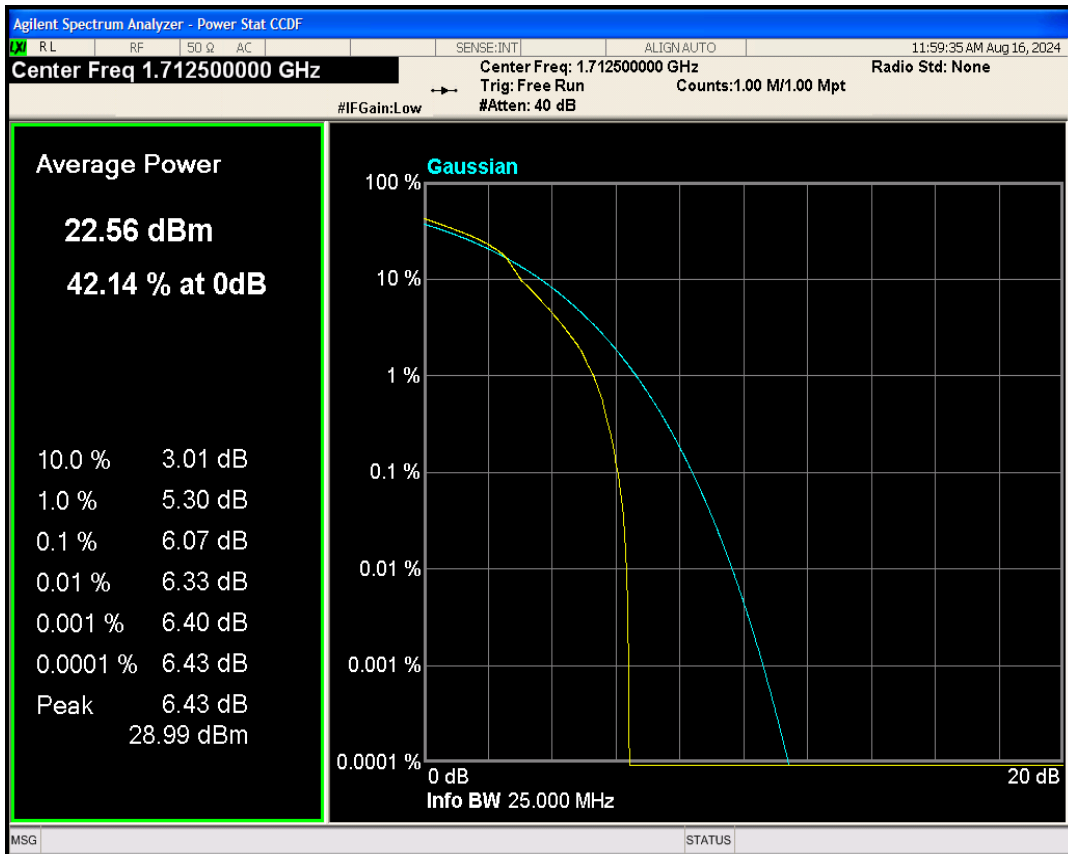
Band66 16QAM BW=3MHz Channel=132657 RB Size=1 Position=#0



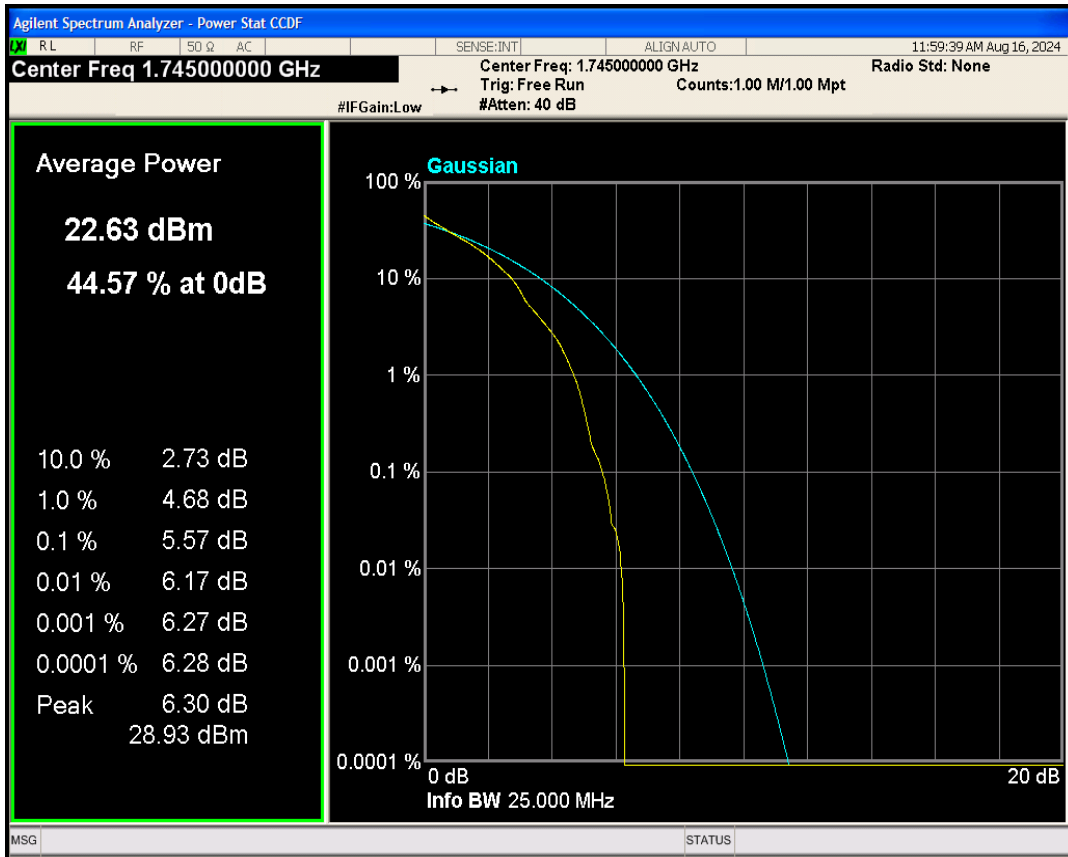
Band66 QPSK BW=5MHz Channel=131997 RB Size=1 Position=#0



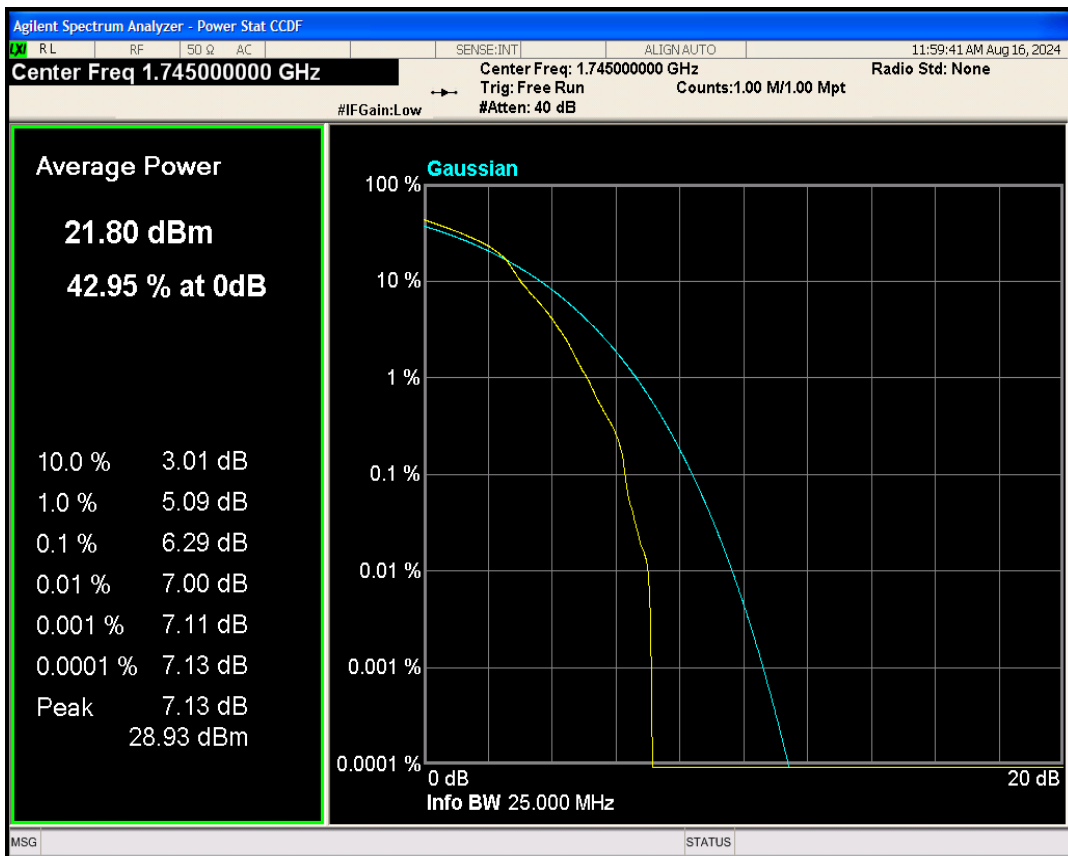
Band66 16QAM BW=5MHz Channel=131997 RB Size=1 Position=#0



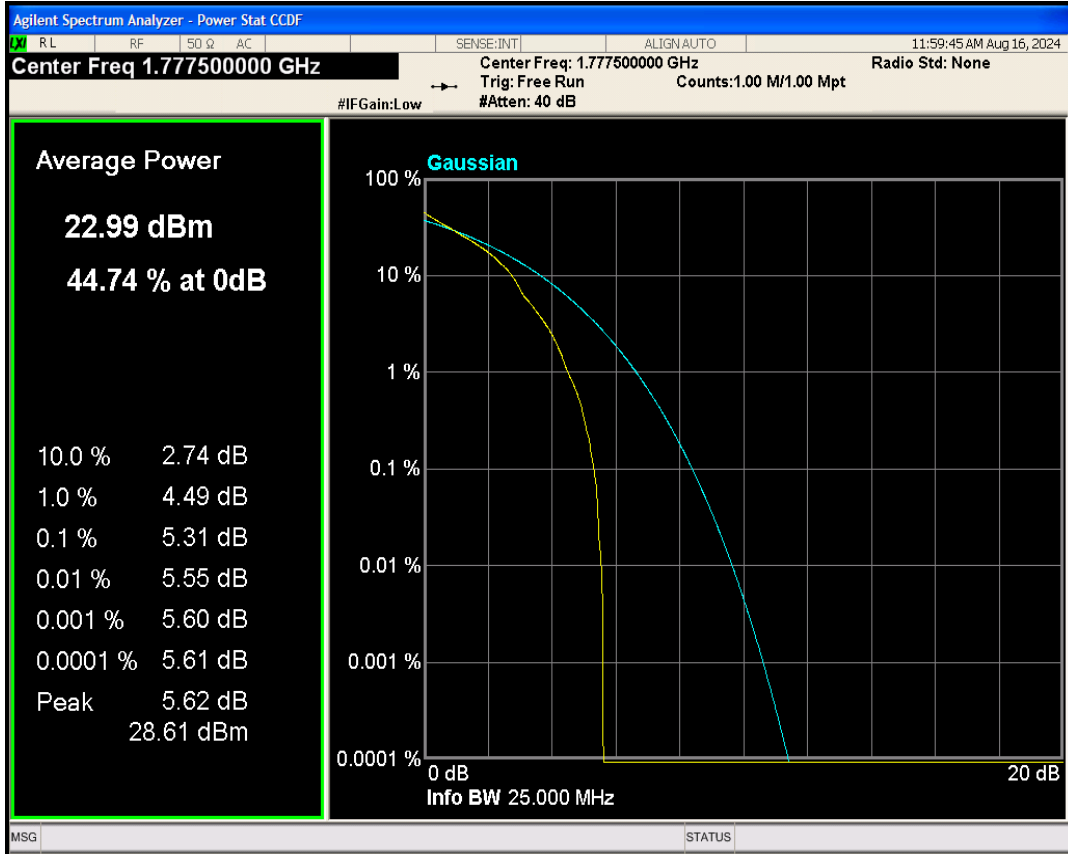
Band66 QPSK BW=5MHz Channel=132322 RB Size=1 Position=#0



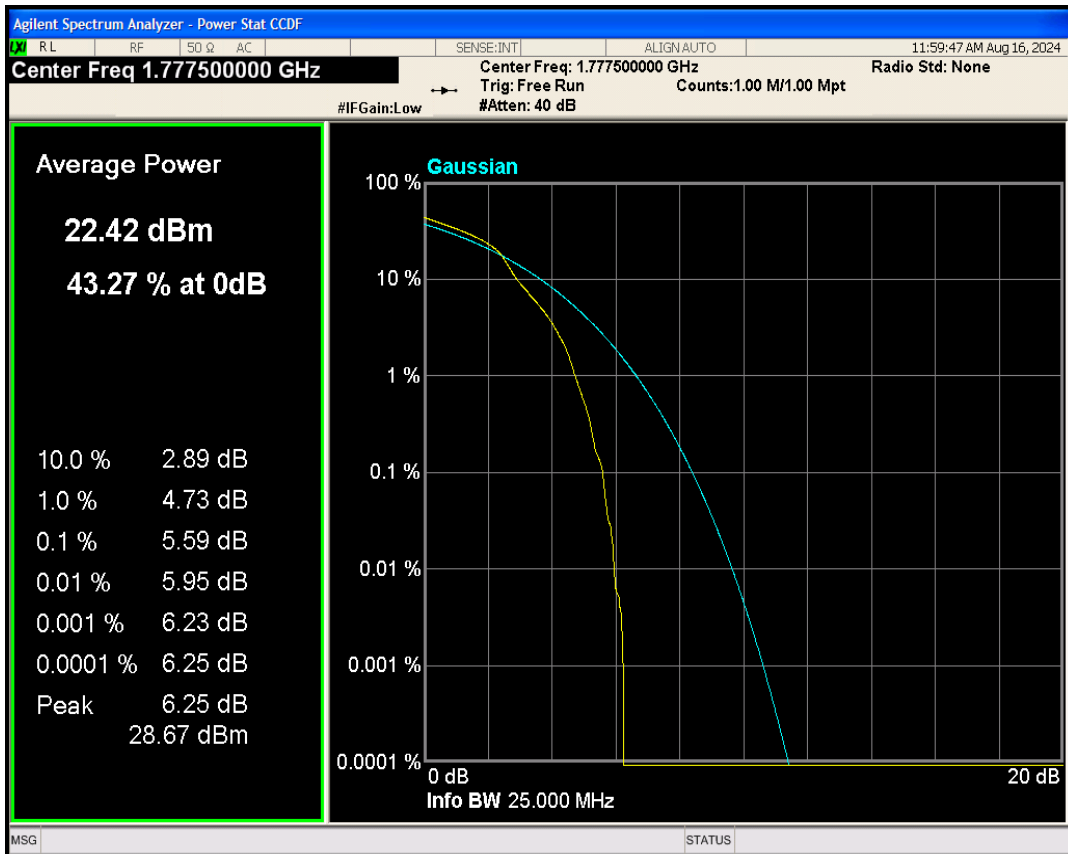
Band66 16QAM BW=5MHz Channel=132322 RB Size=1 Position=#0



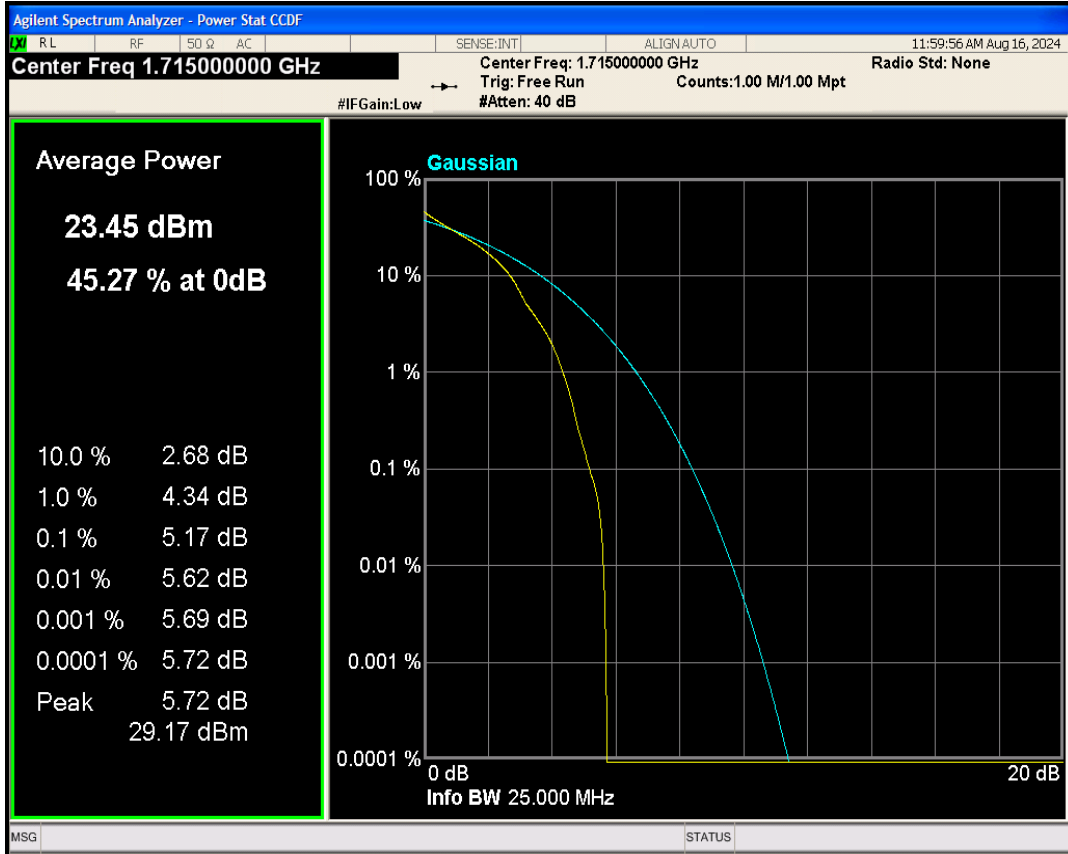
Band66 QPSK BW=5MHz Channel=132647 RB Size=1 Position=#0



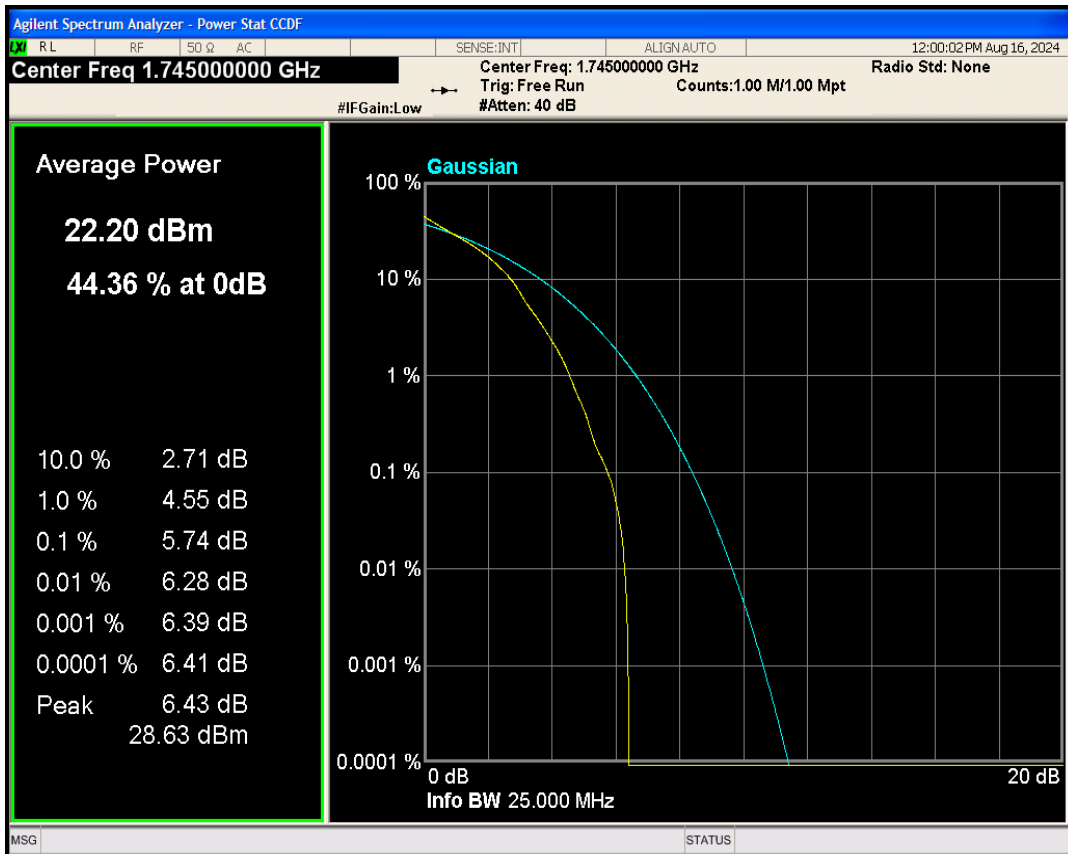
Band66 16QAM BW=5MHz Channel=132647 RB Size=1 Position=#0



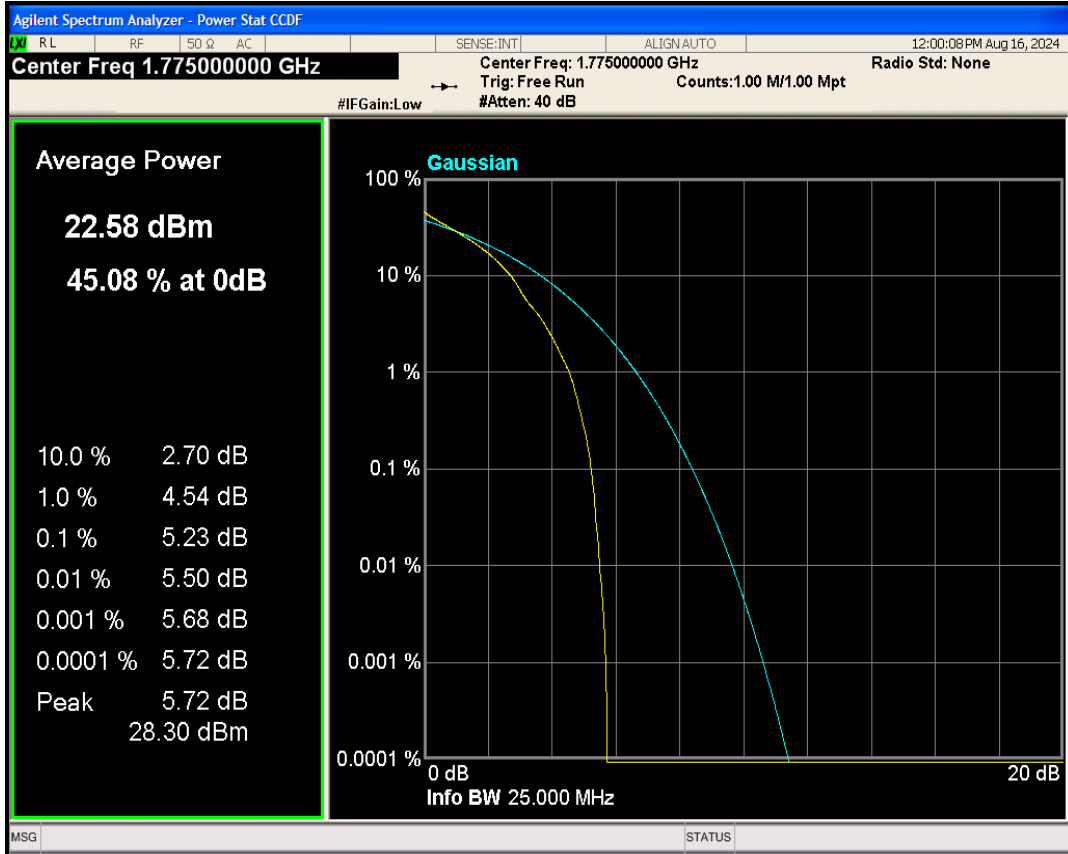
Band66 QPSK BW=10MHz Channel=132022 RB Size=1 Position=#0



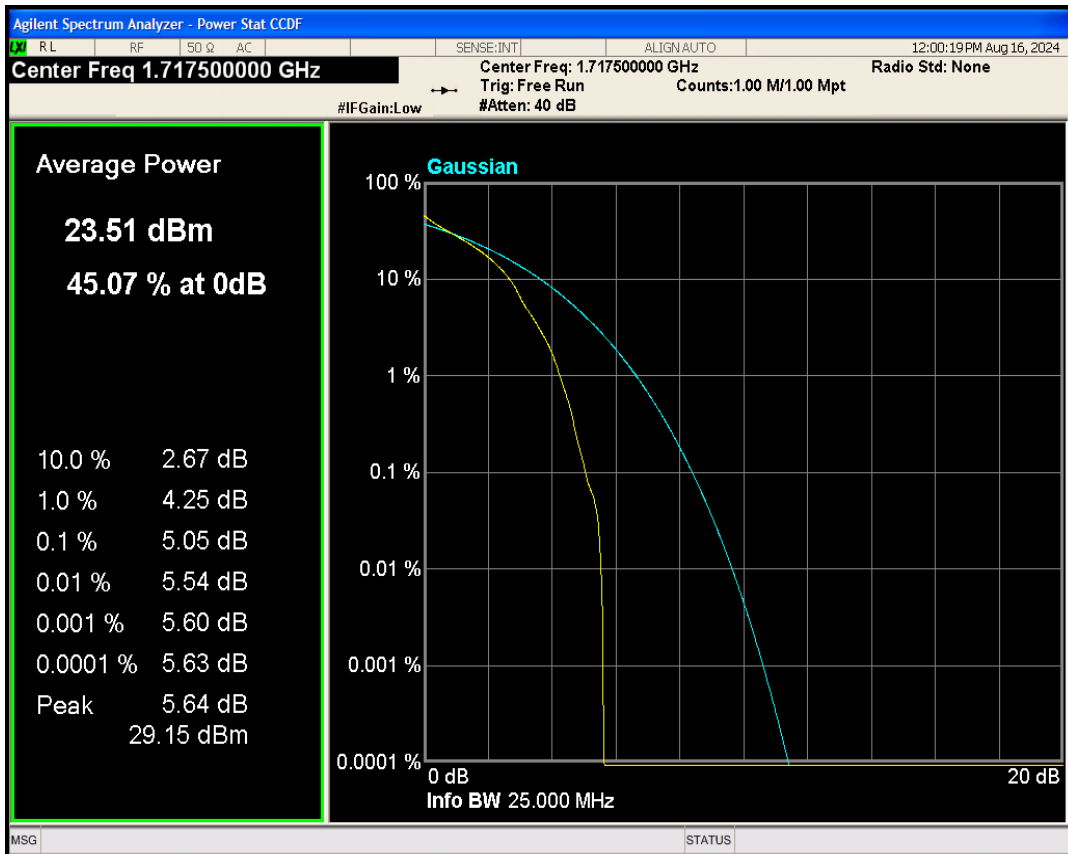
Band66 QPSK BW=10MHz Channel=132322 RB Size=1 Position=#0



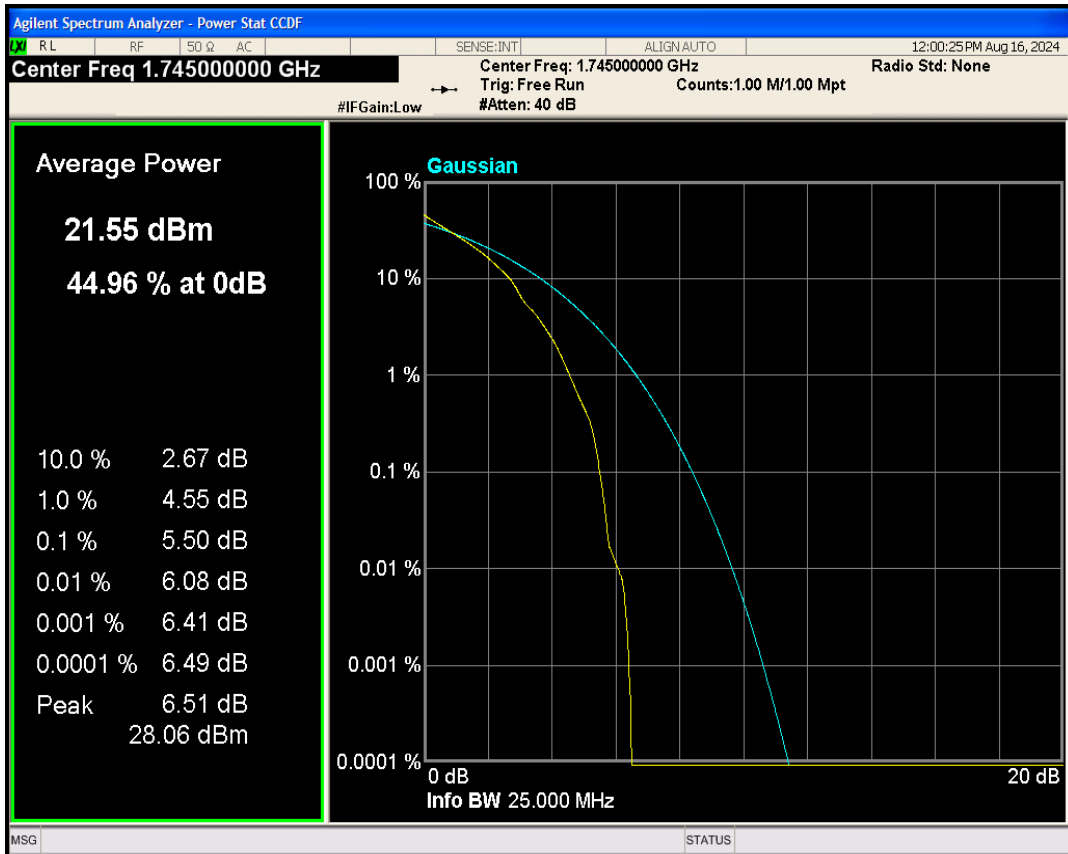
Band66 QPSK BW=10MHz Channel=132622 RB Size=1 Position=#0



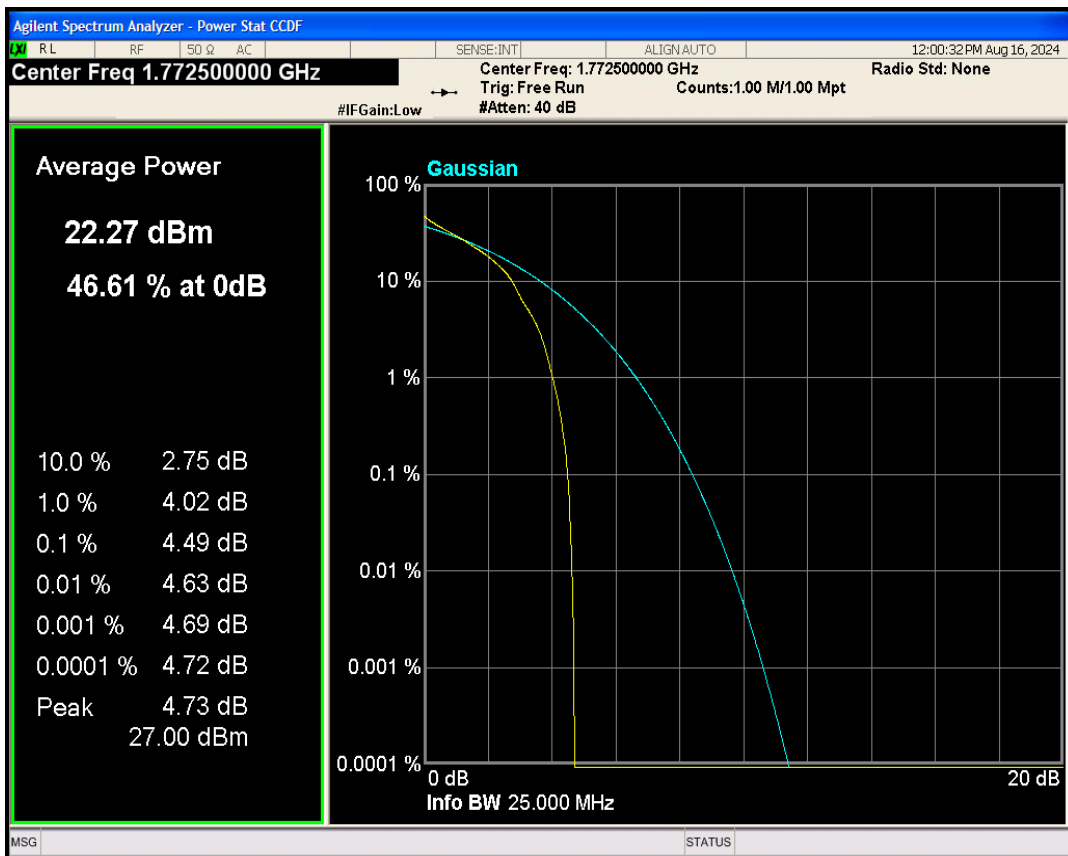
Band66 QPSK BW=15MHz Channel=132047 RB Size=1 Position=#0



