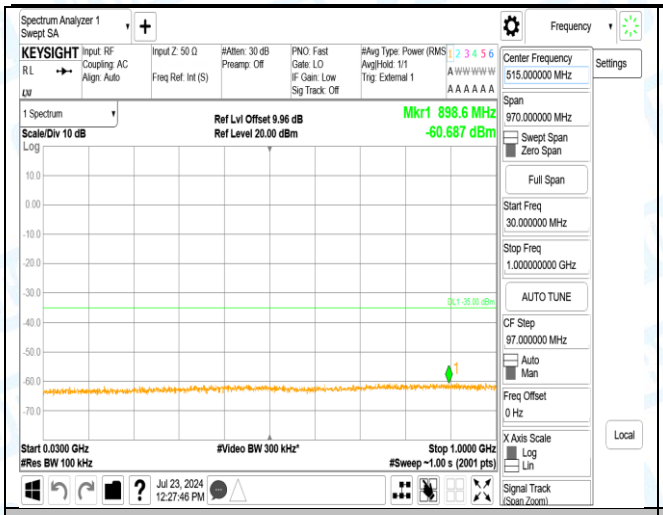
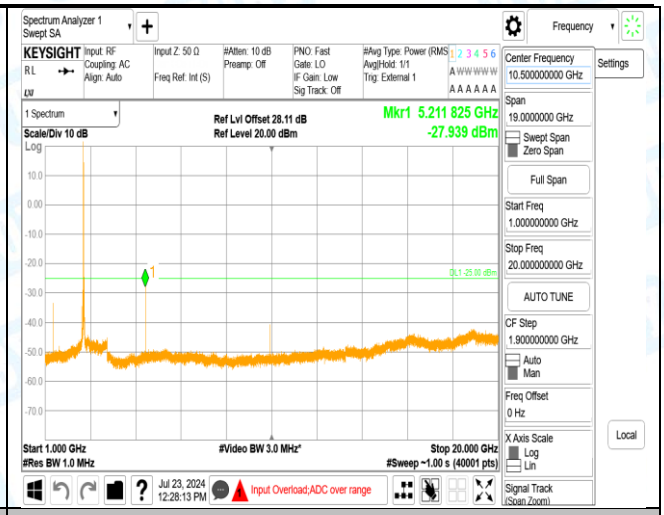



Band38_15MHz_QPSK_38175_1RB#0_20000~27000_20000~27000

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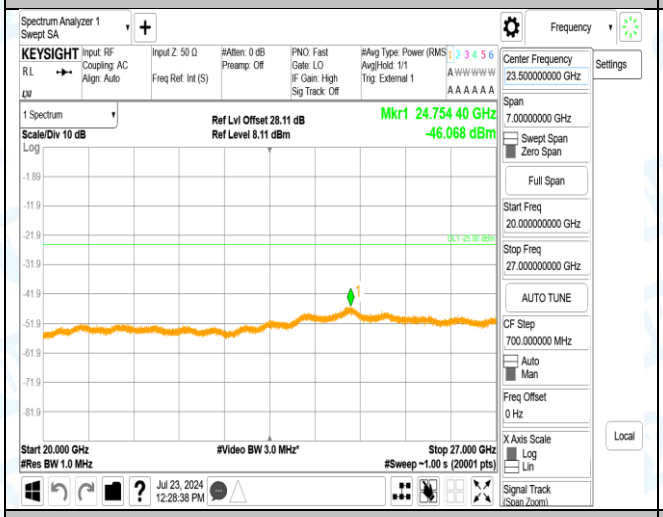


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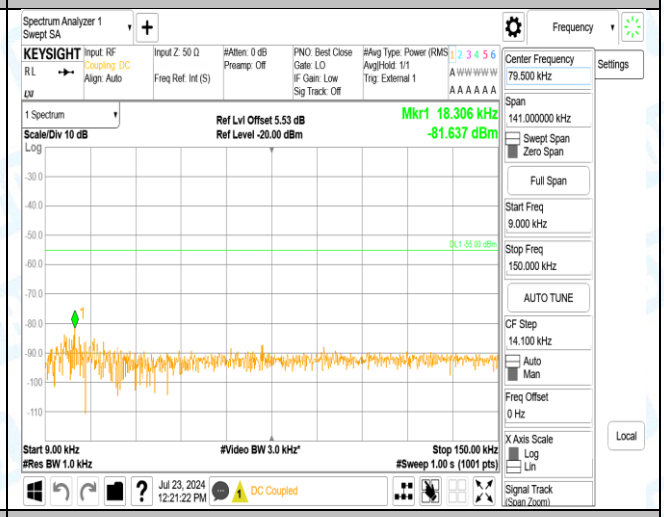


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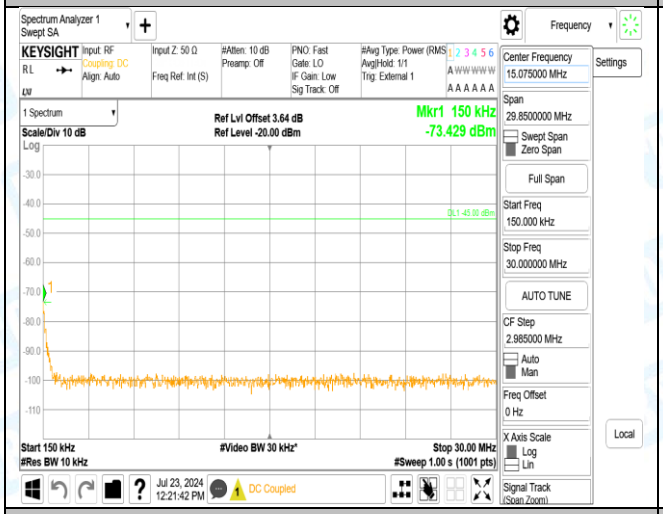


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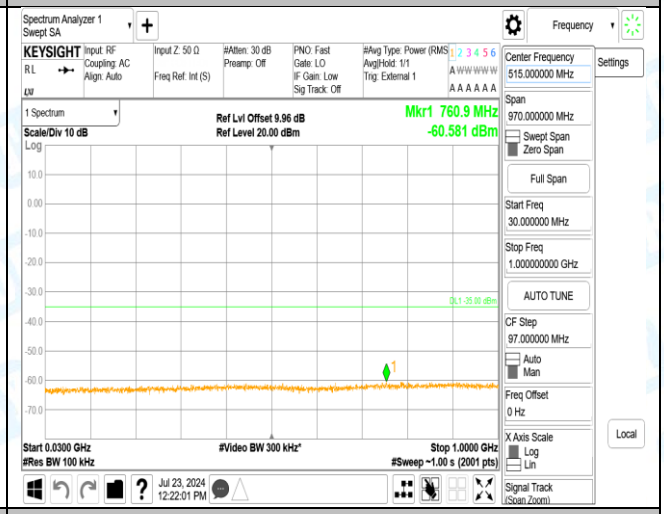
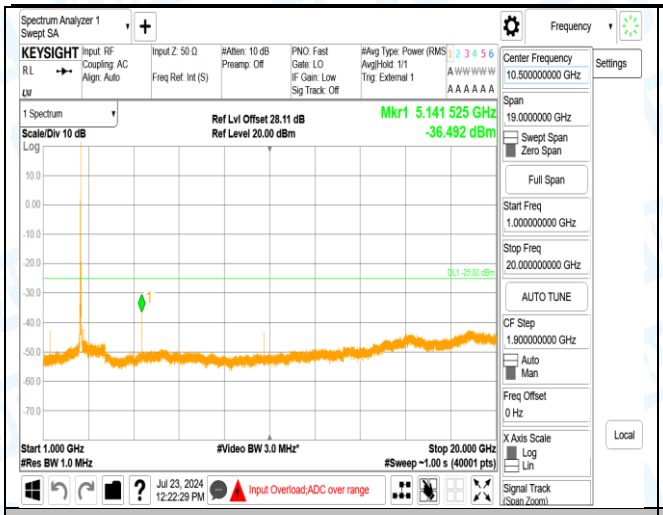



