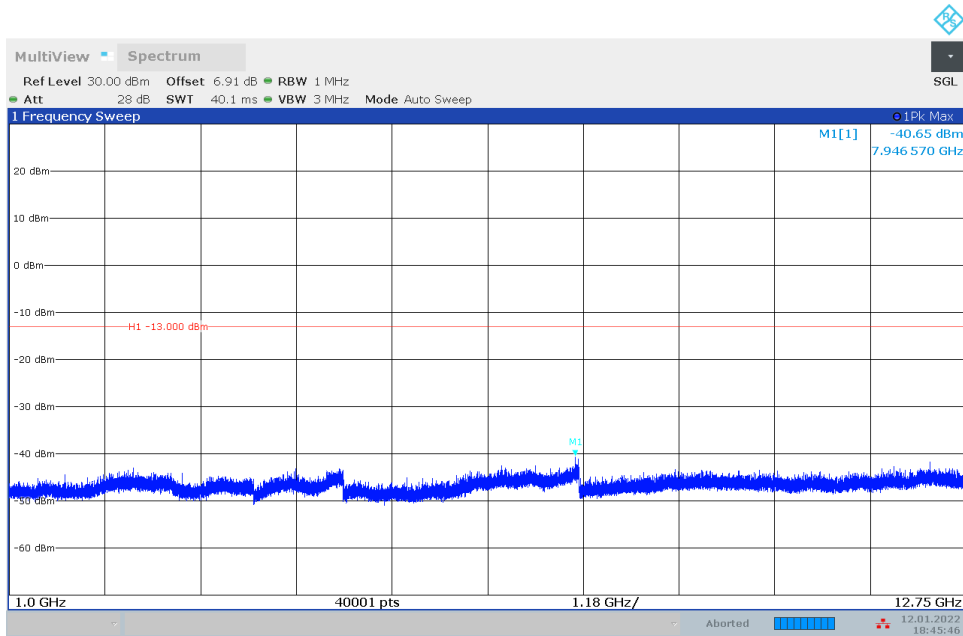
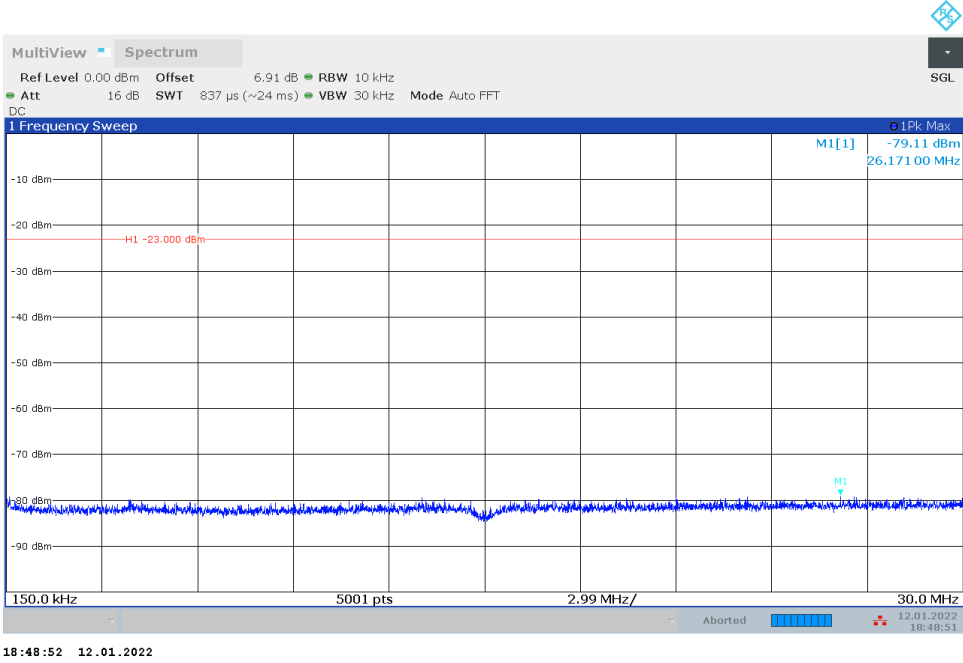
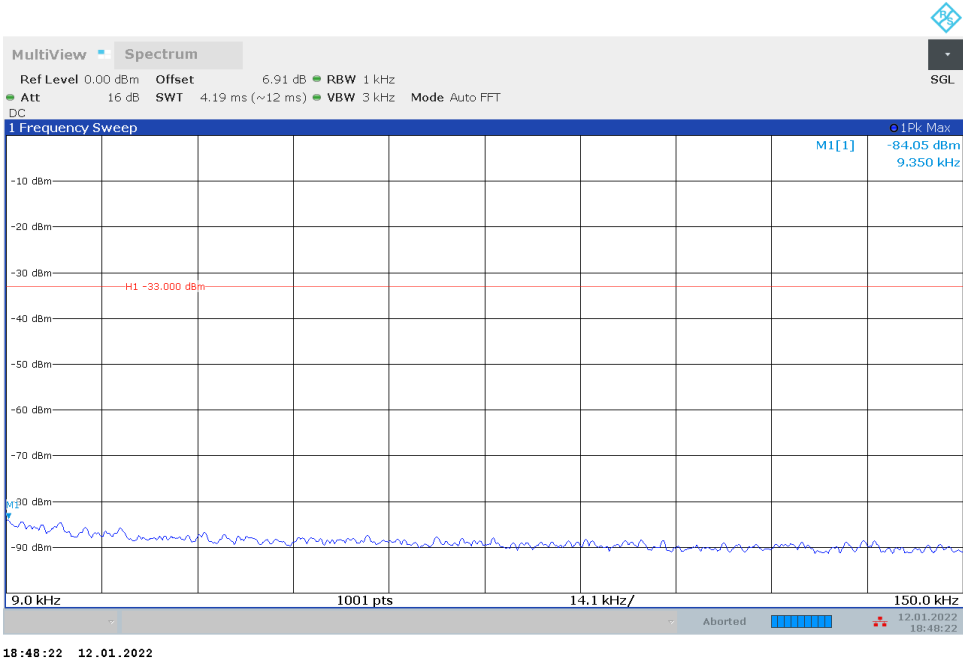