Band66 QPSK BW=15MHz Channel=132322 RB Size=1 Position=#0

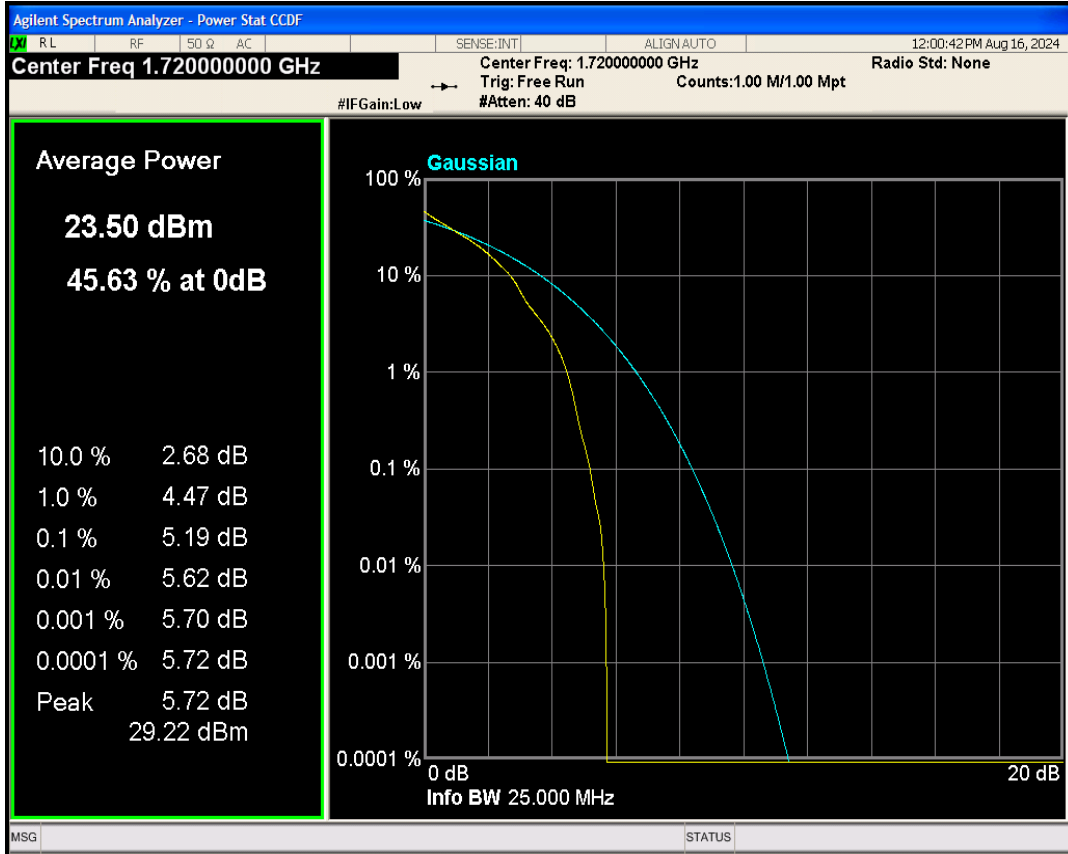


Band66 QPSK BW=15MHz Channel=132597 RB Size=1 Position=#0

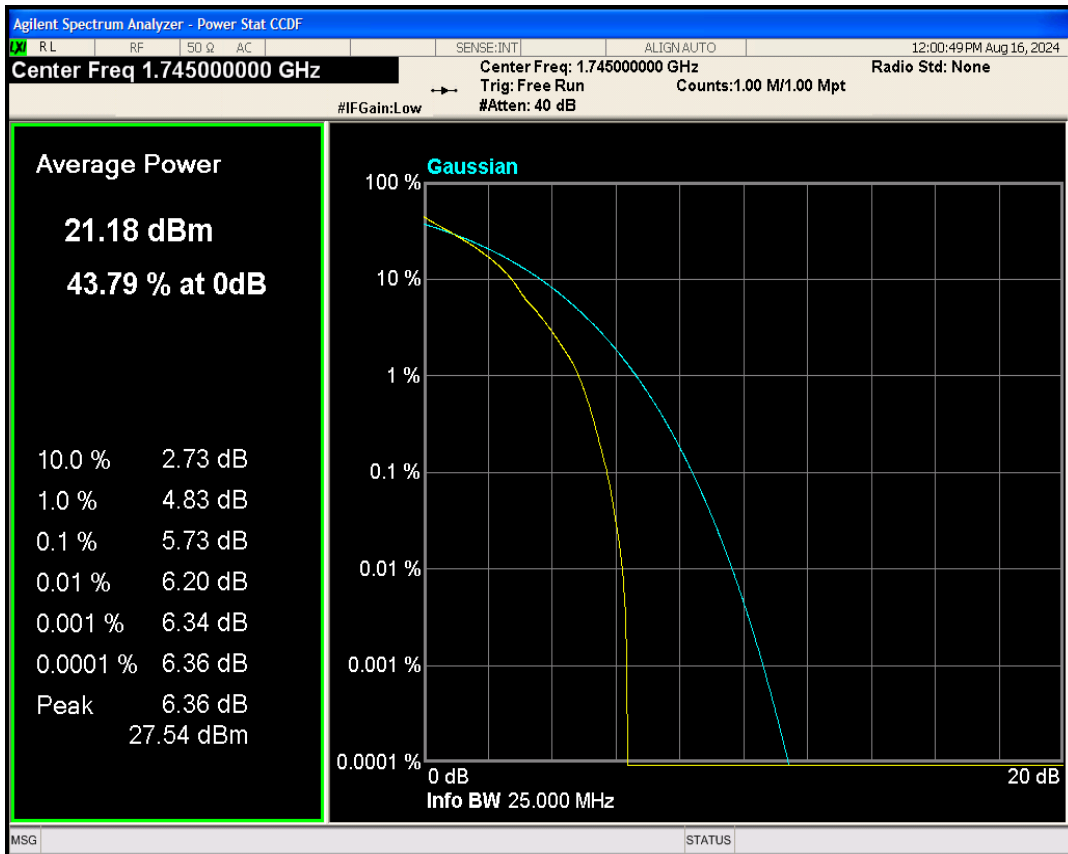


Band66 QPSK BW=20MHz Channel=132072 RB Size=1 Position=#0

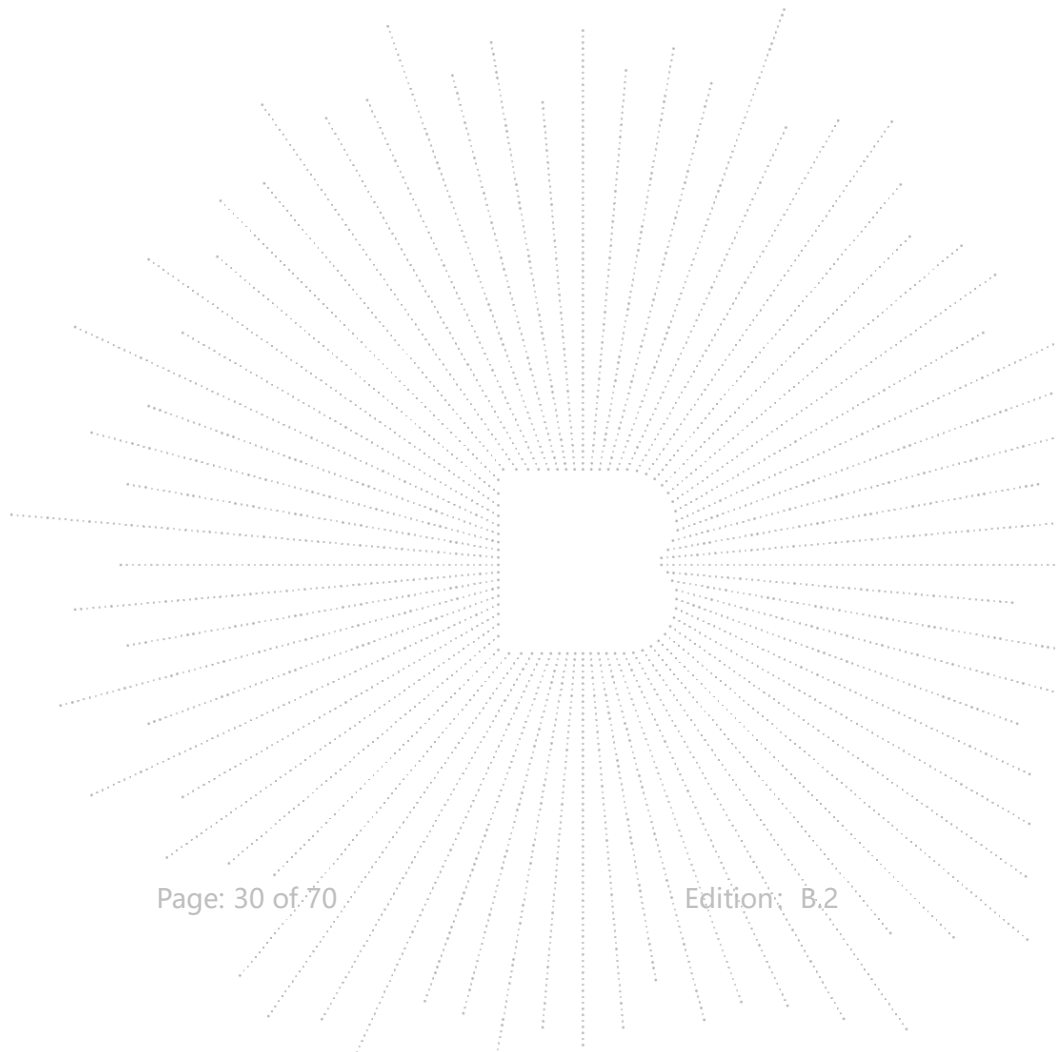
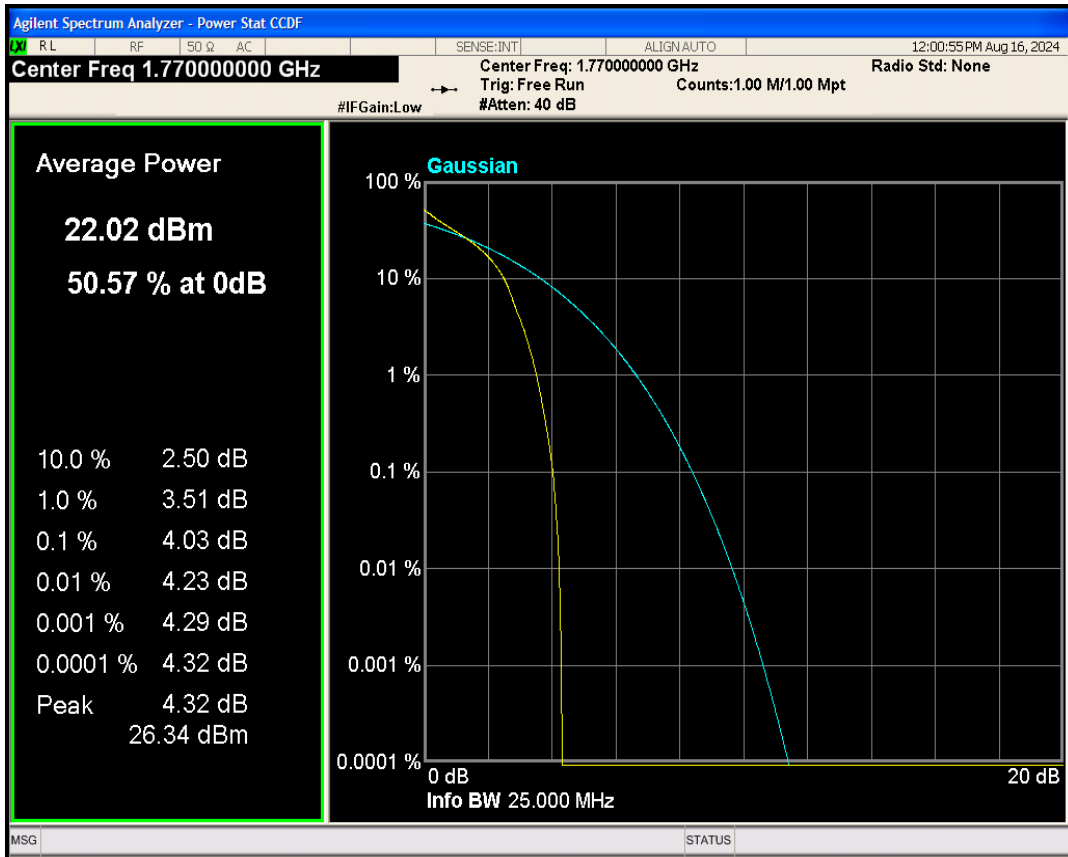




Band66 QPSK BW=20MHz Channel=132322 RB Size=1 Position=#0



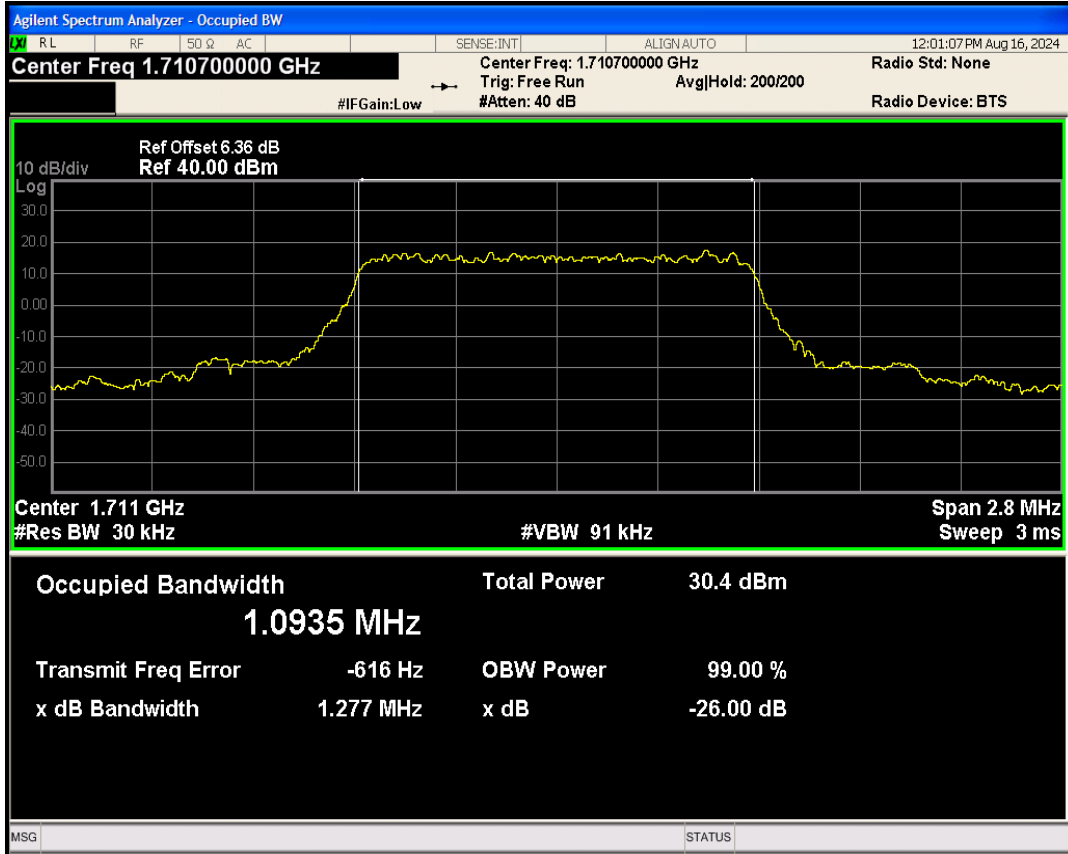
Band66 QPSK BW=20MHz Channel=132572 RB Size=1 Position=#0



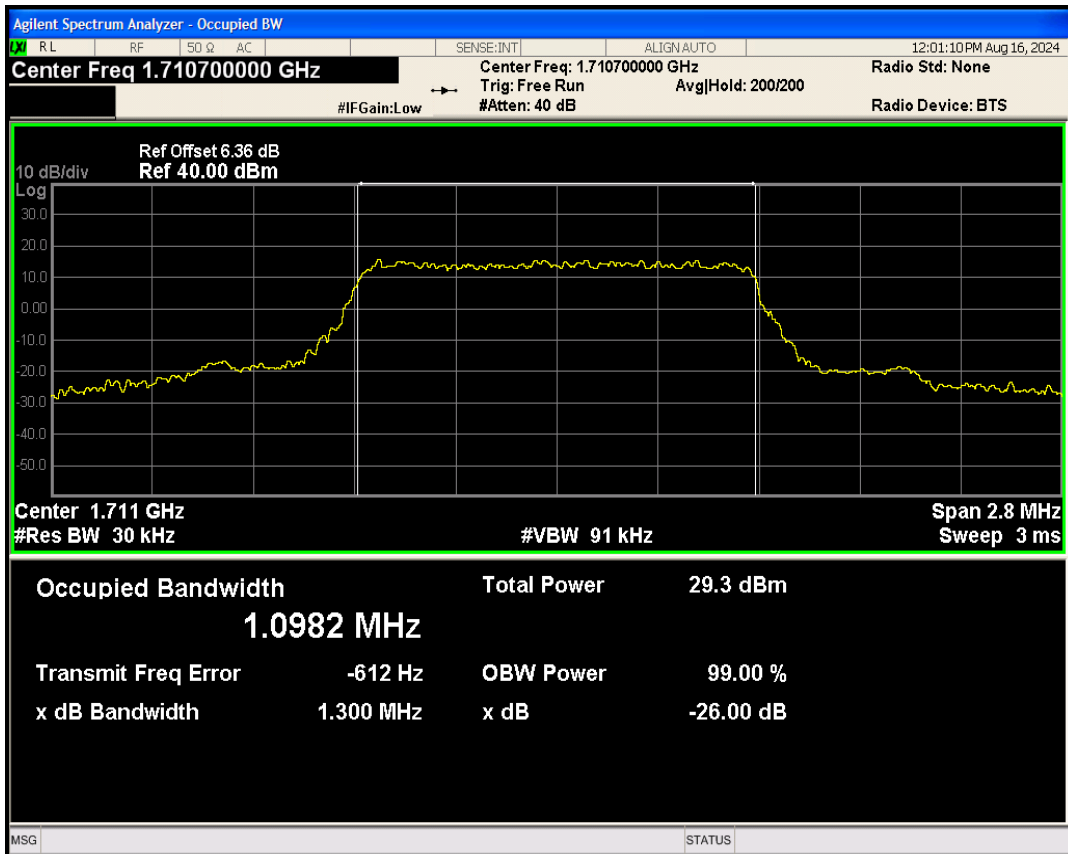
## Appendix 4. Occupied bandwidth

| Band   | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | 99% OBW (MHz) | -26dB EBW (MHz) | Verdict |
|--------|-----------------|------------|---------|-------------|------------|---------------|-----------------|---------|
| Band66 | 1.4             | 131979     | 6       | #0          | QPSK       | 1.094         | 1.277           | PASS    |
| Band66 | 1.4             | 131979     | 6       | #0          | 16QAM      | 1.098         | 1.300           | PASS    |
| Band66 | 1.4             | 132322     | 6       | #0          | QPSK       | 1.093         | 1.308           | PASS    |
| Band66 | 1.4             | 132322     | 6       | #0          | 16QAM      | 1.097         | 1.288           | PASS    |
| Band66 | 1.4             | 132665     | 6       | #0          | QPSK       | 1.095         | 1.313           | PASS    |
| Band66 | 1.4             | 132665     | 6       | #0          | 16QAM      | 1.096         | 1.306           | PASS    |
| Band66 | 3               | 131987     | 15      | #0          | QPSK       | 2.696         | 2.975           | PASS    |
| Band66 | 3               | 131987     | 15      | #0          | 16QAM      | 2.709         | 3.001           | PASS    |
| Band66 | 3               | 132322     | 15      | #0          | QPSK       | 2.705         | 2.947           | PASS    |
| Band66 | 3               | 132322     | 15      | #0          | 16QAM      | 2.697         | 2.962           | PASS    |
| Band66 | 3               | 132657     | 15      | #0          | QPSK       | 2.709         | 3.003           | PASS    |
| Band66 | 3               | 132657     | 15      | #0          | 16QAM      | 2.690         | 2.957           | PASS    |
| Band66 | 5               | 131997     | 25      | #0          | QPSK       | 4.523         | 5.069           | PASS    |
| Band66 | 5               | 131997     | 25      | #0          | 16QAM      | 4.522         | 5.405           | PASS    |
| Band66 | 5               | 132322     | 25      | #0          | QPSK       | 4.523         | 4.961           | PASS    |
| Band66 | 5               | 132322     | 25      | #0          | 16QAM      | 4.523         | 5.038           | PASS    |
| Band66 | 5               | 132647     | 25      | #0          | QPSK       | 4.525         | 5.157           | PASS    |
| Band66 | 5               | 132647     | 25      | #0          | 16QAM      | 4.531         | 5.353           | PASS    |
| Band66 | 10              | 132022     | 50      | #0          | QPSK       | 8.997         | 10.160          | PASS    |
| Band66 | 10              | 132322     | 50      | #0          | QPSK       | 8.982         | 10.175          | PASS    |
| Band66 | 10              | 132622     | 50      | #0          | QPSK       | 8.959         | 10.159          | PASS    |
| Band66 | 15              | 132047     | 75      | #0          | QPSK       | 13.561        | 15.341          | PASS    |
| Band66 | 15              | 132322     | 75      | #0          | QPSK       | 13.470        | 15.025          | PASS    |
| Band66 | 15              | 132597     | 75      | #0          | QPSK       | 13.469        | 14.924          | PASS    |
| Band66 | 20              | 132072     | 100     | #0          | QPSK       | 17.948        | 19.706          | PASS    |
| Band66 | 20              | 132322     | 100     | #0          | QPSK       | 17.892        | 19.485          | PASS    |
| Band66 | 20              | 132572     | 100     | #0          | QPSK       | 17.898        | 19.468          | PASS    |

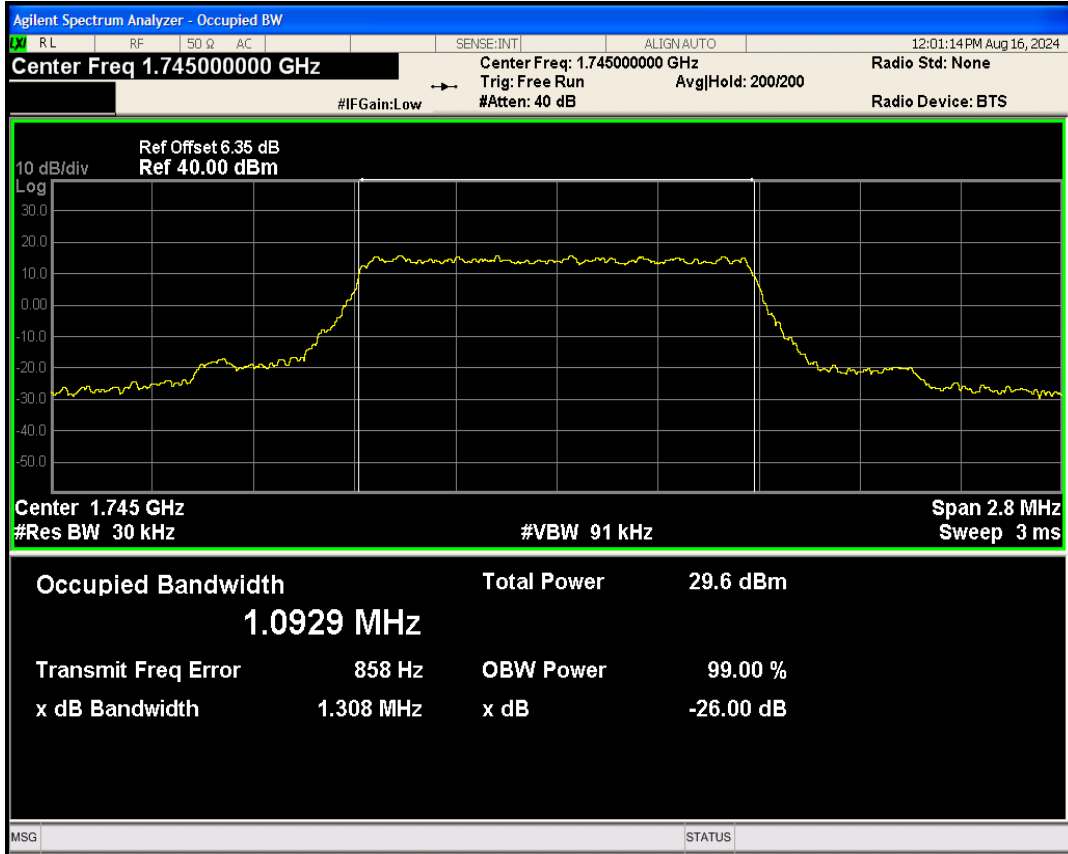
Band66 QPSK BW=1.4MHz Channel=131979 RB Size=6 Position=#0



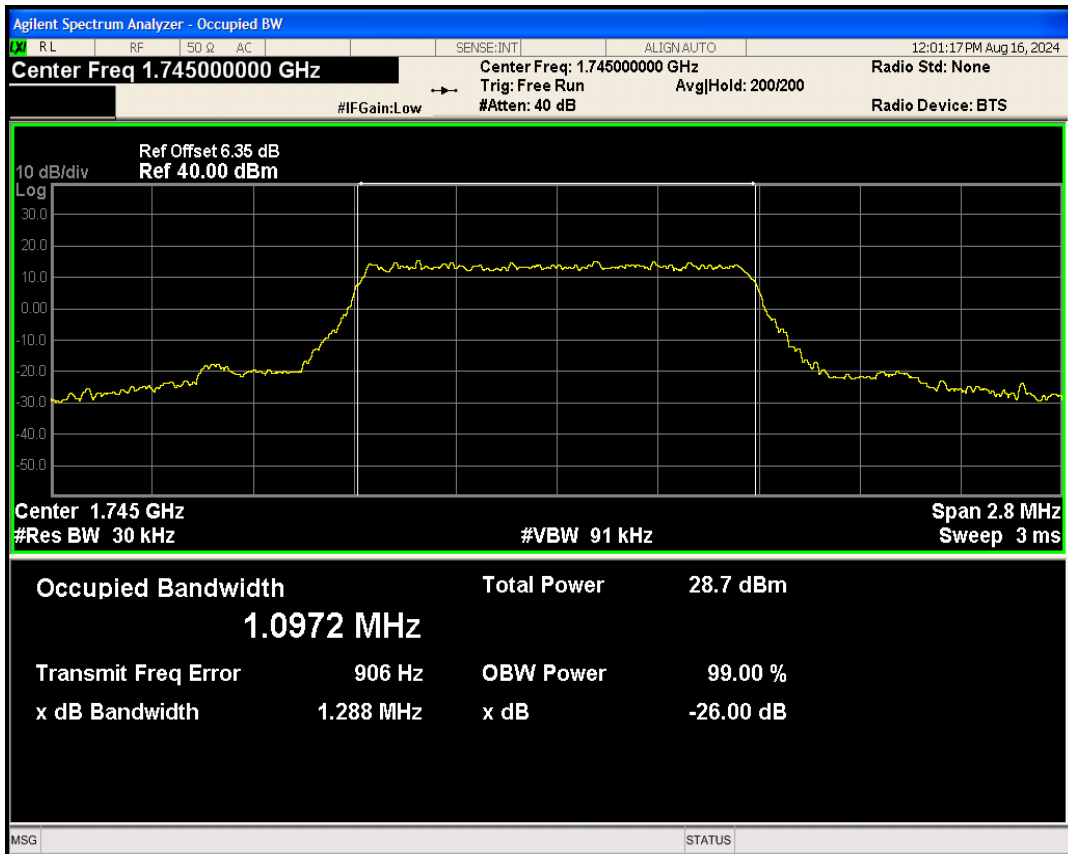
Band66 16QAM BW=1.4MHz Channel=131979 RB Size=6 Position=#0



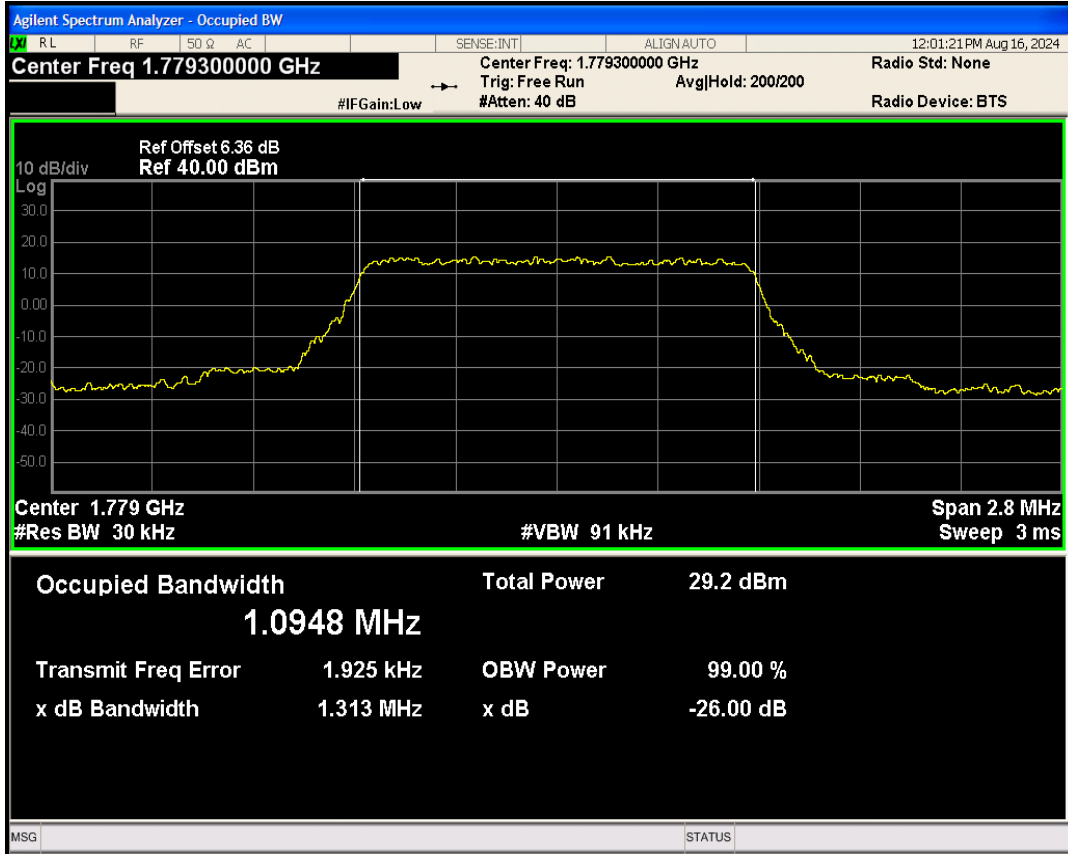
Band66 QPSK BW=1.4MHz Channel=132322 RB Size=6 Position=#0



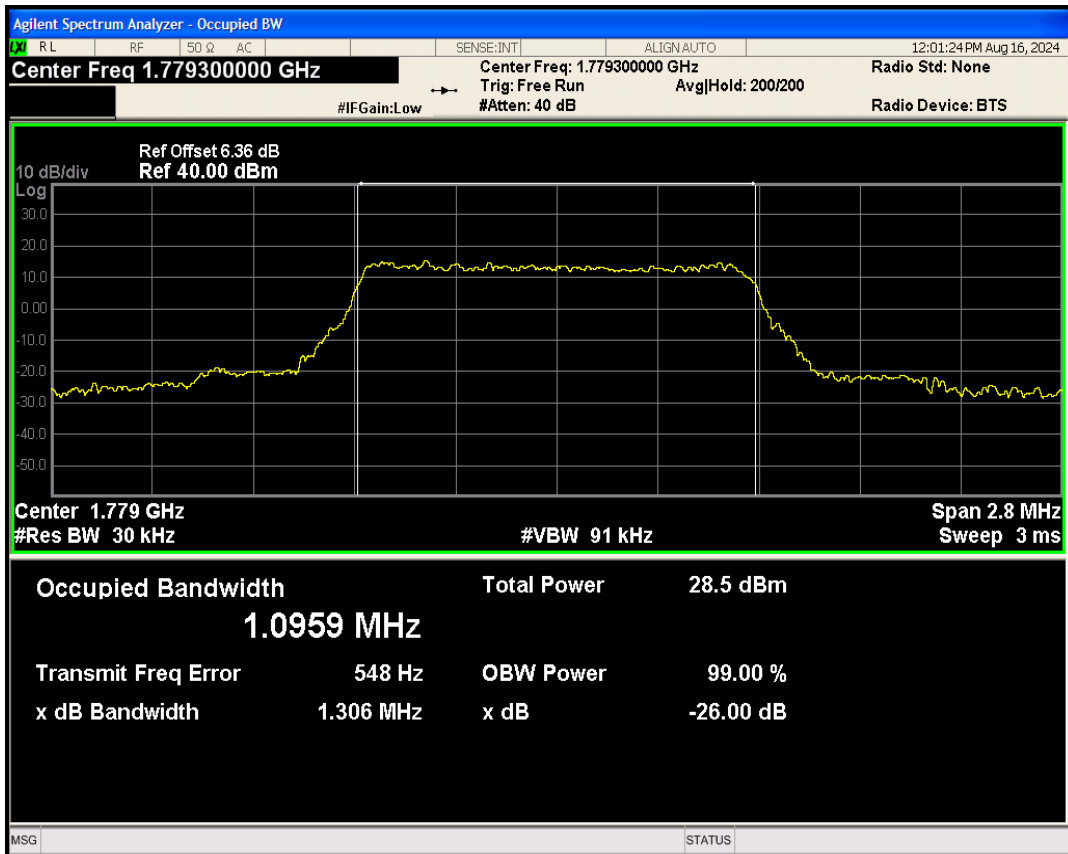
Band66 16QAM BW=1.4MHz Channel=132322 RB Size=6 Position=#0