Band38_15MHz_16QAM_37825_1RB#0_20000~27000_20000~27000

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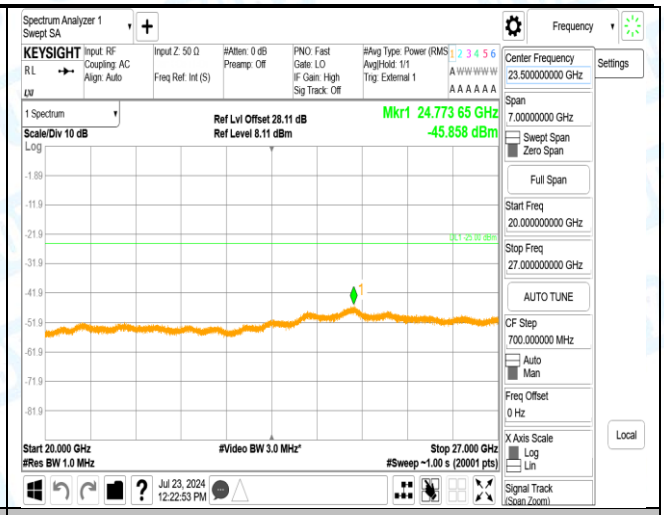


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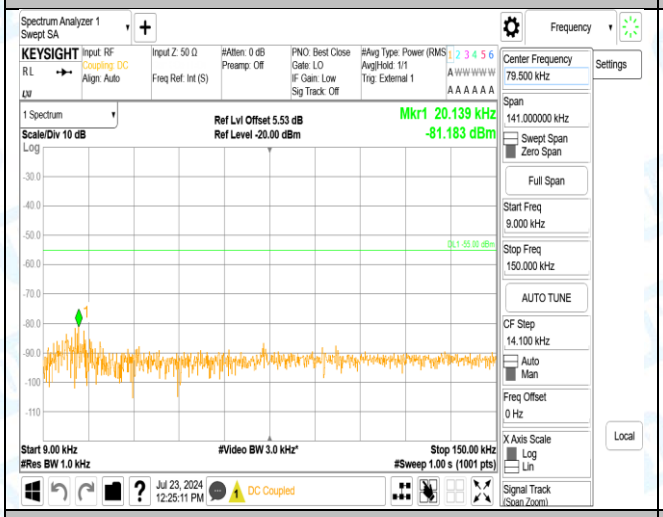


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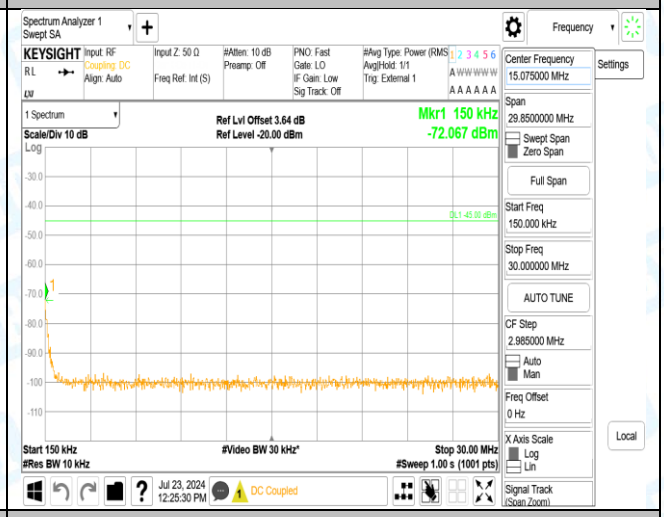


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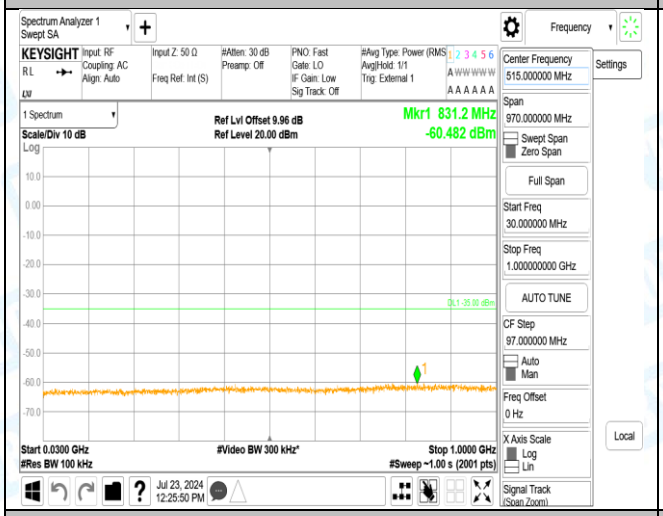
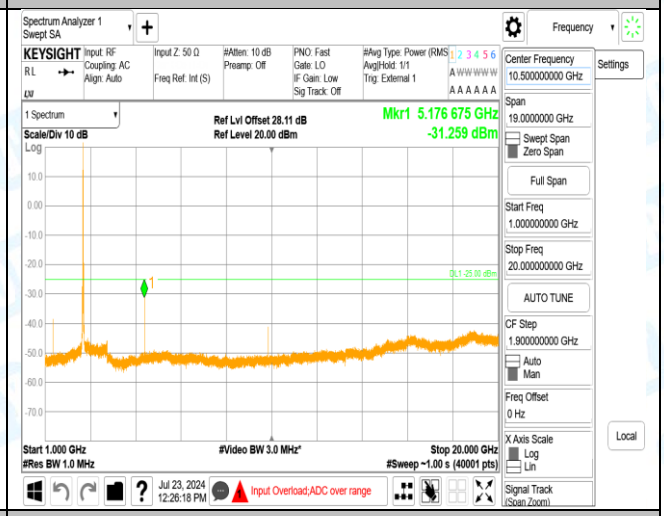



Band38_15MHz_16QAM_38000_1RB#0_20000~27000_20000~27000

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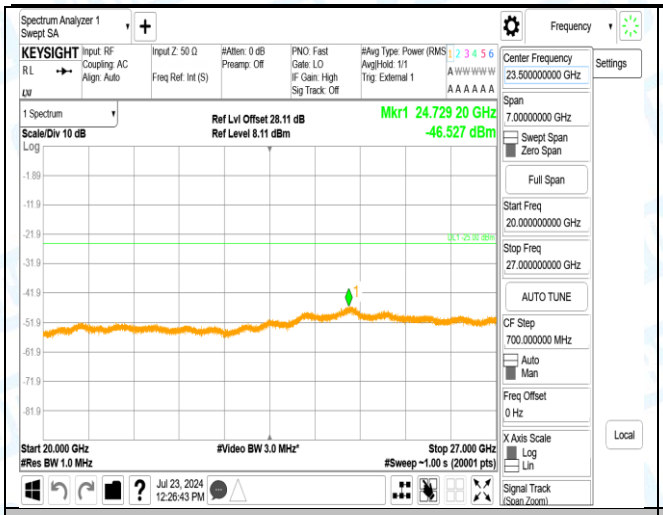


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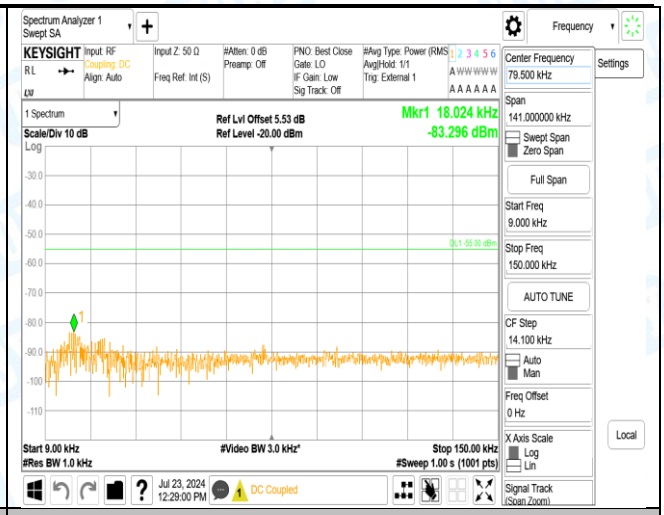
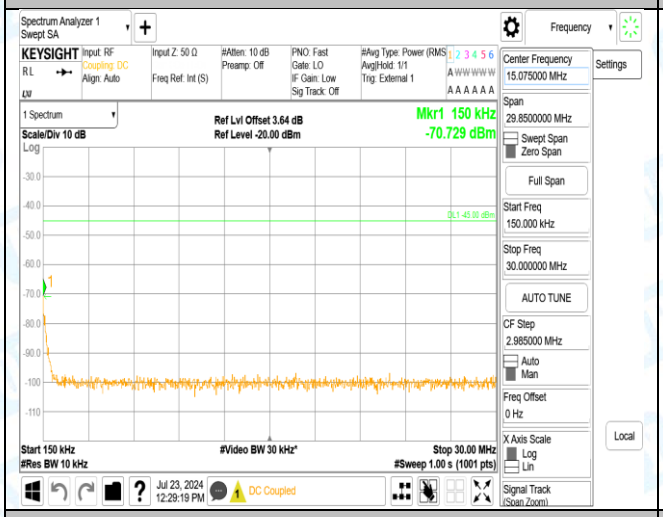



