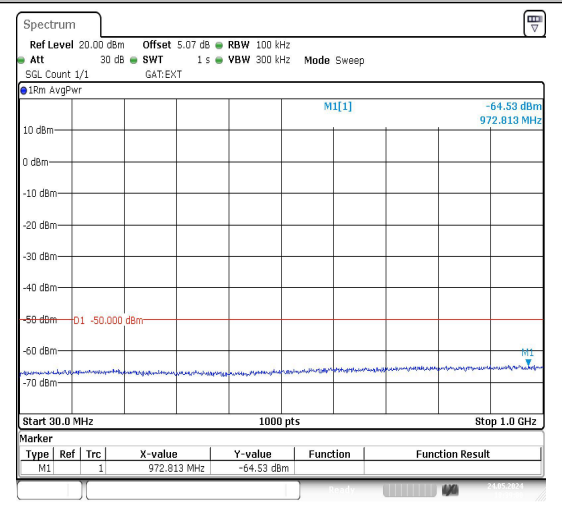
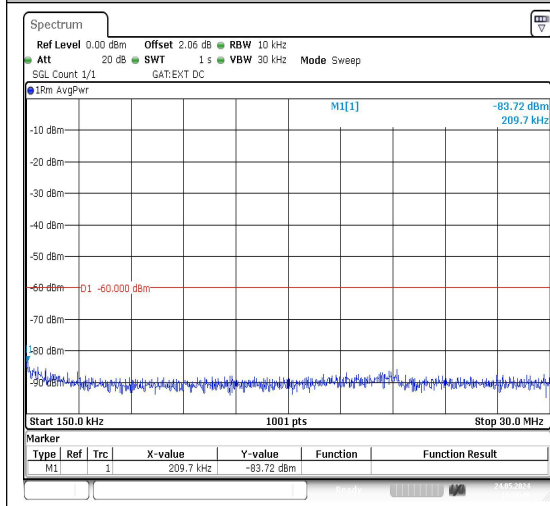


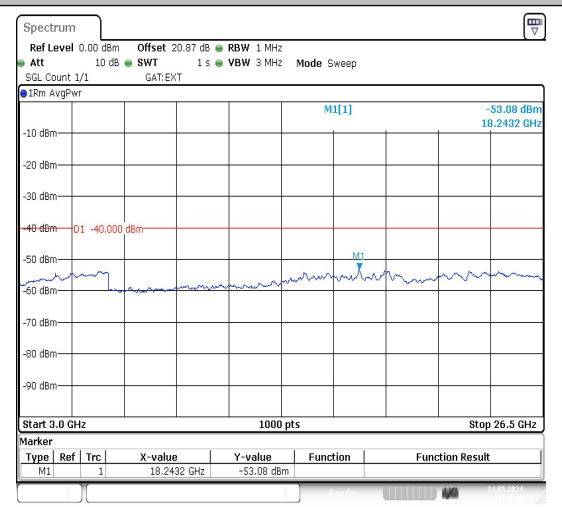
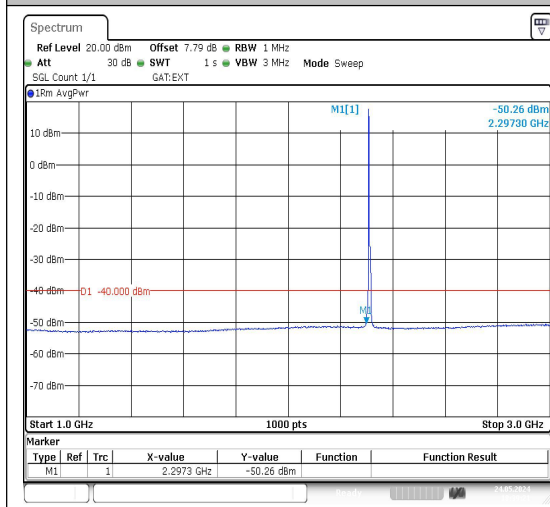
Band40_5MHz_QPSK_38750_1RB#0_3000~26500_00_3000~26500

