

# Appendix for Band 41

Report No.: BCTC2506476417-5E

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Applicant: Shanghai TUGE Data Technologies Co., Ltd.

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Product Name: Smart Car Holder with Charging & WiFi

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Test Model: TC10

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Tested Date: 2025-06-24 to 2025-07-30

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Issued Date: 2025-09-03

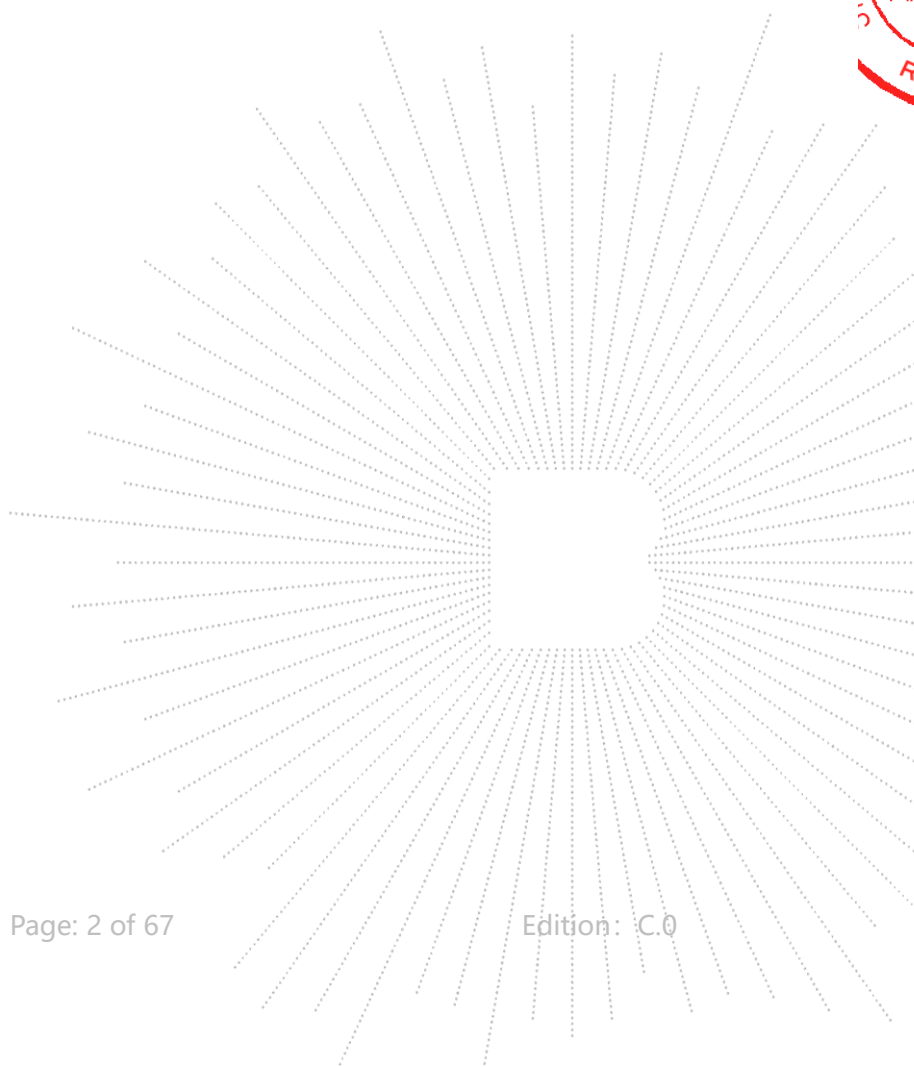
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**Shenzhen BCTC Testing Co., Ltd.**



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### Appendix 1. Conducted output power

| Band   | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Power (dBm) | Verdict |
|--------|-----------------|------------|---------|-------------|------------|-------------|---------|
| Band41 | 5               | 39675      | 1       | #0          | QPSK       | 22.43       | PASS    |
| Band41 | 5               | 39675      | 1       | #Mid        | QPSK       | 22.52       | PASS    |
| Band41 | 5               | 39675      | 1       | #Max        | QPSK       | 22.48       | PASS    |
| Band41 | 5               | 39675      | 12      | #0          | QPSK       | 21.64       | PASS    |
| Band41 | 5               | 39675      | 12      | #Mid        | QPSK       | 21.55       | PASS    |
| Band41 | 5               | 39675      | 12      | #Max        | QPSK       | 21.59       | PASS    |
| Band41 | 5               | 39675      | 25      | #0          | QPSK       | 21.53       | PASS    |
| Band41 | 5               | 39675      | 1       | #0          | 16QAM      | 21.35       | PASS    |
| Band41 | 5               | 39675      | 1       | #Mid        | 16QAM      | 21.35       | PASS    |
| Band41 | 5               | 39675      | 1       | #Max        | 16QAM      | 21.34       | PASS    |
| Band41 | 5               | 39675      | 12      | #0          | 16QAM      | 20.70       | PASS    |
| Band41 | 5               | 39675      | 12      | #Mid        | 16QAM      | 20.68       | PASS    |
| Band41 | 5               | 39675      | 12      | #Max        | 16QAM      | 20.59       | PASS    |
| Band41 | 5               | 39675      | 25      | #0          | 16QAM      | 20.64       | PASS    |
| Band41 | 5               | 40620      | 1       | #0          | QPSK       | 22.54       | PASS    |
| Band41 | 5               | 40620      | 1       | #Mid        | QPSK       | 22.57       | PASS    |
| Band41 | 5               | 40620      | 1       | #Max        | QPSK       | 22.65       | PASS    |
| Band41 | 5               | 40620      | 12      | #0          | QPSK       | 21.47       | PASS    |
| Band41 | 5               | 40620      | 12      | #Mid        | QPSK       | 21.62       | PASS    |
| Band41 | 5               | 40620      | 12      | #Max        | QPSK       | 21.51       | PASS    |
| Band41 | 5               | 40620      | 25      | #0          | QPSK       | 21.49       | PASS    |
| Band41 | 5               | 40620      | 1       | #0          | 16QAM      | 21.16       | PASS    |
| Band41 | 5               | 40620      | 1       | #Mid        | 16QAM      | 21.18       | PASS    |
| Band41 | 5               | 40620      | 1       | #Max        | 16QAM      | 21.19       | PASS    |
| Band41 | 5               | 40620      | 12      | #0          | 16QAM      | 20.50       | PASS    |
| Band41 | 5               | 40620      | 12      | #Mid        | 16QAM      | 20.47       | PASS    |
| Band41 | 5               | 40620      | 12      | #Max        | 16QAM      | 20.50       | PASS    |
| Band41 | 5               | 40620      | 25      | #0          | 16QAM      | 20.82       | PASS    |
| Band41 | 5               | 41565      | 1       | #0          | QPSK       | 22.58       | PASS    |
| Band41 | 5               | 41565      | 1       | #Mid        | QPSK       | 22.61       | PASS    |
| Band41 | 5               | 41565      | 1       | #Max        | QPSK       | 22.37       | PASS    |
| Band41 | 5               | 41565      | 12      | #0          | QPSK       | 21.66       | PASS    |
| Band41 | 5               | 41565      | 12      | #Mid        | QPSK       | 21.65       | PASS    |
| Band41 | 5               | 41565      | 12      | #Max        | QPSK       | 21.56       | PASS    |
| Band41 | 5               | 41565      | 25      | #0          | QPSK       | 21.63       | PASS    |
| Band41 | 5               | 41565      | 1       | #0          | 16QAM      | 21.38       | PASS    |
| Band41 | 5               | 41565      | 1       | #Mid        | 16QAM      | 21.36       | PASS    |
| Band41 | 5               | 41565      | 1       | #Max        | 16QAM      | 21.39       | PASS    |
| Band41 | 5               | 41565      | 12      | #0          | 16QAM      | 20.64       | PASS    |

|        |    |       |    |      |       |       |      |
|--------|----|-------|----|------|-------|-------|------|
| Band41 | 5  | 41565 | 12 | #Mid | 16QAM | 20.58 | PASS |
| Band41 | 5  | 41565 | 12 | #Max | 16QAM | 20.54 | PASS |
| Band41 | 5  | 41565 | 25 | #0   | 16QAM | 20.86 | PASS |
| Band41 | 10 | 39700 | 1  | #0   | QPSK  | 22.66 | PASS |
| Band41 | 10 | 39700 | 1  | #Mid | QPSK  | 22.75 | PASS |
| Band41 | 10 | 39700 | 1  | #Max | QPSK  | 22.75 | PASS |
| Band41 | 10 | 39700 | 25 | #0   | QPSK  | 21.57 | PASS |
| Band41 | 10 | 39700 | 25 | #Mid | QPSK  | 21.65 | PASS |
| Band41 | 10 | 39700 | 25 | #Max | QPSK  | 21.65 | PASS |
| Band41 | 10 | 39700 | 50 | #0   | QPSK  | 21.63 | PASS |
| Band41 | 10 | 39700 | 1  | #0   | 16QAM | 22.26 | PASS |
| Band41 | 10 | 39700 | 1  | #Mid | 16QAM | 22.36 | PASS |
| Band41 | 10 | 39700 | 1  | #Max | 16QAM | 22.15 | PASS |
| Band41 | 10 | 39700 | 25 | #0   | 16QAM | 20.71 | PASS |
| Band41 | 10 | 39700 | 25 | #Mid | 16QAM | 20.62 | PASS |
| Band41 | 10 | 39700 | 25 | #Max | 16QAM | 20.70 | PASS |
| Band41 | 10 | 39700 | 50 | #0   | 16QAM | 20.74 | PASS |
| Band41 | 10 | 40620 | 1  | #0   | QPSK  | 22.69 | PASS |
| Band41 | 10 | 40620 | 1  | #Mid | QPSK  | 22.67 | PASS |
| Band41 | 10 | 40620 | 1  | #Max | QPSK  | 22.66 | PASS |
| Band41 | 10 | 40620 | 25 | #0   | QPSK  | 21.47 | PASS |
| Band41 | 10 | 40620 | 25 | #Mid | QPSK  | 21.56 | PASS |
| Band41 | 10 | 40620 | 25 | #Max | QPSK  | 21.49 | PASS |
| Band41 | 10 | 40620 | 50 | #0   | QPSK  | 21.53 | PASS |
| Band41 | 10 | 40620 | 1  | #0   | 16QAM | 21.35 | PASS |
| Band41 | 10 | 40620 | 1  | #Mid | 16QAM | 21.41 | PASS |
| Band41 | 10 | 40620 | 1  | #Max | 16QAM | 21.34 | PASS |
| Band41 | 10 | 40620 | 25 | #0   | 16QAM | 20.68 | PASS |
| Band41 | 10 | 40620 | 25 | #Mid | 16QAM | 20.72 | PASS |
| Band41 | 10 | 40620 | 25 | #Max | 16QAM | 20.75 | PASS |
| Band41 | 10 | 40620 | 50 | #0   | 16QAM | 20.68 | PASS |
| Band41 | 10 | 41540 | 1  | #0   | QPSK  | 22.55 | PASS |
| Band41 | 10 | 41540 | 1  | #Mid | QPSK  | 22.57 | PASS |
| Band41 | 10 | 41540 | 1  | #Max | QPSK  | 22.47 | PASS |
| Band41 | 10 | 41540 | 25 | #0   | QPSK  | 21.66 | PASS |
| Band41 | 10 | 41540 | 25 | #Mid | QPSK  | 21.69 | PASS |
| Band41 | 10 | 41540 | 25 | #Max | QPSK  | 21.75 | PASS |
| Band41 | 10 | 41540 | 50 | #0   | QPSK  | 21.69 | PASS |
| Band41 | 10 | 41540 | 1  | #0   | 16QAM | 22.06 | PASS |
| Band41 | 10 | 41540 | 1  | #Mid | 16QAM | 21.79 | PASS |
| Band41 | 10 | 41540 | 1  | #Max | 16QAM | 21.90 | PASS |
| Band41 | 10 | 41540 | 25 | #0   | 16QAM | 20.95 | PASS |
| Band41 | 10 | 41540 | 25 | #Mid | 16QAM | 20.81 | PASS |
| Band41 | 10 | 41540 | 25 | #Max | 16QAM | 20.88 | PASS |

|        |    |       |    |      |       |       |      |
|--------|----|-------|----|------|-------|-------|------|
| Band41 | 10 | 41540 | 50 | #0   | 16QAM | 20.68 | PASS |
| Band41 | 15 | 39725 | 1  | #0   | QPSK  | 22.68 | PASS |
| Band41 | 15 | 39725 | 1  | #Mid | QPSK  | 22.74 | PASS |
| Band41 | 15 | 39725 | 1  | #Max | QPSK  | 22.72 | PASS |
| Band41 | 15 | 39725 | 36 | #0   | QPSK  | 21.56 | PASS |
| Band41 | 15 | 39725 | 36 | #Mid | QPSK  | 21.57 | PASS |
| Band41 | 15 | 39725 | 36 | #Max | QPSK  | 21.62 | PASS |
| Band41 | 15 | 39725 | 75 | #0   | QPSK  | 21.58 | PASS |
| Band41 | 15 | 39725 | 1  | #0   | 16QAM | 22.28 | PASS |
| Band41 | 15 | 39725 | 1  | #Mid | 16QAM | 22.04 | PASS |
| Band41 | 15 | 39725 | 1  | #Max | 16QAM | 22.15 | PASS |
| Band41 | 15 | 39725 | 36 | #0   | 16QAM | 20.71 | PASS |
| Band41 | 15 | 39725 | 36 | #Mid | 16QAM | 20.76 | PASS |
| Band41 | 15 | 39725 | 36 | #Max | 16QAM | 20.77 | PASS |
| Band41 | 15 | 39725 | 75 | #0   | 16QAM | 20.70 | PASS |
| Band41 | 15 | 40620 | 1  | #0   | QPSK  | 22.74 | PASS |
| Band41 | 15 | 40620 | 1  | #Mid | QPSK  | 22.73 | PASS |
| Band41 | 15 | 40620 | 1  | #Max | QPSK  | 22.79 | PASS |
| Band41 | 15 | 40620 | 36 | #0   | QPSK  | 21.46 | PASS |
| Band41 | 15 | 40620 | 36 | #Mid | QPSK  | 21.56 | PASS |
| Band41 | 15 | 40620 | 36 | #Max | QPSK  | 21.49 | PASS |
| Band41 | 15 | 40620 | 75 | #0   | QPSK  | 21.47 | PASS |
| Band41 | 15 | 40620 | 1  | #0   | 16QAM | 21.21 | PASS |
| Band41 | 15 | 40620 | 1  | #Mid | 16QAM | 21.29 | PASS |
| Band41 | 15 | 40620 | 1  | #Max | 16QAM | 21.28 | PASS |
| Band41 | 15 | 40620 | 36 | #0   | 16QAM | 20.68 | PASS |
| Band41 | 15 | 40620 | 36 | #Mid | 16QAM | 20.65 | PASS |
| Band41 | 15 | 40620 | 36 | #Max | 16QAM | 20.71 | PASS |
| Band41 | 15 | 40620 | 75 | #0   | 16QAM | 20.61 | PASS |
| Band41 | 15 | 41515 | 1  | #0   | QPSK  | 22.62 | PASS |
| Band41 | 15 | 41515 | 1  | #Mid | QPSK  | 22.64 | PASS |
| Band41 | 15 | 41515 | 1  | #Max | QPSK  | 22.56 | PASS |
| Band41 | 15 | 41515 | 36 | #0   | QPSK  | 21.58 | PASS |
| Band41 | 15 | 41515 | 36 | #Mid | QPSK  | 21.57 | PASS |
| Band41 | 15 | 41515 | 36 | #Max | QPSK  | 21.60 | PASS |
| Band41 | 15 | 41515 | 75 | #0   | QPSK  | 21.56 | PASS |
| Band41 | 15 | 41515 | 1  | #0   | 16QAM | 21.61 | PASS |
| Band41 | 15 | 41515 | 1  | #Mid | 16QAM | 21.76 | PASS |
| Band41 | 15 | 41515 | 1  | #Max | 16QAM | 21.70 | PASS |
| Band41 | 15 | 41515 | 36 | #0   | 16QAM | 20.64 | PASS |
| Band41 | 15 | 41515 | 36 | #Mid | 16QAM | 20.66 | PASS |
| Band41 | 15 | 41515 | 36 | #Max | 16QAM | 20.60 | PASS |
| Band41 | 15 | 41515 | 75 | #0   | 16QAM | 20.75 | PASS |
| Band41 | 20 | 39750 | 1  | #0   | QPSK  | 22.57 | PASS |

|        |    |       |     |      |       |       |      |
|--------|----|-------|-----|------|-------|-------|------|
| Band41 | 20 | 39750 | 1   | #Mid | QPSK  | 22.53 | PASS |
| Band41 | 20 | 39750 | 1   | #Max | QPSK  | 22.46 | PASS |
| Band41 | 20 | 39750 | 50  | #0   | QPSK  | 21.54 | PASS |
| Band41 | 20 | 39750 | 50  | #Mid | QPSK  | 21.69 | PASS |
| Band41 | 20 | 39750 | 50  | #Max | QPSK  | 21.56 | PASS |
| Band41 | 20 | 39750 | 100 | #0   | QPSK  | 21.51 | PASS |
| Band41 | 20 | 39750 | 1   | #0   | 16QAM | 21.27 | PASS |
| Band41 | 20 | 39750 | 1   | #Mid | 16QAM | 21.28 | PASS |
| Band41 | 20 | 39750 | 1   | #Max | 16QAM | 21.21 | PASS |
| Band41 | 20 | 39750 | 50  | #0   | 16QAM | 20.83 | PASS |
| Band41 | 20 | 39750 | 50  | #Mid | 16QAM | 20.82 | PASS |
| Band41 | 20 | 39750 | 50  | #Max | 16QAM | 20.85 | PASS |
| Band41 | 20 | 39750 | 100 | #0   | 16QAM | 20.77 | PASS |
| Band41 | 20 | 40620 | 1   | #0   | QPSK  | 22.51 | PASS |
| Band41 | 20 | 40620 | 1   | #Mid | QPSK  | 22.67 | PASS |
| Band41 | 20 | 40620 | 1   | #Max | QPSK  | 22.69 | PASS |
| Band41 | 20 | 40620 | 50  | #0   | QPSK  | 21.51 | PASS |
| Band41 | 20 | 40620 | 50  | #Mid | QPSK  | 21.61 | PASS |
| Band41 | 20 | 40620 | 50  | #Max | QPSK  | 21.55 | PASS |
| Band41 | 20 | 40620 | 100 | #0   | QPSK  | 21.57 | PASS |
| Band41 | 20 | 40620 | 1   | #0   | 16QAM | 20.68 | PASS |
| Band41 | 20 | 40620 | 1   | #Mid | 16QAM | 20.72 | PASS |
| Band41 | 20 | 40620 | 1   | #Max | 16QAM | 20.66 | PASS |
| Band41 | 20 | 40620 | 50  | #0   | 16QAM | 20.57 | PASS |
| Band41 | 20 | 40620 | 50  | #Mid | 16QAM | 20.70 | PASS |
| Band41 | 20 | 40620 | 50  | #Max | 16QAM | 20.65 | PASS |
| Band41 | 20 | 40620 | 100 | #0   | 16QAM | 20.45 | PASS |
| Band41 | 20 | 41490 | 1   | #0   | QPSK  | 22.76 | PASS |
| Band41 | 20 | 41490 | 1   | #Mid | QPSK  | 22.71 | PASS |
| Band41 | 20 | 41490 | 1   | #Max | QPSK  | 22.75 | PASS |
| Band41 | 20 | 41490 | 50  | #0   | QPSK  | 21.53 | PASS |
| Band41 | 20 | 41490 | 50  | #Mid | QPSK  | 21.53 | PASS |
| Band41 | 20 | 41490 | 50  | #Max | QPSK  | 21.54 | PASS |
| Band41 | 20 | 41490 | 100 | #0   | QPSK  | 21.51 | PASS |
| Band41 | 20 | 41490 | 1   | #0   | 16QAM | 21.82 | PASS |
| Band41 | 20 | 41490 | 1   | #Mid | 16QAM | 21.86 | PASS |
| Band41 | 20 | 41490 | 1   | #Max | 16QAM | 21.77 | PASS |
| Band41 | 20 | 41490 | 50  | #0   | 16QAM | 20.78 | PASS |
| Band41 | 20 | 41490 | 50  | #Mid | 16QAM | 20.71 | PASS |
| Band41 | 20 | 41490 | 50  | #Max | 16QAM | 20.70 | PASS |
| Band41 | 20 | 41490 | 100 | #0   | 16QAM | 20.70 | 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 41 | 5               | 39675      | 25      | #0          | QPSK       | LV            | NT              | 20.80       | 0.008        | -2.5            | 2.5              | PASS    |
| Band 41 | 5               | 39675      | 25      | #0          | QPSK       | NV            | NT              | 10.14       | 0.004        | -2.5            | 2.5              | PASS    |
| Band 41 | 5               | 39675      | 25      | #0          | QPSK       | HV            | NT              | -1.10       | 0.000        | -2.5            | 2.5              | PASS    |
| Band 41 | 5               | 39675      | 25      | #0          | 16QAM      | LV            | NT              | -9.24       | -0.004       | -2.5            | 2.5              | PASS    |
| Band 41 | 5               | 39675      | 25      | #0          | 16QAM      | NV            | NT              | -20.00      | -0.008       | -2.5            | 2.5              | PASS    |
| Band 41 | 5               | 39675      | 25      | #0          | 16QAM      | HV            | NT              | -28.08      | -0.011       | -2.5            | 2.5              | PASS    |
| Band 41 | 5               | 40620      | 25      | #0          | QPSK       | LV            | NT              | -11.09      | -0.004       | -2.5            | 2.5              | PASS    |
| Band 41 | 5               | 40620      | 25      | #0          | QPSK       | NV            | NT              | -27.17      | -0.010       | -2.5            | 2.5              | PASS    |
| Band 41 | 5               | 40620      | 25      | #0          | QPSK       | HV            | NT              | -43.60      | -0.017       | -2.5            | 2.5              | PASS    |
| Band 41 | 5               | 40620      | 25      | #0          | 16QAM      | LV            | NT              | -7.22       | -0.003       | -2.5            | 2.5              | PASS    |
| Band 41 | 5               | 40620      | 25      | #0          | 16QAM      | NV            | NT              | -22.75      | -0.009       | -2.5            | 2.5              | PASS    |
| Band 41 | 5               | 40620      | 25      | #0          | 16QAM      | HV            | NT              | -29.88      | -0.012       | -2.5            | 2.5              | PASS    |
| Band 41 | 5               | 41565      | 25      | #0          | QPSK       | LV            | NT              | -4.12       | -0.002       | -2.5            | 2.5              | PASS    |
| Band 41 | 5               | 41565      | 25      | #0          | QPSK       | NV            | NT              | -18.51      | -0.007       | -2.5            | 2.5              | PASS    |
| Band 41 | 5               | 41565      | 25      | #0          | QPSK       | HV            | NT              | -41.34      | -0.015       | -2.5            | 2.5              | PASS    |
| Band 41 | 5               | 41565      | 25      | #0          | 16QAM      | LV            | NT              | -23.29      | -0.009       | -2.5            | 2.5              | PASS    |
| Band 41 | 5               | 41565      | 25      | #0          | 16QAM      | NV            | NT              | -44.19      | -0.016       | -2.5            | 2.5              | PASS    |
| Band 41 | 5               | 41565      | 25      | #0          | 16QAM      | HV            | NT              | -1.30       | 0.000        | -2.5            | 2.5              | PASS    |



|         |    |       |    |    |       |    |    |        |        |      |     |      |
|---------|----|-------|----|----|-------|----|----|--------|--------|------|-----|------|
| Band 41 | 10 | 39700 | 50 | #0 | QPSK  | LV | NT | -22.95 | -0.009 | -2.5 | 2.5 | PASS |
| Band 41 | 10 | 39700 | 50 | #0 | QPSK  | NV | NT | -40.27 | -0.016 | -2.5 | 2.5 | PASS |
| Band 41 | 10 | 39700 | 50 | #0 | QPSK  | HV | NT | 7.37   | 0.003  | -2.5 | 2.5 | PASS |
| Band 41 | 10 | 39700 | 50 | #0 | 16QAM | LV | NT | -5.29  | -0.002 | -2.5 | 2.5 | PASS |
| Band 41 | 10 | 39700 | 50 | #0 | 16QAM | NV | NT | -13.09 | -0.005 | -2.5 | 2.5 | PASS |
| Band 41 | 10 | 39700 | 50 | #0 | 16QAM | HV | NT | -25.61 | -0.010 | -2.5 | 2.5 | PASS |
| Band 41 | 10 | 40620 | 50 | #0 | QPSK  | LV | NT | -16.57 | -0.006 | -2.5 | 2.5 | PASS |
| Band 41 | 10 | 40620 | 50 | #0 | QPSK  | NV | NT | -35.75 | -0.014 | -2.5 | 2.5 | PASS |
| Band 41 | 10 | 40620 | 50 | #0 | QPSK  | HV | NT | -45.33 | -0.017 | -2.5 | 2.5 | PASS |
| Band 41 | 10 | 40620 | 50 | #0 | 16QAM | LV | NT | -15.09 | -0.006 | -2.5 | 2.5 | PASS |
| Band 41 | 10 | 40620 | 50 | #0 | 16QAM | NV | NT | -25.66 | -0.010 | -2.5 | 2.5 | PASS |
| Band 41 | 10 | 40620 | 50 | #0 | 16QAM | HV | NT | -38.90 | -0.015 | -2.5 | 2.5 | PASS |
| Band 41 | 10 | 41540 | 50 | #0 | QPSK  | LV | NT | -16.79 | -0.006 | -2.5 | 2.5 | PASS |
| Band 41 | 10 | 41540 | 50 | #0 | QPSK  | NV | NT | -41.61 | -0.015 | -2.5 | 2.5 | PASS |
| Band 41 | 10 | 41540 | 50 | #0 | QPSK  | HV | NT | -0.63  | 0.000  | -2.5 | 2.5 | PASS |
| Band 41 | 10 | 41540 | 50 | #0 | 16QAM | LV | NT | -23.72 | -0.009 | -2.5 | 2.5 | PASS |
| Band 41 | 10 | 41540 | 50 | #0 | 16QAM | NV | NT | -45.13 | -0.017 | -2.5 | 2.5 | PASS |
| Band 41 | 10 | 41540 | 50 | #0 | 16QAM | HV | NT | -28.22 | -0.011 | -2.5 | 2.5 | PASS |
| Band 41 | 15 | 39725 | 75 | #0 | QPSK  | LV | NT | 7.90   | 0.003  | -2.5 | 2.5 | PASS |
| Band 41 | 15 | 39725 | 75 | #0 | QPSK  | NV | NT | -18.70 | -0.007 | -2.5 | 2.5 | PASS |
| Band 41 | 15 | 39725 | 75 | #0 | QPSK  | HV | NT | -31.37 | -0.013 | -2.5 | 2.5 | PASS |
| Band 41 | 15 | 39725 | 75 | #0 | 16QAM | LV | NT | -47.15 | -0.019 | -2.5 | 2.5 | PASS |





|         |    |       |     |    |       |    |    |        |        |      |     |      |
|---------|----|-------|-----|----|-------|----|----|--------|--------|------|-----|------|
| Band 41 | 15 | 39725 | 75  | #0 | 16QAM | NV | NT | -20.84 | -0.008 | -2.5 | 2.5 | PASS |
| Band 41 | 15 | 39725 | 75  | #0 | 16QAM | HV | NT | -31.01 | -0.012 | -2.5 | 2.5 | PASS |
| Band 41 | 15 | 40620 | 75  | #0 | QPSK  | LV | NT | -1.83  | -0.001 | -2.5 | 2.5 | PASS |
| Band 41 | 15 | 40620 | 75  | #0 | QPSK  | NV | NT | -25.65 | -0.010 | -2.5 | 2.5 | PASS |
| Band 41 | 15 | 40620 | 75  | #0 | QPSK  | HV | NT | -43.57 | -0.017 | -2.5 | 2.5 | PASS |
| Band 41 | 15 | 40620 | 75  | #0 | 16QAM | LV | NT | -9.16  | -0.004 | -2.5 | 2.5 | PASS |
| Band 41 | 15 | 40620 | 75  | #0 | 16QAM | NV | NT | -24.19 | -0.009 | -2.5 | 2.5 | PASS |
| Band 41 | 15 | 40620 | 75  | #0 | 16QAM | HV | NT | -38.51 | -0.015 | -2.5 | 2.5 | PASS |
| Band 41 | 15 | 41515 | 75  | #0 | QPSK  | LV | NT | -4.95  | -0.002 | -2.5 | 2.5 | PASS |
| Band 41 | 15 | 41515 | 75  | #0 | QPSK  | NV | NT | -37.45 | -0.014 | -2.5 | 2.5 | PASS |
| Band 41 | 15 | 41515 | 75  | #0 | QPSK  | HV | NT | -28.21 | -0.011 | -2.5 | 2.5 | PASS |
| Band 41 | 15 | 41515 | 75  | #0 | 16QAM | LV | NT | -15.65 | -0.006 | -2.5 | 2.5 | PASS |
| Band 41 | 15 | 41515 | 75  | #0 | 16QAM | NV | NT | -25.76 | -0.010 | -2.5 | 2.5 | PASS |
| Band 41 | 15 | 41515 | 75  | #0 | 16QAM | HV | NT | -28.64 | -0.011 | -2.5 | 2.5 | PASS |
| Band 41 | 20 | 39750 | 100 | #0 | QPSK  | LV | NT | 12.73  | 0.005  | -2.5 | 2.5 | PASS |
| Band 41 | 20 | 39750 | 100 | #0 | QPSK  | NV | NT | -7.28  | -0.003 | -2.5 | 2.5 | PASS |
| Band 41 | 20 | 39750 | 100 | #0 | QPSK  | HV | NT | -20.84 | -0.008 | -2.5 | 2.5 | PASS |
| Band 41 | 20 | 39750 | 100 | #0 | 16QAM | LV | NT | -31.71 | -0.013 | -2.5 | 2.5 | PASS |
| Band 41 | 20 | 39750 | 100 | #0 | 16QAM | NV | NT | -42.96 | -0.017 | -2.5 | 2.5 | PASS |
| Band 41 | 20 | 39750 | 100 | #0 | 16QAM | HV | NT | -5.26  | -0.002 | -2.5 | 2.5 | PASS |
| Band 41 | 20 | 40620 | 100 | #0 | QPSK  | LV | NT | -17.97 | -0.007 | -2.5 | 2.5 | PASS |
| Band 41 | 20 | 40620 | 100 | #0 | QPSK  | NV | NT | -35.96 | -0.014 | -2.5 | 2.5 | PASS |

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|         |    |       |     |    |       |    |    |        |        |      |     |      |
|---------|----|-------|-----|----|-------|----|----|--------|--------|------|-----|------|
| Band 41 | 20 | 40620 | 100 | #0 | QPSK  | HV | NT | -23.40 | -0.09  | -2.5 | 2.5 | PASS |
| Band 41 | 20 | 40620 | 100 | #0 | 16QAM | LV | NT | -33.23 | -0.013 | -2.5 | 2.5 | PASS |
| Band 41 | 20 | 40620 | 100 | #0 | 16QAM | NV | NT | -41.06 | -0.016 | -2.5 | 2.5 | PASS |
| Band 41 | 20 | 40620 | 100 | #0 | 16QAM | HV | NT | 4.55   | 0.002  | -2.5 | 2.5 | PASS |
| Band 41 | 20 | 41490 | 100 | #0 | QPSK  | LV | NT | -23.29 | -0.09  | -2.5 | 2.5 | PASS |
| Band 41 | 20 | 41490 | 100 | #0 | QPSK  | NV | NT | -20.86 | -0.08  | -2.5 | 2.5 | PASS |
| Band 41 | 20 | 41490 | 100 | #0 | QPSK  | HV | NT | -19.38 | -0.07  | -2.5 | 2.5 | PASS |
| Band 41 | 20 | 41490 | 100 | #0 | 16QAM | LV | NT | -33.32 | -0.012 | -2.5 | 2.5 | PASS |
| Band 41 | 20 | 41490 | 100 | #0 | 16QAM | NV | NT | -40.13 | -0.015 | -2.5 | 2.5 | PASS |
| Band 41 | 20 | 41490 | 100 | #0 | 16QAM | HV | NT | -3.66  | -0.01  | -2.5 | 2.5 | PASS |

| 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 41 | 5               | 39675      | 25      | #0          | QPSK       | NV            | -30             | 1.69        | 0.001        | -2.5            | 2.5              | PASS    |
| Band 41 | 5               | 39675      | 25      | #0          | QPSK       | NV            | -20             | -4.53       | -0.002       | -2.5            | 2.5              | PASS    |
| Band 41 | 5               | 39675      | 25      | #0          | QPSK       | NV            | 0               | -3.48       | -0.001       | -2.5            | 2.5              | PASS    |
| Band 41 | 5               | 39675      | 25      | #0          | QPSK       | NV            | 10              | -3.15       | -0.001       | -2.5            | 2.5              | PASS    |
| Band 41 | 5               | 39675      | 25      | #0          | QPSK       | NV            | 20              | -4.92       | -0.002       | -2.5            | 2.5              | PASS    |
| Band 41 | 5               | 39675      | 25      | #0          | QPSK       | NV            | 30              | -7.84       | -0.003       | -2.5            | 2.5              | PASS    |
| Band 41 | 5               | 39675      | 25      | #0          | QPSK       | NV            | 40              | -9.16       | -0.004       | -2.5            | 2.5              | PASS    |
| Band 41 | 5               | 39675      | 25      | #0          | QPSK       | NV            | 50              | -11.80      | -0.005       | -2.5            | 2.5              | PASS    |
| Band    | 5               | 39675      | 25      | #0          | 16QAM      | NV            | -30             | -17.        | -0.0         | -2.5            | 2.5              | PASS    |



|         |   |       |    |    |       |    |     |        |        |      |     |       |
|---------|---|-------|----|----|-------|----|-----|--------|--------|------|-----|-------|
| 41      |   |       |    |    |       |    |     | 68     | 07     |      |     | S     |
| Band 41 | 5 | 39675 | 25 | #0 | 16QAM | NV | -20 | -20.40 | -0.08  | -2.5 | 2.5 | PAS S |
| Band 41 | 5 | 39675 | 25 | #0 | 16QAM | NV | 0   | -20.64 | -0.08  | -2.5 | 2.5 | PAS S |
| Band 41 | 5 | 39675 | 25 | #0 | 16QAM | NV | 10  | -26.72 | -0.01  | -2.5 | 2.5 | PAS S |
| Band 41 | 5 | 39675 | 25 | #0 | 16QAM | NV | 20  | -24.91 | -0.010 | -2.5 | 2.5 | PAS S |
| Band 41 | 5 | 39675 | 25 | #0 | 16QAM | NV | 30  | -27.82 | -0.01  | -2.5 | 2.5 | PAS S |
| Band 41 | 5 | 39675 | 25 | #0 | 16QAM | NV | 40  | -30.21 | -0.012 | -2.5 | 2.5 | PAS S |
| Band 41 | 5 | 39675 | 25 | #0 | 16QAM | NV | 50  | -29.68 | -0.012 | -2.5 | 2.5 | PAS S |
| Band 41 | 5 | 40620 | 25 | #0 | QPSK  | NV | -30 | 6.90   | 0.003  | -2.5 | 2.5 | PAS S |
| Band 41 | 5 | 40620 | 25 | #0 | QPSK  | NV | -20 | -0.30  | 0.000  | -2.5 | 2.5 | PAS S |
| Band 41 | 5 | 40620 | 25 | #0 | QPSK  | NV | 0   | -2.93  | -0.001 | -2.5 | 2.5 | PAS S |
| Band 41 | 5 | 40620 | 25 | #0 | QPSK  | NV | 10  | -9.16  | -0.004 | -2.5 | 2.5 | PAS S |
| Band 41 | 5 | 40620 | 25 | #0 | QPSK  | NV | 20  | -10.86 | -0.004 | -2.5 | 2.5 | PAS S |
| Band 41 | 5 | 40620 | 25 | #0 | QPSK  | NV | 30  | -12.80 | -0.005 | -2.5 | 2.5 | PAS S |
| Band 41 | 5 | 40620 | 25 | #0 | QPSK  | NV | 40  | -14.96 | -0.006 | -2.5 | 2.5 | PAS S |
| Band 41 | 5 | 40620 | 25 | #0 | QPSK  | NV | 50  | -17.94 | -0.007 | -2.5 | 2.5 | PAS S |
| Band 41 | 5 | 40620 | 25 | #0 | 16QAM | NV | -30 | -19.17 | -0.007 | -2.5 | 2.5 | PAS S |
| Band 41 | 5 | 40620 | 25 | #0 | 16QAM | NV | -20 | -21.41 | -0.008 | -2.5 | 2.5 | PAS S |
| Band 41 | 5 | 40620 | 25 | #0 | 16QAM | NV | 0   | -21.72 | -0.008 | -2.5 | 2.5 | PAS S |
| Band 41 | 5 | 40620 | 25 | #0 | 16QAM | NV | 10  | -21.83 | -0.008 | -2.5 | 2.5 | PAS S |
| Band 41 | 5 | 40620 | 25 | #0 | 16QAM | NV | 20  | -20.87 | -0.008 | -2.5 | 2.5 | PAS S |
| Band 41 | 5 | 40620 | 25 | #0 | 16QAM | NV | 30  | -19.07 | -0.007 | -2.5 | 2.5 | PAS S |
| Band 41 | 5 | 40620 | 25 | #0 | 16QAM | NV | 40  | -15.15 | -0.007 | -2.5 | 2.5 | PAS S |

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|         |    |       |    |    |       |    |     |        |        |      |     |       |
|---------|----|-------|----|----|-------|----|-----|--------|--------|------|-----|-------|
| 41      |    |       |    |    |       |    |     | 06     | 06     |      |     | S     |
| Band 41 | 5  | 40620 | 25 | #0 | 16QAM | NV | 50  | -13.55 | -0.005 | -2.5 | 2.5 | PAS S |
| Band 41 | 5  | 41565 | 25 | #0 | QPSK  | NV | -30 | 16.54  | 0.006  | -2.5 | 2.5 | PAS S |
| Band 41 | 5  | 41565 | 25 | #0 | QPSK  | NV | -20 | 5.11   | 0.002  | -2.5 | 2.5 | PAS S |
| Band 41 | 5  | 41565 | 25 | #0 | QPSK  | NV | 0   | -2.36  | -0.001 | -2.5 | 2.5 | PAS S |
| Band 41 | 5  | 41565 | 25 | #0 | QPSK  | NV | 10  | -9.78  | -0.004 | -2.5 | 2.5 | PAS S |
| Band 41 | 5  | 41565 | 25 | #0 | QPSK  | NV | 20  | -17.55 | -0.007 | -2.5 | 2.5 | PAS S |
| Band 41 | 5  | 41565 | 25 | #0 | QPSK  | NV | 30  | -26.16 | -0.010 | -2.5 | 2.5 | PAS S |
| Band 41 | 5  | 41565 | 25 | #0 | QPSK  | NV | 40  | -34.22 | -0.013 | -2.5 | 2.5 | PAS S |
| Band 41 | 5  | 41565 | 25 | #0 | QPSK  | NV | 50  | -46.09 | -0.017 | -2.5 | 2.5 | PAS S |
| Band 41 | 5  | 41565 | 25 | #0 | 16QAM | NV | -30 | 6.42   | 0.002  | -2.5 | 2.5 | PAS S |
| Band 41 | 5  | 41565 | 25 | #0 | 16QAM | NV | -20 | -2.26  | -0.001 | -2.5 | 2.5 | PAS S |
| Band 41 | 5  | 41565 | 25 | #0 | 16QAM | NV | 0   | -8.84  | -0.003 | -2.5 | 2.5 | PAS S |
| Band 41 | 5  | 41565 | 25 | #0 | 16QAM | NV | 10  | -15.19 | -0.006 | -2.5 | 2.5 | PAS S |
| Band 41 | 5  | 41565 | 25 | #0 | 16QAM | NV | 20  | -25.31 | -0.009 | -2.5 | 2.5 | PAS S |
| Band 41 | 5  | 41565 | 25 | #0 | 16QAM | NV | 30  | -32.56 | -0.012 | -2.5 | 2.5 | PAS S |
| Band 41 | 5  | 41565 | 25 | #0 | 16QAM | NV | 40  | -41.08 | -0.015 | -2.5 | 2.5 | PAS S |
| Band 41 | 5  | 41565 | 25 | #0 | 16QAM | NV | 50  | -50.54 | -0.019 | -2.5 | 2.5 | PAS S |
| Band 41 | 10 | 39700 | 50 | #0 | QPSK  | NV | -30 | 45.92  | 0.008  | -2.5 | 2.5 | PAS S |
| Band 41 | 10 | 39700 | 50 | #0 | QPSK  | NV | -20 | 41.91  | 0.007  | -2.5 | 2.5 | PAS S |
| Band 41 | 10 | 39700 | 50 | #0 | QPSK  | NV | 0   | 43.64  | 0.007  | -2.5 | 2.5 | PAS S |
| Band 41 | 10 | 39700 | 50 | #0 | QPSK  | NV | 10  | 47.61  | 0.009  | -2.5 | 2.5 | PAS S |
| Band 41 | 10 | 39700 | 50 | #0 | QPSK  | NV | 20  | 7.97   | 0.000  | -2.5 | 2.5 | PAS S |