Band38_15MHz_16QAM_38175_1RB#0_30~1000_30~1000

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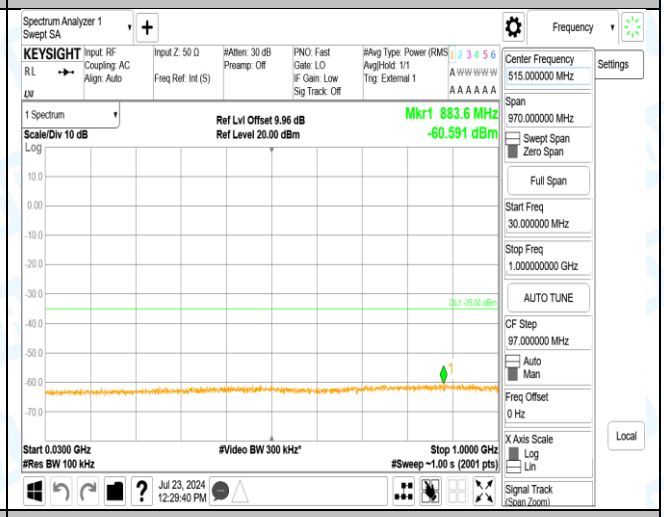
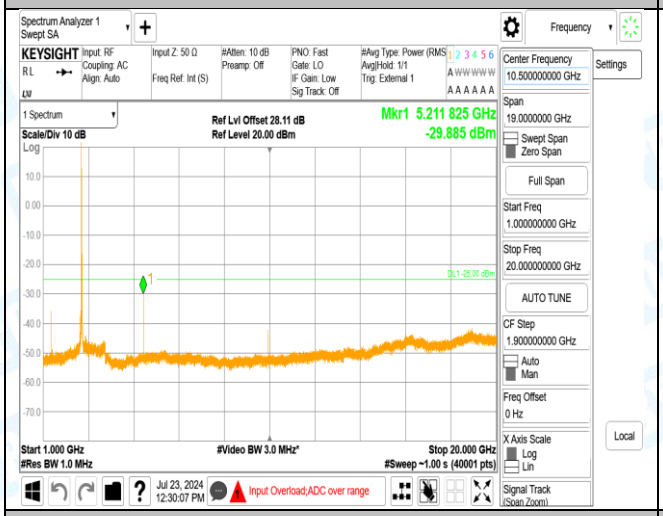
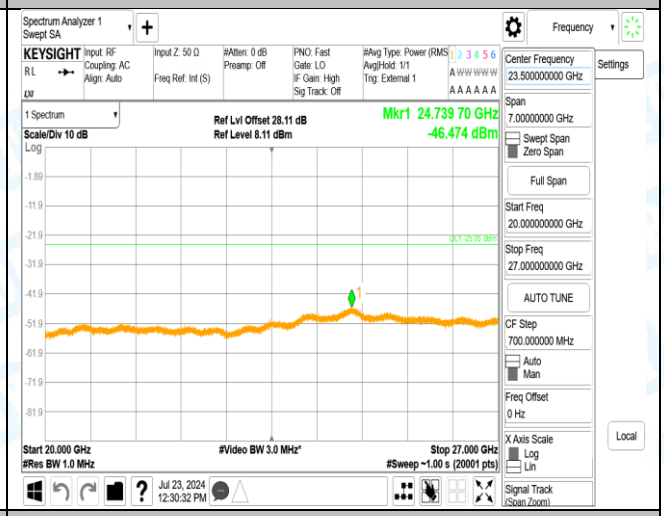


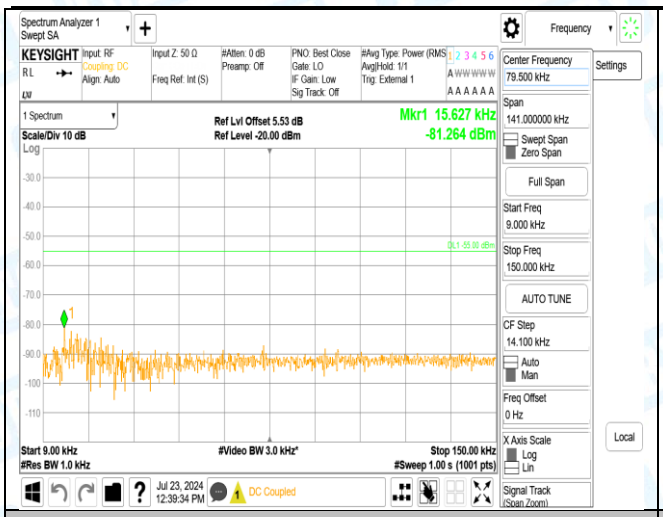

Band38_15MHz_16QAM_38175_1RB#0_20000~27000_20000~27000



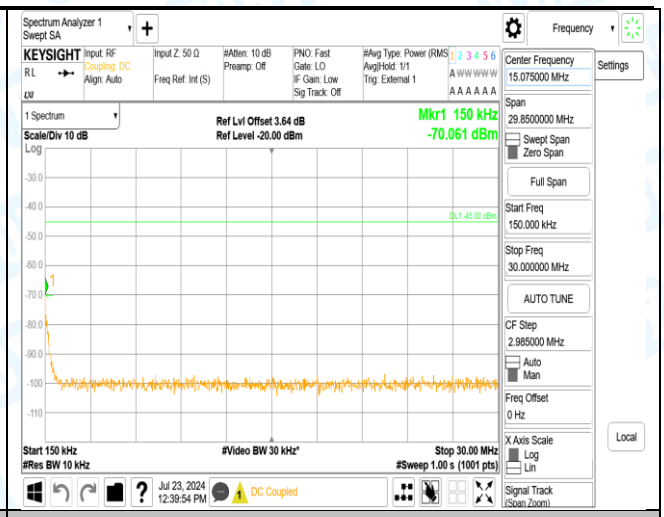

Band38_20MHz_QPSK_37850_1RB#0_0.009~0.15_0.009~0.15




Band38_20MHz_QPSK_37850_1RB#0_0.15~30_0.15~30




Band38_20MHz_QPSK_37850_1RB#0_30~1000_30~1000

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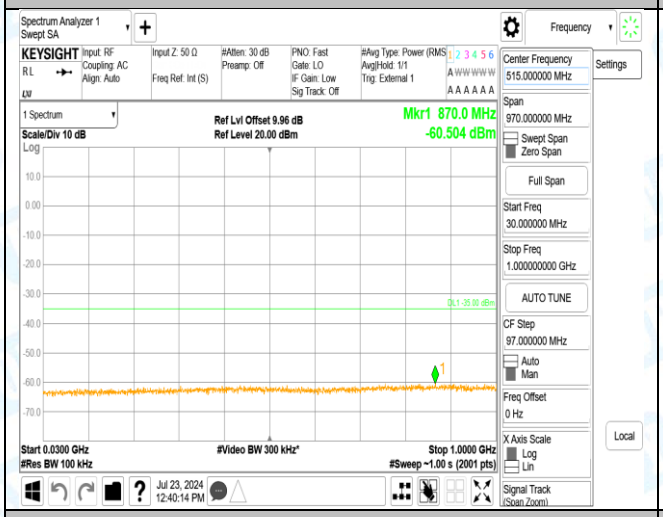


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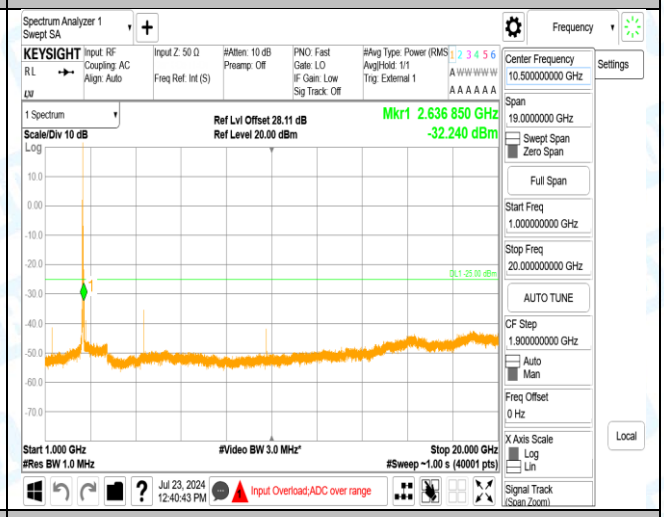