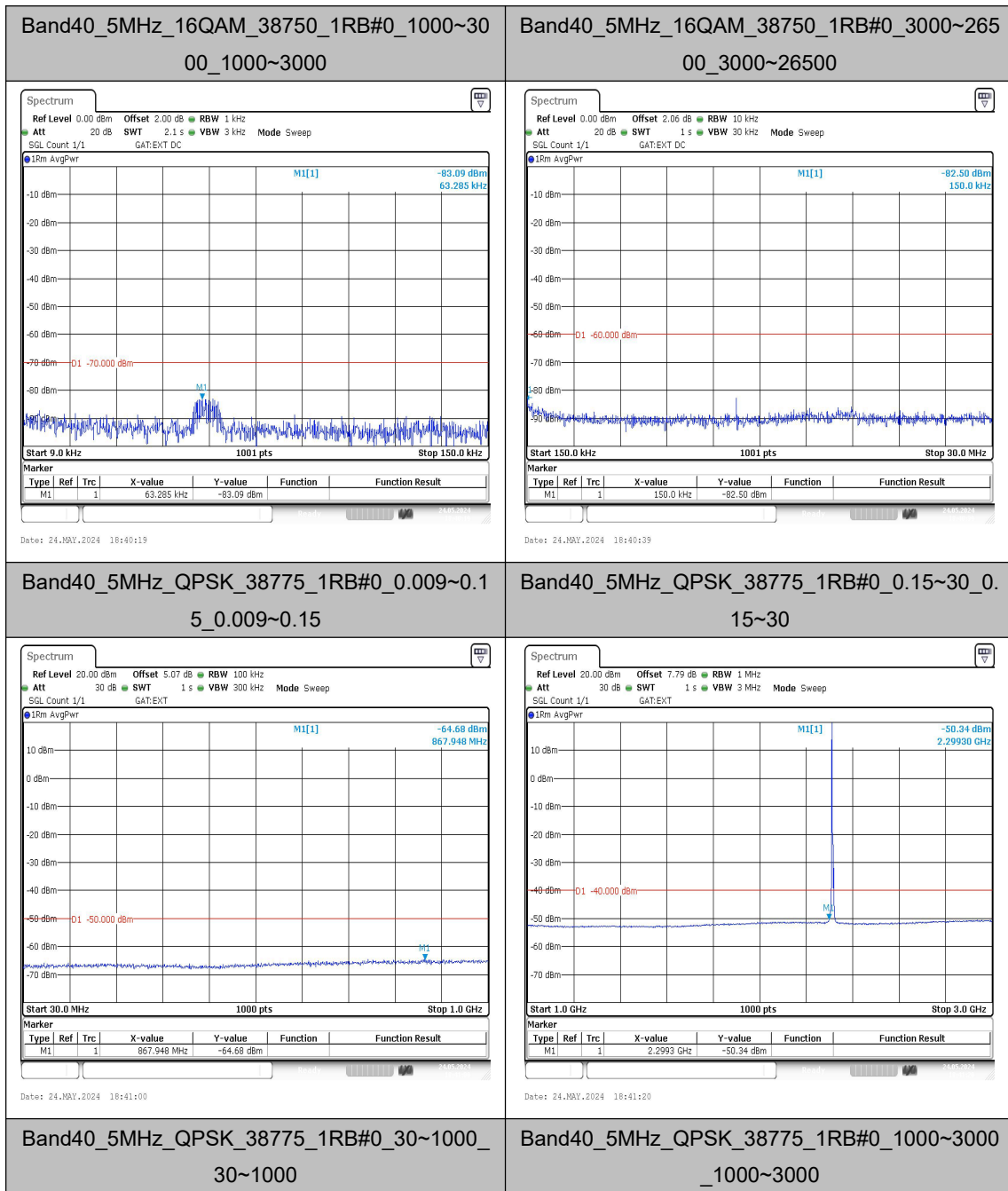
Band40_5MHz_16QAM_38750_1RB#0_0.009~0.15_5_0.009~0.15

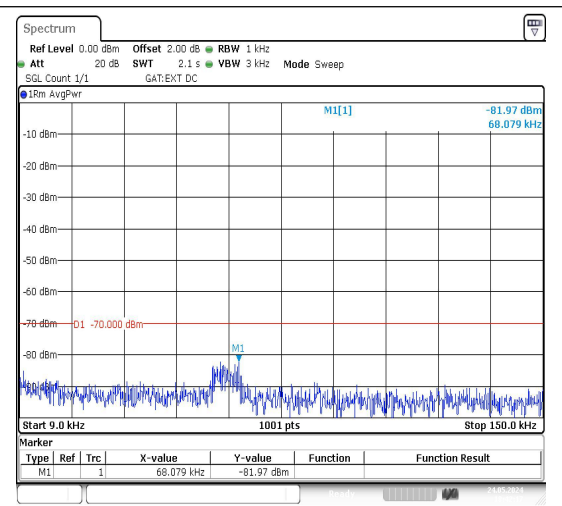
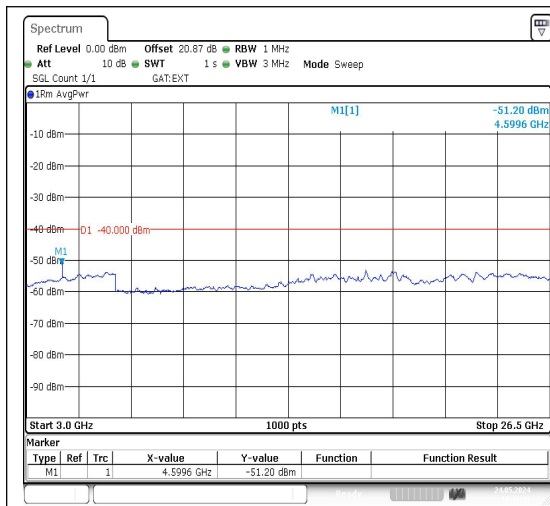


