

1. Frequency Stability

1.1 B2_1.4MHz

1.1.1 Test Result

| Band: 2 / Bandwidth: 1.4MHz | | | | | | | | | |
|-----------------------------|-----------------|---------------|---------|-------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 1850.7 | 6 | 0 | 20 | 3.3 | -1.559 | -0.0008 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -35.677 | -0.0193 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -39.940 | -0.0216 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -40.827 | -0.0221 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -40.913 | -0.0221 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -29.426 | -0.0159 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -32.330 | -0.0175 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -44.646 | -0.0241 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -43.058 | -0.0233 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -34.847 | -0.0188 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | -25.063 | -0.0135 | -2.5 to 2.5 | Pass | | | |
| | 1880 | 6 | 0 | 20 | 3.3 | -31.886 | -0.0170 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -34.590 | -0.0184 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -8.926 | -0.0047 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -10.514 | -0.0056 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -26.121 | -0.0139 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -46.234 | -0.0246 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | 1.230 | 0.0007 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -14.606 | -0.0078 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -21.529 | -0.0115 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -24.662 | -0.0131 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | -16.494 | -0.0088 | -2.5 to 2.5 | Pass | | | |
| | 1909.3 | 6 | 0 | 20 | 3.3 | 8.912 | 0.0047 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -27.924 | -0.0146 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -20.885 | -0.0109 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -25.578 | -0.0134 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -26.665 | -0.0140 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -29.211 | -0.0153 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -31.729 | -0.0166 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -16.422 | -0.0086 | -2.5 to 2.5 | Pass |
| 30 | | | | 3.6 | -39.368 | -0.0206 | -2.5 to 2.5 | Pass | |
| 40 | | | | 3.6 | -12.903 | -0.0068 | -2.5 to 2.5 | Pass | |
| 50 | 3.6 | -28.710 | -0.0150 | -2.5 to 2.5 | Pass | | | | |
| 16QAM | 1850.7 | 6 | 0 | 20 | 3.3 | -37.937 | -0.0205 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -18.024 | -0.0097 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -36.321 | -0.0196 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -30.026 | -0.0162 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -26.650 | -0.0144 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -37.236 | -0.0201 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -23.746 | -0.0128 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -23.947 | -0.0129 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -34.418 | -0.0186 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -39.411 | -0.0213 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | -15.049 | -0.0081 | -2.5 to 2.5 | Pass | | | |
| | 1880 | 6 | 0 | 20 | 3.3 | -29.225 | -0.0155 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -10.214 | -0.0054 | -2.5 to 2.5 | Pass |

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| | | | | | 4.2 | -18.182 | -0.0097 | -2.5 to 2.5 | Pass | | | |
| | | | | -30 | 3.6 | -11.001 | -0.0059 | -2.5 to 2.5 | Pass | | | |
| | | | | -20 | 3.6 | -17.266 | -0.0092 | -2.5 to 2.5 | Pass | | | |
| | | | | -10 | 3.6 | -17.481 | -0.0093 | -2.5 to 2.5 | Pass | | | |
| | | | | 0 | 3.6 | -6.824 | -0.0036 | -2.5 to 2.5 | Pass | | | |
| | | | | 10 | 3.6 | 8.397 | 0.0045 | -2.5 to 2.5 | Pass | | | |
| | | | | 30 | 3.6 | -31.686 | -0.0169 | -2.5 to 2.5 | Pass | | | |
| | | | | 40 | 3.6 | -41.184 | -0.0219 | -2.5 to 2.5 | Pass | | | |
| | | | | 50 | 3.6 | -15.821 | -0.0084 | -2.5 to 2.5 | Pass | | | |
| | 1909.3 | 6 | 0 | 20 | 3.3 | -39.310 | -0.0206 | -2.5 to 2.5 | Pass | | | |
| | | | | | | | | 3.6 | -44.975 | -0.0236 | -2.5 to 2.5 | Pass |
| | | | | | | | | 4.2 | -38.524 | -0.0202 | -2.5 to 2.5 | Pass |
| | | | | | | | -30 | 3.6 | -31.729 | -0.0166 | -2.5 to 2.5 | Pass |
| | | | | | | | -20 | 3.6 | -30.127 | -0.0158 | -2.5 to 2.5 | Pass |
| | | | | | | | -10 | 3.6 | -1.845 | -0.0010 | -2.5 to 2.5 | Pass |
| | | | | | | | 0 | 3.6 | -34.060 | -0.0178 | -2.5 to 2.5 | Pass |
| | | | | | | | 10 | 3.6 | -33.102 | -0.0173 | -2.5 to 2.5 | Pass |
| | | | | | | | 30 | 3.6 | -0.544 | -0.0003 | -2.5 to 2.5 | Pass |
| | | | | | | | 40 | 3.6 | -33.417 | -0.0175 | -2.5 to 2.5 | Pass |
| | | | | | | | 50 | 3.6 | -24.576 | -0.0129 | -2.5 to 2.5 | Pass |

1.2 B2_3MHz

1.2.1 Test Result

| Band: 2 / Bandwidth: 3MHz | | | | | | | | | | | | | | | |
|---------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|-------------|---------|-------------|-------------|---------|-------------|------|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict | | | | | | |
| | | Size | Offset | | | | Result | Limit | | | | | | | |
| QPSK | 1851.5 | 15 | 0 | 20 | 3.3 | -18.110 | -0.0098 | -2.5 to 2.5 | Pass | | | | | | |
| | | | | | | 3.6 | -33.245 | -0.0180 | -2.5 to 2.5 | Pass | | | | | |
| | | | | | | 4.2 | -32.129 | -0.0174 | -2.5 to 2.5 | Pass | | | | | |
| | | | | | -30 | 3.6 | -36.235 | -0.0196 | -2.5 to 2.5 | Pass | | | | | |
| | | | | | -20 | 3.6 | -19.026 | -0.0103 | -2.5 to 2.5 | Pass | | | | | |
| | | | | | -10 | 3.6 | -20.399 | -0.0110 | -2.5 to 2.5 | Pass | | | | | |
| | | | | | 0 | 3.6 | -38.738 | -0.0209 | -2.5 to 2.5 | Pass | | | | | |
| | | | | | 10 | 3.6 | -27.065 | -0.0146 | -2.5 to 2.5 | Pass | | | | | |
| | | | | | 30 | 3.6 | -36.206 | -0.0196 | -2.5 to 2.5 | Pass | | | | | |
| | | | | | 40 | 3.6 | -47.565 | -0.0257 | -2.5 to 2.5 | Pass | | | | | |
| | | | | | 50 | 3.6 | -24.505 | -0.0132 | -2.5 to 2.5 | Pass | | | | | |
| | | | | | 1880 | 15 | 0 | 20 | 3.3 | -1.717 | -0.0009 | -2.5 to 2.5 | Pass | | |
| | | | | | | | | | | | 3.6 | -12.031 | -0.0064 | -2.5 to 2.5 | Pass |
| | | | | | | | | | | | 4.2 | -26.836 | -0.0143 | -2.5 to 2.5 | Pass |
| | | | | | | | | | | -30 | 3.6 | 6.080 | 0.0032 | -2.5 to 2.5 | Pass |
| | | | | -20 | | | | 3.6 | -11.730 | -0.0062 | -2.5 to 2.5 | Pass | | | |
| | | | | -10 | | | | 3.6 | -30.713 | -0.0163 | -2.5 to 2.5 | Pass | | | |
| | | | | 0 | | | | 3.6 | -41.800 | -0.0222 | -2.5 to 2.5 | Pass | | | |
| | | | | 10 | | | | 3.6 | -14.391 | -0.0077 | -2.5 to 2.5 | Pass | | | |
| | | | | 30 | | | | 3.6 | -37.751 | -0.0201 | -2.5 to 2.5 | Pass | | | |
| | | | | 40 | | | | 3.6 | -1.616 | -0.0009 | -2.5 to 2.5 | Pass | | | |
| | | | | 50 | 3.6 | -18.983 | -0.0101 | -2.5 to 2.5 | Pass | | | | | | |
| | | 1908.5 | 15 | 0 | 20 | 3.3 | 12.946 | 0.0068 | -2.5 to 2.5 | Pass | | | | | |
| | | | | | | | | 3.6 | -11.687 | -0.0061 | -2.5 to 2.5 | Pass | | | |
| | | | | | | | | 4.2 | -27.680 | -0.0145 | -2.5 to 2.5 | Pass | | | |
| | | | | | | | -30 | 3.6 | -15.750 | -0.0083 | -2.5 to 2.5 | Pass | | | |
| | | | | | | | -20 | 3.6 | -40.469 | -0.0212 | -2.5 to 2.5 | Pass | | | |

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|-------|--------|--------|---------|-------------|-------------|---------|-------------|-------------|------|
| | | | | -10 | 3.6 | -9.212 | -0.0048 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -27.981 | -0.0147 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -45.648 | -0.0239 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -40.627 | -0.0213 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | 13.475 | 0.0071 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.6 | -38.624 | -0.0202 | -2.5 to 2.5 | Pass |
| 16QAM | 1851.5 | 15 | 0 | 20 | 3.3 | -12.817 | -0.0069 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -49.195 | -0.0266 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -27.595 | -0.0149 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -2.975 | -0.0016 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -1.888 | -0.0010 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -35.648 | -0.0193 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | 3.304 | 0.0018 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -39.296 | -0.0212 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -44.818 | -0.0242 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -19.412 | -0.0105 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | -23.489 | -0.0127 | -2.5 to 2.5 | Pass | | | |
| | 1880 | 15 | 0 | 20 | 3.3 | -39.339 | -0.0209 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -14.176 | -0.0075 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -21.458 | -0.0114 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -30.284 | -0.0161 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -38.166 | -0.0203 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -45.848 | -0.0244 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | 8.726 | 0.0046 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -0.987 | -0.0005 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -10.686 | -0.0057 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -18.682 | -0.0099 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | -27.881 | -0.0148 | -2.5 to 2.5 | Pass | | | |
| | 1908.5 | 15 | 0 | 20 | 3.3 | -42.429 | -0.0222 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -11.287 | -0.0059 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -39.339 | -0.0206 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -27.623 | -0.0145 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -48.180 | -0.0252 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -11.501 | -0.0060 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -27.952 | -0.0146 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -45.133 | -0.0236 | -2.5 to 2.5 | Pass |
| 30 | | | | 3.6 | -28.224 | -0.0148 | -2.5 to 2.5 | Pass | |
| 40 | | | | 3.6 | -4.120 | -0.0022 | -2.5 to 2.5 | Pass | |
| 50 | 3.6 | -2.561 | -0.0013 | -2.5 to 2.5 | Pass | | | | |

1.3 B2_5MHz

1.3.1 Test Result

| Band: 2 / Bandwidth: 5MHz | | | | | | | | | |
|---------------------------|-----------------|---------------|---------|-------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 1852.5 | 25 | 0 | 20 | 3.3 | 17.252 | 0.0093 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 19.455 | 0.0105 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -8.912 | -0.0048 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -46.721 | -0.0252 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -24.261 | -0.0131 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -26.178 | -0.0141 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -13.676 | -0.0074 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -43.130 | -0.0233 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -31.943 | -0.0172 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -12.274 | -0.0066 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | -40.684 | -0.0220 | -2.5 to 2.5 | Pass | | | |
| | 1880 | 25 | 0 | 20 | 3.3 | 12.417 | 0.0066 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 17.581 | 0.0094 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 19.927 | 0.0106 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | 20.385 | 0.0108 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | 24.991 | 0.0133 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | 21.744 | 0.0116 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | 21.329 | 0.0113 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | 21.858 | 0.0116 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | 19.913 | 0.0106 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | 18.539 | 0.0099 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | 13.275 | 0.0071 | -2.5 to 2.5 | Pass | | | |
| | 1907.5 | 25 | 0 | 20 | 3.3 | 5.493 | 0.0029 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 4.377 | 0.0023 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -6.051 | -0.0032 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -21.057 | -0.0110 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -37.594 | -0.0197 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | 0.672 | 0.0004 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -15.678 | -0.0082 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -28.167 | -0.0148 | -2.5 to 2.5 | Pass |
| 30 | | | | 3.6 | -39.511 | -0.0207 | -2.5 to 2.5 | Pass | |
| 40 | | | | 3.6 | -11.187 | -0.0059 | -2.5 to 2.5 | Pass | |
| 50 | 3.6 | -23.861 | -0.0125 | -2.5 to 2.5 | Pass | | | | |
| 16QAM | 1852.5 | 25 | 0 | 20 | 3.3 | -8.798 | -0.0047 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -31.714 | -0.0171 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -8.941 | -0.0048 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -26.693 | -0.0144 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -41.871 | -0.0226 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -7.625 | -0.0041 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -20.199 | -0.0109 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -33.545 | -0.0181 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -45.719 | -0.0247 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -8.068 | -0.0044 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | -22.573 | -0.0122 | -2.5 to 2.5 | Pass | | | |
| | 1880 | 25 | 0 | 20 | 3.3 | 10.314 | 0.0055 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 9.871 | 0.0053 | -2.5 to 2.5 | Pass |
| 4.2 | | | | | 14.791 | 0.0079 | -2.5 to 2.5 | Pass | |

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|--|-----|---------|---------|---------|-------------|--------|--------|-------------|---------|---------|-------------|------|
| | | | | -30 | 3.6 | 15.821 | 0.0084 | -2.5 to 2.5 | Pass | | | |
| | | | | -20 | 3.6 | 15.635 | 0.0083 | -2.5 to 2.5 | Pass | | | |
| | | | | -10 | 3.6 | 17.481 | 0.0093 | -2.5 to 2.5 | Pass | | | |
| | | | | 0 | 3.6 | 21.830 | 0.0116 | -2.5 to 2.5 | Pass | | | |
| | | | | 10 | 3.6 | 23.804 | 0.0127 | -2.5 to 2.5 | Pass | | | |
| | | | | 30 | 3.6 | 24.834 | 0.0132 | -2.5 to 2.5 | Pass | | | |
| | | | | 40 | 3.6 | 25.005 | 0.0133 | -2.5 to 2.5 | Pass | | | |
| | | | | 50 | 3.6 | 26.178 | 0.0139 | -2.5 to 2.5 | Pass | | | |
| | | | | 1907.5 | 25 | 0 | 20 | 3.3 | -35.706 | -0.0187 | -2.5 to 2.5 | Pass |
| | | | | | | | | 3.6 | -40.727 | -0.0214 | -2.5 to 2.5 | Pass |
| | 4.2 | -41.571 | -0.0218 | | | | | -2.5 to 2.5 | Pass | | | |
| | -30 | 3.6 | 14.863 | | | | 0.0078 | -2.5 to 2.5 | Pass | | | |
| | -20 | 3.6 | 9.727 | | | | 0.0051 | -2.5 to 2.5 | Pass | | | |
| | -10 | 3.6 | 8.883 | | | | 0.0047 | -2.5 to 2.5 | Pass | | | |
| | 0 | 3.6 | 5.493 | | | | 0.0029 | -2.5 to 2.5 | Pass | | | |
| | 10 | 3.6 | 6.151 | | | | 0.0032 | -2.5 to 2.5 | Pass | | | |
| | 30 | 3.6 | 2.961 | | | | 0.0016 | -2.5 to 2.5 | Pass | | | |
| | 40 | 3.6 | 0.215 | | | | 0.0001 | -2.5 to 2.5 | Pass | | | |
| | 50 | 3.6 | -1.988 | -0.0010 | -2.5 to 2.5 | Pass | | | | | | |