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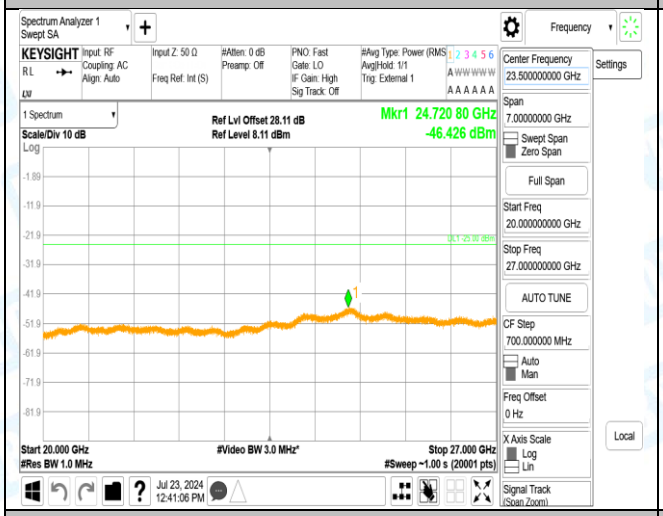


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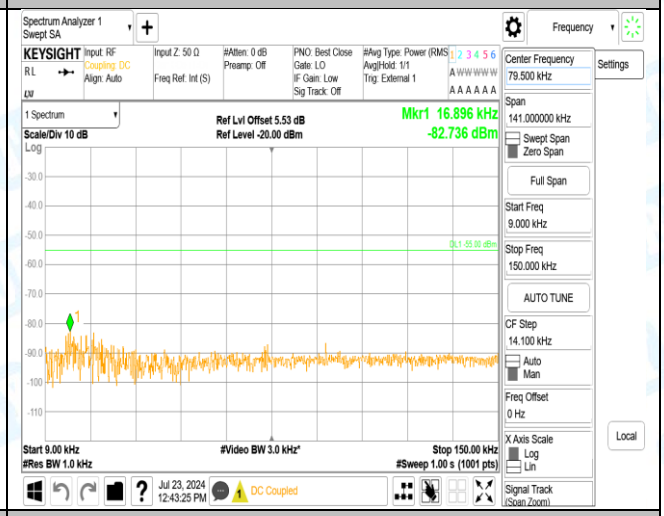


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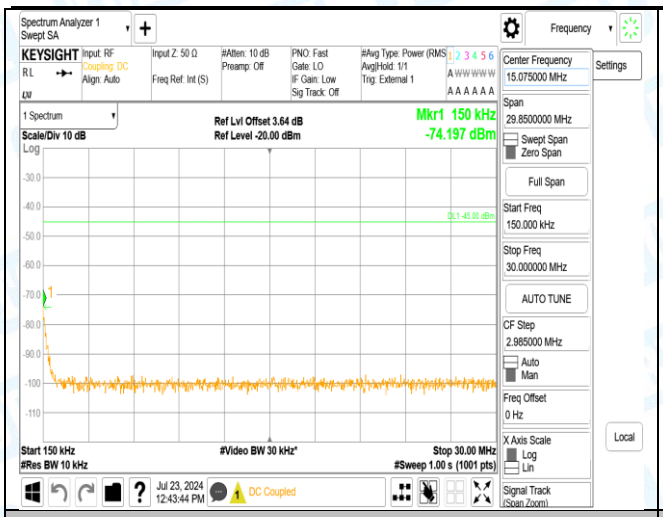


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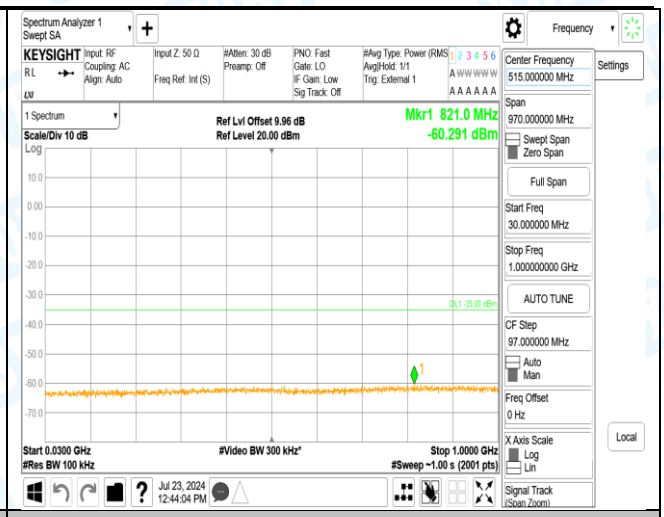
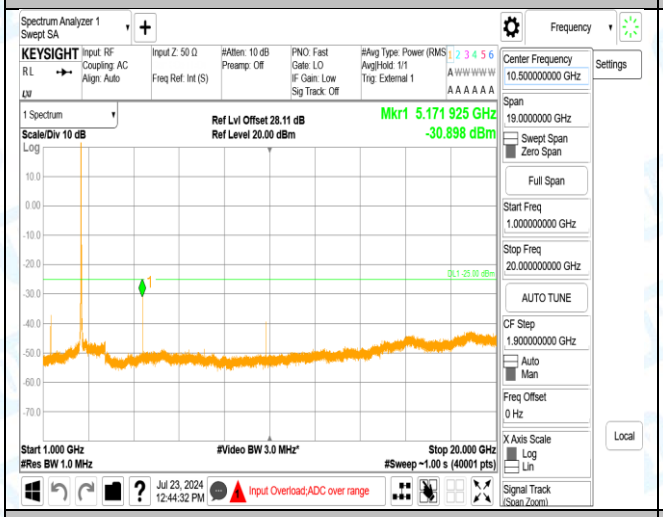



Band38_20MHz_QPSK_38000_1RB#0_20000~27000_20000~27000

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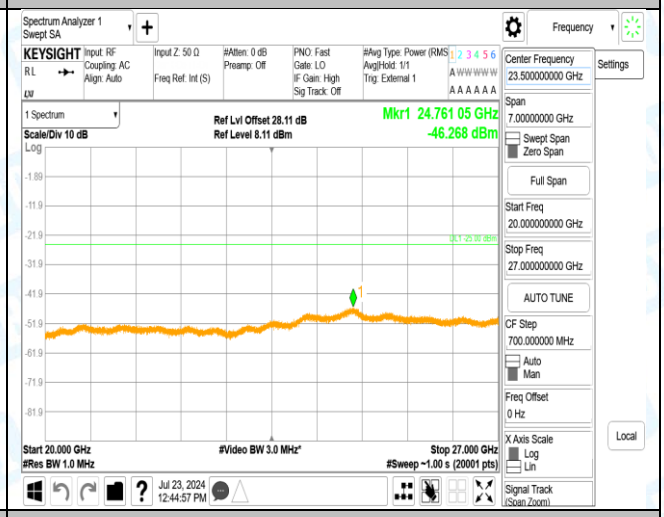
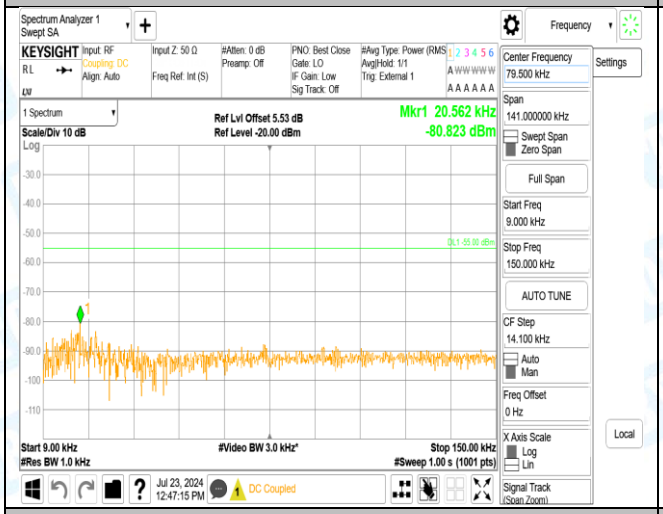