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|         |    |       |    |    |       |    |     |        |        |      |     |       |
|---------|----|-------|----|----|-------|----|-----|--------|--------|------|-----|-------|
| 41      |    |       |    |    |       |    |     | 3      |        |      |     | S     |
| Band 41 | 10 | 39700 | 50 | #0 | QPSK  | NV | 30  | -10.39 | -0.004 | -2.5 | 2.5 | PAS S |
| Band 41 | 10 | 39700 | 50 | #0 | QPSK  | NV | 40  | -8.91  | -0.004 | -2.5 | 2.5 | PAS S |
| Band 41 | 10 | 39700 | 50 | #0 | QPSK  | NV | 50  | -5.15  | -0.002 | -2.5 | 2.5 | PAS S |
| Band 41 | 10 | 39700 | 50 | #0 | 16QAM | NV | -30 | -1.22  | 0.000  | -2.5 | 2.5 | PAS S |
| Band 41 | 10 | 39700 | 50 | #0 | 16QAM | NV | -20 | 3.99   | 0.002  | -2.5 | 2.5 | PAS S |
| Band 41 | 10 | 39700 | 50 | #0 | 16QAM | NV | 0   | 8.14   | 0.003  | -2.5 | 2.5 | PAS S |
| Band 41 | 10 | 39700 | 50 | #0 | 16QAM | NV | 10  | 12.46  | 0.005  | -2.5 | 2.5 | PAS S |
| Band 41 | 10 | 39700 | 50 | #0 | 16QAM | NV | 20  | 14.66  | 0.006  | -2.5 | 2.5 | PAS S |
| Band 41 | 10 | 39700 | 50 | #0 | 16QAM | NV | 30  | 15.94  | 0.006  | -2.5 | 2.5 | PAS S |
| Band 41 | 10 | 39700 | 50 | #0 | 16QAM | NV | 40  | 18.87  | 0.008  | -2.5 | 2.5 | PAS S |
| Band 41 | 10 | 39700 | 50 | #0 | 16QAM | NV | 50  | 23.45  | 0.009  | -2.5 | 2.5 | PAS S |
| Band 41 | 10 | 40620 | 50 | #0 | QPSK  | NV | -30 | 2.39   | 0.001  | -2.5 | 2.5 | PAS S |
| Band 41 | 10 | 40620 | 50 | #0 | QPSK  | NV | -20 | -0.26  | 0.000  | -2.5 | 2.5 | PAS S |
| Band 41 | 10 | 40620 | 50 | #0 | QPSK  | NV | 0   | -3.22  | -0.001 | -2.5 | 2.5 | PAS S |
| Band 41 | 10 | 40620 | 50 | #0 | QPSK  | NV | 10  | -3.03  | -0.001 | -2.5 | 2.5 | PAS S |
| Band 41 | 10 | 40620 | 50 | #0 | QPSK  | NV | 20  | -2.63  | -0.001 | -2.5 | 2.5 | PAS S |
| Band 41 | 10 | 40620 | 50 | #0 | QPSK  | NV | 30  | -3.12  | -0.001 | -2.5 | 2.5 | PAS S |
| Band 41 | 10 | 40620 | 50 | #0 | QPSK  | NV | 40  | -6.49  | -0.003 | -2.5 | 2.5 | PAS S |
| Band 41 | 10 | 40620 | 50 | #0 | QPSK  | NV | 50  | -6.07  | -0.002 | -2.5 | 2.5 | PAS S |
| Band 41 | 10 | 40620 | 50 | #0 | 16QAM | NV | -30 | -4.21  | -0.002 | -2.5 | 2.5 | PAS S |
| Band 41 | 10 | 40620 | 50 | #0 | 16QAM | NV | -20 | -4.94  | -0.002 | -2.5 | 2.5 | PAS S |
| Band 41 | 10 | 40620 | 50 | #0 | 16QAM | NV | 0   | -5.5   | -0.00  | -2.5 | 2.5 | PAS   |



|         |    |       |    |    |       |    |     |        |        |      |     |       |
|---------|----|-------|----|----|-------|----|-----|--------|--------|------|-----|-------|
| 41      |    |       |    |    |       |    |     | 2      | 02     |      |     | S     |
| Band 41 | 10 | 40620 | 50 | #0 | 16QAM | NV | 10  | -4.86  | -0.02  | -2.5 | 2.5 | PAS S |
| Band 41 | 10 | 40620 | 50 | #0 | 16QAM | NV | 20  | -2.15  | -0.01  | -2.5 | 2.5 | PAS S |
| Band 41 | 10 | 40620 | 50 | #0 | 16QAM | NV | 30  | 1.40   | 0.001  | -2.5 | 2.5 | PAS S |
| Band 41 | 10 | 40620 | 50 | #0 | 16QAM | NV | 40  | 2.95   | 0.001  | -2.5 | 2.5 | PAS S |
| Band 41 | 10 | 40620 | 50 | #0 | 16QAM | NV | 50  | 3.79   | 0.001  | -2.5 | 2.5 | PAS S |
| Band 41 | 10 | 41540 | 50 | #0 | QPSK  | NV | -30 | 14.99  | 0.006  | -2.5 | 2.5 | PAS S |
| Band 41 | 10 | 41540 | 50 | #0 | QPSK  | NV | -20 | 0.47   | 0.000  | -2.5 | 2.5 | PAS S |
| Band 41 | 10 | 41540 | 50 | #0 | QPSK  | NV | 0   | -10.86 | -0.004 | -2.5 | 2.5 | PAS S |
| Band 41 | 10 | 41540 | 50 | #0 | QPSK  | NV | 10  | -19.96 | -0.007 | -2.5 | 2.5 | PAS S |
| Band 41 | 10 | 41540 | 50 | #0 | QPSK  | NV | 20  | -32.39 | -0.012 | -2.5 | 2.5 | PAS S |
| Band 41 | 10 | 41540 | 50 | #0 | QPSK  | NV | 30  | -45.22 | -0.017 | -2.5 | 2.5 | PAS S |
| Band 41 | 10 | 41540 | 50 | #0 | QPSK  | NV | 40  | -21.34 | -0.008 | -2.5 | 2.5 | PAS S |
| Band 41 | 10 | 41540 | 50 | #0 | QPSK  | NV | 50  | -35.81 | -0.013 | -2.5 | 2.5 | PAS S |
| Band 41 | 10 | 41540 | 50 | #0 | 16QAM | NV | -30 | -49.31 | -0.018 | -2.5 | 2.5 | PAS S |
| Band 41 | 10 | 41540 | 50 | #0 | 16QAM | NV | -20 | 7.17   | 0.003  | -2.5 | 2.5 | PAS S |
| Band 41 | 10 | 41540 | 50 | #0 | 16QAM | NV | 0   | -0.04  | 0.000  | -2.5 | 2.5 | PAS S |
| Band 41 | 10 | 41540 | 50 | #0 | 16QAM | NV | 10  | -8.93  | -0.003 | -2.5 | 2.5 | PAS S |
| Band 41 | 10 | 41540 | 50 | #0 | 16QAM | NV | 20  | -14.42 | -0.005 | -2.5 | 2.5 | PAS S |
| Band 41 | 10 | 41540 | 50 | #0 | 16QAM | NV | 30  | -24.40 | -0.009 | -2.5 | 2.5 | PAS S |
| Band 41 | 10 | 41540 | 50 | #0 | 16QAM | NV | 40  | -30.48 | -0.011 | -2.5 | 2.5 | PAS S |
| Band 41 | 10 | 41540 | 50 | #0 | 16QAM | NV | 50  | -36.41 | -0.014 | -2.5 | 2.5 | PAS S |
| Band    | 15 | 39725 | 75 | #0 | QPSK  | NV | -30 | 27.5   | 0.01   | -2.5 | 2.5 | PAS   |



|         |    |       |    |    |       |    |     |       |       |      |     |       |
|---------|----|-------|----|----|-------|----|-----|-------|-------|------|-----|-------|
| 41      |    |       |    |    |       |    |     | 5     | 1     |      |     | S     |
| Band 41 | 15 | 39725 | 75 | #0 | QPSK  | NV | -20 | 20.18 | 0.008 | -2.5 | 2.5 | PAS S |
| Band 41 | 15 | 39725 | 75 | #0 | QPSK  | NV | 0   | 23.50 | 0.009 | -2.5 | 2.5 | PAS S |
| Band 41 | 15 | 39725 | 75 | #0 | QPSK  | NV | 10  | 28.30 | 0.011 | -2.5 | 2.5 | PAS S |
| Band 41 | 15 | 39725 | 75 | #0 | QPSK  | NV | 20  | 32.89 | 0.013 | -2.5 | 2.5 | PAS S |
| Band 41 | 15 | 39725 | 75 | #0 | QPSK  | NV | 30  | 34.72 | 0.014 | -2.5 | 2.5 | PAS S |
| Band 41 | 15 | 39725 | 75 | #0 | QPSK  | NV | 40  | 37.67 | 0.015 | -2.5 | 2.5 | PAS S |
| Band 41 | 15 | 39725 | 75 | #0 | QPSK  | NV | 50  | 39.07 | 0.016 | -2.5 | 2.5 | PAS S |
| Band 41 | 15 | 39725 | 75 | #0 | 16QAM | NV | -30 | 41.38 | 0.017 | -2.5 | 2.5 | PAS S |
| Band 41 | 15 | 39725 | 75 | #0 | 16QAM | NV | -20 | 45.93 | 0.018 | -2.5 | 2.5 | PAS S |
| Band 41 | 15 | 39725 | 75 | #0 | 16QAM | NV | 0   | 48.04 | 0.019 | -2.5 | 2.5 | PAS S |
| Band 41 | 15 | 39725 | 75 | #0 | 16QAM | NV | 10  | 19.73 | 0.008 | -2.5 | 2.5 | PAS S |
| Band 41 | 15 | 39725 | 75 | #0 | 16QAM | NV | 20  | 14.56 | 0.006 | -2.5 | 2.5 | PAS S |
| Band 41 | 15 | 39725 | 75 | #0 | 16QAM | NV | 30  | 20.48 | 0.008 | -2.5 | 2.5 | PAS S |
| Band 41 | 15 | 39725 | 75 | #0 | 16QAM | NV | 40  | 23.88 | 0.010 | -2.5 | 2.5 | PAS S |
| Band 41 | 15 | 39725 | 75 | #0 | 16QAM | NV | 50  | 28.30 | 0.011 | -2.5 | 2.5 | PAS S |
| Band 41 | 15 | 40620 | 75 | #0 | QPSK  | NV | -30 | 14.56 | 0.006 | -2.5 | 2.5 | PAS S |
| Band 41 | 15 | 40620 | 75 | #0 | QPSK  | NV | -20 | 13.39 | 0.005 | -2.5 | 2.5 | PAS S |
| Band 41 | 15 | 40620 | 75 | #0 | QPSK  | NV | 0   | 14.55 | 0.006 | -2.5 | 2.5 | PAS S |
| Band 41 | 15 | 40620 | 75 | #0 | QPSK  | NV | 10  | 14.26 | 0.005 | -2.5 | 2.5 | PAS S |
| Band 41 | 15 | 40620 | 75 | #0 | QPSK  | NV | 20  | 10.94 | 0.004 | -2.5 | 2.5 | PAS S |
| Band 41 | 15 | 40620 | 75 | #0 | QPSK  | NV | 30  | 15.16 | 0.006 | -2.5 | 2.5 | PAS S |
| Band 41 | 15 | 40620 | 75 | #0 | QPSK  | NV | 40  | 12.4  | 0.00  | -2.5 | 2.5 | PAS S |



|         |    |       |    |    |       |    |     |            |            |      |     |          |
|---------|----|-------|----|----|-------|----|-----|------------|------------|------|-----|----------|
| 41      |    |       |    |    |       |    |     | 3          | 5          |      |     | S        |
| Band 41 | 15 | 40620 | 75 | #0 | QPSK  | NV | 50  | 12.7<br>7  | 0.00<br>5  | -2.5 | 2.5 | PAS<br>S |
| Band 41 | 15 | 40620 | 75 | #0 | 16QAM | NV | -30 | 11.5<br>6  | 0.00<br>4  | -2.5 | 2.5 | PAS<br>S |
| Band 41 | 15 | 40620 | 75 | #0 | 16QAM | NV | -20 | 12.4<br>6  | 0.00<br>5  | -2.5 | 2.5 | PAS<br>S |
| Band 41 | 15 | 40620 | 75 | #0 | 16QAM | NV | 0   | 15.7<br>8  | 0.00<br>6  | -2.5 | 2.5 | PAS<br>S |
| Band 41 | 15 | 40620 | 75 | #0 | 16QAM | NV | 10  | 19.8<br>3  | 0.00<br>8  | -2.5 | 2.5 | PAS<br>S |
| Band 41 | 15 | 40620 | 75 | #0 | 16QAM | NV | 20  | 21.0<br>6  | 0.00<br>8  | -2.5 | 2.5 | PAS<br>S |
| Band 41 | 15 | 40620 | 75 | #0 | 16QAM | NV | 30  | 22.9<br>3  | 0.00<br>9  | -2.5 | 2.5 | PAS<br>S |
| Band 41 | 15 | 40620 | 75 | #0 | 16QAM | NV | 40  | 23.8<br>9  | 0.00<br>9  | -2.5 | 2.5 | PAS<br>S |
| Band 41 | 15 | 40620 | 75 | #0 | 16QAM | NV | 50  | 27.5<br>1  | 0.01<br>1  | -2.5 | 2.5 | PAS<br>S |
| Band 41 | 15 | 41515 | 75 | #0 | QPSK  | NV | -30 | -6.8<br>5  | -0.0<br>03 | -2.5 | 2.5 | PAS<br>S |
| Band 41 | 15 | 41515 | 75 | #0 | QPSK  | NV | -20 | -30.<br>48 | -0.01<br>1 | -2.5 | 2.5 | PAS<br>S |
| Band 41 | 15 | 41515 | 75 | #0 | QPSK  | NV | 0   | -42.<br>72 | -0.0<br>16 | -2.5 | 2.5 | PAS<br>S |
| Band 41 | 15 | 41515 | 75 | #0 | QPSK  | NV | 10  | -17.<br>35 | -0.0<br>06 | -2.5 | 2.5 | PAS<br>S |
| Band 41 | 15 | 41515 | 75 | #0 | QPSK  | NV | 20  | -36.<br>35 | -0.0<br>14 | -2.5 | 2.5 | PAS<br>S |
| Band 41 | 15 | 41515 | 75 | #0 | QPSK  | NV | 30  | -8.8<br>5  | -0.0<br>03 | -2.5 | 2.5 | PAS<br>S |
| Band 41 | 15 | 41515 | 75 | #0 | QPSK  | NV | 40  | -18.<br>10 | -0.0<br>07 | -2.5 | 2.5 | PAS<br>S |
| Band 41 | 15 | 41515 | 75 | #0 | QPSK  | NV | 50  | -41.<br>43 | -0.0<br>15 | -2.5 | 2.5 | PAS<br>S |
| Band 41 | 15 | 41515 | 75 | #0 | 16QAM | NV | -30 | -26.<br>12 | -0.0<br>10 | -2.5 | 2.5 | PAS<br>S |
| Band 41 | 15 | 41515 | 75 | #0 | 16QAM | NV | -20 | -39.<br>38 | -0.0<br>15 | -2.5 | 2.5 | PAS<br>S |
| Band 41 | 15 | 41515 | 75 | #0 | 16QAM | NV | 0   | -19.<br>98 | -0.0<br>07 | -2.5 | 2.5 | PAS<br>S |
| Band 41 | 15 | 41515 | 75 | #0 | 16QAM | NV | 10  | -2.0<br>5  | -0.0<br>01 | -2.5 | 2.5 | PAS<br>S |
| Band 41 | 15 | 41515 | 75 | #0 | 16QAM | NV | 20  | -12.<br>5  | -0.0<br>01 | -2.5 | 2.5 | PAS<br>S |



|         |    |       |     |    |       |    |     |        |        |      |     |       |
|---------|----|-------|-----|----|-------|----|-----|--------|--------|------|-----|-------|
| 41      |    |       |     |    |       |    |     | 47     | 05     |      |     | S     |
| Band 41 | 15 | 41515 | 75  | #0 | 16QAM | NV | 30  | -21.56 | -0.08  | -2.5 | 2.5 | PAS S |
| Band 41 | 15 | 41515 | 75  | #0 | 16QAM | NV | 40  | -34.05 | -0.013 | -2.5 | 2.5 | PAS S |
| Band 41 | 15 | 41515 | 75  | #0 | 16QAM | NV | 50  | -42.34 | -0.016 | -2.5 | 2.5 | PAS S |
| Band 41 | 20 | 39750 | 100 | #0 | QPSK  | NV | -30 | 11.94  | 0.005  | -2.5 | 2.5 | PAS S |
| Band 41 | 20 | 39750 | 100 | #0 | QPSK  | NV | -20 | 12.99  | 0.005  | -2.5 | 2.5 | PAS S |
| Band 41 | 20 | 39750 | 100 | #0 | QPSK  | NV | 0   | 21.66  | 0.009  | -2.5 | 2.5 | PAS S |
| Band 41 | 20 | 39750 | 100 | #0 | QPSK  | NV | 10  | 29.18  | 0.012  | -2.5 | 2.5 | PAS S |
| Band 41 | 20 | 39750 | 100 | #0 | QPSK  | NV | 20  | 33.23  | 0.013  | -2.5 | 2.5 | PAS S |
| Band 41 | 20 | 39750 | 100 | #0 | QPSK  | NV | 30  | 36.99  | 0.015  | -2.5 | 2.5 | PAS S |
| Band 41 | 20 | 39750 | 100 | #0 | QPSK  | NV | 40  | 39.45  | 0.016  | -2.5 | 2.5 | PAS S |
| Band 41 | 20 | 39750 | 100 | #0 | QPSK  | NV | 50  | 41.18  | 0.016  | -2.5 | 2.5 | PAS S |
| Band 41 | 20 | 39750 | 100 | #0 | 16QAM | NV | -30 | 36.25  | 0.014  | -2.5 | 2.5 | PAS S |
| Band 41 | 20 | 39750 | 100 | #0 | 16QAM | NV | -20 | 4.19   | 0.002  | -2.5 | 2.5 | PAS S |
| Band 41 | 20 | 39750 | 100 | #0 | 16QAM | NV | 0   | 12.63  | 0.005  | -2.5 | 2.5 | PAS S |
| Band 41 | 20 | 39750 | 100 | #0 | 16QAM | NV | 10  | 19.80  | 0.008  | -2.5 | 2.5 | PAS S |
| Band 41 | 20 | 39750 | 100 | #0 | 16QAM | NV | 20  | 26.26  | 0.010  | -2.5 | 2.5 | PAS S |
| Band 41 | 20 | 39750 | 100 | #0 | 16QAM | NV | 30  | 34.60  | 0.014  | -2.5 | 2.5 | PAS S |
| Band 41 | 20 | 39750 | 100 | #0 | 16QAM | NV | 40  | 41.58  | 0.017  | -2.5 | 2.5 | PAS S |
| Band 41 | 20 | 39750 | 100 | #0 | 16QAM | NV | 50  | 2.19   | 0.001  | -2.5 | 2.5 | PAS S |
| Band 41 | 20 | 40620 | 100 | #0 | QPSK  | NV | -30 | 11.37  | 0.004  | -2.5 | 2.5 | PAS S |
| Band 41 | 20 | 40620 | 100 | #0 | QPSK  | NV | -20 | 10.03  | 0.004  | -2.5 | 2.5 | PAS S |
| Band 41 | 20 | 40620 | 100 | #0 | QPSK  | NV | 0   | 12.4   | 0.00   | -2.5 | 2.5 | PAS   |

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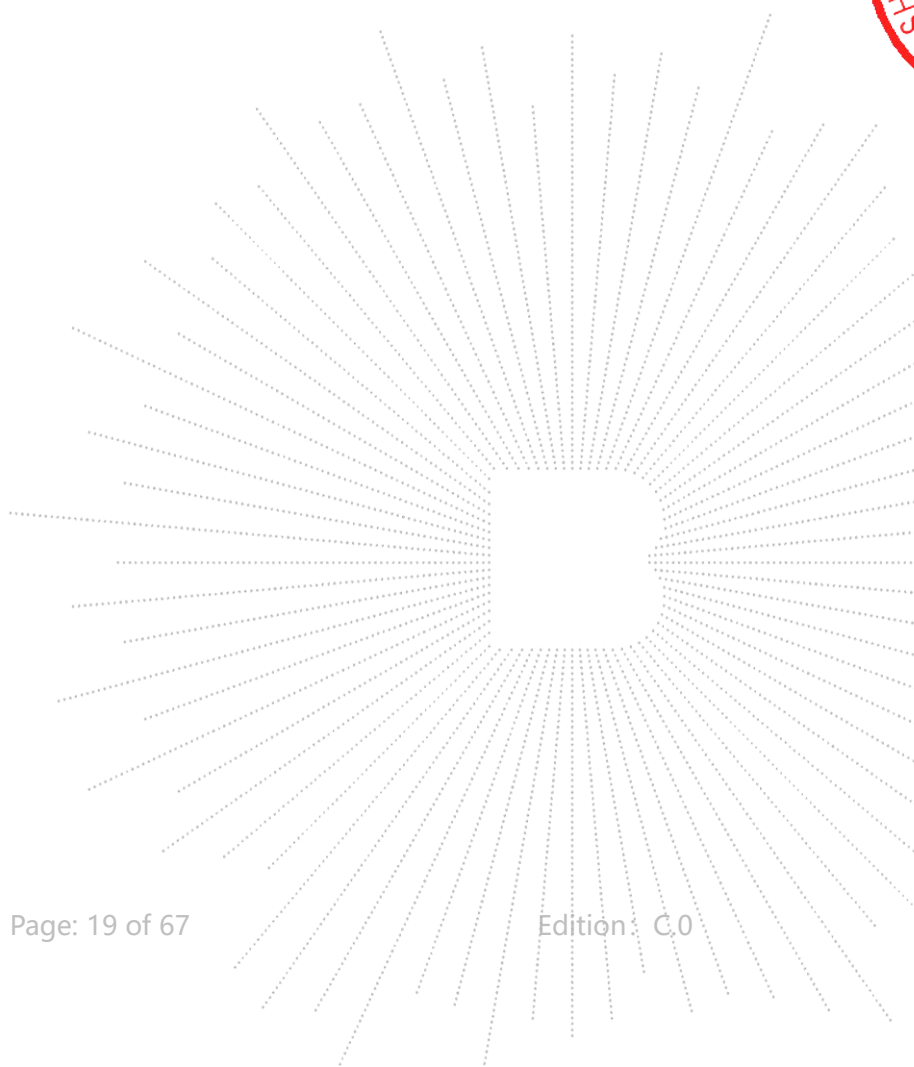


|         |    |       |     |    |       |    |     |        |        |      |     |       |
|---------|----|-------|-----|----|-------|----|-----|--------|--------|------|-----|-------|
| 41      |    |       | 0   |    |       |    |     | 9      | 5      |      |     | S     |
| Band 41 | 20 | 40620 | 100 | #0 | QPSK  | NV | 10  | 12.23  | 0.005  | -2.5 | 2.5 | PAS S |
| Band 41 | 20 | 40620 | 100 | #0 | QPSK  | NV | 20  | 9.21   | 0.004  | -2.5 | 2.5 | PAS S |
| Band 41 | 20 | 40620 | 100 | #0 | QPSK  | NV | 30  | 6.45   | 0.002  | -2.5 | 2.5 | PAS S |
| Band 41 | 20 | 40620 | 100 | #0 | QPSK  | NV | 40  | 2.56   | 0.001  | -2.5 | 2.5 | PAS S |
| Band 41 | 20 | 40620 | 100 | #0 | QPSK  | NV | 50  | -0.50  | 0.000  | -2.5 | 2.5 | PAS S |
| Band 41 | 20 | 40620 | 100 | #0 | 16QAM | NV | -30 | -3.65  | -0.001 | -2.5 | 2.5 | PAS S |
| Band 41 | 20 | 40620 | 100 | #0 | 16QAM | NV | -20 | -2.46  | -0.001 | -2.5 | 2.5 | PAS S |
| Band 41 | 20 | 40620 | 100 | #0 | 16QAM | NV | 0   | 0.49   | 0.000  | -2.5 | 2.5 | PAS S |
| Band 41 | 20 | 40620 | 100 | #0 | 16QAM | NV | 10  | 3.13   | 0.001  | -2.5 | 2.5 | PAS S |
| Band 41 | 20 | 40620 | 100 | #0 | 16QAM | NV | 20  | 8.38   | 0.003  | -2.5 | 2.5 | PAS S |
| Band 41 | 20 | 40620 | 100 | #0 | 16QAM | NV | 30  | 14.02  | 0.005  | -2.5 | 2.5 | PAS S |
| Band 41 | 20 | 40620 | 100 | #0 | 16QAM | NV | 40  | 19.01  | 0.007  | -2.5 | 2.5 | PAS S |
| Band 41 | 20 | 40620 | 100 | #0 | 16QAM | NV | 50  | 26.04  | 0.010  | -2.5 | 2.5 | PAS S |
| Band 41 | 20 | 41490 | 100 | #0 | QPSK  | NV | -30 | -10.40 | -0.004 | -2.5 | 2.5 | PAS S |
| Band 41 | 20 | 41490 | 100 | #0 | QPSK  | NV | -20 | -22.82 | -0.009 | -2.5 | 2.5 | PAS S |
| Band 41 | 20 | 41490 | 100 | #0 | QPSK  | NV | 0   | -41.03 | -0.015 | -2.5 | 2.5 | PAS S |
| Band 41 | 20 | 41490 | 100 | #0 | QPSK  | NV | 10  | -17.62 | -0.007 | -2.5 | 2.5 | PAS S |
| Band 41 | 20 | 41490 | 100 | #0 | QPSK  | NV | 20  | -28.04 | -0.010 | -2.5 | 2.5 | PAS S |
| Band 41 | 20 | 41490 | 100 | #0 | QPSK  | NV | 30  | -47.45 | -0.018 | -2.5 | 2.5 | PAS S |
| Band 41 | 20 | 41490 | 100 | #0 | QPSK  | NV | 40  | -4.16  | -0.002 | -2.5 | 2.5 | PAS S |
| Band 41 | 20 | 41490 | 100 | #0 | QPSK  | NV | 50  | -26.41 | -0.010 | -2.5 | 2.5 | PAS S |
| Band    | 20 | 41490 | 100 | #0 | 16QAM | NV | -30 | -45.   | -0.00  | -2.5 | 2.5 | PAS   |

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|         |    |       |     |    |       |    |     |        |       |      |     |      |
|---------|----|-------|-----|----|-------|----|-----|--------|-------|------|-----|------|
| 41      |    |       | 0   |    |       |    |     | 23     | 17    |      |     | S    |
| Band 41 | 20 | 41490 | 100 | #0 | 16QAM | NV | -20 | -7.14  | -0.03 | -2.5 | 2.5 | PASS |
| Band 41 | 20 | 41490 | 100 | #0 | 16QAM | NV | 0   | -21.23 | -0.08 | -2.5 | 2.5 | PASS |
| Band 41 | 20 | 41490 | 100 | #0 | 16QAM | NV | 10  | -31.00 | -0.12 | -2.5 | 2.5 | PASS |
| Band 41 | 20 | 41490 | 100 | #0 | 16QAM | NV | 20  | -40.08 | -0.15 | -2.5 | 2.5 | PASS |
| Band 41 | 20 | 41490 | 100 | #0 | 16QAM | NV | 30  | -49.21 | -0.18 | -2.5 | 2.5 | PASS |
| Band 41 | 20 | 41490 | 100 | #0 | 16QAM | NV | 40  | -7.61  | -0.03 | -2.5 | 2.5 | PASS |
| Band 41 | 20 | 41490 | 100 | #0 | 16QAM | NV | 50  | -15.98 | -0.06 | -2.5 | 2.5 | PASS |

SHENZHEN

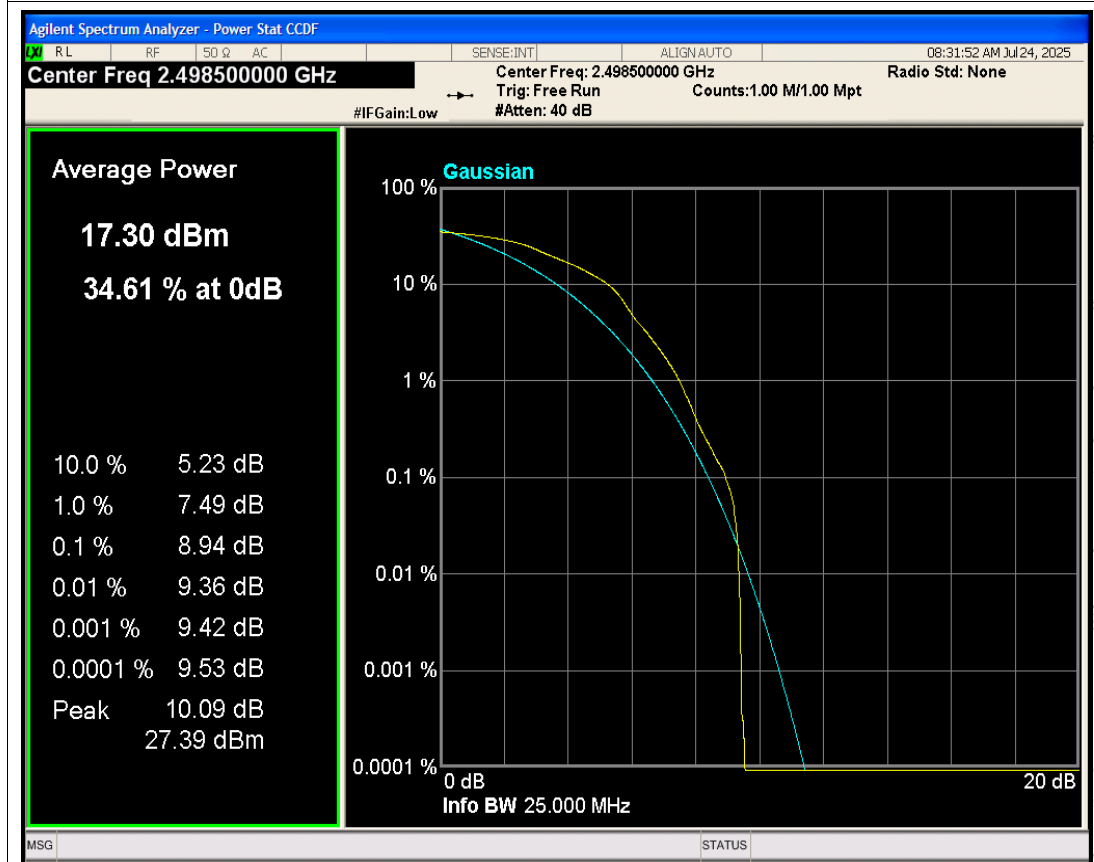


### Appendix 3. Peak-to-Average Ratio

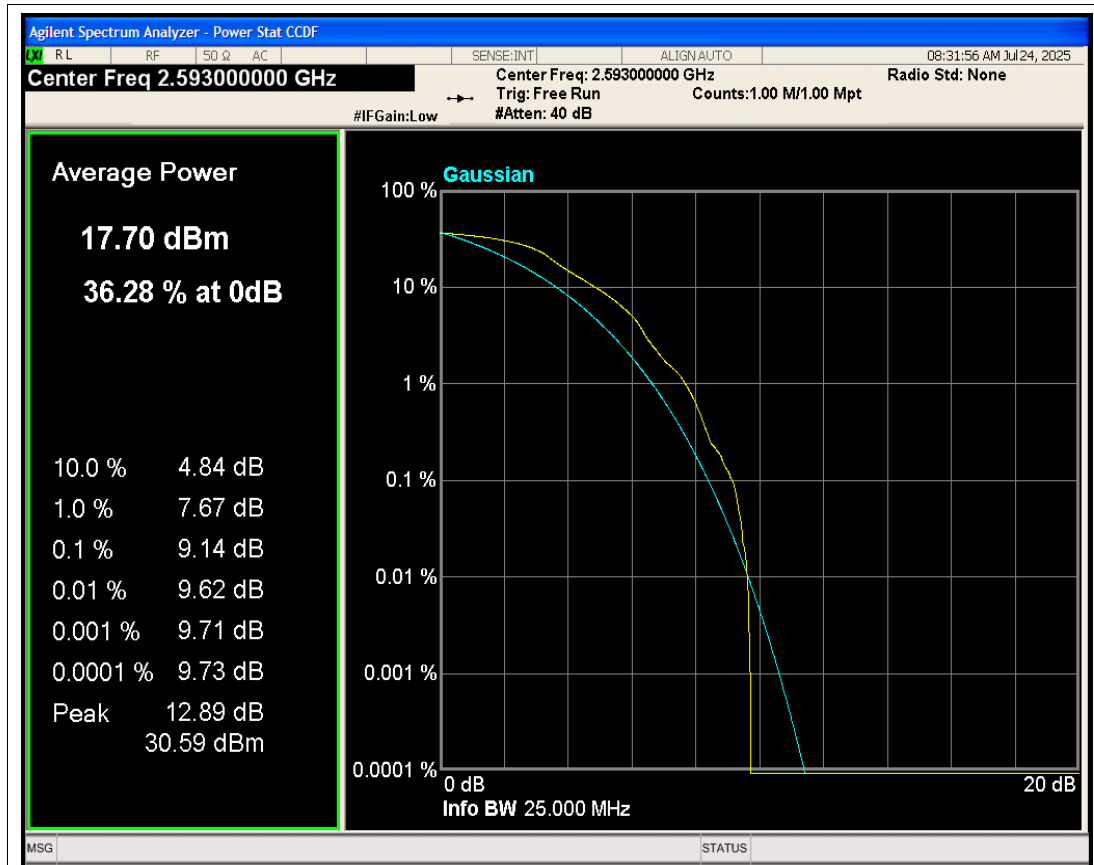
| Band   | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Size | RB<br>Position | Modulation | Result<br>(dB) | high<br>Limit<br>(dB) | Verdict |
|--------|--------------------|---------------|------------|----------------|------------|----------------|-----------------------|---------|
| Band41 | 5                  | 39675         | 1          | #0             | QPSK       | 8.81           | 13                    | PASS    |
| Band41 | 5                  | 39675         | 1          | #0             | 16QAM      | 8.94           | 13                    | PASS    |
| Band41 | 5                  | 40620         | 1          | #0             | QPSK       | 9.14           | 13                    | PASS    |
| Band41 | 5                  | 40620         | 1          | #0             | 16QAM      | 10.08          | 13                    | PASS    |
| Band41 | 5                  | 41565         | 1          | #0             | QPSK       | 8.75           | 13                    | PASS    |
| Band41 | 5                  | 41565         | 1          | #0             | 16QAM      | 9.33           | 13                    | PASS    |
| Band41 | 10                 | 39700         | 1          | #0             | QPSK       | 8.52           | 13                    | PASS    |
| Band41 | 10                 | 39700         | 1          | #0             | 16QAM      | 11.17          | 13                    | PASS    |
| Band41 | 10                 | 40620         | 1          | #0             | QPSK       | 11.44          | 13                    | PASS    |
| Band41 | 10                 | 40620         | 1          | #0             | 16QAM      | 9.61           | 13                    | PASS    |
| Band41 | 10                 | 41540         | 1          | #0             | QPSK       | 9.81           | 13                    | PASS    |
| Band41 | 10                 | 41540         | 1          | #0             | 16QAM      | 8.79           | 13                    | PASS    |
| Band41 | 15                 | 39725         | 1          | #0             | QPSK       | 9.98           | 13                    | PASS    |
| Band41 | 15                 | 39725         | 1          | #0             | 16QAM      | 9.02           | 13                    | PASS    |
| Band41 | 15                 | 40620         | 1          | #0             | QPSK       | 9.79           | 13                    | PASS    |
| Band41 | 15                 | 40620         | 1          | #0             | 16QAM      | 9.92           | 13                    | PASS    |
| Band41 | 15                 | 41515         | 1          | #0             | QPSK       | 9.22           | 13                    | PASS    |
| Band41 | 15                 | 41515         | 1          | #0             | 16QAM      | 9.91           | 13                    | PASS    |
| Band41 | 20                 | 39750         | 1          | #0             | QPSK       | 8.83           | 13                    | PASS    |
| Band41 | 20                 | 39750         | 1          | #0             | 16QAM      | 10.42          | 13                    | PASS    |
| Band41 | 20                 | 40620         | 1          | #0             | QPSK       | 8.71           | 13                    | PASS    |
| Band41 | 20                 | 40620         | 1          | #0             | 16QAM      | 11.24          | 13                    | PASS    |
| Band41 | 20                 | 41490         | 1          | #0             | QPSK       | 8.47           | 13                    | PASS    |
| Band41 | 20                 | 41490         | 1          | #0             | 16QAM      | 9.13           | 13                    | PASS    |



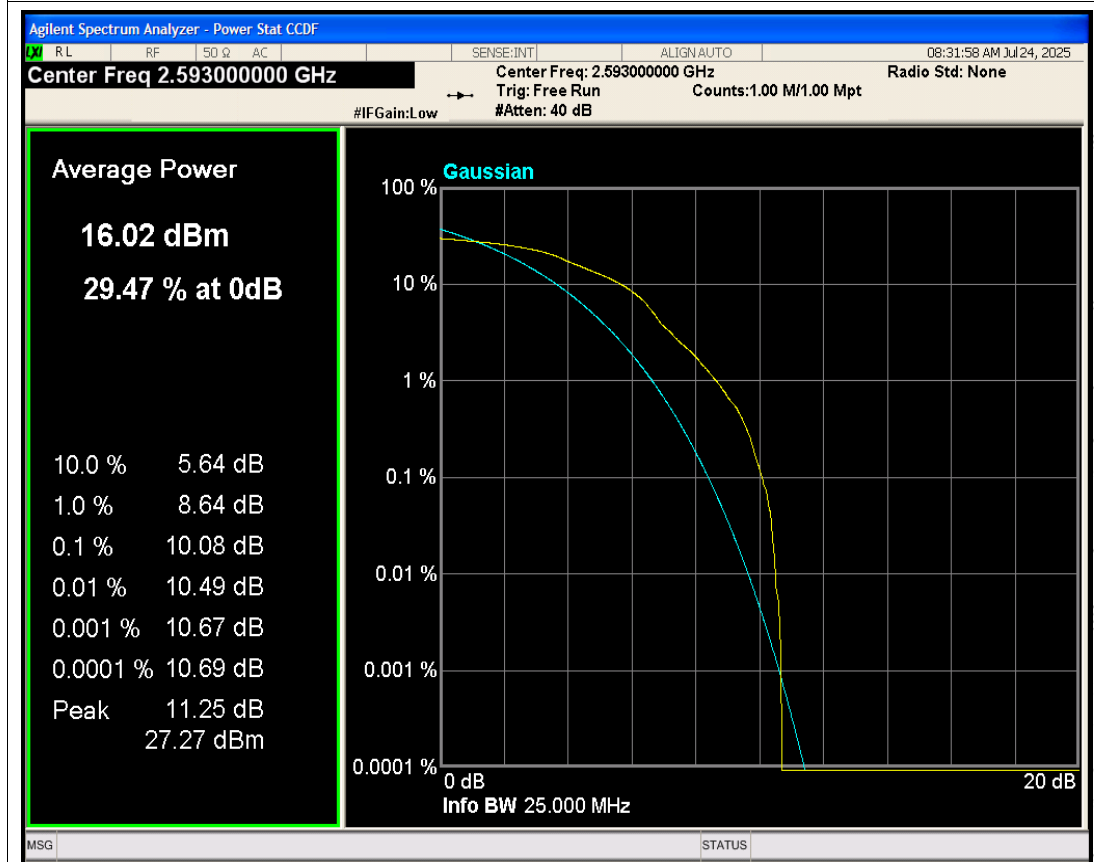
Band41 QPSK BW=5MHz Channel=39675 RB Size=1 Position=#0 NVNT



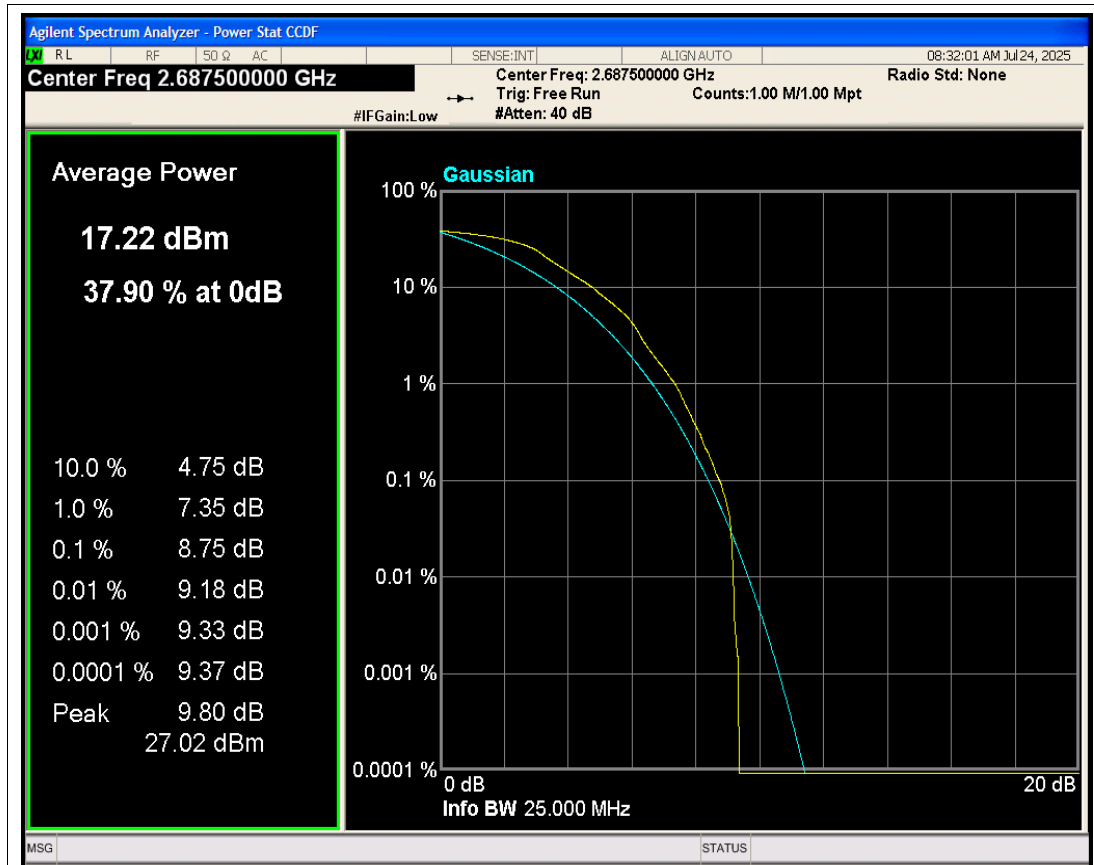
Band41 16QAM BW=5MHz Channel=39675 RB Size=1 Position=#0 NVNT