1.4 B2_10MHz

1.4.1 Test Result

| Band: 2 / Bandwidth: 10MHz | | | | | | | | | | | | |
|----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|---------|-------------|------|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict | | | |
| | | Size | Offset | | | | Result | Limit | | | | |
| QPSK | 1855 | 50 | 0 | 20 | 3.3 | 34.218 | 0.0184 | -2.5 to 2.5 | Pass | | | |
| | | | | | 3.6 | 24.462 | 0.0132 | -2.5 to 2.5 | Pass | | | |
| | | | | | 4.2 | -6.623 | -0.0036 | -2.5 to 2.5 | Pass | | | |
| | | | | -30 | 3.6 | -33.832 | -0.0182 | -2.5 to 2.5 | Pass | | | |
| | | | | -20 | 3.6 | -11.058 | -0.0060 | -2.5 to 2.5 | Pass | | | |
| | | | | -10 | 3.6 | -38.209 | -0.0206 | -2.5 to 2.5 | Pass | | | |
| | | | | 0 | 3.6 | -13.890 | -0.0075 | -2.5 to 2.5 | Pass | | | |
| | | | | 10 | 3.6 | -37.293 | -0.0201 | -2.5 to 2.5 | Pass | | | |
| | | | | 30 | 3.6 | -8.039 | -0.0043 | -2.5 to 2.5 | Pass | | | |
| | | | | 40 | 3.6 | -23.961 | -0.0129 | -2.5 to 2.5 | Pass | | | |
| | | | | 50 | 3.6 | -40.083 | -0.0216 | -2.5 to 2.5 | Pass | | | |
| | | | | 1880 | 50 | 0 | 20 | 3.3 | 12.016 | 0.0064 | -2.5 to 2.5 | Pass |
| | | | | | | | | 3.6 | 22.488 | 0.0120 | -2.5 to 2.5 | Pass |
| | | | | | | | | 4.2 | 26.650 | 0.0142 | -2.5 to 2.5 | Pass |
| | | | | | | | -30 | 3.6 | 29.955 | 0.0159 | -2.5 to 2.5 | Pass |
| | -20 | 3.6 | 32.187 | | | | 0.0171 | -2.5 to 2.5 | Pass | | | |
| | -10 | 3.6 | 34.904 | | | | 0.0186 | -2.5 to 2.5 | Pass | | | |
| | 0 | 3.6 | 37.179 | | | | 0.0198 | -2.5 to 2.5 | Pass | | | |
| | 10 | 3.6 | 20.385 | | | | 0.0108 | -2.5 to 2.5 | Pass | | | |
| | 30 | 3.6 | -7.510 | | | | -0.0040 | -2.5 to 2.5 | Pass | | | |
| | 40 | 3.6 | -7.682 | | | | -0.0041 | -2.5 to 2.5 | Pass | | | |
| | 50 | 3.6 | -7.281 | | | | -0.0039 | -2.5 to 2.5 | Pass | | | |
| | 1905 | 50 | 0 | | | | 20 | 3.3 | 26.836 | 0.0141 | -2.5 to 2.5 | Pass |
| | | | | | | | | 3.6 | 22.559 | 0.0118 | -2.5 to 2.5 | Pass |
| | | | | | | | | 4.2 | 13.404 | 0.0070 | -2.5 to 2.5 | Pass |
| | | | | | | | -30 | 3.6 | -0.458 | -0.0002 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -12.431 | -0.0065 | -2.5 to 2.5 | Pass | | | |
| | | | | -10 | 3.6 | -22.573 | -0.0118 | -2.5 to 2.5 | Pass | | | |

| | | | | | | | | | |
|-------|------|---------|---------|-------------|-------------|---------|-------------|-------------|------|
| | | | | 0 | 3.6 | -32.802 | -0.0172 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -41.599 | -0.0218 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -0.901 | -0.0005 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -8.111 | -0.0043 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.6 | -18.725 | -0.0098 | -2.5 to 2.5 | Pass |
| 16QAM | 1855 | 50 | 0 | 20 | 3.3 | -24.018 | -0.0129 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -29.597 | -0.0160 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -39.611 | -0.0214 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -43.645 | -0.0235 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | 2.017 | 0.0011 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -1.760 | -0.0009 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -7.682 | -0.0041 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -13.289 | -0.0072 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -20.227 | -0.0109 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -25.277 | -0.0136 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | -29.440 | -0.0159 | -2.5 to 2.5 | Pass | | | |
| | 1880 | 50 | 0 | 20 | 3.3 | -9.170 | -0.0049 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -2.890 | -0.0015 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 4.663 | 0.0025 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | 11.101 | 0.0059 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | 15.492 | 0.0082 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | 19.941 | 0.0106 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | 23.932 | 0.0127 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | 28.696 | 0.0153 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | 30.599 | 0.0163 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | 32.687 | 0.0174 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | 38.409 | 0.0204 | -2.5 to 2.5 | Pass | | | |
| | 1905 | 50 | 0 | 20 | 3.3 | -25.334 | -0.0133 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -25.749 | -0.0135 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -25.120 | -0.0132 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -23.160 | -0.0122 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -23.646 | -0.0124 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -25.234 | -0.0132 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -27.080 | -0.0142 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -28.725 | -0.0151 | -2.5 to 2.5 | Pass |
| 30 | | | | 3.6 | -27.394 | -0.0144 | -2.5 to 2.5 | Pass | |
| 40 | | | | 3.6 | -29.640 | -0.0156 | -2.5 to 2.5 | Pass | |
| 50 | 3.6 | -32.501 | -0.0171 | -2.5 to 2.5 | Pass | | | | |

1.5 B2_15MHz

1.5.1 Test Result

| Band: 2 / Bandwidth: 15MHz | | | | | | | | | |
|----------------------------|-----------------|---------------|---------|-------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 1857.5 | 75 | 0 | 20 | 3.3 | 16.265 | 0.0088 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 7.210 | 0.0039 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -12.016 | -0.0065 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -31.328 | -0.0169 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -0.043 | 0.0000 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -17.109 | -0.0092 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -31.185 | -0.0168 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -44.861 | -0.0242 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | 4.292 | 0.0023 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -5.450 | -0.0029 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | -13.161 | -0.0071 | -2.5 to 2.5 | Pass | | | |
| | 1880 | 75 | 0 | 20 | 3.3 | 16.952 | 0.0090 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 25.735 | 0.0137 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 27.823 | 0.0148 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | 28.095 | 0.0149 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | 32.616 | 0.0173 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | 34.704 | 0.0185 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | 34.504 | 0.0184 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | 36.478 | 0.0194 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | 36.249 | 0.0193 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | 40.269 | 0.0214 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | 43.130 | 0.0229 | -2.5 to 2.5 | Pass | | | |
| | 1902.5 | 75 | 0 | 20 | 3.3 | 11.559 | 0.0061 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 5.322 | 0.0028 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -5.794 | -0.0030 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -16.794 | -0.0088 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -24.190 | -0.0127 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -31.028 | -0.0163 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -36.521 | -0.0192 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -40.870 | -0.0215 | -2.5 to 2.5 | Pass |
| 30 | | | | 3.6 | -45.619 | -0.0240 | -2.5 to 2.5 | Pass | |
| 40 | | | | 3.6 | 0.501 | 0.0003 | -2.5 to 2.5 | Pass | |
| 50 | 3.6 | -3.147 | -0.0017 | -2.5 to 2.5 | Pass | | | | |
| 16QAM | 1857.5 | 75 | 0 | 20 | 3.3 | -22.659 | -0.0122 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -24.161 | -0.0130 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -24.118 | -0.0130 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -27.723 | -0.0149 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -28.167 | -0.0152 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -29.569 | -0.0159 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -32.029 | -0.0172 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -35.348 | -0.0190 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -39.911 | -0.0215 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -41.299 | -0.0222 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | -42.529 | -0.0229 | -2.5 to 2.5 | Pass | | | |
| | 1880 | 75 | 0 | 20 | 3.3 | 44.045 | 0.0234 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -13.547 | -0.0072 | -2.5 to 2.5 | Pass |
| 4.2 | | | | | -5.679 | -0.0030 | -2.5 to 2.5 | Pass | |

| | | | | | | | | | | | | |
|--|-----|--------|---------|---------|-------------|--------|---------|-------------|--------|---------|-------------|------|
| | | | | -30 | 3.6 | -4.306 | -0.0023 | -2.5 to 2.5 | Pass | | | |
| | | | | -20 | 3.6 | -0.901 | -0.0005 | -2.5 to 2.5 | Pass | | | |
| | | | | -10 | 3.6 | 4.463 | 0.0024 | -2.5 to 2.5 | Pass | | | |
| | | | | 0 | 3.6 | 7.682 | 0.0041 | -2.5 to 2.5 | Pass | | | |
| | | | | 10 | 3.6 | 10.815 | 0.0058 | -2.5 to 2.5 | Pass | | | |
| | | | | 30 | 3.6 | 14.563 | 0.0077 | -2.5 to 2.5 | Pass | | | |
| | | | | 40 | 3.6 | 14.534 | 0.0077 | -2.5 to 2.5 | Pass | | | |
| | | | | 50 | 3.6 | 18.926 | 0.0101 | -2.5 to 2.5 | Pass | | | |
| | | | | 1902.5 | 75 | 0 | 20 | 3.3 | -8.640 | -0.0045 | -2.5 to 2.5 | Pass |
| | | | | | | | | 3.6 | -5.708 | -0.0030 | -2.5 to 2.5 | Pass |
| | 4.2 | -5.207 | -0.0027 | | | | | -2.5 to 2.5 | Pass | | | |
| | -30 | 3.6 | -5.193 | | | | -0.0027 | -2.5 to 2.5 | Pass | | | |
| | -20 | 3.6 | -3.619 | | | | -0.0019 | -2.5 to 2.5 | Pass | | | |
| | -10 | 3.6 | -4.735 | | | | -0.0025 | -2.5 to 2.5 | Pass | | | |
| | 0 | 3.6 | -3.705 | | | | -0.0019 | -2.5 to 2.5 | Pass | | | |
| | 10 | 3.6 | -2.017 | | | | -0.0011 | -2.5 to 2.5 | Pass | | | |
| | 30 | 3.6 | -2.160 | | | | -0.0011 | -2.5 to 2.5 | Pass | | | |
| | 40 | 3.6 | -3.018 | | | | -0.0016 | -2.5 to 2.5 | Pass | | | |
| | 50 | 3.6 | -4.463 | -0.0023 | -2.5 to 2.5 | Pass | | | | | | |

1.6 B2_20MHz

1.6.1 Test Result

| Band: 2 / Bandwidth: 20MHz | | | | | | | | | | | | |
|----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|---------|-------------|------|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict | | | |
| | | Size | Offset | | | | Result | Limit | | | | |
| QPSK | 1860 | 100 | 0 | 20 | 3.3 | 27.609 | 0.0148 | -2.5 to 2.5 | Pass | | | |
| | | | | | 3.6 | 15.821 | 0.0085 | -2.5 to 2.5 | Pass | | | |
| | | | | | 4.2 | -2.775 | -0.0015 | -2.5 to 2.5 | Pass | | | |
| | | | | -30 | 3.6 | -13.247 | -0.0071 | -2.5 to 2.5 | Pass | | | |
| | | | | -20 | 3.6 | -24.548 | -0.0132 | -2.5 to 2.5 | Pass | | | |
| | | | | -10 | 3.6 | -33.231 | -0.0179 | -2.5 to 2.5 | Pass | | | |
| | | | | 0 | 3.6 | -38.209 | -0.0205 | -2.5 to 2.5 | Pass | | | |
| | | | | 10 | 3.6 | -43.359 | -0.0233 | -2.5 to 2.5 | Pass | | | |
| | | | | 30 | 3.6 | 7.424 | 0.0040 | -2.5 to 2.5 | Pass | | | |
| | | | | 40 | 3.6 | 4.492 | 0.0024 | -2.5 to 2.5 | Pass | | | |
| | | | | 50 | 3.6 | 1.202 | 0.0006 | -2.5 to 2.5 | Pass | | | |
| | | | | 1880 | 100 | 0 | 20 | 3.3 | 1.473 | 0.0008 | -2.5 to 2.5 | Pass |
| | | | | | | | | 3.6 | 4.320 | 0.0023 | -2.5 to 2.5 | Pass |
| | | | | | | | | 4.2 | 5.622 | 0.0030 | -2.5 to 2.5 | Pass |
| | | | | | | | -30 | 3.6 | 8.698 | 0.0046 | -2.5 to 2.5 | Pass |
| | -20 | 3.6 | 9.441 | | | | 0.0050 | -2.5 to 2.5 | Pass | | | |
| | -10 | 3.6 | 10.242 | | | | 0.0054 | -2.5 to 2.5 | Pass | | | |
| | 0 | 3.6 | 10.571 | | | | 0.0056 | -2.5 to 2.5 | Pass | | | |
| | 10 | 3.6 | 12.360 | | | | 0.0066 | -2.5 to 2.5 | Pass | | | |
| | 30 | 3.6 | 10.629 | | | | 0.0057 | -2.5 to 2.5 | Pass | | | |
| | 40 | 3.6 | 12.202 | | | | 0.0065 | -2.5 to 2.5 | Pass | | | |
| | 50 | 3.6 | 15.421 | | | | 0.0082 | -2.5 to 2.5 | Pass | | | |
| | 1900 | 100 | 0 | | | | 20 | 3.3 | 12.002 | 0.0063 | -2.5 to 2.5 | Pass |
| | | | | | | | | 3.6 | 0.386 | 0.0002 | -2.5 to 2.5 | Pass |
| | | | | | | | | 4.2 | -9.212 | -0.0048 | -2.5 to 2.5 | Pass |
| | | | | | | | -30 | 3.6 | -18.282 | -0.0096 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -18.511 | -0.0097 | -2.5 to 2.5 | Pass | | | |
| | | | | -10 | 3.6 | -23.732 | -0.0125 | -2.5 to 2.5 | Pass | | | |

| | | | | | | | | | |
|-------|------|---------|---------|-------------|-------------|---------|-------------|-------------|------|
| | | | | 0 | 3.6 | -25.992 | -0.0137 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -29.397 | -0.0155 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -32.701 | -0.0172 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -35.419 | -0.0186 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.6 | -40.326 | -0.0212 | -2.5 to 2.5 | Pass |
| 16QAM | 1860 | 100 | 0 | 20 | 3.3 | -7.110 | -0.0038 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -3.033 | -0.0016 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -3.877 | -0.0021 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -4.878 | -0.0026 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -6.323 | -0.0034 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -7.668 | -0.0041 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -7.296 | -0.0039 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -8.812 | -0.0047 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -12.503 | -0.0067 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -9.227 | -0.0050 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | -11.988 | -0.0064 | -2.5 to 2.5 | Pass | | | |
| | 1880 | 100 | 0 | 20 | 3.3 | 12.088 | 0.0064 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 16.694 | 0.0089 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 18.926 | 0.0101 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | 20.700 | 0.0110 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | 25.606 | 0.0136 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | 27.480 | 0.0146 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | 30.084 | 0.0160 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | 31.214 | 0.0166 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | 34.432 | 0.0183 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | 34.690 | 0.0185 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | 0.415 | 0.0002 | -2.5 to 2.5 | Pass | | | |
| | 1900 | 100 | 0 | 20 | 3.3 | -39.883 | -0.0210 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -37.537 | -0.0198 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -35.877 | -0.0189 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -33.746 | -0.0178 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -37.780 | -0.0199 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -35.877 | -0.0189 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -33.445 | -0.0176 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -35.105 | -0.0185 | -2.5 to 2.5 | Pass |
| 30 | | | | 3.6 | -32.816 | -0.0173 | -2.5 to 2.5 | Pass | |
| 40 | | | | 3.6 | -32.859 | -0.0173 | -2.5 to 2.5 | Pass | |
| 50 | 3.6 | -31.929 | -0.0168 | -2.5 to 2.5 | Pass | | | | |