Band40_5MHz_16QAM_38750_1RB#0_0.15~30_0.15~30

Band40_5MHz_16QAM_38750_1RB#0_30~1000_30~1000

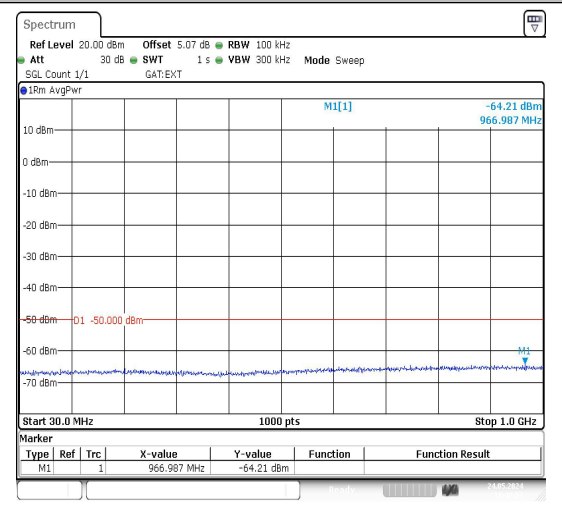
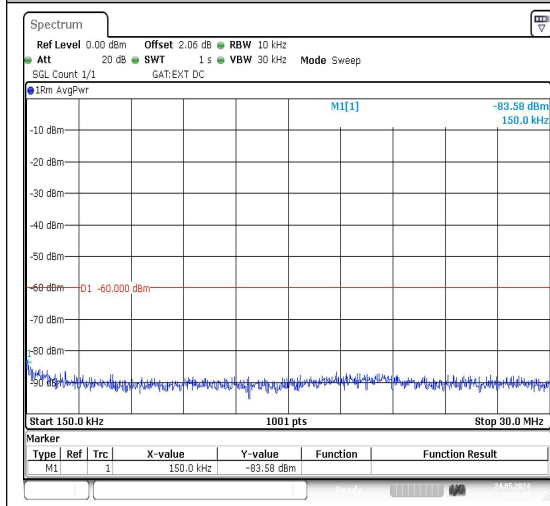






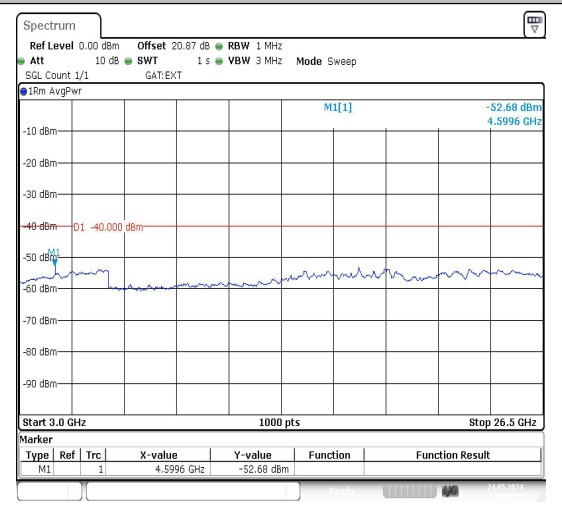
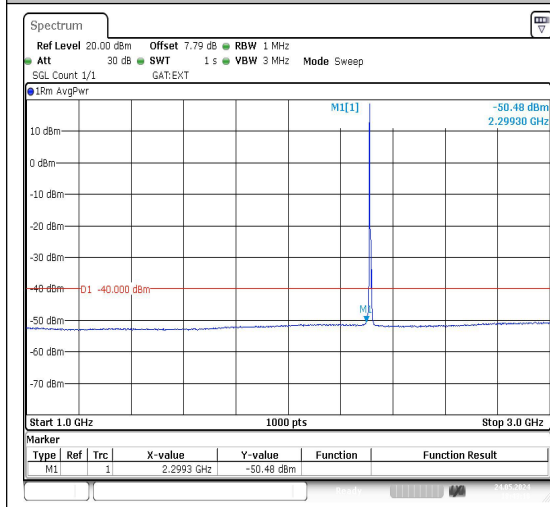
Band40_5MHz_QPSK_38775_1RB#0_3000~26500_00_3000~26500