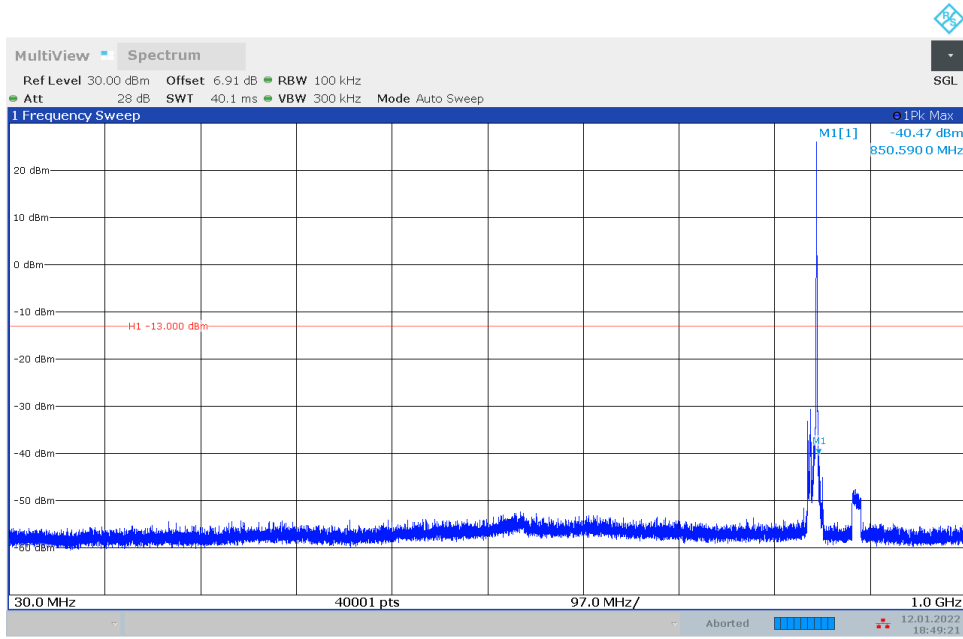
18:45:12 12.01.2022



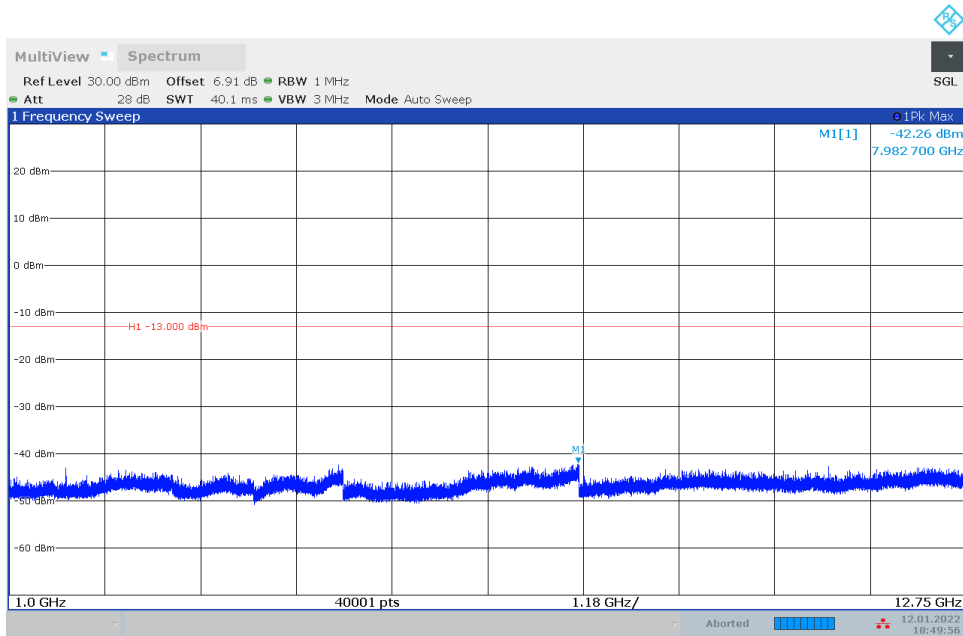
18:45:47 12.01.2022

6.2.53 BAND 5_TM2_10MHZ_HCH_RB1#49



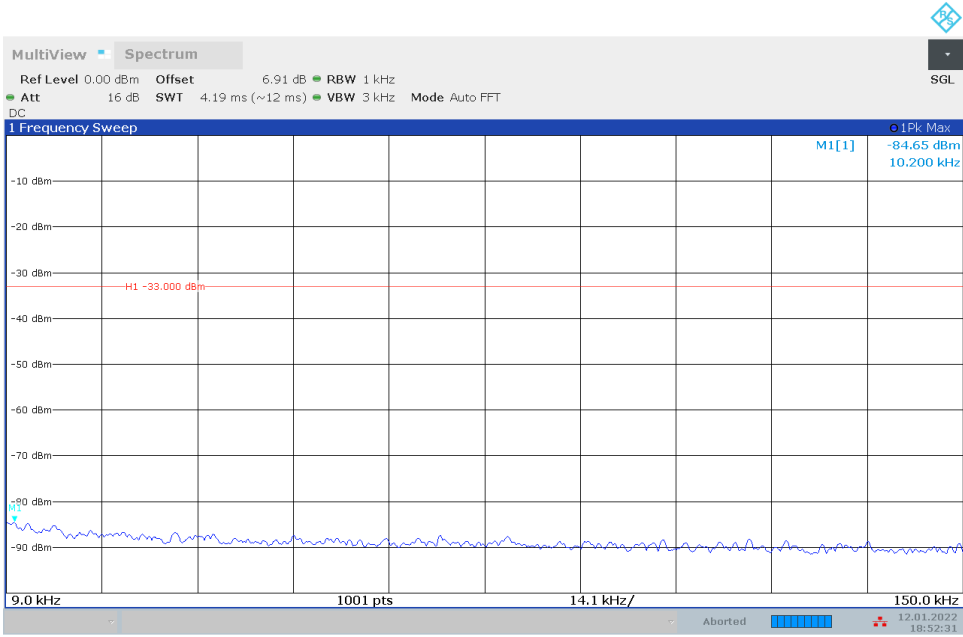


18:49:22 12.01.2022

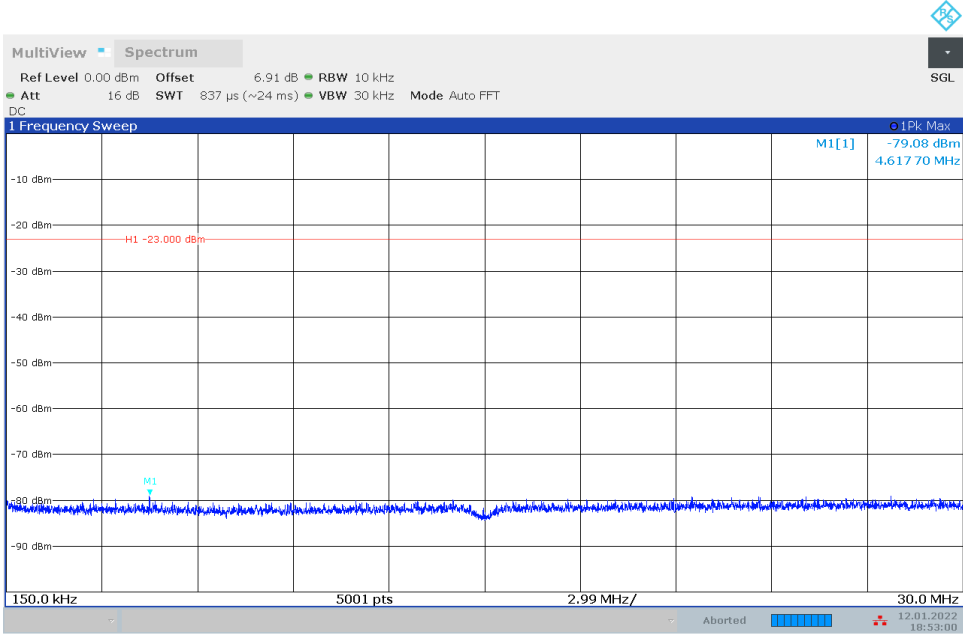


18:49:56 12.01.2022

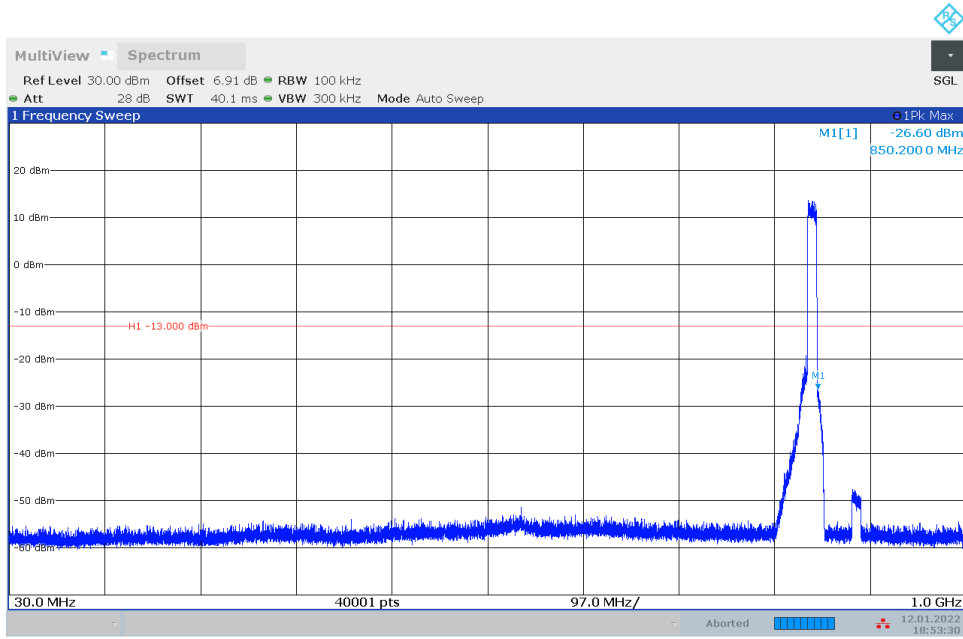
6.2.54 BAND 5_TM2_10MHZ_HCH_RB50#0



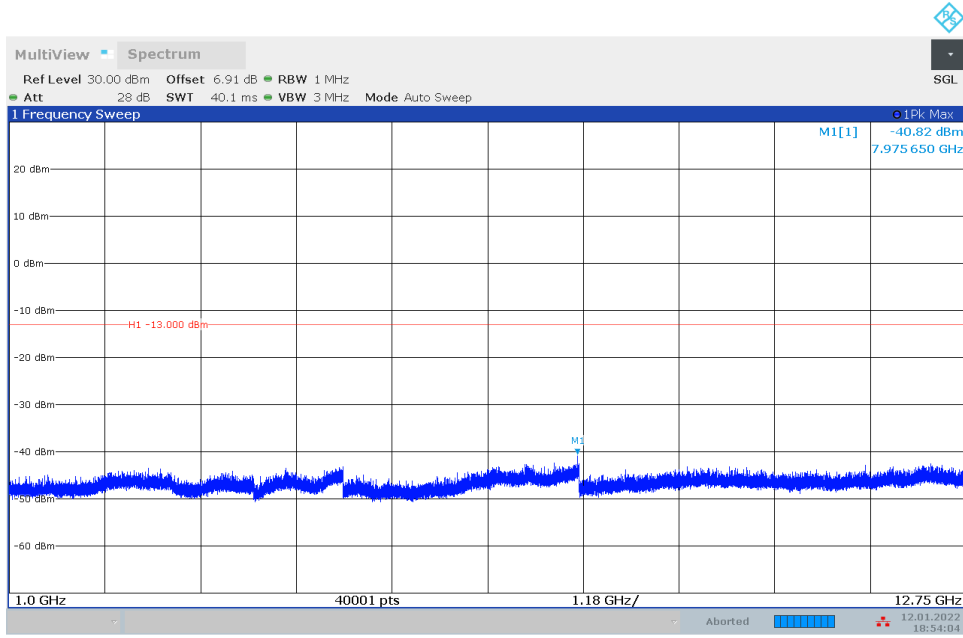
18:52:31 12.01.2022



18:53:01 12.01.2022



18:53:30 12.01.2022



18:54:05 12.01.2022

7. APPENDIX G - FREQUENCY STABILITY

7.1 TEST RESULTS

7.1.1 FREQUENCY ERROR VS. VOLTAGE

| Frequency Error vs. Voltage | | | | | | | | | | |
|-----------------------------|-----------|----------------|--------------|------------|------------|------------|------------------|-----------------------|---------|------|
| Test Band | Test Mode | Test Bandwidth | Test Channel | Modulation | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict | |
| Band 5 | TM1 | 1.4 | LCH | QPSK | TN | VH | -5.477 | -0.007 | PASS | |
| | | | | QPSK | TN | VN | -4.85 | -0.006 | PASS | |