Band38_20MHz_QPSK_38150_1RB#0_0.15~30_0.15~30

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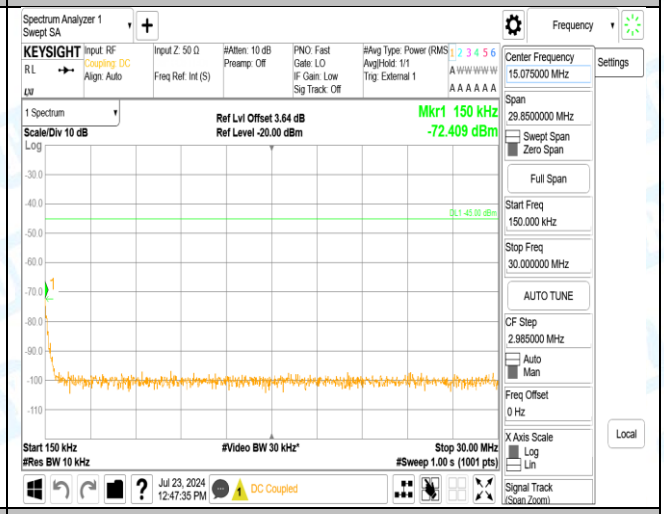


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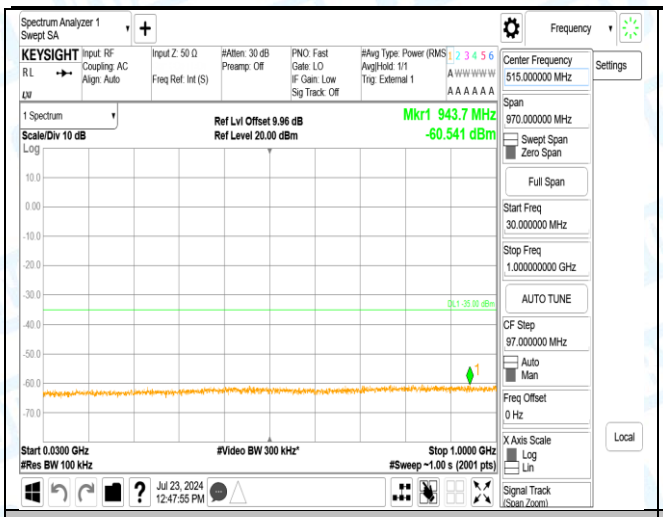


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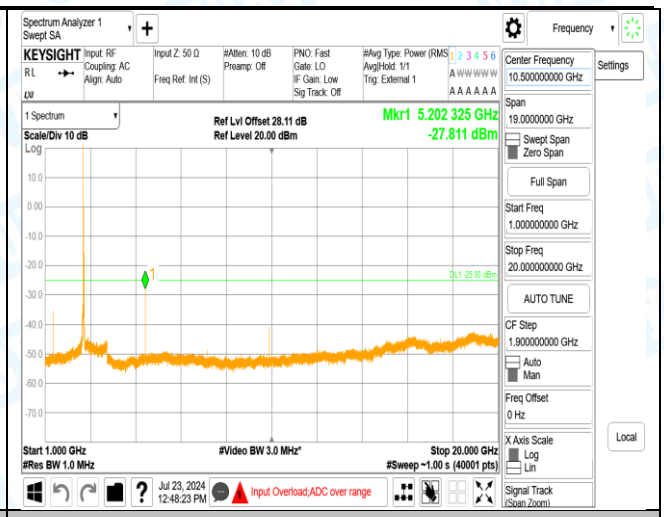


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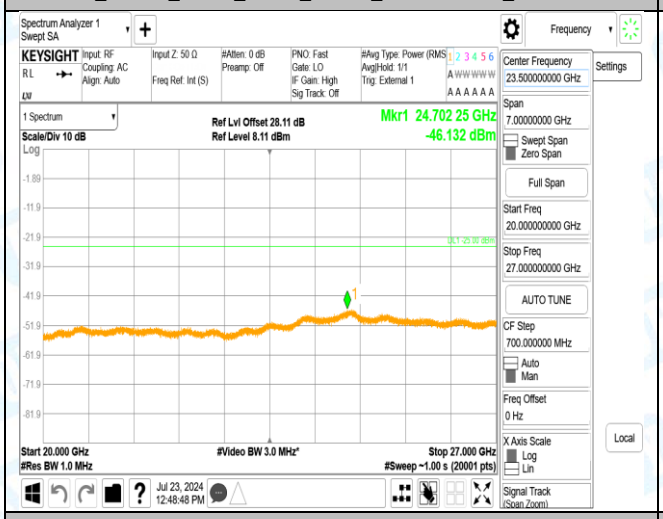
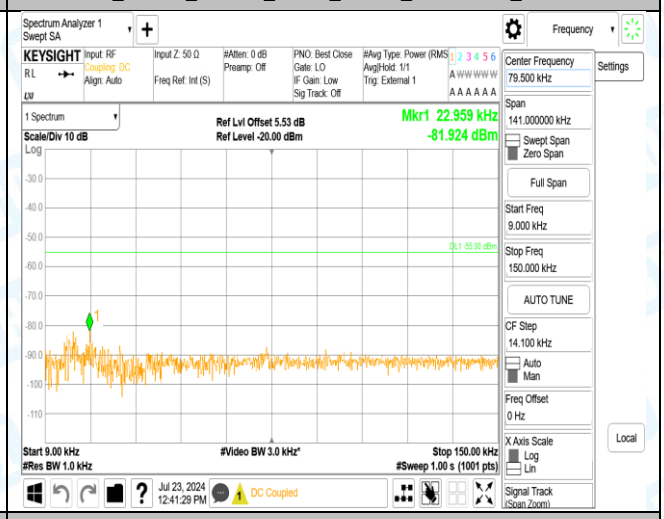
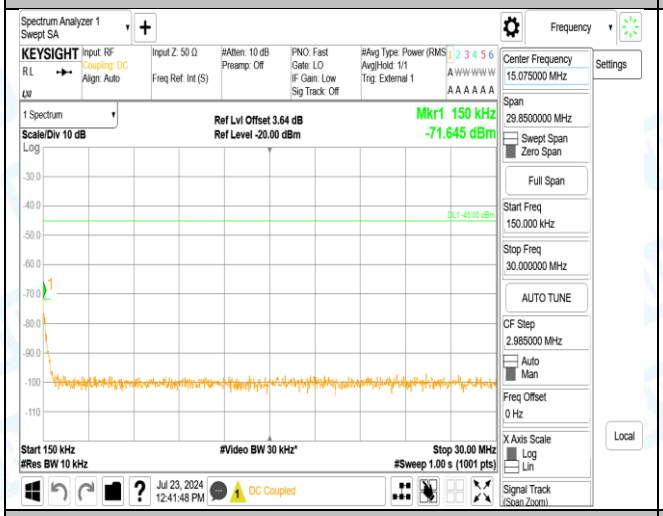