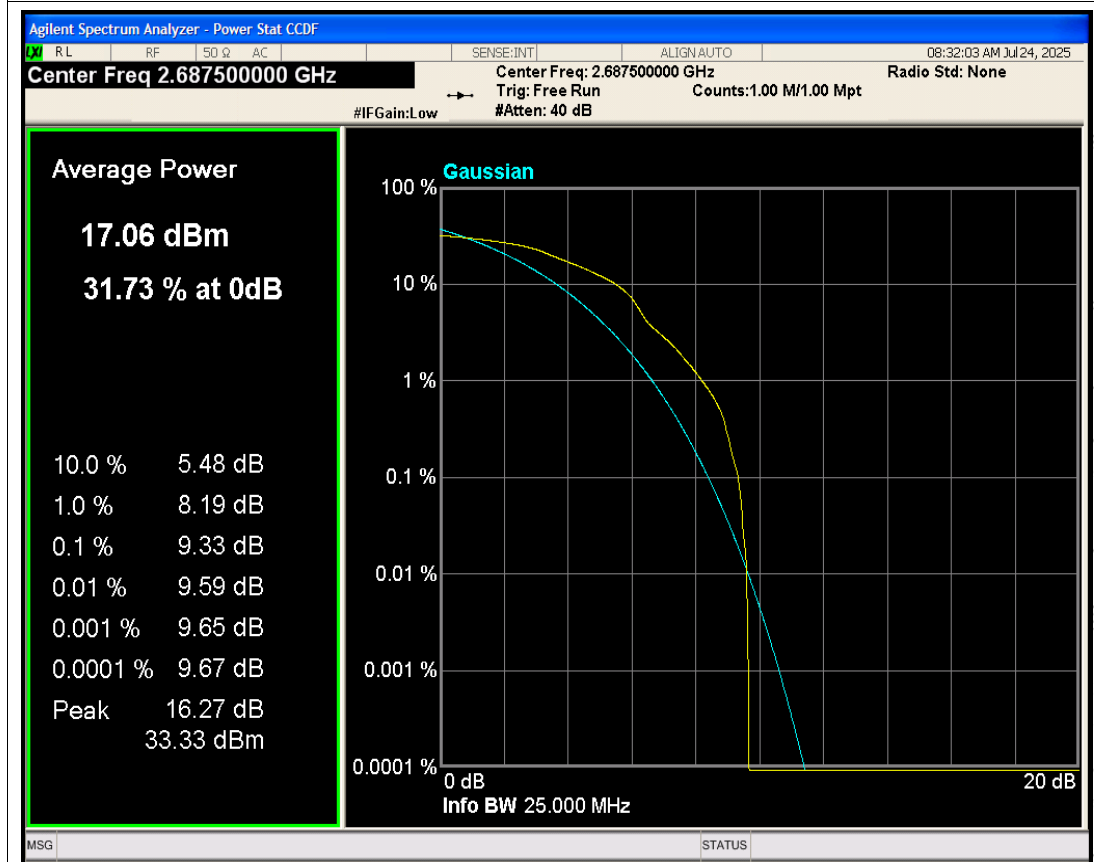
Band41 QPSK BW=5MHz Channel=40620 RB Size=1 Position=#0 NVNT



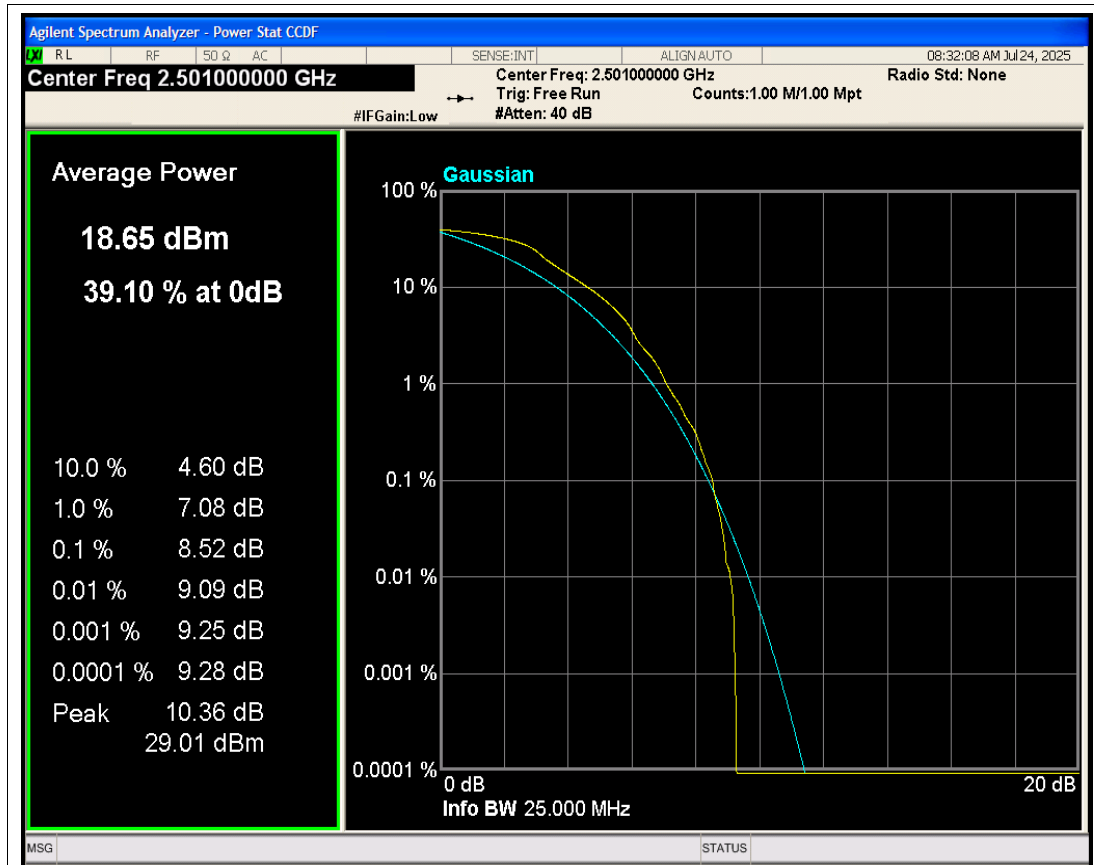
Band41 16QAM BW=5MHz Channel=40620 RB Size=1 Position=#0 NVNT



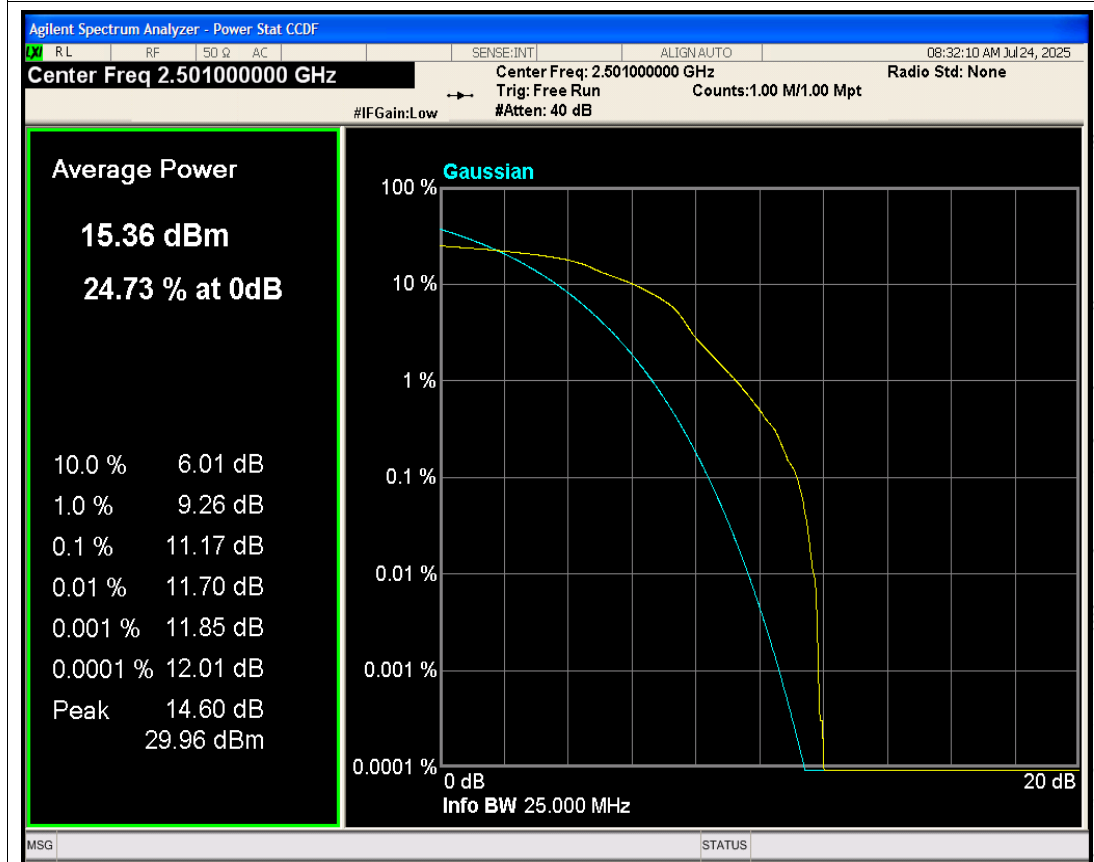
Band41 QPSK BW=5MHz Channel=41565 RB Size=1 Position=#0 NVNT



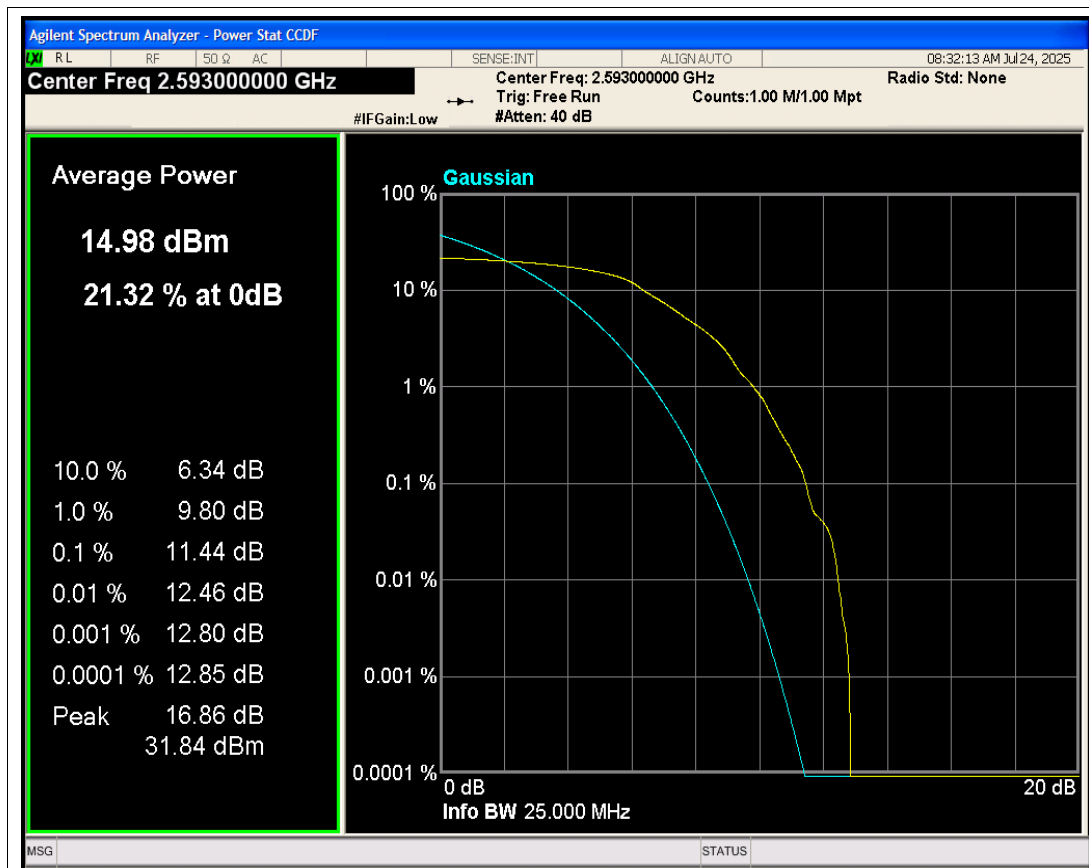
Band41 16QAM BW=5MHz Channel=41565 RB Size=1 Position=#0 NVNT



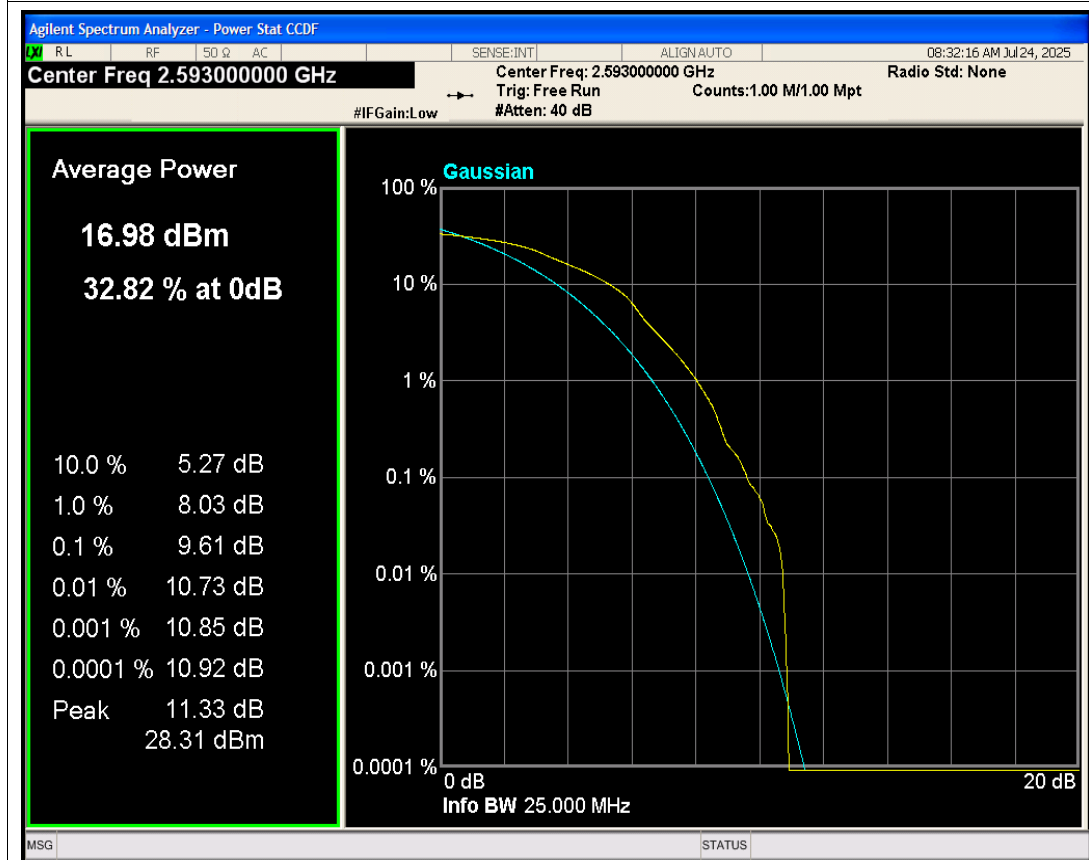
Band41 QPSK BW=10MHz Channel=39700 RB Size=1 Position=#0 NVNT



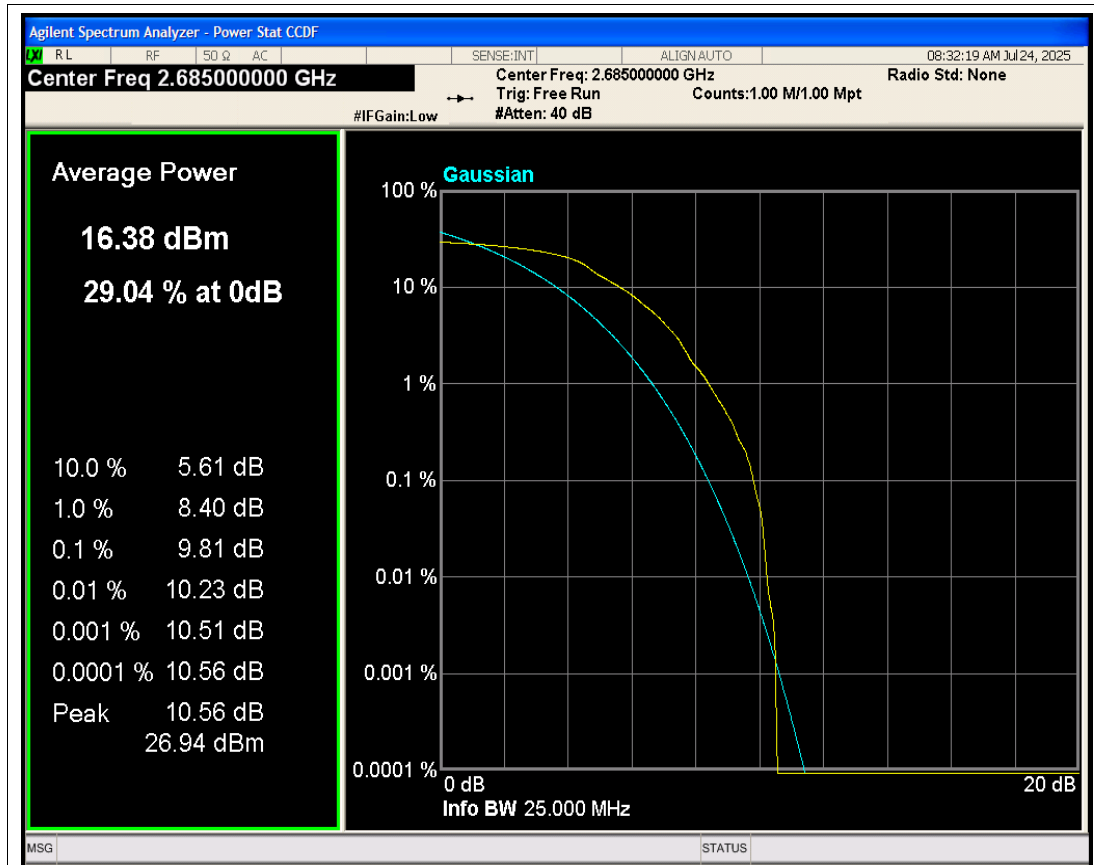
Band41 16QAM BW=10MHz Channel=39700 RB Size=1 Position=#0 NVNT



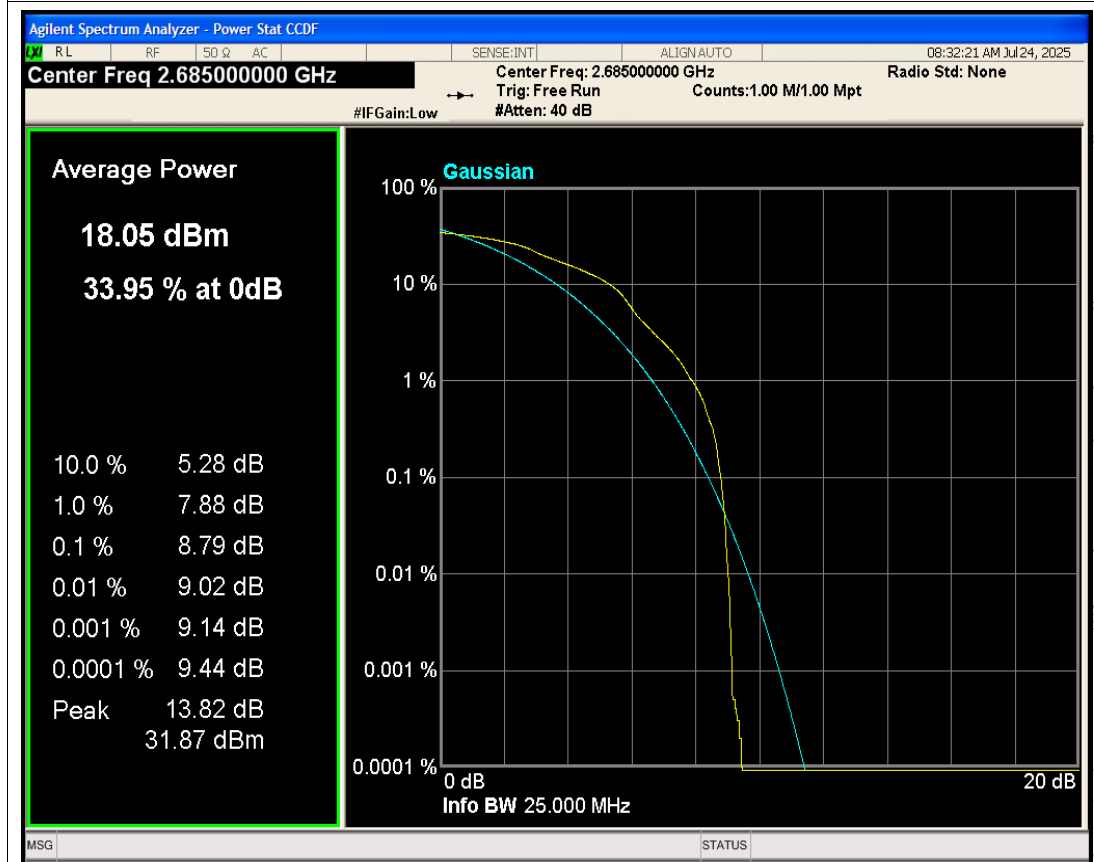
Band41 QPSK BW=10MHz Channel=40620 RB Size=1 Position=#0 NVNT



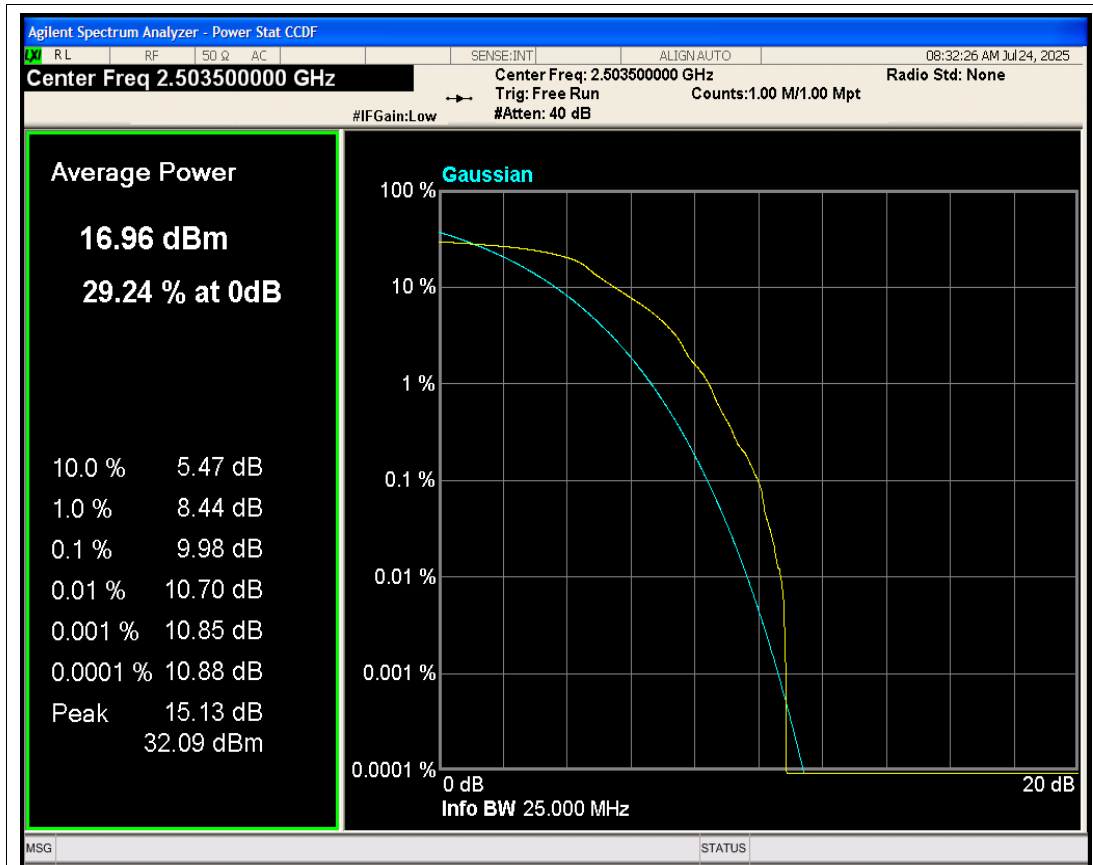
Band41 16QAM BW=10MHz Channel=40620 RB Size=1 Position=#0 NVNT



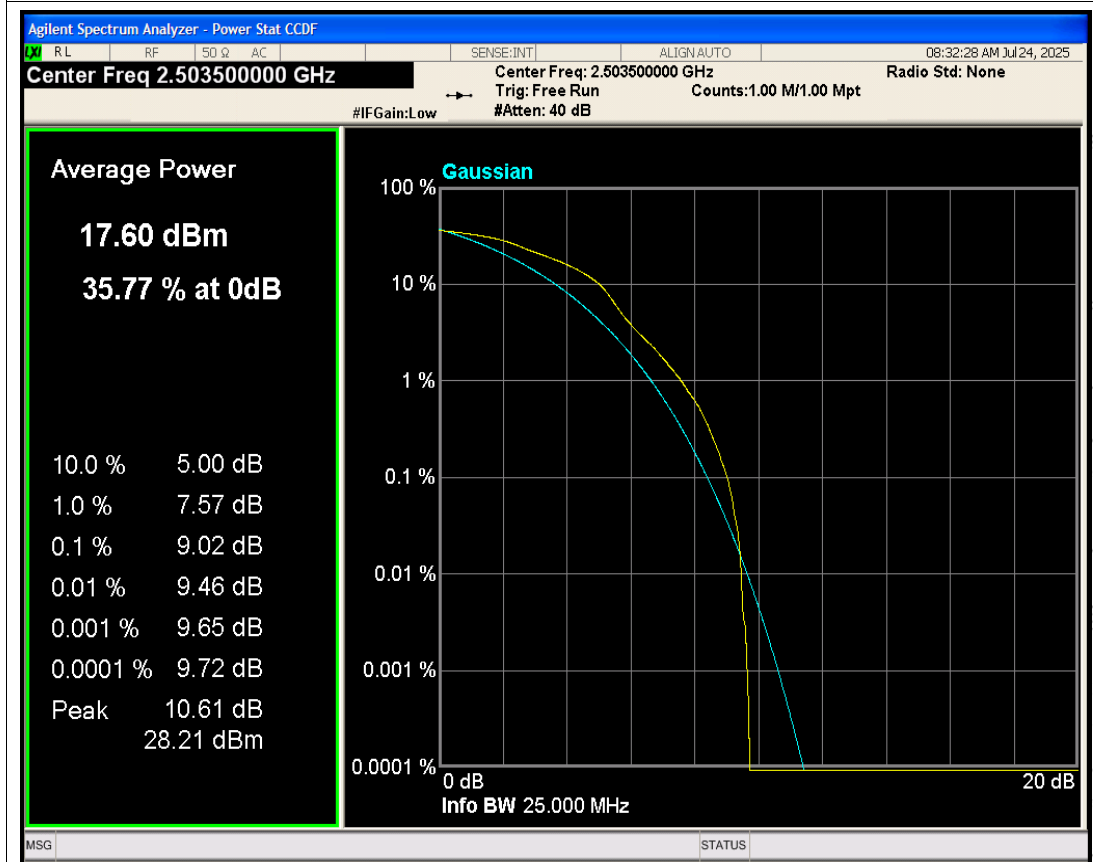
Band41 QPSK BW=10MHz Channel=41540 RB Size=1 Position=#0 NVNT



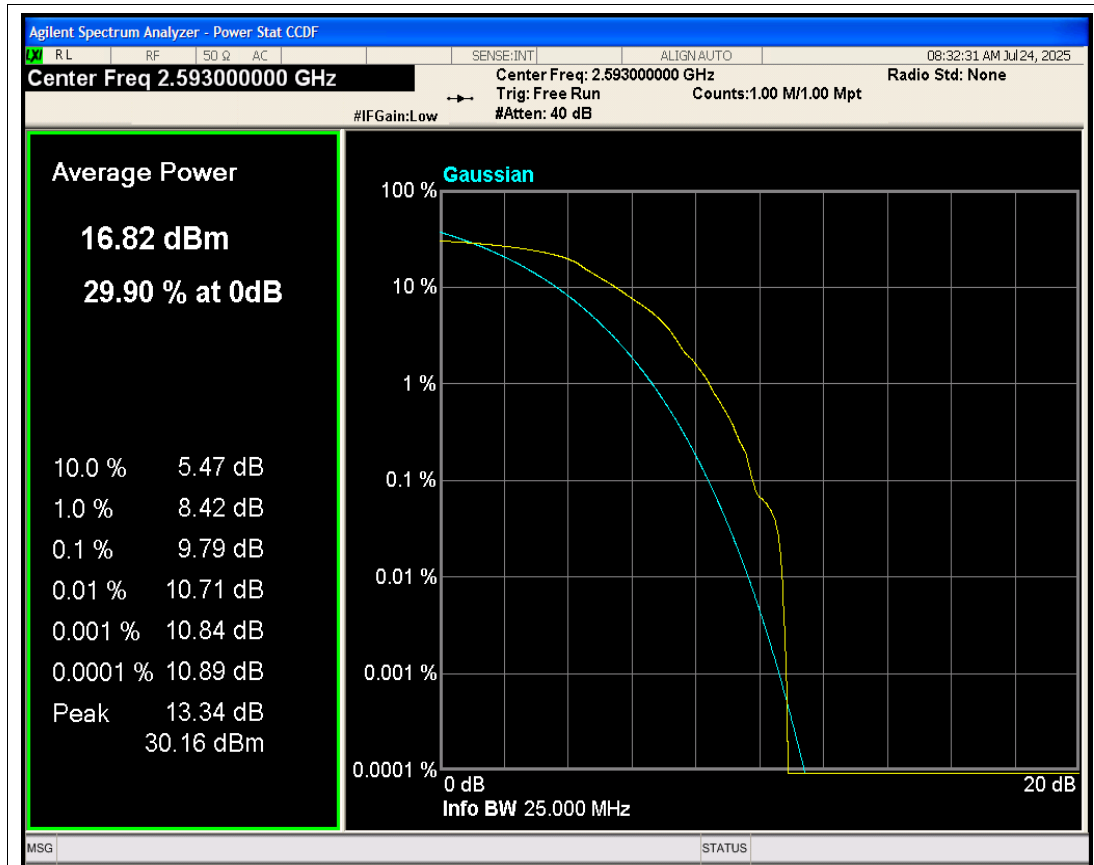
Band41 16QAM BW=10MHz Channel=41540 RB Size=1 Position=#0 NVNT



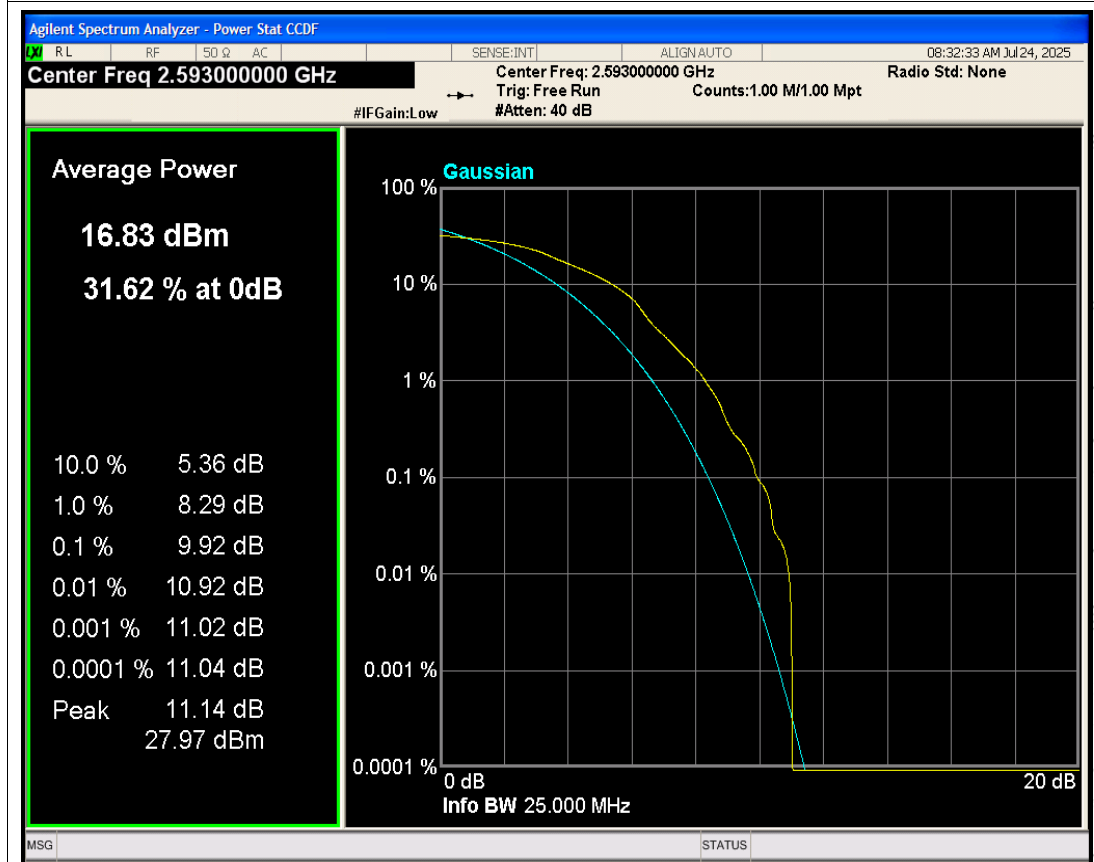
Band41 QPSK BW=15MHz Channel=39725 RB Size=1 Position=#0 NVNT



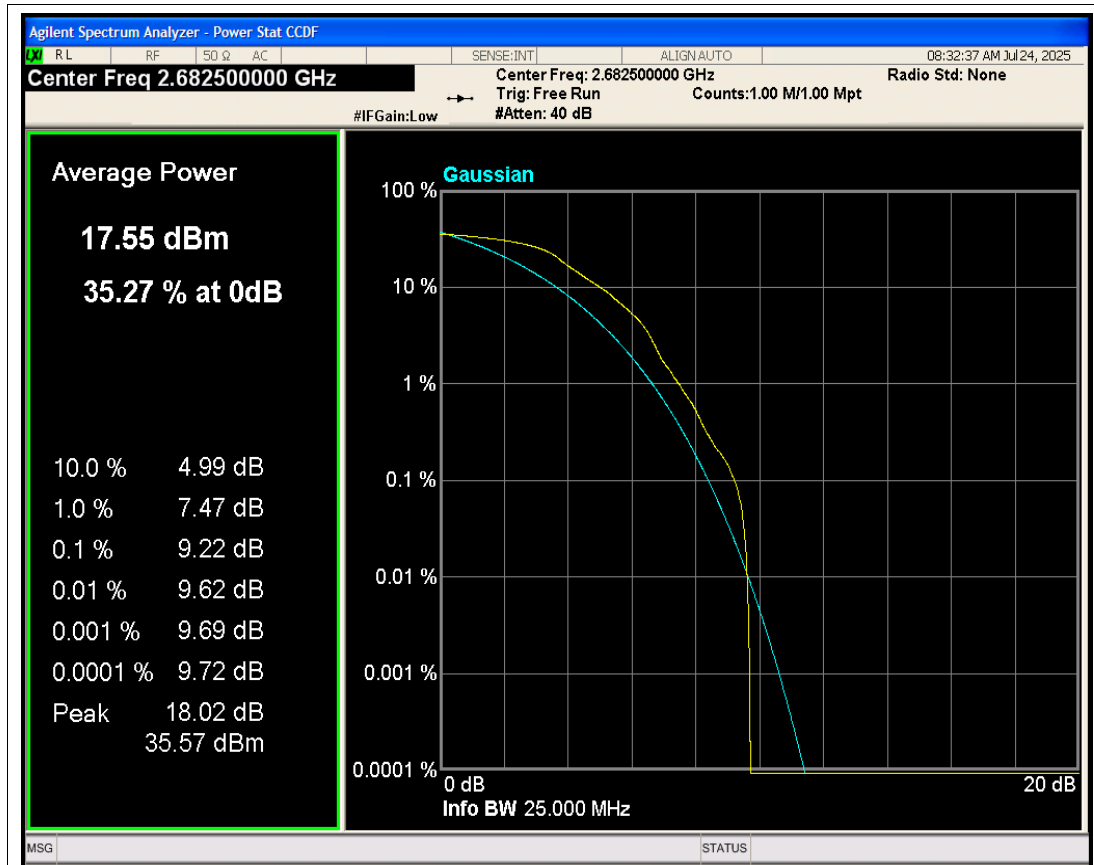
Band41 16QAM BW=15MHz Channel=39725 RB Size=1 Position=#0 NVNT



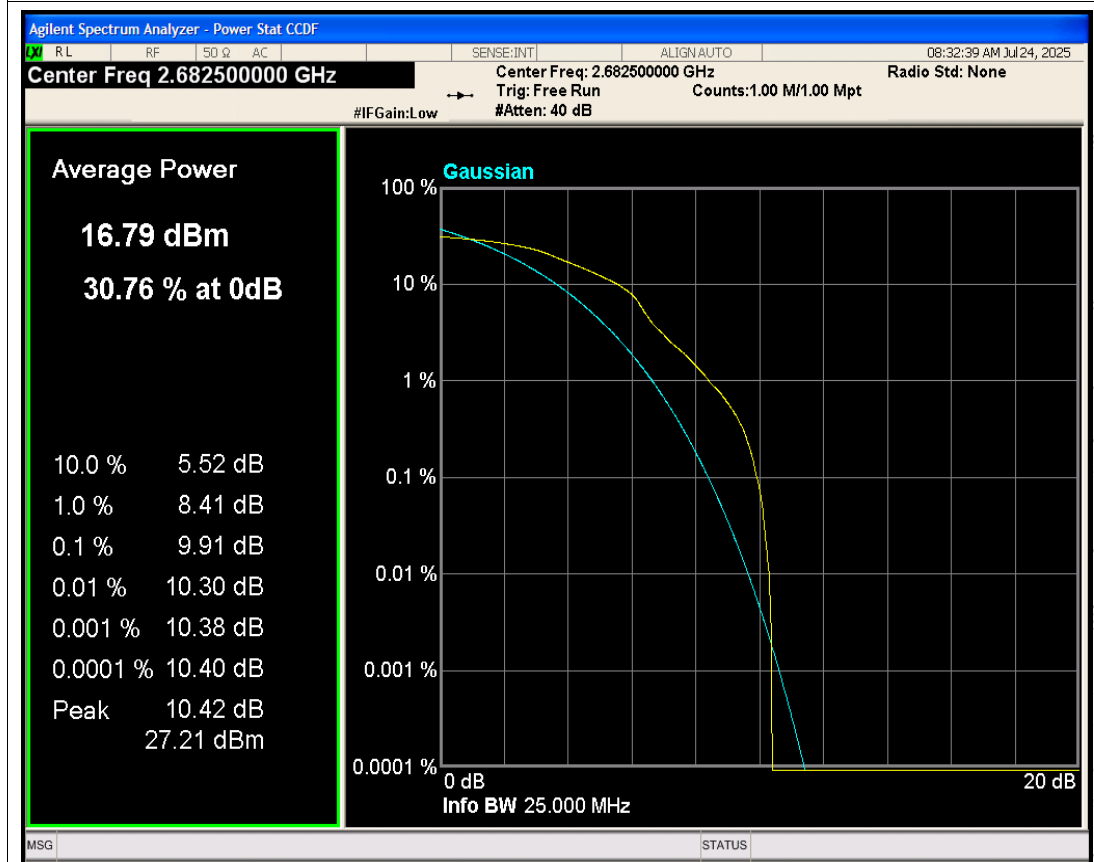
Band41 QPSK BW=15MHz Channel=40620 RB Size=1 Position=#0 NVNT



Band41 16QAM BW=15MHz Channel=40620 RB Size=1 Position=#0 NVNT



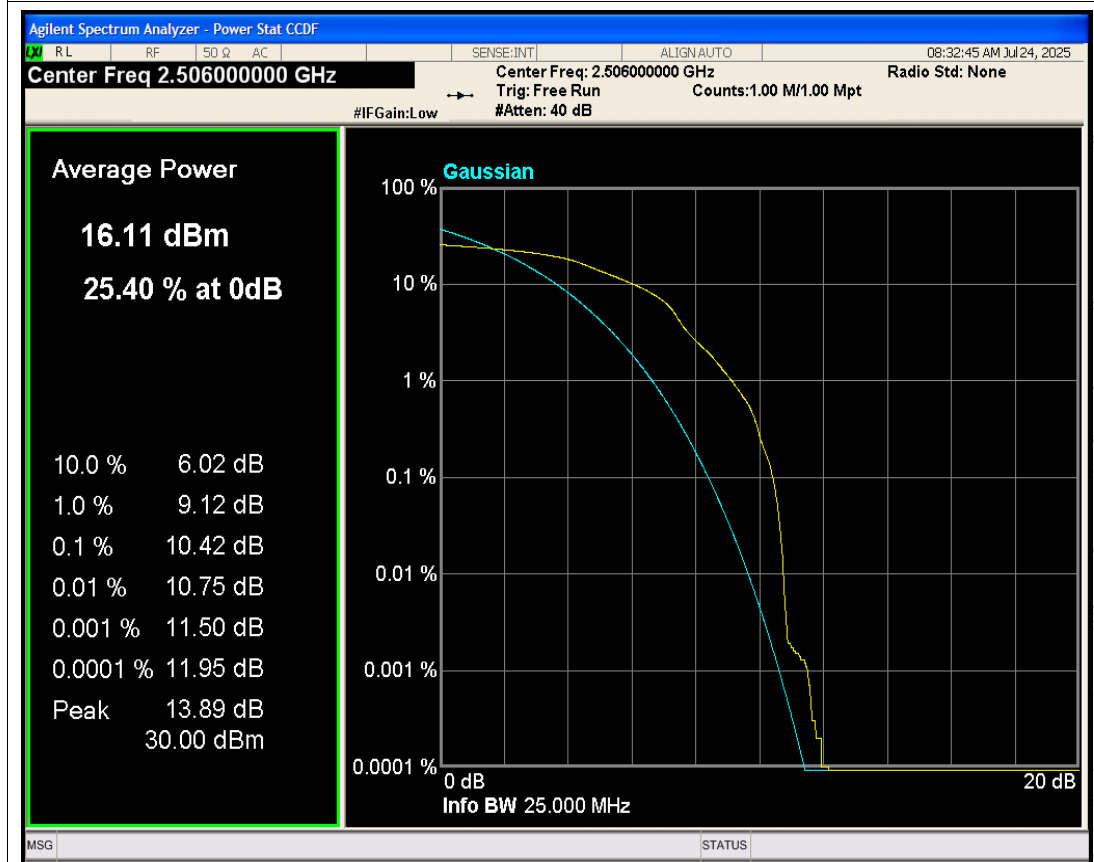
Band41 QPSK BW=15MHz Channel=41515 RB Size=1 Position=#0 NVNT