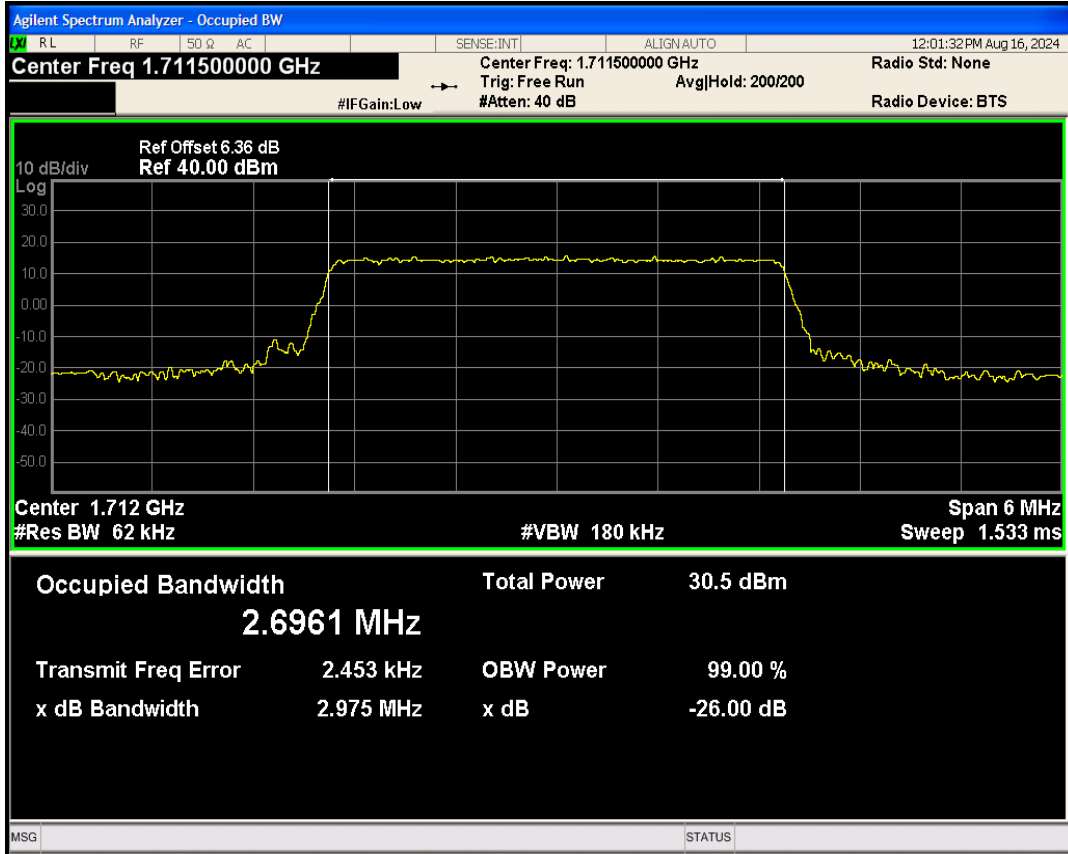
Band66 QPSK BW=1.4MHz Channel=132665 RB Size=6 Position=#0



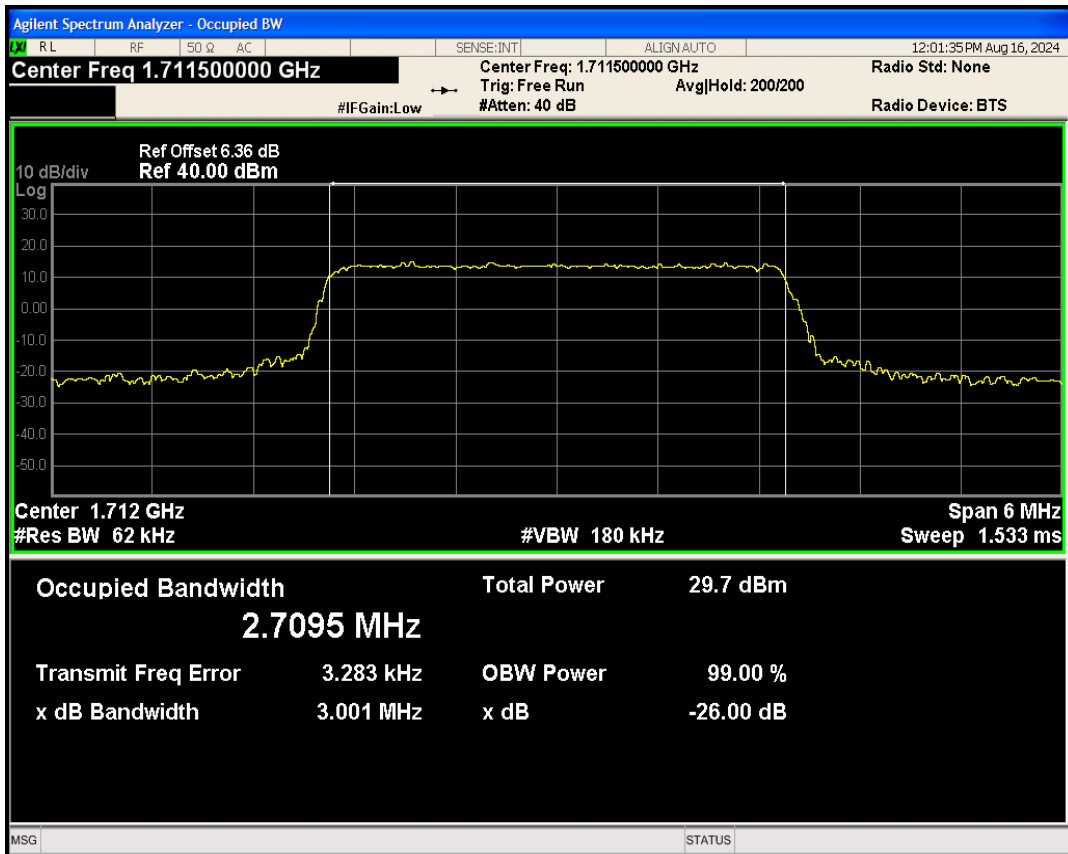
Band66 16QAM BW=1.4MHz Channel=132665 RB Size=6 Position=#0



Band66 QPSK BW=3MHz Channel=131987 RB Size=15 Position=#0

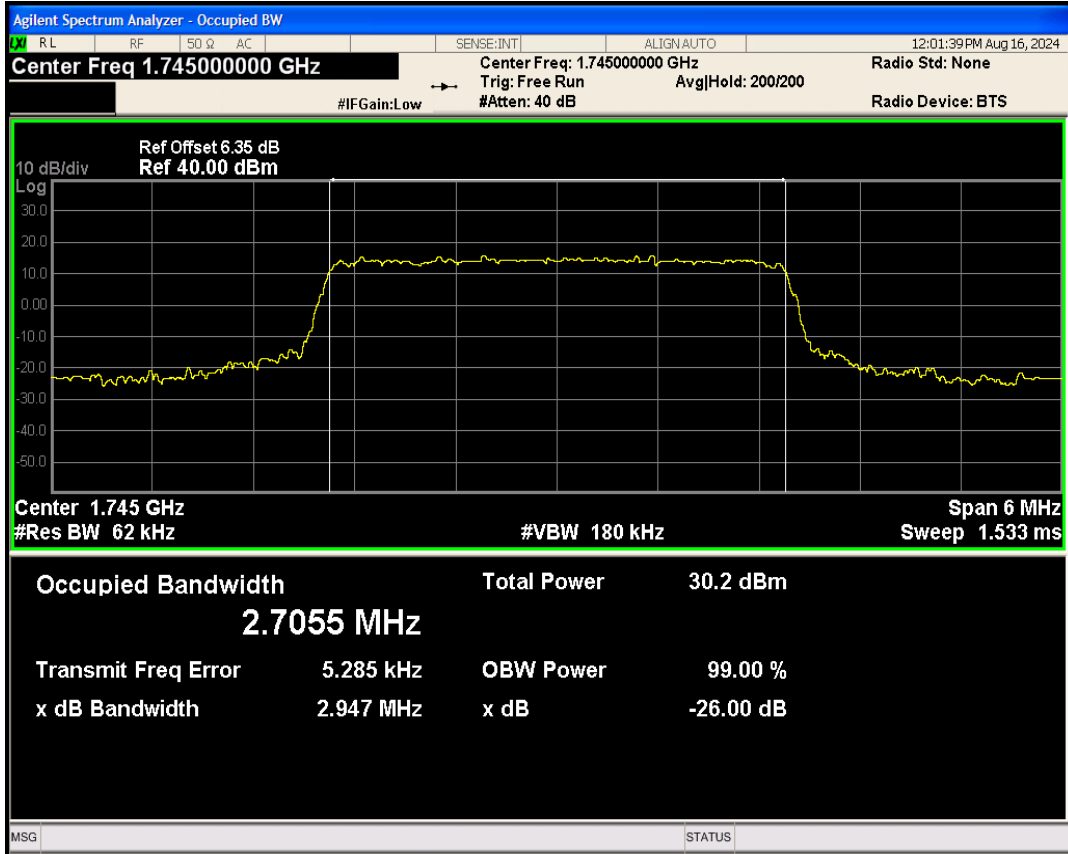


Band66 16QAM BW=3MHz Channel=131987 RB Size=15 Position=#0

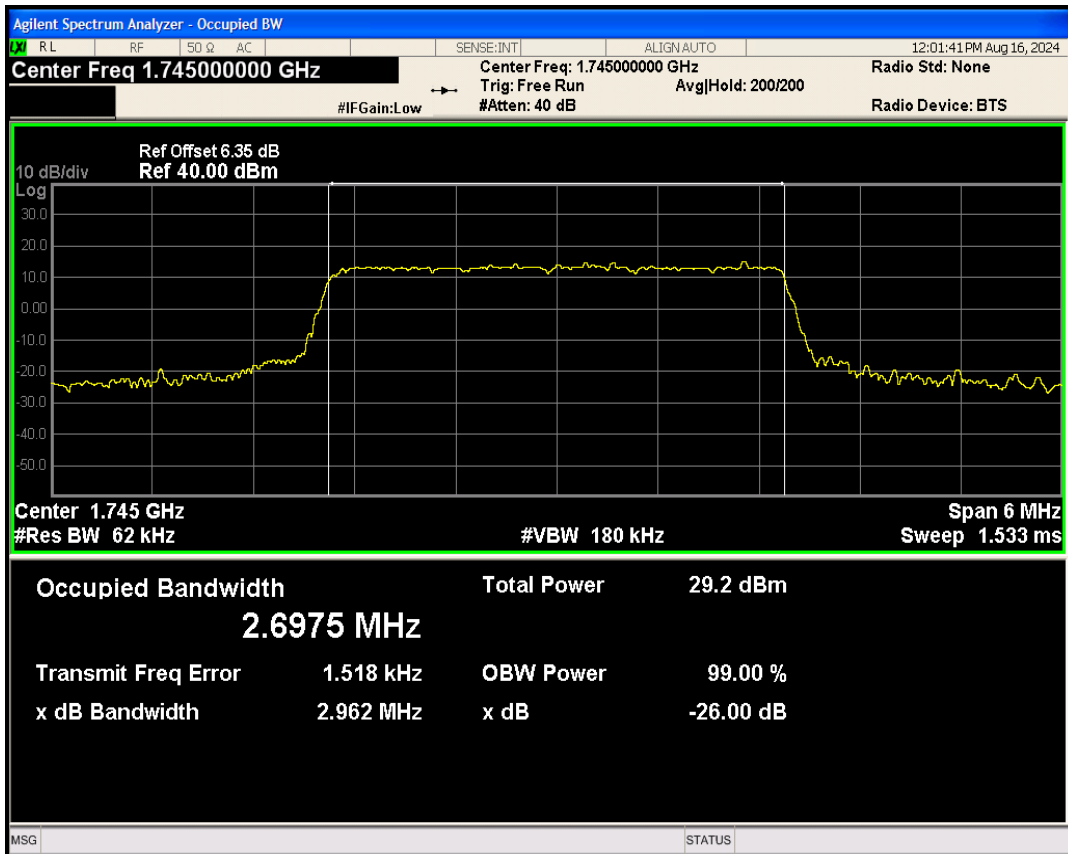


Band66 QPSK BW=3MHz Channel=132322 RB Size=15 Position=#0

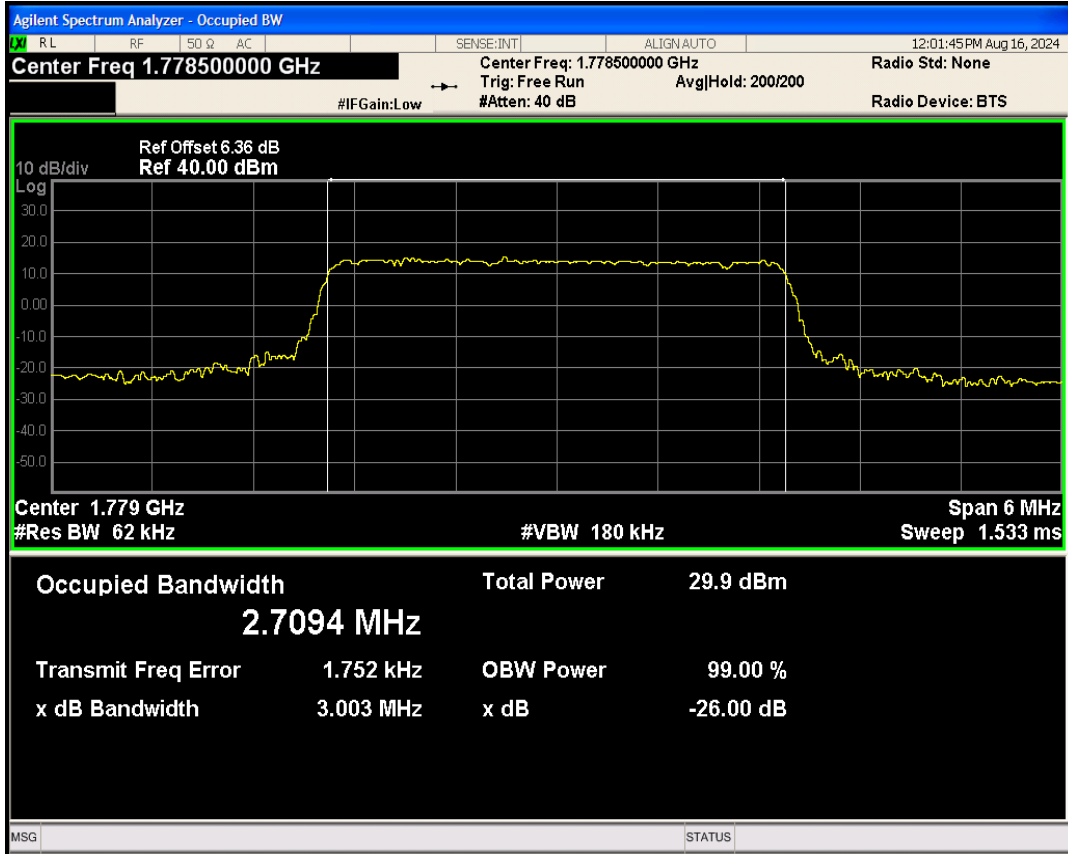




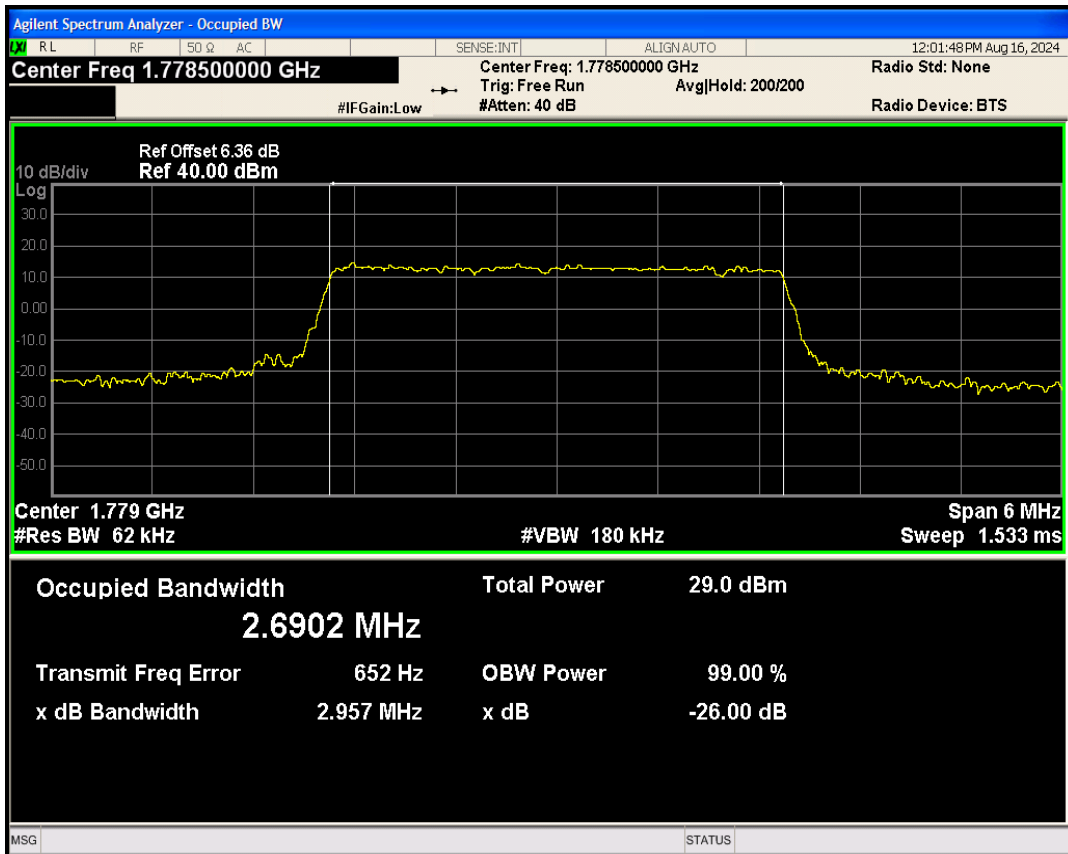
Band66 16QAM BW=3MHz Channel=132322 RB Size=15 Position=#0



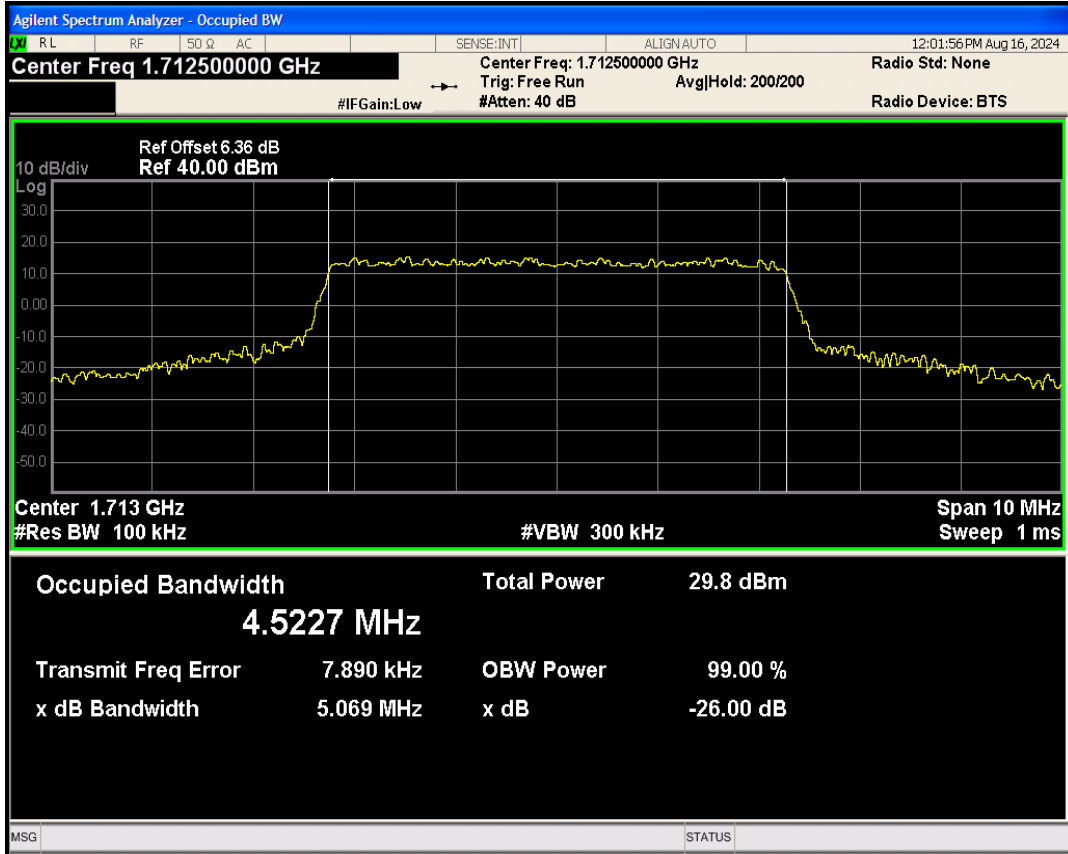
Band66 QPSK BW=3MHz Channel=132657 RB Size=15 Position=#0



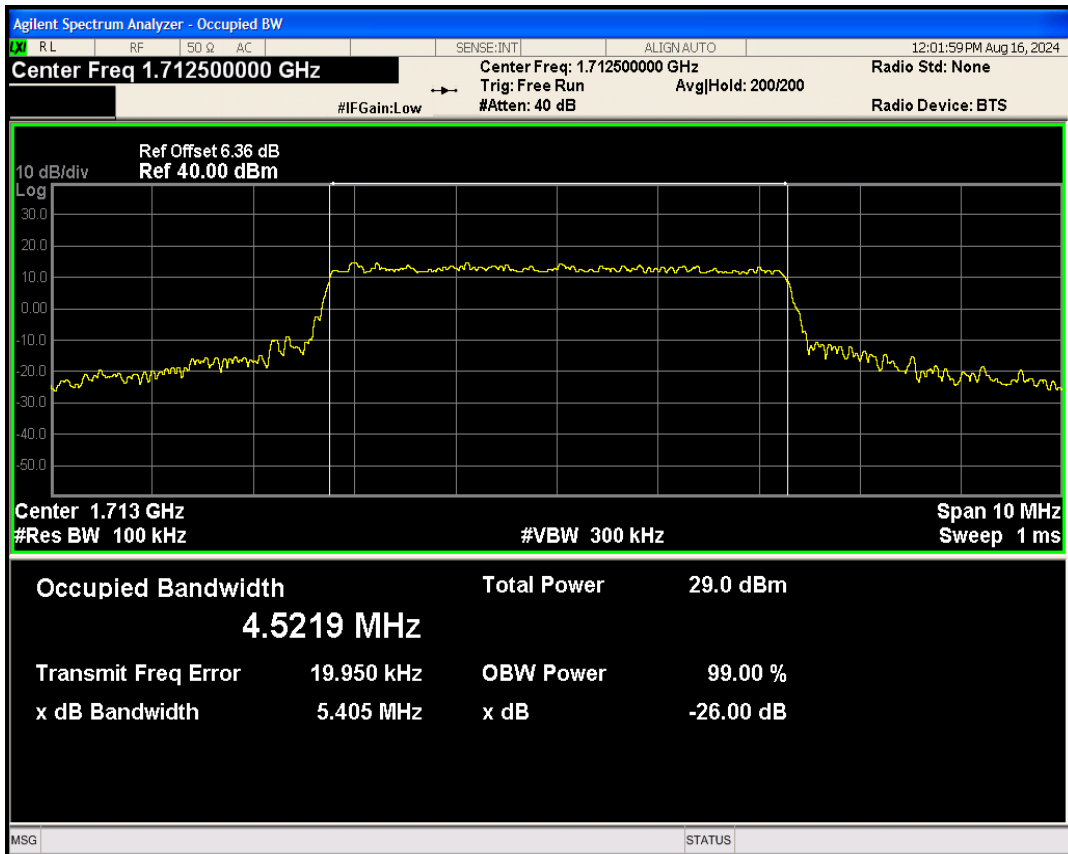
Band66 16QAM BW=3MHz Channel=132657 RB Size=15 Position=#0



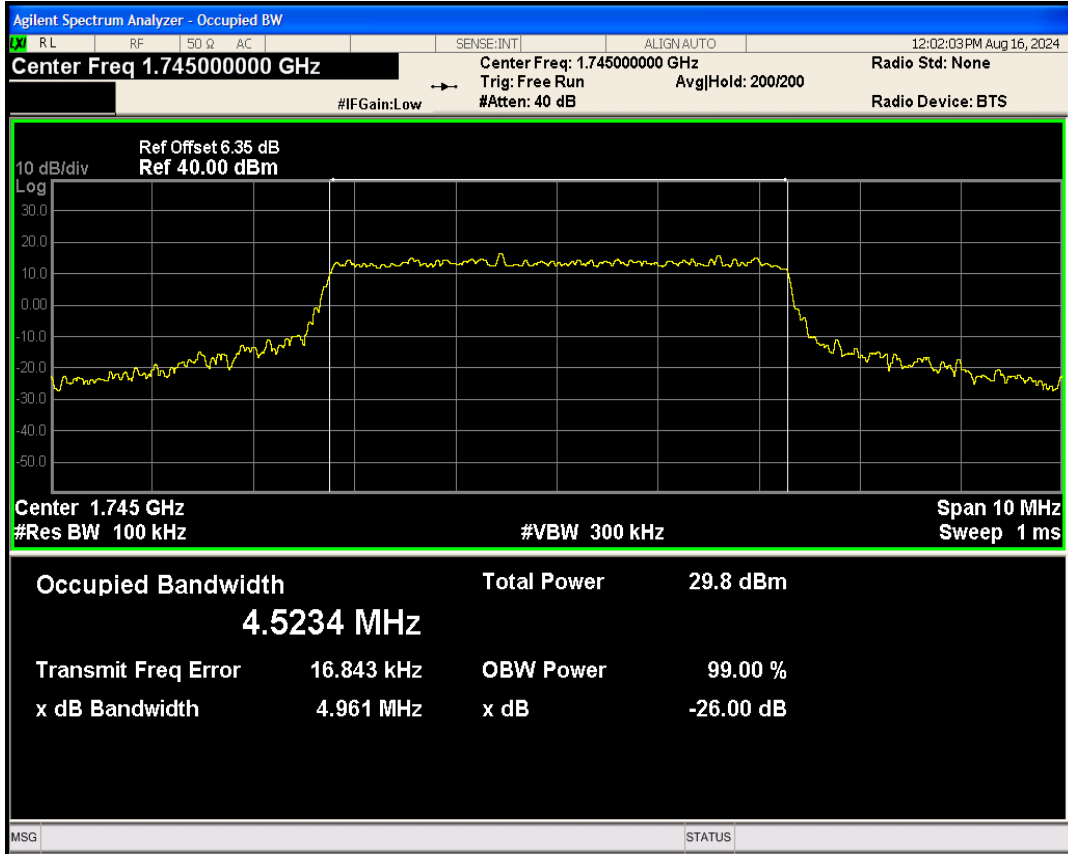
Band66 QPSK BW=5MHz Channel=131997 RB Size=25 Position=#0



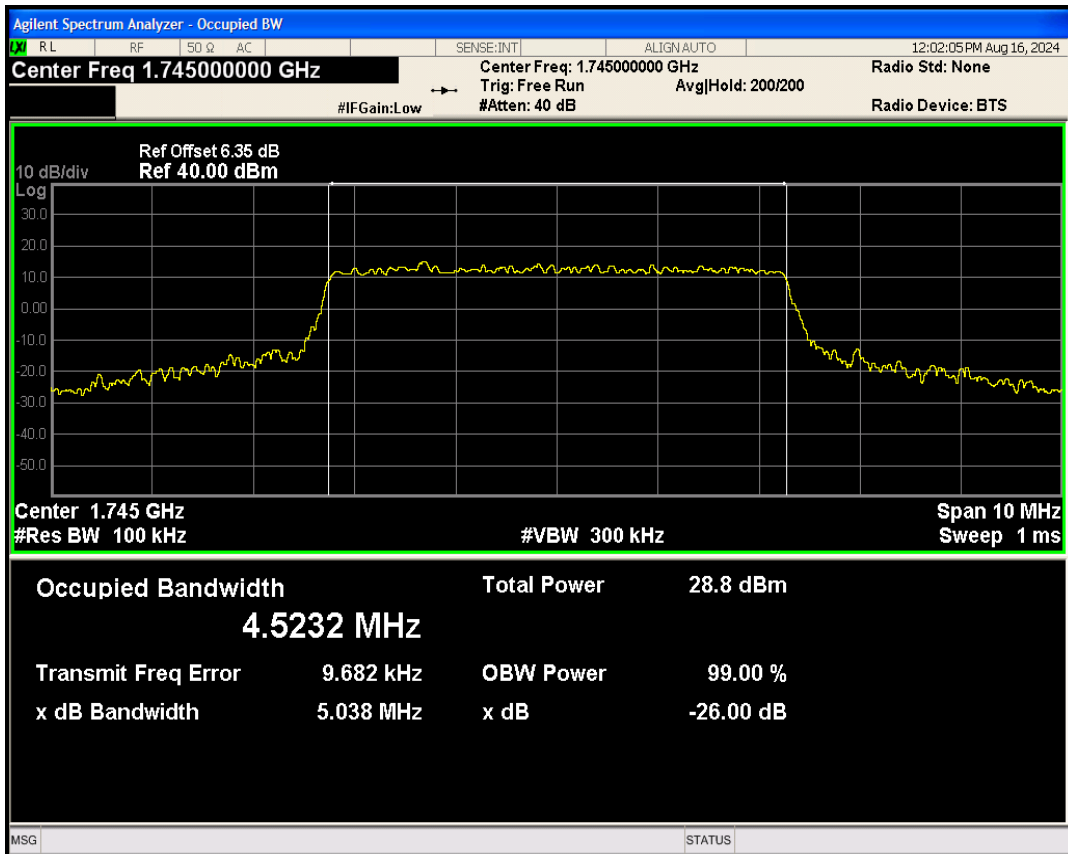
Band66 16QAM BW=5MHz Channel=131997 RB Size=25 Position=#0



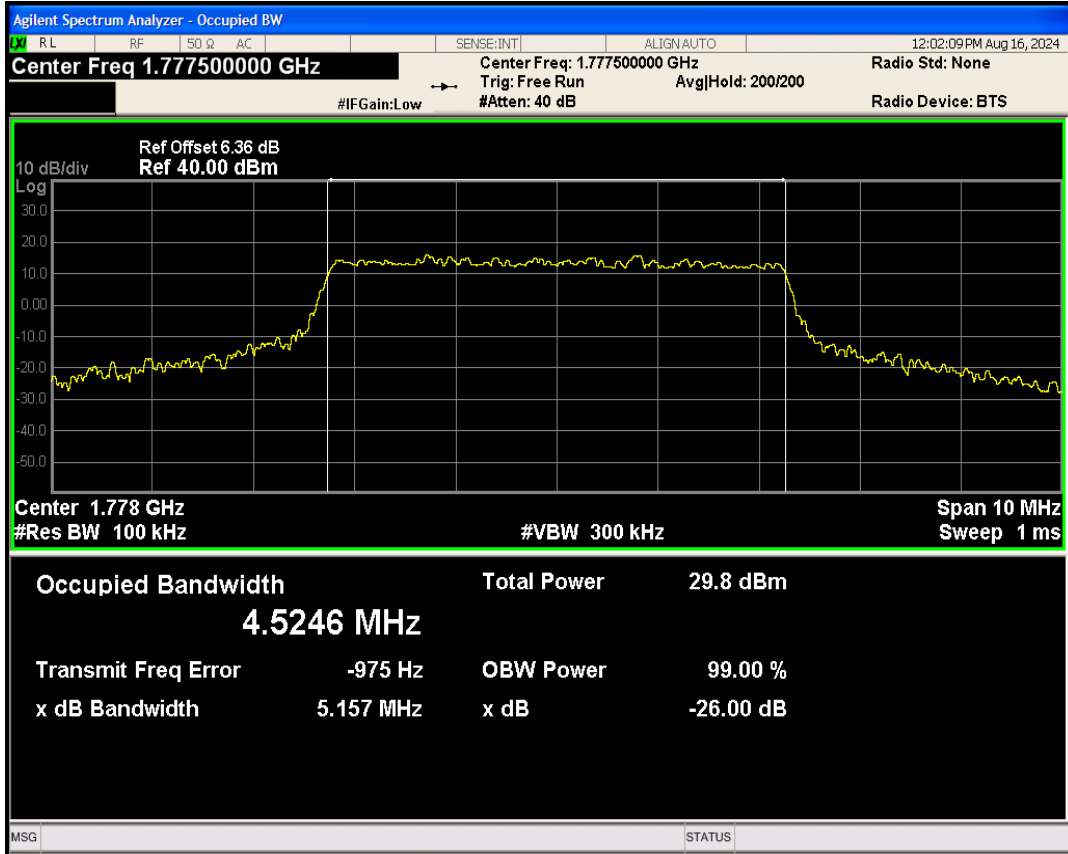
Band66 QPSK BW=5MHz Channel=132322 RB Size=25 Position=#0



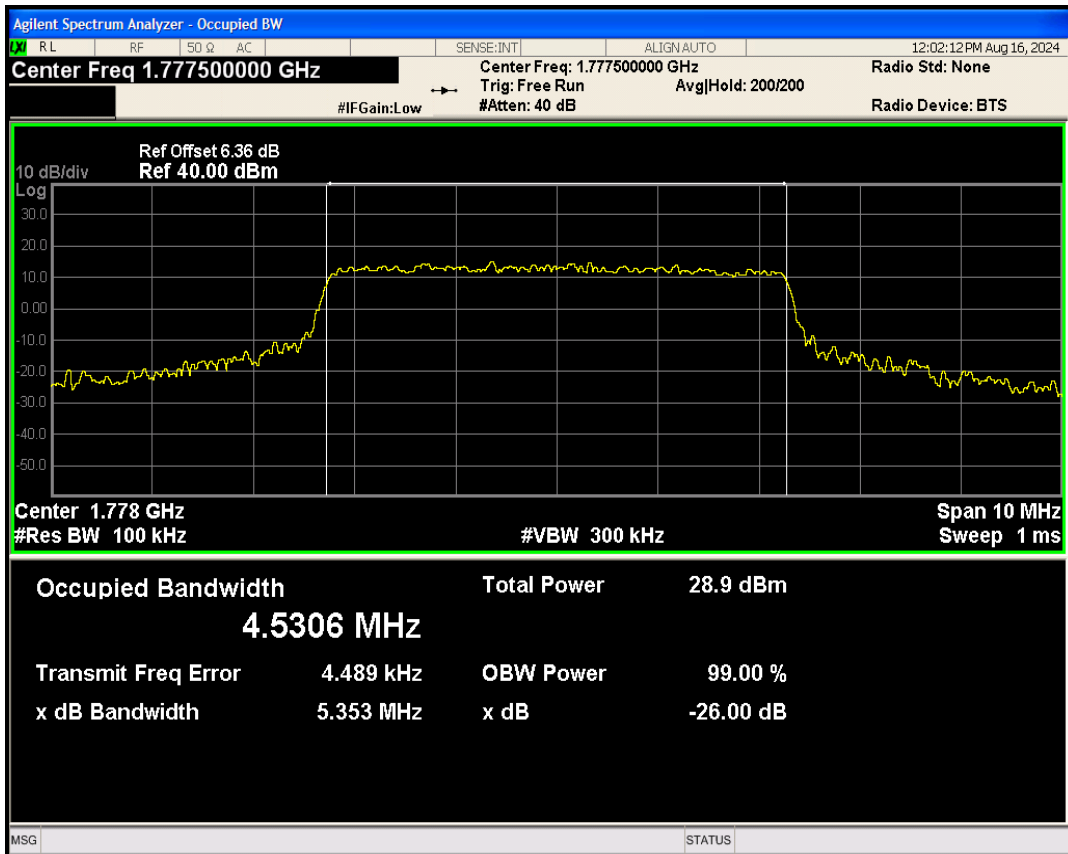
Band66 16QAM BW=5MHz Channel=132322 RB Size=25 Position=#0