2. Frequency Stability

2.1 B38_5MHz

2.1.1 Test Result

| Band: 38 / Bandwidth: 5MHz | | | | | | | | | |
|----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|-------------|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 2572.5 | 25 | 0 | 20 | 3.3 | -4.435 | -0.0017 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 7.153 | 0.0028 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 22.888 | 0.0089 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | 6.838 | 0.0027 | -2.5 to 2.5 | Pass |
| | | | | | -20 | 3.6 | 26.093 | 0.0101 | -2.5 to 2.5 |
| | | | | -10 | 3.6 | 47.021 | 0.0183 | -2.5 to 2.5 | Pass |
| | | | | | 0 | 3.6 | 28.167 | 0.0109 | -2.5 to 2.5 |
| | | | | 10 | 3.6 | 42.601 | 0.0166 | -2.5 to 2.5 | Pass |
| | | | | | 30 | 3.6 | 4.663 | 0.0018 | -2.5 to 2.5 |
| | | | | 40 | 3.6 | 20.442 | 0.0079 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | 38.109 | | 0.0148 | -2.5 to 2.5 | Pass | | |
| | 2595 | 25 | 0 | 20 | 3.3 | 23.189 | 0.0089 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -8.883 | -0.0034 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 10.543 | 0.0041 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | 33.216 | 0.0128 | -2.5 to 2.5 | Pass |
| | | | | | -20 | 3.6 | 16.994 | 0.0065 | -2.5 to 2.5 |
| | | | | -10 | 3.6 | 35.434 | 0.0137 | -2.5 to 2.5 | Pass |
| | | | | | 0 | 3.6 | -3.762 | -0.0014 | -2.5 to 2.5 |
| | | | | 10 | 3.6 | 13.046 | 0.0050 | -2.5 to 2.5 | Pass |
| | | | | | 30 | 3.6 | 33.717 | 0.0130 | -2.5 to 2.5 |
| | | | | 40 | 3.6 | 26.894 | 0.0104 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | 21.214 | | 0.0082 | -2.5 to 2.5 | Pass | | |
| | 2617.5 | 25 | 0 | 20 | 3.3 | 18.411 | 0.0070 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 43.588 | 0.0167 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 1.631 | 0.0006 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | 17.653 | 0.0067 | -2.5 to 2.5 | Pass |
| | | | | | -20 | 3.6 | 40.627 | 0.0155 | -2.5 to 2.5 |
| | | | | -10 | 3.6 | 14.133 | 0.0054 | -2.5 to 2.5 | Pass |
| | | | | | 0 | 3.6 | 33.660 | 0.0129 | -2.5 to 2.5 |
| | | | | 10 | 3.6 | 37.122 | 0.0142 | -2.5 to 2.5 | Pass |
| 30 | | | | | 3.6 | 34.890 | 0.0133 | -2.5 to 2.5 | Pass |
| 40 | | | | 3.6 | 49.582 | 0.0189 | -2.5 to 2.5 | Pass | |
| | 50 | 3.6 | 5.493 | 0.0021 | -2.5 to 2.5 | Pass | | | |
| 16QAM | 2572.5 | 25 | 0 | 20 | 3.3 | -0.601 | -0.0002 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 23.804 | 0.0093 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 6.909 | 0.0027 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | 44.189 | 0.0172 | -2.5 to 2.5 | Pass |
| | | | | | -20 | 3.6 | 14.391 | 0.0056 | -2.5 to 2.5 |
| | | | | -10 | 3.6 | 39.396 | 0.0153 | -2.5 to 2.5 | Pass |
| | | | | | 0 | 3.6 | 9.527 | 0.0037 | -2.5 to 2.5 |
| | | | | 10 | 3.6 | 32.601 | 0.0127 | -2.5 to 2.5 | Pass |
| | | | | | 30 | 3.6 | 26.894 | 0.0105 | -2.5 to 2.5 |
| | | | | 40 | 3.6 | -2.460 | -0.0010 | -2.5 to 2.5 | Pass |
| 50 | 3.6 | 20.285 | 0.0079 | | -2.5 to 2.5 | Pass | | | |

| | | | | | | | | | | |
|----|--------|-----|--------|---------|-------------|--------|---------|-------------|-------------|------|
| | 2595 | 25 | 0 | 20 | 3.3 | 42.257 | 0.0163 | -2.5 to 2.5 | Pass | |
| | | | | | 3.6 | 25.964 | 0.0100 | -2.5 to 2.5 | Pass | |
| | | | | | 4.2 | 21.687 | 0.0084 | -2.5 to 2.5 | Pass | |
| | | | | -30 | 3.6 | 13.676 | 0.0053 | -2.5 to 2.5 | Pass | |
| | | | | | -20 | 3.6 | 40.040 | 0.0154 | -2.5 to 2.5 | Pass |
| | | | | | | 3.6 | 7.124 | 0.0027 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | 26.593 | 0.0102 | -2.5 to 2.5 | Pass | |
| | | | | | 10 | 3.6 | 35.834 | 0.0138 | -2.5 to 2.5 | Pass |
| | | | | | 30 | 3.6 | 40.898 | 0.0158 | -2.5 to 2.5 | Pass |
| | 2617.5 | 25 | 0 | 20 | 3.3 | 20.843 | 0.0080 | -2.5 to 2.5 | Pass | |
| | | | | | 3.6 | 37.422 | 0.0143 | -2.5 to 2.5 | Pass | |
| | | | | | 4.2 | 20.313 | 0.0078 | -2.5 to 2.5 | Pass | |
| | | | | -30 | 3.6 | 25.764 | 0.0098 | -2.5 to 2.5 | Pass | |
| | | | | | -20 | 3.6 | 10.943 | 0.0042 | -2.5 to 2.5 | Pass |
| | | | | | | 3.6 | 37.422 | 0.0143 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -3.991 | -0.0015 | -2.5 to 2.5 | Pass | |
| | | | | | 10 | 3.6 | 17.166 | 0.0066 | -2.5 to 2.5 | Pass |
| | | | | | 30 | 3.6 | 44.689 | 0.0171 | -2.5 to 2.5 | Pass |
| | 40 | 3.6 | 33.817 | 0.0129 | -2.5 to 2.5 | Pass | | | | |
| 50 | | 3.6 | -3.648 | -0.0014 | -2.5 to 2.5 | Pass | | | | |
| | | 3.6 | | | | | | | | |

2.2 B38_10MHz

2.2.1 Test Result

| Band: 38 / Bandwidth: 10MHz | | | | | | | | | | |
|-----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|-------------|------|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict | |
| | | Size | Offset | | | | Result | Limit | | |
| QPSK | 2575 | 50 | 0 | 20 | 3.3 | 29.840 | 0.0116 | -2.5 to 2.5 | Pass | |
| | | | | | 3.6 | 9.441 | 0.0037 | -2.5 to 2.5 | Pass | |
| | | | | | 4.2 | 7.038 | 0.0027 | -2.5 to 2.5 | Pass | |
| | | | | -30 | 3.6 | 2.017 | 0.0008 | -2.5 to 2.5 | Pass | |
| | | | | | -20 | 3.6 | -10.815 | -0.0042 | -2.5 to 2.5 | Pass |
| | | | | | | 3.6 | -18.740 | -0.0073 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -12.560 | -0.0049 | -2.5 to 2.5 | Pass | |
| | | | | | 10 | 3.6 | -14.319 | -0.0056 | -2.5 to 2.5 | Pass |
| | | | | | 30 | 3.6 | -11.501 | -0.0045 | -2.5 to 2.5 | Pass |
| | 2595 | 50 | 0 | 20 | 3.3 | 12.460 | 0.0048 | -2.5 to 2.5 | Pass | |
| | | | | | 3.6 | 36.292 | 0.0140 | -2.5 to 2.5 | Pass | |
| | | | | | 4.2 | 41.099 | 0.0158 | -2.5 to 2.5 | Pass | |
| | | | | -30 | 3.6 | 44.575 | 0.0172 | -2.5 to 2.5 | Pass | |
| | | | | | -20 | 3.6 | 46.864 | 0.0181 | -2.5 to 2.5 | Pass |
| | | | | | | 3.6 | 44.675 | 0.0172 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -2.747 | -0.0011 | -2.5 to 2.5 | Pass | |
| | | | | | 10 | 3.6 | -3.991 | -0.0015 | -2.5 to 2.5 | Pass |
| | | | | | 30 | 3.6 | 5.994 | 0.0023 | -2.5 to 2.5 | Pass |
| | 2615 | 50 | 0 | 20 | 3.3 | 7.052 | 0.0027 | -2.5 to 2.5 | Pass | |
| | | | | | 3.6 | 26.808 | 0.0103 | -2.5 to 2.5 | Pass | |
| | | | | | 4.2 | 37.637 | 0.0144 | -2.5 to 2.5 | Pass | |

| | | | | | | | | | |
|-------|------|--------|--------|------|---------|---------|-------------|-------------|---------|
| | | | | -30 | 3.6 | 23.847 | 0.0091 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | 38.538 | 0.0147 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | 27.423 | 0.0105 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | 30.484 | 0.0117 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | 31.242 | 0.0119 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | 44.074 | 0.0169 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | 40.927 | 0.0157 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.6 | -17.424 | -0.0067 | -2.5 to 2.5 | Pass |
| 16QAM | 2575 | 50 | 0 | 20 | 3.3 | -3.591 | -0.0014 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 9.928 | 0.0039 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 15.721 | 0.0061 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | 42.186 | 0.0164 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | 23.761 | 0.0092 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | 42.014 | 0.0163 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -6.409 | -0.0025 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | 9.098 | 0.0035 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | 27.008 | 0.0105 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | 33.460 | 0.0130 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.6 | 16.909 | 0.0066 | -2.5 to 2.5 | Pass |
| | | | | 2595 | 50 | 0 | 20 | 3.3 | 16.308 |
| | 3.6 | 34.819 | 0.0134 | | | | | -2.5 to 2.5 | Pass |
| | 4.2 | 3.905 | 0.0015 | | | | | -2.5 to 2.5 | Pass |
| | -30 | 3.6 | 27.165 | | | | 0.0105 | -2.5 to 2.5 | Pass |
| | -20 | 3.6 | 47.536 | | | | 0.0183 | -2.5 to 2.5 | Pass |
| | -10 | 3.6 | 28.610 | | | | 0.0110 | -2.5 to 2.5 | Pass |
| | 0 | 3.6 | 45.018 | | | | 0.0173 | -2.5 to 2.5 | Pass |
| | 10 | 3.6 | 2.818 | | | | 0.0011 | -2.5 to 2.5 | Pass |
| | 30 | 3.6 | 11.430 | | | | 0.0044 | -2.5 to 2.5 | Pass |
| | 40 | 3.6 | 30.813 | | | | 0.0119 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | 38.552 | | | | 0.0149 | -2.5 to 2.5 | Pass |
| | 2615 | 50 | 0 | | | | 20 | 3.3 | -15.922 |
| | | | | 3.6 | -12.231 | -0.0047 | | -2.5 to 2.5 | Pass |
| | | | | 4.2 | 7.052 | 0.0027 | | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | 19.355 | 0.0074 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | 43.716 | 0.0167 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | 9.685 | 0.0037 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | 25.964 | 0.0099 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | 30.899 | 0.0118 | -2.5 to 2.5 | Pass |
| 30 | | | | 3.6 | -5.550 | -0.0021 | -2.5 to 2.5 | Pass | |
| 40 | | | | 3.6 | 9.313 | 0.0036 | -2.5 to 2.5 | Pass | |
| 50 | | | | 3.6 | 27.237 | 0.0104 | -2.5 to 2.5 | Pass | |

2.3 B38_15MHz

2.3.1 Test Result

| Band: 38 / Bandwidth: 15MHz | | | | | | | | | |
|-----------------------------|-----------------|---------------|---------|-------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 2577.5 | 75 | 0 | 20 | 3.3 | 29.268 | 0.0114 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 35.763 | 0.0139 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 27.995 | 0.0109 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | 6.366 | 0.0025 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -14.620 | -0.0057 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -40.441 | -0.0157 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -47.421 | -0.0184 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -31.829 | -0.0123 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -32.058 | -0.0124 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -50.640 | -0.0196 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | -47.436 | -0.0184 | -2.5 to 2.5 | Pass | | | |
| | 2595 | 75 | 0 | 20 | 3.3 | -3.004 | -0.0012 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 18.082 | 0.0070 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 14.205 | 0.0055 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | 11.315 | 0.0044 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | 9.828 | 0.0038 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | 4.621 | 0.0018 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | 0.486 | 0.0002 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | 1.116 | 0.0004 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -5.679 | -0.0022 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -6.037 | -0.0023 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | -6.638 | -0.0026 | -2.5 to 2.5 | Pass | | | |
| | 2612.5 | 75 | 0 | 20 | 3.3 | 16.708 | 0.0064 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 34.418 | 0.0132 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 36.306 | 0.0139 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | 46.091 | 0.0176 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -16.022 | -0.0061 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -14.763 | -0.0057 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -9.499 | -0.0036 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -10.743 | -0.0041 | -2.5 to 2.5 | Pass |
| 30 | | | | 3.6 | -7.968 | -0.0030 | -2.5 to 2.5 | Pass | |
| 40 | | | | 3.6 | -5.608 | -0.0021 | -2.5 to 2.5 | Pass | |
| 50 | 3.6 | -5.193 | -0.0020 | -2.5 to 2.5 | Pass | | | | |
| 16QAM | 2577.5 | 75 | 0 | 20 | 3.3 | -12.846 | -0.0050 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -9.584 | -0.0037 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 16.422 | 0.0064 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | 24.147 | 0.0094 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | 37.365 | 0.0145 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -0.787 | -0.0003 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | 9.584 | 0.0037 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | 18.997 | 0.0074 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | 33.188 | 0.0129 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | 41.842 | 0.0162 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | 37.050 | 0.0144 | -2.5 to 2.5 | Pass | | | |
| | 2595 | 75 | 0 | 20 | 3.3 | -8.154 | -0.0031 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 8.669 | 0.0033 | -2.5 to 2.5 | Pass |
| 4.2 | | | | | 25.277 | 0.0097 | -2.5 to 2.5 | Pass | |

| | | | | | | | | | | | | |
|--|-----|--------|--------|--------|-------------|--------|---------|-------------|--------|--------|-------------|------|
| | | | | -30 | 3.6 | 41.528 | 0.0160 | -2.5 to 2.5 | Pass | | | |
| | | | | -20 | 3.6 | -4.578 | -0.0018 | -2.5 to 2.5 | Pass | | | |
| | | | | -10 | 3.6 | 14.405 | 0.0056 | -2.5 to 2.5 | Pass | | | |
| | | | | 0 | 3.6 | 27.523 | 0.0106 | -2.5 to 2.5 | Pass | | | |
| | | | | 10 | 3.6 | 36.120 | 0.0139 | -2.5 to 2.5 | Pass | | | |
| | | | | 30 | 3.6 | 10.872 | 0.0042 | -2.5 to 2.5 | Pass | | | |
| | | | | 40 | 3.6 | 30.541 | 0.0118 | -2.5 to 2.5 | Pass | | | |
| | | | | 50 | 3.6 | 36.163 | 0.0139 | -2.5 to 2.5 | Pass | | | |
| | | | | 2612.5 | 75 | 0 | 20 | 3.3 | 0.973 | 0.0004 | -2.5 to 2.5 | Pass |
| | | | | | | | | 3.6 | 14.491 | 0.0055 | -2.5 to 2.5 | Pass |
| | 4.2 | 32.873 | 0.0126 | | | | | -2.5 to 2.5 | Pass | | | |
| | -30 | 3.6 | 18.010 | | | | 0.0069 | -2.5 to 2.5 | Pass | | | |
| | -20 | 3.6 | 34.289 | | | | 0.0131 | -2.5 to 2.5 | Pass | | | |
| | -10 | 3.6 | -2.317 | | | | -0.0009 | -2.5 to 2.5 | Pass | | | |
| | 0 | 3.6 | 0.172 | | | | 0.0001 | -2.5 to 2.5 | Pass | | | |
| | 10 | 3.6 | 13.418 | | | | 0.0051 | -2.5 to 2.5 | Pass | | | |
| | 30 | 3.6 | 36.263 | | | | 0.0139 | -2.5 to 2.5 | Pass | | | |
| | 40 | 3.6 | 11.601 | | | | 0.0044 | -2.5 to 2.5 | Pass | | | |
| | 50 | 3.6 | 1.073 | 0.0004 | -2.5 to 2.5 | Pass | | | | | | |

2.4 B38_20MHz

2.4.1 Test Result

| Band: 38 / Bandwidth: 20MHz | | | | | | | | | | | | |
|-----------------------------|-----------------|---------------|---------|------------|---------------|------------------|-----------------------|-------------|---------|--------|-------------|------|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict | | | |
| | | Size | Offset | | | | Result | Limit | | | | |
| QPSK | 2580 | 100 | 0 | 20 | 3.3 | 32.144 | 0.0125 | -2.5 to 2.5 | Pass | | | |
| | | | | | 3.6 | -14.920 | -0.0058 | -2.5 to 2.5 | Pass | | | |
| | | | | | 4.2 | -37.680 | -0.0146 | -2.5 to 2.5 | Pass | | | |
| | | | | -30 | 3.6 | -4.034 | -0.0016 | -2.5 to 2.5 | Pass | | | |
| | | | | -20 | 3.6 | -24.691 | -0.0096 | -2.5 to 2.5 | Pass | | | |
| | | | | -10 | 3.6 | -40.798 | -0.0158 | -2.5 to 2.5 | Pass | | | |
| | | | | 0 | 3.6 | -27.437 | -0.0106 | -2.5 to 2.5 | Pass | | | |
| | | | | 10 | 3.6 | -38.037 | -0.0147 | -2.5 to 2.5 | Pass | | | |
| | | | | 30 | 3.6 | -31.643 | -0.0123 | -2.5 to 2.5 | Pass | | | |
| | | | | 40 | 3.6 | -11.530 | -0.0045 | -2.5 to 2.5 | Pass | | | |
| | | | | 50 | 3.6 | -23.346 | -0.0090 | -2.5 to 2.5 | Pass | | | |
| | | | | 2595 | 100 | 0 | 20 | 3.3 | 1.402 | 0.0005 | -2.5 to 2.5 | Pass |
| | | | | | | | | 3.6 | 21.572 | 0.0083 | -2.5 to 2.5 | Pass |
| | | | | | | | | 4.2 | 18.168 | 0.0070 | -2.5 to 2.5 | Pass |
| | | | | | | | -30 | 3.6 | 3.047 | 0.0012 | -2.5 to 2.5 | Pass |
| | -20 | 3.6 | -3.705 | | | | -0.0014 | -2.5 to 2.5 | Pass | | | |
| | -10 | 3.6 | -14.892 | | | | -0.0057 | -2.5 to 2.5 | Pass | | | |
| | 0 | 3.6 | -17.395 | | | | -0.0067 | -2.5 to 2.5 | Pass | | | |
| | 10 | 3.6 | -24.762 | | | | -0.0095 | -2.5 to 2.5 | Pass | | | |
| | 30 | 3.6 | -23.217 | | | | -0.0089 | -2.5 to 2.5 | Pass | | | |
| | 40 | 3.6 | -33.717 | -0.0130 | -2.5 to 2.5 | Pass | | | | | | |
| | 50 | 3.6 | -32.759 | -0.0126 | -2.5 to 2.5 | Pass | | | | | | |
| | 2610 | 100 | 0 | 20 | 3.3 | 1.216 | 0.0005 | -2.5 to 2.5 | Pass | | | |
| | | | | | 3.6 | 19.312 | 0.0074 | -2.5 to 2.5 | Pass | | | |
| | | | | | 4.2 | 24.118 | 0.0092 | -2.5 to 2.5 | Pass | | | |
| | | | | -30 | 3.6 | 19.813 | 0.0076 | -2.5 to 2.5 | Pass | | | |
| | | | | -20 | 3.6 | 20.185 | 0.0077 | -2.5 to 2.5 | Pass | | | |
| | | | | -10 | 3.6 | 23.060 | 0.0088 | -2.5 to 2.5 | Pass | | | |