| | | | | QPSK | TN | VL | 9.134 | 0.011 | PASS | |
| | | | MCH | QPSK | TN | VH | 9.994 | 0.012 | PASS | |
| | | | | QPSK | TN | VN | 10.575 | 0.013 | PASS | |
| | | | | QPSK | TN | VL | 9.476 | 0.011 | PASS | |
| | | | HCH | QPSK | TN | VH | 5.564 | 0.007 | PASS | |
| | | | | QPSK | TN | VN | 8.986 | 0.011 | PASS | |
| | | | | QPSK | TN | VL | -13.298 | -0.016 | PASS | |
| | | | 3 | LCH | QPSK | TN | VH | -6.688 | -0.008 | PASS |
| | | | | | QPSK | TN | VN | 14.043 | 0.017 | PASS |
| | | | | | QPSK | TN | VL | -10.325 | -0.013 | PASS |
| | | MCH | | QPSK | TN | VH | 3.153 | 0.004 | PASS | |
| | | | | QPSK | TN | VN | -7.086 | -0.008 | PASS | |
| | | | | QPSK | TN | VL | 4.736 | 0.006 | PASS | |
| | | HCH | | QPSK | TN | VH | -0.565 | -0.001 | PASS | |
| | | | | QPSK | TN | VN | 3.534 | 0.004 | PASS | |
| | | | | QPSK | TN | VL | 11.008 | 0.013 | PASS | |

| Frequency Error vs. Voltage | | | | | | | | | |
|-----------------------------|-----------|----------------|--------------|------------|------------|------------|------------------|-----------------------|---------|