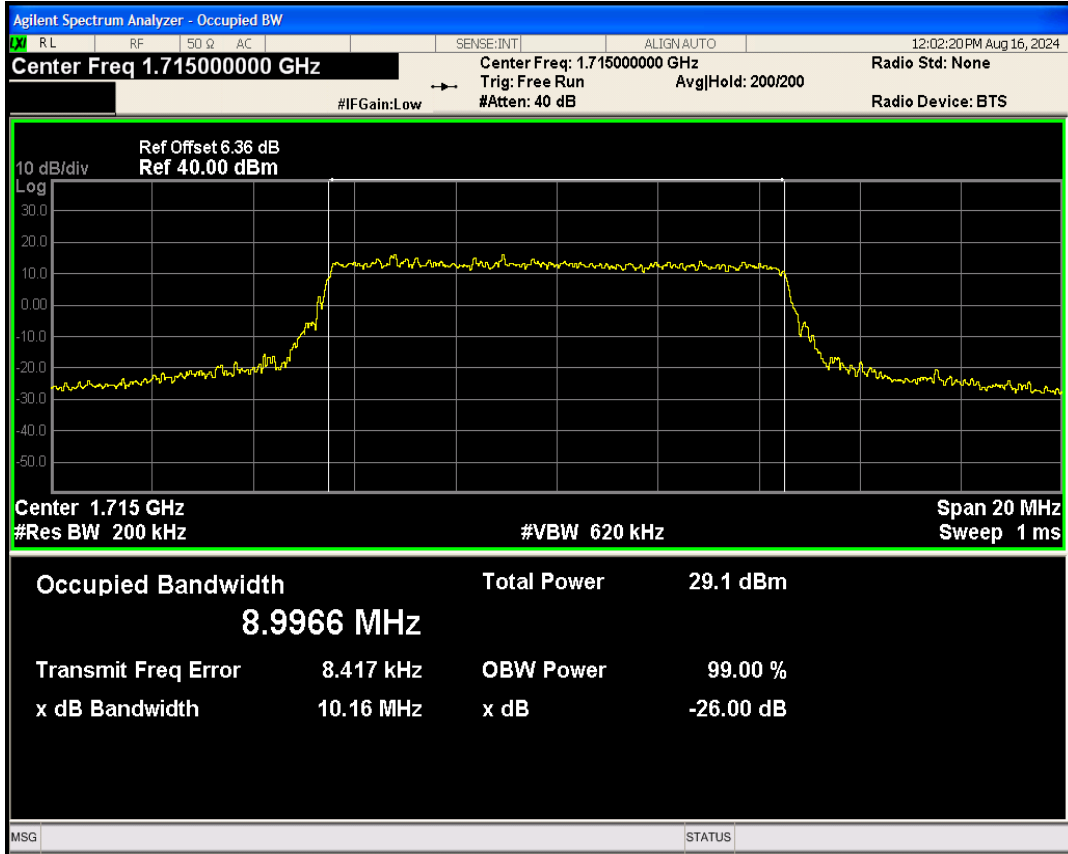
Band66 QPSK BW=5MHz Channel=132647 RB Size=25 Position=#0



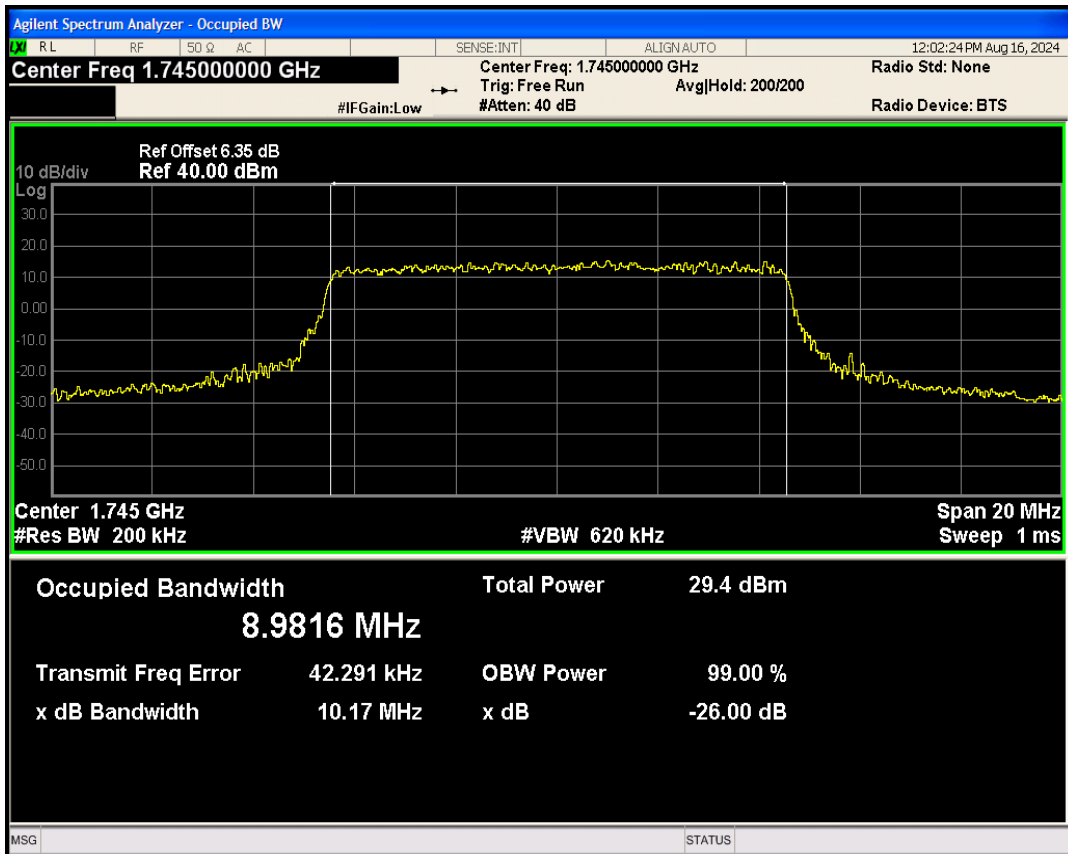
Band66 16QAM BW=5MHz Channel=132647 RB Size=25 Position=#0



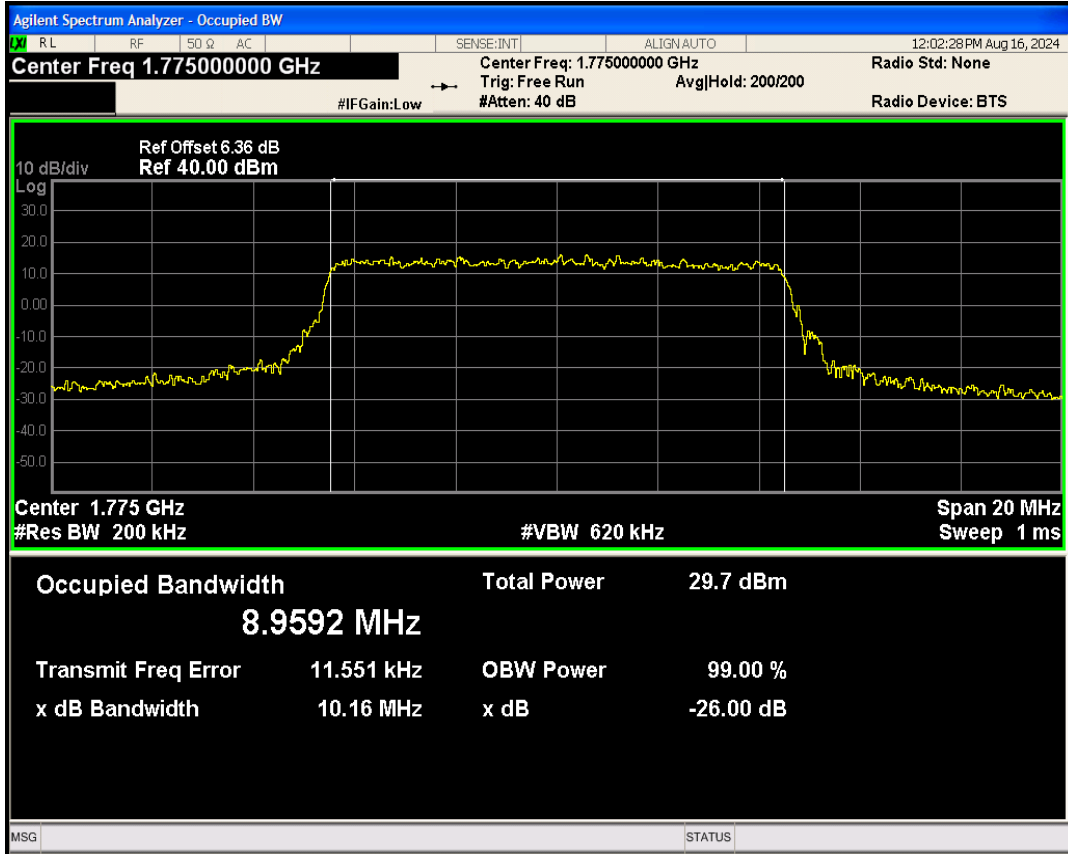
Band66 QPSK BW=10MHz Channel=132022 RB Size=50 Position=#0



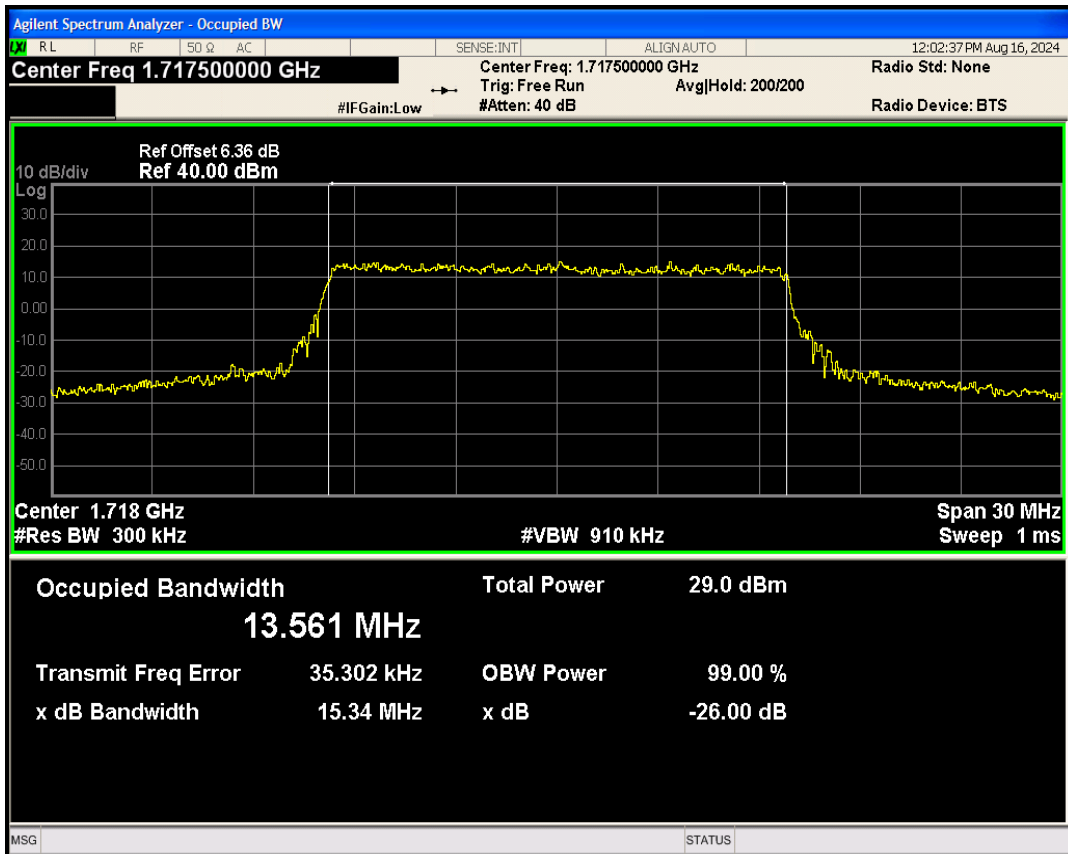
Band66 QPSK BW=10MHz Channel=132322 RB Size=50 Position=#0



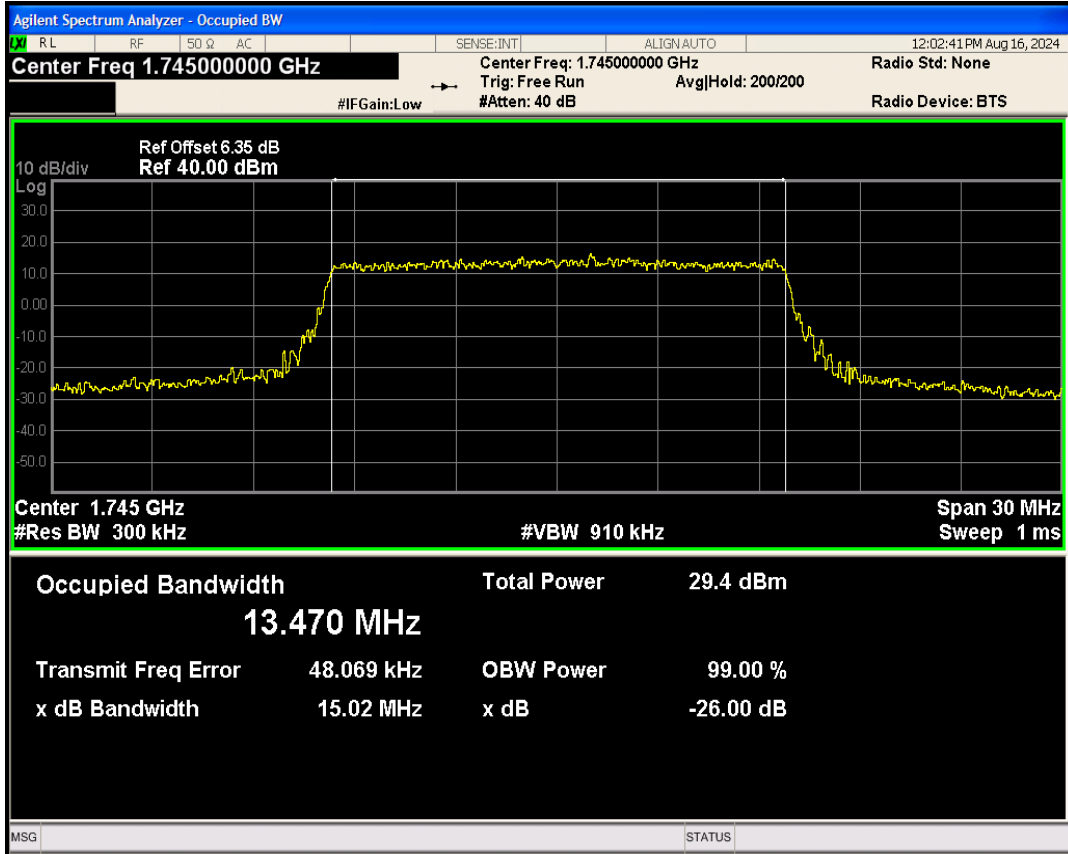
Band66 QPSK BW=10MHz Channel=132622 RB Size=50 Position=#0



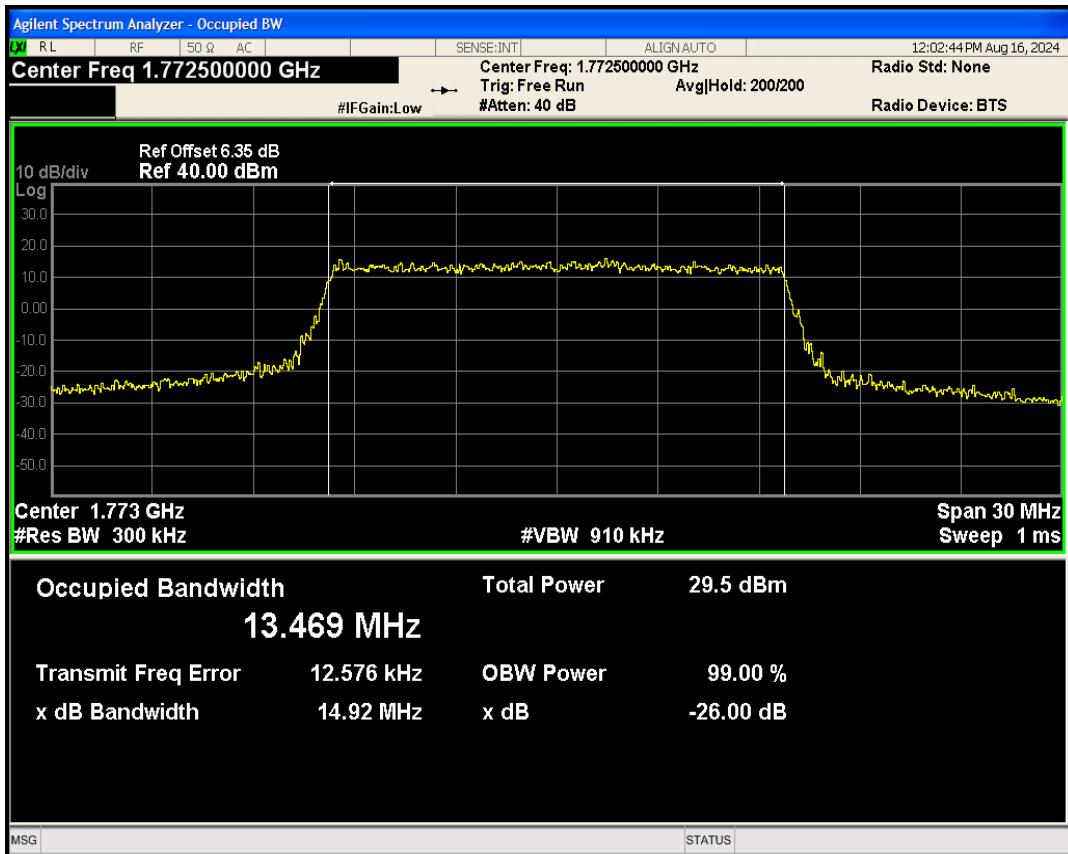
Band66 QPSK BW=15MHz Channel=132047 RB Size=75 Position=#0



Band66 QPSK BW=15MHz Channel=132322 RB Size=75 Position=#0

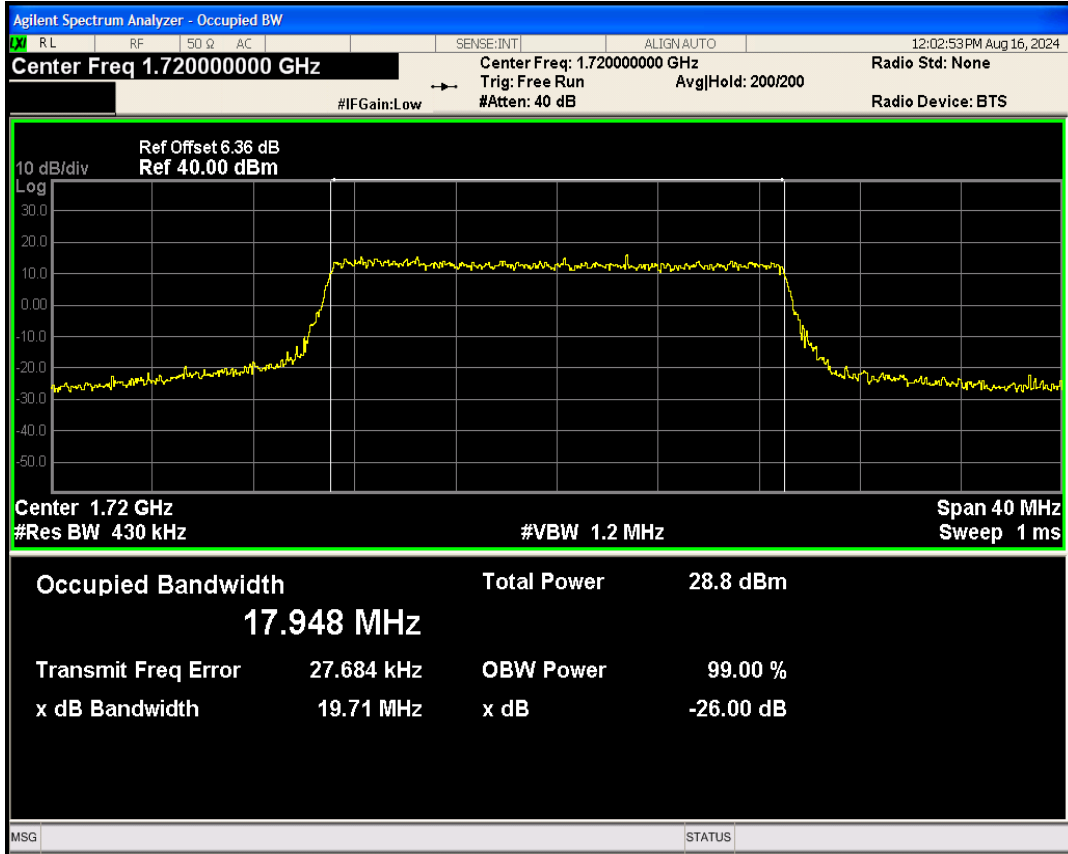


Band66 QPSK BW=15MHz Channel=132597 RB Size=75 Position=#0

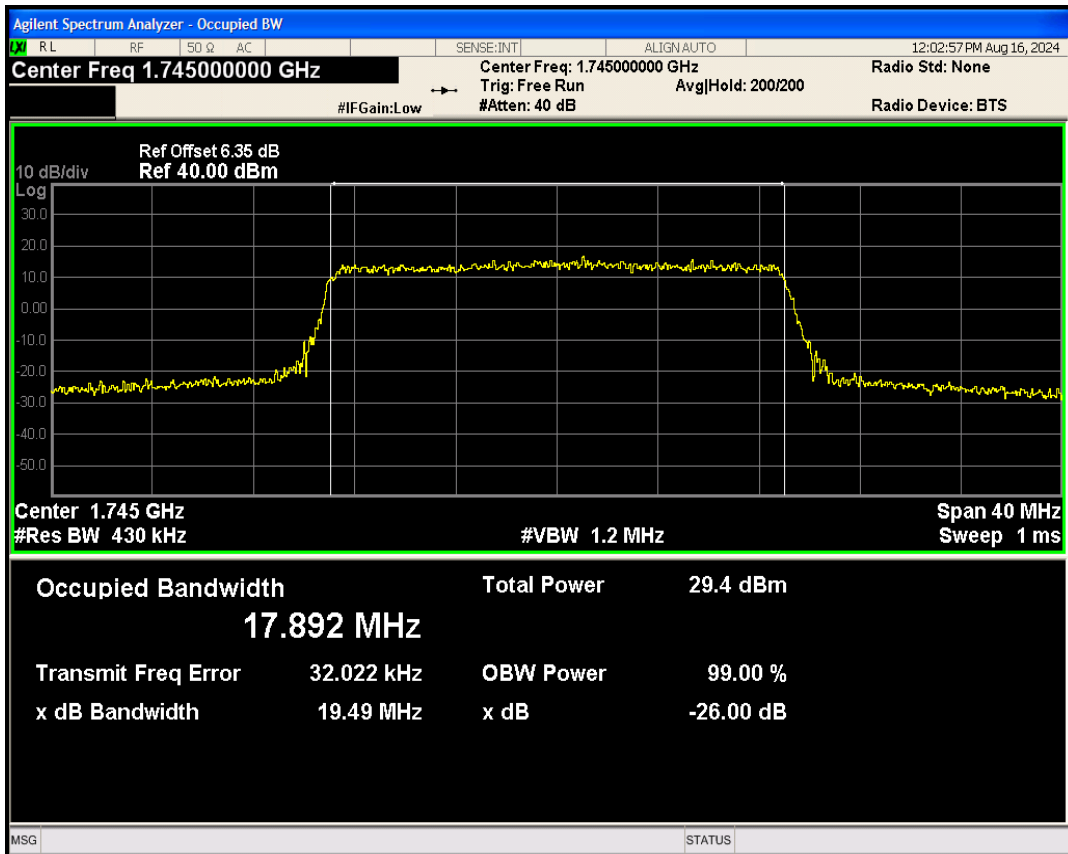


Band66 QPSK BW=20MHz Channel=132072 RB Size=100 Position=#0

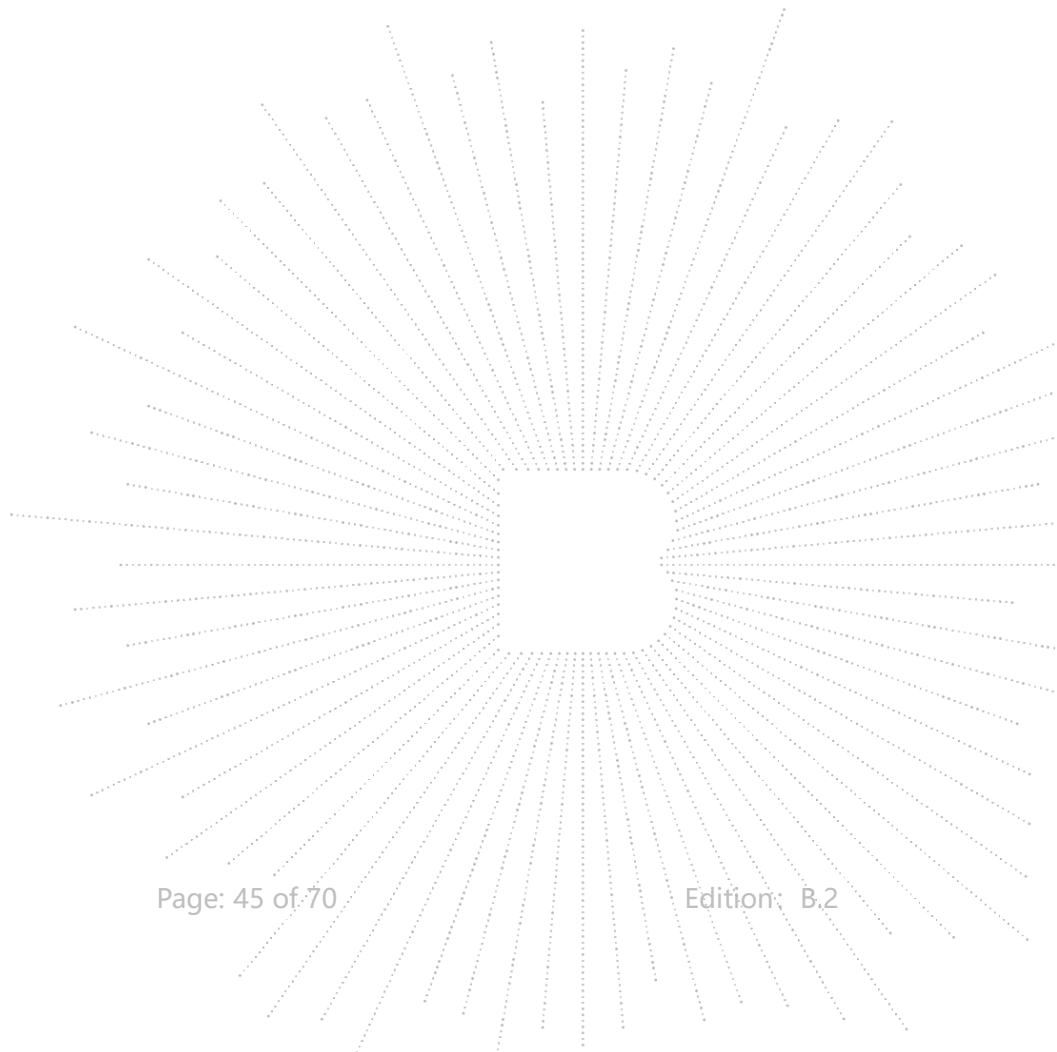
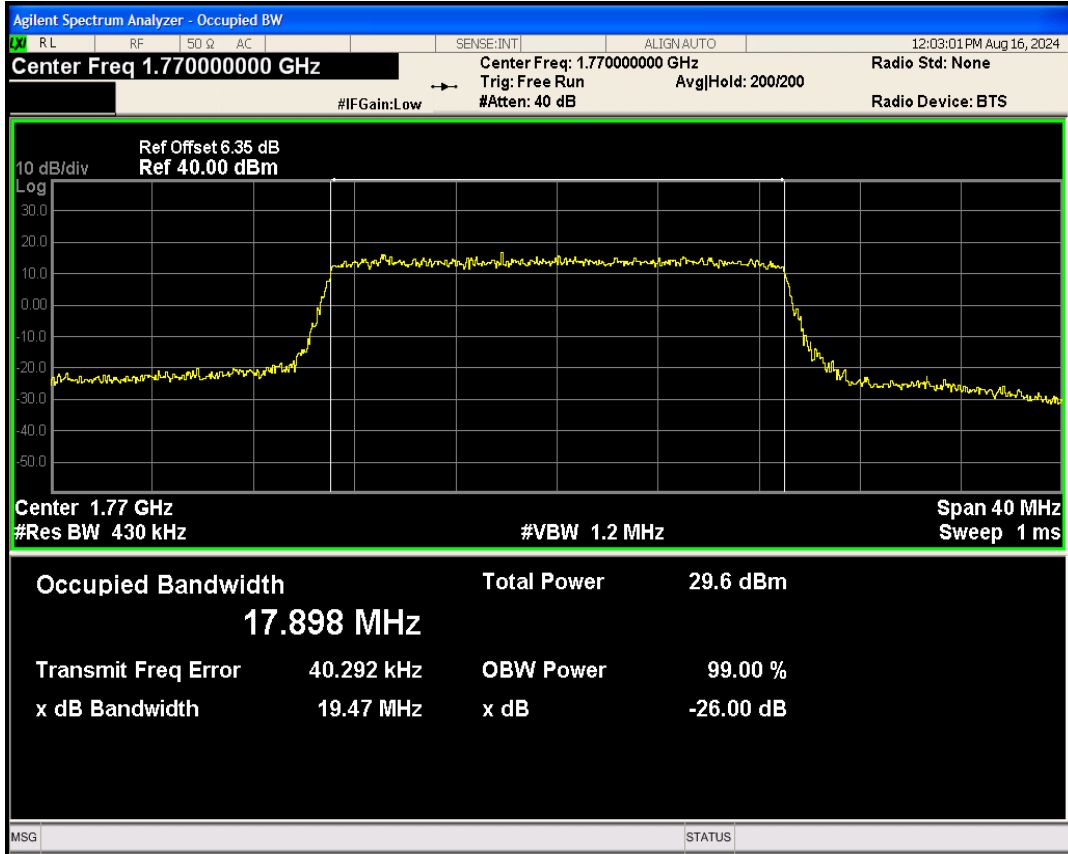




Band66 QPSK BW=20MHz Channel=132322 RB Size=100 Position=#0



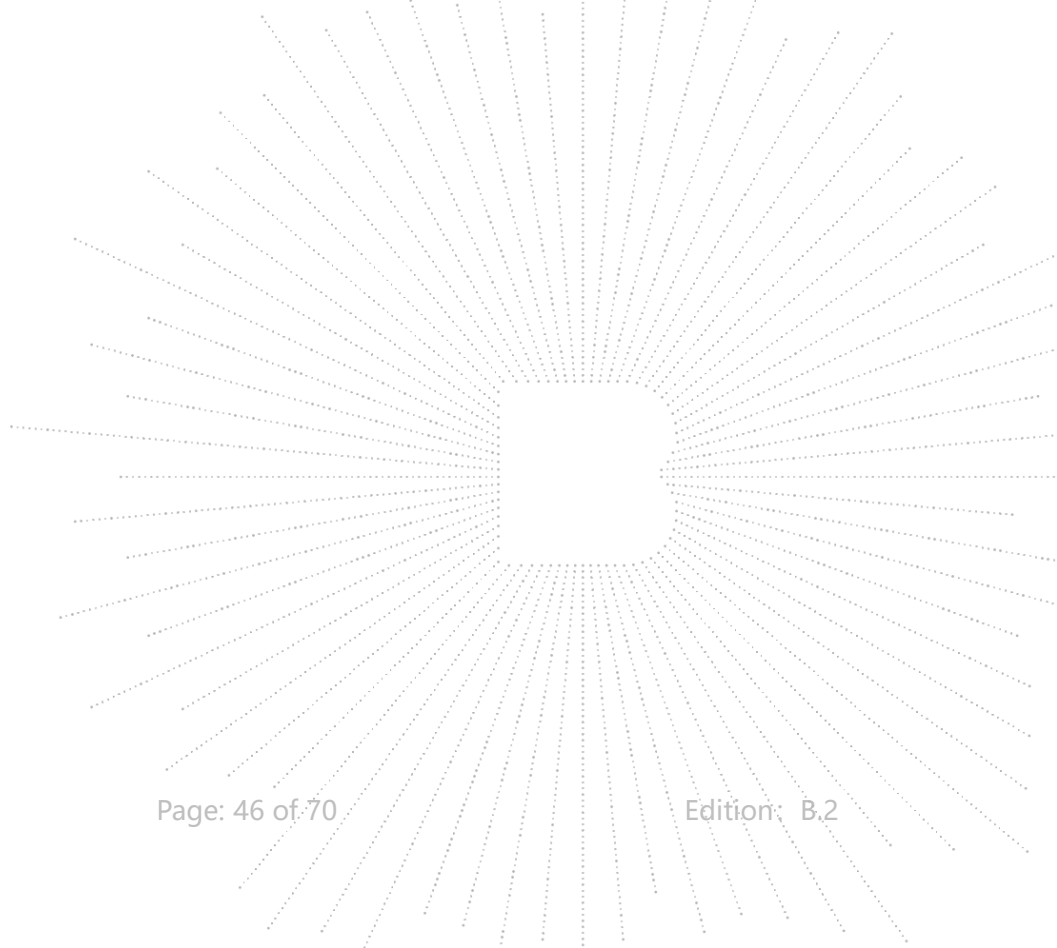
Band66 QPSK BW=20MHz Channel=132572 RB Size=100 Position=#0