| | | | | | | | | | |
|-------|------|--------|--------|-------------|-------------|---------|-------------|-------------|------|
| | | | | 0 | 3.6 | 21.157 | 0.0081 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | 22.373 | 0.0086 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | 28.825 | 0.0110 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | 28.210 | 0.0108 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.6 | 35.605 | 0.0136 | -2.5 to 2.5 | Pass |
| 16QAM | 2580 | 100 | 0 | 20 | 3.3 | -27.781 | -0.0108 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -16.437 | -0.0064 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -5.550 | -0.0022 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | 11.873 | 0.0046 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | 19.183 | 0.0074 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | 36.964 | 0.0143 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | 46.763 | 0.0181 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | 8.268 | 0.0032 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | 19.555 | 0.0076 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | 27.294 | 0.0106 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | 34.275 | 0.0133 | -2.5 to 2.5 | Pass | | | |
| | 2595 | 100 | 0 | 20 | 3.3 | -34.146 | -0.0132 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -23.203 | -0.0089 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -1.130 | -0.0004 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | 17.824 | 0.0069 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | 31.257 | 0.0120 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | 20.571 | 0.0079 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | 14.534 | 0.0056 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | 23.088 | 0.0089 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | 40.355 | 0.0156 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | 5.307 | 0.0020 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | -5.808 | -0.0022 | -2.5 to 2.5 | Pass | | | |
| | 2610 | 100 | 0 | 20 | 3.3 | 37.208 | 0.0143 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 8.440 | 0.0032 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 34.304 | 0.0131 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | 4.992 | 0.0019 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | 29.526 | 0.0113 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | 28.481 | 0.0109 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | 28.324 | 0.0109 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | 42.830 | 0.0164 | -2.5 to 2.5 | Pass |
| 30 | | | | 3.6 | 12.288 | 0.0047 | -2.5 to 2.5 | Pass | |
| 40 | | | | 3.6 | 25.334 | 0.0097 | -2.5 to 2.5 | Pass | |
| 50 | 3.6 | 43.101 | 0.0165 | -2.5 to 2.5 | Pass | | | | |

3. Frequency Stability

3.1 B4_1.4MHz

3.1.1 Test Result

| Band: 4 / Bandwidth: 1.4MHz | | | | | | | | | | |
|-----------------------------|-----------------|---------------|---------|-------------|---------------|------------------|-----------------------|-------------|-------------|-------------|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict | |
| | | Size | Offset | | | | Result | Limit | | |
| QPSK | 1710.7 | 6 | 0 | 20 | 3.3 | -16.365 | -0.0096 | -2.5 to 2.5 | Pass | |
| | | | | | 3.6 | -34.347 | -0.0201 | -2.5 to 2.5 | Pass | |
| | | | | | 4.2 | -21.815 | -0.0128 | -2.5 to 2.5 | Pass | |
| | | | | -30 | 3.6 | -16.007 | -0.0094 | -2.5 to 2.5 | Pass | |
| | | | | | -20 | 3.6 | -3.147 | -0.0018 | -2.5 to 2.5 | Pass |
| | | | | | | -10 | 3.6 | -31.929 | -0.0187 | -2.5 to 2.5 |
| | | | | 0 | 3.6 | -16.437 | -0.0096 | -2.5 to 2.5 | Pass | |
| | | | | | 10 | 3.6 | -14.305 | -0.0084 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -2.904 | -0.0017 | -2.5 to 2.5 | Pass | |
| | 40 | 3.6 | -4.735 | | -0.0028 | -2.5 to 2.5 | Pass | | | |
| | 50 | 3.6 | -12.918 | -0.0076 | -2.5 to 2.5 | Pass | | | | |
| | 1732.5 | 6 | 0 | 20 | 3.3 | 11.129 | 0.0064 | -2.5 to 2.5 | Pass | |
| | | | | | 3.6 | -23.031 | -0.0133 | -2.5 to 2.5 | Pass | |
| | | | | | 4.2 | -21.901 | -0.0126 | -2.5 to 2.5 | Pass | |
| | | | | -30 | 3.6 | -36.120 | -0.0208 | -2.5 to 2.5 | Pass | |
| | | | | | -20 | 3.6 | -41.642 | -0.0240 | -2.5 to 2.5 | Pass |
| | | | | | | -10 | 3.6 | -18.067 | -0.0104 | -2.5 to 2.5 |
| | | | | 0 | 3.6 | -13.046 | -0.0075 | -2.5 to 2.5 | Pass | |
| | | | | | 10 | 3.6 | -18.182 | -0.0105 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -30.971 | -0.0179 | -2.5 to 2.5 | Pass | |
| | 40 | 3.6 | -9.871 | | -0.0057 | -2.5 to 2.5 | Pass | | | |
| | 50 | 3.6 | -23.017 | -0.0133 | -2.5 to 2.5 | Pass | | | | |
| | 1754.3 | 6 | 0 | 20 | 3.3 | -28.982 | -0.0165 | -2.5 to 2.5 | Pass | |
| | | | | | 3.6 | -15.464 | -0.0088 | -2.5 to 2.5 | Pass | |
| | | | | | 4.2 | -47.178 | -0.0269 | -2.5 to 2.5 | Pass | |
| | | | | -30 | 3.6 | -29.812 | -0.0170 | -2.5 to 2.5 | Pass | |
| | | | | | -20 | 3.6 | -19.226 | -0.0110 | -2.5 to 2.5 | Pass |
| -10 | | | | | | 3.6 | 0.300 | 0.0002 | -2.5 to 2.5 | Pass |
| 0 | | | | 3.6 | -29.855 | -0.0170 | -2.5 to 2.5 | Pass | | |
| | | | | 10 | 3.6 | -19.426 | -0.0111 | -2.5 to 2.5 | Pass | |
| 30 | | | | 3.6 | -11.673 | -0.0067 | -2.5 to 2.5 | Pass | | |
| | 40 | 3.6 | -32.444 | -0.0185 | -2.5 to 2.5 | Pass | | | | |
| 50 | 3.6 | -31.672 | -0.0181 | -2.5 to 2.5 | Pass | | | | | |
| 16QAM | 1710.7 | 6 | 0 | 20 | 3.3 | -16.966 | -0.0099 | -2.5 to 2.5 | Pass | |
| | | | | | 3.6 | -28.853 | -0.0169 | -2.5 to 2.5 | Pass | |
| | | | | | 4.2 | -17.266 | -0.0101 | -2.5 to 2.5 | Pass | |
| | | | | -30 | 3.6 | -12.846 | -0.0075 | -2.5 to 2.5 | Pass | |
| | | | | | -20 | 3.6 | -20.499 | -0.0120 | -2.5 to 2.5 | Pass |
| | | | | | | -10 | 3.6 | -39.210 | -0.0229 | -2.5 to 2.5 |
| | | | | 0 | 3.6 | -9.198 | -0.0054 | -2.5 to 2.5 | Pass | |
| | | | | | 10 | 3.6 | -24.505 | -0.0143 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -39.225 | -0.0229 | -2.5 to 2.5 | Pass | |
| 40 | 3.6 | -17.767 | -0.0104 | | -2.5 to 2.5 | Pass | | | | |
| 50 | 3.6 | -33.789 | -0.0198 | -2.5 to 2.5 | Pass | | | | | |

| | | | | | | | | | | |
|----|--------|---------|---------|-------------|-------------|---------|-------------|-------------|-------------|------|
| | 1732.5 | 6 | 0 | 20 | 3.3 | -20.299 | -0.0117 | -2.5 to 2.5 | Pass | |
| | | | | | 3.6 | -34.833 | -0.0201 | -2.5 to 2.5 | Pass | |
| | | | | | 4.2 | 3.161 | 0.0018 | -2.5 to 2.5 | Pass | |
| | | | | -30 | 3.6 | -19.312 | -0.0111 | -2.5 to 2.5 | Pass | |
| | | | | | -20 | 3.6 | -32.587 | -0.0188 | -2.5 to 2.5 | Pass |
| | | | | | | 3.6 | -23.131 | -0.0134 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -37.751 | -0.0218 | -2.5 to 2.5 | Pass | |
| | | | | 10 | 3.6 | -41.714 | -0.0241 | -2.5 to 2.5 | Pass | |
| | | | | 30 | 3.6 | -24.304 | -0.0140 | -2.5 to 2.5 | Pass | |
| | 40 | 3.6 | 2.017 | 0.0012 | -2.5 to 2.5 | Pass | | | | |
| | 50 | 3.6 | -29.168 | -0.0168 | -2.5 to 2.5 | Pass | | | | |
| | 1754.3 | 6 | 0 | 20 | 3.3 | -9.656 | -0.0055 | -2.5 to 2.5 | Pass | |
| | | | | | 3.6 | -30.012 | -0.0171 | -2.5 to 2.5 | Pass | |
| | | | | | 4.2 | -21.658 | -0.0123 | -2.5 to 2.5 | Pass | |
| | | | | -30 | 3.6 | 8.898 | 0.0051 | -2.5 to 2.5 | Pass | |
| | | | | | -20 | 3.6 | -11.802 | -0.0067 | -2.5 to 2.5 | Pass |
| | | | | | | 3.6 | -32.716 | -0.0186 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -17.266 | -0.0098 | -2.5 to 2.5 | Pass | |
| 10 | | | | 3.6 | -34.060 | -0.0194 | -2.5 to 2.5 | Pass | | |
| 30 | | | | 3.6 | -12.746 | -0.0073 | -2.5 to 2.5 | Pass | | |
| 40 | 3.6 | -32.644 | -0.0186 | -2.5 to 2.5 | Pass | | | | | |
| 50 | 3.6 | -18.425 | -0.0105 | -2.5 to 2.5 | Pass | | | | | |

3.2 B4_3MHz

3.2.1 Test Result

| Band: 4 / Bandwidth: 3MHz | | | | | | | | | | |
|---------------------------|-----------------|---------------|---------|------------|---------------|------------------|-----------------------|-------------|-------------|------|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict | |
| | | Size | Offset | | | | Result | Limit | | |
| QPSK | 1711.5 | 15 | 0 | 20 | 3.3 | -24.705 | -0.0144 | -2.5 to 2.5 | Pass | |
| | | | | | 3.6 | -16.022 | -0.0094 | -2.5 to 2.5 | Pass | |
| | | | | | 4.2 | -27.995 | -0.0164 | -2.5 to 2.5 | Pass | |
| | | | | -30 | 3.6 | -37.651 | -0.0220 | -2.5 to 2.5 | Pass | |
| | | | | | -20 | 3.6 | -18.511 | -0.0108 | -2.5 to 2.5 | Pass |
| | | | | | | 3.6 | -17.180 | -0.0100 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -21.615 | -0.0126 | -2.5 to 2.5 | Pass | |
| | | | | 10 | 3.6 | -27.809 | -0.0162 | -2.5 to 2.5 | Pass | |
| | | | | 30 | 3.6 | -24.176 | -0.0141 | -2.5 to 2.5 | Pass | |
| | 40 | 3.6 | -23.689 | -0.0138 | -2.5 to 2.5 | Pass | | | | |
| | 50 | 3.6 | -23.131 | -0.0135 | -2.5 to 2.5 | Pass | | | | |
| | 1732.5 | 15 | 0 | 20 | 3.3 | -26.836 | -0.0155 | -2.5 to 2.5 | Pass | |
| | | | | | 3.6 | -6.123 | -0.0035 | -2.5 to 2.5 | Pass | |
| | | | | | 4.2 | -24.061 | -0.0139 | -2.5 to 2.5 | Pass | |
| | | | | -30 | 3.6 | -16.279 | -0.0094 | -2.5 to 2.5 | Pass | |
| | | | | | -20 | 3.6 | -9.341 | -0.0054 | -2.5 to 2.5 | Pass |
| | | | | | | 3.6 | -32.716 | -0.0189 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -34.418 | -0.0199 | -2.5 to 2.5 | Pass | |
| | | | | 10 | 3.6 | -13.976 | -0.0081 | -2.5 to 2.5 | Pass | |
| | | | | 30 | 3.6 | -20.156 | -0.0116 | -2.5 to 2.5 | Pass | |
| | 40 | 3.6 | -24.848 | -0.0143 | -2.5 to 2.5 | Pass | | | | |
| | 50 | 3.6 | -15.979 | -0.0092 | -2.5 to 2.5 | Pass | | | | |
| | 1753.5 | 15 | 0 | 20 | 3.3 | 12.732 | 0.0073 | -2.5 to 2.5 | Pass | |
| | | | | | 3.6 | 5.279 | 0.0030 | -2.5 to 2.5 | Pass | |
| | | | | | 4.2 | -15.693 | -0.0089 | -2.5 to 2.5 | Pass | |

| | | | | | | | | | |
|-------|--------|---------|---------|--------|---------|---------|-------------|-------------|---------|
| | | | | -30 | 3.6 | -39.268 | -0.0224 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -33.417 | -0.0191 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -18.811 | -0.0107 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -17.266 | -0.0098 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -12.074 | -0.0069 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -21.286 | -0.0121 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -22.316 | -0.0127 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.6 | -36.535 | -0.0208 | -2.5 to 2.5 | Pass |
| 16QAM | 1711.5 | 15 | 0 | 20 | 3.3 | -33.102 | -0.0193 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -23.632 | -0.0138 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -10.943 | -0.0064 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -30.298 | -0.0177 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -28.281 | -0.0165 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -27.924 | -0.0163 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -21.615 | -0.0126 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -4.935 | -0.0029 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -36.521 | -0.0213 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -28.253 | -0.0165 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.6 | -17.710 | -0.0103 | -2.5 to 2.5 | Pass |
| | | | | 1732.5 | 15 | 0 | 20 | 3.3 | -12.531 |
| | 3.6 | -30.098 | -0.0174 | | | | | -2.5 to 2.5 | Pass |
| | 4.2 | -25.692 | -0.0148 | | | | | -2.5 to 2.5 | Pass |
| | -30 | 3.6 | -1.602 | | | | -0.0009 | -2.5 to 2.5 | Pass |
| | -20 | 3.6 | -20.800 | | | | -0.0120 | -2.5 to 2.5 | Pass |
| | -10 | 3.6 | -36.907 | | | | -0.0213 | -2.5 to 2.5 | Pass |
| | 0 | 3.6 | -19.426 | | | | -0.0112 | -2.5 to 2.5 | Pass |
| | 10 | 3.6 | -40.298 | | | | -0.0233 | -2.5 to 2.5 | Pass |
| | 30 | 3.6 | -23.603 | | | | -0.0136 | -2.5 to 2.5 | Pass |
| | 40 | 3.6 | -23.818 | | | | -0.0137 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | -19.612 | | | | -0.0113 | -2.5 to 2.5 | Pass |
| | 1753.5 | 15 | 0 | | | | 20 | 3.3 | -32.730 |
| | | | | 3.6 | -11.630 | -0.0066 | | -2.5 to 2.5 | Pass |
| | | | | 4.2 | -3.862 | -0.0022 | | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -27.323 | -0.0156 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -13.962 | -0.0080 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -35.763 | -0.0204 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -7.424 | -0.0042 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -28.367 | -0.0162 | -2.5 to 2.5 | Pass |
| 30 | | | | 3.6 | -6.452 | -0.0037 | -2.5 to 2.5 | Pass | |
| 40 | | | | 3.6 | -29.025 | -0.0166 | -2.5 to 2.5 | Pass | |
| 50 | | | | 3.6 | -43.459 | -0.0248 | -2.5 to 2.5 | Pass | |