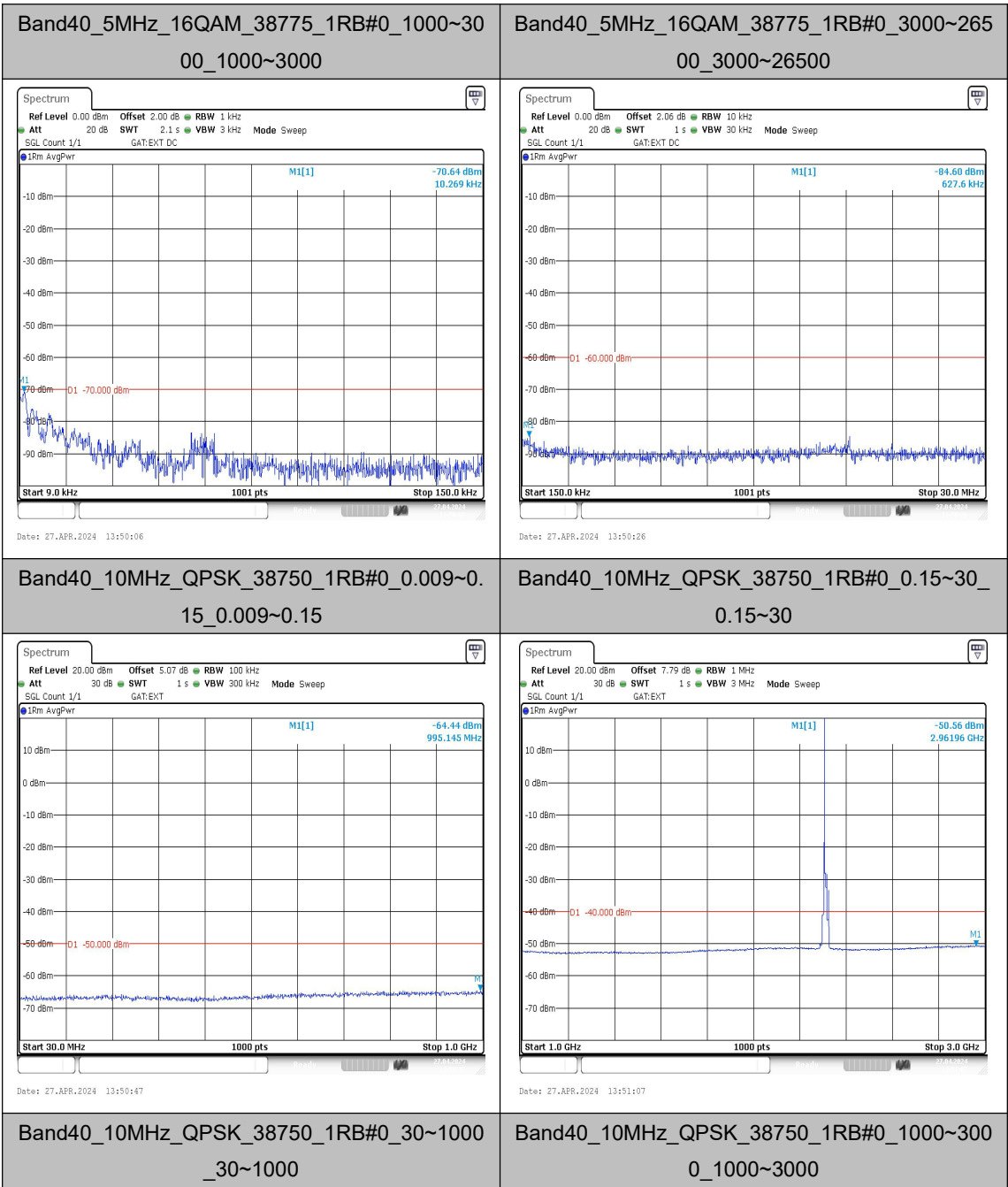
Band40_5MHz_16QAM_38775_1RB#0_0.009~0.15_0.009~0.15