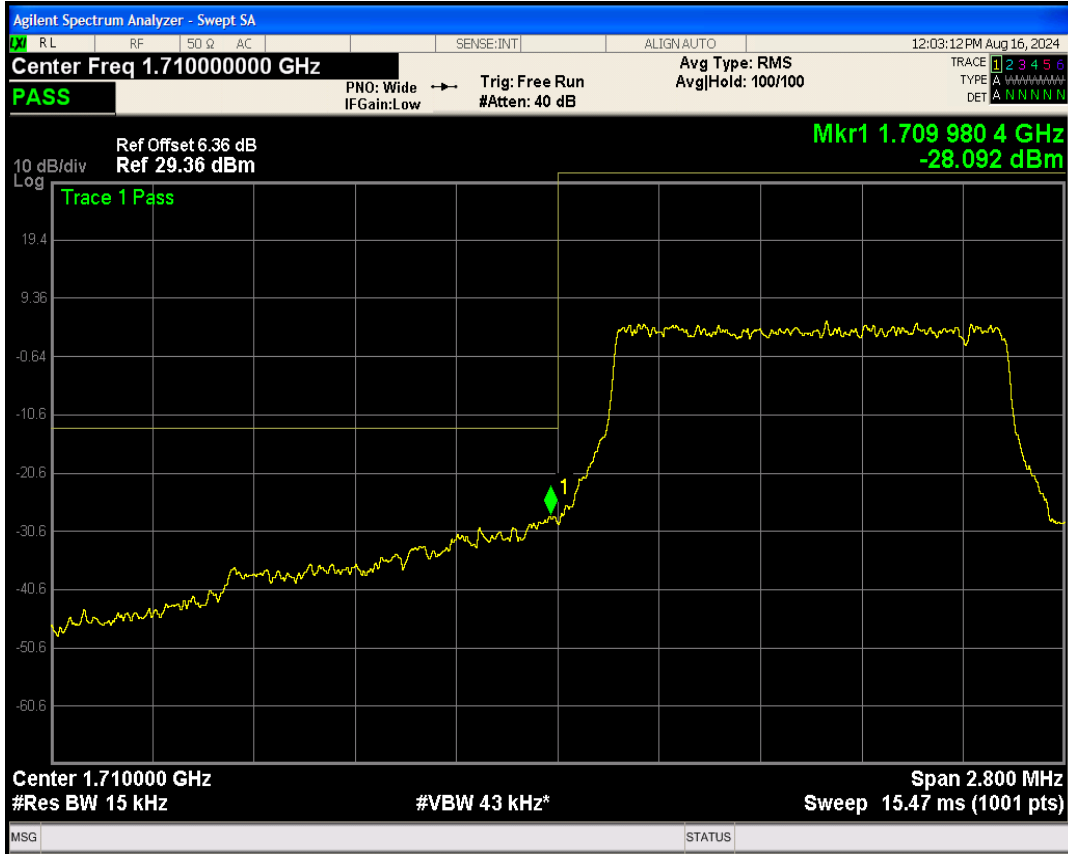


## Appendix 5. Band edge

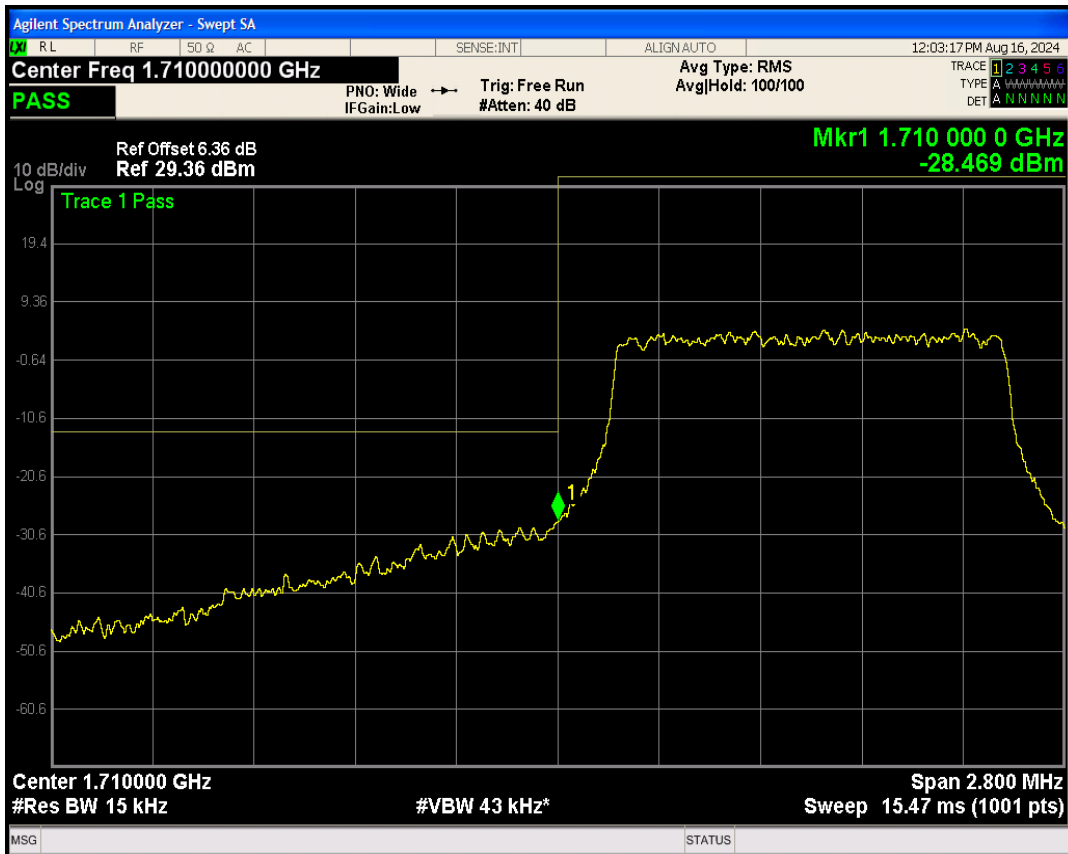
| Band   | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Size | RB<br>Position | Modulation | Spur Freq<br>(MHz) | Spur Level<br>(dBm) | Limit<br>(dBm) | Verdict |
|--------|--------------------|---------------|------------|----------------|------------|--------------------|---------------------|----------------|---------|
| Band66 | 1.4                | 131979        | 6          | #0             | QPSK       | 1709.98            | -28.09              | -13            | PASS    |
| Band66 | 1.4                | 131979        | 6          | #0             | 16QAM      | 1710.00            | -28.46              | -13            | PASS    |
| Band66 | 1.4                | 132665        | 6          | #0             | QPSK       | 1780.00            | -30.53              | -13            | PASS    |
| Band66 | 1.4                | 132665        | 6          | #0             | 16QAM      | 1780.01            | -30.77              | -13            | PASS    |
| Band66 | 3                  | 131987        | 15         | #0             | QPSK       | 1709.92            | -27.60              | -13            | PASS    |
| Band66 | 3                  | 131987        | 15         | #0             | 16QAM      | 1710.00            | -28.55              | -13            | PASS    |
| Band66 | 3                  | 132657        | 15         | #0             | QPSK       | 1780.00            | -30.19              | -13            | PASS    |
| Band66 | 3                  | 132657        | 15         | #0             | 16QAM      | 1780.00            | -29.69              | -13            | PASS    |
| Band66 | 5                  | 131997        | 25         | #0             | QPSK       | 1710.00            | -26.41              | -13            | PASS    |
| Band66 | 5                  | 131997        | 25         | #0             | 16QAM      | 1710.00            | -27.04              | -13            | PASS    |
| Band66 | 5                  | 132647        | 25         | #0             | QPSK       | 1780.06            | -28.39              | -13            | PASS    |
| Band66 | 5                  | 132647        | 25         | #0             | 16QAM      | 1780.00            | -29.07              | -13            | PASS    |
| Band66 | 10                 | 132022        | 50         | #0             | QPSK       | 1710.00            | -28.58              | -13            | PASS    |
| Band66 | 10                 | 132622        | 50         | #0             | QPSK       | 1780.02            | -29.93              | -13            | PASS    |
| Band66 | 15                 | 132047        | 75         | #0             | QPSK       | 1710.00            | -27.63              | -13            | PASS    |
| Band66 | 15                 | 132597        | 75         | #0             | QPSK       | 1780.12            | -32.43              | -13            | PASS    |
| Band66 | 20                 | 132072        | 100        | #0             | QPSK       | 1710.00            | -28.89              | -13            | PASS    |
| Band66 | 20                 | 132572        | 100        | #0             | QPSK       | 1780.08            | -31.51              | -13            | PASS    |

Band66 QPSK BW=1.4MHz Channel=131979 RB Size=6 Position=#0

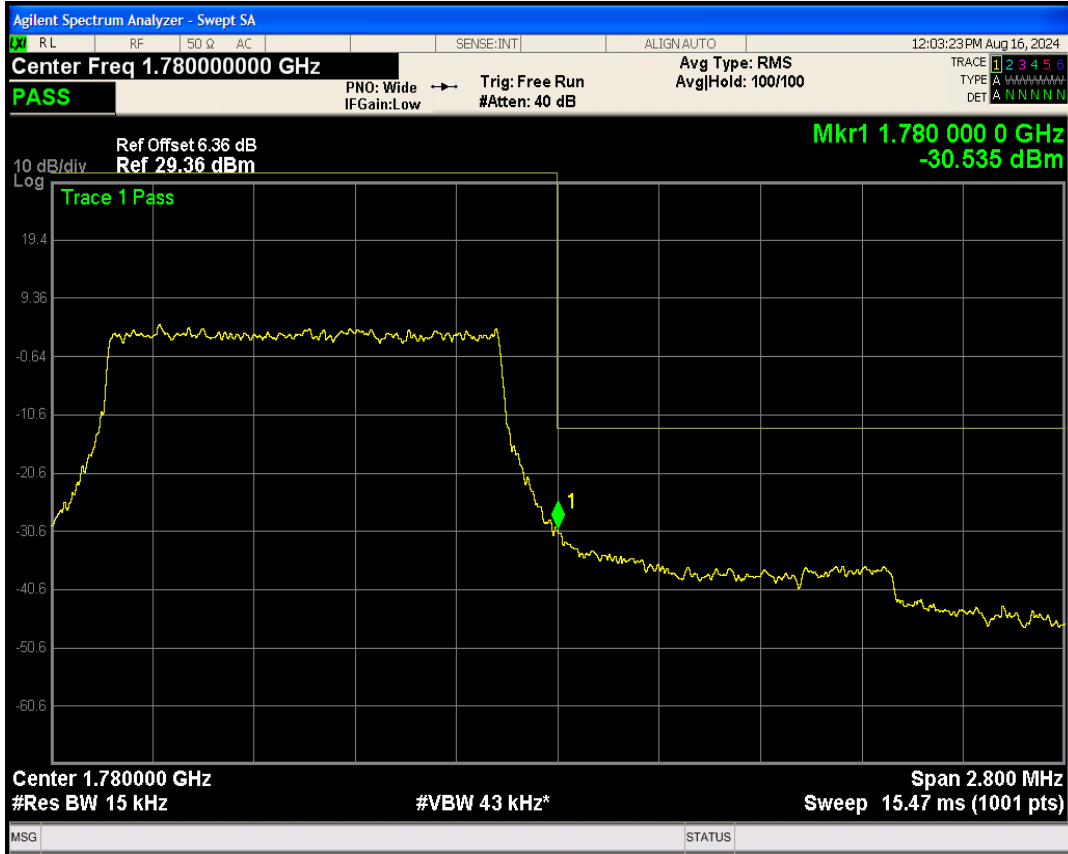




Band66 16QAM BW=1.4MHz Channel=131979 RB Size=6 Position=#0



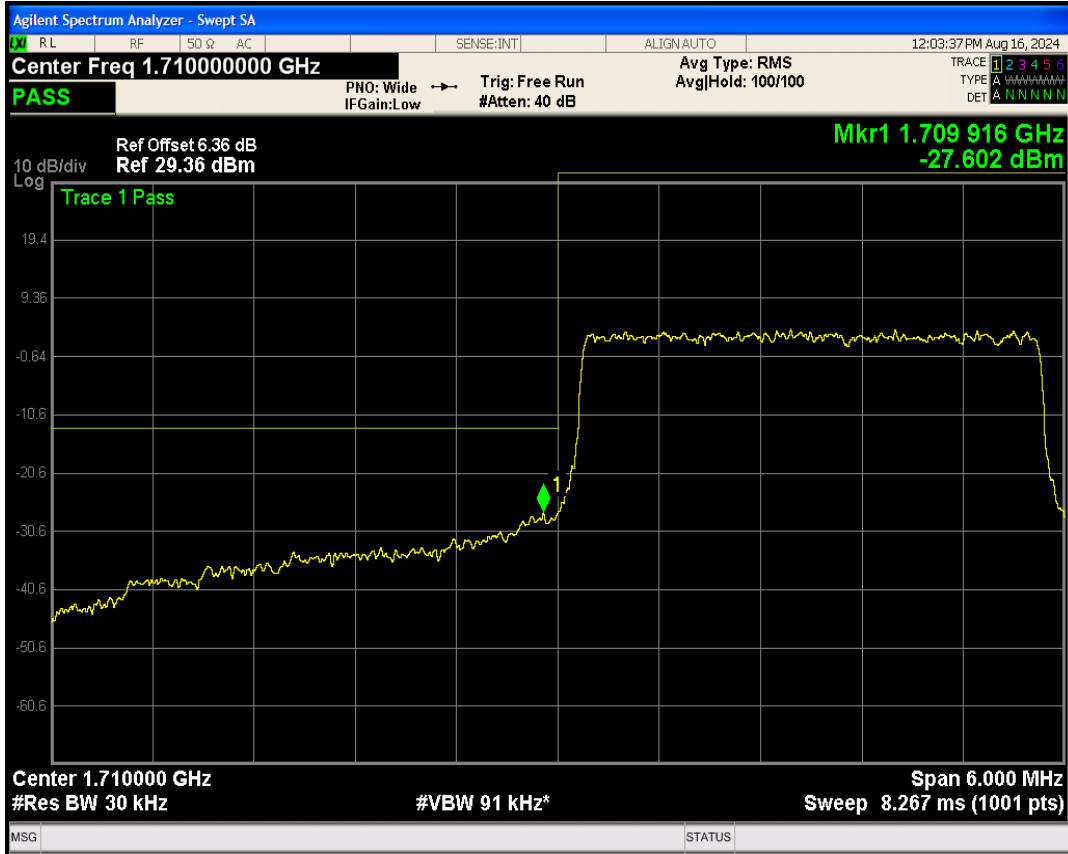
Band66 QPSK BW=1.4MHz Channel=132665 RB Size=6 Position=#0



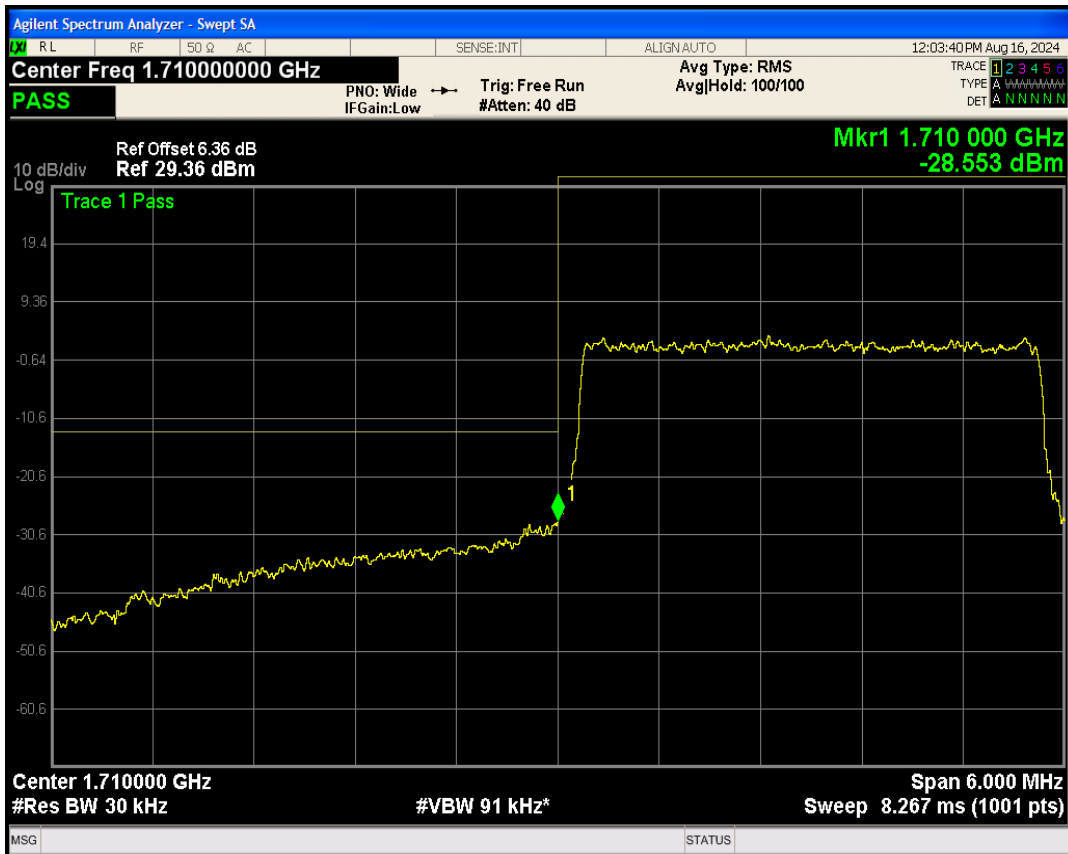
Band66 16QAM BW=1.4MHz Channel=132665 RB Size=6 Position=#0



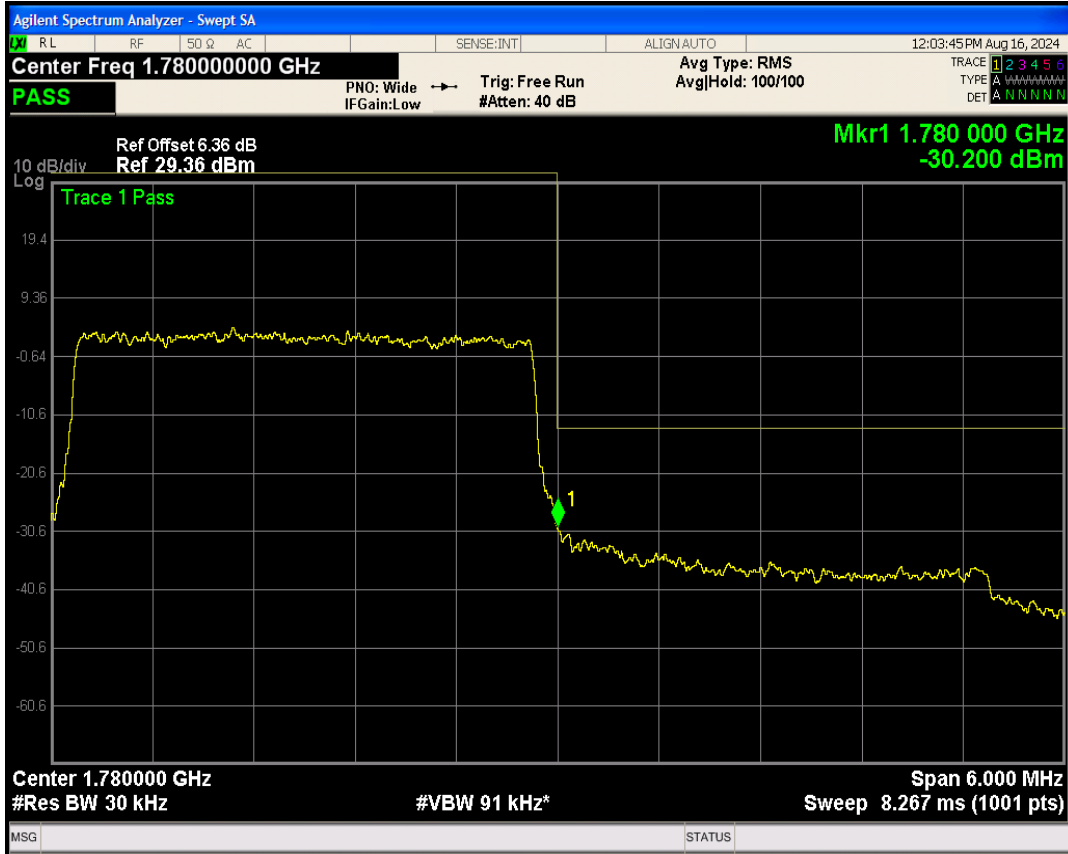
Band66 QPSK BW=3MHz Channel=131987 RB Size=15 Position=#0



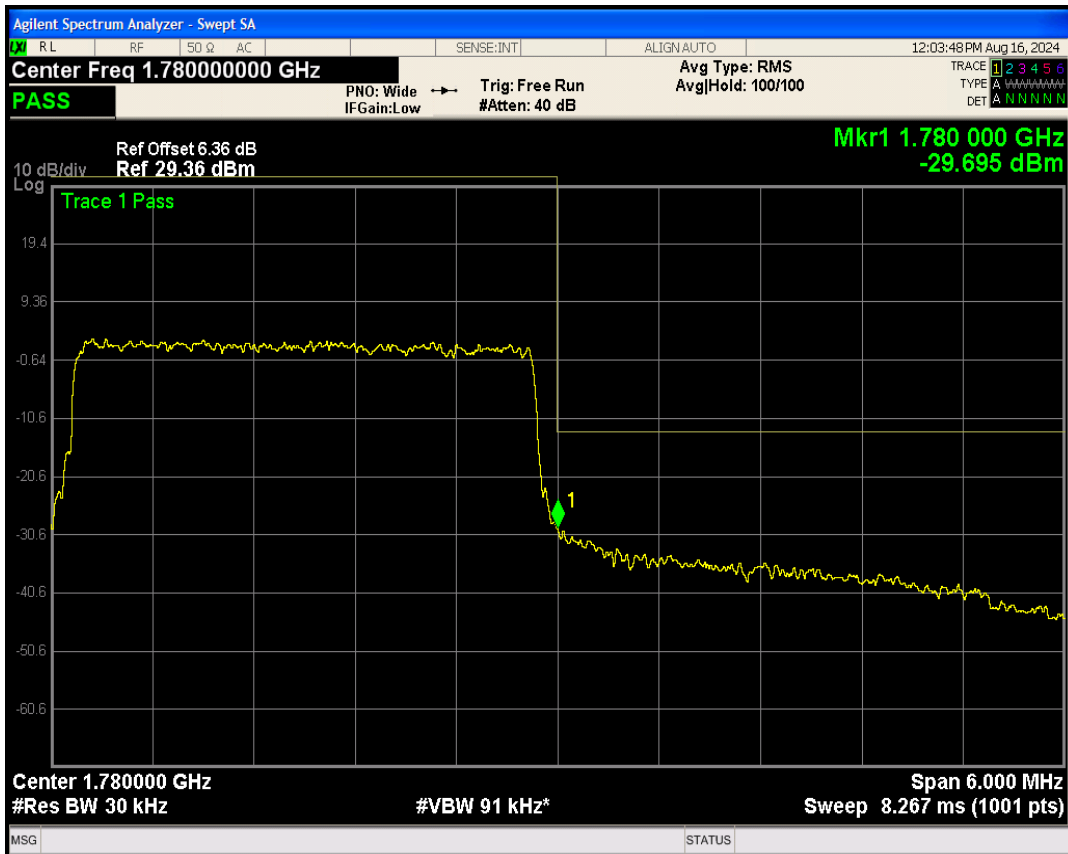
Band66 16QAM BW=3MHz Channel=131987 RB Size=15 Position=#0



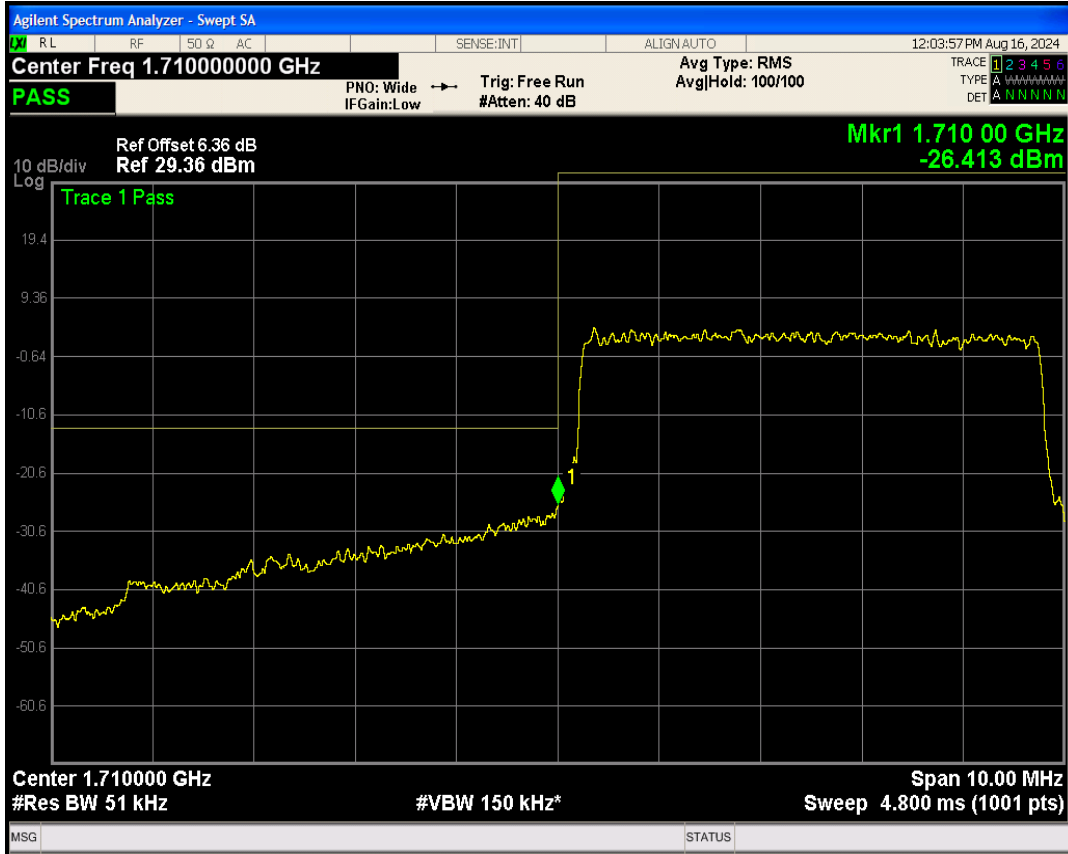
Band66 QPSK BW=3MHz Channel=132657 RB Size=15 Position=#0



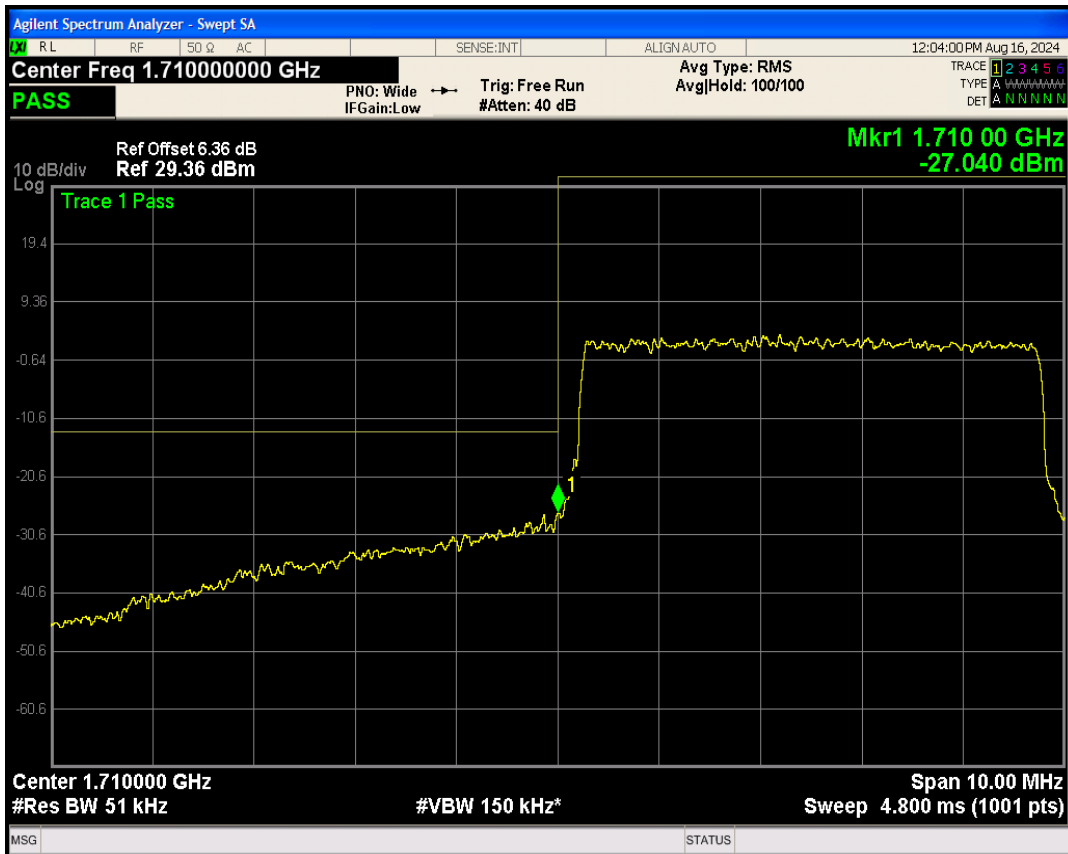
Band66 16QAM BW=3MHz Channel=132657 RB Size=15 Position=#0