3.3 B4_5MHz

3.3.1 Test Result

| Band: 4 / Bandwidth: 5MHz | | | | | | | | | |
|---------------------------|-----------------|---------------|---------|-------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 1712.5 | 25 | 0 | 20 | 3.3 | 33.960 | 0.0198 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 37.937 | 0.0222 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 33.660 | 0.0197 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | 26.479 | 0.0155 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | 17.080 | 0.0100 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | 7.911 | 0.0046 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -3.605 | -0.0021 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -18.268 | -0.0107 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -31.114 | -0.0182 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | 6.738 | 0.0039 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | -6.952 | -0.0041 | -2.5 to 2.5 | Pass | | | |
| | 1732.5 | 25 | 0 | 20 | 3.3 | -3.033 | -0.0018 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -7.339 | -0.0042 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -20.270 | -0.0117 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -32.115 | -0.0185 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -16.809 | -0.0097 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -25.377 | -0.0146 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -40.398 | -0.0233 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -6.337 | -0.0037 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -21.243 | -0.0123 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -21.815 | -0.0126 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | -14.920 | -0.0086 | -2.5 to 2.5 | Pass | | | |
| | 1752.5 | 25 | 0 | 20 | 3.3 | 13.018 | 0.0074 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 10.471 | 0.0060 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 2.847 | 0.0016 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -0.086 | 0.0000 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -5.493 | -0.0031 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -12.603 | -0.0072 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -19.069 | -0.0109 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -28.510 | -0.0163 | -2.5 to 2.5 | Pass |
| 30 | | | | 3.6 | -31.843 | -0.0182 | -2.5 to 2.5 | Pass | |
| 40 | | | | 3.6 | -22.631 | -0.0129 | -2.5 to 2.5 | Pass | |
| 50 | 3.6 | -10.757 | -0.0061 | -2.5 to 2.5 | Pass | | | | |
| 16QAM | 1712.5 | 25 | 0 | 20 | 3.3 | -21.787 | -0.0127 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -34.776 | -0.0203 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -7.324 | -0.0043 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -16.394 | -0.0096 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -24.977 | -0.0146 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -35.262 | -0.0206 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -4.334 | -0.0025 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -12.975 | -0.0076 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -20.857 | -0.0122 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -29.840 | -0.0174 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | -36.936 | -0.0216 | -2.5 to 2.5 | Pass | | | |
| | 1732.5 | 25 | 0 | 20 | 3.3 | -35.405 | -0.0204 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -9.871 | -0.0057 | -2.5 to 2.5 | Pass |
| 4.2 | | | | | -20.700 | -0.0119 | -2.5 to 2.5 | Pass | |

| | | | | | | | | | | | | |
|-----|--------|----|---|-----|---------|---------|-------------|-------------|---------|---------|-------------|------|
| | | | | -30 | 3.6 | -28.353 | -0.0164 | -2.5 to 2.5 | Pass | | | |
| | | | | -20 | 3.6 | -7.710 | -0.0045 | -2.5 to 2.5 | Pass | | | |
| | | | | -10 | 3.6 | -18.826 | -0.0109 | -2.5 to 2.5 | Pass | | | |
| | | | | 0 | 3.6 | -27.308 | -0.0158 | -2.5 to 2.5 | Pass | | | |
| | | | | 10 | 3.6 | -18.253 | -0.0105 | -2.5 to 2.5 | Pass | | | |
| | | | | 30 | 3.6 | -10.357 | -0.0060 | -2.5 to 2.5 | Pass | | | |
| | | | | 40 | 3.6 | -20.185 | -0.0117 | -2.5 to 2.5 | Pass | | | |
| | | | | 50 | 3.6 | -26.350 | -0.0152 | -2.5 to 2.5 | Pass | | | |
| | 1752.5 | 25 | 0 | 20 | 3.3 | -15.407 | -0.0088 | -2.5 to 2.5 | Pass | | | |
| 3.6 | | | | | -24.791 | -0.0141 | -2.5 to 2.5 | Pass | | | | |
| 4.2 | | | | | -29.111 | -0.0166 | -2.5 to 2.5 | Pass | | | | |
| | | | | | | | -30 | 3.6 | -32.816 | -0.0187 | -2.5 to 2.5 | Pass |
| | | | | | | | -20 | 3.6 | 0.300 | 0.0002 | -2.5 to 2.5 | Pass |
| | | | | | | | -10 | 3.6 | -5.050 | -0.0029 | -2.5 to 2.5 | Pass |
| | | | | | | | 0 | 3.6 | -8.283 | -0.0047 | -2.5 to 2.5 | Pass |
| | | | | | | | 10 | 3.6 | -10.443 | -0.0060 | -2.5 to 2.5 | Pass |
| | | | | | | | 30 | 3.6 | -12.803 | -0.0073 | -2.5 to 2.5 | Pass |
| | | | | | | | 40 | 3.6 | -17.452 | -0.0100 | -2.5 to 2.5 | Pass |
| | | | | | | | 50 | 3.6 | -20.442 | -0.0117 | -2.5 to 2.5 | Pass |

3.4 B4_10MHz

3.4.1 Test Result

| Band: 4 / Bandwidth: 10MHz | | | | | | | | | |
|----------------------------|-----------------|---------------|---------|-------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 1715 | 50 | 0 | 20 | 3.3 | 29.383 | 0.0171 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 27.881 | 0.0163 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 2.618 | 0.0015 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | 0.172 | 0.0001 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -7.153 | -0.0042 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -8.726 | -0.0051 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -16.165 | -0.0094 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -21.744 | -0.0127 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -26.207 | -0.0153 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -31.257 | -0.0182 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | -34.447 | -0.0201 | -2.5 to 2.5 | Pass | | | |
| | 1732.5 | 50 | 0 | 20 | 3.3 | 20.728 | 0.0120 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 18.353 | 0.0106 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 4.864 | 0.0028 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -8.569 | -0.0049 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -25.849 | -0.0149 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -35.892 | -0.0207 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -19.813 | -0.0114 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -20.700 | -0.0119 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -16.236 | -0.0094 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -29.726 | -0.0172 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | -6.094 | -0.0035 | -2.5 to 2.5 | Pass | | | |
| | 1750 | 50 | 0 | 20 | 3.3 | -6.166 | -0.0035 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -5.550 | -0.0032 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -6.952 | -0.0040 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -12.102 | -0.0069 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -17.524 | -0.0100 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -20.313 | -0.0116 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -24.819 | -0.0142 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -30.499 | -0.0174 | -2.5 to 2.5 | Pass |
| 30 | | | | 3.6 | 2.890 | 0.0017 | -2.5 to 2.5 | Pass | |
| 40 | | | | 3.6 | 7.882 | 0.0045 | -2.5 to 2.5 | Pass | |
| 50 | 3.6 | 2.317 | 0.0013 | -2.5 to 2.5 | Pass | | | | |
| 16QAM | 1715 | 50 | 0 | 20 | 3.3 | -3.948 | -0.0023 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -8.440 | -0.0049 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -10.500 | -0.0061 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -12.202 | -0.0071 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -17.982 | -0.0105 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -17.653 | -0.0103 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -17.095 | -0.0100 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -17.810 | -0.0104 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -20.671 | -0.0121 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -21.715 | -0.0127 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | -23.146 | -0.0135 | -2.5 to 2.5 | Pass | | | |
| | 1732.5 | 50 | 0 | 20 | 3.3 | -23.503 | -0.0136 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -32.444 | -0.0187 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -39.268 | -0.0227 | -2.5 to 2.5 | Pass |

| | | | | | | | | | | | | |
|--|-----|--------|---------|---------|-------------|---------|---------|-------------|--------|---------|-------------|------|
| | | | | -30 | 3.6 | -7.124 | -0.0041 | -2.5 to 2.5 | Pass | | | |
| | | | | -20 | 3.6 | -14.877 | -0.0086 | -2.5 to 2.5 | Pass | | | |
| | | | | -10 | 3.6 | -18.940 | -0.0109 | -2.5 to 2.5 | Pass | | | |
| | | | | 0 | 3.6 | -24.505 | -0.0141 | -2.5 to 2.5 | Pass | | | |
| | | | | 10 | 3.6 | -29.969 | -0.0173 | -2.5 to 2.5 | Pass | | | |
| | | | | 30 | 3.6 | -34.475 | -0.0199 | -2.5 to 2.5 | Pass | | | |
| | | | | 40 | 3.6 | -37.694 | -0.0218 | -2.5 to 2.5 | Pass | | | |
| | | | | 50 | 3.6 | -42.200 | -0.0244 | -2.5 to 2.5 | Pass | | | |
| | | | | 1750 | 50 | 0 | 20 | 3.3 | -2.961 | -0.0017 | -2.5 to 2.5 | Pass |
| | | | | | | | | 3.6 | -3.676 | -0.0021 | -2.5 to 2.5 | Pass |
| | 4.2 | -3.920 | -0.0022 | | | | | -2.5 to 2.5 | Pass | | | |
| | -30 | 3.6 | -4.635 | | | | -0.0026 | -2.5 to 2.5 | Pass | | | |
| | -20 | 3.6 | -6.709 | | | | -0.0038 | -2.5 to 2.5 | Pass | | | |
| | -10 | 3.6 | -8.440 | | | | -0.0048 | -2.5 to 2.5 | Pass | | | |
| | 0 | 3.6 | -5.636 | | | | -0.0032 | -2.5 to 2.5 | Pass | | | |
| | 10 | 3.6 | -7.081 | | | | -0.0040 | -2.5 to 2.5 | Pass | | | |
| | 30 | 3.6 | -5.608 | | | | -0.0032 | -2.5 to 2.5 | Pass | | | |
| | 40 | 3.6 | -8.383 | | | | -0.0048 | -2.5 to 2.5 | Pass | | | |
| | 50 | 3.6 | -10.815 | -0.0062 | -2.5 to 2.5 | Pass | | | | | | |

3.5 B4_15MHz

3.5.1 Test Result

| Band: 4 / Bandwidth: 15MHz | | | | | | | | | | | | |
|----------------------------|-----------------|---------------|---------|------------|---------------|------------------|-----------------------|-------------|---------|---------|-------------|------|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict | | | |
| | | Size | Offset | | | | Result | Limit | | | | |
| QPSK | 1717.5 | 75 | 0 | 20 | 3.3 | 30.527 | 0.0178 | -2.5 to 2.5 | Pass | | | |
| | | | | | 3.6 | -0.315 | -0.0002 | -2.5 to 2.5 | Pass | | | |
| | | | | | 4.2 | 1.116 | 0.0006 | -2.5 to 2.5 | Pass | | | |
| | | | | -30 | 3.6 | 0.329 | 0.0002 | -2.5 to 2.5 | Pass | | | |
| | | | | -20 | 3.6 | -3.104 | -0.0018 | -2.5 to 2.5 | Pass | | | |
| | | | | -10 | 3.6 | -2.832 | -0.0016 | -2.5 to 2.5 | Pass | | | |
| | | | | 0 | 3.6 | -5.765 | -0.0034 | -2.5 to 2.5 | Pass | | | |
| | | | | 10 | 3.6 | -8.540 | -0.0050 | -2.5 to 2.5 | Pass | | | |
| | | | | 30 | 3.6 | -11.759 | -0.0068 | -2.5 to 2.5 | Pass | | | |
| | | | | 40 | 3.6 | -17.366 | -0.0101 | -2.5 to 2.5 | Pass | | | |
| | | | | 50 | 3.6 | -19.999 | -0.0116 | -2.5 to 2.5 | Pass | | | |
| | | | | 1732.5 | 75 | 0 | 20 | 3.3 | 3.791 | 0.0022 | -2.5 to 2.5 | Pass |
| | | | | | | | | 3.6 | 0.658 | 0.0004 | -2.5 to 2.5 | Pass |
| | | | | | | | | 4.2 | -10.028 | -0.0058 | -2.5 to 2.5 | Pass |
| | | | | | | | -30 | 3.6 | -22.073 | -0.0127 | -2.5 to 2.5 | Pass |
| | -20 | 3.6 | -33.574 | | | | -0.0194 | -2.5 to 2.5 | Pass | | | |
| | -10 | 3.6 | -43.001 | | | | -0.0248 | -2.5 to 2.5 | Pass | | | |
| | 0 | 3.6 | -5.050 | | | | -0.0029 | -2.5 to 2.5 | Pass | | | |
| | 10 | 3.6 | -17.166 | | | | -0.0099 | -2.5 to 2.5 | Pass | | | |
| | 30 | 3.6 | -26.093 | | | | -0.0151 | -2.5 to 2.5 | Pass | | | |
| | 40 | 3.6 | -35.405 | | | | -0.0204 | -2.5 to 2.5 | Pass | | | |
| | 50 | 3.6 | -4.535 | | | | -0.0026 | -2.5 to 2.5 | Pass | | | |
| | 1747.5 | 75 | 0 | | | | 20 | 3.3 | 12.088 | 0.0069 | -2.5 to 2.5 | Pass |
| | | | | | | | | 3.6 | 12.174 | 0.0070 | -2.5 to 2.5 | Pass |
| | | | | | | | | 4.2 | 12.259 | 0.0070 | -2.5 to 2.5 | Pass |
| | | | | | | | -30 | 3.6 | 7.954 | 0.0046 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | 5.865 | 0.0034 | -2.5 to 2.5 | Pass | | | |
| | | | | -10 | 3.6 | 5.193 | 0.0030 | -2.5 to 2.5 | Pass | | | |

| | | | | | | | | | |
|-------|--------|--------|---------|-------------|-------------|---------|-------------|-------------|------|
| | | | | 0 | 3.6 | -0.401 | -0.0002 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -3.633 | -0.0021 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -5.622 | -0.0032 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -8.426 | -0.0048 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.6 | -10.915 | -0.0062 | -2.5 to 2.5 | Pass |
| 16QAM | 1717.5 | 75 | 0 | 20 | 3.3 | -21.129 | -0.0123 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -19.898 | -0.0116 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -24.433 | -0.0142 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -24.004 | -0.0140 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -20.657 | -0.0120 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -21.200 | -0.0123 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -21.729 | -0.0127 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -19.670 | -0.0115 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -20.986 | -0.0122 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -19.112 | -0.0111 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | -18.096 | -0.0105 | -2.5 to 2.5 | Pass | | | |
| | 1732.5 | 75 | 0 | 20 | 3.3 | -15.278 | -0.0088 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -20.628 | -0.0119 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -27.123 | -0.0157 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -30.127 | -0.0174 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -35.148 | -0.0203 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -39.196 | -0.0226 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -6.509 | -0.0038 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -9.527 | -0.0055 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -14.148 | -0.0082 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -15.879 | -0.0092 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | -18.425 | -0.0106 | -2.5 to 2.5 | Pass | | | |
| | 1747.5 | 75 | 0 | 20 | 3.3 | -15.693 | -0.0090 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -14.563 | -0.0083 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -12.889 | -0.0074 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -12.074 | -0.0069 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -12.560 | -0.0072 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -12.488 | -0.0071 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -14.505 | -0.0083 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -10.700 | -0.0061 | -2.5 to 2.5 | Pass |
| 30 | | | | 3.6 | -12.159 | -0.0070 | -2.5 to 2.5 | Pass | |
| 40 | | | | 3.6 | -9.913 | -0.0057 | -2.5 to 2.5 | Pass | |
| 50 | 3.6 | -8.941 | -0.0051 | -2.5 to 2.5 | Pass | | | | |