| Test Band | Test Mode | Test Bandwidth | Test Channel | Modulation | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
| Band 5 | TM1 | 5 | LCH | QPSK | TN | VH | 3.869 | 0.005 | PASS |
| | | | | QPSK | TN | VN | 13.208 | 0.016 | PASS |
| | | | | QPSK | TN | VL | -0.144 | 0 | PASS |
| | | | MCH | QPSK | TN | VH | -4.018 | -0.005 | PASS |
| | | | | QPSK | TN | VN | 2.422 | 0.003 | PASS |
| | | | | QPSK | TN | VL | -2.612 | -0.003 | PASS |
| | | | HCH | QPSK | TN | VH | 8.6 | 0.01 | PASS |
| | | | | QPSK | TN | VN | -0.895 | -0.001 | PASS |
| | | | | QPSK | TN | VL | -2.261 | -0.003 | PASS |
| | | 10 | LCH | QPSK | TN | VH | 2.009 | 0.002 | PASS |
| | | | | QPSK | TN | VN | 1.23 | 0.001 | PASS |
| | | | | QPSK | TN | VL | 0.638 | 0.001 | PASS |
| | | | MCH | QPSK | TN | VH | -0.666 | -0.001 | PASS |
| | | | | QPSK | TN | VN | 3.631 | 0.004 | PASS |
| | | | | QPSK | TN | VL | -3.415 | -0.004 | PASS |
| | | | HCH | QPSK | TN | VH | 3.913 | 0.005 | PASS |
| | | | | QPSK | TN | VN | 4.255 | 0.005 | PASS |
| | | | | QPSK | TN | VL | 3.534 | 0.004 | PASS |