Band66 QPSK BW=5MHz Channel=131997 RB Size=25 Position=#0

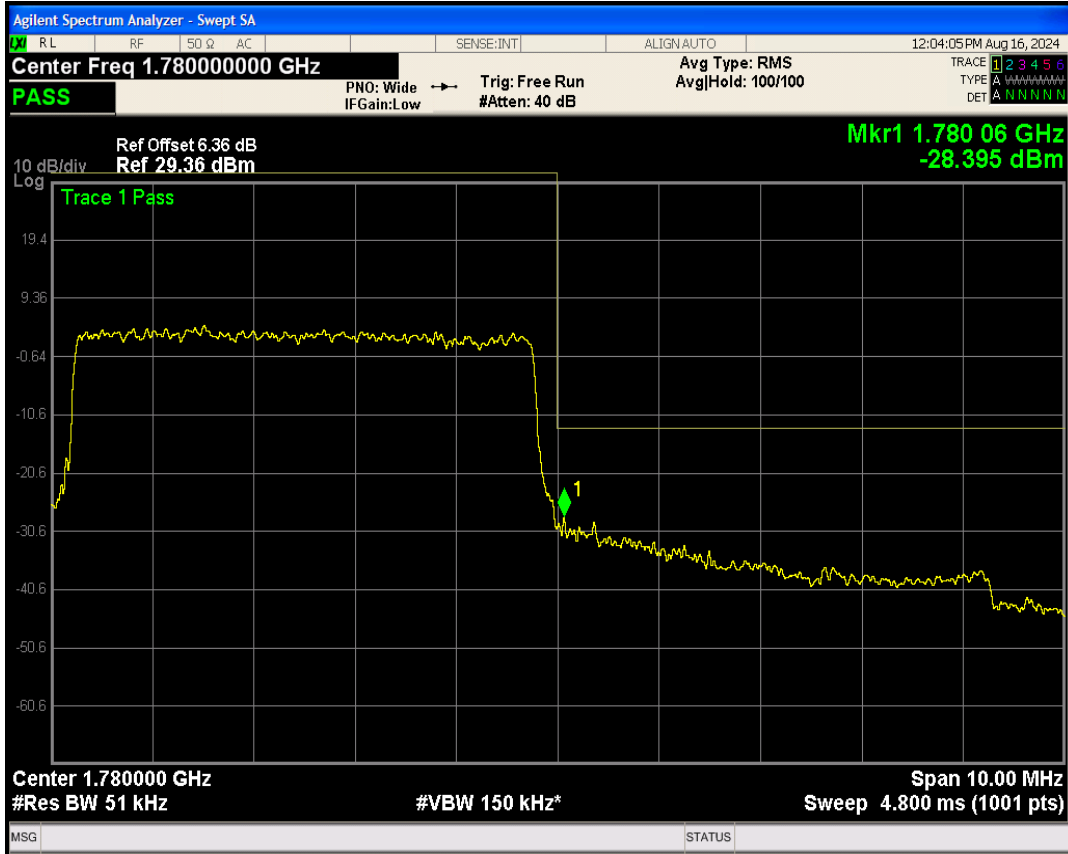


Band66 16QAM BW=5MHz Channel=131997 RB Size=25 Position=#0

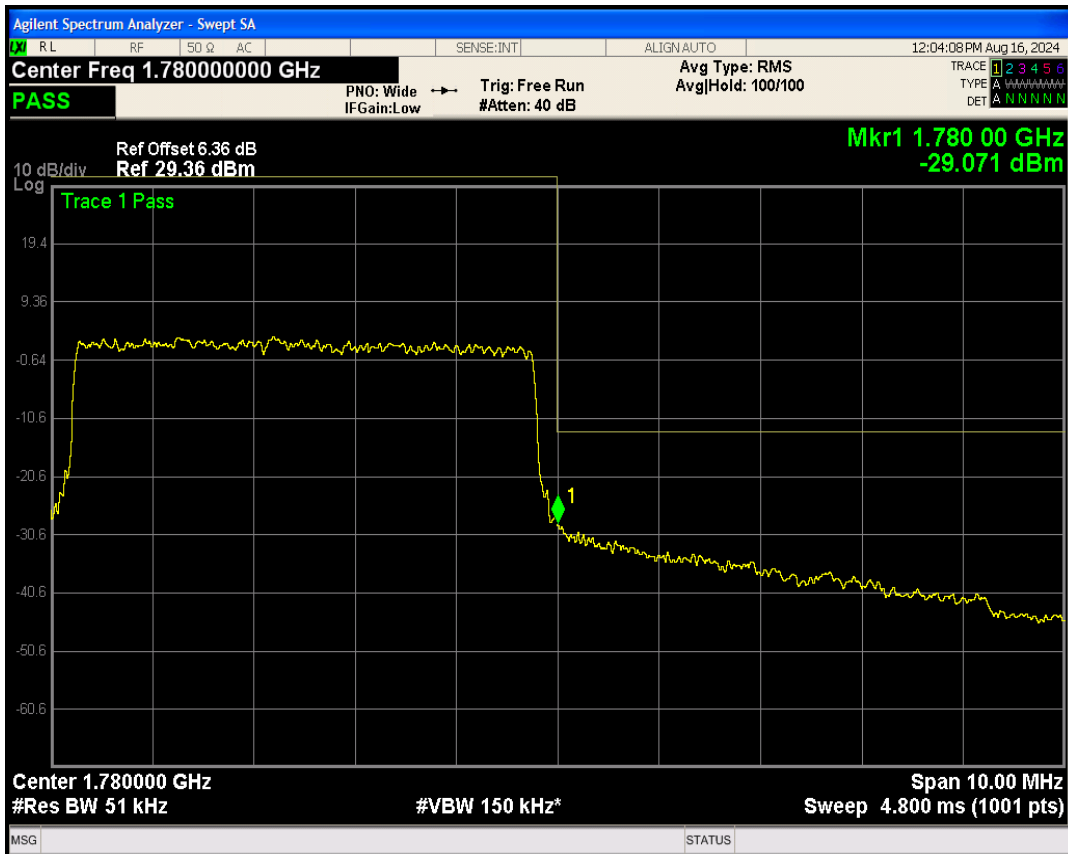


Band66 QPSK BW=5MHz Channel=132647 RB Size=25 Position=#0

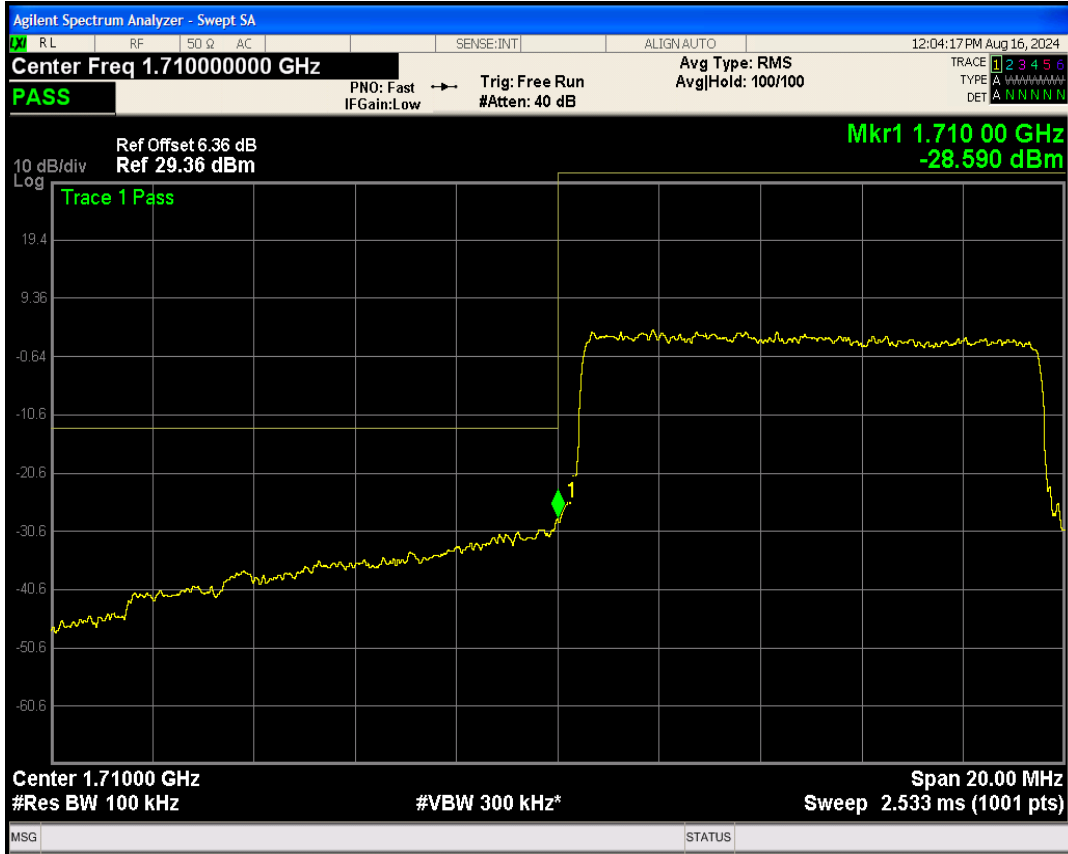




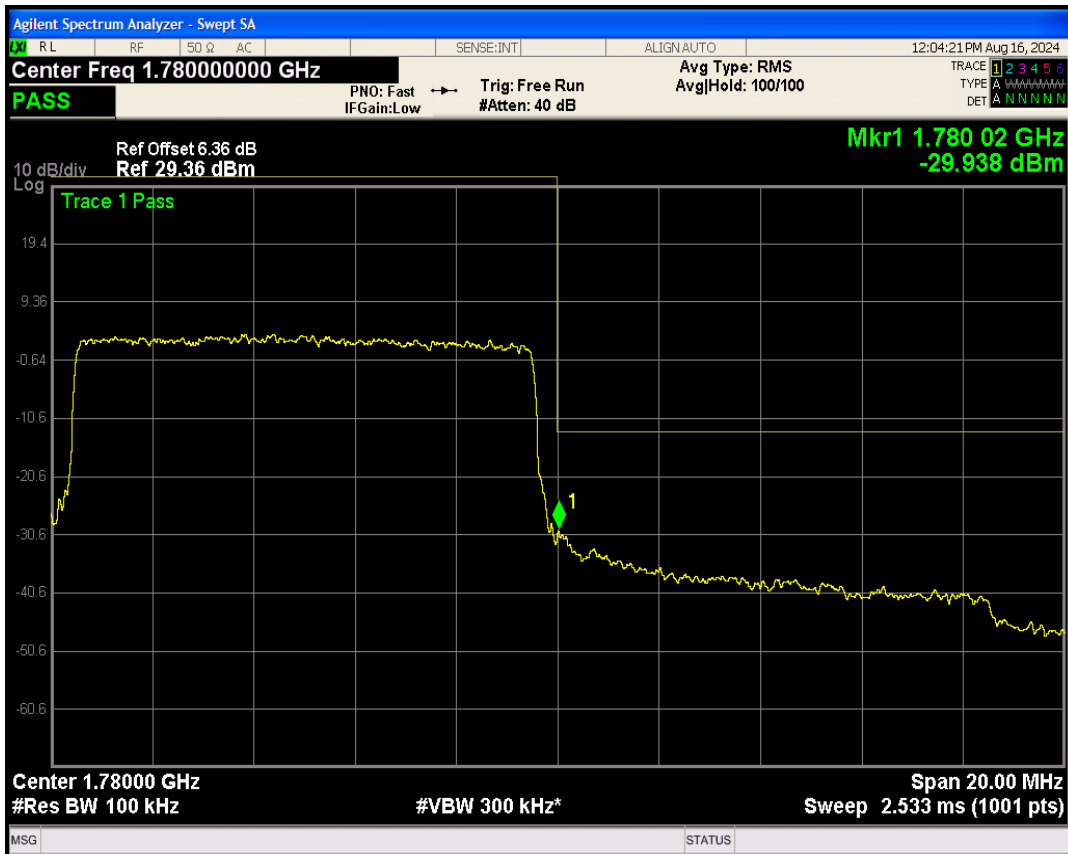
Band66 16QAM BW=5MHz Channel=132647 RB Size=25 Position=#0



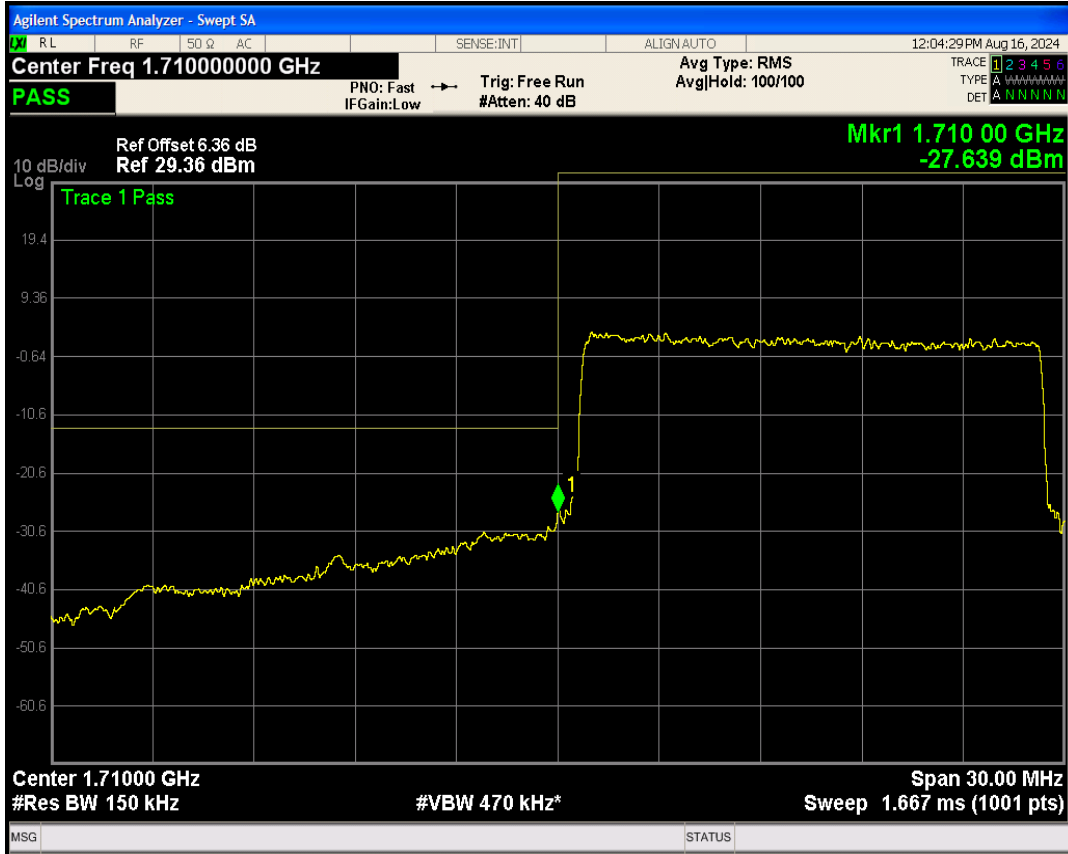
Band66 QPSK BW=10MHz Channel=132022 RB Size=50 Position=#0



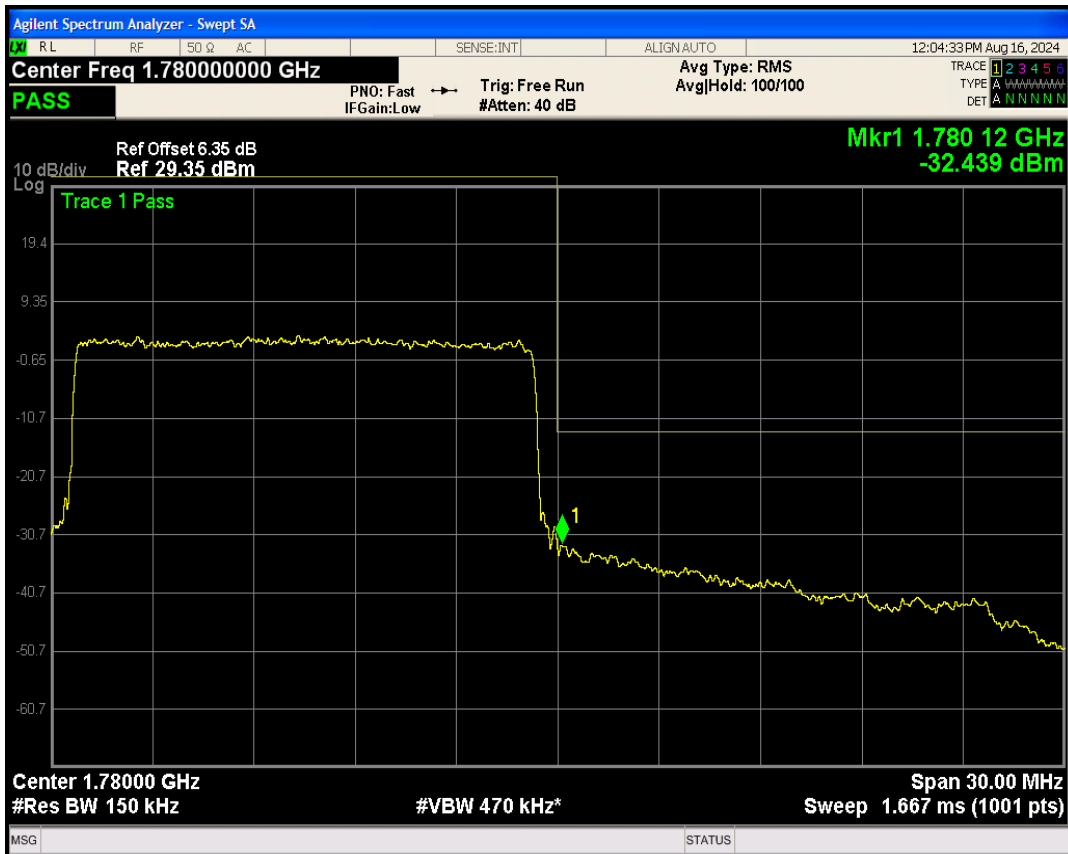
Band66 QPSK BW=10MHz Channel=132622 RB Size=50 Position=#0



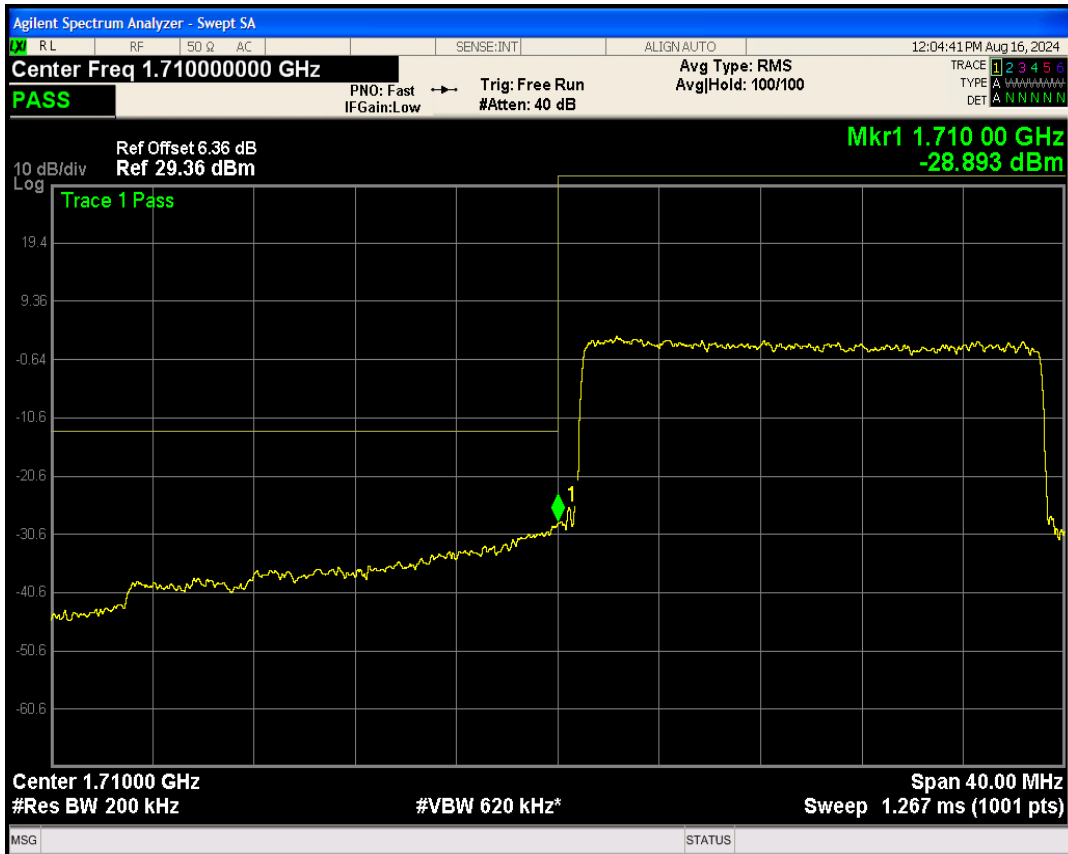
Band66 QPSK BW=15MHz Channel=132047 RB Size=75 Position=#0



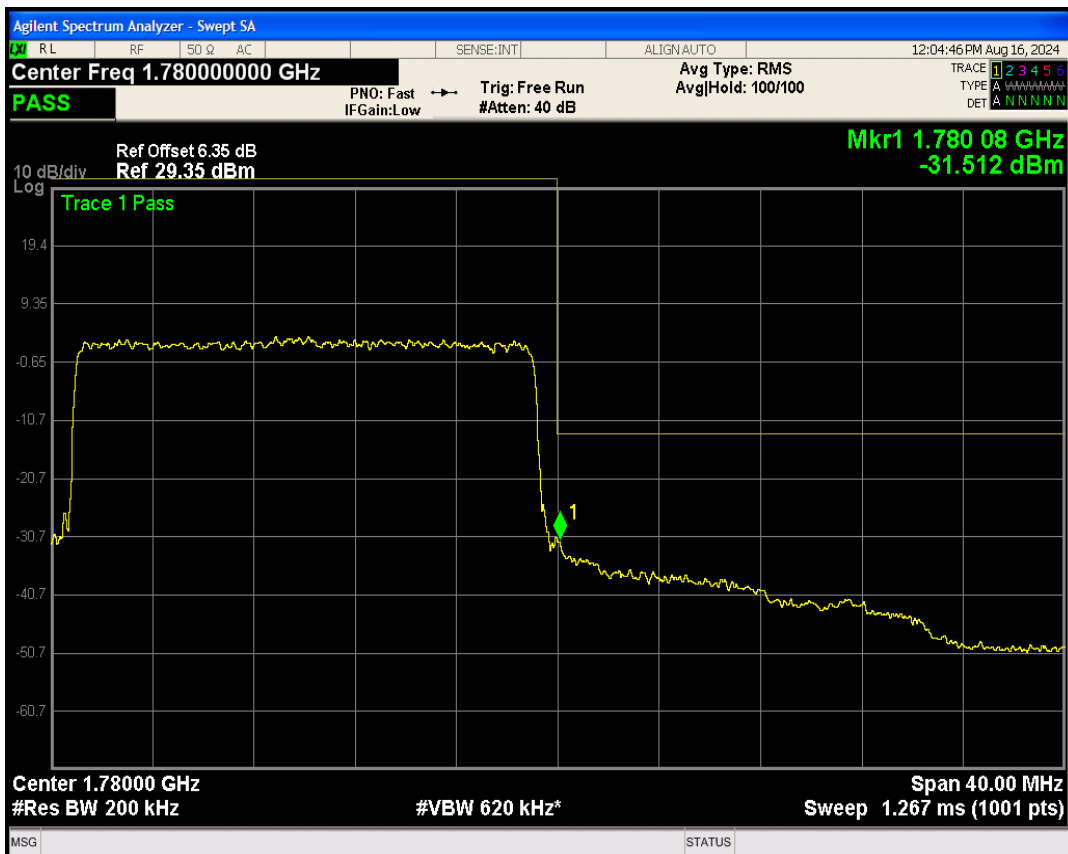
Band66 QPSK BW=15MHz Channel=132597 RB Size=75 Position=#0



Band66 QPSK BW=20MHz Channel=132072 RB Size=100 Position=#0



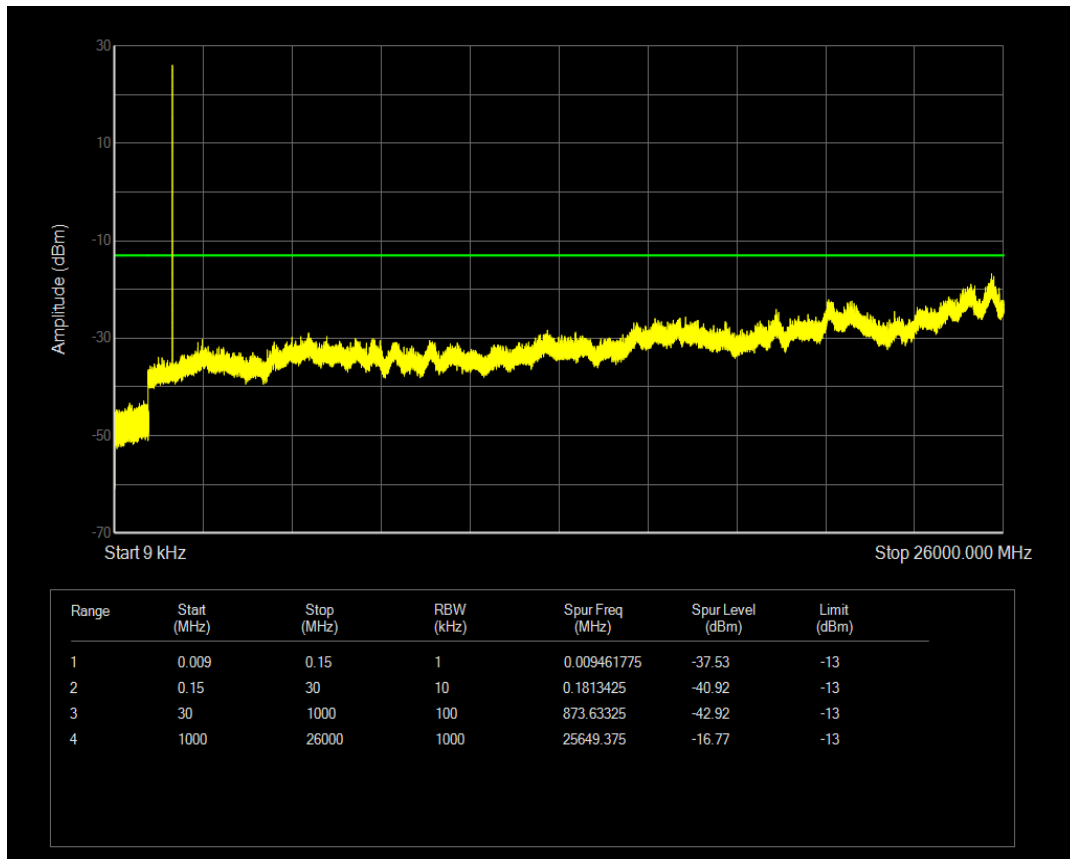
Band66 QPSK BW=20MHz Channel=132572 RB Size=100 Position=#0



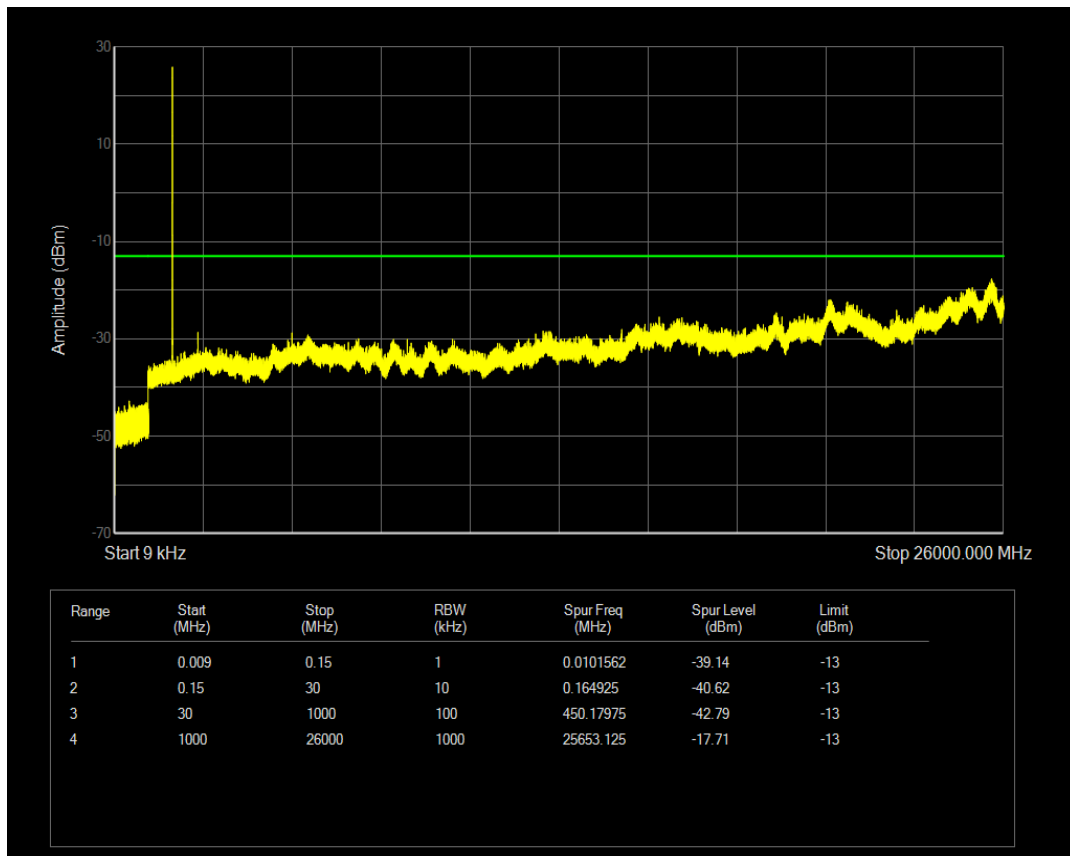
## Appendix 6. Out-of-band emissions

| Band   | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Size | RB<br>Position | Modulation | Spur Freq<br>(MHz) | Spur Level<br>(dBm) | Limit<br>(dBm) | Verdict |
|--------|--------------------|---------------|------------|----------------|------------|--------------------|---------------------|----------------|---------|
| Band66 | 1.4                | 131979        | 6          | #0             | QPSK       | 25649.38           | -16.77              | -13            | PASS    |
| Band66 | 1.4                | 131979        | 6          | #0             | 16QAM      | 25653.13           | -17.71              | -13            | PASS    |
| Band66 | 1.4                | 132322        | 6          | #0             | QPSK       | 25614.38           | -16.51              | -13            | PASS    |
| Band66 | 1.4                | 132322        | 6          | #0             | 16QAM      | 25578.13           | -16.75              | -13            | PASS    |
| Band66 | 1.4                | 132665        | 6          | #0             | QPSK       | 25690.00           | -17.53              | -13            | PASS    |
| Band66 | 1.4                | 132665        | 6          | #0             | 16QAM      | 25590.63           | -18.19              | -13            | PASS    |
| Band66 | 3                  | 131987        | 15         | #0             | QPSK       | 25612.50           | -17.74              | -13            | PASS    |
| Band66 | 3                  | 131987        | 15         | #0             | 16QAM      | 25624.38           | -17.10              | -13            | PASS    |
| Band66 | 3                  | 132322        | 15         | #0             | QPSK       | 25628.75           | -17.58              | -13            | PASS    |
| Band66 | 3                  | 132322        | 15         | #0             | 16QAM      | 25773.13           | -17.89              | -13            | PASS    |
| Band66 | 3                  | 132657        | 15         | #0             | QPSK       | 25597.50           | -17.43              | -13            | PASS    |
| Band66 | 3                  | 132657        | 15         | #0             | 16QAM      | 25589.38           | -18.02              | -13            | PASS    |
| Band66 | 5                  | 131997        | 25         | #0             | QPSK       | 25650.63           | -17.24              | -13            | PASS    |
| Band66 | 5                  | 131997        | 25         | #0             | 16QAM      | 25590.63           | -17.39              | -13            | PASS    |
| Band66 | 5                  | 132322        | 25         | #0             | QPSK       | 25580.63           | -17.10              | -13            | PASS    |
| Band66 | 5                  | 132322        | 25         | #0             | 16QAM      | 25640.63           | -16.89              | -13            | PASS    |
| Band66 | 5                  | 132647        | 25         | #0             | QPSK       | 25613.75           | -16.96              | -13            | PASS    |
| Band66 | 5                  | 132647        | 25         | #0             | 16QAM      | 25675.00           | -16.57              | -13            | PASS    |
| Band66 | 10                 | 132022        | 50         | #0             | QPSK       | 25611.25           | -17.73              | -13            | PASS    |
| Band66 | 10                 | 132322        | 50         | #0             | QPSK       | 25621.25           | -17.04              | -13            | PASS    |
| Band66 | 10                 | 132622        | 50         | #0             | QPSK       | 25635.00           | -17.43              | -13            | PASS    |
| Band66 | 15                 | 132047        | 75         | #0             | QPSK       | 25602.50           | -17.24              | -13            | PASS    |
| Band66 | 15                 | 132322        | 75         | #0             | QPSK       | 25664.38           | -16.97              | -13            | PASS    |
| Band66 | 15                 | 132597        | 75         | #0             | QPSK       | 25654.38           | -17.31              | -13            | PASS    |
| Band66 | 20                 | 132072        | 100        | #0             | QPSK       | 25542.50           | -17.48              | -13            | PASS    |
| Band66 | 20                 | 132322        | 100        | #0             | QPSK       | 25610.00           | -16.91              | -13            | PASS    |
| Band66 | 20                 | 132572        | 100        | #0             | QPSK       | 25625.00           | -17.39              | -13            | PASS    |

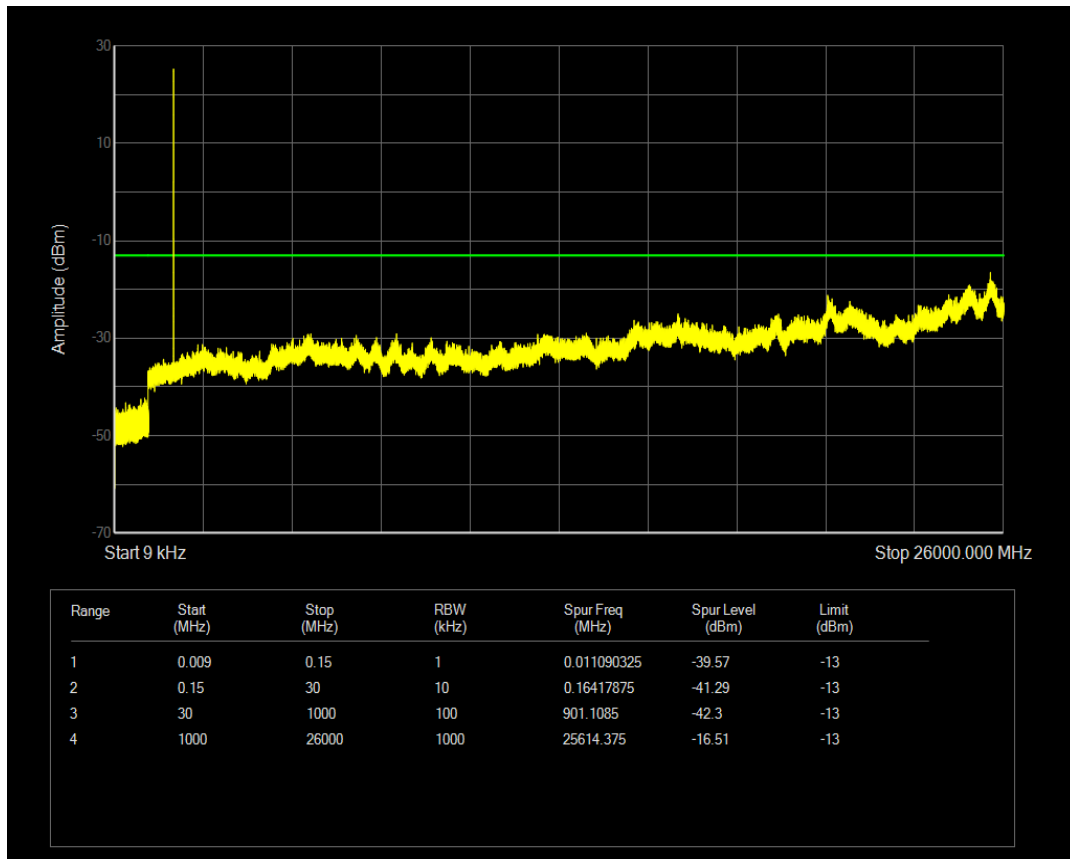
Band66 QPSK BW=1.4MHz Channel=131979 RB Size=6 Position=#0