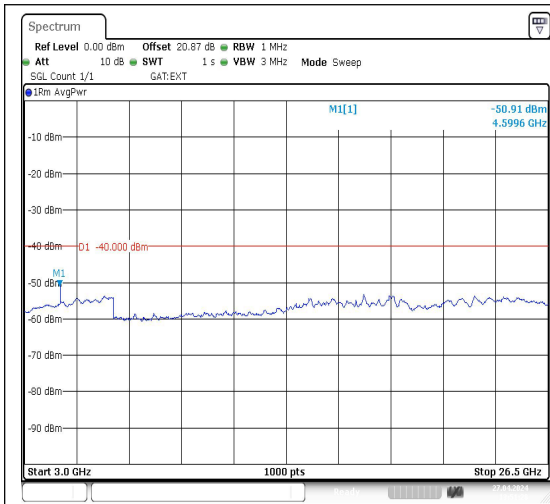


Band40_5MHz_16QAM_38775_1RB#0_0.15~0.30_0.15~0.30

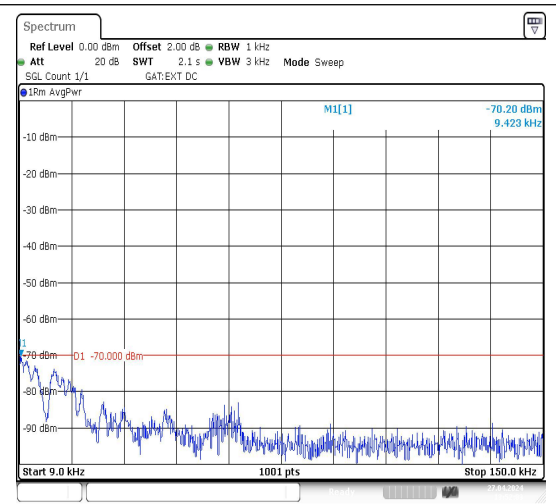
Band40_5MHz_16QAM_38775_1RB#0_30~1000_30~1000



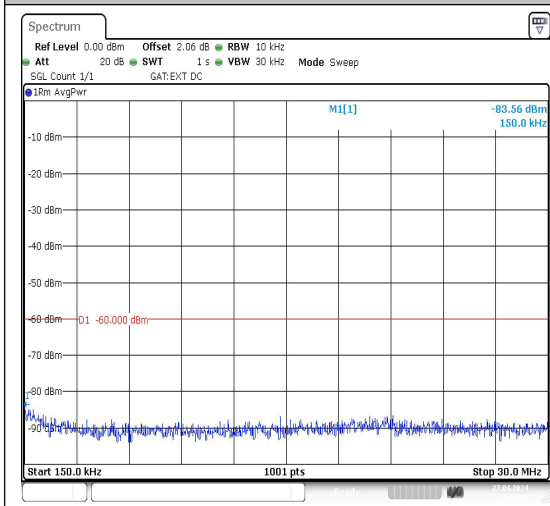




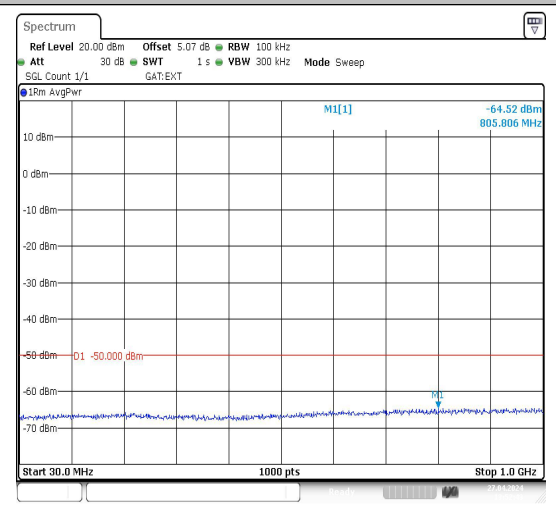
Band40_10MHz_QPSK_38750_1RB#0_3000~26500



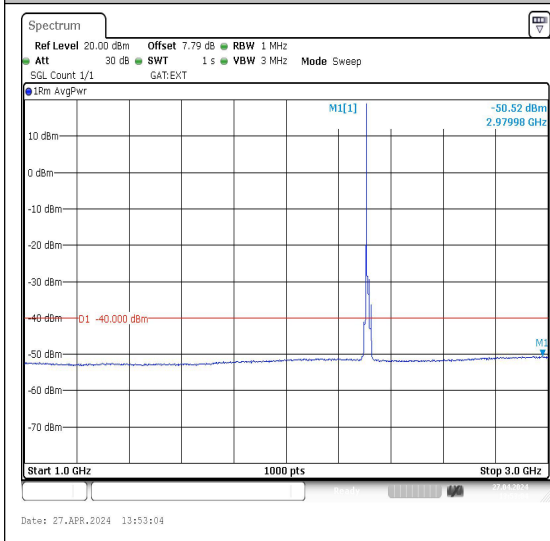
Band40_10MHz_16QAM_38750_1RB#0_0.009~0.15