| Frequency Error vs. Voltage | | | | | | | | | |
|-----------------------------|-----------|----------------|--------------|------------|------------|------------|------------------|-----------------------|---------|
| Test Band | Test Mode | Test Bandwidth | Test Channel | Modulation | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
| Band 5 | TM2 | 1.4 | LCH | 16QAM | TN | VH | -8.412 | -0.01 | PASS |
| | | | | 16QAM | TN | VN | -2.254 | -0.003 | PASS |
| | | | | 16QAM | TN | VL | 14.352 | 0.017 | PASS |
| | | | MCH | 16QAM | TN | VH | 1.664 | 0.002 | PASS |
| | | | | 16QAM | TN | VN | 3.999 | 0.005 | PASS |
| | | | | 16QAM | TN | VL | 5.178 | 0.006 | PASS |
| | | | HCH | 16QAM | TN | VH | -29.471 | -0.035 | PASS |
| | | | | 16QAM | TN | VN | 7.331 | 0.009 | PASS |
| | | | | 16QAM | TN | VL | -9.332 | -0.011 | PASS |
| | | 3 | LCH | 16QAM | TN | VH | -1.567 | -0.002 | PASS |
| | | | | 16QAM | TN | VN | 0.302 | 0 | PASS |
| | | | | 16QAM | TN | VL | -5.536 | -0.007 | PASS |
| | | | MCH | 16QAM | TN | VH | -5.433 | -0.006 | PASS |
| | | | | 16QAM | TN | VN | -5.704 | -0.007 | PASS |
| | | | | 16QAM | TN | VL | 4.759 | 0.006 | PASS |
| | | | HCH | 16QAM | TN | VH | 13.41 | 0.016 | PASS |
| | | | | 16QAM | TN | VN | -8.694 | -0.01 | PASS |
| | | | | 16QAM | TN | VL | 1.672 | 0.002 | PASS |
| | | 5 | LCH | 16QAM | TN | VH | 1.944 | 0.002 | PASS |
| | | | | 16QAM | TN | VN | -4.205 | -0.005 | PASS |
| | | | | 16QAM | TN | VL | -4.762 | -0.006 | PASS |
| | | | MCH | 16QAM | TN | VH | 6.499 | 0.008 | PASS |
| | | | | 16QAM | TN | VN | 0.495 | 0.001 | PASS |
| | | | | 16QAM | TN | VL | -7.335 | -0.009 | PASS |
| | | | HCH | 16QAM | TN | VH | 1.561 | 0.002 | PASS |
| | | | | 16QAM | TN | VN | 0.229 | 0 | PASS |
| | | | | 16QAM | TN | VL | 11.155 | 0.013 | PASS |
| | | 10 | LCH | 16QAM | TN | VH | -2.086 | -0.003 | PASS |
| | | | | 16QAM | TN | VN | -1.996 | -0.002 | PASS |
| | | | | 16QAM | TN | VL | 1.688 | 0.002 | PASS |
| | | | MCH | 16QAM | TN | VH | -2.44 | -0.003 | PASS |
| | | | | 16QAM | TN | VN | -0.552 | -0.001 | PASS |
| | | | | 16QAM | TN | VL | 1.348 | 0.002 | PASS |
| | | | HCH | 16QAM | TN | VH | 2.901 | 0.003 | PASS |
| | | | | 16QAM | TN | VN | 1.573 | 0.002 | PASS |
| | | | | 16QAM | TN | VL | 3.635 | 0.004 | PASS |

7.1.2 FREQUENCY ERROR VS. TEMPERATURE

| Frequency Error vs. Temperature | | | | | | | | | |
|---------------------------------|-----------|----------------|--------------|------------|------------|------------|------------------|-----------------------|---------|
| Test Band | Test Mode | Test Bandwidth | Test Channel | Modulation | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
| Band 5 | TM1 | 1.4 | LCH | QPSK | VN | -30 | 9.582 | 0.012 | PASS |
| | | | | QPSK | VN | -20 | 11.893 | 0.014 | PASS |
| | | | | QPSK | VN | -10 | 2.829 | 0.003 | PASS |
| | | | | QPSK | VN | 0 | 9.954 | 0.012 | PASS |
| | | | | QPSK | VN | 10 | -3.262 | -0.004 | PASS |
| | | | | QPSK | VN | 20 | 4.239 | 0.005 | PASS |
| | | | | QPSK | VN | 30 | -11.548 | -0.014 | PASS |
| | | | | QPSK | VN | 40 | -4.83 | -0.006 | PASS |
| | | | | QPSK | VN | 50 | -1.987 | -0.002 | PASS |
| | | | MCH | QPSK | VN | -30 | -15.809 | -0.019 | PASS |
| | | | | QPSK | VN | -20 | -20.559 | -0.025 | PASS |
| | | | | QPSK | VN | -10 | -6.994 | -0.008 | PASS |
| | | | | QPSK | VN | 0 | 9.042 | 0.011 | PASS |
| | | | | QPSK | VN | 10 | 7.901 | 0.009 | PASS |
| | | | | QPSK | VN | 20 | -8.732 | -0.01 | PASS |
| | | | | QPSK | VN | 30 | -3.361 | -0.004 | PASS |
| | | | | QPSK | VN | 40 | 0.92 | 0.001 | PASS |
| | | | | QPSK | VN | 50 | -9.097 | -0.011 | PASS |
| | | | HCH | QPSK | VN | -30 | -28.346 | -0.033 | PASS |
| | | | | QPSK | VN | -20 | -10.157 | -0.012 | PASS |
| | | | | QPSK | VN | -10 | -6.86 | -0.008 | PASS |
| | | | | QPSK | VN | 0 | -1.908 | -0.002 | PASS |
| | | | | QPSK | VN | 10 | -13.163 | -0.016 | PASS |
| | | | | QPSK | VN | 20 | 2.445 | 0.003 | PASS |
| | | | | QPSK | VN | 30 | -5.297 | -0.006 | PASS |
| | | | | QPSK | VN | 40 | -1.715 | -0.002 | PASS |
| | | | | QPSK | VN | 50 | -4.774 | -0.006 | PASS |