3.6 B4_20MHz

3.6.1 Test Result

| Band: 4 / Bandwidth: 20MHz | | | | | | | | | |
|----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 1720 | 100 | 0 | 20 | 3.3 | -4.420 | -0.0026 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -2.217 | -0.0013 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -3.390 | -0.0020 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -7.710 | -0.0045 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -14.920 | -0.0087 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -21.544 | -0.0125 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -28.710 | -0.0167 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -32.144 | -0.0187 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -35.849 | -0.0208 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|-------|--------|---------|---------|-------------|-------------|---------|-------------|-------------|------|
| | 1732.5 | 100 | 0 | 40 | 3.6 | -40.512 | -0.0236 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.6 | 2.961 | 0.0017 | -2.5 to 2.5 | Pass |
| | | | | 20 | 3.3 | 16.079 | 0.0093 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 9.470 | 0.0055 | -2.5 to 2.5 | Pass |
| | | | | 4.2 | -0.401 | -0.0002 | -2.5 to 2.5 | Pass | |
| | | | | -30 | 3.6 | -10.657 | -0.0062 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -23.232 | -0.0134 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -32.144 | -0.0186 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -40.641 | -0.0235 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -12.460 | -0.0072 | -2.5 to 2.5 | Pass |
| | 30 | 3.6 | -23.518 | -0.0136 | -2.5 to 2.5 | Pass | | | |
| | 1745 | 100 | 0 | 20 | 3.3 | 19.341 | 0.0111 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 19.584 | 0.0112 | -2.5 to 2.5 | Pass |
| | | | | 4.2 | 17.095 | 0.0098 | -2.5 to 2.5 | Pass | |
| | | | | -30 | 3.6 | 10.300 | 0.0059 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | 6.137 | 0.0035 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | 4.091 | 0.0023 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -0.601 | -0.0003 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -3.576 | -0.0020 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -6.523 | -0.0037 | -2.5 to 2.5 | Pass |
| 40 | | | | 3.6 | -10.085 | -0.0058 | -2.5 to 2.5 | Pass | |
| 16QAM | 1720 | 100 | 0 | 20 | 3.3 | -3.219 | -0.0019 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -4.349 | -0.0025 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -1.230 | -0.0007 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | 1.345 | 0.0008 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | 0.229 | 0.0001 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | 2.661 | 0.0015 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | 3.891 | 0.0023 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | 2.289 | 0.0013 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | 7.467 | 0.0043 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | 4.506 | 0.0026 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | 3.891 | 0.0023 | -2.5 to 2.5 | Pass | | | |
| | 1732.5 | 100 | 0 | 20 | 3.3 | -8.426 | -0.0049 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -10.772 | -0.0062 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -9.599 | -0.0055 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -10.772 | -0.0062 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -11.673 | -0.0067 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -14.091 | -0.0081 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -14.133 | -0.0082 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -15.764 | -0.0091 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -17.452 | -0.0101 | -2.5 to 2.5 | Pass |
| 40 | | | | 3.6 | -18.969 | -0.0109 | -2.5 to 2.5 | Pass | |
| 50 | 3.6 | -22.802 | -0.0132 | -2.5 to 2.5 | Pass | | | | |
| 1745 | 100 | 0 | 20 | 3.3 | -20.127 | -0.0115 | -2.5 to 2.5 | Pass | |
| | | | | 3.6 | -17.610 | -0.0101 | -2.5 to 2.5 | Pass | |
| | | | | 4.2 | -15.707 | -0.0090 | -2.5 to 2.5 | Pass | |
| | | | -30 | 3.6 | -13.375 | -0.0077 | -2.5 to 2.5 | Pass | |
| | | | -20 | 3.6 | -13.433 | -0.0077 | -2.5 to 2.5 | Pass | |
| | | | -10 | 3.6 | -12.274 | -0.0070 | -2.5 to 2.5 | Pass | |
| | | | 0 | 3.6 | -10.300 | -0.0059 | -2.5 to 2.5 | Pass | |
| | | | 10 | 3.6 | -8.669 | -0.0050 | -2.5 to 2.5 | Pass | |
| | | | 30 | 3.6 | -9.928 | -0.0057 | -2.5 to 2.5 | Pass | |
| | | | 40 | 3.6 | -8.011 | -0.0046 | -2.5 to 2.5 | Pass | |
| 50 | 3.6 | -8.698 | -0.0050 | -2.5 to 2.5 | Pass | | | | |

4. Frequency Stability

4.1 B40a_5MHz

4.1.1 Test Result

| Band: 40a / Bandwidth: 5MHz | | | | | | | | | |
|-----------------------------|-----------------|---------------|---------|-------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 2307.5 | 25 | 0 | 20 | 3.3 | 29.769 | 0.0129 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 21.973 | 0.0095 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 20.585 | 0.0089 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | 1.860 | 0.0008 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -4.120 | -0.0018 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -22.073 | -0.0096 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -22.044 | -0.0096 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -37.665 | -0.0163 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -34.633 | -0.0150 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -39.039 | -0.0169 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | -44.246 | -0.0192 | -2.5 to 2.5 | Pass | | | |
| | 2310 | 25 | 0 | 20 | 3.3 | 2.518 | 0.0011 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 11.487 | 0.0050 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -5.364 | -0.0023 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -24.076 | -0.0104 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -45.190 | -0.0196 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -11.888 | -0.0051 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -27.008 | -0.0117 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -43.416 | -0.0188 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -9.527 | -0.0041 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -21.272 | -0.0092 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | -33.460 | -0.0145 | -2.5 to 2.5 | Pass | | | |
| | 2312.5 | 25 | 0 | 20 | 3.3 | 4.249 | 0.0018 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 12.259 | 0.0053 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -2.532 | -0.0011 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -31.886 | -0.0138 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -5.035 | -0.0022 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -29.039 | -0.0126 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -47.736 | -0.0206 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -19.112 | -0.0083 | -2.5 to 2.5 | Pass |
| 30 | | | | 3.6 | -31.071 | -0.0134 | -2.5 to 2.5 | Pass | |
| 40 | | | | 3.6 | -47.379 | -0.0205 | -2.5 to 2.5 | Pass | |
| 50 | 3.6 | -10.657 | -0.0046 | -2.5 to 2.5 | Pass | | | | |
| 16QAM | 2307.5 | 25 | 0 | 20 | 3.3 | -16.766 | -0.0073 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 16.522 | 0.0072 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 27.037 | 0.0117 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | 30.999 | 0.0134 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | 40.383 | 0.0175 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -7.739 | -0.0034 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -9.871 | -0.0043 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -0.930 | -0.0004 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | 15.335 | 0.0066 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | 23.618 | 0.0102 | -2.5 to 2.5 | Pass |
| 50 | 3.6 | 25.778 | 0.0112 | -2.5 to 2.5 | Pass | | | | |

| | | | | | | | | | |
|----|--------|--------|---------|-------------|-------------|--------|-------------|-------------|------|
| | 2310 | 25 | 0 | 20 | 3.3 | 24.934 | 0.0108 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 16.408 | 0.0071 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 9.584 | 0.0041 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | 17.681 | 0.0077 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | 21.715 | 0.0094 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | 23.389 | 0.0101 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | 29.869 | 0.0129 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | 34.189 | 0.0148 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | 37.651 | 0.0163 | -2.5 to 2.5 | Pass |
| | 40 | 3.6 | 46.363 | 0.0201 | -2.5 to 2.5 | Pass | | | |
| | 50 | 3.6 | -12.875 | -0.0056 | -2.5 to 2.5 | Pass | | | |
| | 2312.5 | 25 | 0 | 20 | 3.3 | -9.255 | -0.0040 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 8.268 | 0.0036 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 13.118 | 0.0057 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | 19.484 | 0.0084 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | 22.473 | 0.0097 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | 20.628 | 0.0089 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | 24.276 | 0.0105 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | 25.320 | 0.0109 | -2.5 to 2.5 | Pass |
| 30 | | | | 3.6 | 27.022 | 0.0117 | -2.5 to 2.5 | Pass | |
| 40 | 3.6 | 30.227 | 0.0131 | -2.5 to 2.5 | Pass | | | | |
| 50 | 3.6 | 30.813 | 0.0133 | -2.5 to 2.5 | Pass | | | | |

4.2 B40a_10MHz

4.2.1 Test Result

| Band: 40a / Bandwidth: 10MHz | | | | | | | | | |
|------------------------------|-----------------|---------------|---------|-------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 2310 | 50 | 0 | 20 | 3.3 | 36.664 | 0.0159 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 31.657 | 0.0137 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 9.699 | 0.0042 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -20.485 | -0.0089 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -16.065 | -0.0070 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -48.065 | -0.0208 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -8.311 | -0.0036 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -27.008 | -0.0117 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -45.261 | -0.0196 | -2.5 to 2.5 | Pass |
| 40 | 3.6 | -30.055 | -0.0130 | -2.5 to 2.5 | Pass | | | | |
| 50 | 3.6 | -37.565 | -0.0163 | -2.5 to 2.5 | Pass | | | | |
| 16QAM | 2310 | 50 | 0 | 20 | 3.3 | -2.532 | -0.0011 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 15.135 | 0.0066 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 21.901 | 0.0095 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | 29.712 | 0.0129 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | 30.670 | 0.0133 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | 25.249 | 0.0109 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | 29.883 | 0.0129 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | 31.343 | 0.0136 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | 35.148 | 0.0152 | -2.5 to 2.5 | Pass |
| 40 | 3.6 | 37.007 | 0.0160 | -2.5 to 2.5 | Pass | | | | |
| 50 | 3.6 | 38.424 | 0.0166 | -2.5 to 2.5 | Pass | | | | |

5. Frequency Stability

5.1 B40b_5MHz

5.1.1 Test Result

| Band: 40b / Bandwidth: 5MHz | | | | | | | | | |
|-----------------------------|-----------------|---------------|--------|-------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 2352.5 | 25 | 0 | 20 | 3.3 | 21.858 | 0.0093 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 43.817 | 0.0186 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 10.400 | 0.0044 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | 19.712 | 0.0084 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | 24.576 | 0.0104 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | 35.849 | 0.0152 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | 46.849 | 0.0199 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -6.995 | -0.0030 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -1.903 | -0.0008 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | 5.693 | 0.0024 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | 13.404 | 0.0057 | -2.5 to 2.5 | Pass | | | |
| | 2355 | 25 | 0 | 20 | 3.3 | -16.336 | -0.0069 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 12.374 | 0.0053 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 21.815 | 0.0093 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | 21.601 | 0.0092 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | 34.447 | 0.0146 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | 31.528 | 0.0134 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | 38.052 | 0.0162 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -0.644 | -0.0003 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -2.561 | -0.0011 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | 0.787 | 0.0003 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | 5.651 | 0.0024 | -2.5 to 2.5 | Pass | | | |
| | 2357.5 | 25 | 0 | 20 | 3.3 | -3.834 | -0.0016 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 17.595 | 0.0075 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 25.721 | 0.0109 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | 35.820 | 0.0152 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | 32.802 | 0.0139 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | 43.502 | 0.0185 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | 40.040 | 0.0170 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | 43.859 | 0.0186 | -2.5 to 2.5 | Pass |
| 30 | | | | 3.6 | 9.756 | 0.0041 | -2.5 to 2.5 | Pass | |
| 40 | | | | 3.6 | 16.751 | 0.0071 | -2.5 to 2.5 | Pass | |
| 50 | 3.6 | 13.289 | 0.0056 | -2.5 to 2.5 | Pass | | | | |
| 16QAM | 2352.5 | 25 | 0 | 20 | 3.3 | 2.060 | 0.0009 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 28.739 | 0.0122 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -7.639 | -0.0032 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | 6.652 | 0.0028 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | 23.890 | 0.0102 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | 39.897 | 0.0170 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | 2.618 | 0.0011 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | 21.486 | 0.0091 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | 37.622 | 0.0160 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | 34.432 | 0.0146 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | 14.720 | 0.0063 | -2.5 to 2.5 | Pass | | | |
| | 2355 | 25 | 0 | 20 | 3.3 | 15.135 | 0.0064 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 47.693 | 0.0203 | -2.5 to 2.5 | Pass |

| | | | | | | | | | | | | |
|--|--------|----|---|-----|-----|--------|---------|-------------|--------|---------|-------------|------|
| | | | | | 4.2 | 12.460 | 0.0053 | -2.5 to 2.5 | Pass | | | |
| | | | | -30 | 3.6 | 29.011 | 0.0123 | -2.5 to 2.5 | Pass | | | |
| | | | | -20 | 3.6 | 38.953 | 0.0165 | -2.5 to 2.5 | Pass | | | |
| | | | | -10 | 3.6 | -9.584 | -0.0041 | -2.5 to 2.5 | Pass | | | |
| | | | | 0 | 3.6 | 5.364 | 0.0023 | -2.5 to 2.5 | Pass | | | |
| | | | | 10 | 3.6 | 12.403 | 0.0053 | -2.5 to 2.5 | Pass | | | |
| | | | | 30 | 3.6 | 22.974 | 0.0098 | -2.5 to 2.5 | Pass | | | |
| | | | | 40 | 3.6 | 36.535 | 0.0155 | -2.5 to 2.5 | Pass | | | |
| | | | | 50 | 3.6 | -3.605 | -0.0015 | -2.5 to 2.5 | Pass | | | |
| | 2357.5 | 25 | 0 | 20 | 3.3 | -8.154 | -0.0035 | -2.5 to 2.5 | Pass | | | |
| | | | | | | | | 3.6 | 16.909 | 0.0072 | -2.5 to 2.5 | Pass |
| | | | | | | | | 4.2 | 36.936 | 0.0157 | -2.5 to 2.5 | Pass |
| | | | | | | | -30 | 3.6 | 3.834 | 0.0016 | -2.5 to 2.5 | Pass |
| | | | | | | | -20 | 3.6 | 18.597 | 0.0079 | -2.5 to 2.5 | Pass |
| | | | | | | | -10 | 3.6 | 30.169 | 0.0128 | -2.5 to 2.5 | Pass |
| | | | | | | | 0 | 3.6 | 46.177 | 0.0196 | -2.5 to 2.5 | Pass |
| | | | | | | | 10 | 3.6 | -4.935 | -0.0021 | -2.5 to 2.5 | Pass |
| | | | | | | | 30 | 3.6 | 12.045 | 0.0051 | -2.5 to 2.5 | Pass |
| | | | | | | | 40 | 3.6 | 23.761 | 0.0101 | -2.5 to 2.5 | Pass |
| | | | | | | | 50 | 3.6 | 25.907 | 0.0110 | -2.5 to 2.5 | Pass |

5.2 B40b_10MHz

5.2.1 Test Result

| Band: 40b / Bandwidth: 10MHz | | | | | | | | | | | | |
|------------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|-------------|---------|-------------|------|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict | | | |
| | | Size | Offset | | | | Result | Limit | | | | |
| QPSK | 2355 | 50 | 0 | 20 | 3.3 | 12.360 | 0.0052 | -2.5 to 2.5 | Pass | | | |
| | | | | | | 3.6 | 32.773 | 0.0139 | -2.5 to 2.5 | Pass | | |
| | | | | | | 4.2 | 36.635 | 0.0156 | -2.5 to 2.5 | Pass | | |
| | | | | | | | -30 | 3.6 | 1.330 | 0.0006 | -2.5 to 2.5 | Pass |
| | | | | | | | -20 | 3.6 | 1.516 | 0.0006 | -2.5 to 2.5 | Pass |
| | | | | | | | -10 | 3.6 | 4.892 | 0.0021 | -2.5 to 2.5 | Pass |
| | | | | | | | 0 | 3.6 | 6.008 | 0.0026 | -2.5 to 2.5 | Pass |
| | | | | | | | 10 | 3.6 | 12.188 | 0.0052 | -2.5 to 2.5 | Pass |
| | | | | | | | 30 | 3.6 | 20.943 | 0.0089 | -2.5 to 2.5 | Pass |
| | | | | | | | 40 | 3.6 | 24.462 | 0.0104 | -2.5 to 2.5 | Pass |
| | | | | | | | 50 | 3.6 | 28.868 | 0.0123 | -2.5 to 2.5 | Pass |
| 16QAM | 2355 | 50 | 0 | 20 | 3.3 | 2.747 | 0.0012 | -2.5 to 2.5 | Pass | | | |
| | | | | | | 3.6 | 27.223 | 0.0116 | -2.5 to 2.5 | Pass | | |
| | | | | | | 4.2 | 1.559 | 0.0007 | -2.5 to 2.5 | Pass | | |
| | | | | | | | -30 | 3.6 | 26.064 | 0.0111 | -2.5 to 2.5 | Pass |
| | | | | | | | -20 | 3.6 | 34.804 | 0.0148 | -2.5 to 2.5 | Pass |
| | | | | | | | -10 | 3.6 | 16.508 | 0.0070 | -2.5 to 2.5 | Pass |
| | | | | | | | 0 | 3.6 | 27.151 | 0.0115 | -2.5 to 2.5 | Pass |
| | | | | | | | 10 | 3.6 | 46.577 | 0.0198 | -2.5 to 2.5 | Pass |
| | | | | | | | 30 | 3.6 | -7.911 | -0.0034 | -2.5 to 2.5 | Pass |
| | | | | | | | 40 | 3.6 | -4.764 | -0.0020 | -2.5 to 2.5 | Pass |
| | | | | | | | 50 | 3.6 | 9.441 | 0.0040 | -2.5 to 2.5 | Pass |