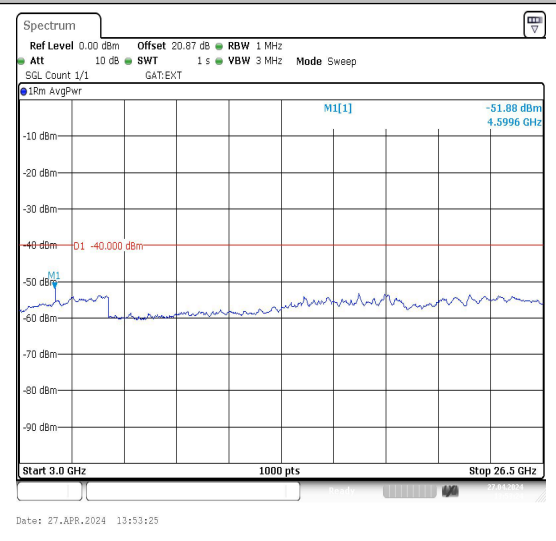
Band40_10MHz_QPSK_38750_1RB#0_3000~26500



Band40_10MHz_16QAM_38750_1RB#0_0.009~0.15



Band40_10MHz_16QAM_38750_1RB#0_0.15~3



Band40_10MHz_16QAM_38750_1RB#0_30~1000

| | |
|--|--|
| Band40_10MHz_16QAM_38750_1RB#0_1000~3000_1000~3000 | Band40_10MHz_16QAM_38750_1RB#0_3000~26500_500_3000~26500 |
|--|--|

Appendix F: Frequency Stability

Test Result

| Band | Bandwidth | Modulation | Channel | RB Configure | Voltage | | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|---------------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| | | | | | Voltage [Vdc] | Temperature (°C) | | | | |
| 40(2305-2315) | 5MHz | QPSK | 38725 | 25RB#0 | VN | NT | -10.87 | -0.004711 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | QPSK | 38725 | 25RB#0 | VL | NT | -13.10 | -0.005677 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | QPSK | 38725 | 25RB#0 | VH | NT | -11.69 | -0.005066 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | 16QAM | 38725 | 25RB#0 | VN | NT | -8.53 | -0.003697 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | 16QAM | 38725 | 25RB#0 | VL | NT | -12.67 | -0.005491 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | 16QAM | 38725 | 25RB#0 | VH | NT | -6.88 | -0.002982 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | QPSK | 38750 | 25RB#0 | VN | NT | 6.90 | 0.002987 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | QPSK | 38750 | 25RB#0 | VL | NT | -9.67 | -0.004186 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | QPSK | 38750 | 25RB#0 | VH | NT | -6.64 | -0.002874 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | 16QAM | 38750 | 25RB#0 | VN | NT | -6.92 | -0.002996 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | 16QAM | 38750 | 25RB#0 | VL | NT | -15.65 | -0.006775 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | 16QAM | 38750 | 25RB#0 | VH | NT | -14.53 | -0.006290 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | QPSK | 38775 | 25RB#0 | VN | NT | -3.39 | -0.001466 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | QPSK | 38775 | 25RB#0 | VL | NT | -12.32 | -0.005328 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | QPSK | 38775 | 25RB#0 | VH | NT | -15.06 | -0.006512 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | 16QAM | 38775 | 25RB#0 | VN | NT | -7.50 | -0.003243 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | 16QAM | 38775 | 25RB#0 | VL | NT | -8.98 | -0.003883 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | 16QAM | 38775 | 25RB#0 | VH | NT | -3.52 | -0.001522 | ±2.5 | PASS |

| | | | | | | | | | | |
|---------------|-------|-------|-------|--------|----|----|--------|-----------|------|------|
| -2315) | | | | | | | | | | |
| 40(2305-2315) | 10MHz | QPSK | 38750 | 50RB#0 | VN | NT | -12.59 | -0.005450 | ±2.5 | PASS |
| 40(2305-2315) | 10MHz | QPSK | 38750 | 50RB#0 | VL | NT | -9.77 | -0.004229 | ±2.5 | PASS |
| 40(2305-2315) | 10MHz | QPSK | 38750 | 50RB#0 | VH | NT | -9.41 | -0.004074 | ±2.5 | PASS |
| 40(2305-2315) | 10MHz | 16QAM | 38750 | 50RB#0 | VN | NT | -14.93 | -0.006463 | ±2.5 | PASS |
| 40(2305-2315) | 10MHz | 16QAM | 38750 | 50RB#0 | VL | NT | -11.33 | -0.004905 | ±2.5 | PASS |
| 40(2305-2315) | 10MHz | 16QAM | 38750 | 50RB#0 | VH | NT | -8.71 | -0.003771 | ±2.5 | PASS |