| Frequency Error vs. Voltage | | | | | | | | | |
|-----------------------------|-----------|----------------|--------------|------------|------------|------------|------------------|-----------------------|---------|
| Test Band | Test Mode | Test Bandwidth | Test Channel | Modulation | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
| Band 5 | TM1 | 3 | LCH | QPSK | VN | -30 | -3.909 | -0.005 | PASS |
| | | | | QPSK | VN | -20 | 6.834 | 0.008 | PASS |
| | | | | QPSK | VN | -10 | 14.744 | 0.018 | PASS |
| | | | | QPSK | VN | 0 | -0.024 | 0 | PASS |
| | | | | QPSK | VN | 10 | -1.284 | -0.002 | PASS |
| | | | | QPSK | VN | 20 | -3.059 | -0.004 | PASS |
| | | | | QPSK | VN | 30 | 3.238 | 0.004 | PASS |
| | | | | QPSK | VN | 40 | 3.592 | 0.004 | PASS |
| | | | MCH | QPSK | VN | 50 | 4.91 | 0.006 | PASS |
| | | | | QPSK | VN | -30 | -10.013 | -0.012 | PASS |
| | | | | QPSK | VN | -20 | -2.01 | -0.002 | PASS |
| | | | | QPSK | VN | -10 | 1.577 | 0.002 | PASS |
| | | | | QPSK | VN | 0 | -0.985 | -0.001 | PASS |
| | | | | QPSK | VN | 10 | 4.547 | 0.005 | PASS |
| | | | | QPSK | VN | 20 | 3.278 | 0.004 | PASS |
| | | | | QPSK | VN | 30 | -9.091 | -0.011 | PASS |
| | | | HCH | QPSK | VN | 40 | 2.362 | 0.003 | PASS |
| | | | | QPSK | VN | 50 | 1.657 | 0.002 | PASS |
| | | | | QPSK | VN | -30 | 0.396 | 0 | PASS |
| | | | | QPSK | VN | -20 | 2.73 | 0.003 | PASS |
| | | | | QPSK | VN | -10 | 10.273 | 0.012 | PASS |
| | | | | QPSK | VN | 0 | -13.635 | -0.016 | PASS |
| | | | | QPSK | VN | 10 | -0.896 | -0.001 | PASS |
| | | | | QPSK | VN | 20 | -7.214 | -0.009 | PASS |
| | | | | QPSK | VN | 30 | 11.121 | 0.013 | PASS |
| | | | | QPSK | VN | 40 | -4.661 | -0.005 | PASS |
| | | | | QPSK | VN | 50 | 2.193 | 0.003 | PASS |

| Frequency Error vs. Voltage | | | | | | | | | |
|-----------------------------|-----------|----------------|--------------|------------|------------|------------|------------------|-----------------------|---------|
| Test Band | Test Mode | Test Bandwidth | Test Channel | Modulation | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
| Band 5 | TM1 | 5 | LCH | QPSK | VN | -30 | -0.901 | -0.001 | PASS |
| | | | | QPSK | VN | -20 | -5.154 | -0.006 | PASS |
| | | | | QPSK | VN | -10 | -0.548 | -0.001 | PASS |
| | | | | QPSK | VN | 0 | -0.277 | 0 | PASS |
| | | | | QPSK | VN | 10 | 10.634 | 0.013 | PASS |
| | | | | QPSK | VN | 20 | -2.076 | -0.003 | PASS |
| | | | | QPSK | VN | 30 | 1.164 | 0.001 | PASS |
| | | | | QPSK | VN | 40 | -1.96 | -0.002 | PASS |
| | | | MCH | QPSK | VN | 50 | 1.66 | 0.002 | PASS |
| | | | | QPSK | VN | -30 | 4.131 | 0.005 | PASS |
| | | | | QPSK | VN | -20 | 1.997 | 0.002 | PASS |
| | | | | QPSK | VN | -10 | 2.87 | 0.003 | PASS |
| | | | | QPSK | VN | 0 | 2.81 | 0.003 | PASS |
| | | | | QPSK | VN | 10 | 5.258 | 0.006 | PASS |
| | | | | QPSK | VN | 20 | 2.349 | 0.003 | PASS |
| | | | | QPSK | VN | 30 | -3.393 | -0.004 | PASS |
| | | | HCH | QPSK | VN | 40 | 4.938 | 0.006 | PASS |
| | | | | QPSK | VN | 50 | 1.673 | 0.002 | PASS |
| | | | | QPSK | VN | -30 | 15.272 | 0.018 | PASS |
| | | | | QPSK | VN | -20 | 4.683 | 0.006 | PASS |
| | | | | QPSK | VN | -10 | 2.977 | 0.004 | PASS |
| | | | | QPSK | VN | 0 | -7.149 | -0.008 | PASS |
| | | | | QPSK | VN | 10 | 0.477 | 0.001 | PASS |
| | | | | QPSK | VN | 20 | -0.711 | -0.001 | PASS |
| | | | QPSK | VN | 30 | -5.501 | -0.006 | PASS | |
| | | | QPSK | VN | 40 | -4.189 | -0.005 | PASS | |
| | | | QPSK | VN | 50 | -0.518 | -0.001 | PASS | |

| Frequency Error vs. Voltage | | | | | | | | | |
|-----------------------------|-----------|----------------|--------------|------------|------------|------------|------------------|-----------------------|---------|
| Test Band | Test Mode | Test Bandwidth | Test Channel | Modulation | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
| Band 5 | TM1 | 10 | LCH | QPSK | VN | -30 | 3.601 | 0.004 | PASS |
| | | | | QPSK | VN | -20 | 2.416 | 0.003 | PASS |
| | | | | QPSK | VN | -10 | 0.39 | 0 | PASS |
| | | | | QPSK | VN | 0 | 1.263 | 0.002 | PASS |
| | | | | QPSK | VN | 10 | 3.317 | 0.004 | PASS |
| | | | | QPSK | VN | 20 | -1.245 | -0.002 | PASS |
| | | | | QPSK | VN | 30 | -1.491 | -0.002 | PASS |
| | | | | QPSK | VN | 40 | -1.311 | -0.002 | PASS |
| | | | MCH | QPSK | VN | 50 | 1.032 | 0.001 | PASS |
| | | | | QPSK | VN | -30 | -2.238 | -0.003 | PASS |
| | | | | QPSK | VN | -20 | -0.849 | -0.001 | PASS |
| | | | | QPSK | VN | -10 | 1.14 | 0.001 | PASS |
| | | | | QPSK | VN | 0 | -0.132 | 0 | PASS |
| | | | | QPSK | VN | 10 | -1.019 | -0.001 | PASS |
| | | | | QPSK | VN | 20 | -2.08 | -0.002 | PASS |
| | | | | QPSK | VN | 30 | 0.2 | 0 | PASS |
| | | | HCH | QPSK | VN | 40 | -4.916 | -0.006 | PASS |
| | | | | QPSK | VN | 50 | -5.855 | -0.007 | PASS |
| | | | | QPSK | VN | -30 | 0.594 | 0.001 | PASS |
| | | | | QPSK | VN | -20 | 2.133 | 0.003 | PASS |
| | | | | QPSK | VN | -10 | 1.231 | 0.001 | PASS |
| | | | | QPSK | VN | 0 | -0.679 | -0.001 | PASS |
| | | | | QPSK | VN | 10 | -1.613 | -0.002 | PASS |
| | | | | QPSK | VN | 20 | 6.791 | 0.008 | PASS |
| | | | QPSK | VN | 30 | -12.121 | -0.014 | PASS | |
| | | | QPSK | VN | 40 | 0.708 | 0.001 | PASS | |
| | | | QPSK | VN | 50 | 4.32 | 0.005 | PASS | |