6. Frequency Stability

6.1 B41_5MHz

6.1.1 Test Result

| Band: 41 / Bandwidth: 5MHz | | | | | | | | | |
|----------------------------|-----------------|---------------|---------|-------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 2498.5 | 25 | 0 | 20 | 3.3 | 7.882 | 0.0032 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 33.517 | 0.0134 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 4.535 | 0.0018 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -38.095 | -0.0152 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -22.759 | -0.0091 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -16.751 | -0.0067 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -14.277 | -0.0057 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -24.490 | -0.0098 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -41.957 | -0.0168 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -8.140 | -0.0033 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | -36.306 | -0.0145 | -2.5 to 2.5 | Pass | | | |
| | 2593 | 25 | 0 | 20 | 3.3 | 9.127 | 0.0035 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 27.452 | 0.0106 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 36.163 | 0.0139 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -11.716 | -0.0045 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -7.253 | -0.0028 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -1.845 | -0.0007 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -1.674 | -0.0006 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | 4.892 | 0.0019 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | 11.015 | 0.0042 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | 13.733 | 0.0053 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | 21.243 | 0.0082 | -2.5 to 2.5 | Pass | | | |
| | 2687.5 | 25 | 0 | 20 | 3.3 | 16.637 | 0.0062 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 23.375 | 0.0087 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 7.954 | 0.0030 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -11.616 | -0.0043 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -29.211 | -0.0109 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -14.105 | -0.0052 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -5.064 | -0.0019 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -16.451 | -0.0061 | -2.5 to 2.5 | Pass |
| 30 | | | | 3.6 | -34.461 | -0.0128 | -2.5 to 2.5 | Pass | |
| 40 | | | | 3.6 | -51.942 | -0.0193 | -2.5 to 2.5 | Pass | |
| 50 | 3.6 | -21.257 | -0.0079 | -2.5 to 2.5 | Pass | | | | |
| 16QAM | 2498.5 | 25 | 0 | 20 | 3.3 | -0.014 | 0.0000 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -14.176 | -0.0057 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -16.479 | -0.0066 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -11.387 | -0.0046 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -19.083 | -0.0076 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -19.140 | -0.0077 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -14.834 | -0.0059 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -20.127 | -0.0081 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -17.653 | -0.0071 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -22.831 | -0.0091 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | -24.219 | -0.0097 | -2.5 to 2.5 | Pass | | | |
| | 2593 | 25 | 0 | 20 | 3.3 | 25.506 | 0.0098 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 33.073 | 0.0128 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 47.922 | 0.0185 | -2.5 to 2.5 | Pass |
| -30 | | | | 3.6 | 22.988 | 0.0089 | -2.5 to 2.5 | Pass | |
| -20 | 3.6 | 35.291 | 0.0136 | -2.5 to 2.5 | Pass | | | | |

| | | | | | | | | | |
|--|--------|----|---|-----|-----|---------|---------|-------------|------|
| | | | | -10 | 3.6 | 38.409 | 0.0148 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | 29.998 | 0.0116 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | 39.024 | 0.0150 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | 45.218 | 0.0174 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -1.988 | -0.0008 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.6 | 10.028 | 0.0039 | -2.5 to 2.5 | Pass |
| | 2687.5 | 25 | 0 | 20 | 3.3 | -29.612 | -0.0110 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -32.115 | -0.0119 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -25.234 | -0.0094 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -17.996 | -0.0067 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -5.765 | -0.0021 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -0.215 | -0.0001 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | 10.214 | 0.0038 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | 14.849 | 0.0055 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | 16.093 | 0.0060 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | 21.257 | 0.0079 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.6 | 28.210 | 0.0105 | -2.5 to 2.5 | Pass |

6.2 B41_10MHz

6.2.1 Test Result

| Band: 41 / Bandwidth: 10MHz | | | | | | | | | |
|-----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 2501 | 50 | 0 | 20 | 3.3 | 39.954 | 0.0160 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -22.030 | -0.0088 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -35.248 | -0.0141 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -6.595 | -0.0026 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -47.979 | -0.0192 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -34.661 | -0.0139 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -49.152 | -0.0197 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -24.405 | -0.0098 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -48.637 | -0.0194 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -33.774 | -0.0135 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.6 | -38.052 | -0.0152 | -2.5 to 2.5 | Pass |
| | | | | 2593 | 50 | 0 | 20 | 3.3 | 3.877 |
| | 3.6 | 30.270 | 0.0117 | | | | | -2.5 to 2.5 | Pass |
| | 4.2 | 39.096 | 0.0151 | | | | | -2.5 to 2.5 | Pass |
| | -30 | 3.6 | 46.477 | | | | 0.0179 | -2.5 to 2.5 | Pass |
| | -20 | 3.6 | 11.001 | | | | 0.0042 | -2.5 to 2.5 | Pass |
| | -10 | 3.6 | 16.537 | | | | 0.0064 | -2.5 to 2.5 | Pass |
| | 0 | 3.6 | 17.653 | | | | 0.0068 | -2.5 to 2.5 | Pass |
| | 10 | 3.6 | 20.657 | | | | 0.0080 | -2.5 to 2.5 | Pass |
| | 30 | 3.6 | 25.835 | | | | 0.0100 | -2.5 to 2.5 | Pass |
| | 40 | 3.6 | 28.653 | | | | 0.0111 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | 31.300 | | | | 0.0121 | -2.5 to 2.5 | Pass |
| | 2685 | 50 | 0 | | | | 20 | 3.3 | -12.460 |
| | | | | 3.6 | 6.580 | 0.0025 | | -2.5 to 2.5 | Pass |
| | | | | 4.2 | -20.113 | -0.0075 | | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -46.163 | -0.0172 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -18.396 | -0.0069 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -30.813 | -0.0115 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -30.227 | -0.0113 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -18.711 | -0.0070 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|-------|------|--------|--------|-------------|-------------|---------|-------------|-------------|------|
| | | | | 30 | 3.6 | -35.777 | -0.0133 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -39.196 | -0.0146 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.6 | -3.018 | -0.0011 | -2.5 to 2.5 | Pass |
| 16QAM | 2501 | 50 | 0 | 20 | 3.3 | -52.900 | -0.0212 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -55.919 | -0.0224 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -36.349 | -0.0145 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -34.504 | -0.0138 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -25.692 | -0.0103 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -9.441 | -0.0038 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -4.048 | -0.0016 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -5.965 | -0.0024 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -0.458 | -0.0002 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | 11.745 | 0.0047 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | 4.692 | 0.0019 | -2.5 to 2.5 | Pass | | | |
| | 2593 | 50 | 0 | 20 | 3.3 | 32.830 | 0.0127 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 45.419 | 0.0175 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 16.494 | 0.0064 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | 41.041 | 0.0158 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | 20.785 | 0.0080 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | 40.956 | 0.0158 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -6.280 | -0.0024 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | 12.560 | 0.0048 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | 25.806 | 0.0100 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | 43.302 | 0.0167 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | -5.150 | -0.0020 | -2.5 to 2.5 | Pass | | | |
| | 2685 | 50 | 0 | 20 | 3.3 | -11.044 | -0.0041 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -13.633 | -0.0051 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -5.836 | -0.0022 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | 3.920 | 0.0015 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -1.745 | -0.0006 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | 17.738 | 0.0066 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | 23.417 | 0.0087 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | 19.598 | 0.0073 | -2.5 to 2.5 | Pass |
| 30 | | | | 3.6 | 34.804 | 0.0130 | -2.5 to 2.5 | Pass | |
| 40 | | | | 3.6 | 40.441 | 0.0151 | -2.5 to 2.5 | Pass | |
| 50 | 3.6 | 30.785 | 0.0115 | -2.5 to 2.5 | Pass | | | | |

6.3 B41_15MHz

6.3.1 Test Result

| Band: 41 / Bandwidth: 15MHz | | | | | | | | | |
|-----------------------------|-----------------|---------------|---------|-------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 2503.5 | 75 | 0 | 20 | 3.3 | 34.046 | 0.0136 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 0.558 | 0.0002 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 3.576 | 0.0014 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -19.813 | -0.0079 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -47.135 | -0.0188 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -14.963 | -0.0060 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -28.167 | -0.0113 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -42.872 | -0.0171 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -27.623 | -0.0110 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -38.309 | -0.0153 | -2.5 to 2.5 | Pass |
| 50 | 3.6 | -39.196 | -0.0157 | -2.5 to 2.5 | Pass | | | | |

| | | | | | | | | | | |
|--------|--------|---------|---------|-------------|-------------|---------|-------------|-------------|-------------|------|
| | 2593 | 75 | 0 | 20 | 3.3 | 12.174 | 0.0047 | -2.5 to 2.5 | Pass | |
| | | | | | 3.6 | 31.586 | 0.0122 | -2.5 to 2.5 | Pass | |
| | | | | | 4.2 | 30.570 | 0.0118 | -2.5 to 2.5 | Pass | |
| | | | | -30 | 3.6 | 25.234 | 0.0097 | -2.5 to 2.5 | Pass | |
| | | | | | -20 | 3.6 | 24.605 | 0.0095 | -2.5 to 2.5 | Pass |
| | | | | | | 3.6 | 17.781 | 0.0069 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | 13.976 | 0.0054 | -2.5 to 2.5 | Pass | |
| | | | | | 3.6 | 15.020 | 0.0058 | -2.5 to 2.5 | Pass | |
| | | | | 30 | 3.6 | 13.461 | 0.0052 | -2.5 to 2.5 | Pass | |
| | 40 | 3.6 | 14.548 | 0.0056 | -2.5 to 2.5 | Pass | | | | |
| | 50 | 3.6 | 13.146 | 0.0051 | -2.5 to 2.5 | Pass | | | | |
| | 2682.5 | 75 | 0 | 20 | 3.3 | -9.270 | -0.0035 | -2.5 to 2.5 | Pass | |
| | | | | | 3.6 | -0.558 | -0.0002 | -2.5 to 2.5 | Pass | |
| | | | | | 4.2 | -32.287 | -0.0120 | -2.5 to 2.5 | Pass | |
| | | | | -30 | 3.6 | -7.052 | -0.0026 | -2.5 to 2.5 | Pass | |
| | | | | | -20 | 3.6 | -17.152 | -0.0064 | -2.5 to 2.5 | Pass |
| | | | | | | 3.6 | -41.084 | -0.0153 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -19.097 | -0.0071 | -2.5 to 2.5 | Pass | |
| 3.6 | | | | | -36.263 | -0.0135 | -2.5 to 2.5 | Pass | | |
| 30 | | | | 3.6 | -14.091 | -0.0053 | -2.5 to 2.5 | Pass | | |
| 40 | 3.6 | 2.189 | 0.0008 | -2.5 to 2.5 | Pass | | | | | |
| 50 | 3.6 | -6.752 | -0.0025 | -2.5 to 2.5 | Pass | | | | | |
| 16QAM | 2503.5 | 75 | 0 | 20 | 3.3 | -5.493 | -0.0022 | -2.5 to 2.5 | Pass | |
| | | | | | 3.6 | 10.185 | 0.0041 | -2.5 to 2.5 | Pass | |
| | | | | | 4.2 | 22.359 | 0.0089 | -2.5 to 2.5 | Pass | |
| | | | | -30 | 3.6 | 36.550 | 0.0146 | -2.5 to 2.5 | Pass | |
| | | | | | -20 | 3.6 | -3.147 | -0.0013 | -2.5 to 2.5 | Pass |
| | | | | | | 3.6 | -1.788 | -0.0007 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | 17.252 | 0.0069 | -2.5 to 2.5 | Pass | |
| | | | | | 3.6 | 17.366 | 0.0069 | -2.5 to 2.5 | Pass | |
| | | | | 30 | 3.6 | 26.436 | 0.0106 | -2.5 to 2.5 | Pass | |
| | 40 | 3.6 | 40.126 | 0.0160 | -2.5 to 2.5 | Pass | | | | |
| | 50 | 3.6 | 38.366 | 0.0153 | -2.5 to 2.5 | Pass | | | | |
| | 2593 | 75 | 0 | 20 | 3.3 | 16.050 | 0.0062 | -2.5 to 2.5 | Pass | |
| | | | | | 3.6 | 22.559 | 0.0087 | -2.5 to 2.5 | Pass | |
| | | | | | 4.2 | 37.050 | 0.0143 | -2.5 to 2.5 | Pass | |
| | | | | -30 | 3.6 | 20.914 | 0.0081 | -2.5 to 2.5 | Pass | |
| | | | | | -20 | 3.6 | 33.274 | 0.0128 | -2.5 to 2.5 | Pass |
| | | | | | | 3.6 | -9.012 | -0.0035 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | 3.548 | 0.0014 | -2.5 to 2.5 | Pass | |
| 3.6 | | | | | 15.750 | 0.0061 | -2.5 to 2.5 | Pass | | |
| 30 | | | | 3.6 | 24.605 | 0.0095 | -2.5 to 2.5 | Pass | | |
| 40 | 3.6 | 40.798 | 0.0157 | -2.5 to 2.5 | Pass | | | | | |
| 50 | 3.6 | -11.659 | -0.0045 | -2.5 to 2.5 | Pass | | | | | |
| 2682.5 | 75 | 0 | 20 | 3.3 | -20.299 | -0.0076 | -2.5 to 2.5 | Pass | | |
| | | | | 3.6 | -13.275 | -0.0049 | -2.5 to 2.5 | Pass | | |
| | | | | 4.2 | -6.752 | -0.0025 | -2.5 to 2.5 | Pass | | |
| | | | -30 | 3.6 | 4.764 | 0.0018 | -2.5 to 2.5 | Pass | | |
| | | | | -20 | 3.6 | 15.578 | 0.0058 | -2.5 to 2.5 | Pass | |
| | | | | | 3.6 | 20.285 | 0.0076 | -2.5 to 2.5 | Pass | |
| | | | 0 | 3.6 | 26.851 | 0.0100 | -2.5 to 2.5 | Pass | | |
| | | | | 3.6 | 37.394 | 0.0139 | -2.5 to 2.5 | Pass | | |
| | | | 30 | 3.6 | 45.319 | 0.0169 | -2.5 to 2.5 | Pass | | |
| 40 | 3.6 | -16.108 | -0.0060 | -2.5 to 2.5 | Pass | | | | | |
| 50 | 3.6 | -8.826 | -0.0033 | -2.5 to 2.5 | Pass | | | | | |

6.4 B41_20MHz

6.4.1 Test Result

| Band: 41 / Bandwidth: 20MHz | | | | | | | | | |
|-----------------------------|-----------------|---------------|---------|-------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 2506 | 100 | 0 | 20 | 3.3 | 15.063 | 0.0060 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 9.842 | 0.0039 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 7.396 | 0.0030 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -14.362 | -0.0057 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -31.443 | -0.0125 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -48.394 | -0.0193 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -36.478 | -0.0146 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -43.631 | -0.0174 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -48.323 | -0.0193 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -45.147 | -0.0180 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | -33.145 | -0.0132 | -2.5 to 2.5 | Pass | | | |
| | 2593 | 100 | 0 | 20 | 3.3 | 18.883 | 0.0073 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 32.802 | 0.0127 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 26.207 | 0.0101 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | 10.743 | 0.0041 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | 3.963 | 0.0015 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -4.921 | -0.0019 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -11.845 | -0.0046 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -19.183 | -0.0074 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -25.191 | -0.0097 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -25.692 | -0.0099 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | -29.039 | -0.0112 | -2.5 to 2.5 | Pass | | | |
| | 2680 | 100 | 0 | 20 | 3.3 | 23.103 | 0.0086 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 20.385 | 0.0076 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -16.365 | -0.0061 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -39.439 | -0.0147 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -41.728 | -0.0156 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -1.531 | -0.0006 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -19.741 | -0.0074 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -37.951 | -0.0142 | -2.5 to 2.5 | Pass |
| 30 | | | | 3.6 | -26.650 | -0.0099 | -2.5 to 2.5 | Pass | |
| 40 | | | | 3.6 | -42.100 | -0.0157 | -2.5 to 2.5 | Pass | |
| 50 | 3.6 | 4.463 | 0.0017 | -2.5 to 2.5 | Pass | | | | |
| 16QAM | 2506 | 100 | 0 | 20 | 3.3 | -3.405 | -0.0014 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -5.422 | -0.0022 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 6.881 | 0.0027 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | 22.917 | 0.0091 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | 36.278 | 0.0145 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | 10.271 | 0.0041 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | 14.720 | 0.0059 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | 29.111 | 0.0116 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | 38.953 | 0.0155 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -0.172 | -0.0001 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | 7.310 | 0.0029 | -2.5 to 2.5 | Pass | | | |
| | 2593 | 100 | 0 | 20 | 3.3 | -30.313 | -0.0117 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -20.986 | -0.0081 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -2.003 | -0.0008 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | 18.282 | 0.0071 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | 33.989 | 0.0131 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|--|------|-----|---|-----|-----|--------|---------|-------------|------|
| | | | | -10 | 3.6 | 35.205 | 0.0136 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -3.519 | -0.0014 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | 11.458 | 0.0044 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | 26.121 | 0.0101 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | 35.362 | 0.0136 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.6 | 42.686 | 0.0165 | -2.5 to 2.5 | Pass |
| | 2680 | 100 | 0 | 20 | 3.3 | -4.020 | -0.0015 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -2.933 | -0.0011 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 19.083 | 0.0071 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | 30.527 | 0.0114 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | 43.616 | 0.0163 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -7.267 | -0.0027 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | 3.262 | 0.0012 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | 10.772 | 0.0040 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | 17.381 | 0.0065 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | 19.469 | 0.0073 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.6 | 26.994 | 0.0101 | -2.5 to 2.5 | Pass |