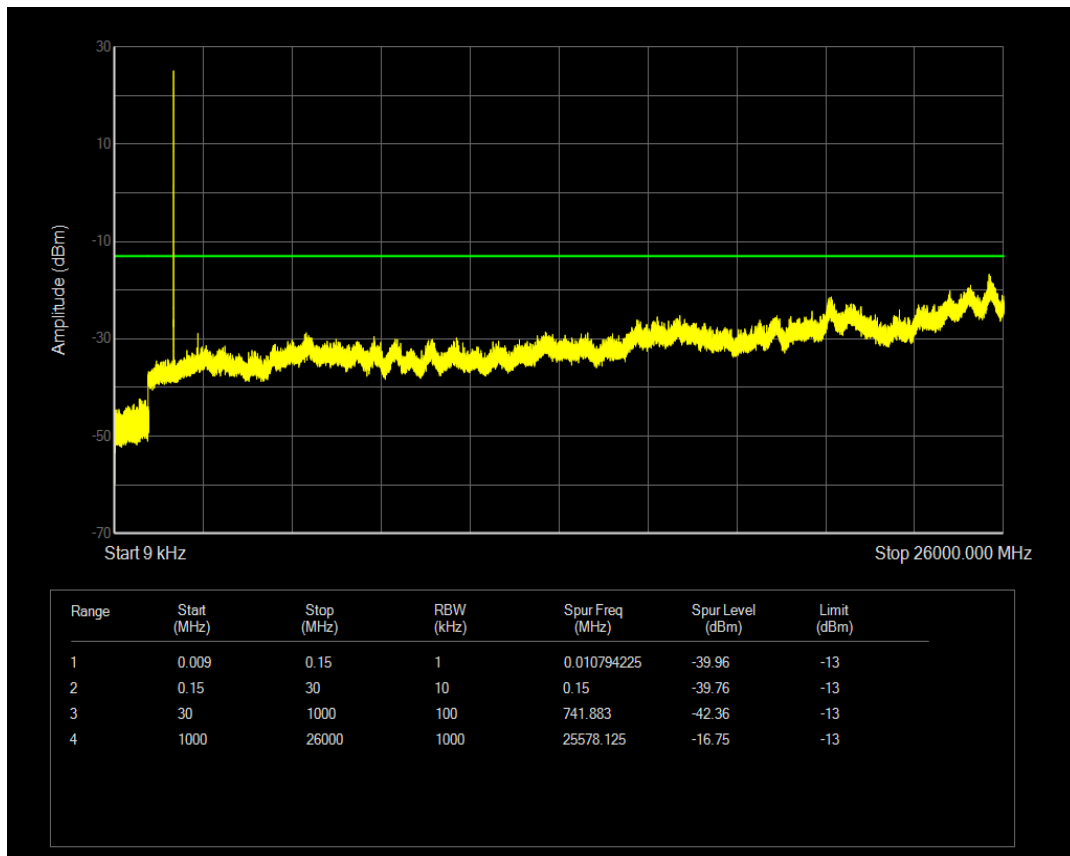
Band66 16QAM BW=1.4MHz Channel=131979 RB Size=6 Position=#0



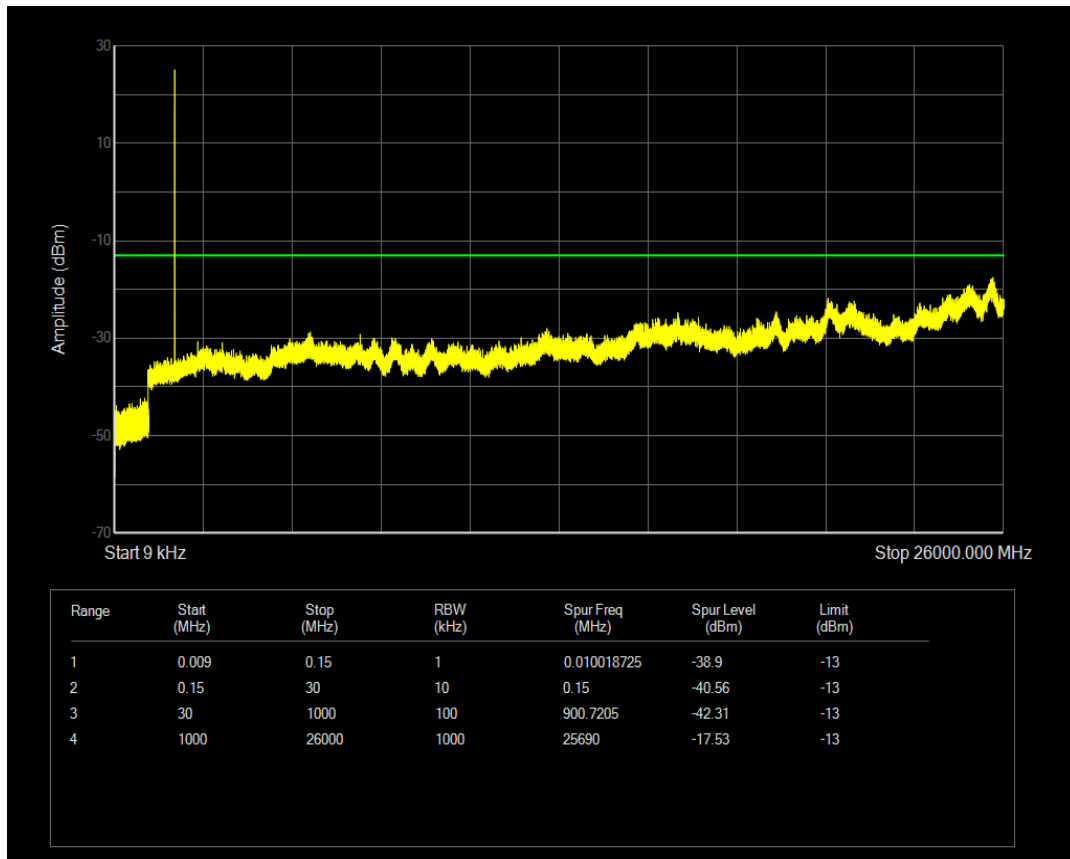
Band66 QPSK BW=1.4MHz Channel=132322 RB Size=6 Position=#0



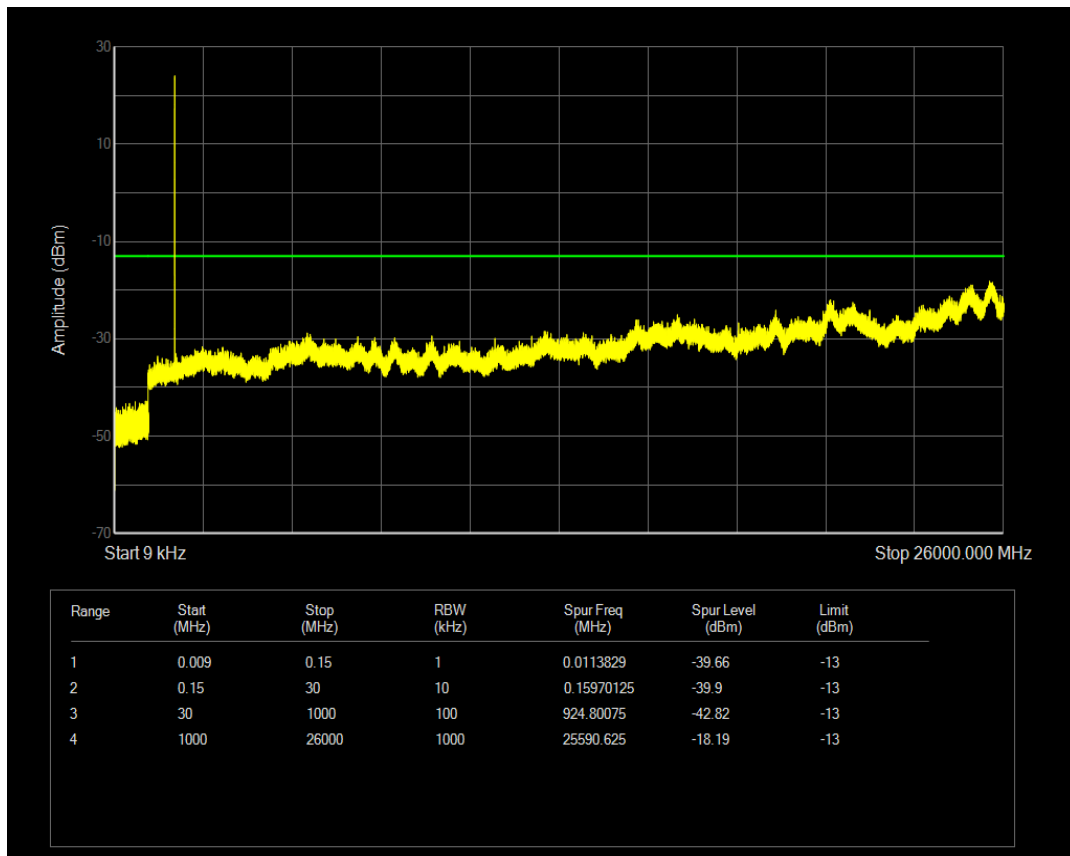
Band66 16QAM BW=1.4MHz Channel=132322 RB Size=6 Position=#0



Band66 QPSK BW=1.4MHz Channel=132665 RB Size=6 Position=#0

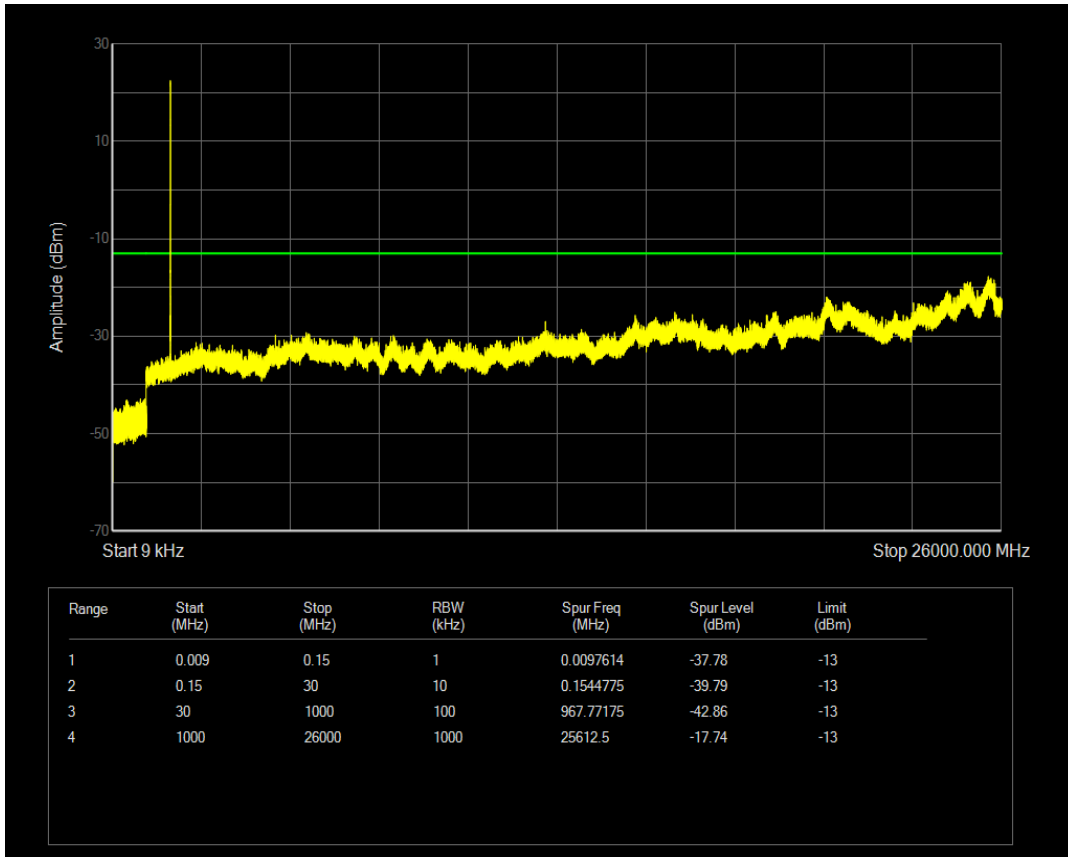


Band66 16QAM BW=1.4MHz Channel=132665 RB Size=6 Position=#0

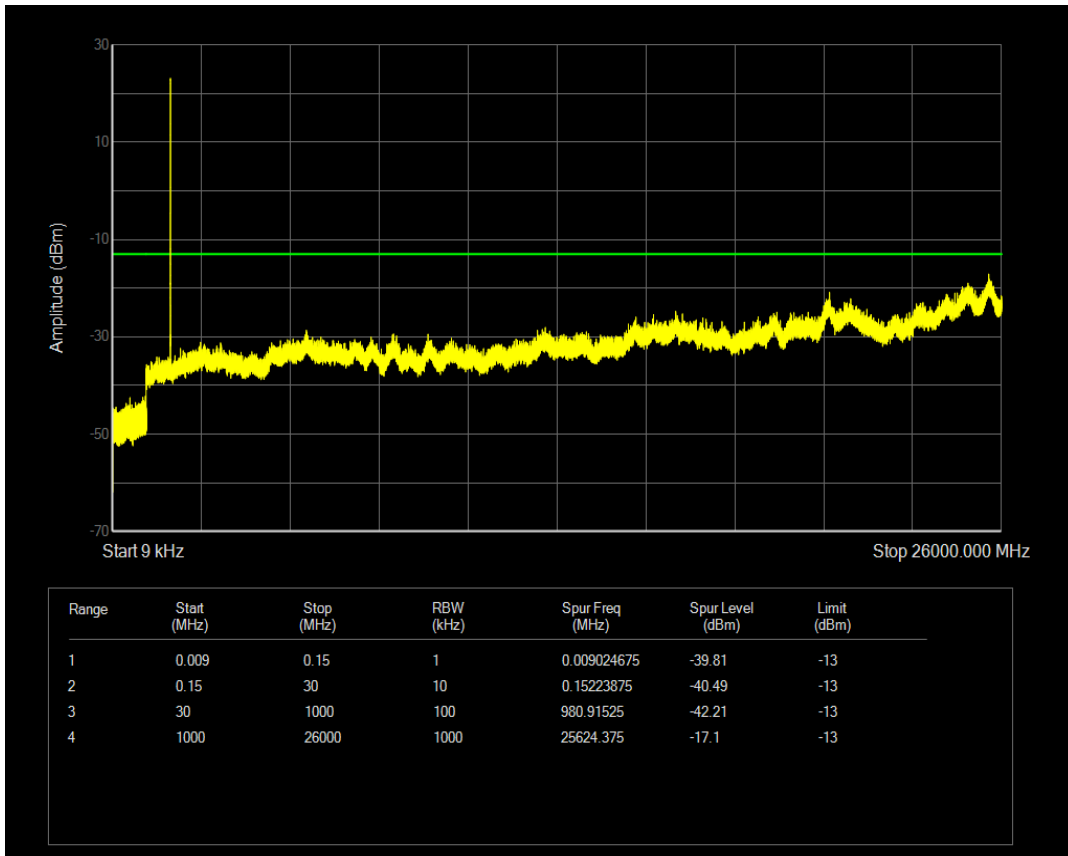


Band66 QPSK BW=3MHz Channel=131987 RB Size=15 Position=#0

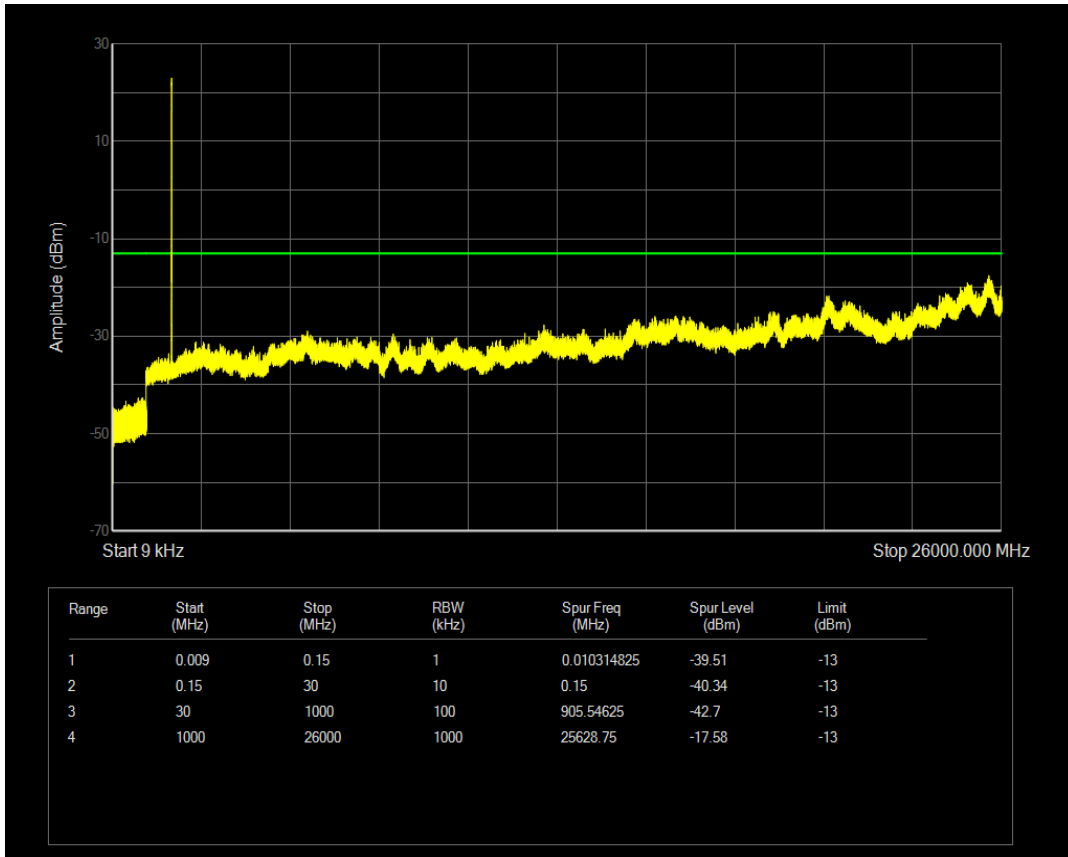




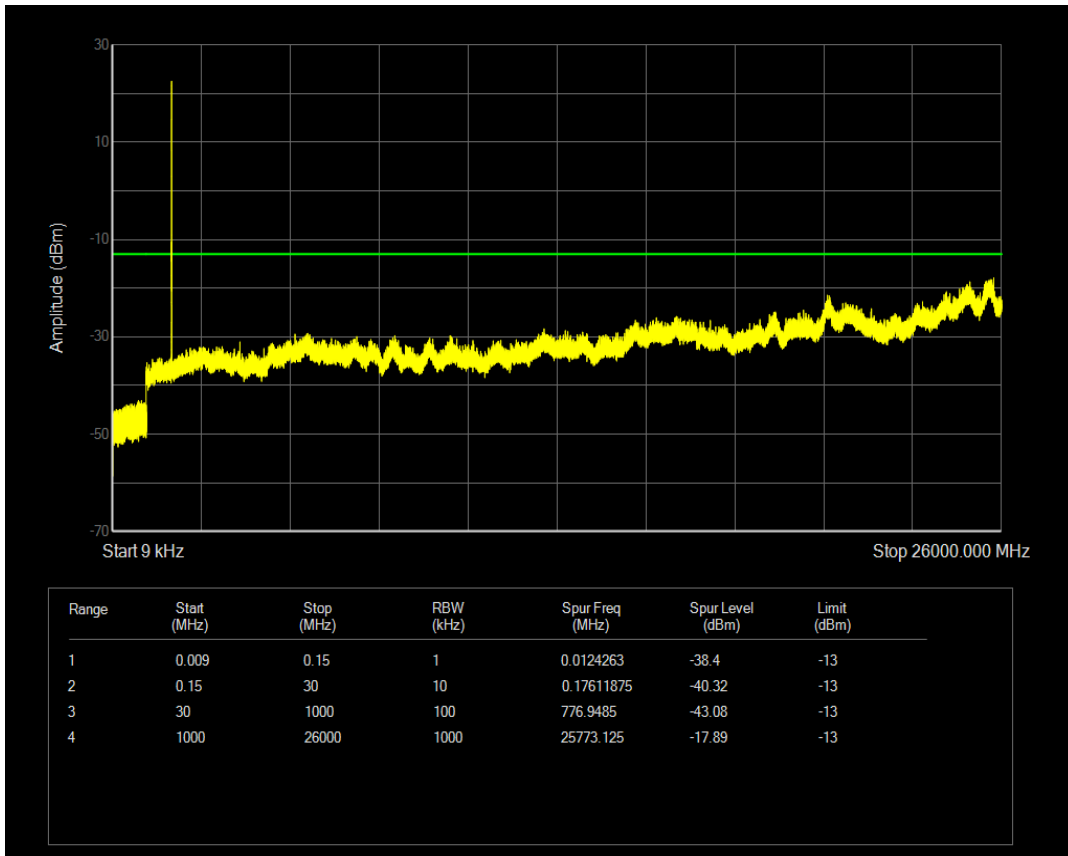
Band66 16QAM BW=3MHz Channel=131987 RB Size=15 Position=#0



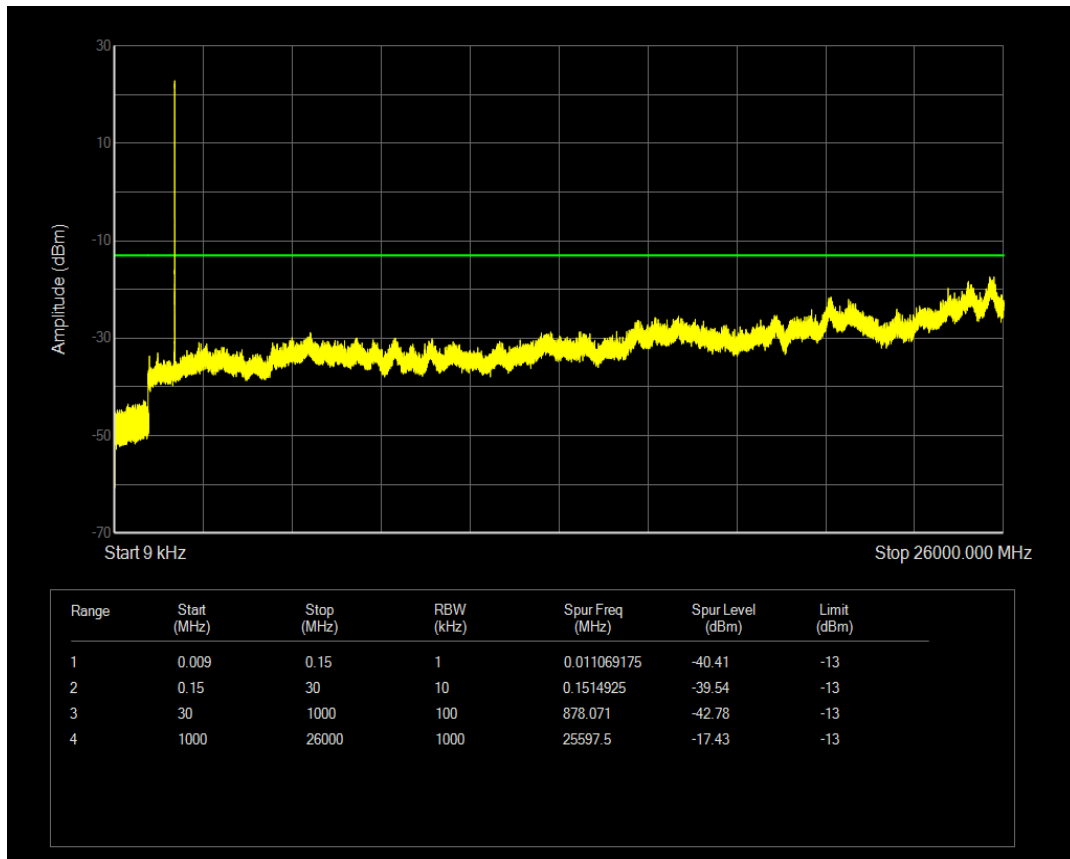
Band66 QPSK BW=3MHz Channel=132322 RB Size=15 Position=#0



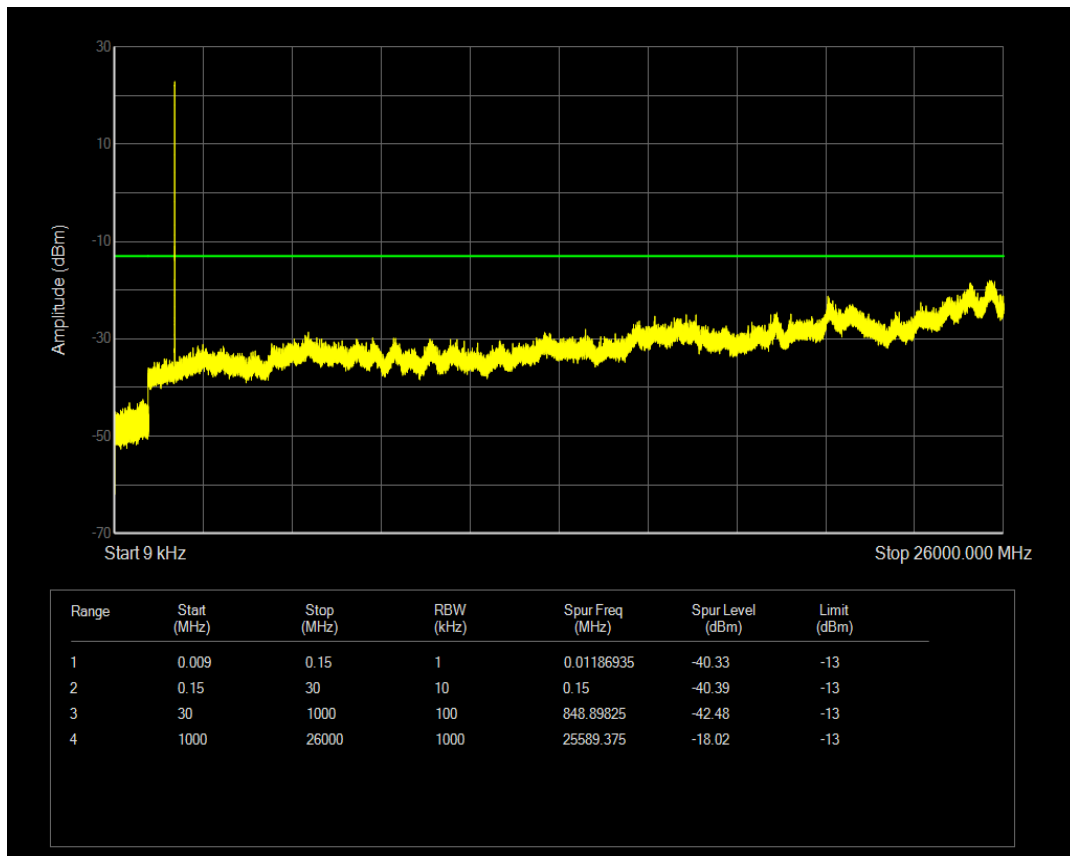
Band66 16QAM BW=3MHz Channel=132322 RB Size=15 Position=#0



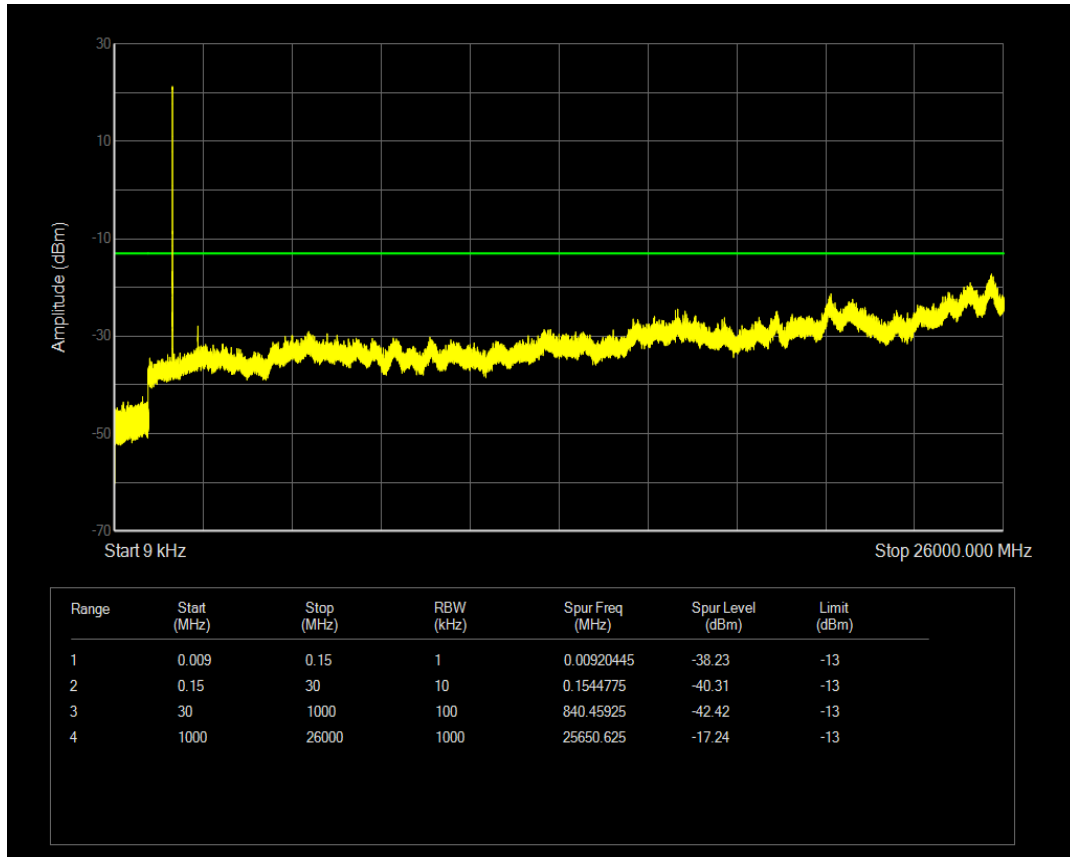
Band66 QPSK BW=3MHz Channel=132657 RB Size=15 Position=#0



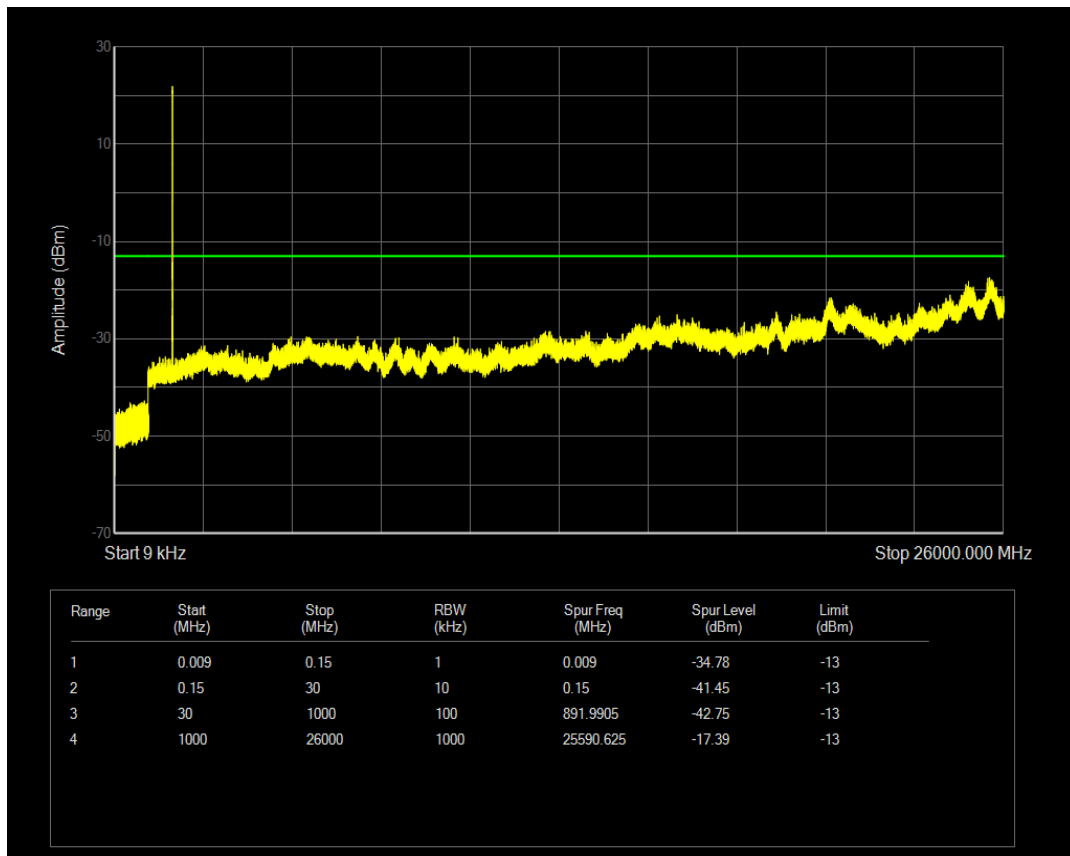
Band66 16QAM BW=3MHz Channel=132657 RB Size=15 Position=#0



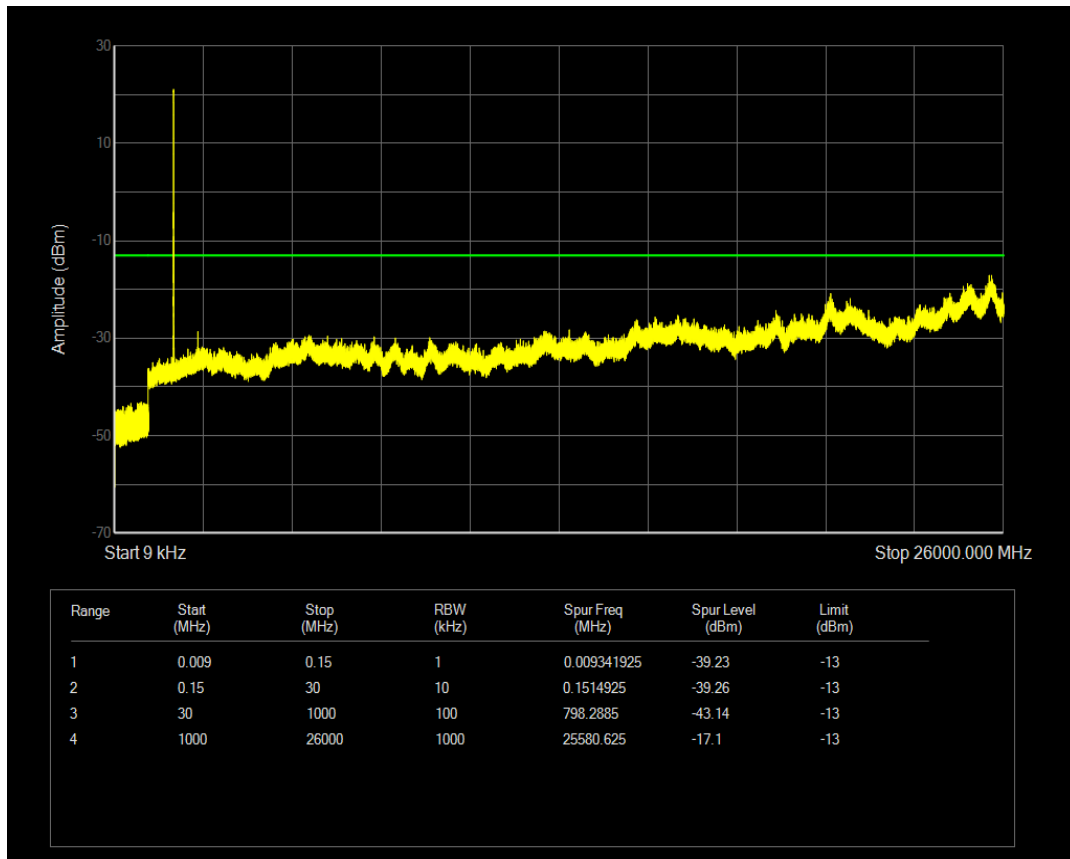
Band66 QPSK BW=5MHz Channel=131997 RB Size=25 Position=#0