| Frequency Error vs. Voltage | | | | | | | | | |
|-----------------------------|-----------|----------------|--------------|------------|------------|------------|------------------|-----------------------|---------|
| Test Band | Test Mode | Test Bandwidth | Test Channel | Modulation | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
| Band 5 | TM2 | 1.4 | LCH | 16QAM | VN | -30 | 9.347 | 0.011 | PASS |
| | | | | 16QAM | VN | -20 | -3.92 | -0.005 | PASS |
| | | | | 16QAM | VN | -10 | 5.476 | 0.007 | PASS |
| | | | | 16QAM | VN | 0 | -0.105 | 0 | PASS |
| | | | | 16QAM | VN | 10 | 13.549 | 0.016 | PASS |
| | | | | 16QAM | VN | 20 | -5.565 | -0.007 | PASS |
| | | | | 16QAM | VN | 30 | 17.263 | 0.021 | PASS |
| | | | | 16QAM | VN | 40 | 26.756 | 0.032 | PASS |
| | | | MCH | 16QAM | VN | 50 | 0.522 | 0.001 | PASS |
| | | | | 16QAM | VN | -30 | -3.873 | -0.005 | PASS |
| | | | | 16QAM | VN | -20 | 0.273 | 0 | PASS |
| | | | | 16QAM | VN | -10 | 9.075 | 0.011 | PASS |
| | | | | 16QAM | VN | 0 | -13.685 | -0.016 | PASS |
| | | | | 16QAM | VN | 10 | 5.333 | 0.006 | PASS |
| | | | | 16QAM | VN | 20 | -17.596 | -0.021 | PASS |
| | | | | 16QAM | VN | 30 | 11.011 | 0.013 | PASS |
| | | | HCH | 16QAM | VN | 40 | -2.877 | -0.003 | PASS |
| | | | | 16QAM | VN | 50 | -18.607 | -0.022 | PASS |
| | | | | 16QAM | VN | -30 | -30.756 | -0.036 | PASS |
| | | | | 16QAM | VN | -20 | 2.769 | 0.003 | PASS |
| | | | | 16QAM | VN | -10 | -70.532 | -0.083 | PASS |
| | | | | 16QAM | VN | 0 | 2.161 | 0.003 | PASS |
| | | | | 16QAM | VN | 10 | 5.856 | 0.007 | PASS |
| | | | | 16QAM | VN | 20 | 14.368 | 0.017 | PASS |
| | | | 16QAM | VN | 30 | 13.176 | 0.016 | PASS | |
| | | | 16QAM | VN | 40 | 0.499 | 0.001 | PASS | |
| | | | 16QAM | VN | 50 | -1.634 | -0.002 | PASS | |

| Frequency Error vs. Voltage | | | | | | | | | |
|-----------------------------|-----------|----------------|--------------|------------|------------|------------|------------------|-----------------------|---------|
| Test Band | Test Mode | Test Bandwidth | Test Channel | Modulation | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
| Band 5 | TM2 | 3 | LCH | 16QAM | VN | -30 | 5.334 | 0.006 | PASS |
| | | | | 16QAM | VN | -20 | 5.132 | 0.006 | PASS |
| | | | | 16QAM | VN | -10 | 7.68 | 0.009 | PASS |
| | | | | 16QAM | VN | 0 | 1.388 | 0.002 | PASS |
| | | | | 16QAM | VN | 10 | -0.336 | 0 | PASS |
| | | | | 16QAM | VN | 20 | -1.277 | -0.002 | PASS |
| | | | | 16QAM | VN | 30 | 9.319 | 0.011 | PASS |
| | | | | 16QAM | VN | 40 | 3.691 | 0.004 | PASS |
| | | | | 16QAM | VN | 50 | 10.186 | 0.012 | PASS |
| | | | MCH | 16QAM | VN | -30 | 3.371 | 0.004 | PASS |
| | | | | 16QAM | VN | -20 | 2.328 | 0.003 | PASS |
| | | | | 16QAM | VN | -10 | 7.297 | 0.009 | PASS |
| | | | | 16QAM | VN | 0 | -4.428 | -0.005 | PASS |
| | | | | 16QAM | VN | 10 | 2.178 | 0.003 | PASS |
| | | | | 16QAM | VN | 20 | -2.219 | -0.003 | PASS |
| | | | | 16QAM | VN | 30 | 0.747 | 0.001 | PASS |
| | | | | 16QAM | VN | 40 | 3.512 | 0.004 | PASS |
| | | | | 16QAM | VN | 50 | 4.406 | 0.005 | PASS |
| | | | HCH | 16QAM | VN | -30 | 2.283 | 0.003 | PASS |
| | | | | 16QAM | VN | -20 | 0.334 | 0 | PASS |
| | | | | 16QAM | VN | -10 | -2.959 | -0.003 | PASS |
| | | | | 16QAM | VN | 0 | 7.356 | 0.009 | PASS |
| | | | | 16QAM | VN | 10 | -1.43 | -0.002 | PASS |
| | | | | 16QAM | VN | 20 | 19.811 | 0.023 | PASS |
| | | | | 16QAM | VN | 30 | -1.379 | -0.002 | PASS |
| | | | | 16QAM | VN | 40 | -10.112 | -0.012 | PASS |
| | | | | 16QAM | VN | 50 | -6.505 | -0.008 | PASS |