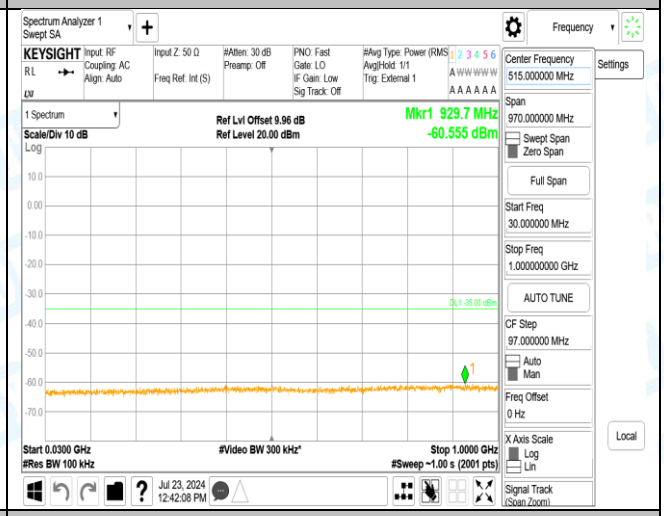

Band38_20MHz_16QAM_37850_1RB#0_0.15~30_0.15~30



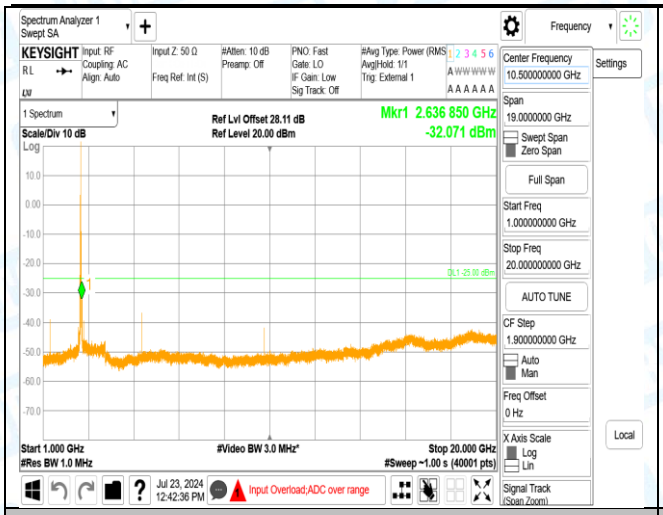

Band38_20MHz_16QAM_37850_1RB#0_30~1000_30~1000



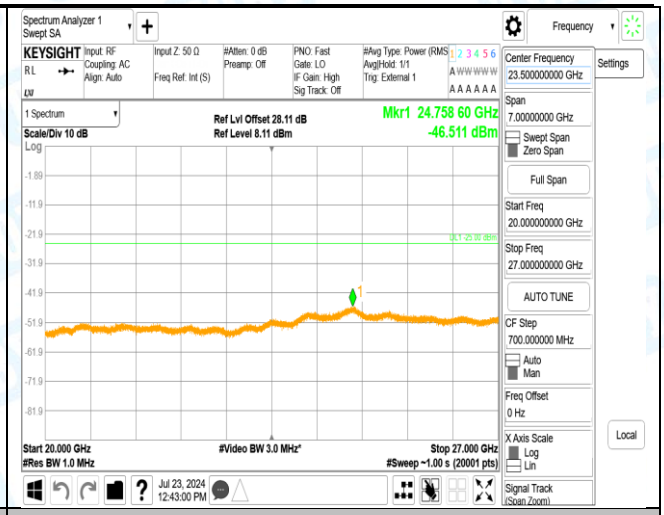

Band38_20MHz_16QAM_37850_1RB#0_1000~20000_1000~20000



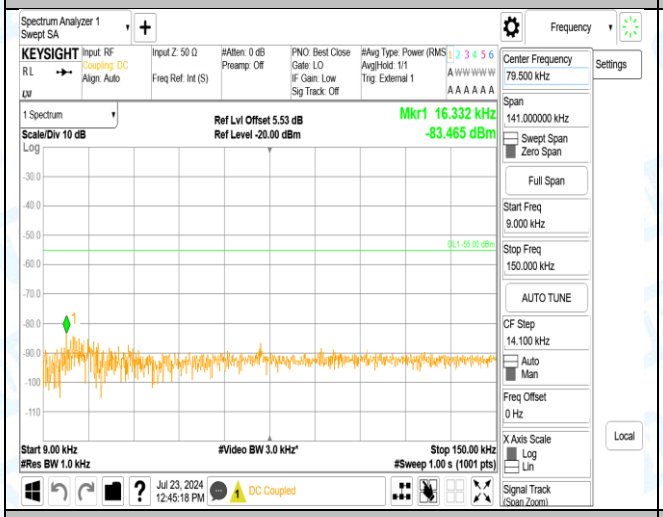

Band38_20MHz_16QAM_37850_1RB#0_20000~27000_20000~27000



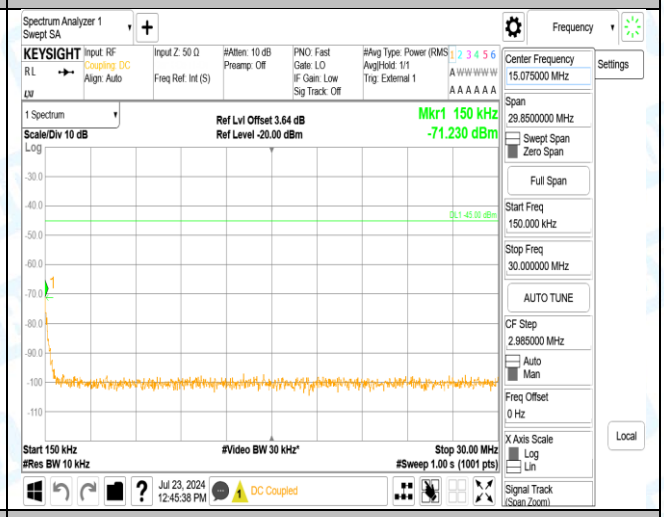

Band38_20MHz_16QAM_38000_1RB#0_0.009~0.15_0.009~0.15



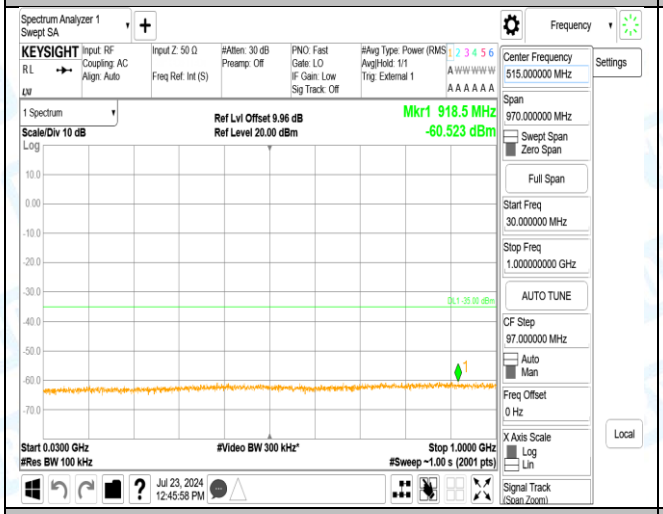

Band38_20MHz_16QAM_38000_1RB#0_0.15~30_0.15~30



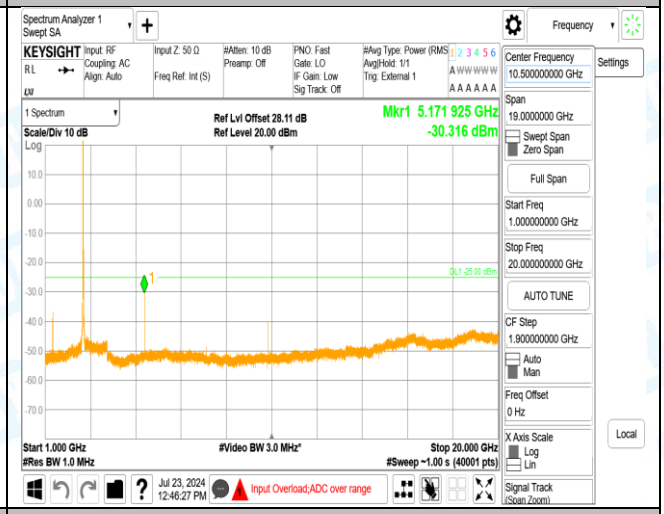

Band38_20MHz_16QAM_38000_1RB#0_30~1000_30~1000



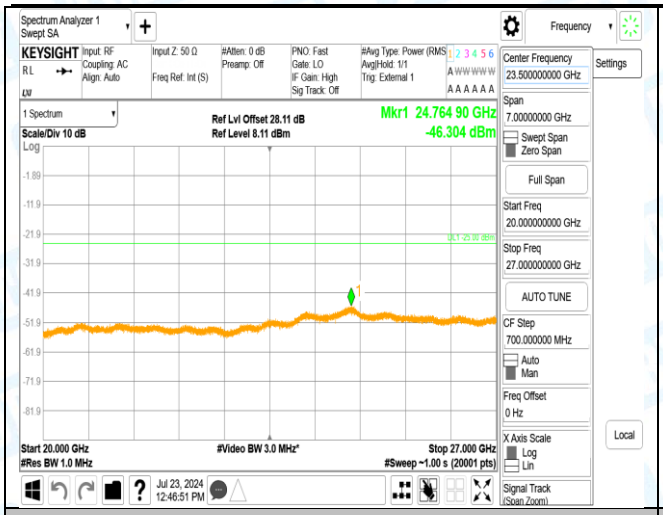

Band38_20MHz_16QAM_38000_1RB#0_1000~20000_1000~20000



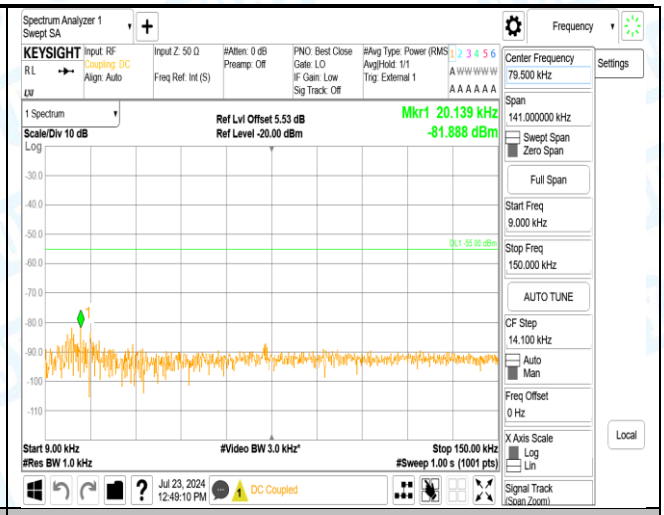

Band38_20MHz_16QAM_38000_1RB#0_20000~27000_20000~27000



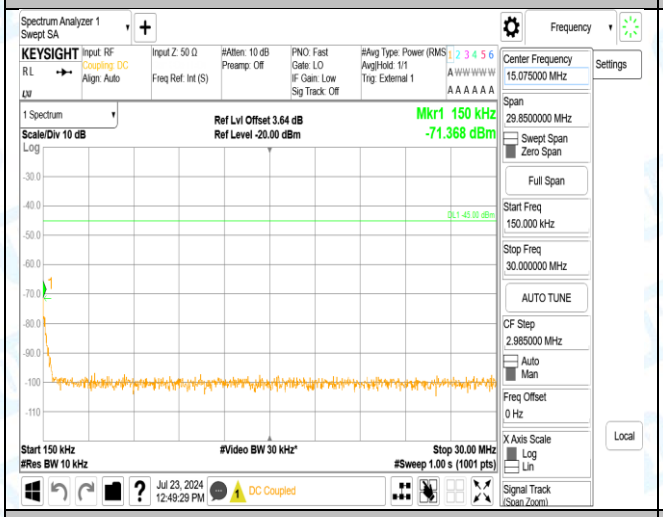

Band38_20MHz_16QAM_38150_1RB#0_0.009~0.15_0.009~0.15



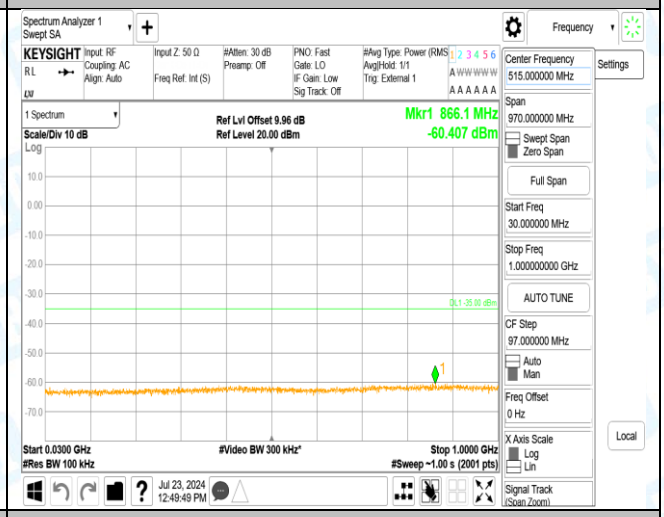

Band38_20MHz_16QAM_38150_1RB#0_0.15~30_0.15~30



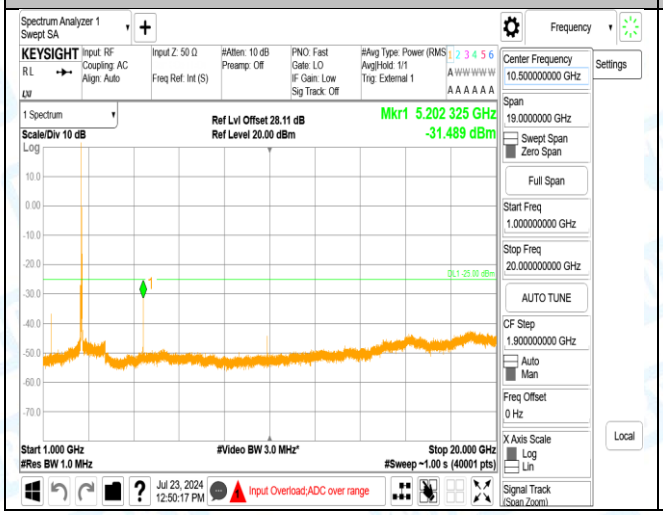

Band38_20MHz_16QAM_38150_1RB#0_30~1000_30~1000

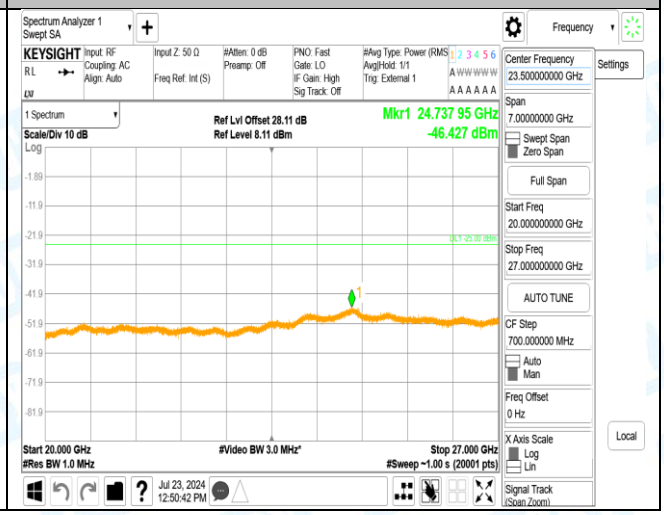



Band38_20MHz_16QAM_38150_1RB#0_1000~20000_1000~20000




Band38_20MHz_16QAM_38150_1RB#0_20000~27000_20000~27000



# 6: Frequency Stability

## Test Result

| Voltage | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Band | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (℃) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band38 | 5MHz | QPSK | 38000 | 25RB#0 | VN | NT | -7.47 | -0.002879 | ±2.5 | PASS |
| Band38 | 5MHz | QPSK | 38000 | 25RB#0 | VL | NT | -38.76 | -0.014936 | ±2.5 | PASS |
| Band38 | 5MHz | QPSK | 38000 | 25RB#0 | VH | NT | -50.84 | -0.019592 | ±2.5 | PASS |