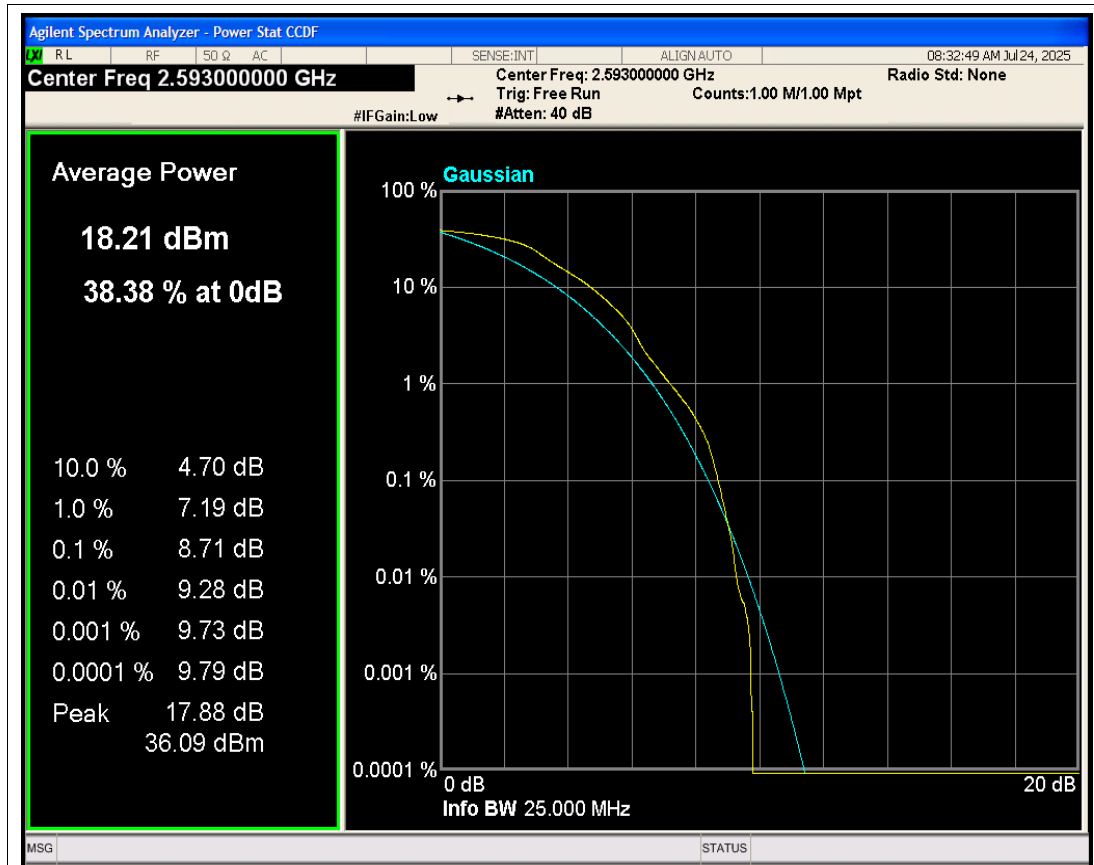
Band41 16QAM BW=15MHz Channel=41515 RB Size=1 Position=#0 NVNT



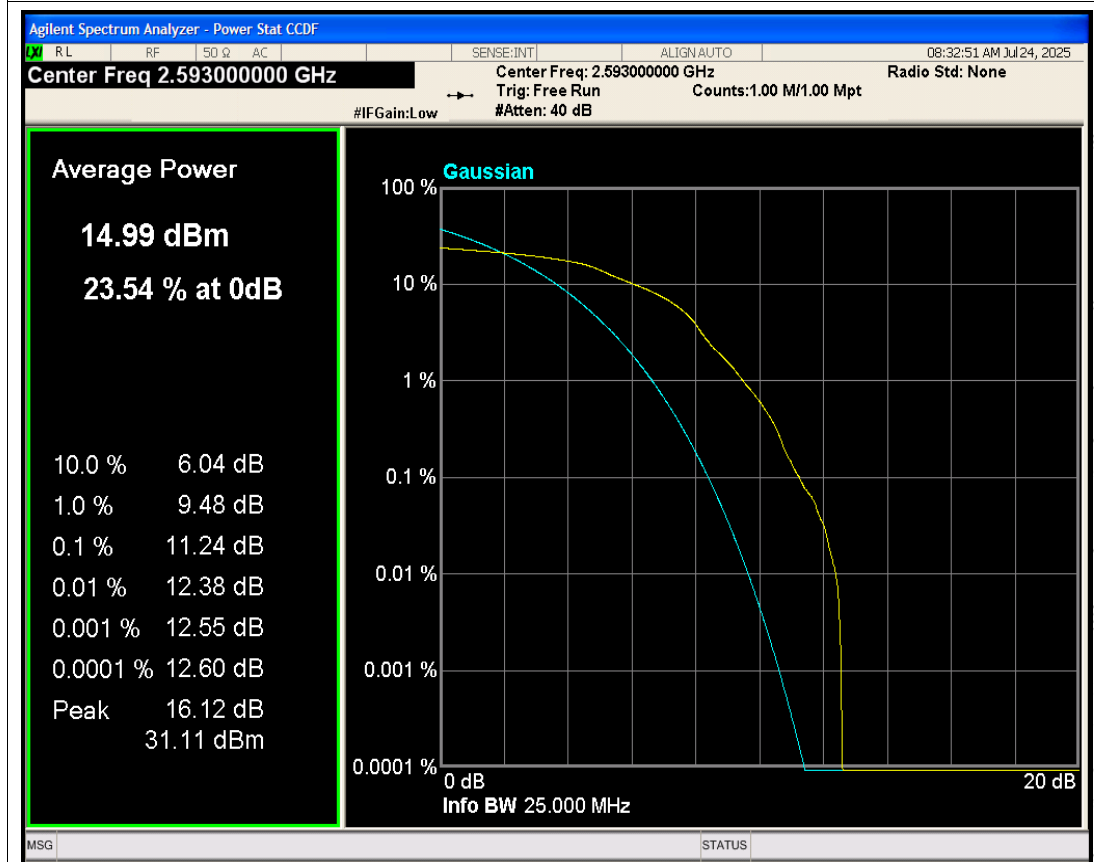
Band41 QPSK BW=20MHz Channel=39750 RB Size=1 Position=#0 NVNT



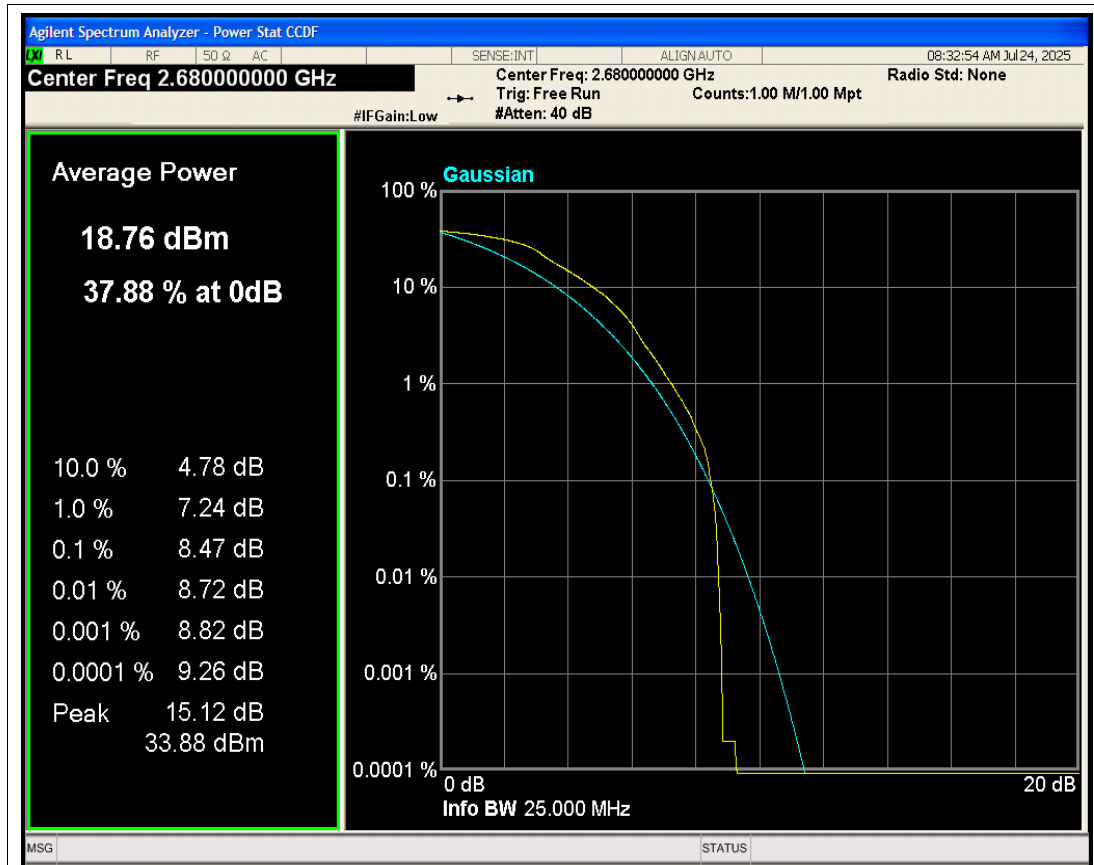
Band41 16QAM BW=20MHz Channel=39750 RB Size=1 Position=#0 NVNT



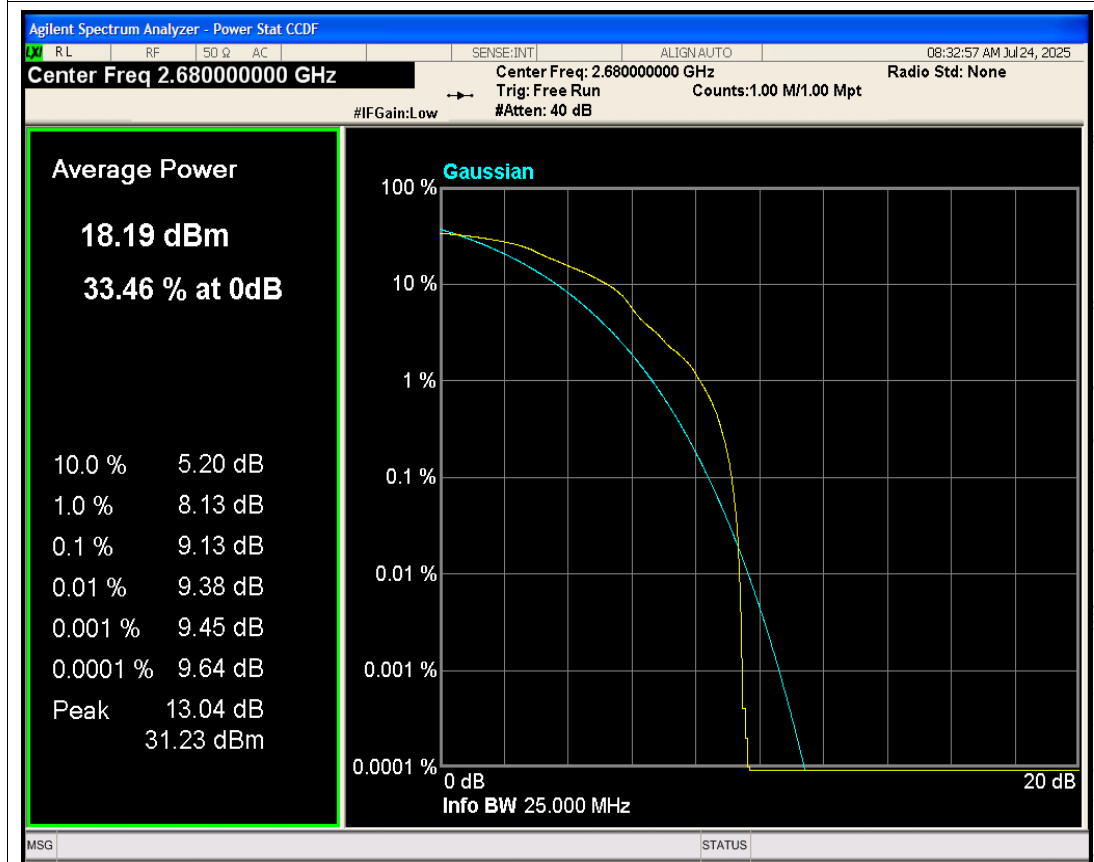
Band41 QPSK BW=20MHz Channel=40620 RB Size=1 Position=#0 NVNT



Band41 16QAM BW=20MHz Channel=40620 RB Size=1 Position=#0 NVNT



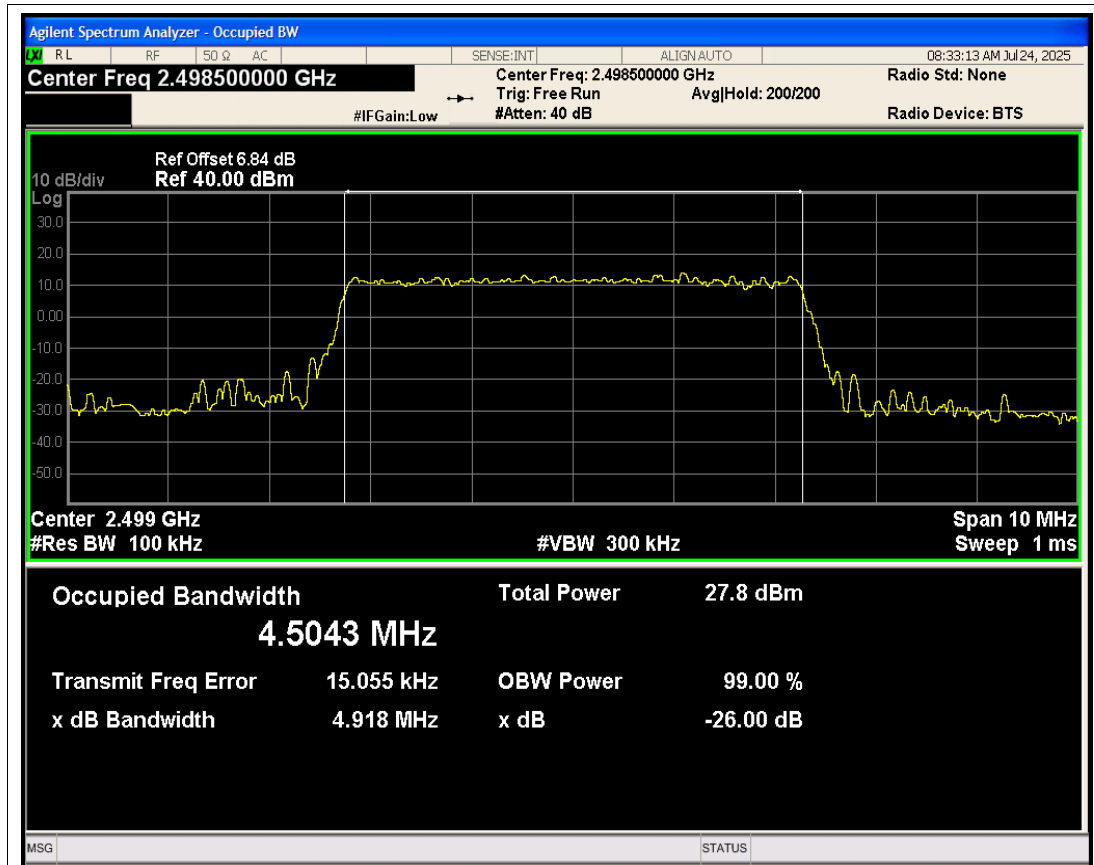
Band41 QPSK BW=20MHz Channel=41490 RB Size=1 Position=#0 NVNT



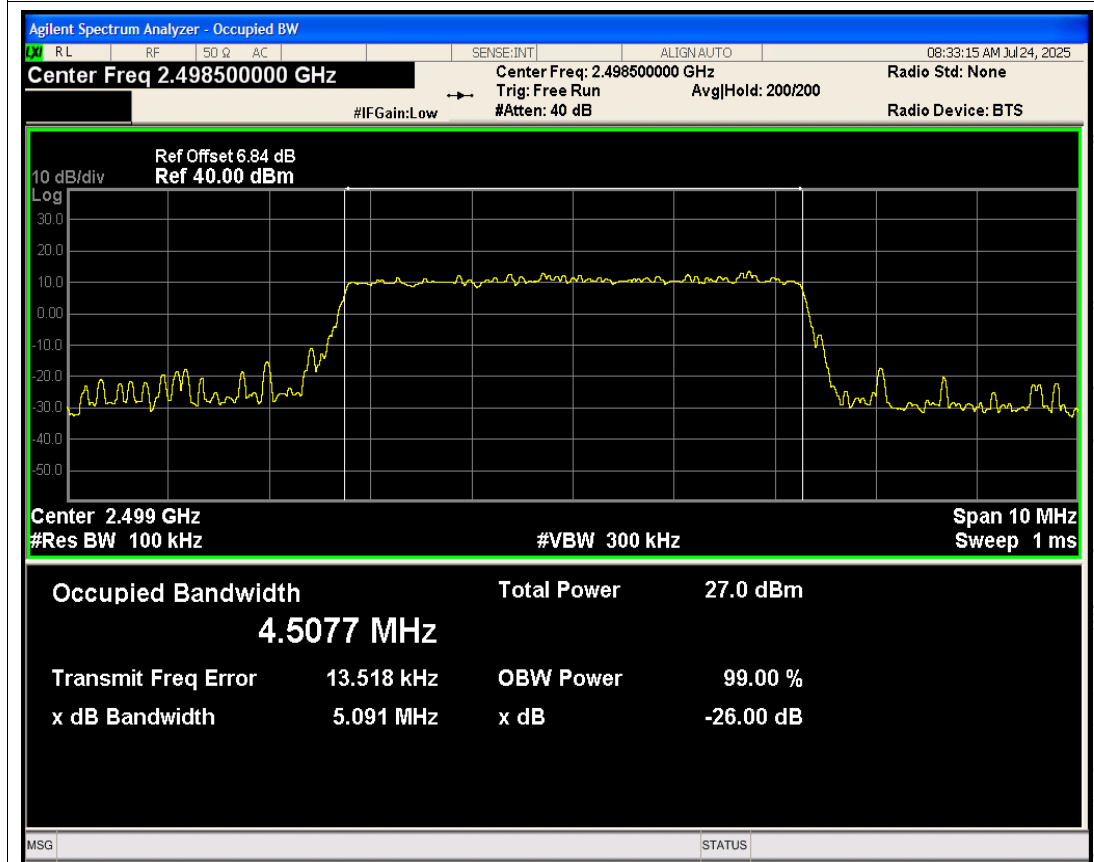
Band41 16QAM BW=20MHz Channel=41490 RB Size=1 Position=#0 NVNT

#### Appendix 4. Occupied bandwidth

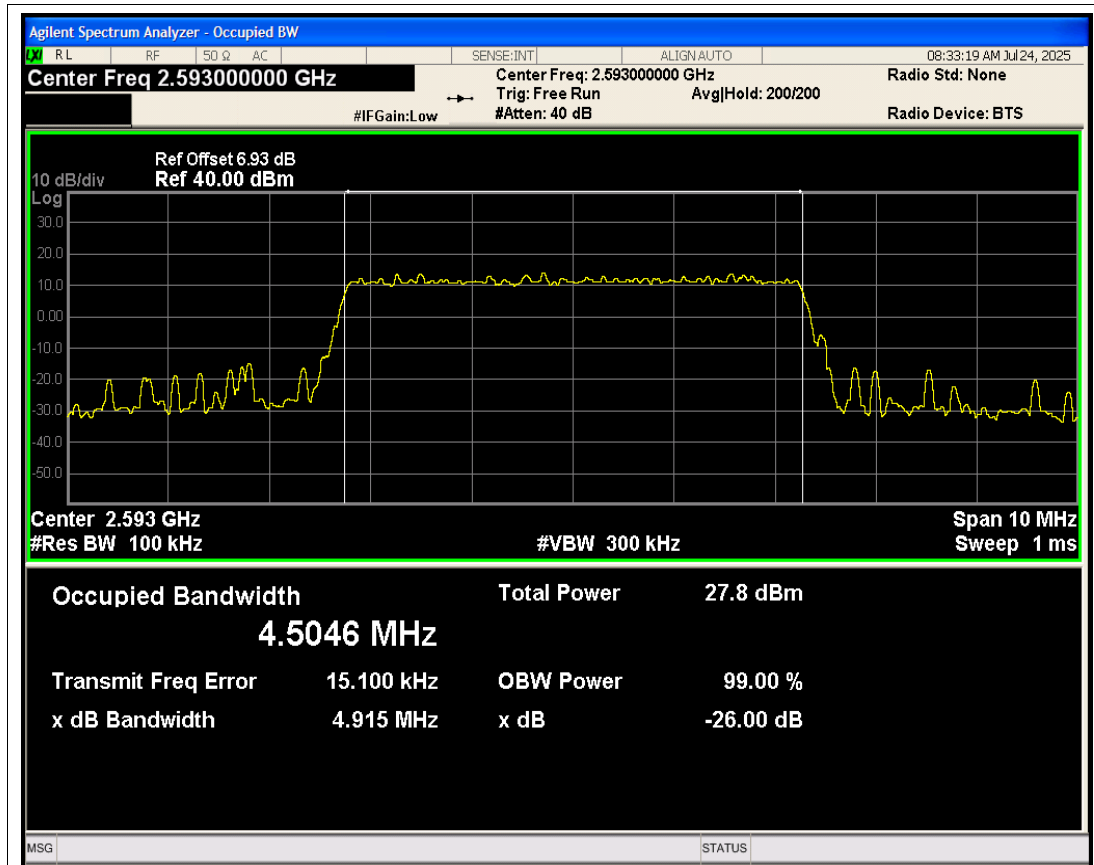
| <i>Band</i> | <i>Bandwidth<br/>(MHz)</i> | <i>UL<br/>Channel</i> | <i>RB<br/>Size</i> | <i>RB<br/>Position</i> | <i>Modulation</i> | <i>99%<br/>OBW<br/>(MHz)</i> | <i>-26dB<br/>EBW<br/>(MHz)</i> | <i>Verdict</i> |
|-------------|----------------------------|-----------------------|--------------------|------------------------|-------------------|------------------------------|--------------------------------|----------------|
| Band41      | 5                          | 39675                 | 25                 | #0                     | QPSK              | 4.504                        | 4.918                          | PASS           |
| Band41      | 5                          | 39675                 | 25                 | #0                     | 16QAM             | 4.508                        | 5.091                          | PASS           |
| Band41      | 5                          | 40620                 | 25                 | #0                     | QPSK              | 4.505                        | 4.915                          | PASS           |
| Band41      | 5                          | 40620                 | 25                 | #0                     | 16QAM             | 4.489                        | 4.938                          | PASS           |
| Band41      | 5                          | 41565                 | 25                 | #0                     | QPSK              | 4.521                        | 5.141                          | PASS           |
| Band41      | 5                          | 41565                 | 25                 | #0                     | 16QAM             | 4.501                        | 5.009                          | PASS           |
| Band41      | 10                         | 39700                 | 50                 | #0                     | QPSK              | 8.998                        | 9.902                          | PASS           |
| Band41      | 10                         | 39700                 | 50                 | #0                     | 16QAM             | 8.973                        | 9.693                          | PASS           |
| Band41      | 10                         | 40620                 | 50                 | #0                     | QPSK              | 8.967                        | 9.848                          | PASS           |
| Band41      | 10                         | 40620                 | 50                 | #0                     | 16QAM             | 8.981                        | 9.804                          | PASS           |
| Band41      | 10                         | 41540                 | 50                 | #0                     | QPSK              | 9.010                        | 9.841                          | PASS           |
| Band41      | 10                         | 41540                 | 50                 | #0                     | 16QAM             | 9.000                        | 9.928                          | PASS           |
| Band41      | 15                         | 39725                 | 75                 | #0                     | QPSK              | 13.454                       | 14.856                         | PASS           |
| Band41      | 15                         | 39725                 | 75                 | #0                     | 16QAM             | 13.410                       | 14.598                         | PASS           |
| Band41      | 15                         | 40620                 | 75                 | #0                     | QPSK              | 13.479                       | 14.917                         | PASS           |
| Band41      | 15                         | 40620                 | 75                 | #0                     | 16QAM             | 13.513                       | 15.022                         | PASS           |
| Band41      | 15                         | 41515                 | 75                 | #0                     | QPSK              | 13.477                       | 15.591                         | PASS           |
| Band41      | 15                         | 41515                 | 75                 | #0                     | 16QAM             | 13.506                       | 14.815                         | PASS           |
| Band41      | 20                         | 39750                 | 100                | #0                     | QPSK              | 17.937                       | 19.263                         | PASS           |
| Band41      | 20                         | 39750                 | 100                | #0                     | 16QAM             | 17.961                       | 19.317                         | PASS           |
| Band41      | 20                         | 40620                 | 100                | #0                     | QPSK              | 18.024                       | 19.708                         | PASS           |
| Band41      | 20                         | 40620                 | 100                | #0                     | 16QAM             | 18.035                       | 19.254                         | PASS           |
| Band41      | 20                         | 41490                 | 100                | #0                     | QPSK              | 17.972                       | 19.636                         | PASS           |
| Band41      | 20                         | 41490                 | 100                | #0                     | 16QAM             | 18.014                       | 19.592                         | PASS           |



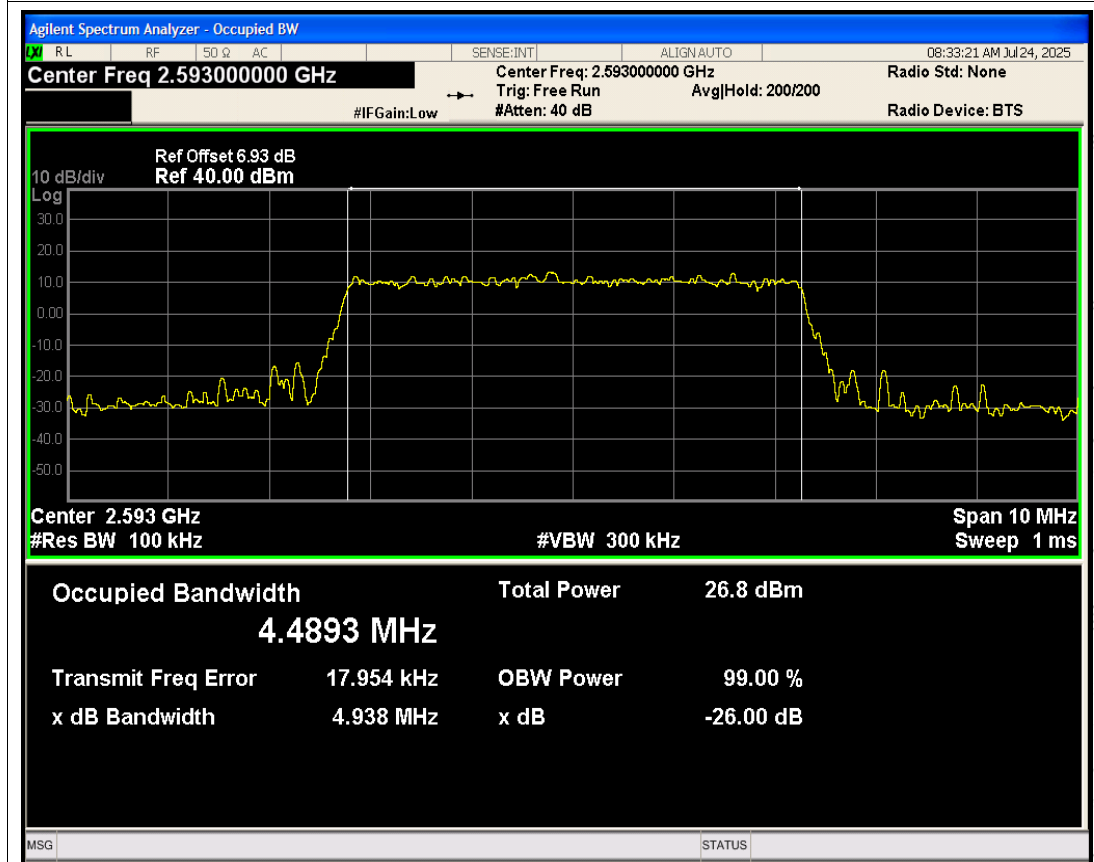
Band41 QPSK BW=5MHz Channel=39675 RB Size=25 Position=#0 NVNT



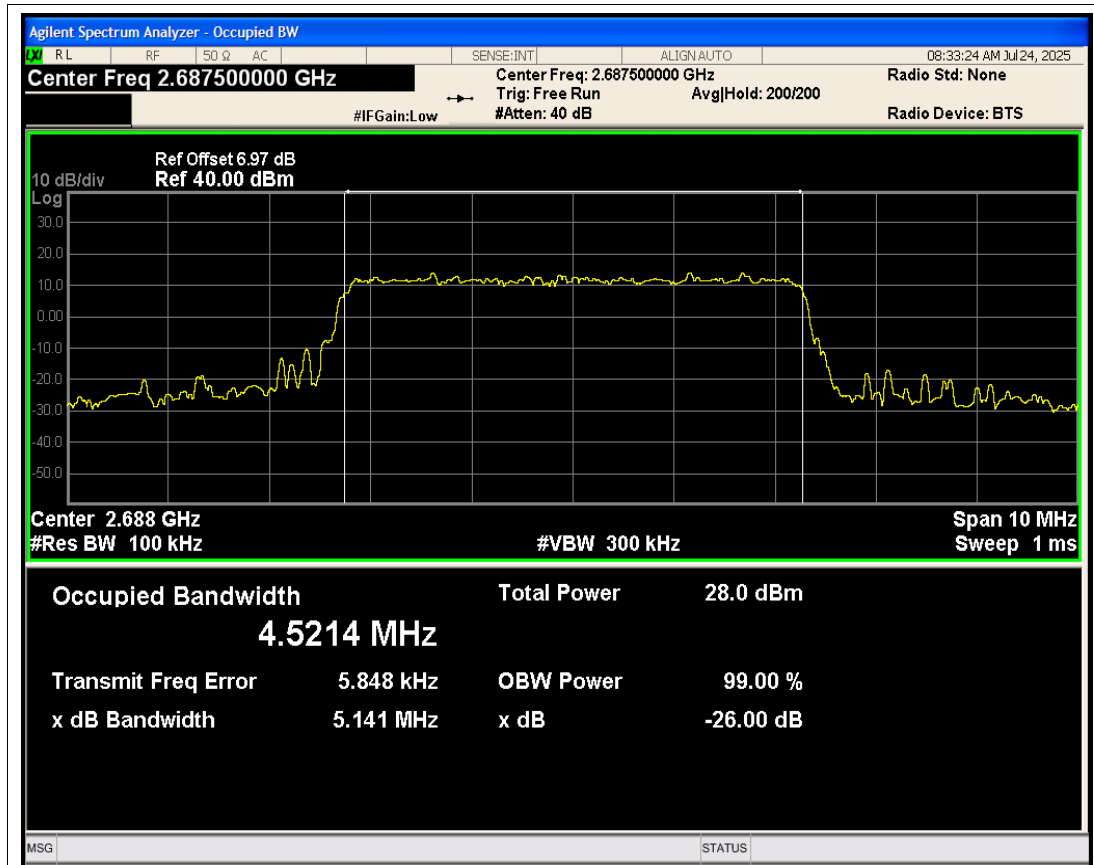
Band41 16QAM BW=5MHz Channel=39675 RB Size=25 Position=#0 NVNT



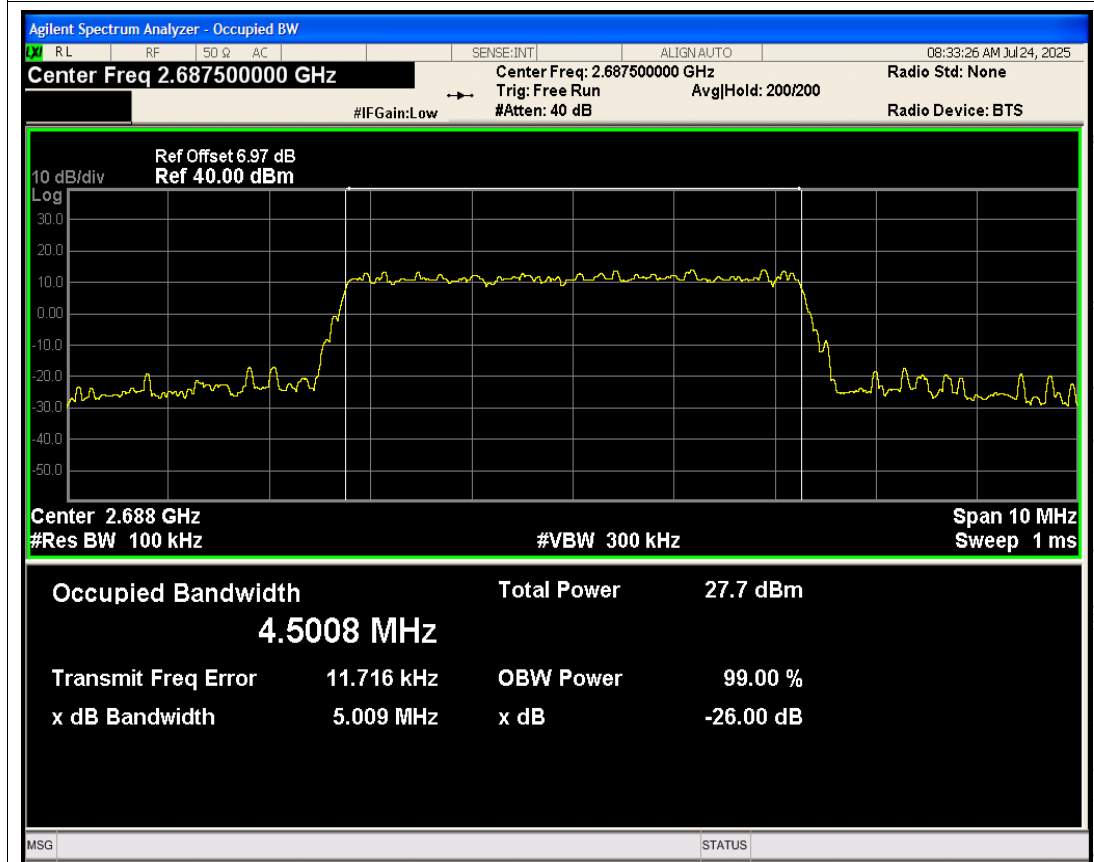
Band41 QPSK BW=5MHz Channel=40620 RB Size=25 Position=#0 NVNT



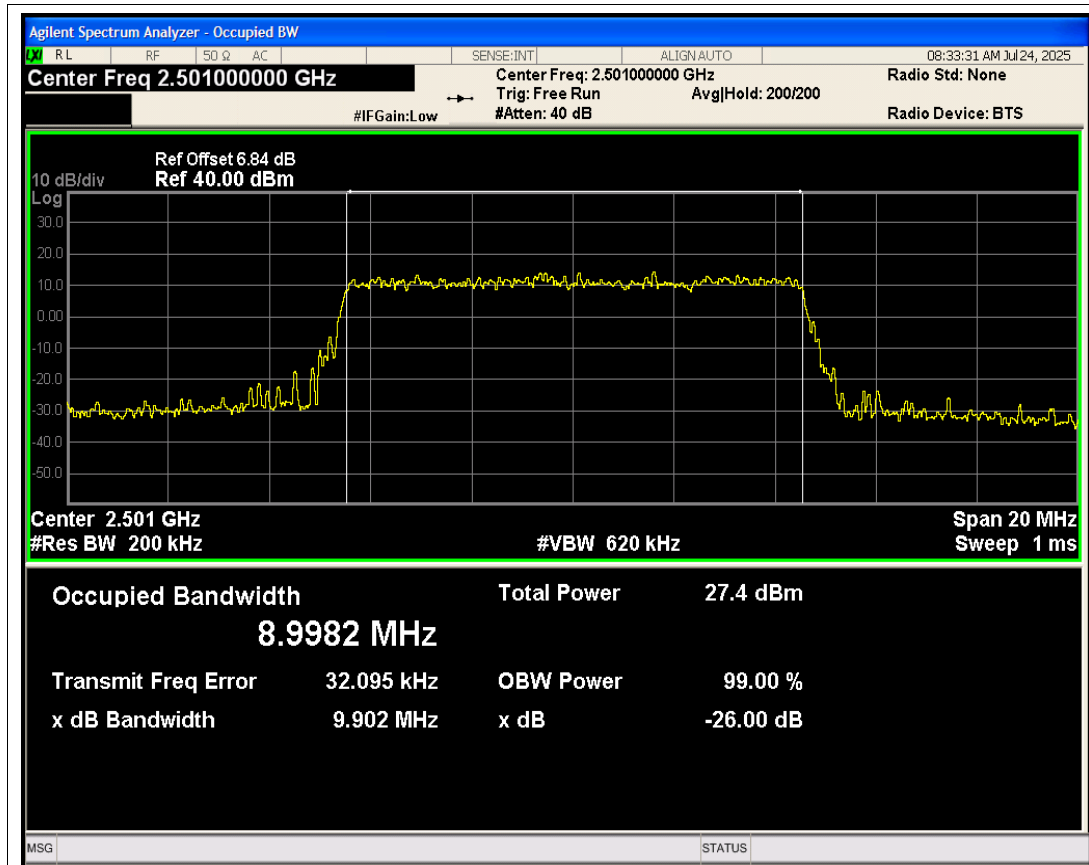
Band41 16QAM BW=5MHz Channel=40620 RB Size=25 Position=#0 NVNT



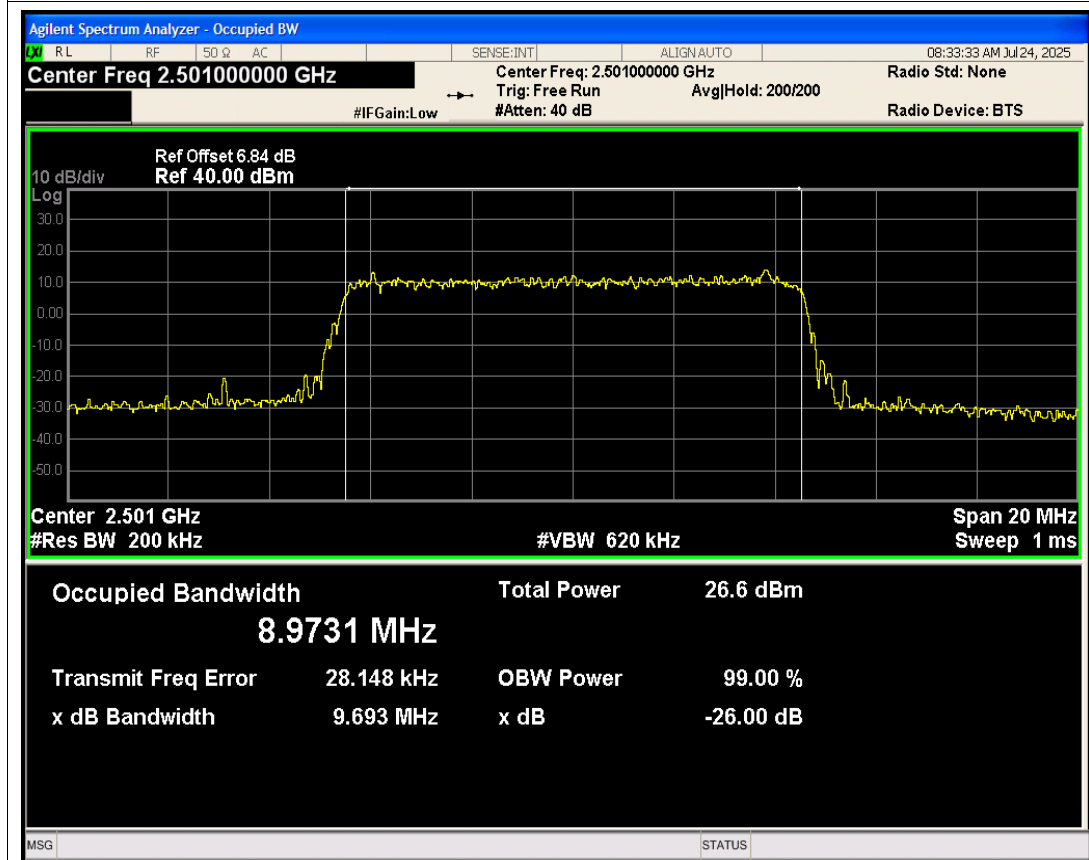
Band41 QPSK BW=5MHz Channel=41565 RB Size=25 Position=#0 NVNT



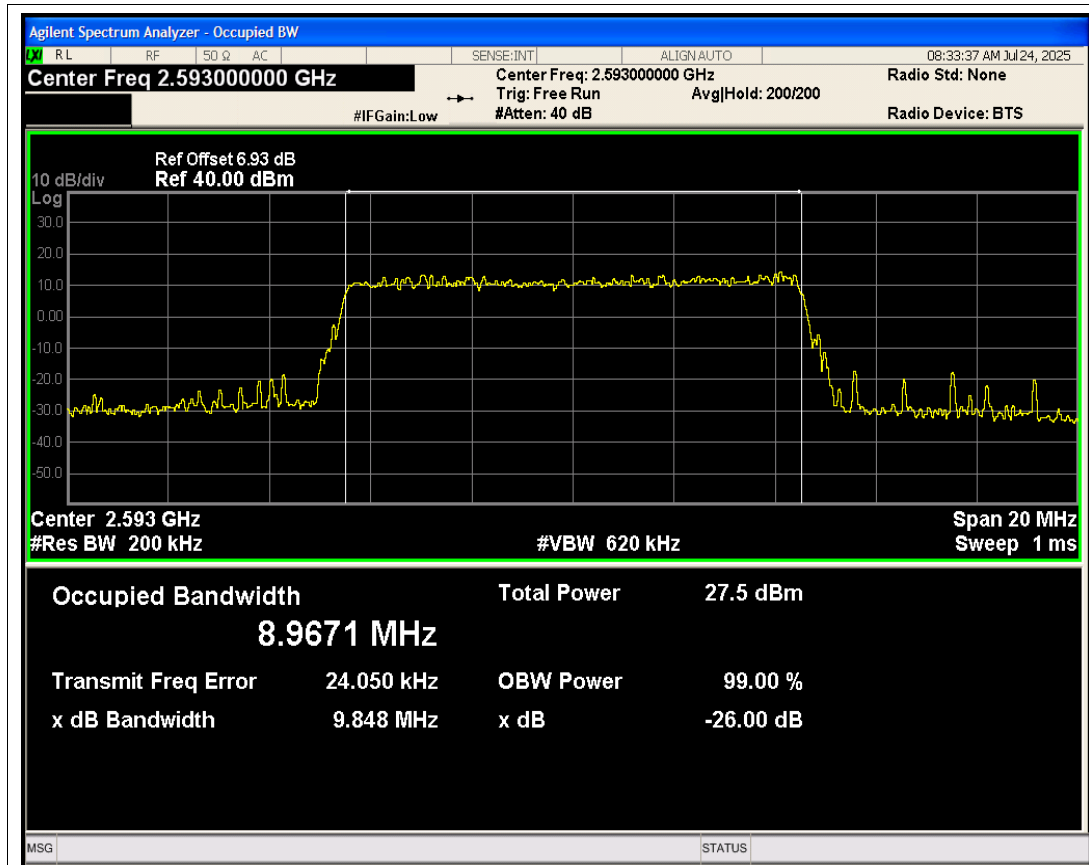
Band41 16QAM BW=5MHz Channel=41565 RB Size=25 Position=#0 NVNT