| Frequency Error vs. Voltage | | | | | | | | | |
|-----------------------------|-----------|----------------|--------------|------------|------------|------------|------------------|-----------------------|---------|
| Test Band | Test Mode | Test Bandwidth | Test Channel | Modulation | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
| Band 5 | TM2 | 5 | LCH | 16QAM | VN | -30 | 7.313 | 0.009 | PASS |
| | | | | 16QAM | VN | -20 | -4.585 | -0.006 | PASS |
| | | | | 16QAM | VN | -10 | -5.045 | -0.006 | PASS |
| | | | | 16QAM | VN | 0 | 3.161 | 0.004 | PASS |
| | | | | 16QAM | VN | 10 | 2.735 | 0.003 | PASS |
| | | | | 16QAM | VN | 20 | -4.262 | -0.005 | PASS |
| | | | | 16QAM | VN | 30 | -2.307 | -0.003 | PASS |
| | | | | 16QAM | VN | 40 | 10.104 | 0.012 | PASS |
| | | | MCH | 16QAM | VN | 50 | -9.285 | -0.011 | PASS |
| | | | | 16QAM | VN | -30 | 5.051 | 0.006 | PASS |
| | | | | 16QAM | VN | -20 | -2.199 | -0.003 | PASS |
| | | | | 16QAM | VN | -10 | 2.098 | 0.003 | PASS |
| | | | | 16QAM | VN | 0 | 4.258 | 0.005 | PASS |
| | | | | 16QAM | VN | 10 | 3.773 | 0.005 | PASS |
| | | | | 16QAM | VN | 20 | 7.607 | 0.009 | PASS |
| | | | | 16QAM | VN | 30 | 3.362 | 0.004 | PASS |
| | | | HCH | 16QAM | VN | 40 | 1.287 | 0.002 | PASS |
| | | | | 16QAM | VN | 50 | -2.023 | -0.002 | PASS |
| | | | | 16QAM | VN | -30 | 0.365 | 0 | PASS |
| | | | | 16QAM | VN | -20 | 7.096 | 0.008 | PASS |
| | | | | 16QAM | VN | -10 | 8.84 | 0.01 | PASS |
| | | | | 16QAM | VN | 0 | 3.394 | 0.004 | PASS |
| | | | | 16QAM | VN | 10 | 4.715 | 0.006 | PASS |
| | | | | 16QAM | VN | 20 | 1.842 | 0.002 | PASS |
| | | | 16QAM | VN | 30 | -3.806 | -0.004 | PASS | |
| | | | 16QAM | VN | 40 | 10.896 | 0.013 | PASS | |
| | | | 16QAM | VN | 50 | 2.852 | 0.003 | PASS | |

| Frequency Error vs. Voltage | | | | | | | | | |
|-----------------------------|-----------|----------------|--------------|------------|------------|------------|------------------|-----------------------|---------|
| Test Band | Test Mode | Test Bandwidth | Test Channel | Modulation | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
| Band 5 | TM2 | 10 | LCH | 16QAM | VN | -30 | 2.58 | 0.003 | PASS |
| | | | | 16QAM | VN | -20 | -0.588 | -0.001 | PASS |
| | | | | 16QAM | VN | -10 | 2.578 | 0.003 | PASS |
| | | | | 16QAM | VN | 0 | 3.359 | 0.004 | PASS |
| | | | | 16QAM | VN | 10 | -0.09 | 0 | PASS |
| | | | | 16QAM | VN | 20 | 4.841 | 0.006 | PASS |
| | | | | 16QAM | VN | 30 | -0.749 | -0.001 | PASS |
| | | | | 16QAM | VN | 40 | 4.516 | 0.005 | PASS |
| | | | MCH | 16QAM | VN | 50 | 4.6 | 0.006 | PASS |
| | | | | 16QAM | VN | -30 | -2.531 | -0.003 | PASS |
| | | | | 16QAM | VN | -20 | -3.15 | -0.004 | PASS |
| | | | | 16QAM | VN | -10 | -1.67 | -0.002 | PASS |
| | | | | 16QAM | VN | 0 | -8.805 | -0.011 | PASS |
| | | | | 16QAM | VN | 10 | -2.781 | -0.003 | PASS |
| | | | | 16QAM | VN | 20 | 0.747 | 0.001 | PASS |
| | | | | 16QAM | VN | 30 | -4.38 | -0.005 | PASS |
| | | | HCH | 16QAM | VN | 40 | -7.141 | -0.009 | PASS |
| | | | | 16QAM | VN | 50 | 4.802 | 0.006 | PASS |
| | | | | 16QAM | VN | -30 | 9.082 | 0.011 | PASS |
| | | | | 16QAM | VN | -20 | -1.058 | -0.001 | PASS |
| | | | | 16QAM | VN | -10 | 3.967 | 0.005 | PASS |
| | | | | 16QAM | VN | 0 | -0.847 | -0.001 | PASS |
| | | | | 16QAM | VN | 10 | 5.954 | 0.007 | PASS |
| | | | | 16QAM | VN | 20 | 0.232 | 0 | PASS |
| | | | 16QAM | VN | 30 | -0.805 | -0.001 | PASS | |
| | | | 16QAM | VN | 40 | 0.918 | 0.001 | PASS | |
| | | | 16QAM | VN | 50 | 2.712 | 0.003 | PASS | |

End of Test Report