| Band38 | 5MHz | 16QAM | 38000 | 25RB#0 | VN | NT | -12.31 | -0.004744 | ±2.5 | PASS |
| Band38 | 5MHz | 16QAM | 38000 | 25RB#0 | VL | NT | -43.01 | -0.016574 | ±2.5 | PASS |
| Band38 | 5MHz | 16QAM | 38000 | 25RB#0 | VH | NT | 14.28 | 0.005503 | ±2.5 | PASS |
| Band38 | 10MHz | QPSK | 38000 | 50RB#0 | VN | NT | 10.04 | 0.003869 | ±2.5 | PASS |
| Band38 | 10MHz | QPSK | 38000 | 50RB#0 | VL | NT | -51.55 | -0.019865 | ±2.5 | PASS |
| Band38 | 10MHz | QPSK | 38000 | 50RB#0 | VH | NT | -45.55 | -0.017553 | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 50RB#0 | VN | NT | -22.87 | -0.008813 | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 50RB#0 | VL | NT | -31.85 | -0.012274 | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 50RB#0 | VH | NT | -29.47 | -0.011356 | ±2.5 | PASS |
| Band38 | 15MHz | QPSK | 38000 | 75RB#0 | VN | NT | -23.41 | -0.009021 | ±2.5 | PASS |
| Band38 | 15MHz | QPSK | 38000 | 75RB#0 | VL | NT | -11.67 | -0.004497 | ±2.5 | PASS |
| Band38 | 15MHz | QPSK | 38000 | 75RB#0 | VH | NT | 8.09 | 0.003118 | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0 | VN | NT | 32.29 | 0.012443 | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0 | VL | NT | 45.49 | 0.017530 | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0 | VH | NT | 10.06 | 0.003877 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 100RB#0 | VN | NT | 4.96 | 0.001911 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 100RB#0 | VL | NT | -25.16 | -0.009696 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 100RB#0 | VH | NT | 53.63 | 0.020667 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | VN | NT | -30.04 | -0.011576 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | VL | NT | -14.00 | -0.005395 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | VH | NT | -22.13 | -0.008528 | ±2.5 | PASS |