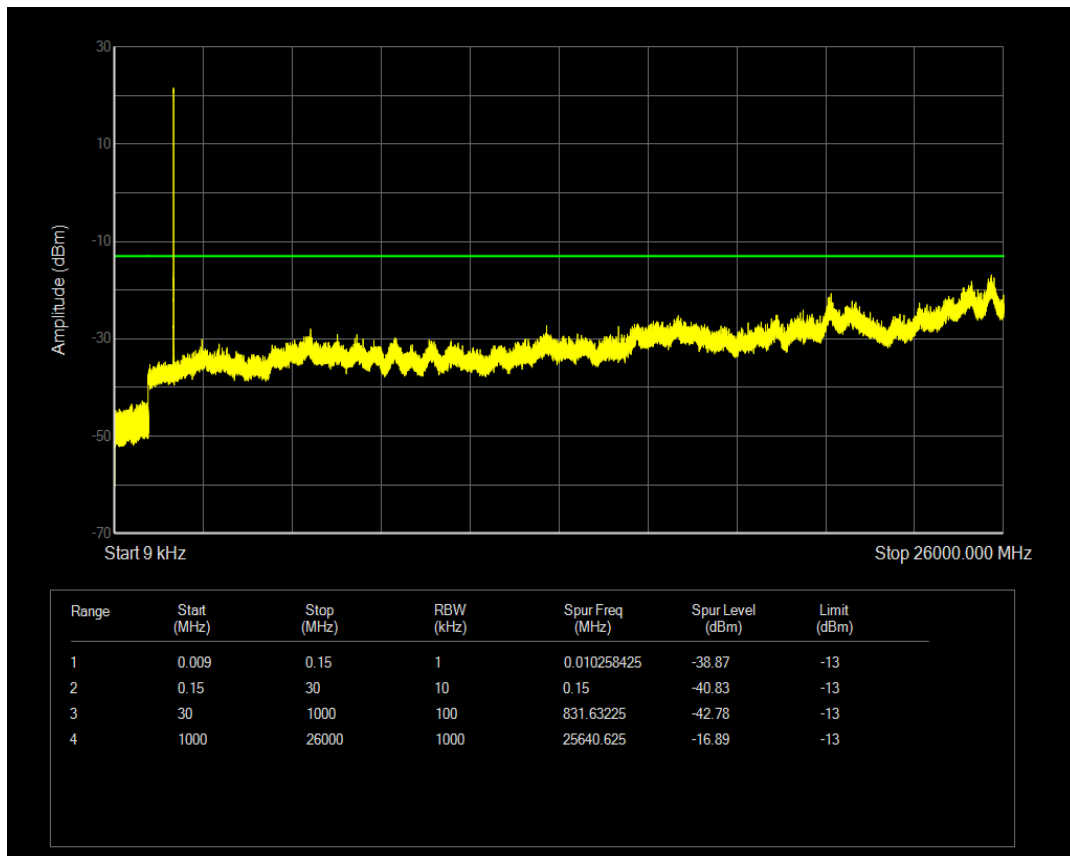
Band66 16QAM BW=5MHz Channel=131997 RB Size=25 Position=#0



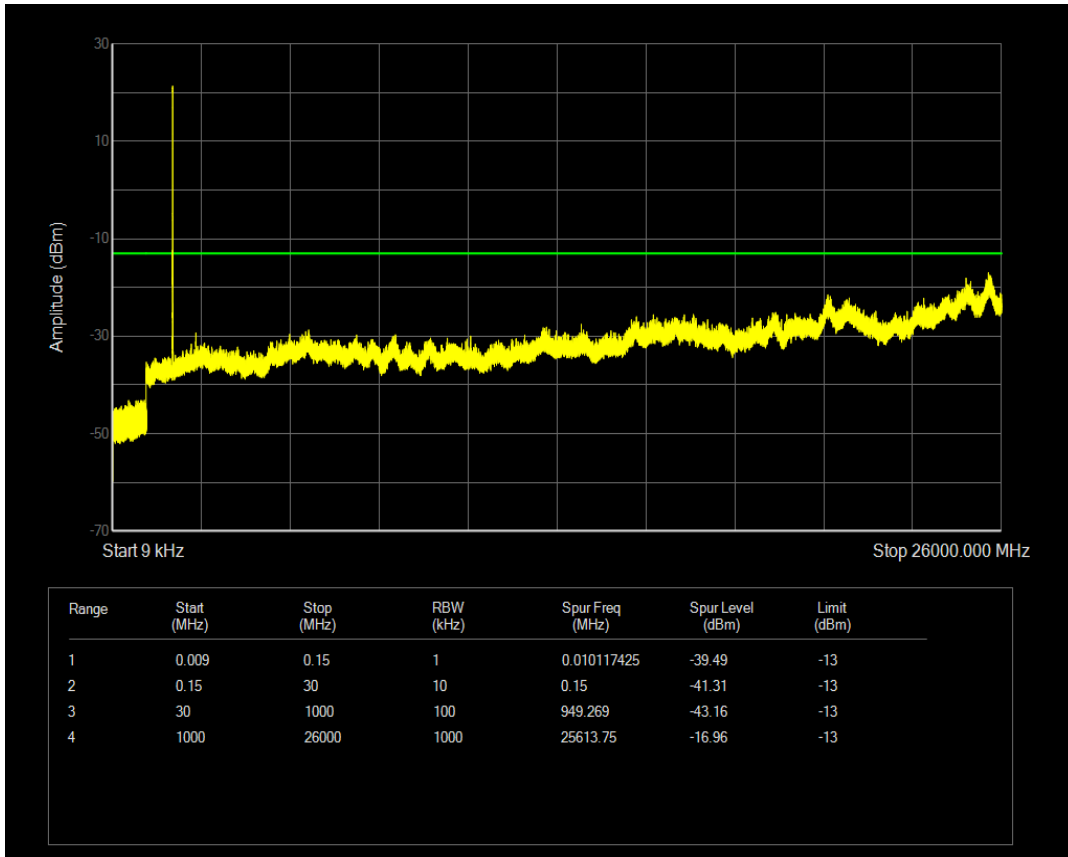
Band66 QPSK BW=5MHz Channel=132322 RB Size=25 Position=#0



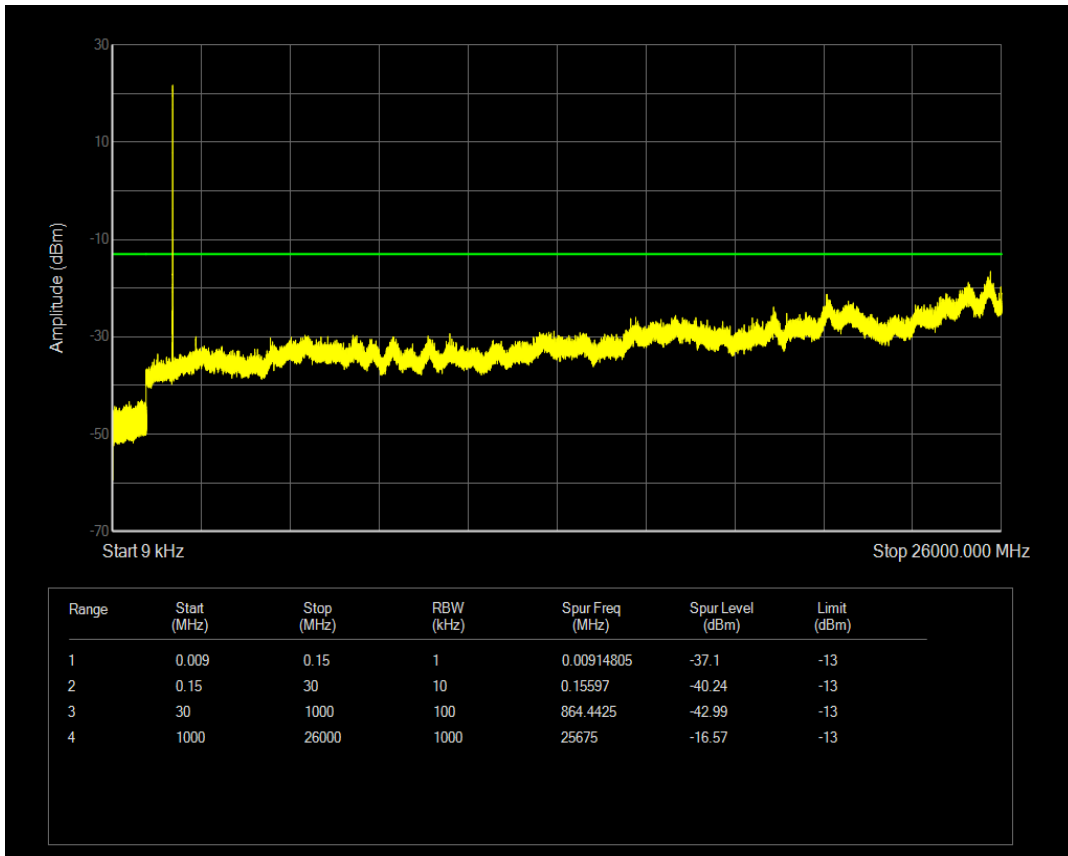
Band66 16QAM BW=5MHz Channel=132322 RB Size=25 Position=#0



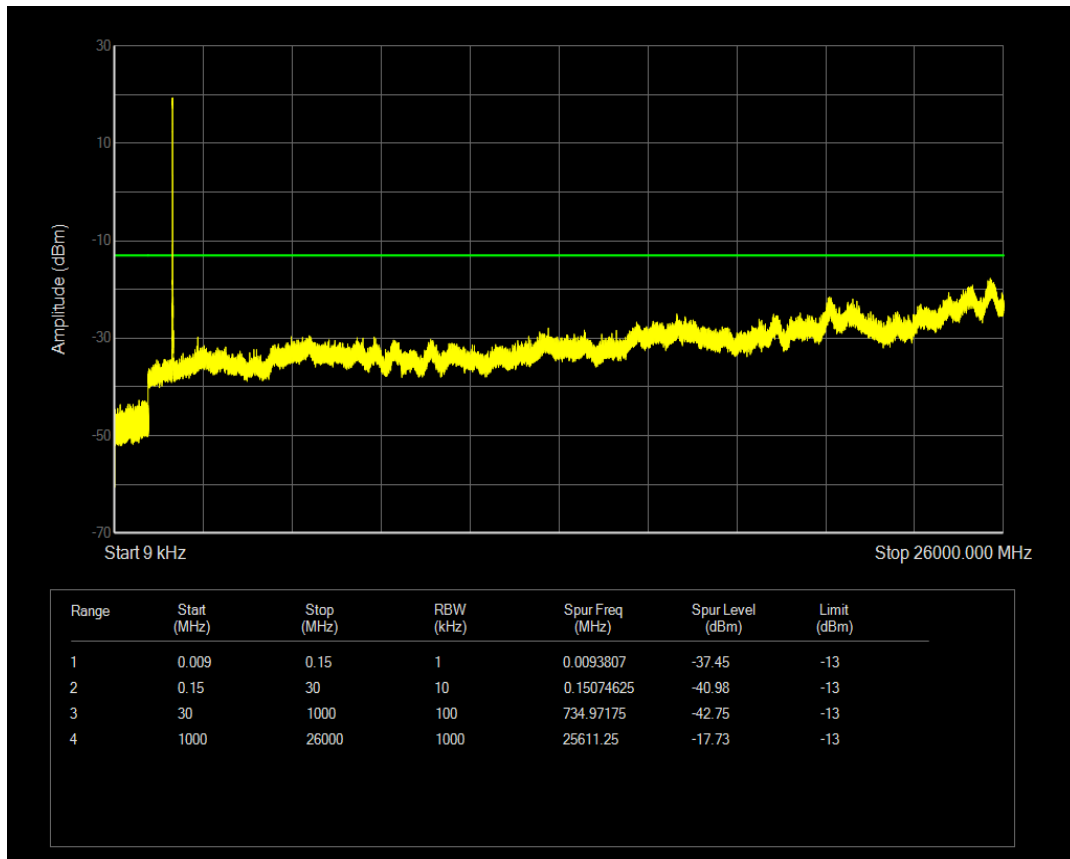
Band66 QPSK BW=5MHz Channel=132647 RB Size=25 Position=#0



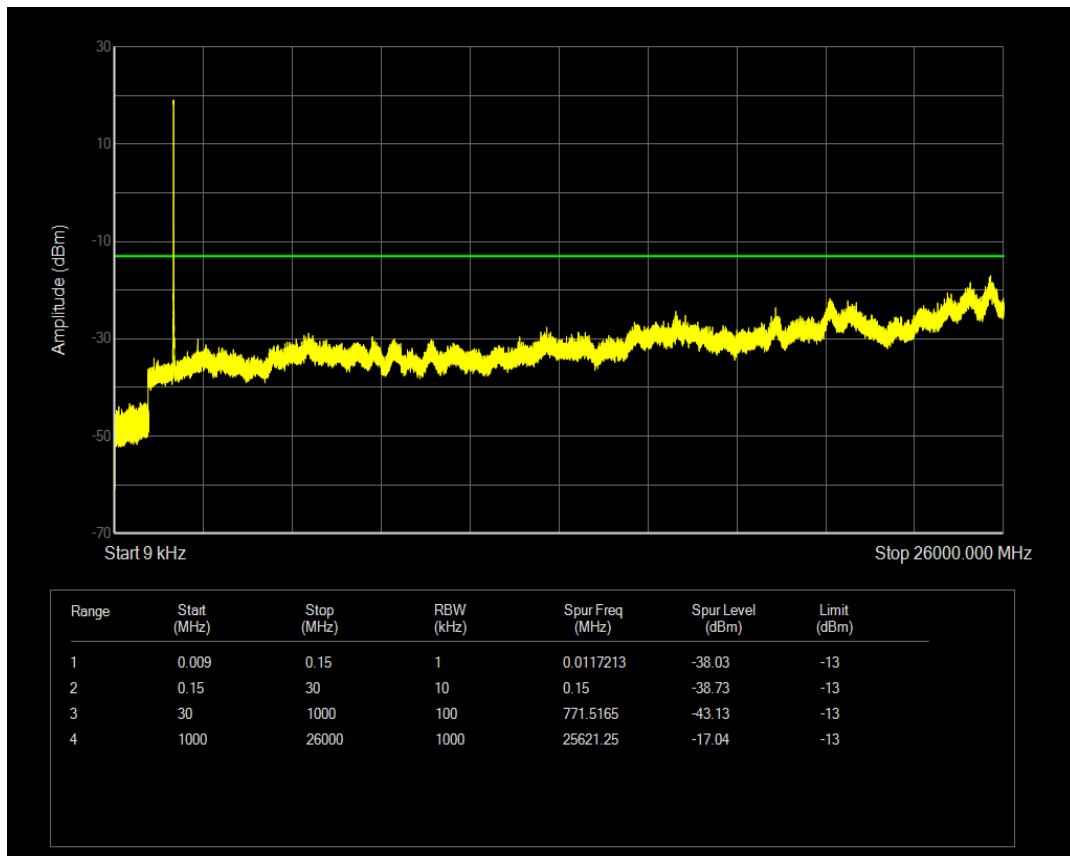
Band66 16QAM BW=5MHz Channel=132647 RB Size=25 Position=#0



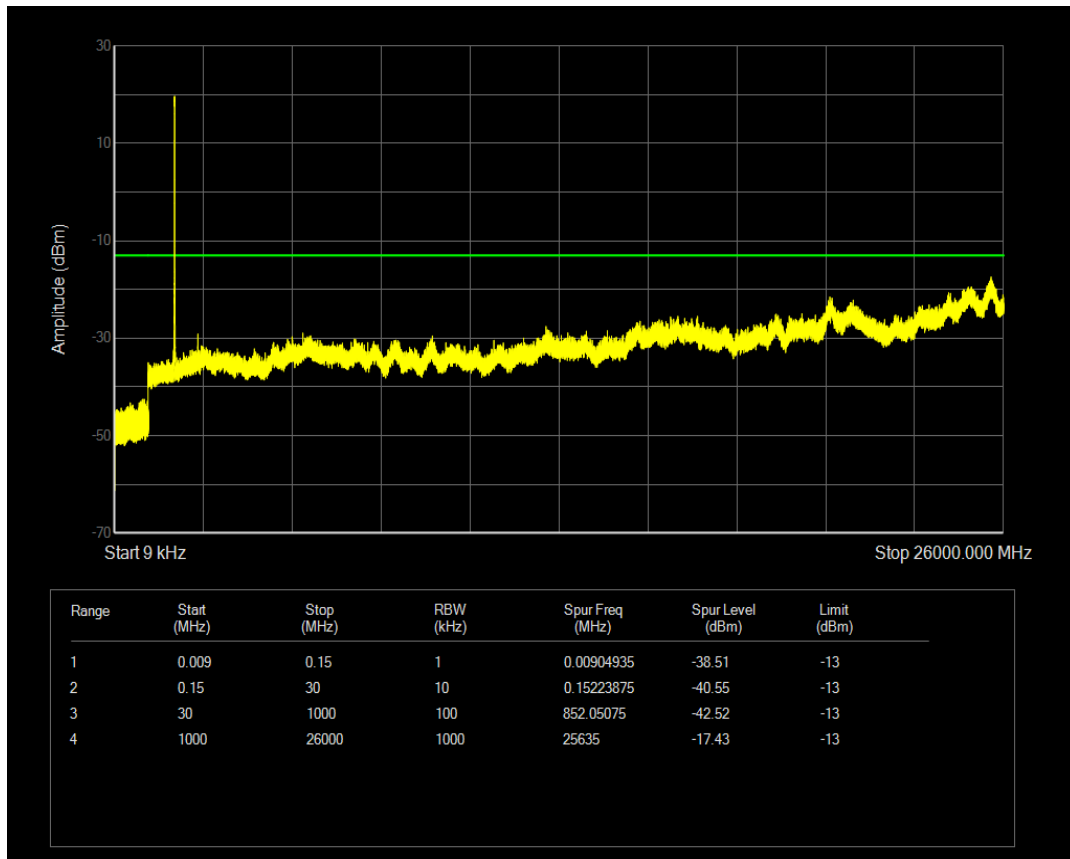
Band66 QPSK BW=10MHz Channel=132022 RB Size=50 Position=#0



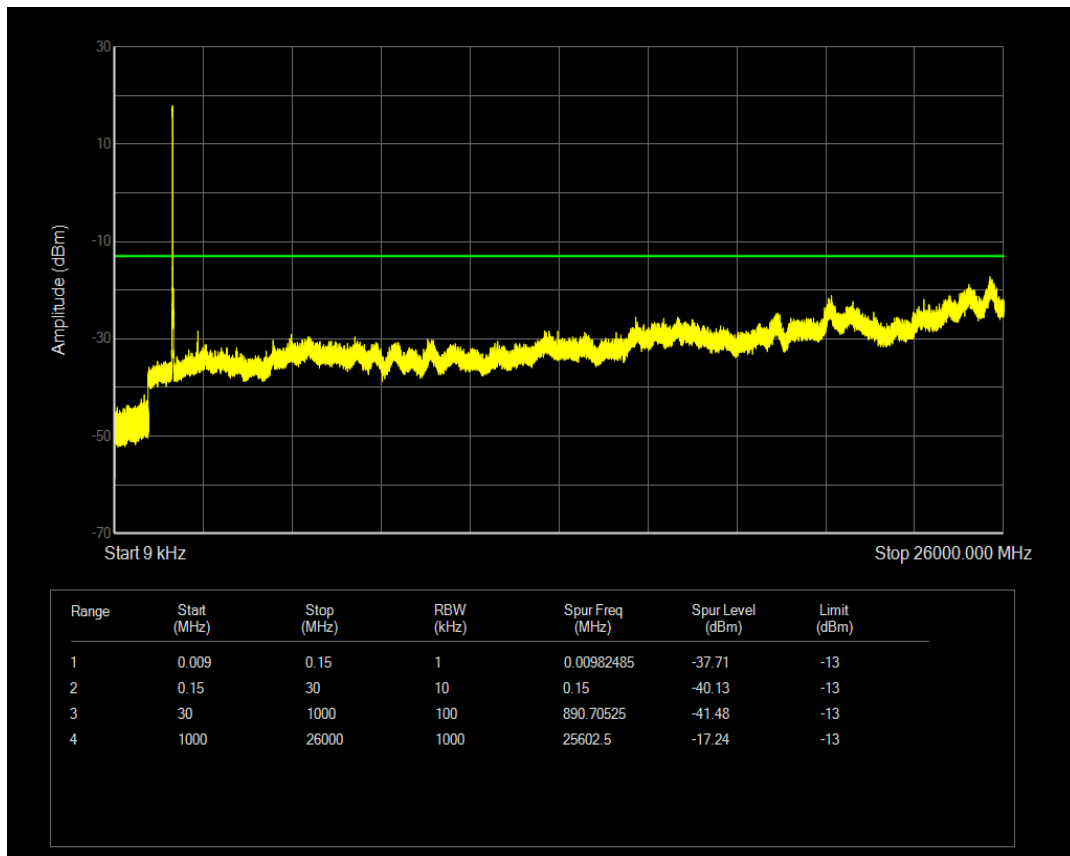
Band66 QPSK BW=10MHz Channel=132322 RB Size=50 Position=#0



Band66 QPSK BW=10MHz Channel=132622 RB Size=50 Position=#0

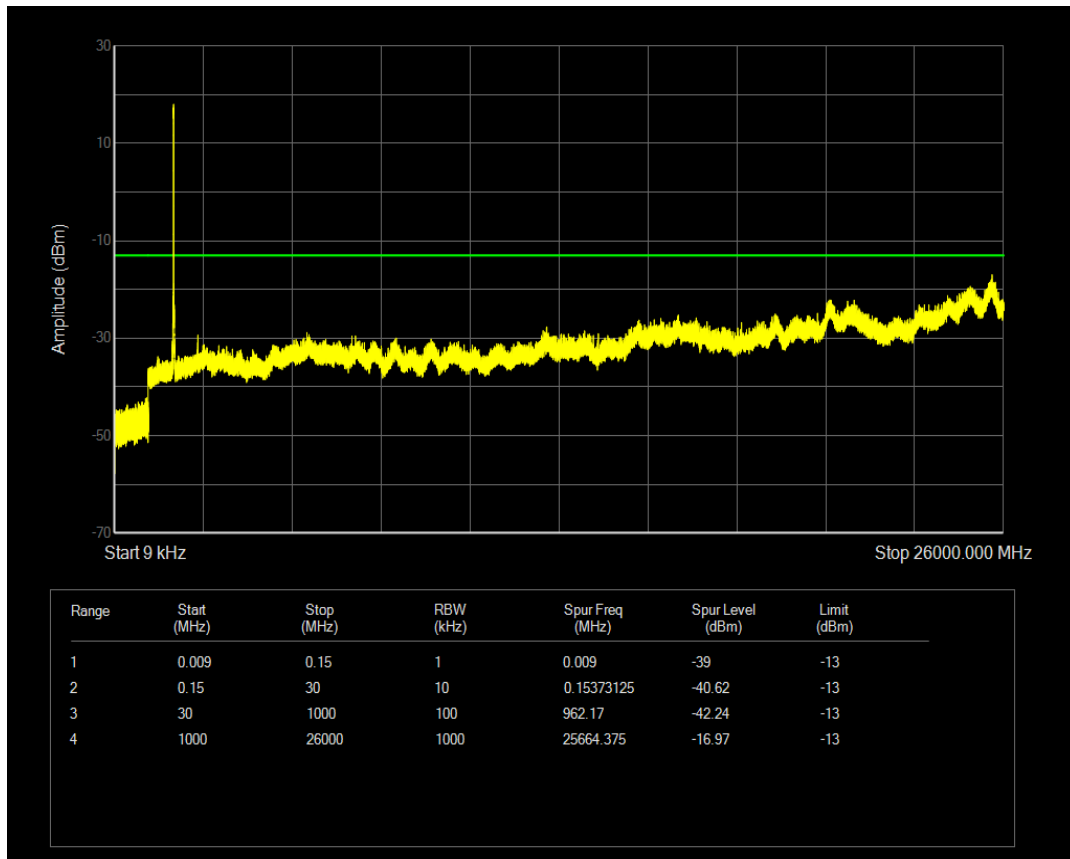


Band66 QPSK BW=15MHz Channel=132047 RB Size=75 Position=#0

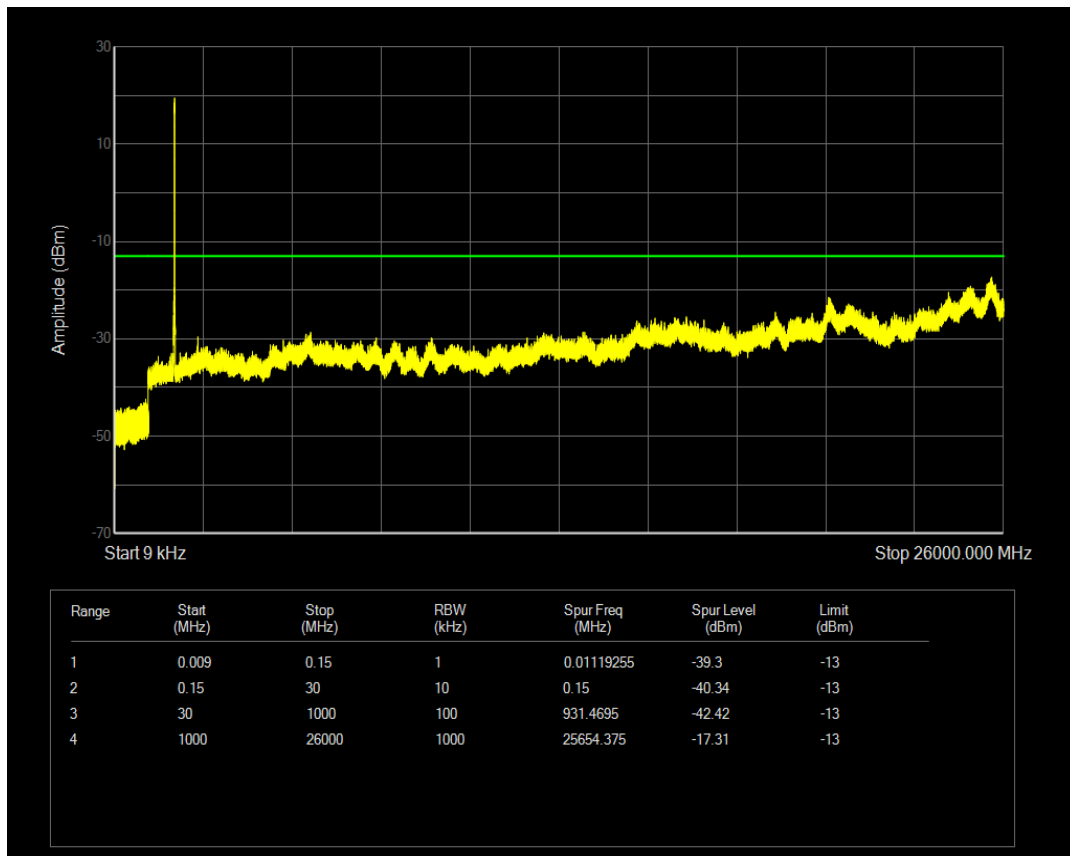


Band66 QPSK BW=15MHz Channel=132322 RB Size=75 Position=#0

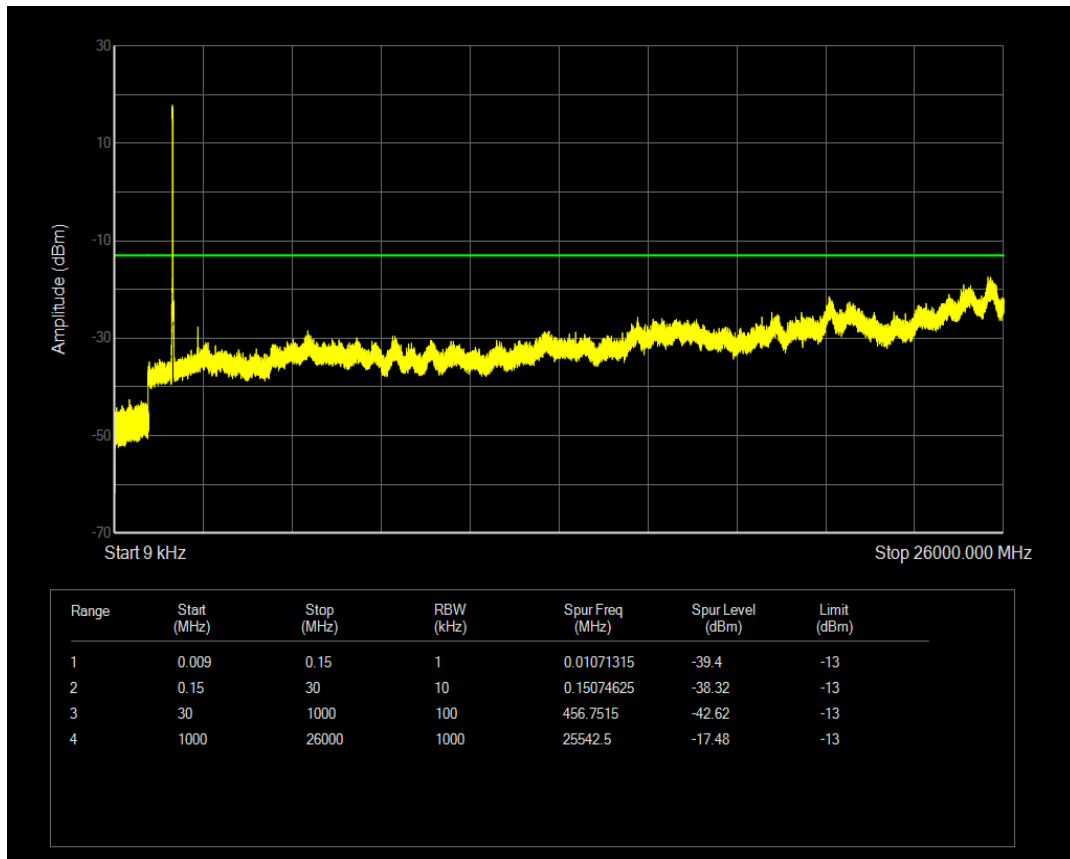




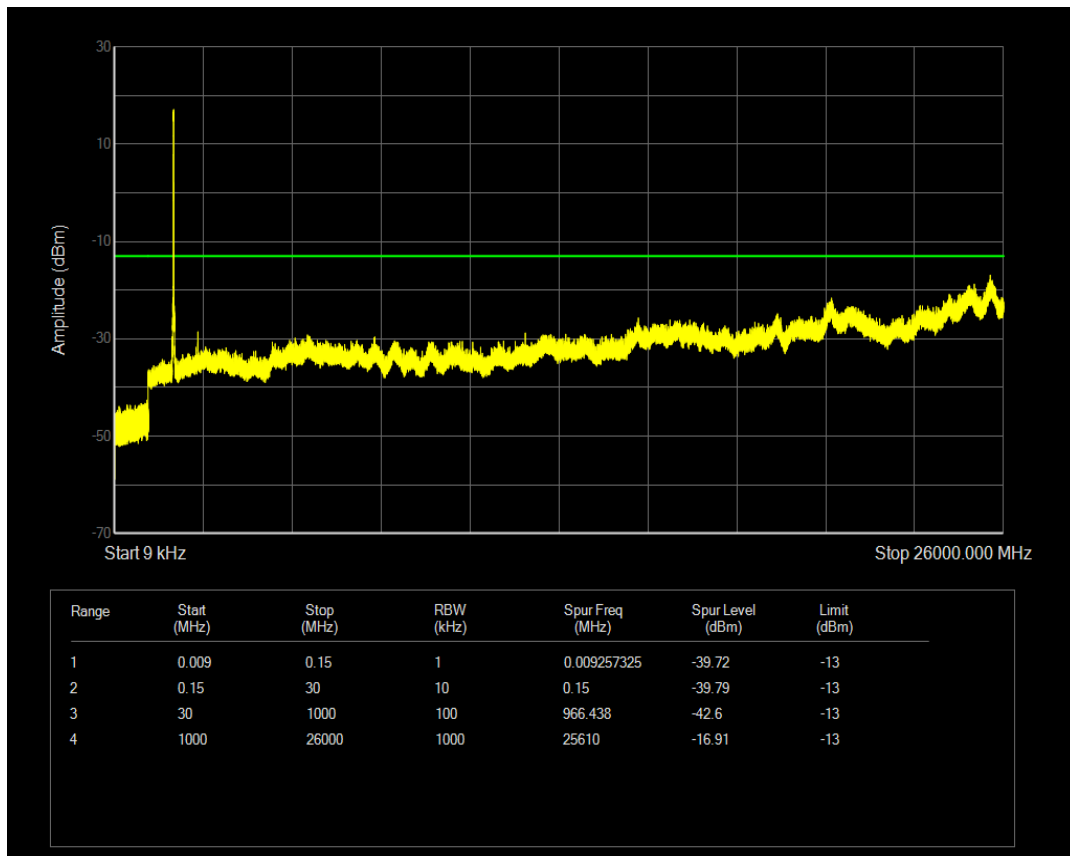
Band66 QPSK BW=15MHz Channel=132597 RB Size=75 Position=#0



Band66 QPSK BW=20MHz Channel=132072 RB Size=100 Position=#0



Band66 QPSK BW=20MHz Channel=132322 RB Size=100 Position=#0



Band66 QPSK BW=20MHz Channel=132572 RB Size=100 Position=#0