| Temperature | | | | | | | | | | |
|---------------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| 40(2305-2315) | 5MHz | QPSK | 38725 | 25RB#0 | NV | -30 | -8.40 | -0.003640 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | QPSK | 38725 | 25RB#0 | NV | -20 | -13.79 | -0.005976 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | QPSK | 38725 | 25RB#0 | NV | -10 | -8.25 | -0.003575 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | QPSK | 38725 | 25RB#0 | NV | 0 | -12.56 | -0.005443 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | QPSK | 38725 | 25RB#0 | NV | 10 | -11.34 | -0.004914 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | QPSK | 38725 | 25RB#0 | NV | 20 | -9.31 | -0.004035 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | QPSK | 38725 | 25RB#0 | NV | 30 | -9.13 | -0.003957 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | QPSK | 38725 | 25RB#0 | NV | 40 | -10.06 | -0.004360 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | QPSK | 38725 | 25RB#0 | NV | 50 | -13.50 | -0.005850 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | 16QAM | 38725 | 25RB#0 | NV | -30 | -9.28 | -0.004022 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | 16QAM | 38725 | 25RB#0 | NV | -20 | -9.81 | -0.004251 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | 16QAM | 38725 | 25RB#0 | NV | -10 | -12.76 | -0.005530 | ±2.5 | PASS |

| | | | | | | | | | | |
|---------------|------|-------|-------|--------|----|-----|--------|-----------|------|------|
| 40(2305-2315) | 5MHz | 16QAM | 38725 | 25RB#0 | NV | 0 | -7.10 | -0.003077 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | 16QAM | 38725 | 25RB#0 | NV | 10 | -12.42 | -0.005382 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | 16QAM | 38725 | 25RB#0 | NV | 20 | -11.37 | -0.004927 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | 16QAM | 38725 | 25RB#0 | NV | 30 | -13.68 | -0.005928 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | 16QAM | 38725 | 25RB#0 | NV | 40 | -10.76 | -0.004663 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | 16QAM | 38725 | 25RB#0 | NV | 50 | -12.53 | -0.005430 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | QPSK | 38750 | 25RB#0 | NV | -30 | -10.74 | -0.004649 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | QPSK | 38750 | 25RB#0 | NV | -20 | -8.54 | -0.003697 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | QPSK | 38750 | 25RB#0 | NV | -10 | -7.47 | -0.003234 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | QPSK | 38750 | 25RB#0 | NV | 0 | -9.83 | -0.004255 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | QPSK | 38750 | 25RB#0 | NV | 10 | -8.55 | -0.003701 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | QPSK | 38750 | 25RB#0 | NV | 20 | -3.23 | -0.001398 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | QPSK | 38750 | 25RB#0 | NV | 30 | -6.44 | -0.002788 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | QPSK | 38750 | 25RB#0 | NV | 40 | -13.09 | -0.005667 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | QPSK | 38750 | 25RB#0 | NV | 50 | -4.82 | -0.002087 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | 16QAM | 38750 | 25RB#0 | NV | -30 | -6.07 | -0.002628 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | 16QAM | 38750 | 25RB#0 | NV | -20 | -3.82 | -0.001654 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | 16QAM | 38750 | 25RB#0 | NV | -10 | -4.43 | -0.001918 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | 16QAM | 38750 | 25RB#0 | NV | 0 | -9.28 | -0.004017 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | 16QAM | 38750 | 25RB#0 | NV | 10 | -10.57 | -0.004576 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | 16QAM | 38750 | 25RB#0 | NV | 20 | -18.17 | -0.007866 | ±2.5 | PASS |