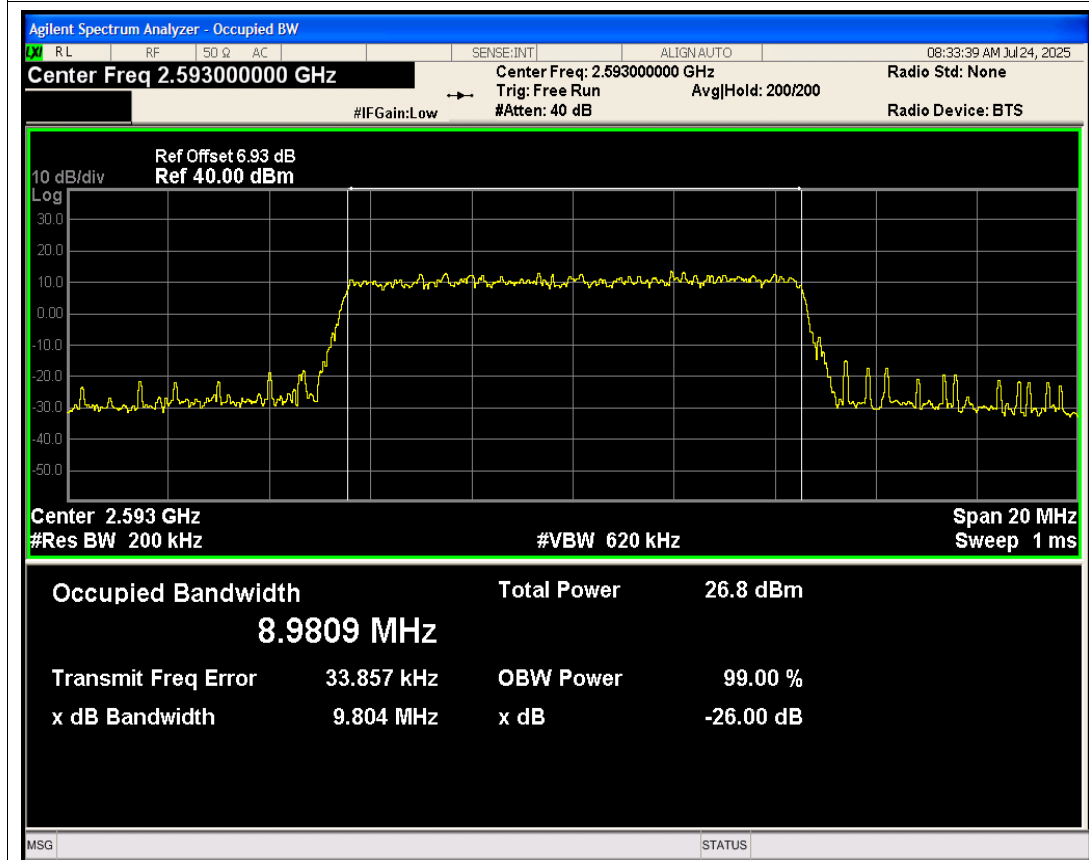
Band41 QPSK BW=10MHz Channel=39700 RB Size=50 Position=#0 NVNT



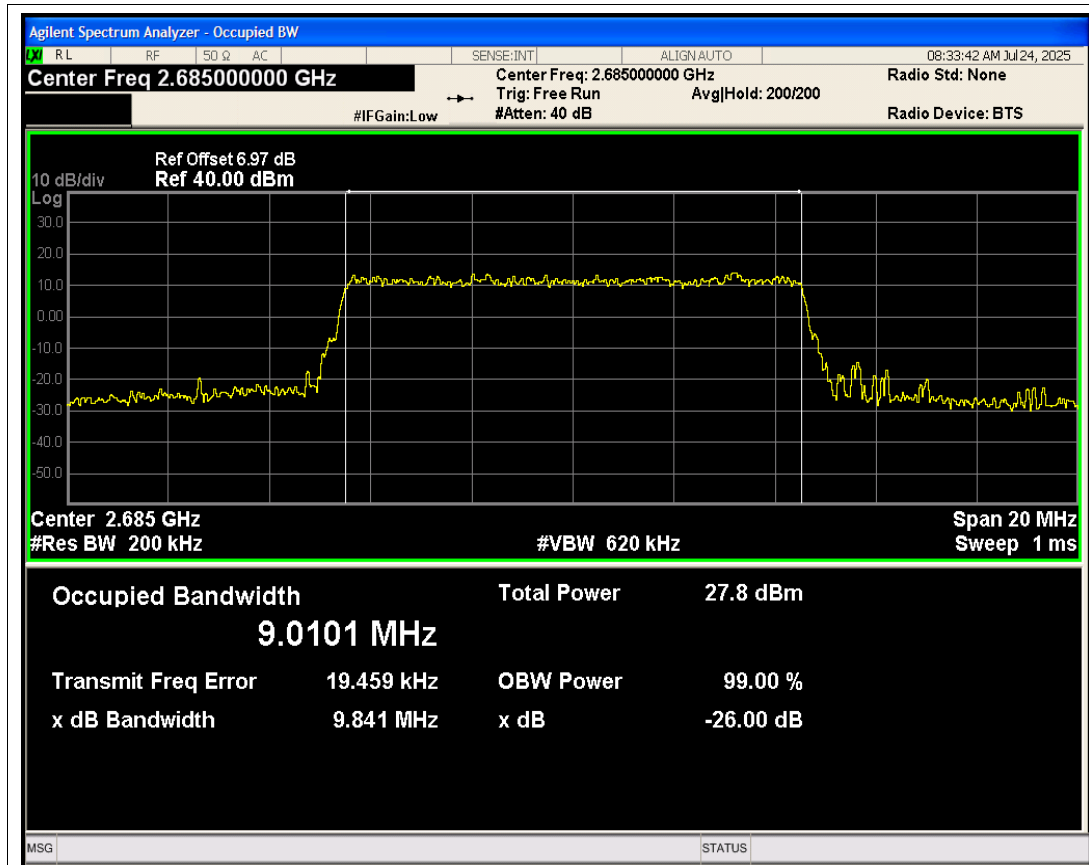
Band41 16QAM BW=10MHz Channel=39700 RB Size=50 Position=#0 NVNT



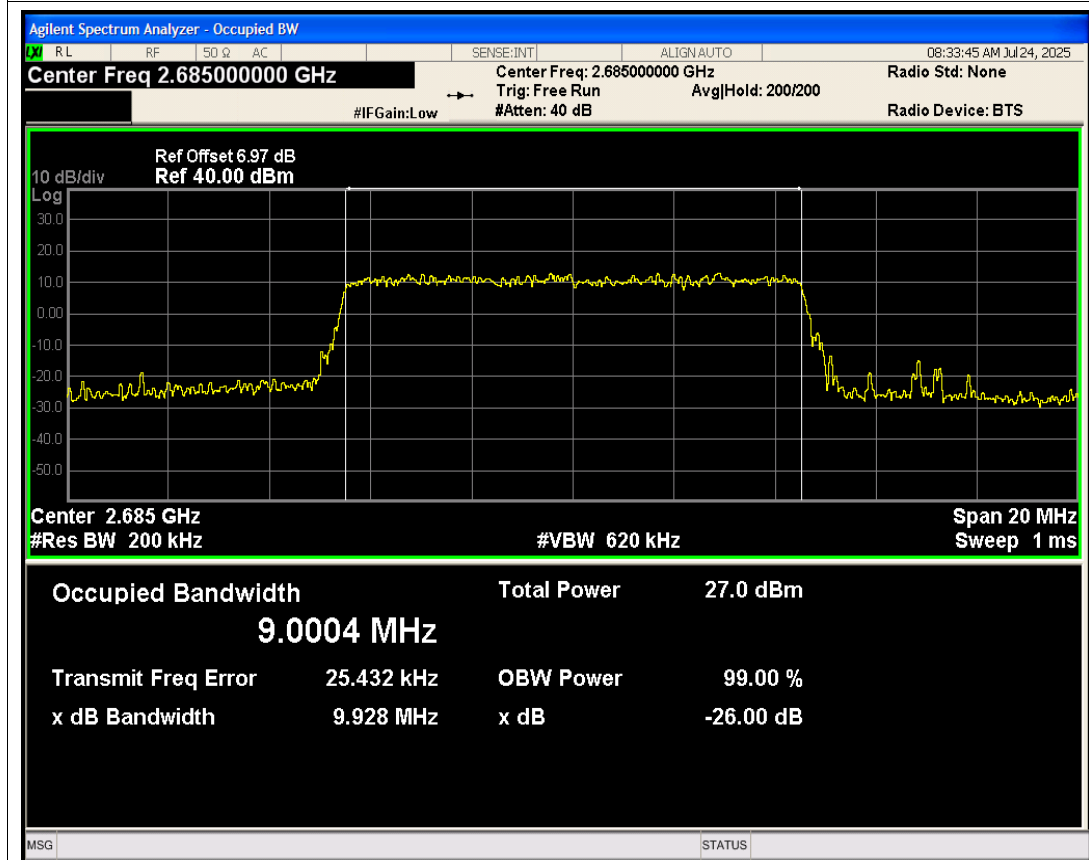
Band41 QPSK BW=10MHz Channel=40620 RB Size=50 Position=#0 NVNT



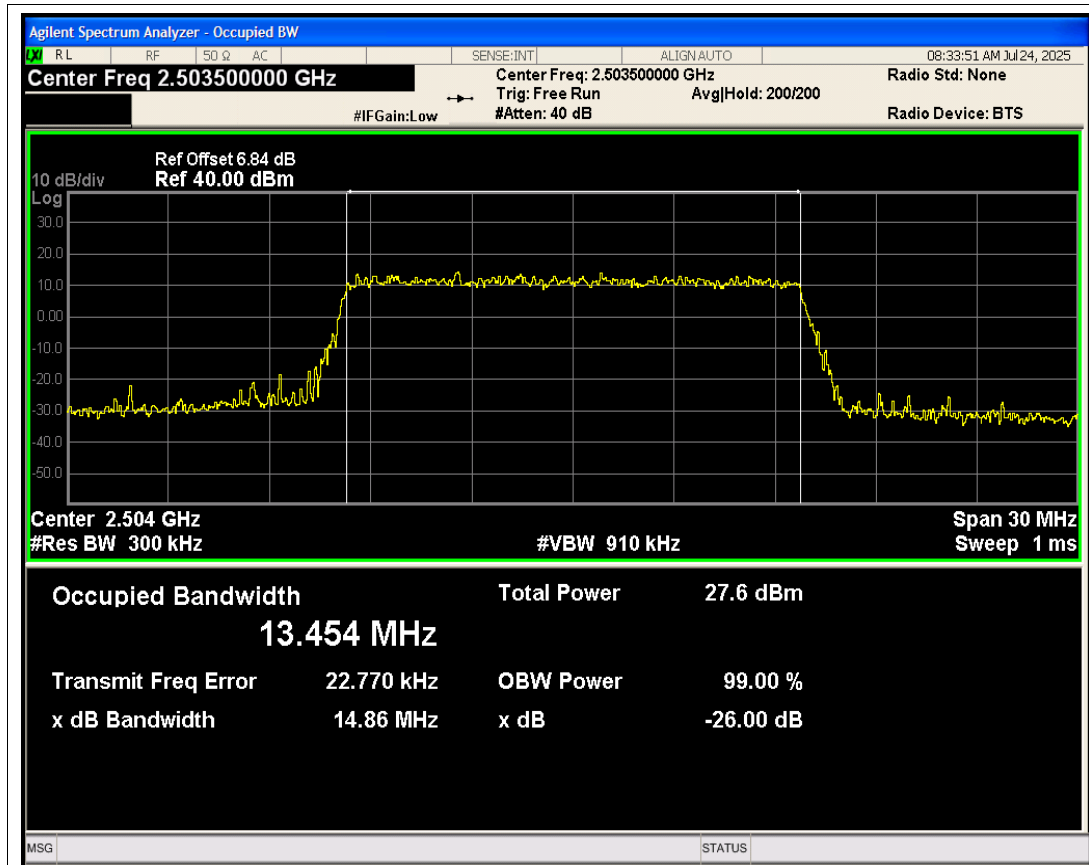
Band41 16QAM BW=10MHz Channel=40620 RB Size=50 Position=#0 NVNT



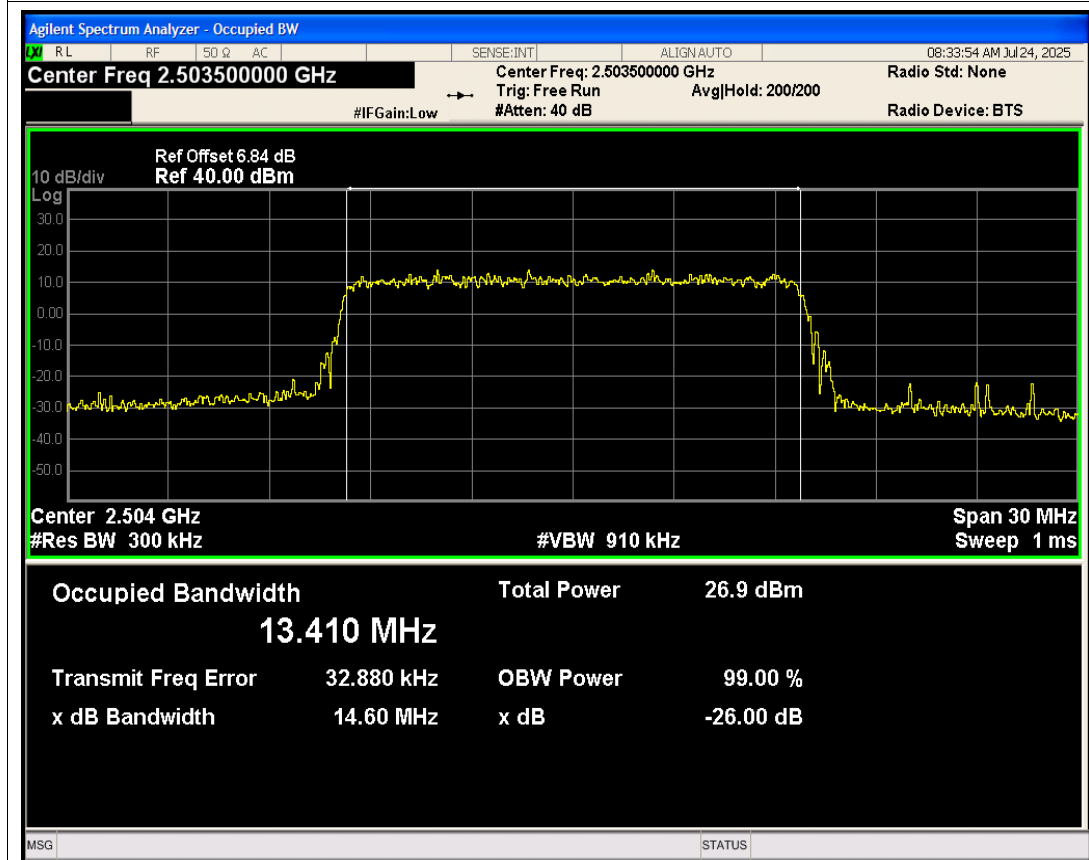
Band41 QPSK BW=10MHz Channel=41540 RB Size=50 Position=#0 NVNT



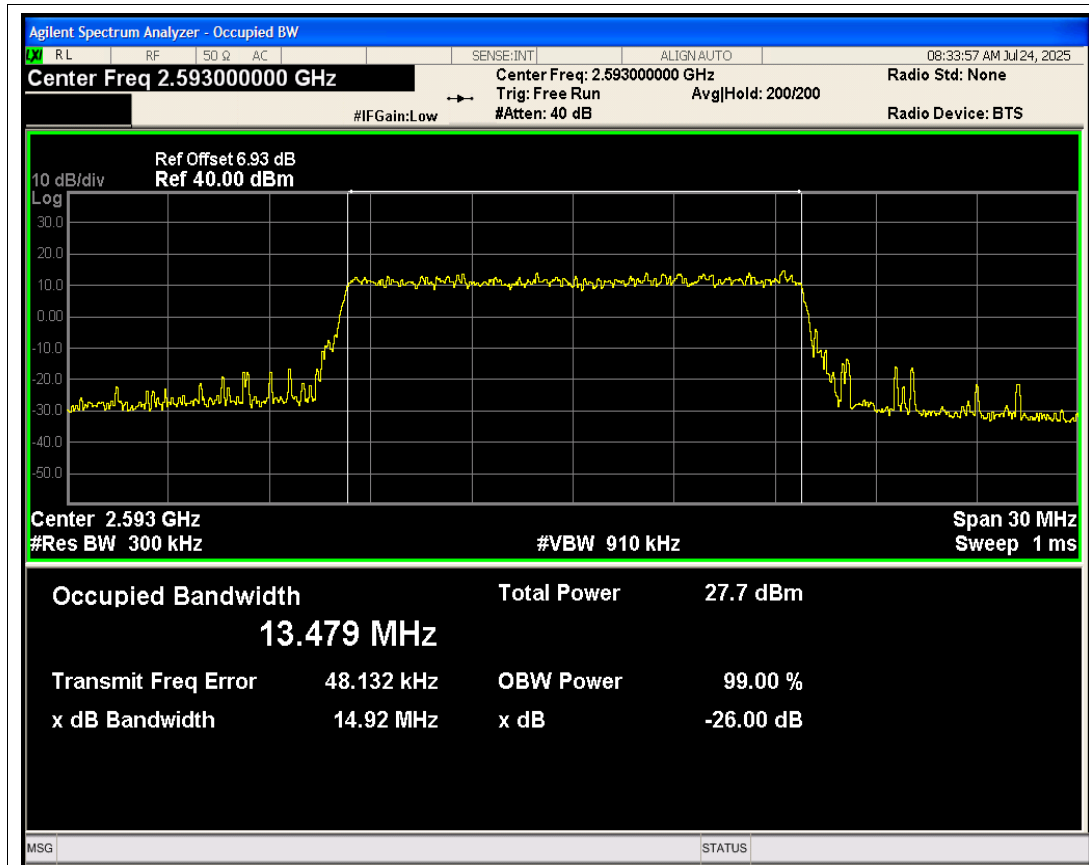
Band41 16QAM BW=10MHz Channel=41540 RB Size=50 Position=#0 NVNT



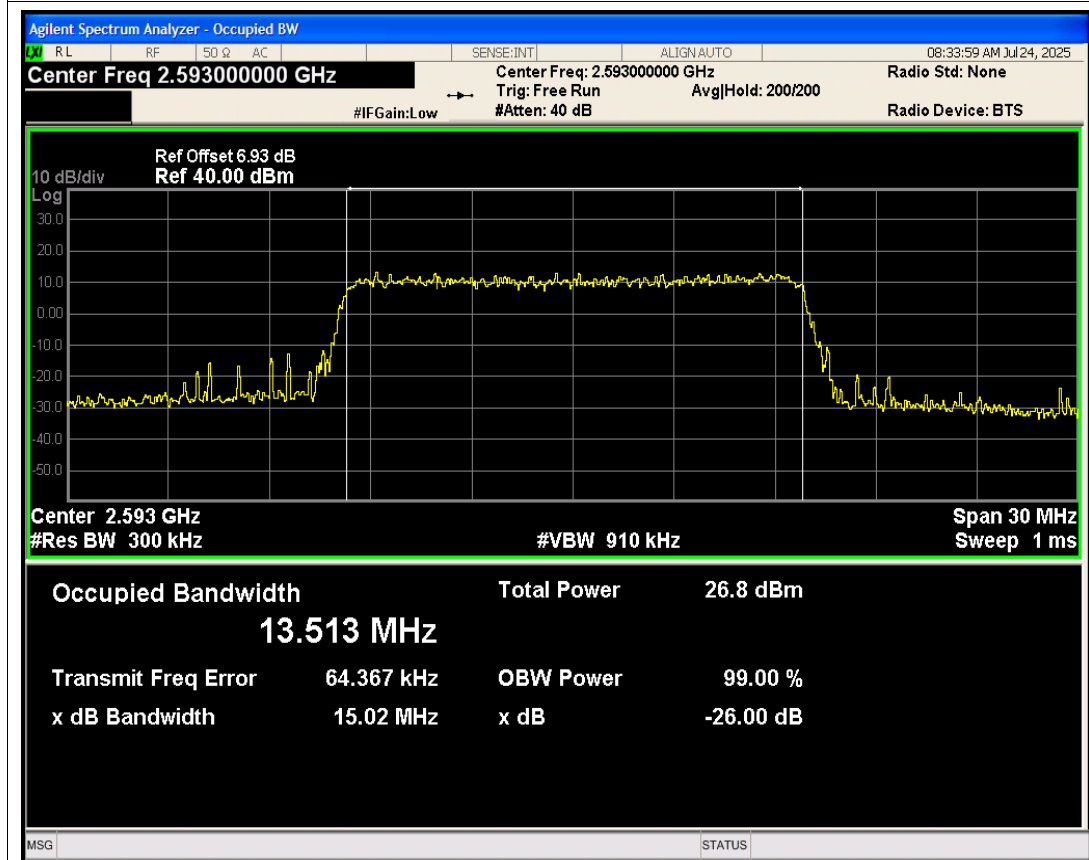
Band41 QPSK BW=15MHz Channel=39725 RB Size=75 Position=#0 NVNT



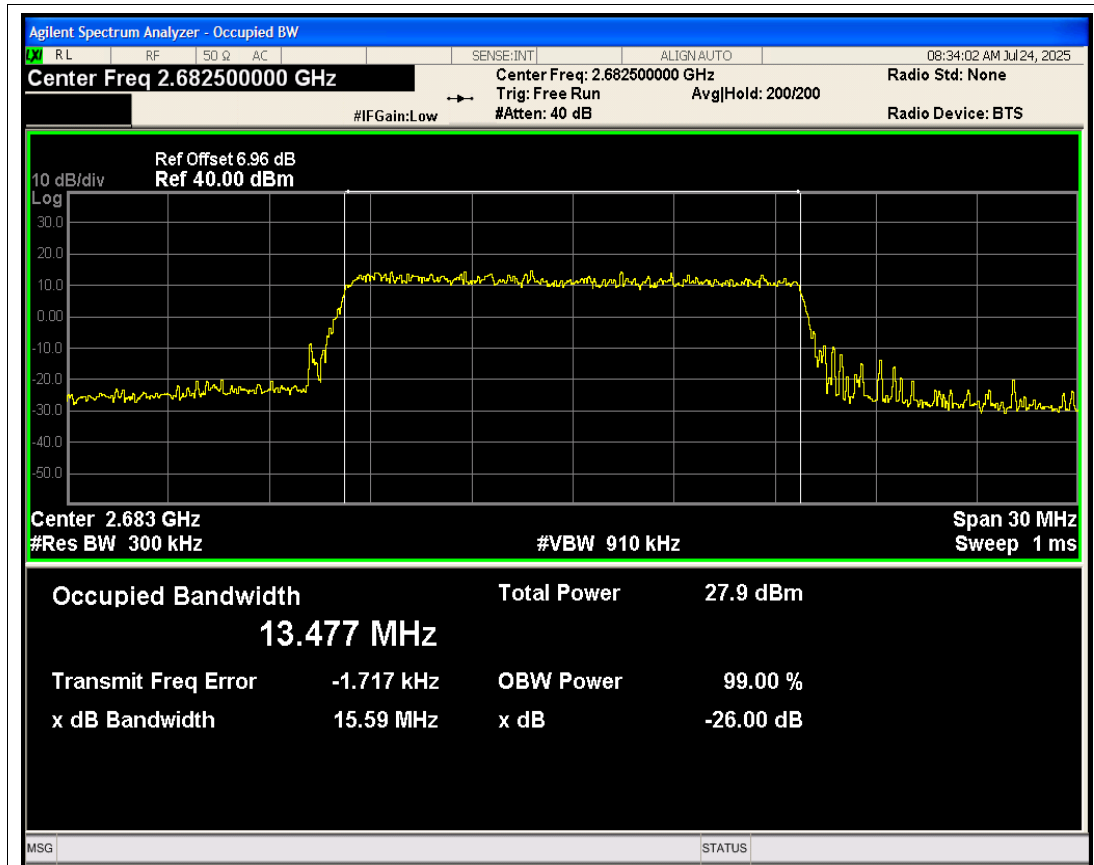
Band41 16QAM BW=15MHz Channel=39725 RB Size=75 Position=#0 NVNT



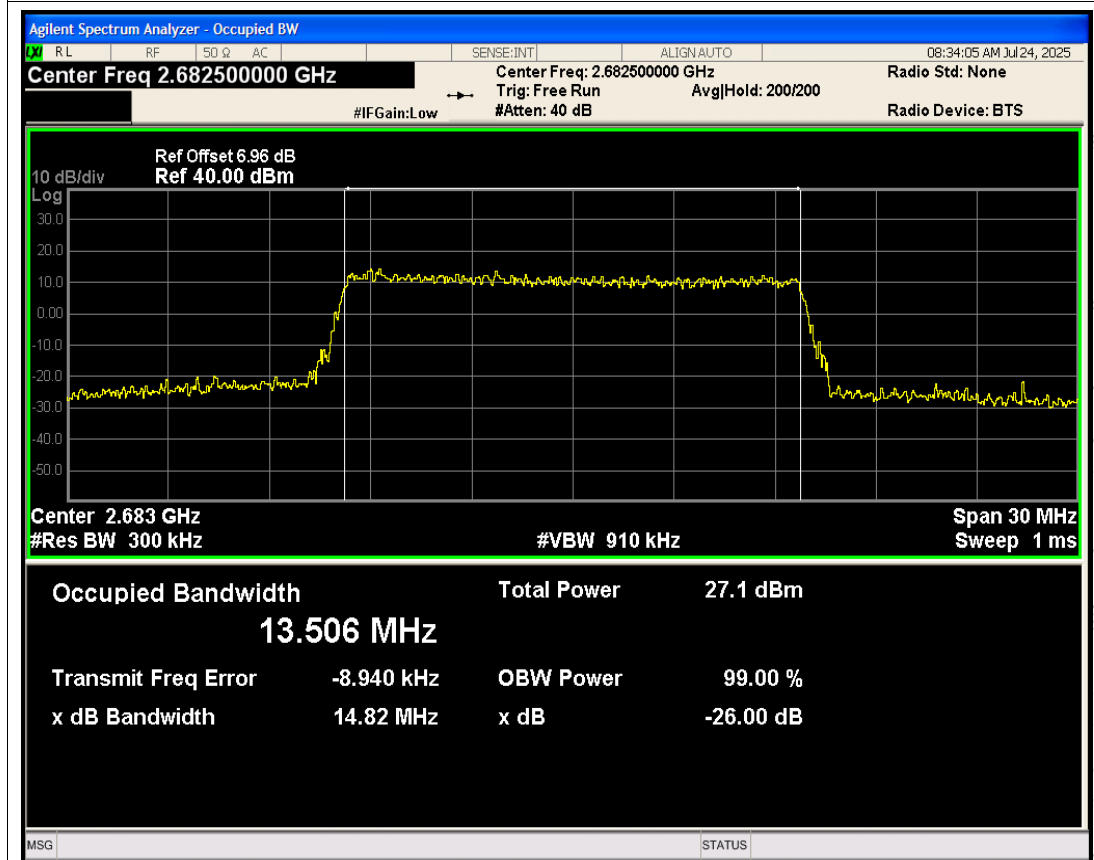
Band41 QPSK BW=15MHz Channel=40620 RB Size=75 Position=#0 NVNT



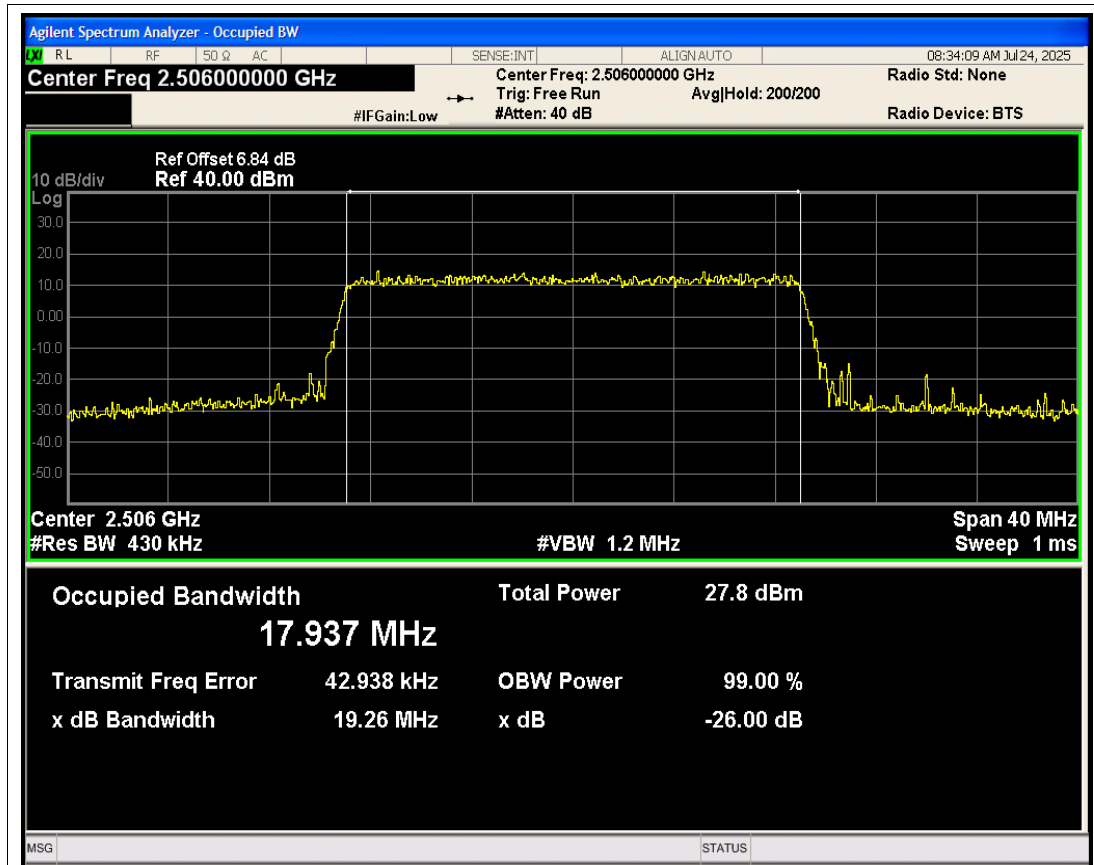
Band41 16QAM BW=15MHz Channel=40620 RB Size=75 Position=#0 NVNT



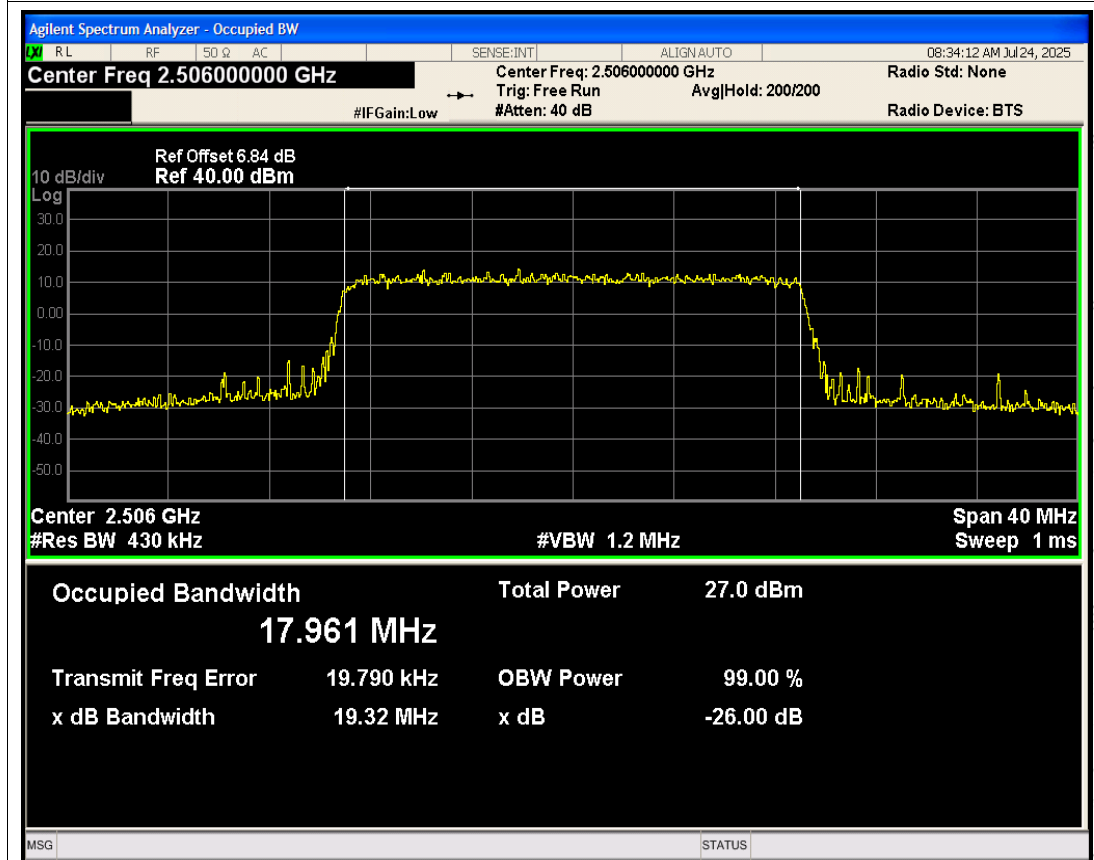
Band41 QPSK BW=15MHz Channel=41515 RB Size=75 Position=#0 NVNT



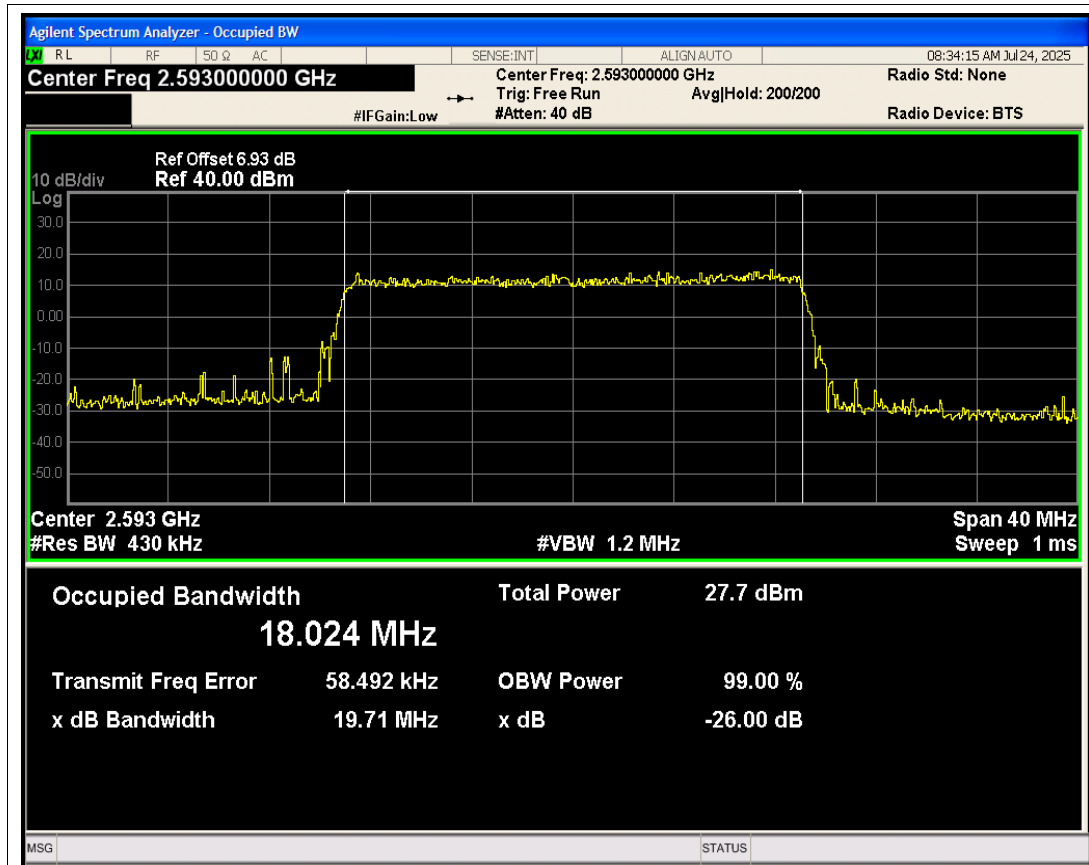
Band41 16QAM BW=15MHz Channel=41515 RB Size=75 Position=#0 NVNT



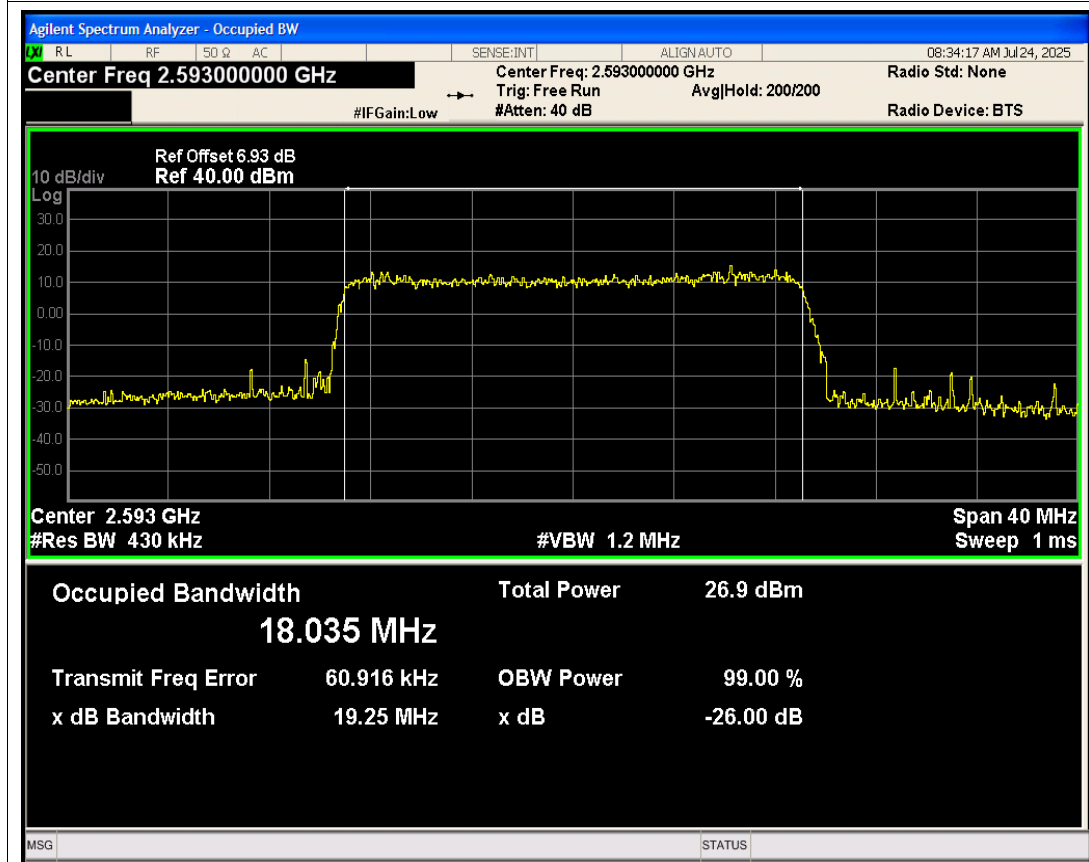
Band41 QPSK BW=20MHz Channel=39750 RB Size=100 Position=#0 NVNT



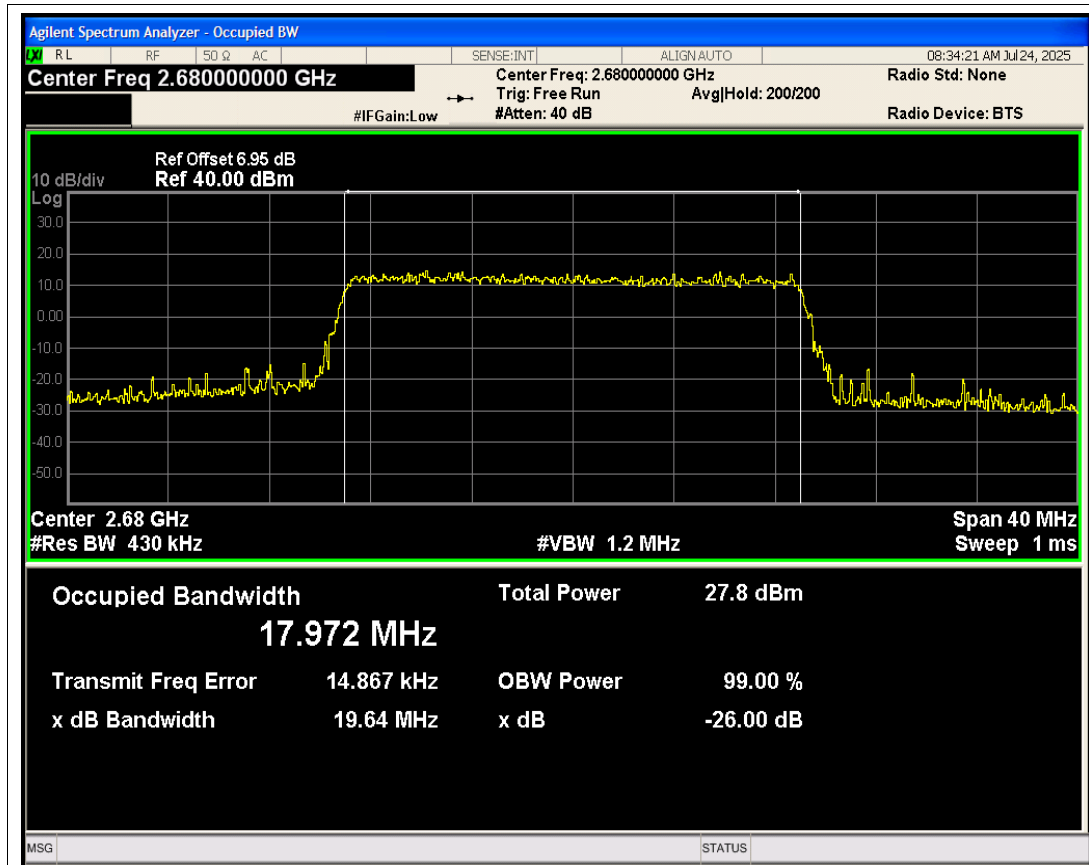
Band41 16QAM BW=20MHz Channel=39750 RB Size=100 Position=#0 NVNT