| Temperature | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Band | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (℃) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band38 | 5MHz | QPSK | 38000 | 25RB#0 | NV | -30 | 9.16 | 0.003530 | ±2.5 | PASS |
| Band38 | 5MHz | QPSK | 38000 | 25RB#0 | NV | -20 | -22.24 | -0.008570 | ±2.5 | PASS |
| Band38 | 5MHz | QPSK | 38000 | 25RB#0 | NV | -10 | -15.01 | -0.005784 | ±2.5 | PASS |
| Band38 | 5MHz | QPSK | 38000 | 25RB#0 | NV | 0 | -11.67 | -0.004497 | ±2.5 | PASS |
| Band38 | 5MHz | QPSK | 38000 | 25RB#0 | NV | 10 | -9.67 | -0.003726 | ±2.5 | PASS |
| Band38 | 5MHz | QPSK | 38000 | 25RB#0 | NV | 20 | -34.29 | -0.013214 | ±2.5 | PASS |
| Band38 | 5MHz | QPSK | 38000 | 25RB#0 | NV | 30 | -33.76 | -0.013010 | ±2.5 | PASS |
| Band38 | 5MHz | QPSK | 38000 | 25RB#0 | NV | 40 | -42.84 | -0.016509 | ±2.5 | PASS |
| Band38 | 5MHz | QPSK | 38000 | 25RB#0 | NV | 50 | 17.06 | 0.006574 | ±2.5 | PASS |
| Band38 | 5MHz | 16QAM | 38000 | 25RB#0 | NV | -30 | -5.98 | -0.002304 | ±2.5 | PASS |
| Band38 | 5MHz | 16QAM | 38000 | 25RB#0 | NV | -20 | -8.97 | -0.003457 | ±2.5 | PASS |
| Band38 | 5MHz | 16QAM | 38000 | 25RB#0 | NV | -10 | -7.95 | -0.003064 | ±2.5 | PASS |
| Band38 | 5MHz | 16QAM | 38000 | 25RB#0 | NV | 0 | -12.64 | -0.004871 | ±2.5 | PASS |
| Band38 | 5MHz | 16QAM | 38000 | 25RB#0 | NV | 10 | -22.02 | -0.008486 | ±2.5 | PASS |
| Band38 | 5MHz | 16QAM | 38000 | 25RB#0 | NV | 20 | -22.43 | -0.008644 | ±2.5 | PASS |
| Band38 | 5MHz | 16QAM | 38000 | 25RB#0 | NV | 30 | -20.86 | -0.008039 | ±2.5 | PASS |
| Band38 | 5MHz | 16QAM | 38000 | 25RB#0 | NV | 40 | -19.01 | -0.007326 | ±2.5 | PASS |
| Band38 | 5MHz | 16QAM | 38000 | 25RB#0 | NV | 50 | -18.41 | -0.007094 | ±2.5 | PASS |
| Band38 | 10MHz | QPSK | 38000 | 50RB#0 | NV | -30 | -9.33 | -0.003595 | ±2.5 | PASS |
| Band38 | 10MHz | QPSK | 38000 | 50RB#0 | NV | -20 | -8.73 | -0.003364 | ±2.5 | PASS |
| Band38 | 10MHz | QPSK | 38000 | 50RB#0 | NV | -10 | -44.55 | -0.017168 | ±2.5 | PASS |
| Band38 | 10MHz | QPSK | 38000 | 50RB#0 | NV | 0 | -35.72 | -0.013765 | ±2.5 | PASS |
| Band38 | 10MHz | QPSK | 38000 | 50RB#0 | NV | 10 | -45.88 | -0.017680 | ±2.5 | PASS |
| Band38 | 10MHz | QPSK | 38000 | 50RB#0 | NV | 20 | -30.40 | -0.011715 | ±2.5 | PASS |
| Band38 | 10MHz | QPSK | 38000 | 50RB#0 | NV | 30 | -33.94 | -0.013079 | ±2.5 | PASS |
| Band38 | 10MHz | QPSK | 38000 | 50RB#0 | NV | 40 | -55.36 | -0.021333 | ±2.5 | PASS |
| Band38 | 10MHz | QPSK | 38000 | 50RB#0 | NV | 50 | -56.72 | -0.021857 | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 50RB#0 | NV | -30 | -15.16 | -0.005842 | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 50RB#0 | NV | -20 | -47.13 | -0.018162 | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 50RB#0 | NV | -10 | -17.96 | -0.006921 | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 50RB#0 | NV | 0 | -45.04 | -0.017356 | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 50RB#0 | NV | 10 | -38.14 | -0.014697 | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 50RB#0 | NV | 20 | 13.63 | 0.005252 | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 50RB#0 | NV | 30 | -27.85 | -0.010732 | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 50RB#0 | NV | 40 | -8.26 | -0.003183 | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 50RB#0 | NV | 50 | -39.74 | -0.015314 | ±2.5 | PASS |
| Band38 | 15MHz | QPSK | 38000 | 75RB#0 | NV | -30 | 14.53 | 0.005599 | ±2.5 | PASS |
| Band38 | 15MHz | QPSK | 38000 | 75RB#0 | NV | -20 | -35.81 | -0.013800 | ±2.5 | PASS |
| Band38 | 15MHz | QPSK | 38000 | 75RB#0 | NV | -10 | 16.05 | 0.006185 | ±2.5 | PASS |
| Band38 | 15MHz | QPSK | 38000 | 75RB#0 | NV | 0 | -10.07 | -0.003881 | ±2.5 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|
| Band38 | 15MHz | QPSK | 38000 | 75RB#0 | NV | 10 | -35.24 | -0.013580 | ±2.5 | PASS |
| Band38 | 15MHz | QPSK | 38000 | 75RB#0 | NV | 20 | -12.35 | -0.004759 | ±2.5 | PASS |
| Band38 | 15MHz | QPSK | 38000 | 75RB#0 | NV | 30 | -11.50 | -0.004432 | ±2.5 | PASS |
| Band38 | 15MHz | QPSK | 38000 | 75RB#0 | NV | 40 | 3.18 | 0.001225 | ±2.5 | PASS |
| Band38 | 15MHz | QPSK | 38000 | 75RB#0 | NV | 50 | 20.50 | 0.007900 | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0 | NV | -30 | 19.49 | 0.007511 | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0 | NV | -20 | 21.96 | 0.008462 | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0 | NV | -10 | 33.61 | 0.012952 | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0 | NV | 0 | 48.00 | 0.018497 | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0 | NV | 10 | -9.39 | -0.003618 | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0 | NV | 20 | 11.47 | 0.004420 | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0 | NV | 30 | 24.06 | 0.009272 | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0 | NV | 40 | 35.33 | 0.013615 | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0 | NV | 50 | 42.35 | 0.016320 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 100RB#0 | NV | -30 | 5.40 | 0.002081 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 100RB#0 | NV | -20 | 7.00 | 0.002697 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 100RB#0 | NV | -10 | 10.95 | 0.004220 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 100RB#0 | NV | 0 | 7.48 | 0.002882 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 100RB#0 | NV | 10 | 4.90 | 0.001888 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 100RB#0 | NV | 20 | -7.26 | -0.002798 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 100RB#0 | NV | 30 | -11.01 | -0.004243 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 100RB#0 | NV | 40 | -23.65 | -0.009114 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 100RB#0 | NV | 50 | -23.40 | -0.009017 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | -30 | -16.69 | -0.006432 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | -20 | -7.26 | -0.002798 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | -10 | 11.83 | 0.004559 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | 0 | 25.64 | 0.009881 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | 10 | 34.78 | 0.013403 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | 20 | 46.06 | 0.017750 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | 30 | 5.78 | 0.002227 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | 40 | 8.23 | 0.003171 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | 50 | -7.37 | -0.002840 | ±2.5 | PASS |

**-----END OF THE REPORT-----**