| | | | | | | | | | | |
|---------------|------|-------|-------|--------|----|-----|--------|-----------|------|------|
| 40(2305-2315) | 5MHz | 16QAM | 38750 | 25RB#0 | NV | 30 | -10.66 | -0.004615 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | 16QAM | 38750 | 25RB#0 | NV | 40 | -8.48 | -0.003671 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | 16QAM | 38750 | 25RB#0 | NV | 50 | -7.68 | -0.003325 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | QPSK | 38775 | 25RB#0 | NV | -30 | -13.68 | -0.005916 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | QPSK | 38775 | 25RB#0 | NV | -20 | -4.35 | -0.001881 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | QPSK | 38775 | 25RB#0 | NV | -10 | -9.11 | -0.003939 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | QPSK | 38775 | 25RB#0 | NV | 0 | -4.16 | -0.001799 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | QPSK | 38775 | 25RB#0 | NV | 10 | -9.26 | -0.004004 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | QPSK | 38775 | 25RB#0 | NV | 20 | -14.15 | -0.006119 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | QPSK | 38775 | 25RB#0 | NV | 30 | -6.38 | -0.002759 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | QPSK | 38775 | 25RB#0 | NV | 40 | -2.78 | -0.001202 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | QPSK | 38775 | 25RB#0 | NV | 50 | -20.28 | -0.008770 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | 16QAM | 38775 | 25RB#0 | NV | -30 | -3.62 | -0.001565 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | 16QAM | 38775 | 25RB#0 | NV | -20 | -10.86 | -0.004696 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | 16QAM | 38775 | 25RB#0 | NV | -10 | -3.89 | -0.001682 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | 16QAM | 38775 | 25RB#0 | NV | 0 | -6.07 | -0.002625 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | 16QAM | 38775 | 25RB#0 | NV | 10 | -6.55 | -0.002832 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | 16QAM | 38775 | 25RB#0 | NV | 20 | -17.48 | -0.007559 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | 16QAM | 38775 | 25RB#0 | NV | 30 | -5.55 | -0.002400 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | 16QAM | 38775 | 25RB#0 | NV | 40 | -5.44 | -0.002352 | ±2.5 | PASS |
| 40(2305-2315) | 5MHz | 16QAM | 38775 | 25RB#0 | NV | 50 | 4.98 | 0.002154 | ±2.5 | PASS |

| | | | | | | | | | | |
|---------------|-------|-------|-------|--------|----|-----|--------|-----------|------|------|
| 40(2305-2315) | 10MHz | QPSK | 38750 | 50RB#0 | NV | -30 | -9.48 | -0.004104 | ±2.5 | PASS |
| 40(2305-2315) | 10MHz | QPSK | 38750 | 50RB#0 | NV | -20 | -12.66 | -0.005481 | ±2.5 | PASS |
| 40(2305-2315) | 10MHz | QPSK | 38750 | 50RB#0 | NV | -10 | -10.03 | -0.004342 | ±2.5 | PASS |
| 40(2305-2315) | 10MHz | QPSK | 38750 | 50RB#0 | NV | 0 | -10.74 | -0.004649 | ±2.5 | PASS |
| 40(2305-2315) | 10MHz | QPSK | 38750 | 50RB#0 | NV | 10 | -11.52 | -0.004987 | ±2.5 | PASS |
| 40(2305-2315) | 10MHz | QPSK | 38750 | 50RB#0 | NV | 20 | -8.87 | -0.003840 | ±2.5 | PASS |
| 40(2305-2315) | 10MHz | QPSK | 38750 | 50RB#0 | NV | 30 | -7.67 | -0.003320 | ±2.5 | PASS |
| 40(2305-2315) | 10MHz | QPSK | 38750 | 50RB#0 | NV | 40 | -9.04 | -0.003913 | ±2.5 | PASS |
| 40(2305-2315) | 10MHz | QPSK | 38750 | 50RB#0 | NV | 50 | -8.77 | -0.003797 | ±2.5 | PASS |
| 40(2305-2315) | 10MHz | 16QAM | 38750 | 50RB#0 | NV | -30 | -10.39 | -0.004498 | ±2.5 | PASS |
| 40(2305-2315) | 10MHz | 16QAM | 38750 | 50RB#0 | NV | -20 | -4.61 | -0.001996 | ±2.5 | PASS |
| 40(2305-2315) | 10MHz | 16QAM | 38750 | 50RB#0 | NV | -10 | -6.81 | -0.002948 | ±2.5 | PASS |
| 40(2305-2315) | 10MHz | 16QAM | 38750 | 50RB#0 | NV | 0 | -7.10 | -0.003074 | ±2.5 | PASS |
| 40(2305-2315) | 10MHz | 16QAM | 38750 | 50RB#0 | NV | 10 | -7.27 | -0.003147 | ±2.5 | PASS |
| 40(2305-2315) | 10MHz | 16QAM | 38750 | 50RB#0 | NV | 20 | -7.78 | -0.003368 | ±2.5 | PASS |
| 40(2305-2315) | 10MHz | 16QAM | 38750 | 50RB#0 | NV | 30 | -8.41 | -0.003641 | ±2.5 | PASS |
| 40(2305-2315) | 10MHz | 16QAM | 38750 | 50RB#0 | NV | 40 | -9.14 | -0.003957 | ±2.5 | PASS |
| 40(2305-2315) | 10MHz | 16QAM | 38750 | 50RB#0 | NV | 50 | -14.09 | -0.006100 | ±2.5 | PASS |