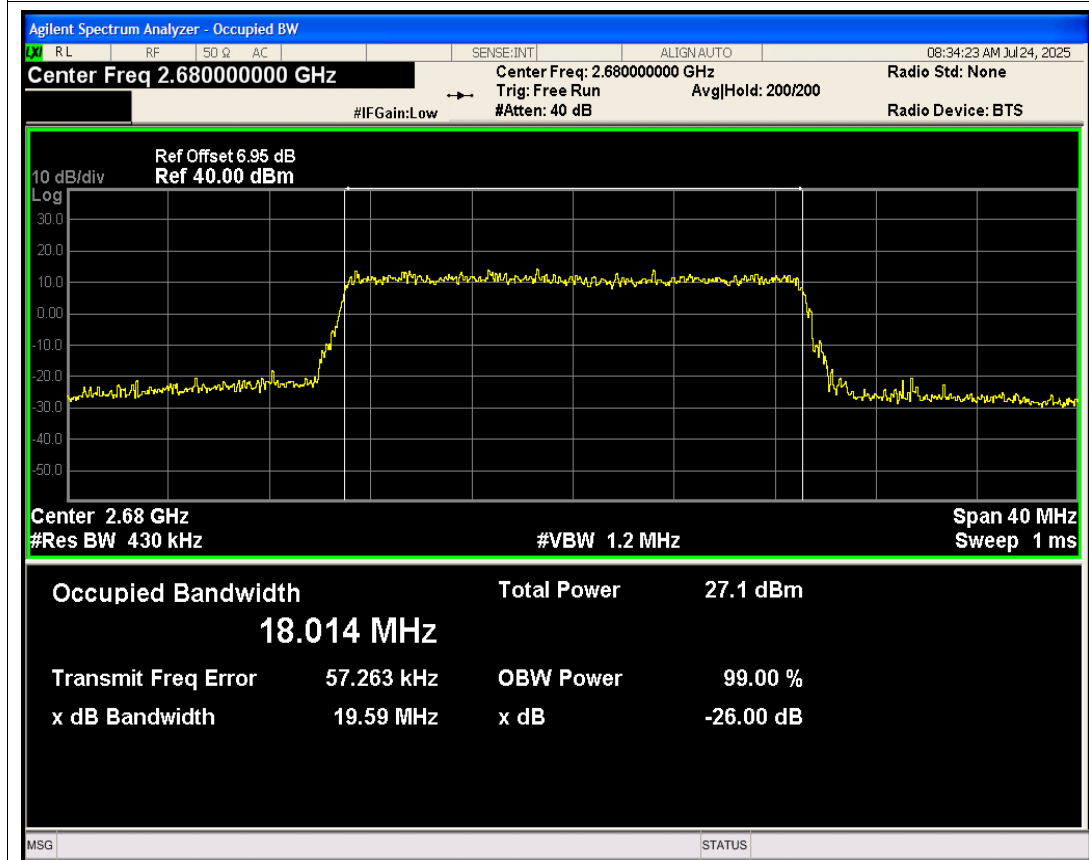
Band41 QPSK BW=20MHz Channel=40620 RB Size=100 Position=#0 NVNT



Band41 16QAM BW=20MHz Channel=40620 RB Size=100 Position=#0 NVNT



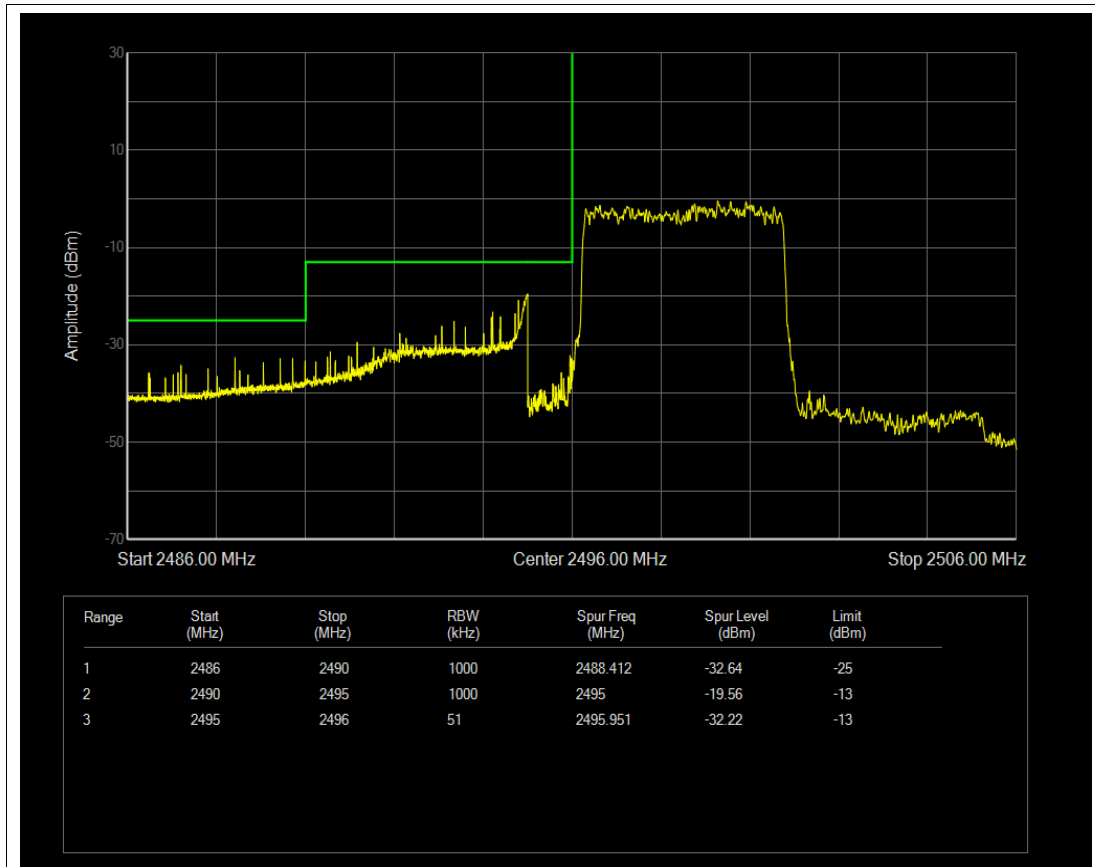
Band41 QPSK BW=20MHz Channel=41490 RB Size=100 Position=#0 NVNT



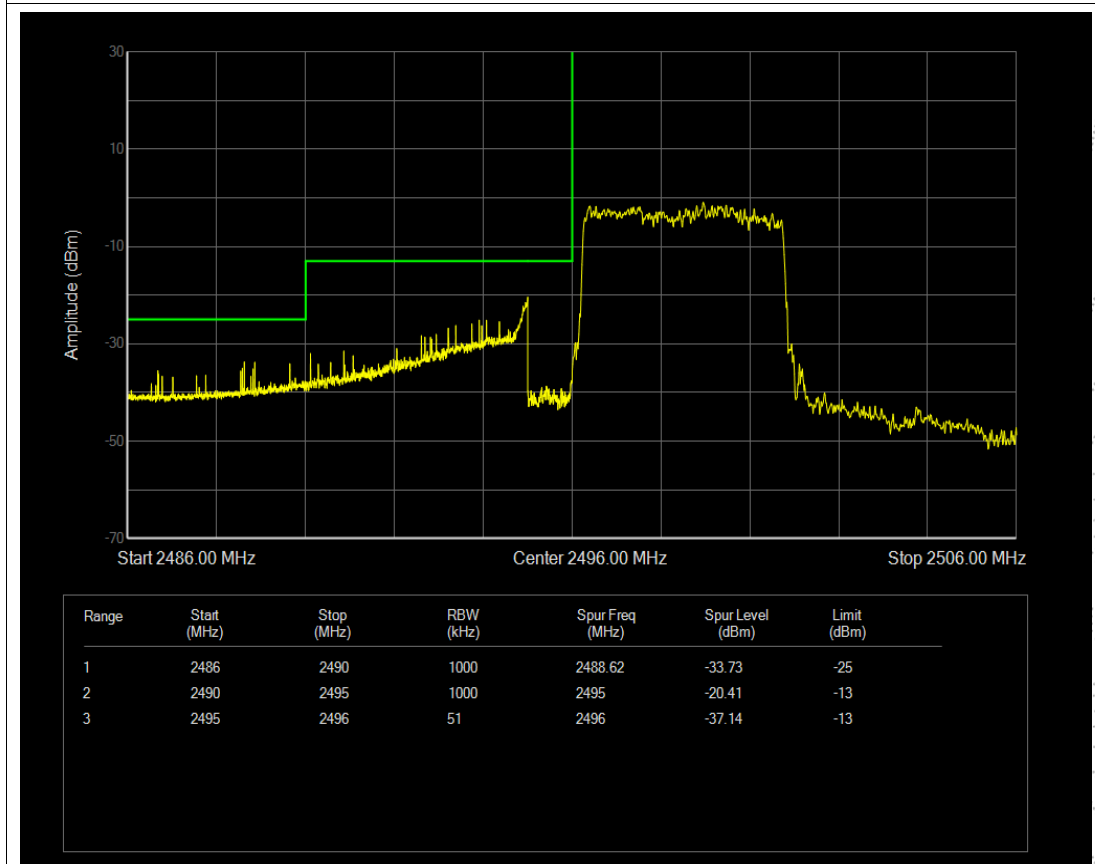
Band41 16QAM BW=20MHz Channel=41490 RB Size=100 Position=#0 NVNT

### Appendix 5. Band edge

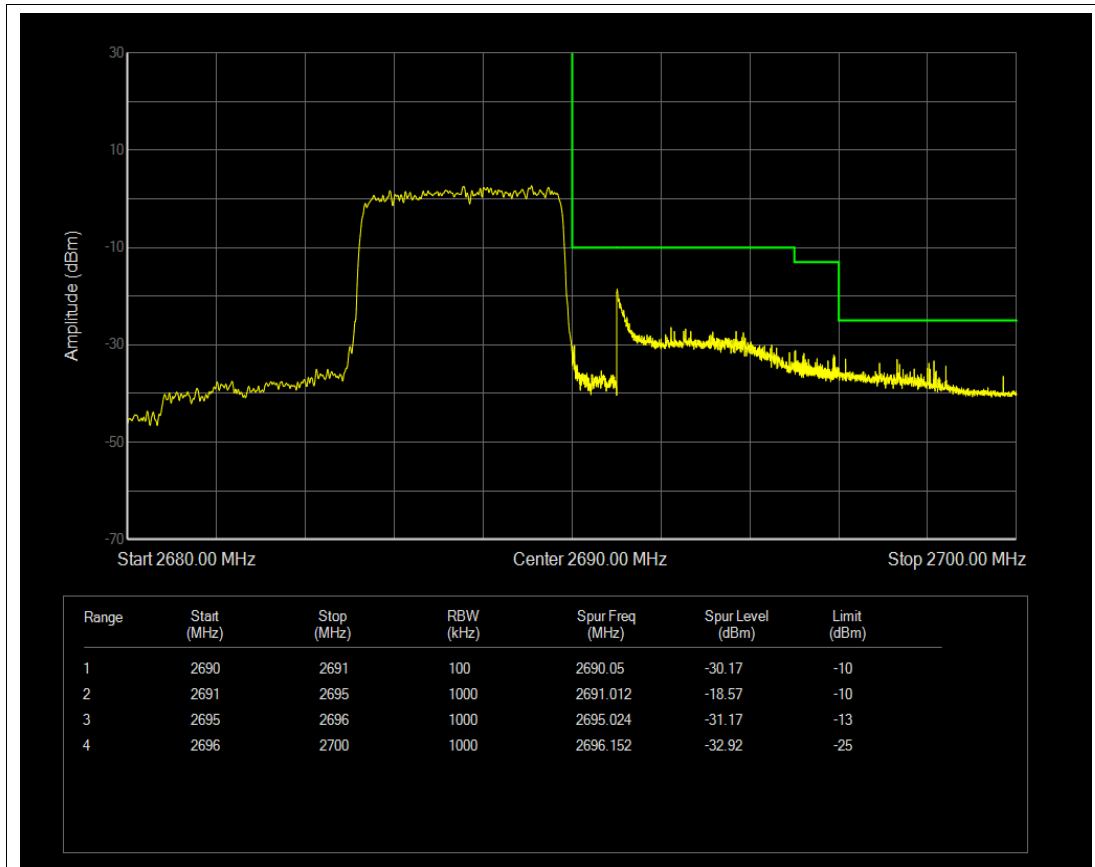
| Band   | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) | Verdict |
|--------|-----------------|------------|---------|-------------|------------|-----------------|------------------|-------------|---------|
| Band41 | 5               | 39675      | 25      | #0          | QPSK       | 2495.00         | -19.56           | -13         | PASS    |
| Band41 | 5               | 39675      | 25      | #0          | 16QAM      | 2495.00         | -20.41           | -13         | PASS    |
| Band41 | 5               | 41565      | 25      | #0          | QPSK       | 2696.15         | -32.92           | -25         | PASS    |
| Band41 | 5               | 41565      | 25      | #0          | 16QAM      | 2696.21         | -29.30           | -25         | PASS    |
| Band41 | 10              | 39700      | 50      | #0          | QPSK       | 2485.84         | -38.60           | -25         | PASS    |
| Band41 | 10              | 39700      | 50      | #0          | 16QAM      | 2485.20         | -37.64           | -25         | PASS    |
| Band41 | 10              | 41540      | 50      | #0          | QPSK       | 2700.50         | -33.56           | -25         | PASS    |
| Band41 | 10              | 41540      | 50      | #0          | 16QAM      | 2700.39         | -33.15           | -25         | PASS    |
| Band41 | 15              | 39725      | 75      | #0          | QPSK       | 2480.49         | -40.09           | -25         | PASS    |
| Band41 | 15              | 39725      | 75      | #0          | 16QAM      | 2480.99         | -39.34           | -25         | PASS    |
| Band41 | 15              | 41515      | 75      | #0          | QPSK       | 2706.76         | -36.27           | -25         | PASS    |
| Band41 | 15              | 41515      | 75      | #0          | 16QAM      | 2706.80         | -37.10           | -25         | PASS    |
| Band41 | 20              | 39750      | 100     | #0          | QPSK       | 2471.24         | -40.55           | -25         | PASS    |
| Band41 | 20              | 39750      | 100     | #0          | 16QAM      | 2475.30         | -40.40           | -25         | PASS    |
| Band41 | 20              | 41490      | 100     | #0          | QPSK       | 2710.57         | -39.05           | -25         | PASS    |
| Band41 | 20              | 41490      | 100     | #0          | 16QAM      | 2710.44         | -38.98           | -25         | PASS    |



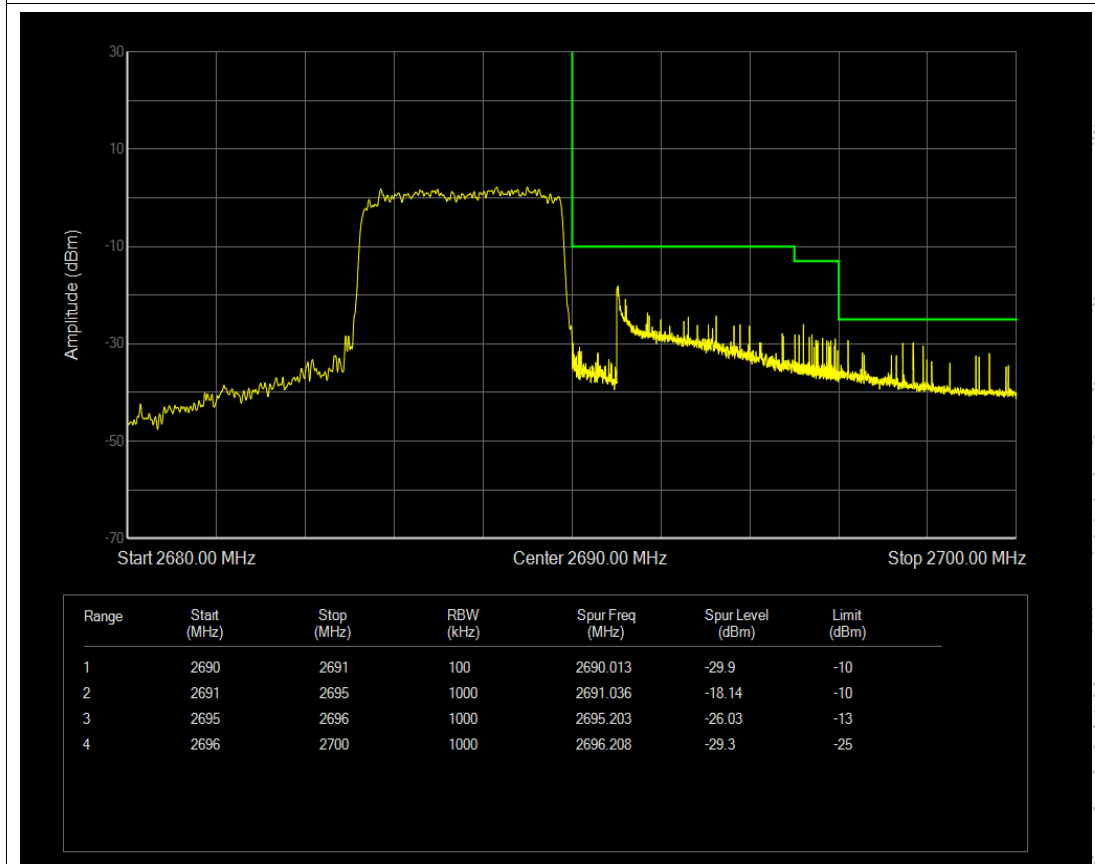
Band41 QPSK BW=5MHz Channel=39675 RB Size=25 Position=#0 NVNT



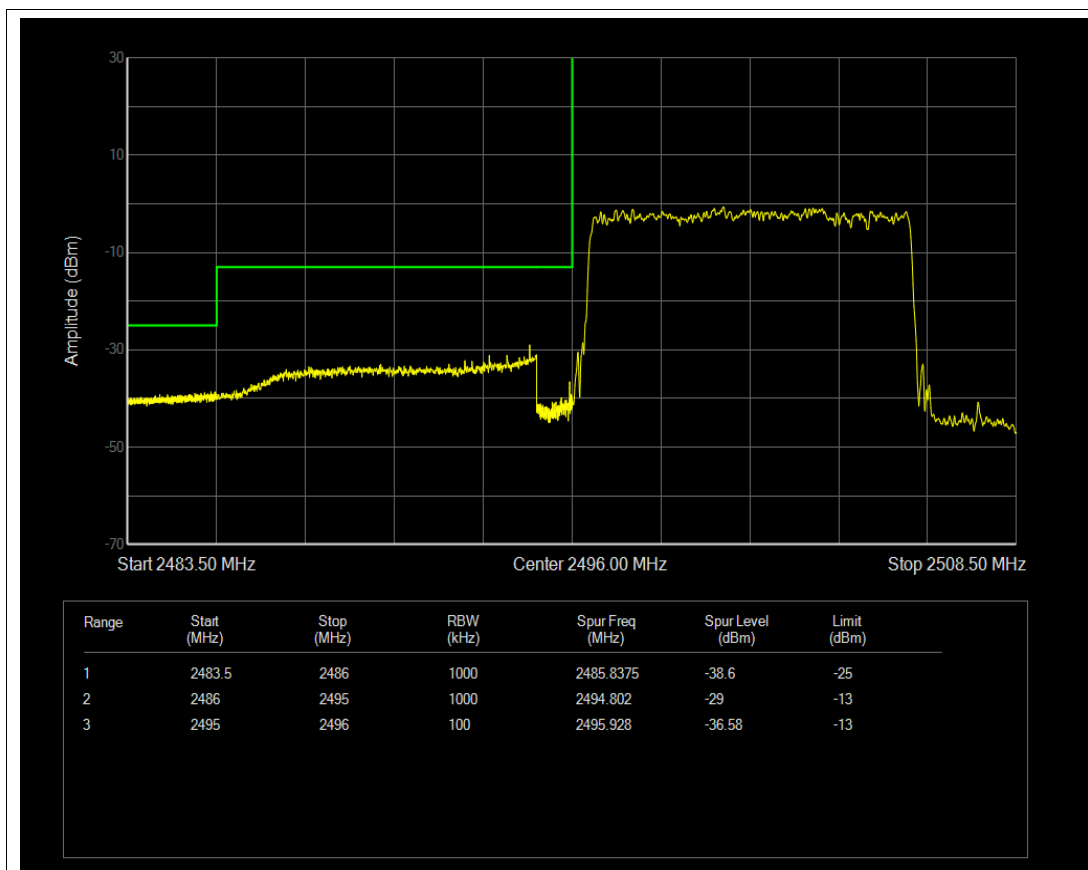
Band41 16QAM BW=5MHz Channel=39675 RB Size=25 Position=#0 NVNT



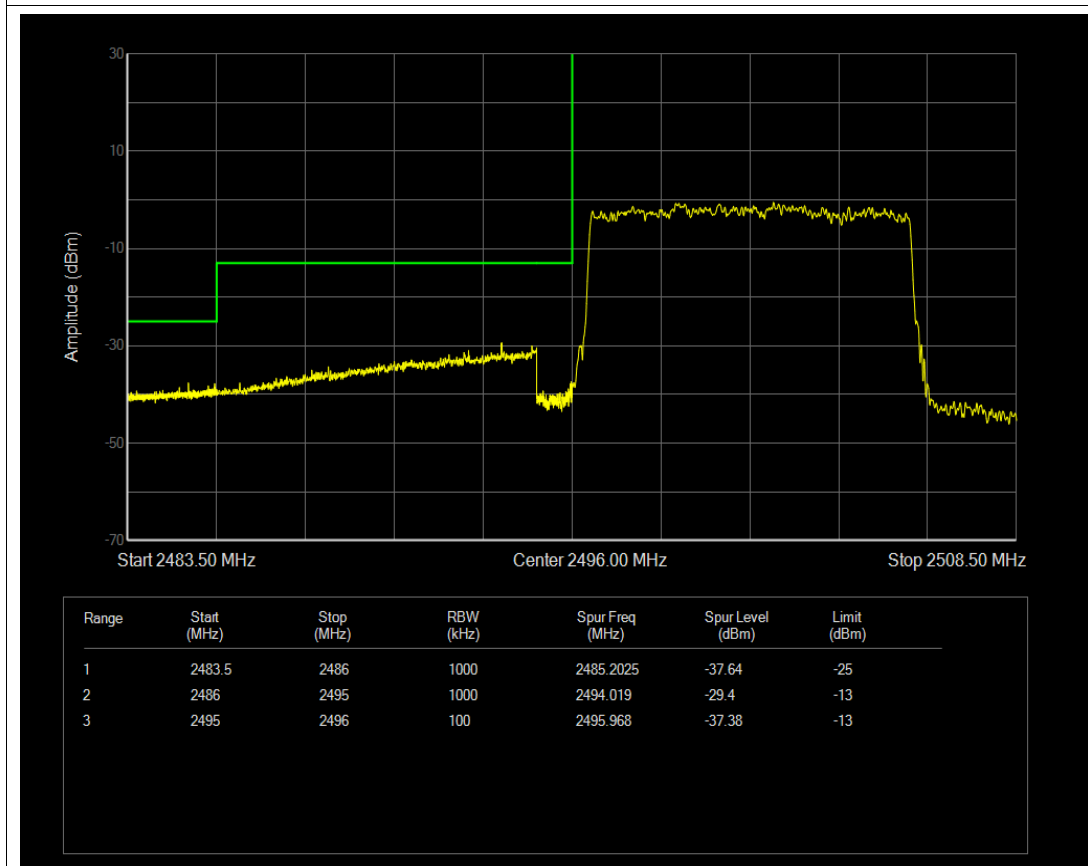
Band41 QPSK BW=5MHz Channel=41565 RB Size=25 Position=#0 NVNT



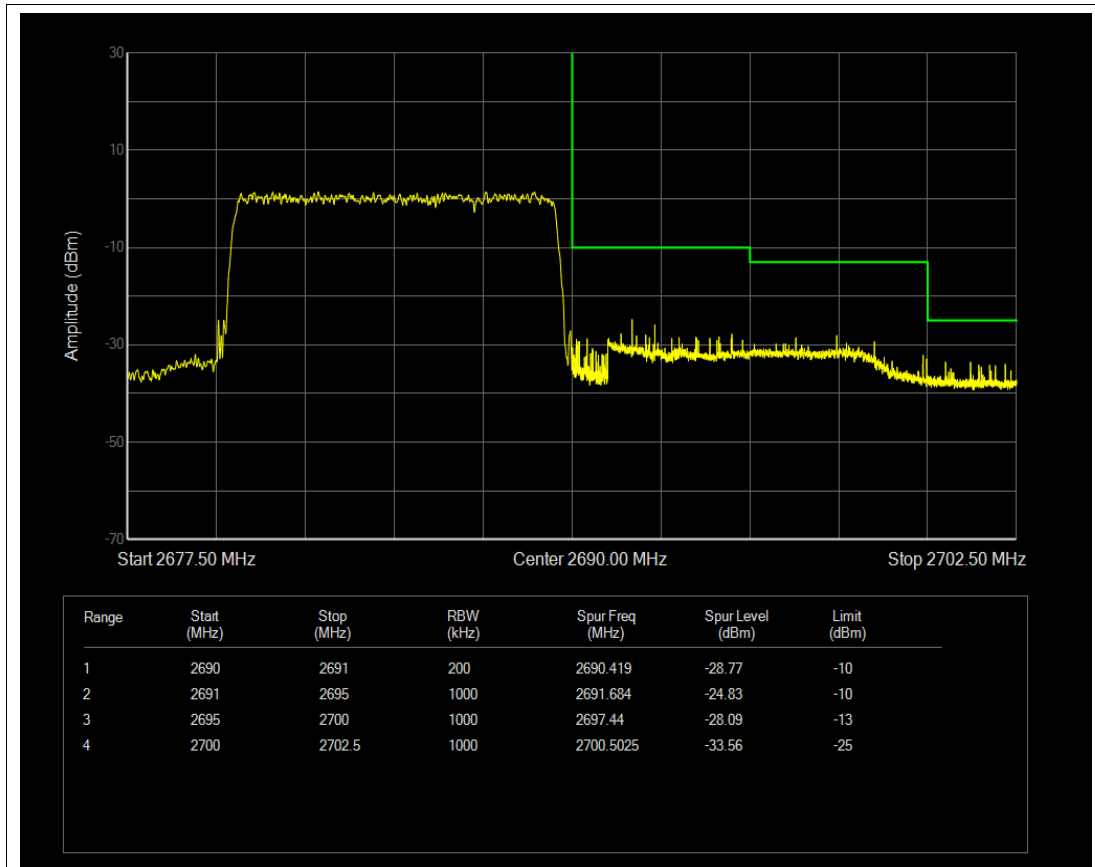
Band41 16QAM BW=5MHz Channel=41565 RB Size=25 Position=#0 NVNT



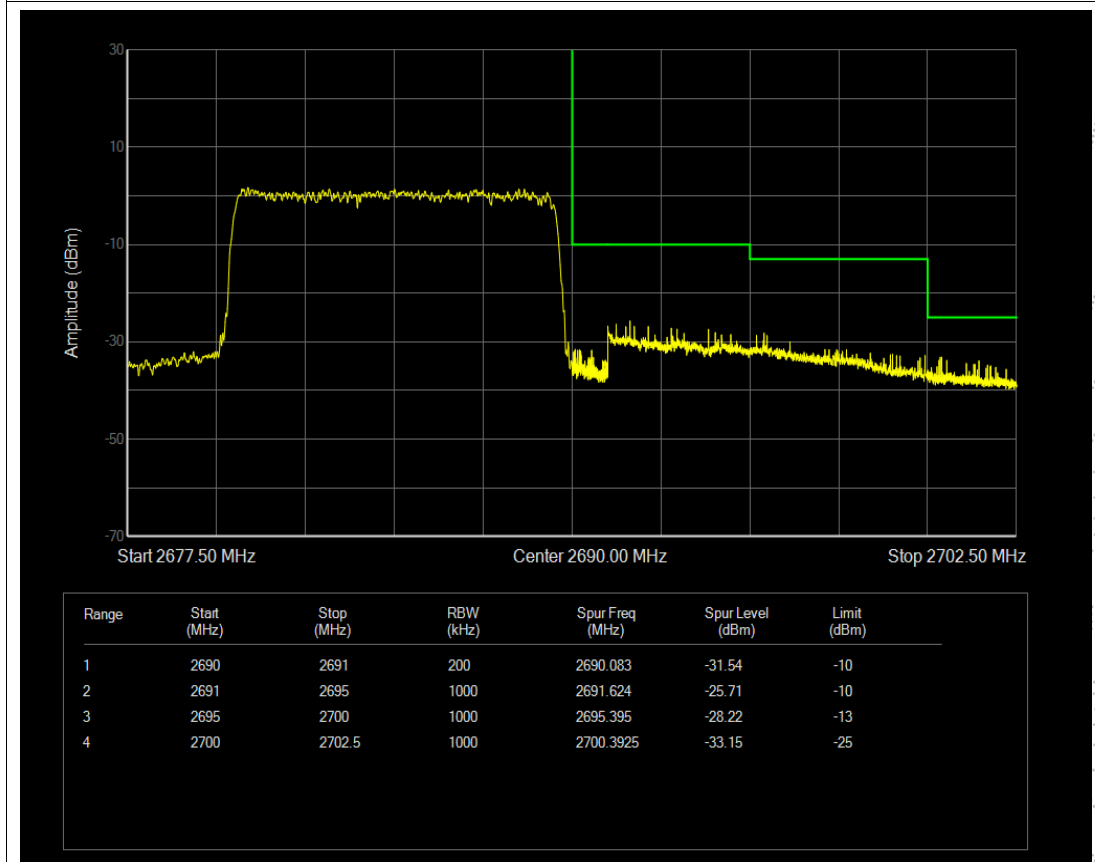
Band41 QPSK BW=10MHz Channel=39700 RB Size=50 Position=#0 NVNT



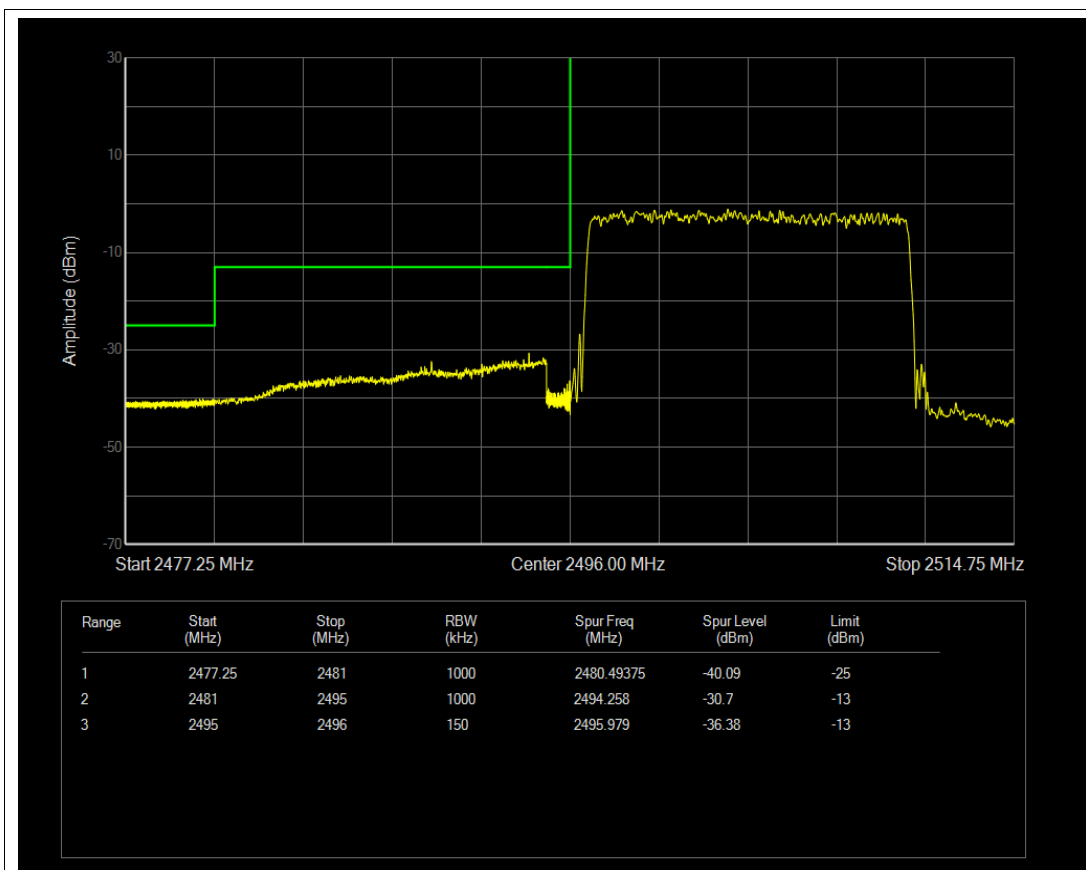
Band41 16QAM BW=10MHz Channel=39700 RB Size=50 Position=#0 NVNT



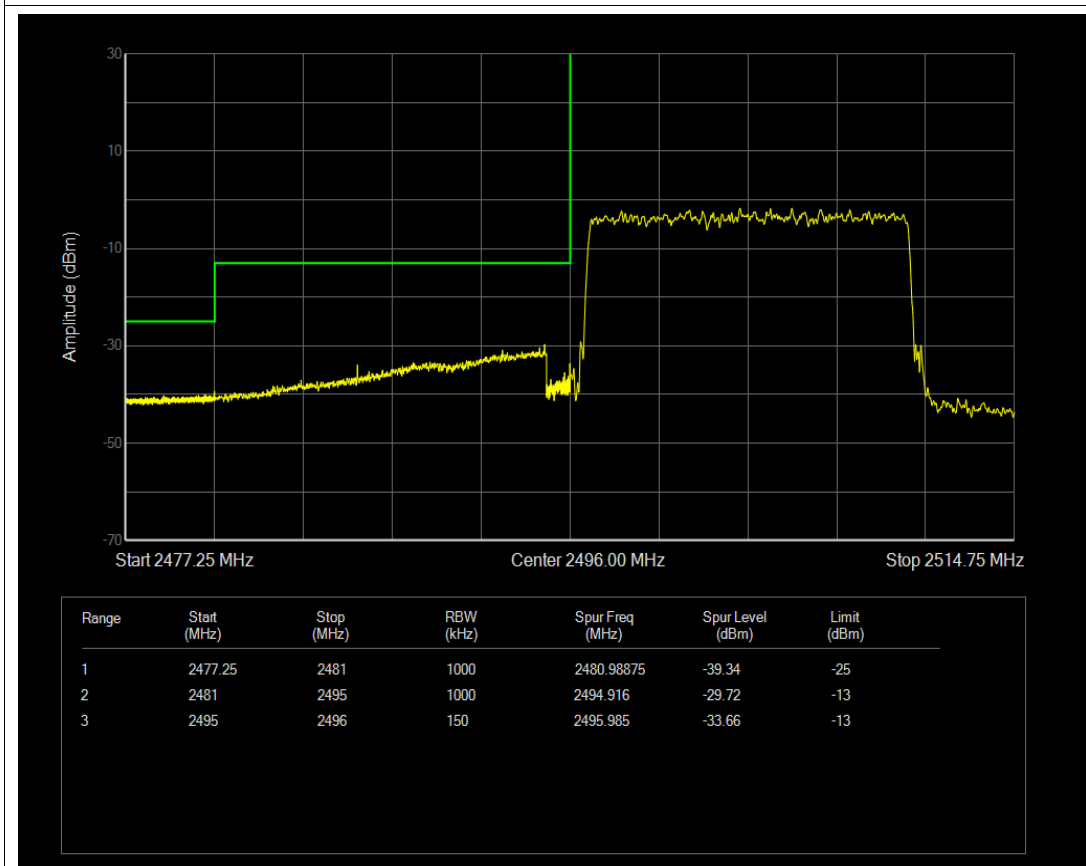
Band41 QPSK BW=10MHz Channel=41540 RB Size=50 Position=#0 NVNT



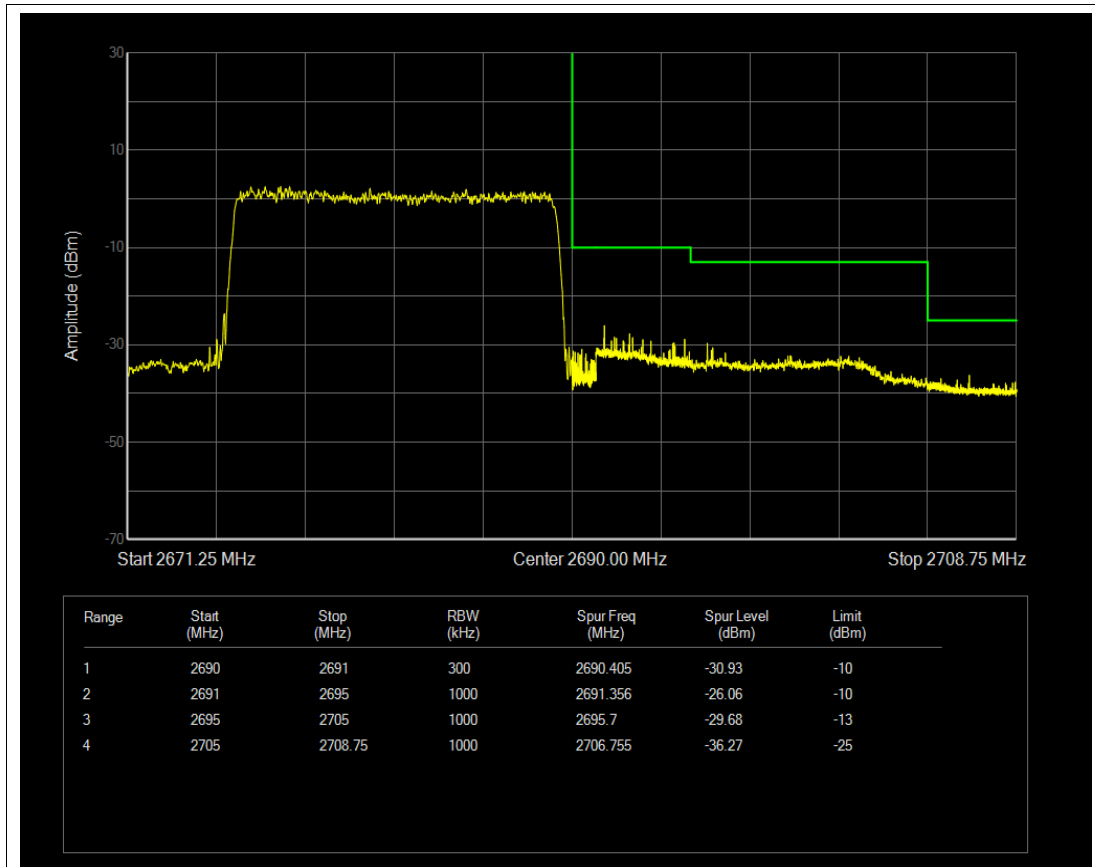
Band41 16QAM BW=10MHz Channel=41540 RB Size=50 Position=#0 NVNT



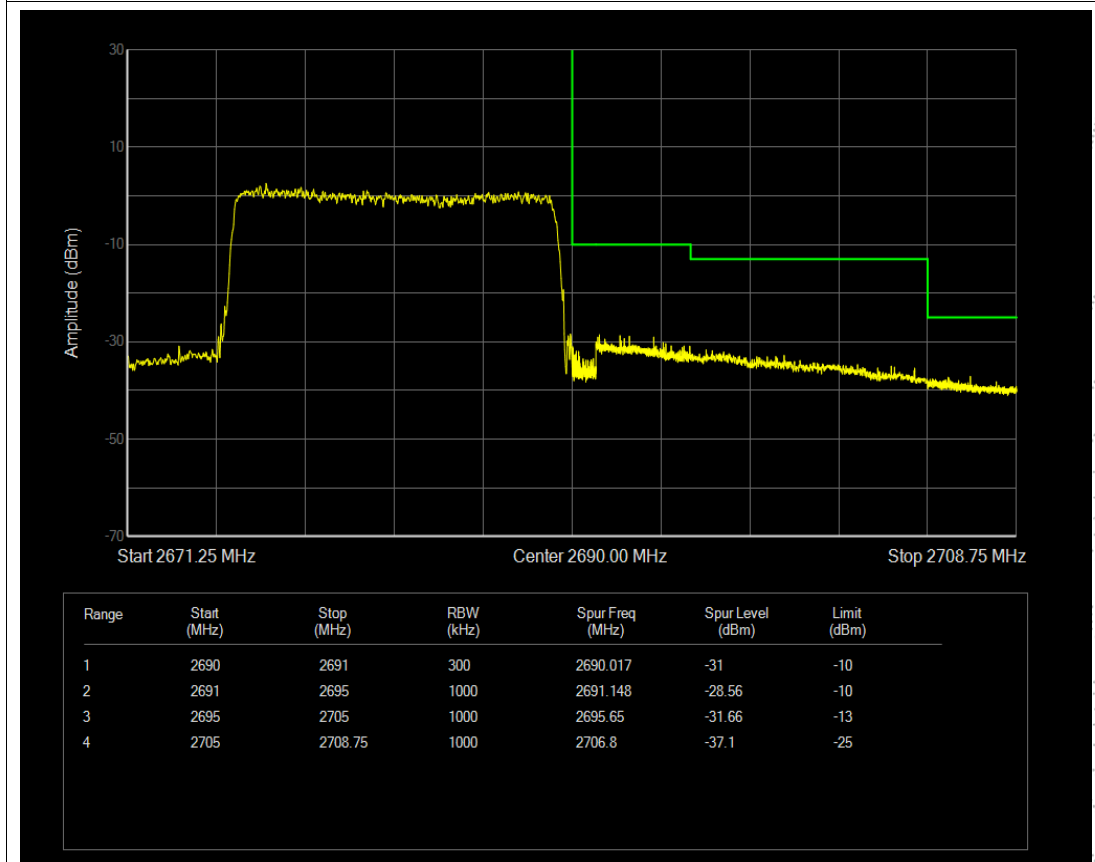
Band41 QPSK BW=15MHz Channel=39725 RB Size=75 Position=#0 NVNT



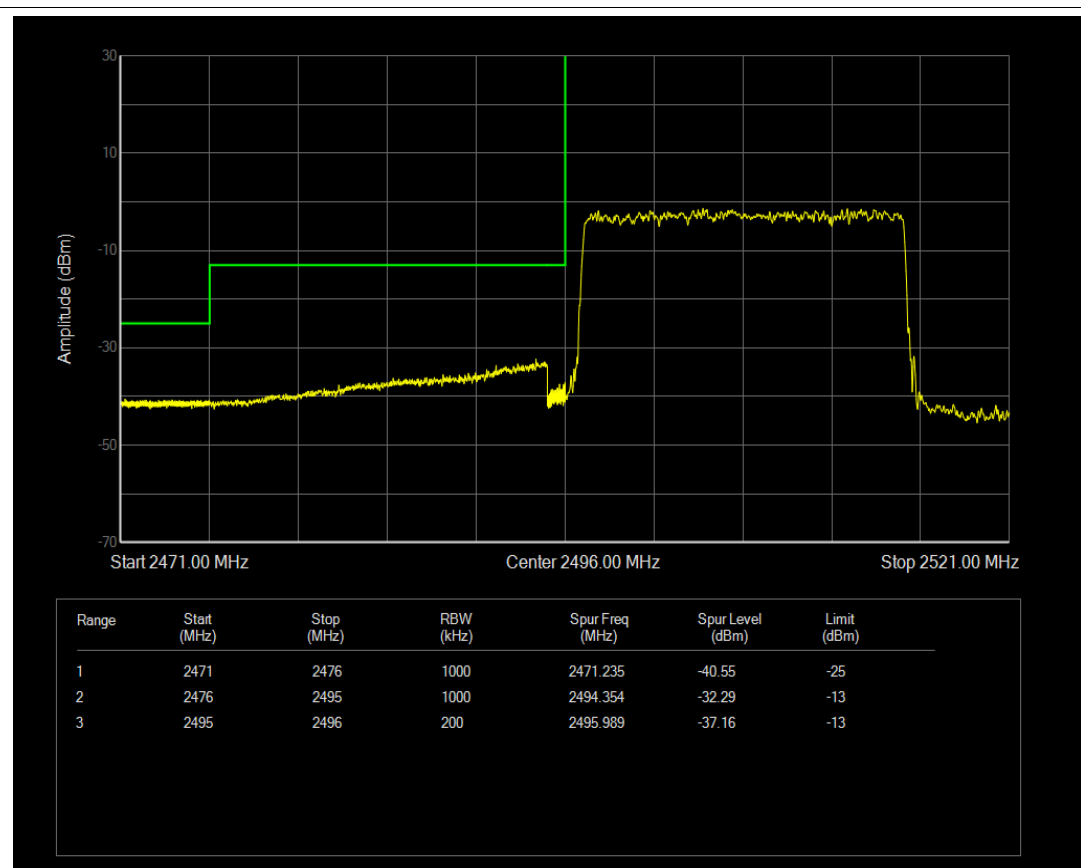
Band41 16QAM BW=15MHz Channel=39725 RB Size=75 Position=#0 NVNT



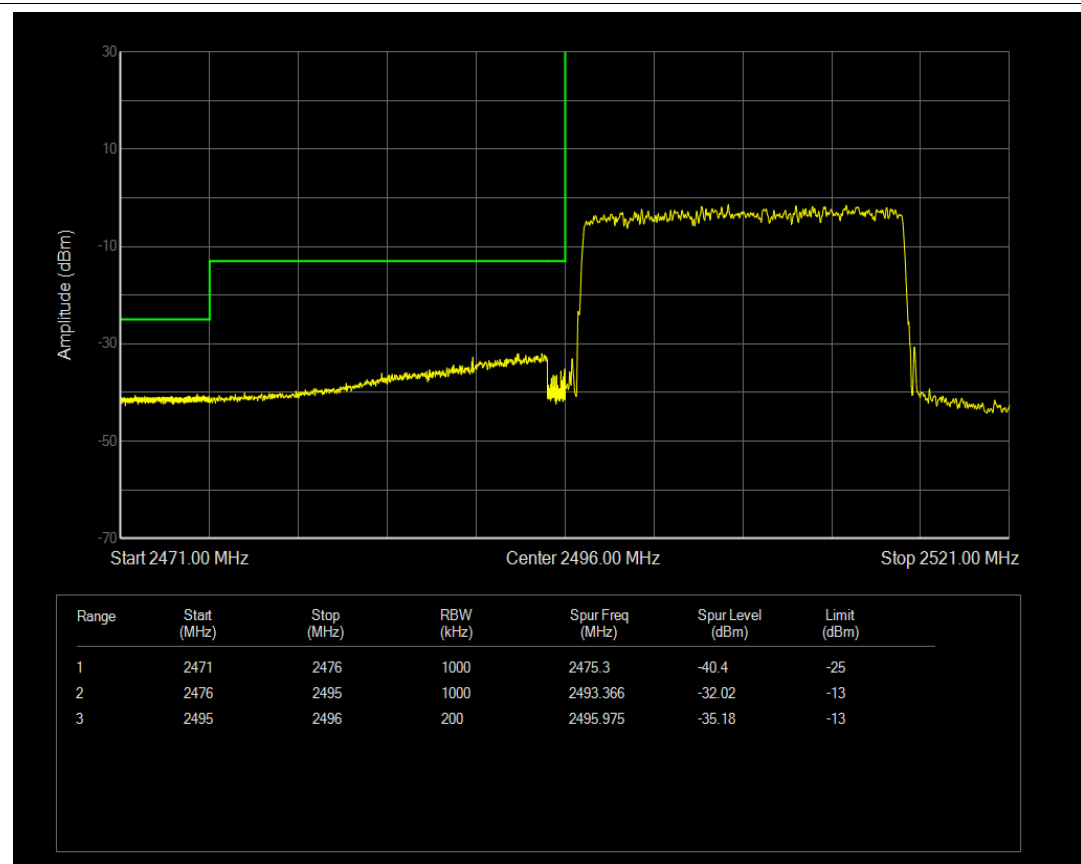
Band41 QPSK BW=15MHz Channel=41515 RB Size=75 Position=#0 NVNT



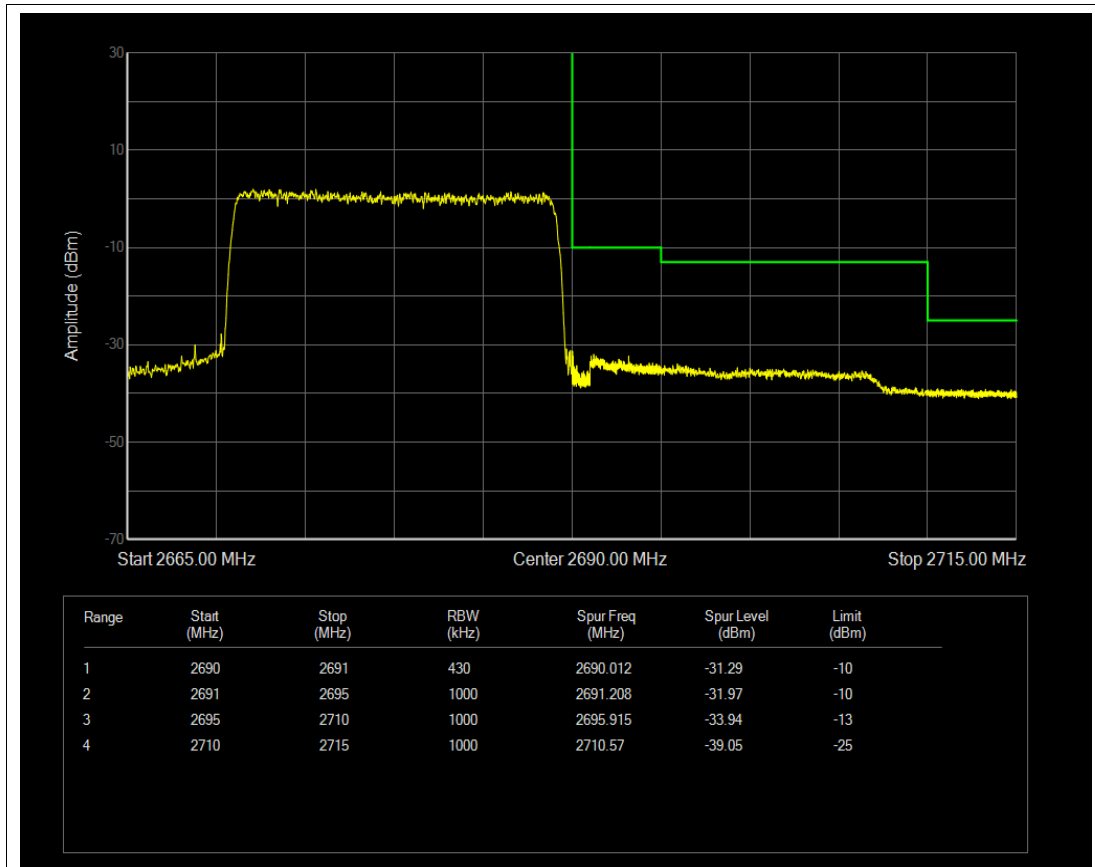
Band41 16QAM BW=15MHz Channel=41515 RB Size=75 Position=#0 NVNT



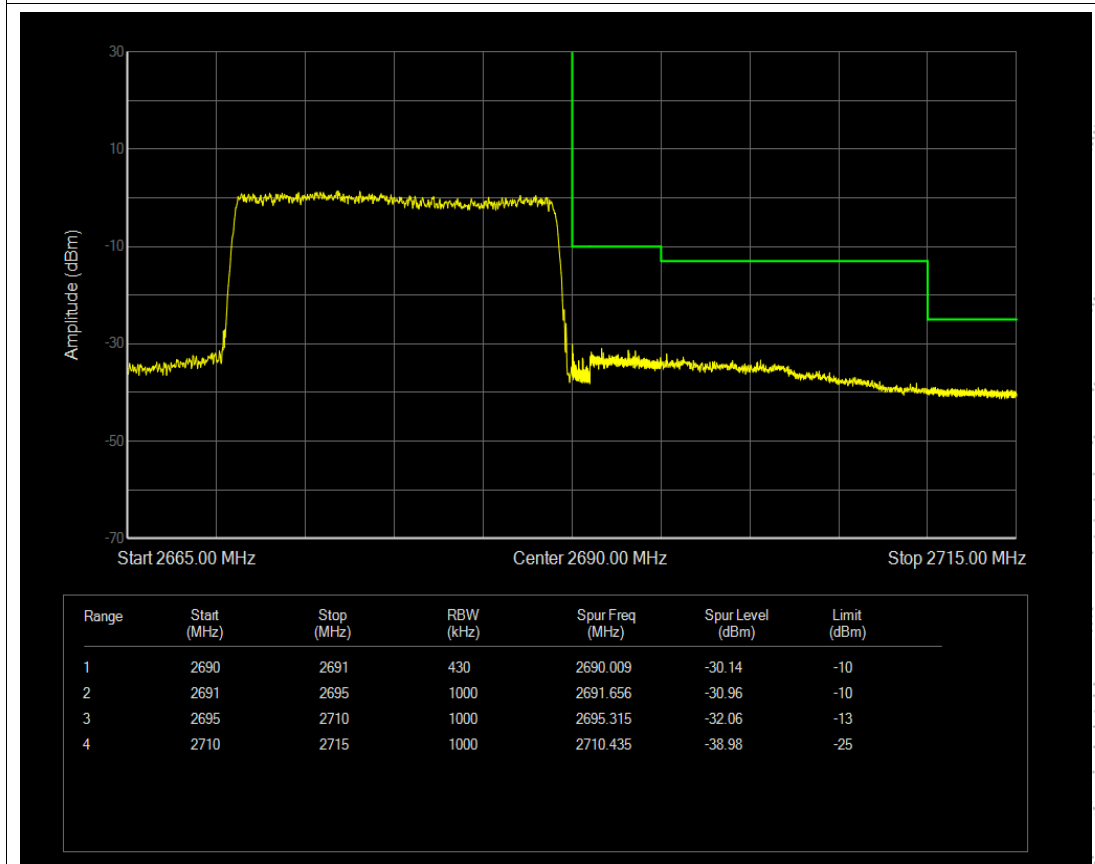
Band41 QPSK BW=20MHz Channel=39750 RB Size=100 Position=#0 NVNT



Band41 16QAM BW=20MHz Channel=39750 RB Size=100 Position=#0 NVNT



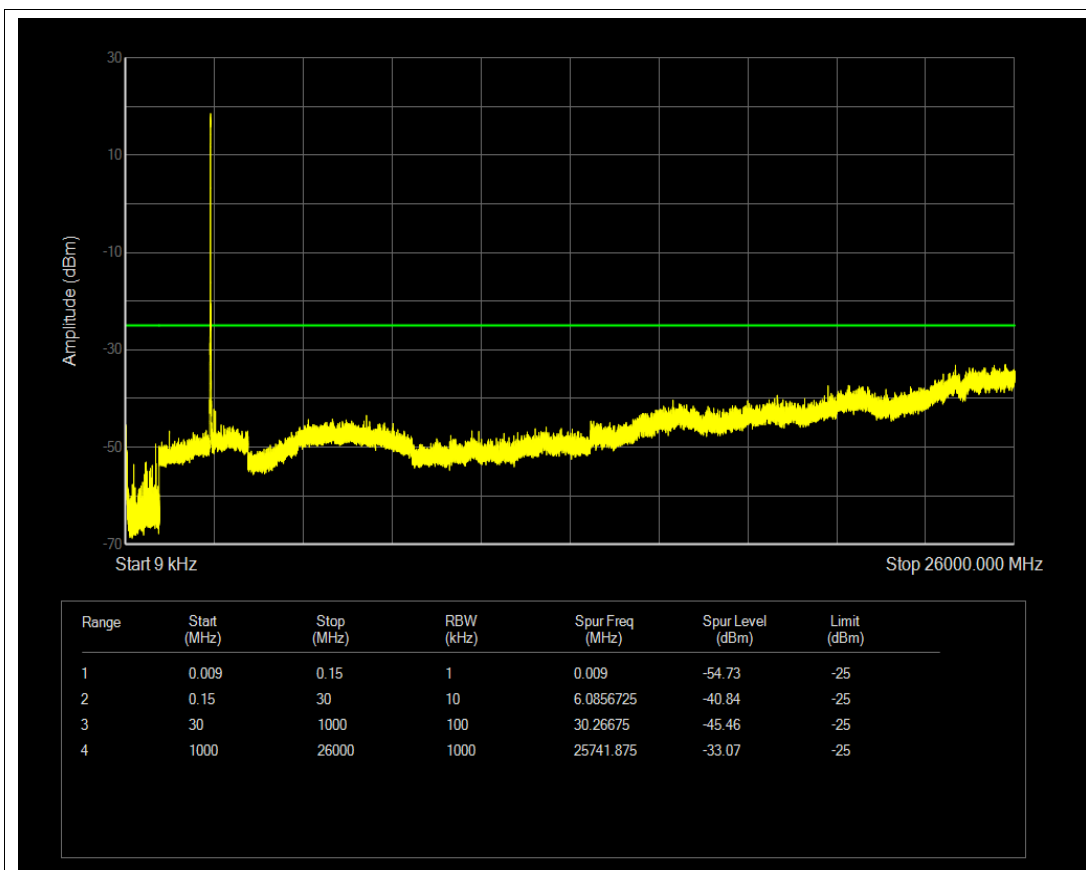
Band41 QPSK BW=20MHz Channel=41490 RB Size=100 Position=#0 NVNT



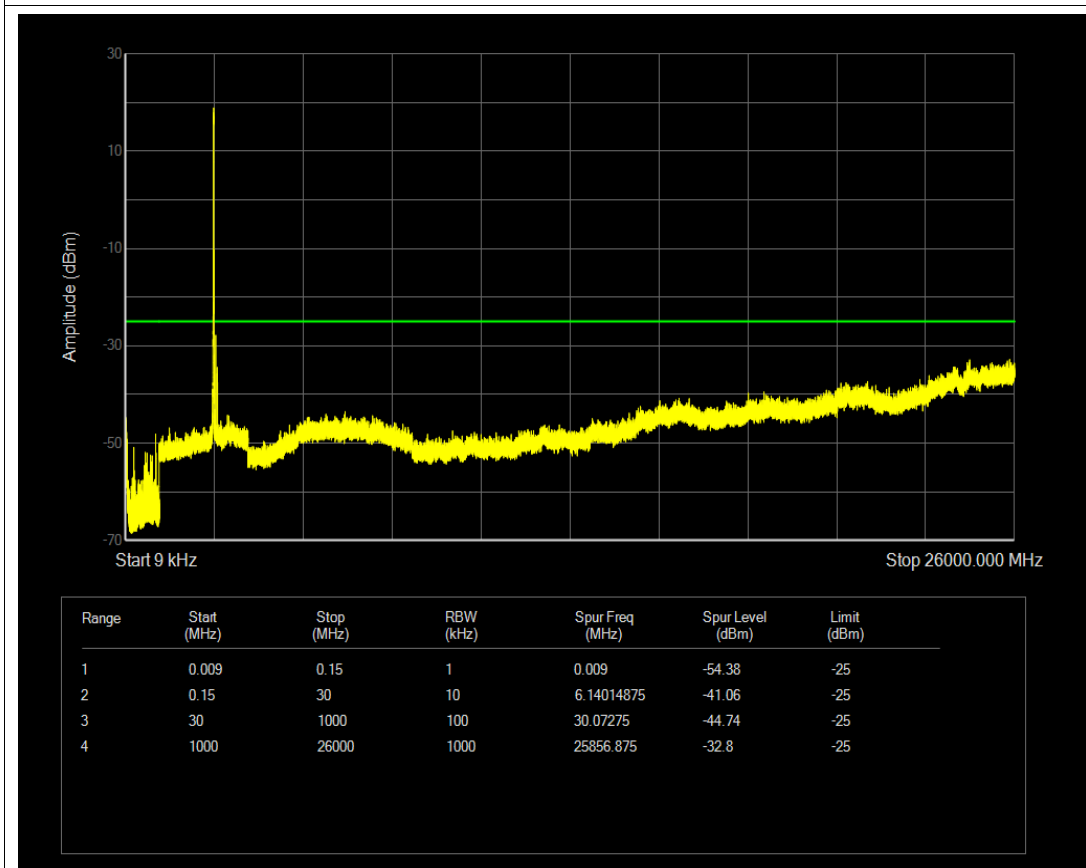
Band41 16QAM BW=20MHz Channel=41490 RB Size=100 Position=#0 NVNT

## Appendix 6. Out-of-band emissions

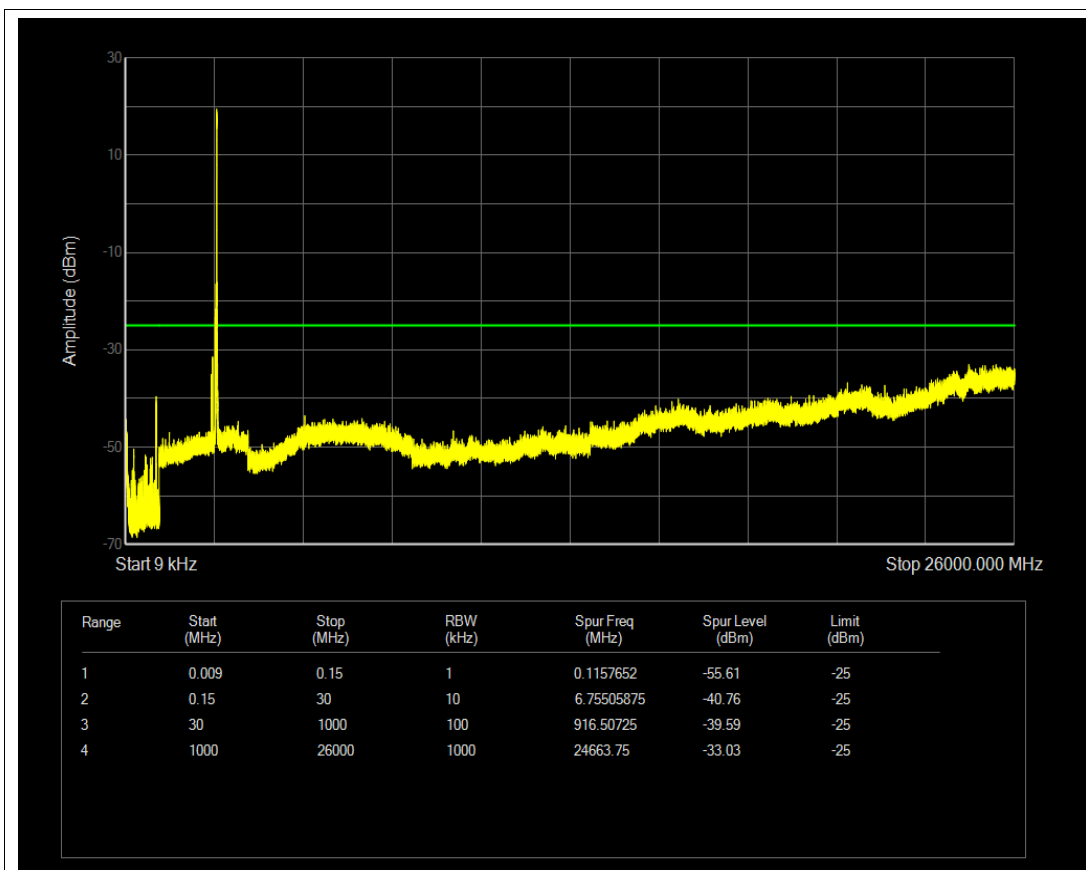
| Band   | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Size | RB<br>Position | Modulation | Spur Freq<br>(MHz) | Spur<br>Level<br>(dBm) | Limit<br>(dBm) | Verdict |
|--------|--------------------|---------------|------------|----------------|------------|--------------------|------------------------|----------------|---------|
| Band41 | 5                  | 39675         | 25         | #0             | QPSK       | 25011.88           | -32.48                 | -25            | PASS    |
| Band41 | 5                  | 39675         | 25         | #0             | 16QAM      | 25773.75           | -32.39                 | -25            | PASS    |
| Band41 | 5                  | 40620         | 25         | #0             | QPSK       | 25380.63           | -32.90                 | -25            | PASS    |
| Band41 | 5                  | 40620         | 25         | #0             | 16QAM      | 25794.38           | -32.98                 | -25            | PASS    |
| Band41 | 5                  | 41565         | 25         | #0             | QPSK       | 25095.00           | -32.86                 | -25            | PASS    |
| Band41 | 5                  | 41565         | 25         | #0             | 16QAM      | 25061.25           | -32.51                 | -25            | PASS    |
| Band41 | 10                 | 39700         | 50         | #0             | QPSK       | 25523.75           | -33.29                 | -25            | PASS    |
| Band41 | 10                 | 39700         | 50         | #0             | 16QAM      | 25741.88           | -33.07                 | -25            | PASS    |
| Band41 | 10                 | 40620         | 50         | #0             | QPSK       | 25161.25           | -32.85                 | -25            | PASS    |
| Band41 | 10                 | 40620         | 50         | #0             | 16QAM      | 25856.88           | -32.80                 | -25            | PASS    |
| Band41 | 10                 | 41540         | 50         | #0             | QPSK       | 25781.25           | -33.02                 | -25            | PASS    |
| Band41 | 10                 | 41540         | 50         | #0             | 16QAM      | 24663.75           | -33.03                 | -25            | PASS    |
| Band41 | 15                 | 39725         | 75         | #0             | QPSK       | 915.15             | -29.92                 | -25            | PASS    |
| Band41 | 15                 | 39725         | 75         | #0             | 16QAM      | 25989.38           | -33.03                 | -25            | PASS    |
| Band41 | 15                 | 40620         | 75         | #0             | QPSK       | 25780.63           | -32.53                 | -25            | PASS    |
| Band41 | 15                 | 40620         | 75         | #0             | 16QAM      | 25817.50           | -32.36                 | -25            | PASS    |
| Band41 | 15                 | 41515         | 75         | #0             | QPSK       | 25140.00           | -32.83                 | -25            | PASS    |
| Band41 | 15                 | 41515         | 75         | #0             | 16QAM      | 25403.13           | -32.63                 | -25            | PASS    |
| Band41 | 20                 | 39750         | 100        | #0             | QPSK       | 25990.63           | -31.86                 | -25            | PASS    |
| Band41 | 20                 | 39750         | 100        | #0             | 16QAM      | 25774.38           | -32.49                 | -25            | PASS    |
| Band41 | 20                 | 40620         | 100        | #0             | QPSK       | 25995.00           | -32.84                 | -25            | PASS    |
| Band41 | 20                 | 40620         | 100        | #0             | 16QAM      | 25081.88           | -32.03                 | -25            | PASS    |
| Band41 | 20                 | 41490         | 100        | #0             | QPSK       | 25097.50           | -32.75                 | -25            | PASS    |
| Band41 | 20                 | 41490         | 100        | #0             | 16QAM      | 25050.00           | -32.68                 | -25            | PASS    |



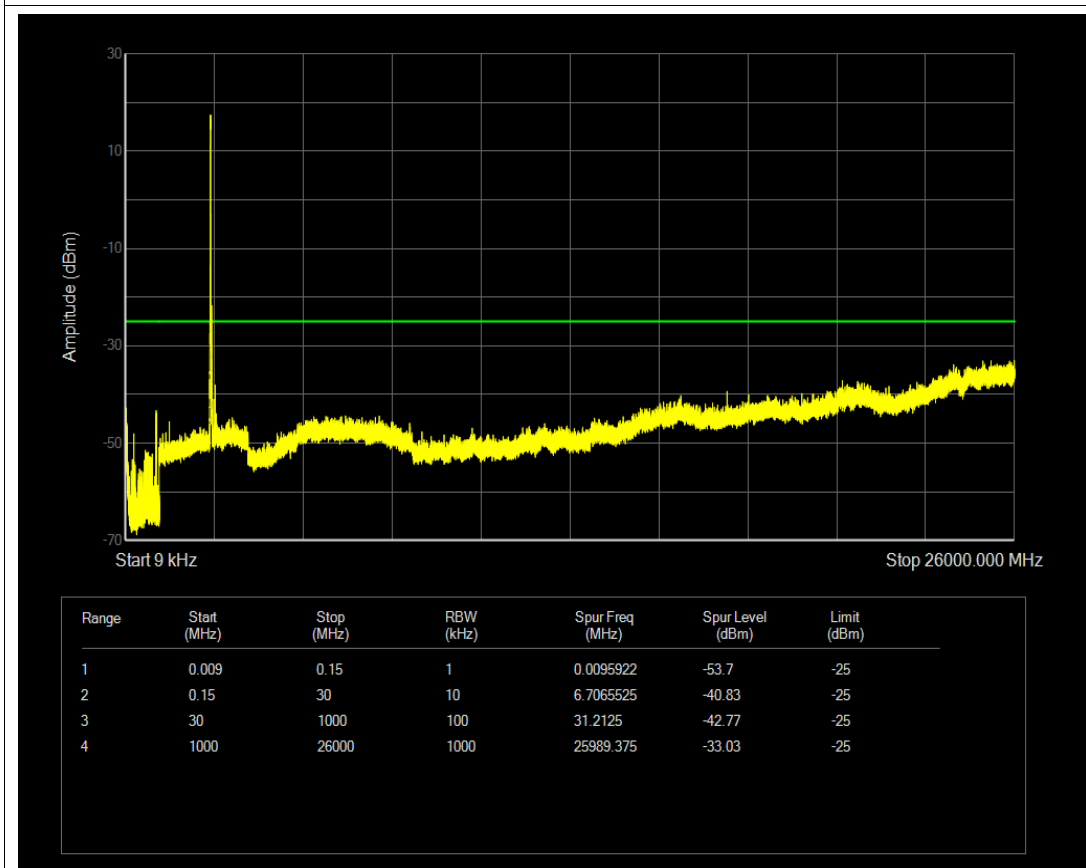
Band41 16QAM BW=10MHz Channel=39700 RB Size=50 Position=#0 NVNT



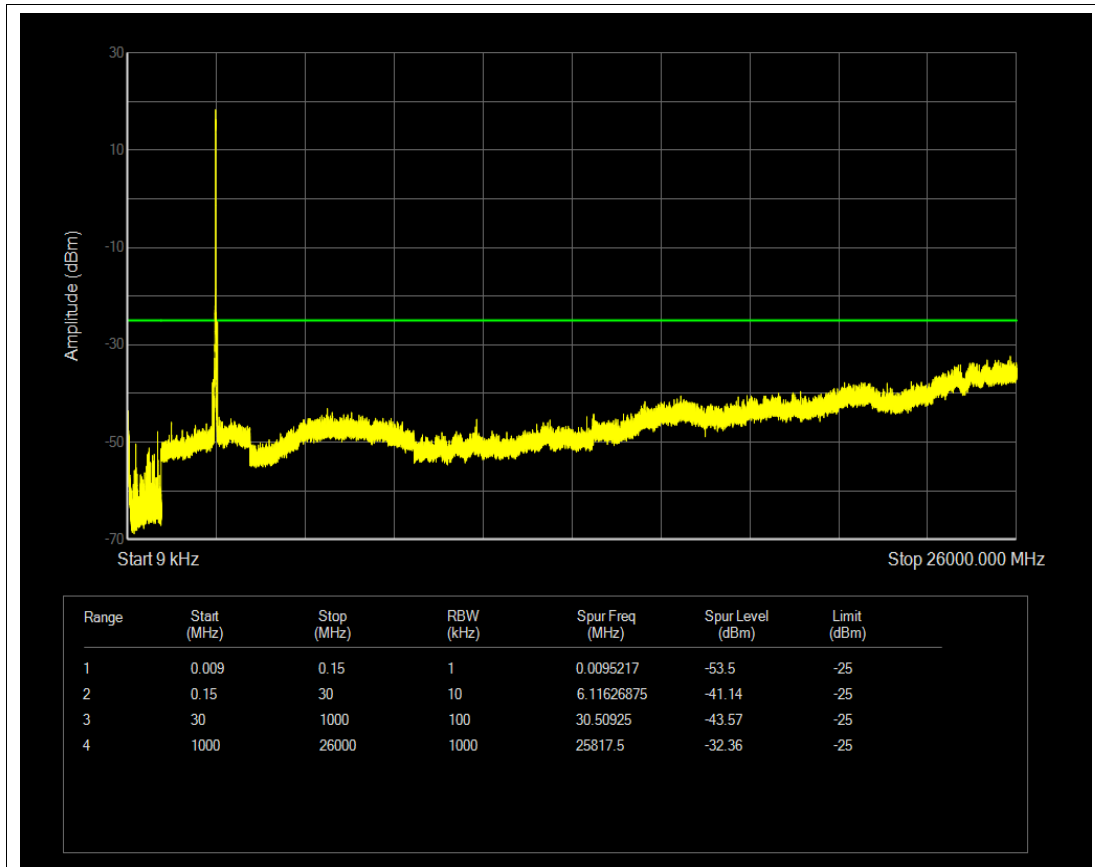
Band41 16QAM BW=10MHz Channel=40620 RB Size=50 Position=#0 NVNT



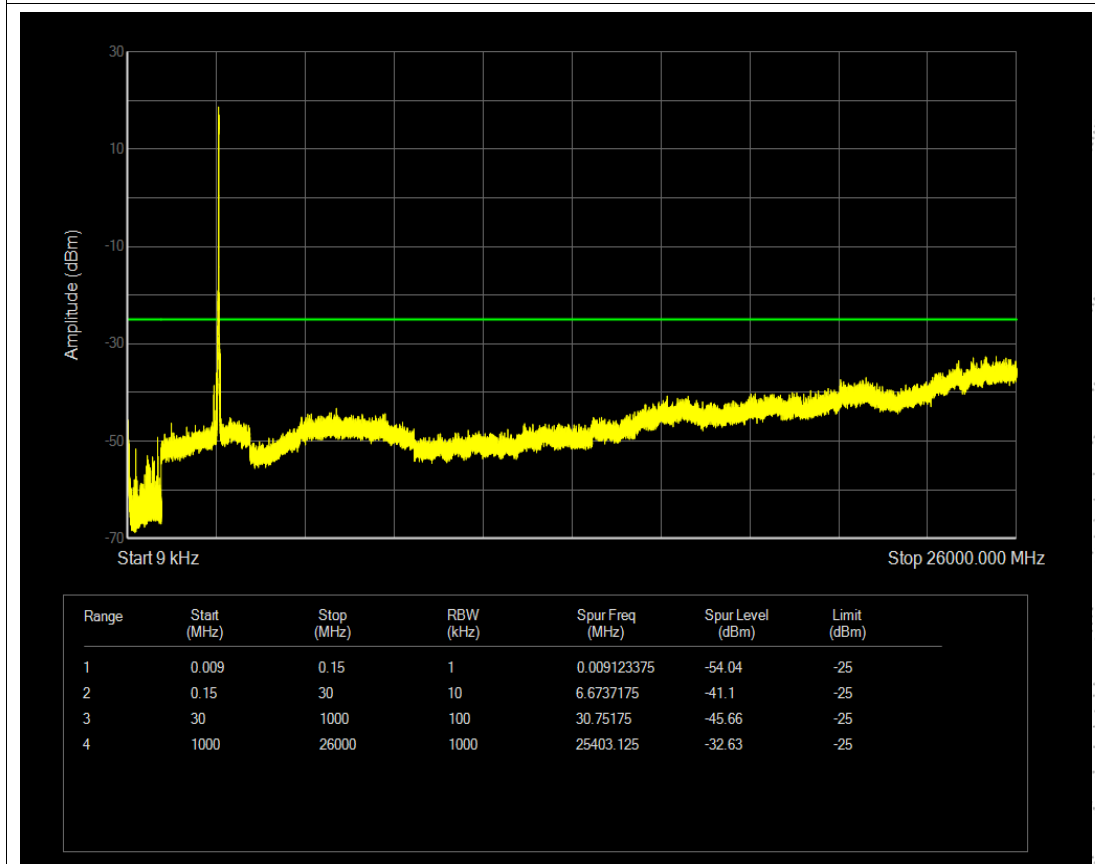
Band41 16QAM BW=10MHz Channel=41540 RB Size=50 Position=#0 NVNT



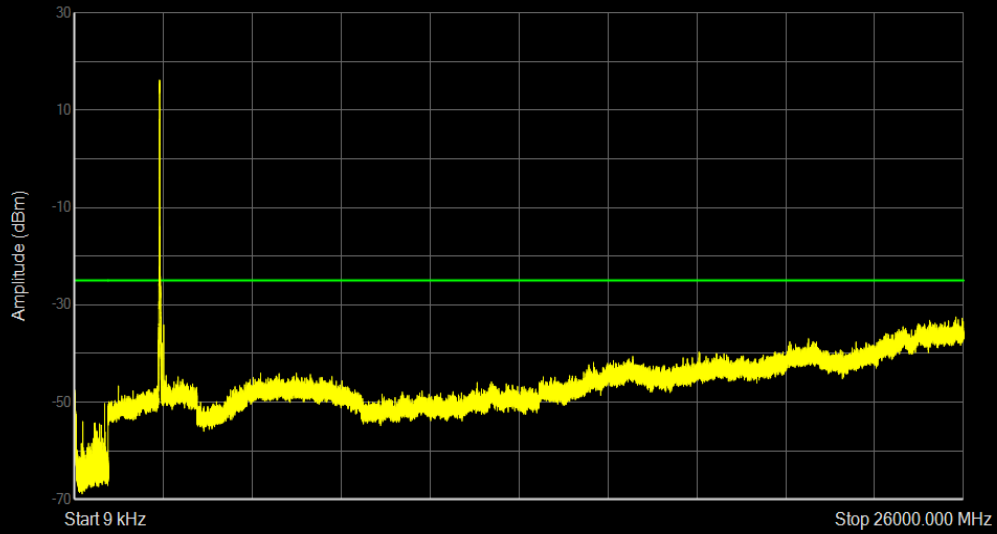
Band41 16QAM BW=15MHz Channel=39725 RB Size=75 Position=#0 NVNT



Band41 16QAM BW=15MHz Channel=40620 RB Size=75 Position=#0 NVNT

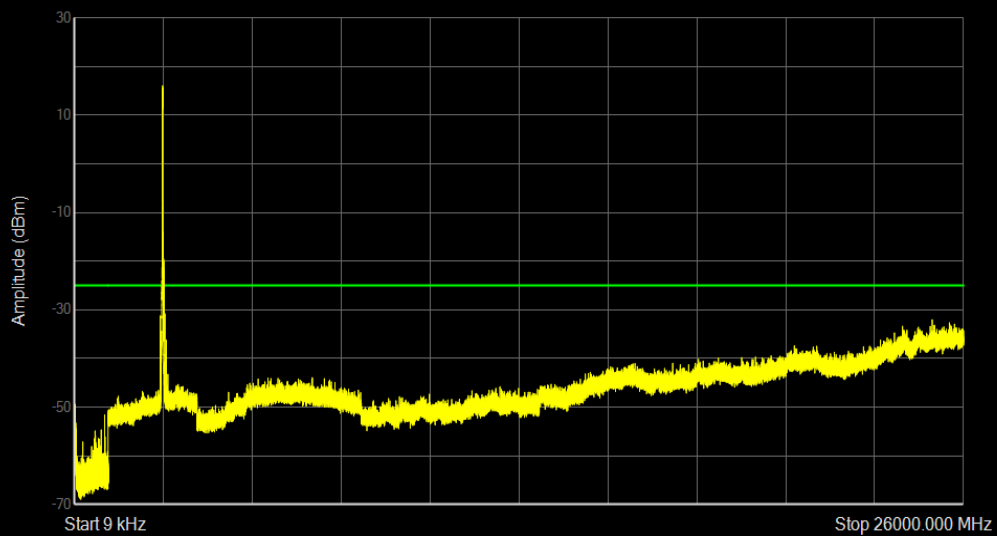


Band41 16QAM BW=15MHz Channel=41515 RB Size=75 Position=#0 NVNT



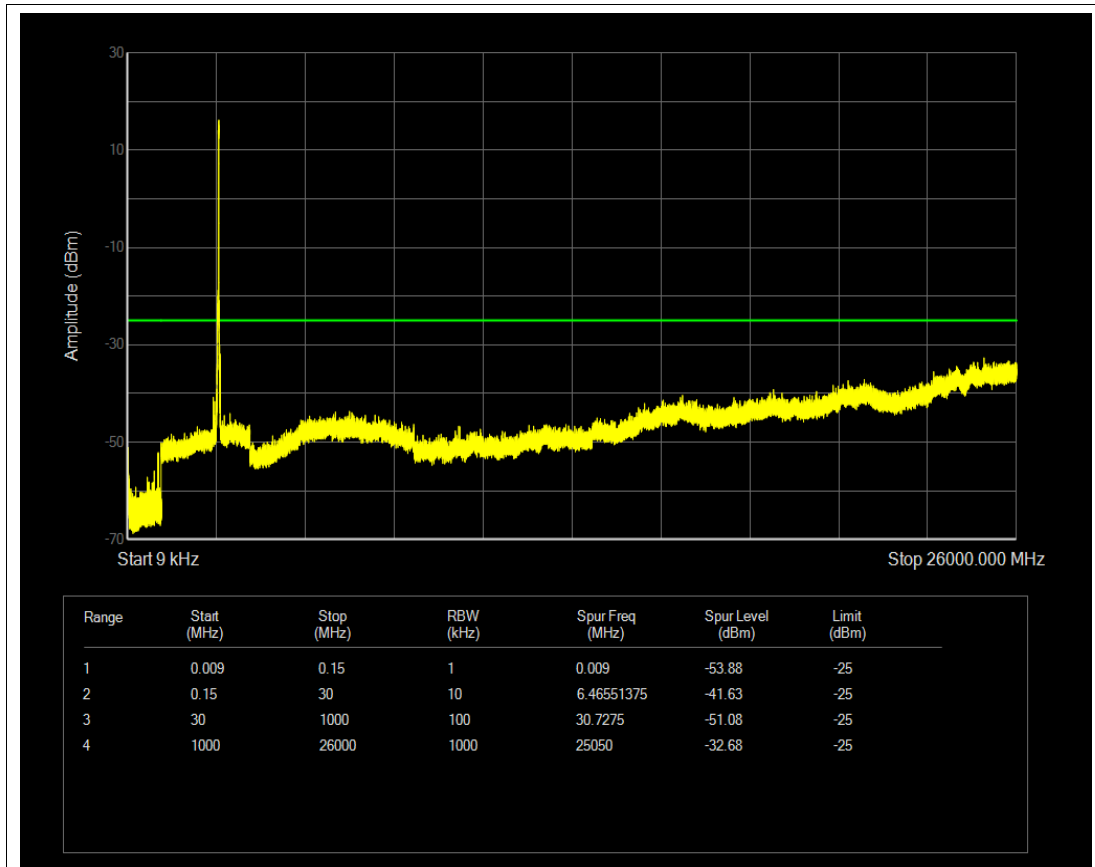
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.009024675     | -54.87           | -25         |
| 2     | 0.15        | 30         | 10        | 6.48417         | -42.2            | -25         |
| 3     | 30          | 1000       | 100       | 30.1455         | -47.57           | -25         |
| 4     | 1000        | 26000      | 1000      | 25774.375       | -32.49           | -25         |

Band41 16QAM BW=20MHz Channel=39750 RB Size=100 Position=#0 NVNT

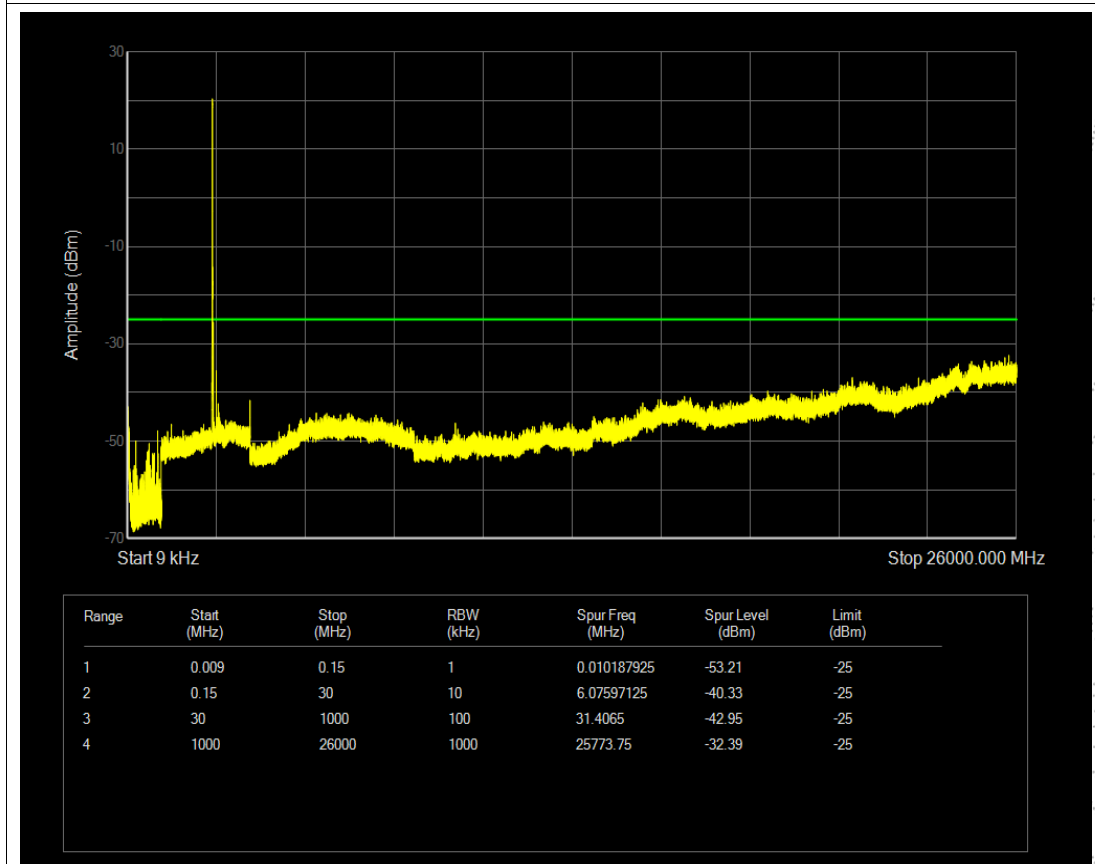


| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.009638025     | -54.61           | -25         |
| 2     | 0.15        | 30         | 10        | 6.1334325       | -41.67           | -25         |
| 3     | 30          | 1000       | 100       | 30.6305         | -49.4            | -25         |
| 4     | 1000        | 26000      | 1000      | 25081.875       | -32.03           | -25         |

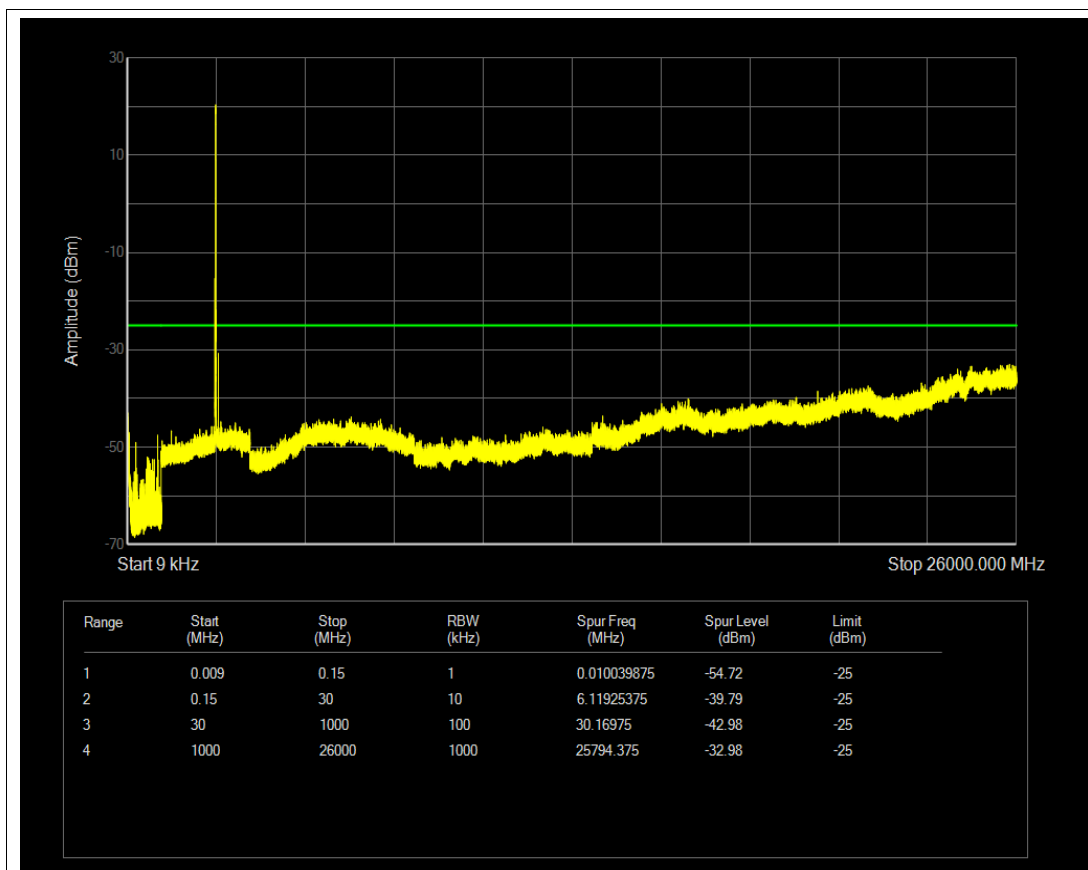
Band41 16QAM BW=20MHz Channel=40620 RB Size=100 Position=#0 NVNT



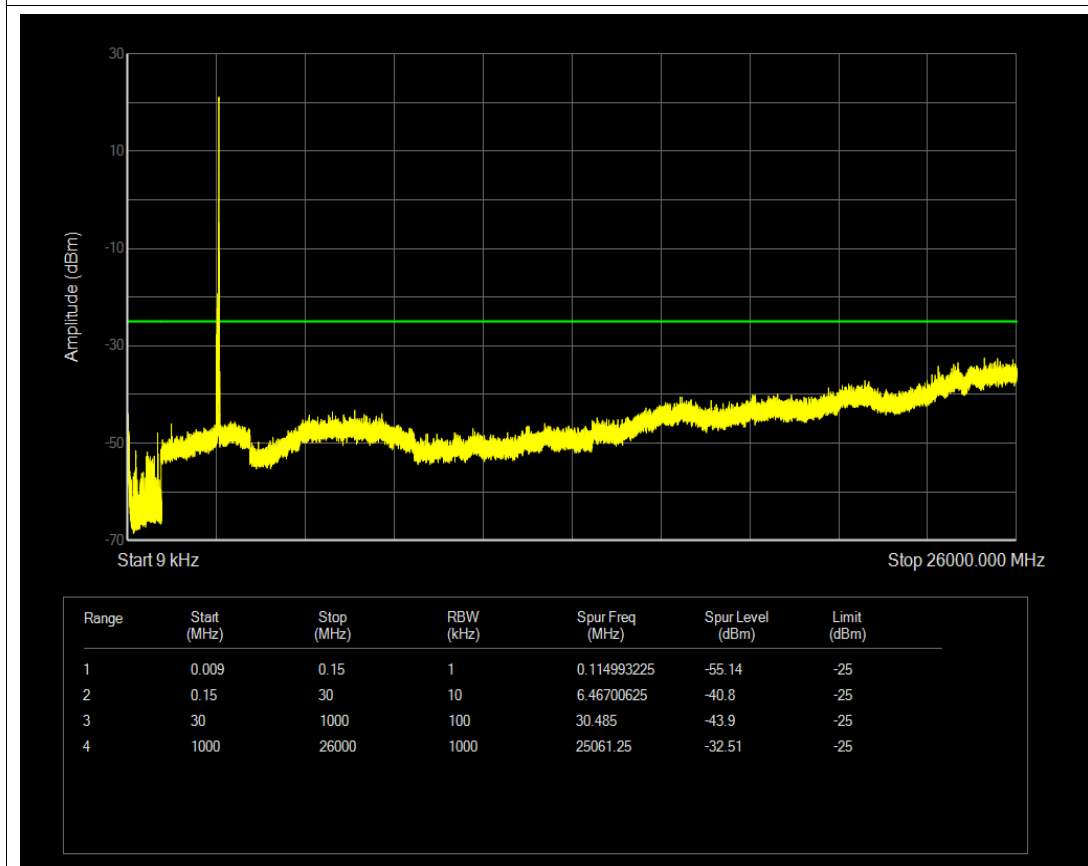
Band41 16QAM BW=20MHz Channel=41490 RB Size=100 Position=#0 NVNT



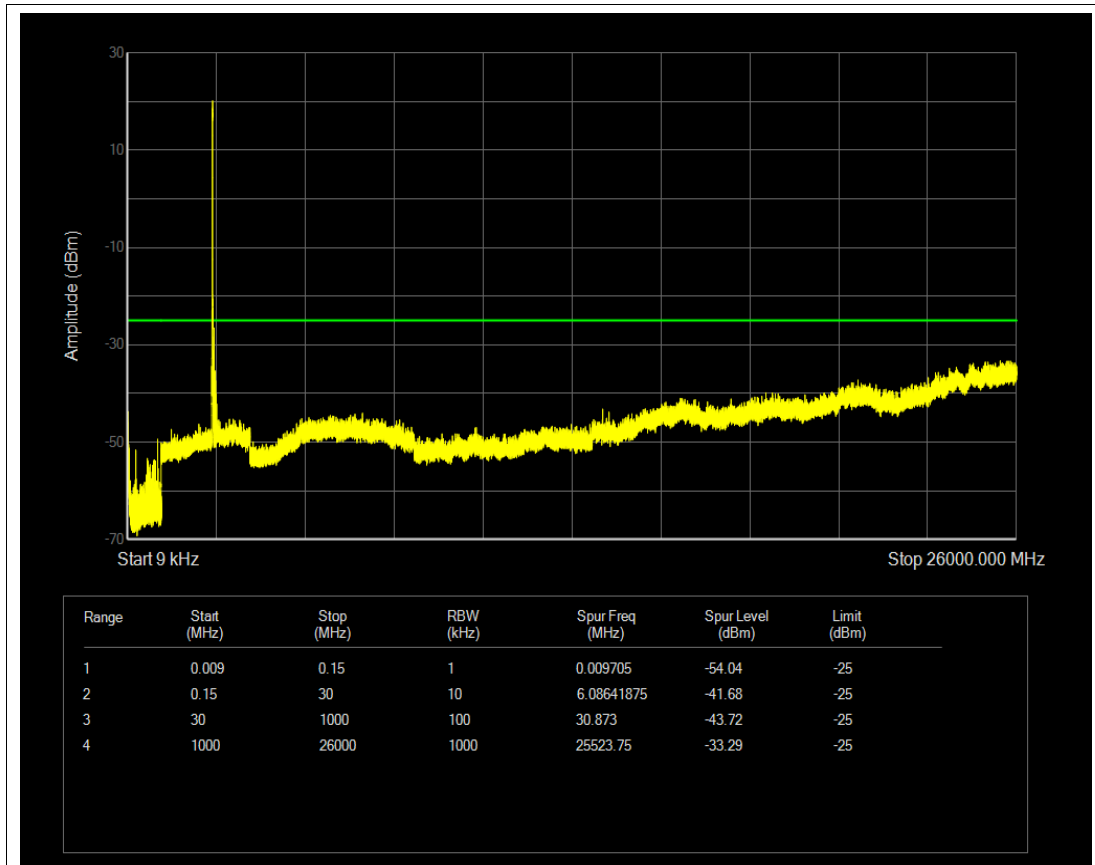
Band41 16QAM BW=5MHz Channel=39675 RB Size=25 Position=#0 NVNT



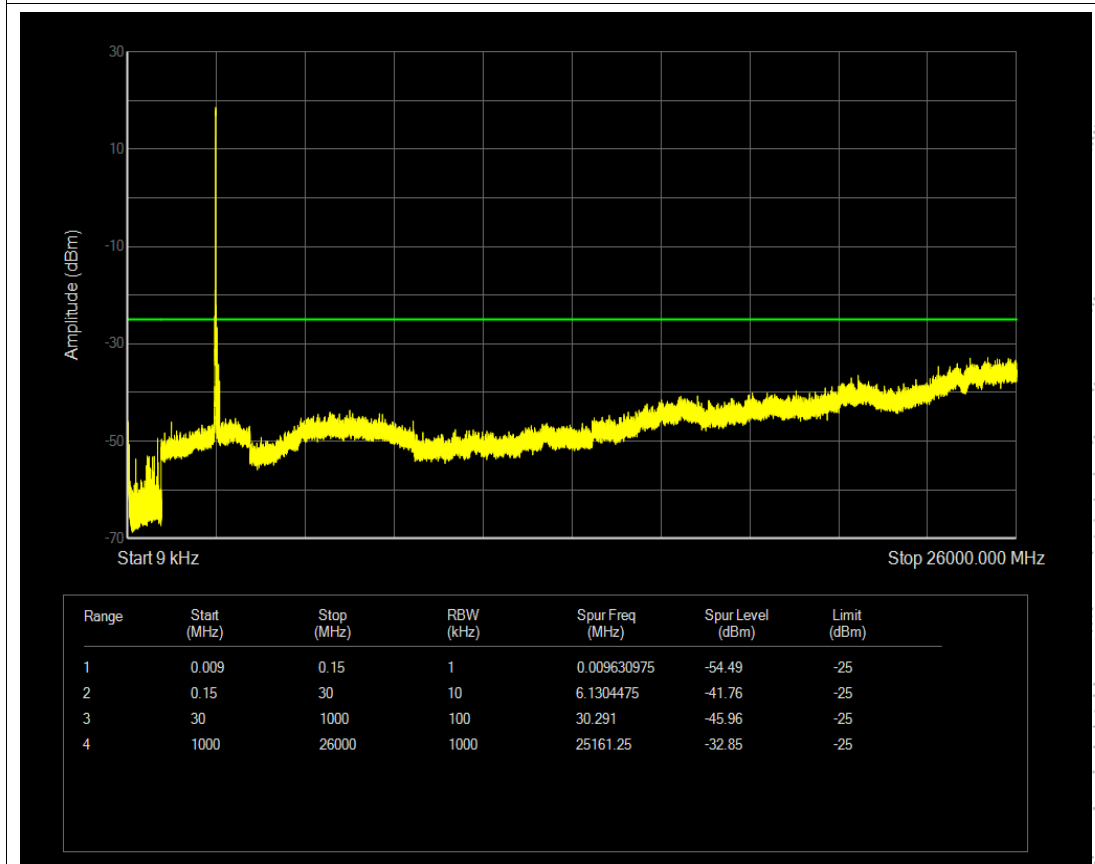
Band41 16QAM BW=5MHz Channel=40620 RB Size=25 Position=#0 NVNT



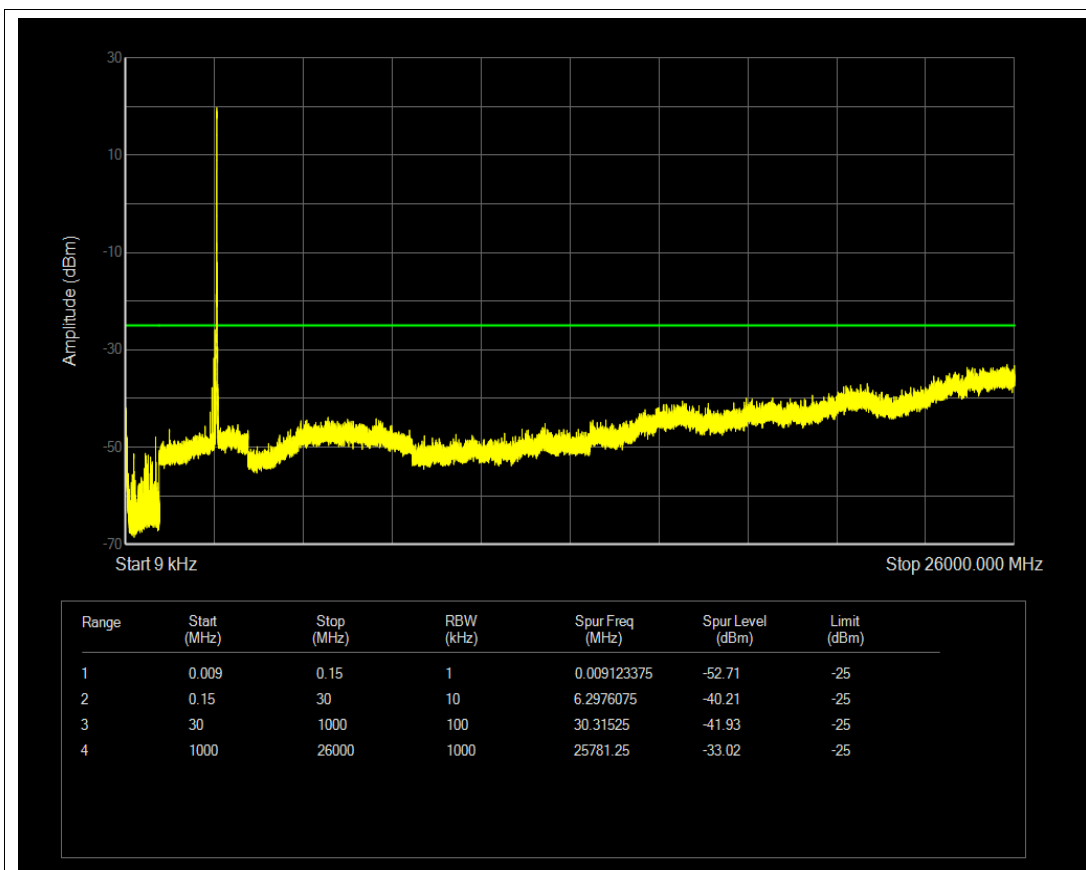
Band41 16QAM BW=5MHz Channel=41565 RB Size=25 Position=#0 NVNT



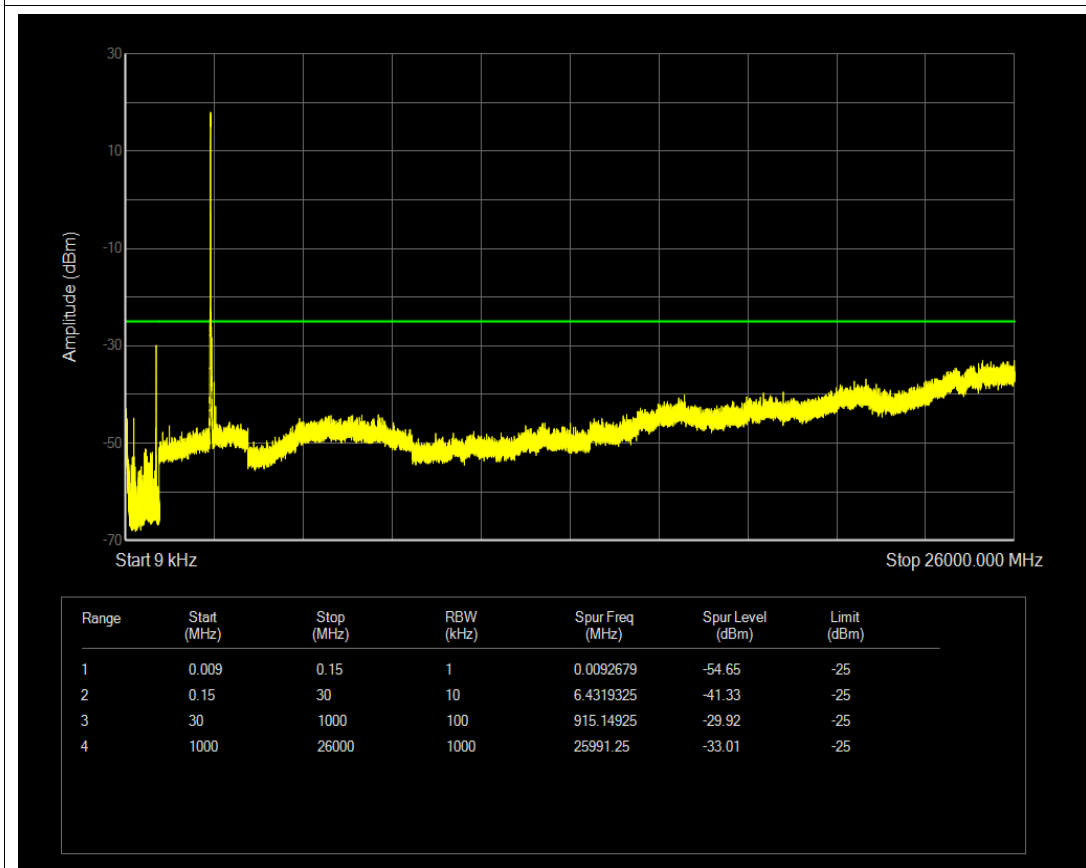
Band41 QPSK BW=10MHz Channel=39700 RB Size=50 Position=#0 NVNT



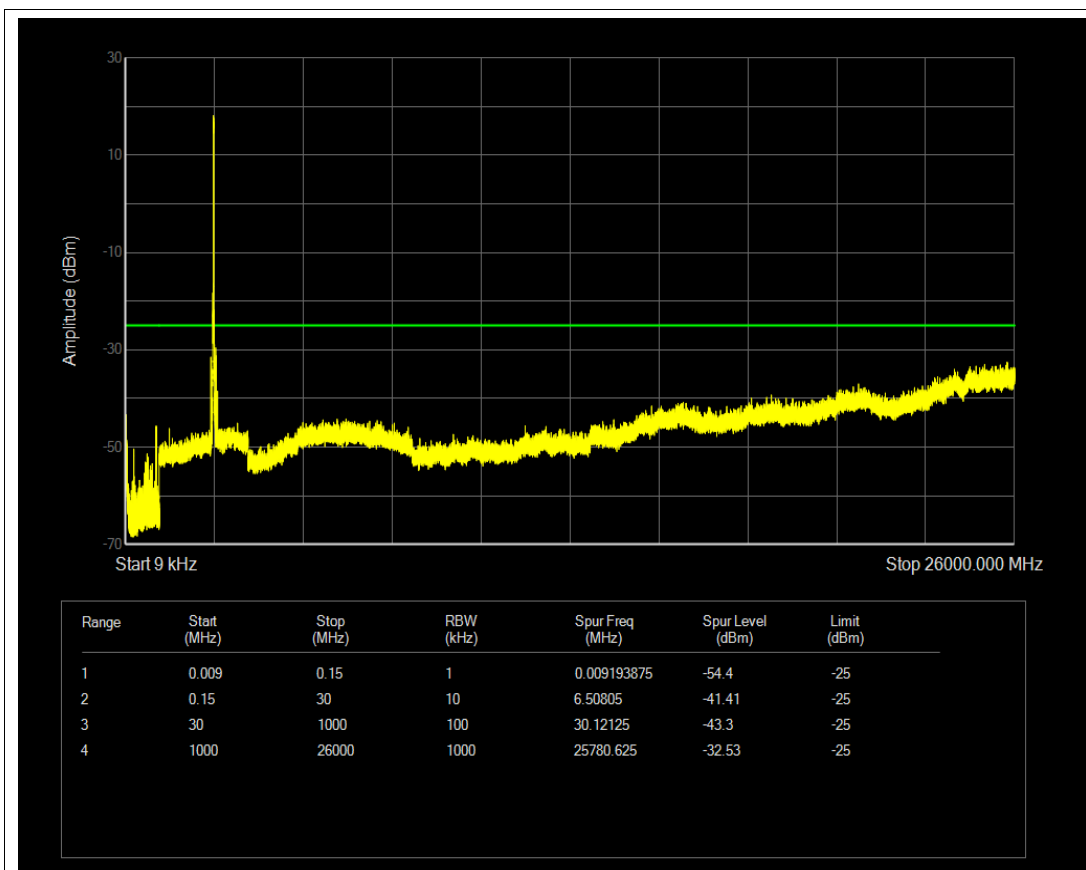
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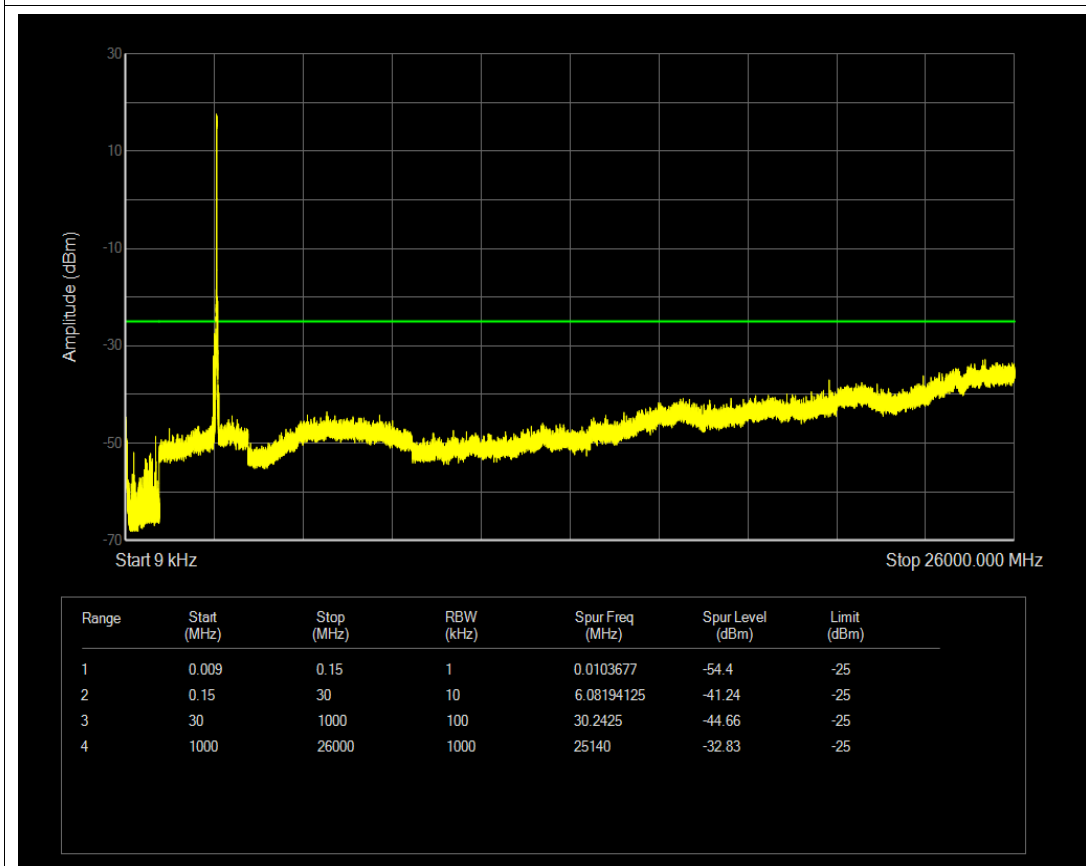
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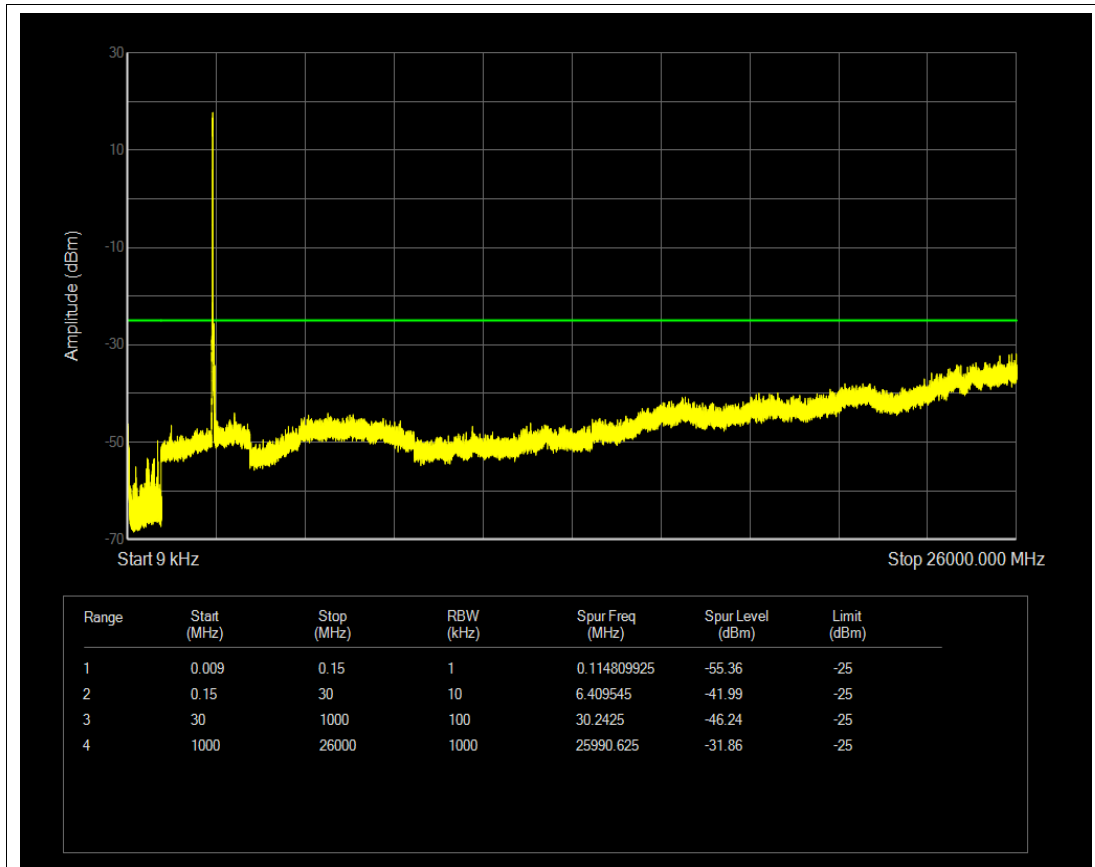
Band41 QPSK BW=15MHz Channel=39725 RB Size=75 Position=#0 NVNT



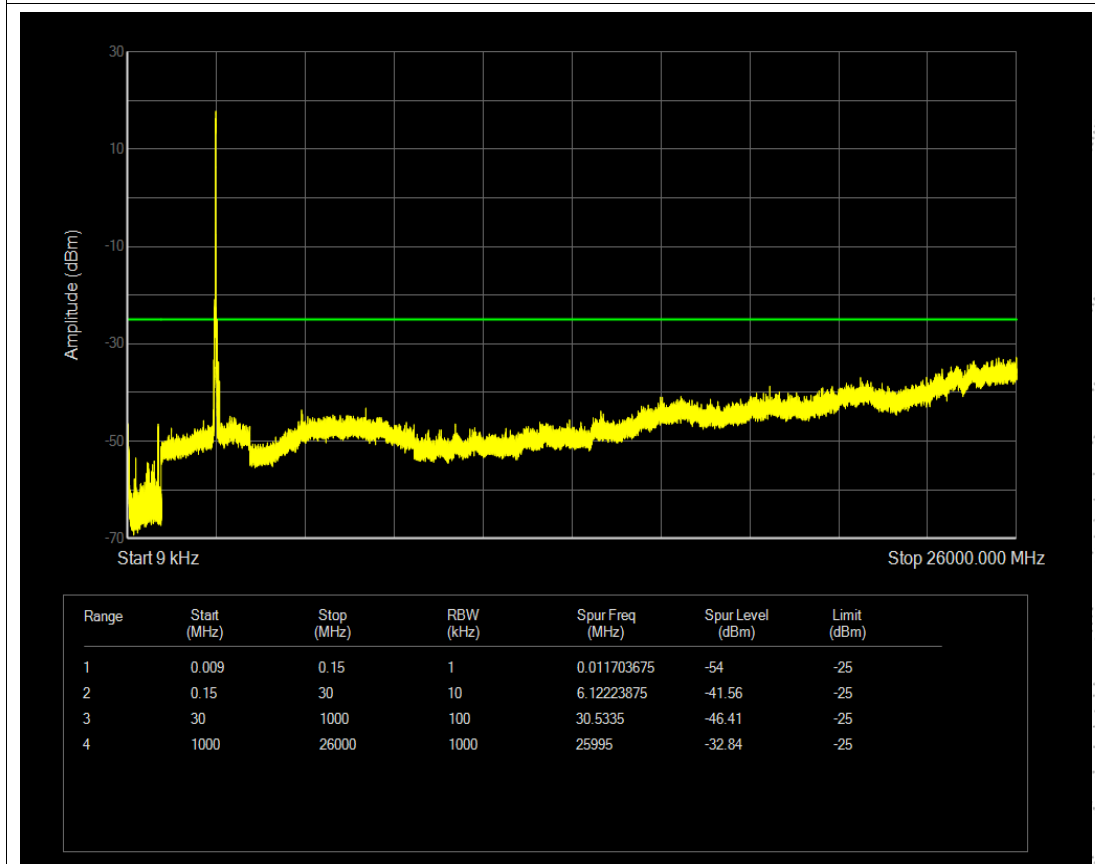
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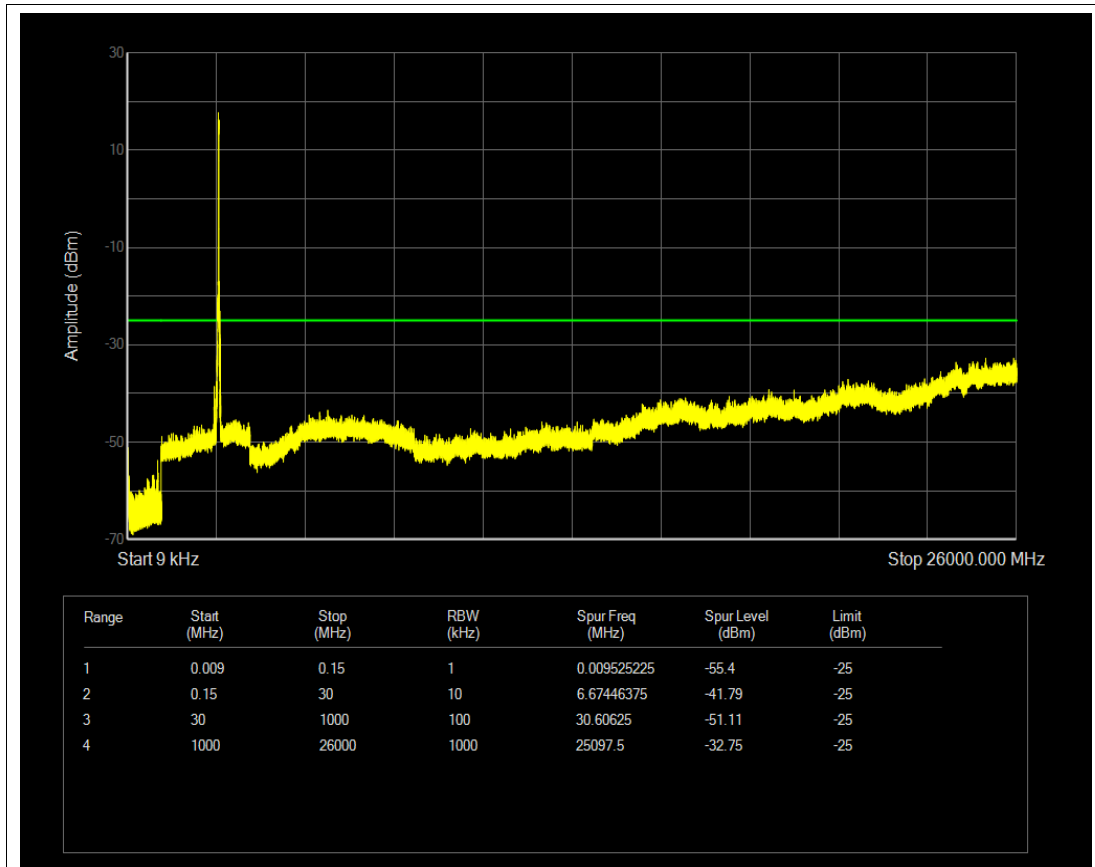
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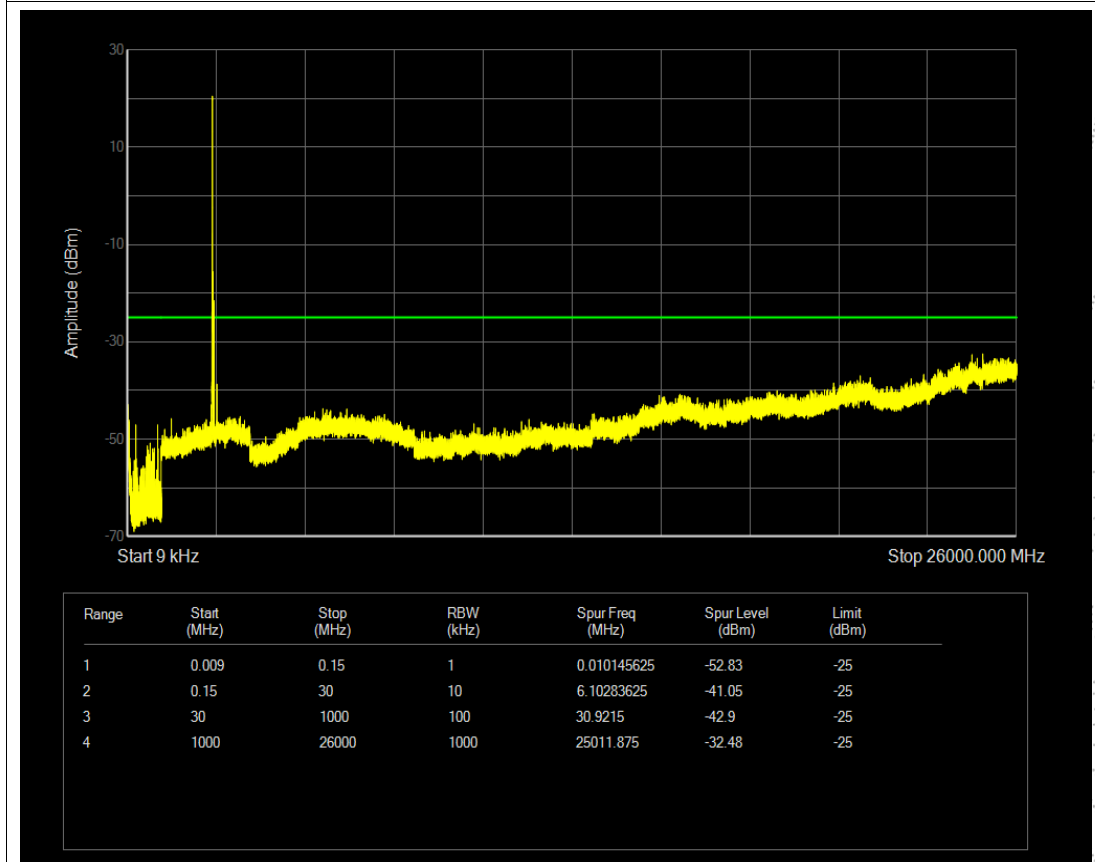
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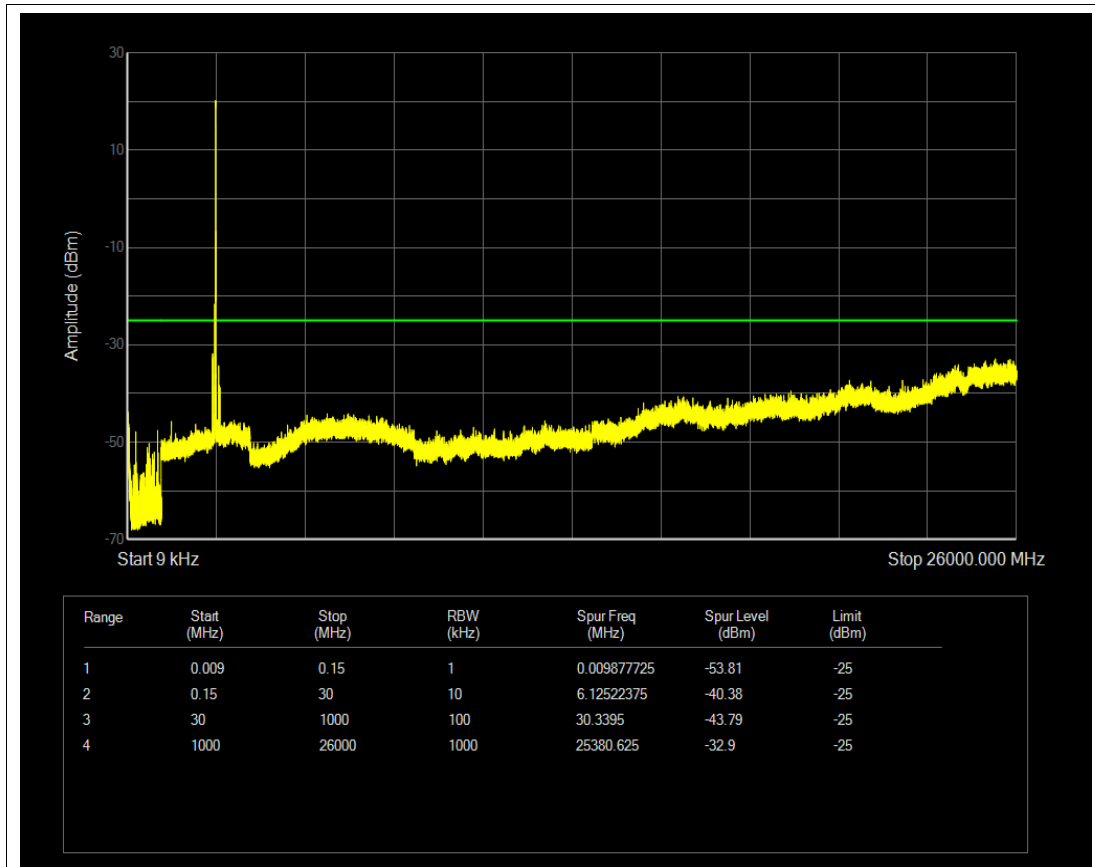
Band41 QPSK BW=20MHz Channel=40620 RB Size=100 Position=#0 NVNT



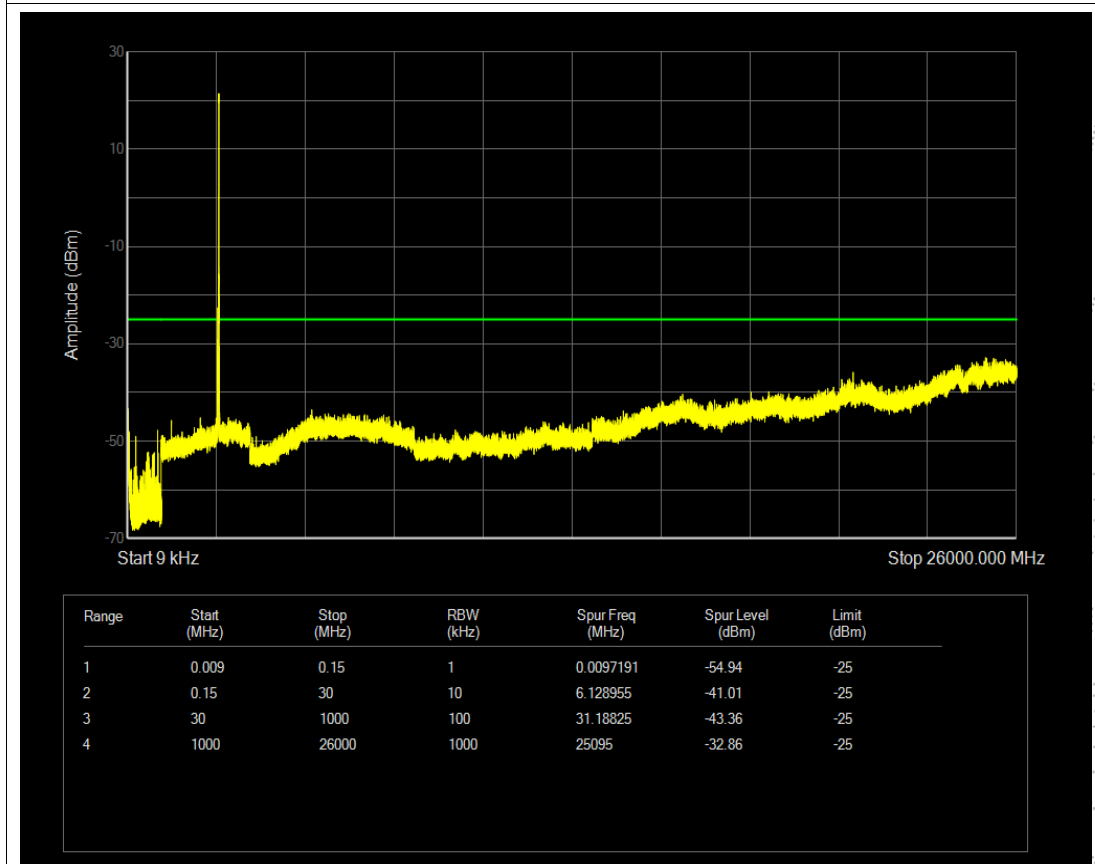
Band41 QPSK BW=20MHz Channel=41490 RB Size=100 Position=#0 NVNT



Band41 QPSK BW=5MHz Channel=39675 RB Size=25 Position=#0 NVNT



Band41 QPSK BW=5MHz Channel=40620 RB Size=25 Position=#0 NVNT



Band41 QPSK BW=5MHz Channel=41565 RB Size=25 Position=#0 NVNT