7. Frequency Stability

7.1 B5_1.4MHz

7.1.1 Test Result

| Band: 5 / Bandwidth: 1.4MHz | | | | | | | | | |
|-----------------------------|-----------------|---------------|---------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 824.7 | 6 | 0 | 20 | 3.3 | -3.848 | -0.0047 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -13.046 | -0.0158 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -21.086 | -0.0256 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -30.813 | -0.0374 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -37.608 | -0.0456 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -43.058 | -0.0522 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | 2.031 | 0.0025 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -1.259 | -0.0015 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -4.663 | -0.0057 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -6.294 | -0.0076 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.6 | -9.055 | -0.0110 | -2.5 to 2.5 | Pass |
| | | | | 836.5 | 6 | 0 | 20 | 3.3 | 17.052 |
| | 3.6 | 0.944 | 0.0011 | | | | | -2.5 to 2.5 | Pass |
| | 4.2 | -14.734 | -0.0176 | | | | | -2.5 to 2.5 | Pass |
| | -30 | 3.6 | -30.155 | | | | -0.0360 | -2.5 to 2.5 | Pass |
| | -20 | 3.6 | -45.090 | | | | -0.0539 | -2.5 to 2.5 | Pass |
| | -10 | 3.6 | -8.240 | | | | -0.0099 | -2.5 to 2.5 | Pass |
| | 0 | 3.6 | -16.766 | | | | -0.0200 | -2.5 to 2.5 | Pass |
| | 10 | 3.6 | -26.622 | | | | -0.0318 | -2.5 to 2.5 | Pass |
| | 30 | 3.6 | -33.989 | | | | -0.0406 | -2.5 to 2.5 | Pass |
| | 40 | 3.6 | -40.298 | | | | -0.0482 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | -44.789 | | | | -0.0535 | -2.5 to 2.5 | Pass |
| | 848.3 | 6 | 0 | | | | 20 | 3.3 | 1.144 |
| | | | | 3.6 | -2.389 | -0.0028 | | -2.5 to 2.5 | Pass |
| | | | | 4.2 | -12.417 | -0.0146 | | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -20.471 | -0.0241 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -26.565 | -0.0313 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|-------|-------|---------|---------|-------------|-------------|---------|-------------|-------------|------|
| | | | | -10 | 3.6 | -34.347 | -0.0405 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -40.841 | -0.0481 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -47.708 | -0.0562 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -2.561 | -0.0030 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -7.181 | -0.0085 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.6 | -9.112 | -0.0107 | -2.5 to 2.5 | Pass |
| 16QAM | 824.7 | 6 | 0 | 20 | 3.3 | -9.756 | -0.0118 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -12.031 | -0.0146 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -9.999 | -0.0121 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -8.969 | -0.0109 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -8.597 | -0.0104 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -7.939 | -0.0096 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -6.208 | -0.0075 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -6.166 | -0.0075 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -6.251 | -0.0076 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -5.336 | -0.0065 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | -5.665 | -0.0069 | -2.5 to 2.5 | Pass | | | |
| | 836.5 | 6 | 0 | 20 | 3.3 | -0.901 | -0.0011 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -2.217 | -0.0027 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -3.476 | -0.0042 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -3.963 | -0.0047 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -6.208 | -0.0074 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -6.080 | -0.0073 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -7.081 | -0.0085 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -7.224 | -0.0086 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -7.410 | -0.0089 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -8.111 | -0.0097 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | -7.195 | -0.0086 | -2.5 to 2.5 | Pass | | | |
| | 848.3 | 6 | 0 | 20 | 3.3 | -15.893 | -0.0187 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -18.082 | -0.0213 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -17.438 | -0.0206 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -17.881 | -0.0211 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -18.940 | -0.0223 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -18.754 | -0.0221 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -20.843 | -0.0246 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -20.928 | -0.0247 | -2.5 to 2.5 | Pass |
| 30 | | | | 3.6 | -21.687 | -0.0256 | -2.5 to 2.5 | Pass | |
| 40 | | | | 3.6 | -21.458 | -0.0253 | -2.5 to 2.5 | Pass | |
| 50 | 3.6 | -23.375 | -0.0276 | -2.5 to 2.5 | Pass | | | | |

7.2 B5_3MHz

7.2.1 Test Result

| Band: 5 / Bandwidth: 3MHz | | | | | | | | | |
|---------------------------|-----------------|---------------|---------|-------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 825.5 | 15 | 0 | 20 | 3.3 | 4.334 | 0.0053 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -8.612 | -0.0104 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -30.813 | -0.0373 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -2.561 | -0.0031 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -20.213 | -0.0245 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -33.917 | -0.0411 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -29.469 | -0.0357 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -11.373 | -0.0138 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -20.428 | -0.0247 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -29.168 | -0.0353 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | -36.664 | -0.0444 | -2.5 to 2.5 | Pass | | | |
| | 836.5 | 15 | 0 | 20 | 3.3 | -0.486 | -0.0006 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 1.001 | 0.0012 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 2.003 | 0.0024 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | 1.431 | 0.0017 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | 1.502 | 0.0018 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -0.472 | -0.0006 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | 1.302 | 0.0016 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | 1.087 | 0.0013 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | 1.173 | 0.0014 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | 0.987 | 0.0012 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | 1.559 | 0.0019 | -2.5 to 2.5 | Pass | | | |
| | 847.5 | 15 | 0 | 20 | 3.3 | -1.717 | -0.0020 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -4.177 | -0.0049 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -13.847 | -0.0163 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -20.928 | -0.0247 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -29.655 | -0.0350 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -35.663 | -0.0421 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -39.840 | -0.0470 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -46.349 | -0.0547 | -2.5 to 2.5 | Pass |
| 30 | | | | 3.6 | -0.830 | -0.0010 | -2.5 to 2.5 | Pass | |
| 40 | | | | 3.6 | -3.362 | -0.0040 | -2.5 to 2.5 | Pass | |
| 50 | 3.6 | -7.353 | -0.0087 | -2.5 to 2.5 | Pass | | | | |
| 16QAM | 825.5 | 15 | 0 | 20 | 3.3 | -42.858 | -0.0519 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -47.078 | -0.0570 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -35.148 | -0.0426 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -14.806 | -0.0179 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -15.235 | -0.0185 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -19.040 | -0.0231 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -20.413 | -0.0247 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -22.216 | -0.0269 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -22.488 | -0.0272 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -26.894 | -0.0326 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | -28.768 | -0.0348 | -2.5 to 2.5 | Pass | | | |
| | 836.5 | 15 | 0 | 20 | 3.3 | 1.044 | 0.0012 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 2.632 | 0.0031 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 4.206 | 0.0050 | -2.5 to 2.5 | Pass |

| | | | | | | | | | | | | |
|--|-----|---------|---------|---------|-------------|--------|---------|-------------|---------|---------|-------------|------|
| | | | | -30 | 3.6 | 8.097 | 0.0097 | -2.5 to 2.5 | Pass | | | |
| | | | | -20 | 3.6 | 10.543 | 0.0126 | -2.5 to 2.5 | Pass | | | |
| | | | | -10 | 3.6 | 11.959 | 0.0143 | -2.5 to 2.5 | Pass | | | |
| | | | | 0 | 3.6 | 14.377 | 0.0172 | -2.5 to 2.5 | Pass | | | |
| | | | | 10 | 3.6 | 15.807 | 0.0189 | -2.5 to 2.5 | Pass | | | |
| | | | | 30 | 3.6 | 16.866 | 0.0202 | -2.5 to 2.5 | Pass | | | |
| | | | | 40 | 3.6 | 19.398 | 0.0232 | -2.5 to 2.5 | Pass | | | |
| | | | | 50 | 3.6 | 20.142 | 0.0241 | -2.5 to 2.5 | Pass | | | |
| | | | | 847.5 | 15 | 0 | 20 | 3.3 | -11.587 | -0.0137 | -2.5 to 2.5 | Pass |
| | | | | | | | | 3.6 | -12.689 | -0.0150 | -2.5 to 2.5 | Pass |
| | 4.2 | -12.631 | -0.0149 | | | | | -2.5 to 2.5 | Pass | | | |
| | -30 | 3.6 | -12.474 | | | | -0.0147 | -2.5 to 2.5 | Pass | | | |
| | -20 | 3.6 | -13.189 | | | | -0.0156 | -2.5 to 2.5 | Pass | | | |
| | -10 | 3.6 | -13.132 | | | | -0.0155 | -2.5 to 2.5 | Pass | | | |
| | 0 | 3.6 | -13.704 | | | | -0.0162 | -2.5 to 2.5 | Pass | | | |
| | 10 | 3.6 | -13.103 | | | | -0.0155 | -2.5 to 2.5 | Pass | | | |
| | 30 | 3.6 | -13.433 | | | | -0.0159 | -2.5 to 2.5 | Pass | | | |
| | 40 | 3.6 | -14.005 | | | | -0.0165 | -2.5 to 2.5 | Pass | | | |
| | 50 | 3.6 | -14.405 | -0.0170 | -2.5 to 2.5 | Pass | | | | | | |

7.3 B5_5MHz

7.3.1 Test Result

| Band: 5 / Bandwidth: 5MHz | | | | | | | | | | | | |
|---------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|---------|-------------|------|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict | | | |
| | | Size | Offset | | | | Result | Limit | | | | |
| QPSK | 826.5 | 25 | 0 | 20 | 3.3 | 9.327 | 0.0113 | -2.5 to 2.5 | Pass | | | |
| | | | | | 3.6 | 8.998 | 0.0109 | -2.5 to 2.5 | Pass | | | |
| | | | | | 4.2 | 5.851 | 0.0071 | -2.5 to 2.5 | Pass | | | |
| | | | | -30 | 3.6 | 2.575 | 0.0031 | -2.5 to 2.5 | Pass | | | |
| | | | | -20 | 3.6 | -0.157 | -0.0002 | -2.5 to 2.5 | Pass | | | |
| | | | | -10 | 3.6 | -2.646 | -0.0032 | -2.5 to 2.5 | Pass | | | |
| | | | | 0 | 3.6 | -5.651 | -0.0068 | -2.5 to 2.5 | Pass | | | |
| | | | | 10 | 3.6 | -7.052 | -0.0085 | -2.5 to 2.5 | Pass | | | |
| | | | | 30 | 3.6 | -8.926 | -0.0108 | -2.5 to 2.5 | Pass | | | |
| | | | | 40 | 3.6 | -11.172 | -0.0135 | -2.5 to 2.5 | Pass | | | |
| | | | | 50 | 3.6 | -11.802 | -0.0143 | -2.5 to 2.5 | Pass | | | |
| | | | | 836.5 | 25 | 0 | 20 | 3.3 | 3.920 | 0.0047 | -2.5 to 2.5 | Pass |
| | | | | | | | | 3.6 | 7.610 | 0.0091 | -2.5 to 2.5 | Pass |
| | | | | | | | | 4.2 | 9.670 | 0.0116 | -2.5 to 2.5 | Pass |
| | | | | | | | -30 | 3.6 | 9.570 | 0.0114 | -2.5 to 2.5 | Pass |
| | -20 | 3.6 | 11.816 | | | | 0.0141 | -2.5 to 2.5 | Pass | | | |
| | -10 | 3.6 | 12.145 | | | | 0.0145 | -2.5 to 2.5 | Pass | | | |
| | 0 | 3.6 | 13.533 | | | | 0.0162 | -2.5 to 2.5 | Pass | | | |
| | 10 | 3.6 | 15.020 | | | | 0.0180 | -2.5 to 2.5 | Pass | | | |
| | 30 | 3.6 | 14.620 | | | | 0.0175 | -2.5 to 2.5 | Pass | | | |
| | 40 | 3.6 | 16.351 | | | | 0.0195 | -2.5 to 2.5 | Pass | | | |
| | 50 | 3.6 | 16.365 | | | | 0.0196 | -2.5 to 2.5 | Pass | | | |
| | 846.5 | 25 | 0 | | | | 20 | 3.3 | -0.229 | -0.0003 | -2.5 to 2.5 | Pass |
| | | | | | | | | 3.6 | -2.933 | -0.0035 | -2.5 to 2.5 | Pass |
| | | | | | | | | 4.2 | -11.773 | -0.0139 | -2.5 to 2.5 | Pass |
| | | | | | | | -30 | 3.6 | -18.897 | -0.0223 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -24.905 | -0.0294 | -2.5 to 2.5 | Pass | | | |
| | | | | -10 | 3.6 | -30.956 | -0.0366 | -2.5 to 2.5 | Pass | | | |

| | | | | | | | | | |
|-------|-------|--------|---------|-------------|-------------|---------|-------------|-------------|------|
| | | | | 0 | 3.6 | -36.721 | -0.0434 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -41.971 | -0.0496 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -46.663 | -0.0551 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -0.572 | -0.0007 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.6 | -4.263 | -0.0050 | -2.5 to 2.5 | Pass |
| 16QAM | 826.5 | 25 | 0 | 20 | 3.3 | -14.577 | -0.0176 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -14.248 | -0.0172 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -12.789 | -0.0155 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -10.571 | -0.0128 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -10.600 | -0.0128 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -9.384 | -0.0114 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -7.339 | -0.0089 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -8.898 | -0.0108 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -7.968 | -0.0096 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -6.795 | -0.0082 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | -6.437 | -0.0078 | -2.5 to 2.5 | Pass | | | |
| | 836.5 | 25 | 0 | 20 | 3.3 | 17.710 | 0.0212 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 22.216 | 0.0266 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 23.446 | 0.0280 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | 27.881 | 0.0333 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | 30.327 | 0.0363 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | 32.372 | 0.0387 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | 35.563 | 0.0425 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | 37.551 | 0.0449 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | 40.827 | 0.0488 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | 42.529 | 0.0508 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | 44.832 | 0.0536 | -2.5 to 2.5 | Pass | | | |
| | 846.5 | 25 | 0 | 20 | 3.3 | -8.297 | -0.0098 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -6.523 | -0.0077 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -6.595 | -0.0078 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -6.309 | -0.0075 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -7.153 | -0.0085 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -7.052 | -0.0083 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -6.208 | -0.0073 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -6.151 | -0.0073 | -2.5 to 2.5 | Pass |
| 30 | | | | 3.6 | -6.065 | -0.0072 | -2.5 to 2.5 | Pass | |
| 40 | | | | 3.6 | -6.237 | -0.0074 | -2.5 to 2.5 | Pass | |
| 50 | 3.6 | -5.951 | -0.0070 | -2.5 to 2.5 | Pass | | | | |

7.4 B5_10MHz

7.4.1 Test Result

| Band: 5 / Bandwidth: 10MHz | | | | | | | | | |
|----------------------------|-----------------|---------------|---------|-------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 829 | 50 | 0 | 20 | 3.3 | 13.046 | 0.0157 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 13.833 | 0.0167 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 11.444 | 0.0138 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | 9.985 | 0.0120 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | 5.965 | 0.0072 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | 5.336 | 0.0064 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | 3.262 | 0.0039 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | 2.174 | 0.0026 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | 0.358 | 0.0004 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -0.944 | -0.0011 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | -2.718 | -0.0033 | -2.5 to 2.5 | Pass | | | |
| | 836.5 | 50 | 0 | 20 | 3.3 | -0.572 | -0.0007 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 1.402 | 0.0017 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 2.403 | 0.0029 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | 1.488 | 0.0018 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | 1.960 | 0.0023 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | 2.389 | 0.0029 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | 2.632 | 0.0031 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | 4.048 | 0.0048 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | 3.076 | 0.0037 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | 1.717 | 0.0021 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | 3.676 | 0.0044 | -2.5 to 2.5 | Pass | | | |
| | 844 | 50 | 0 | 20 | 3.3 | 1.974 | 0.0023 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -4.263 | -0.0051 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -11.730 | -0.0139 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -17.610 | -0.0209 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -24.204 | -0.0287 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -29.111 | -0.0345 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -33.088 | -0.0392 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -36.893 | -0.0437 | -2.5 to 2.5 | Pass |
| 30 | | | | 3.6 | -40.569 | -0.0481 | -2.5 to 2.5 | Pass | |
| 40 | | | | 3.6 | -42.515 | -0.0504 | -2.5 to 2.5 | Pass | |
| 50 | 3.6 | -46.577 | -0.0552 | -2.5 to 2.5 | Pass | | | | |
| 16QAM | 829 | 50 | 0 | 20 | 3.3 | -4.191 | -0.0051 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -1.674 | -0.0020 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 0.887 | 0.0011 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | 2.632 | 0.0032 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | 4.177 | 0.0050 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | 4.263 | 0.0051 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | 6.151 | 0.0074 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | 8.211 | 0.0099 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | 9.212 | 0.0111 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | 10.972 | 0.0132 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | 11.244 | 0.0136 | -2.5 to 2.5 | Pass | | | |
| | 836.5 | 50 | 0 | 20 | 3.3 | 3.848 | 0.0046 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 8.597 | 0.0103 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 12.474 | 0.0149 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|--|-----|----|---|-----|-----|--------|--------|-------------|------|
| | | | | -30 | 3.6 | 15.407 | 0.0184 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | 18.783 | 0.0225 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | 22.244 | 0.0266 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | 24.362 | 0.0291 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | 26.450 | 0.0316 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | 28.524 | 0.0341 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | 31.700 | 0.0379 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.6 | 33.703 | 0.0403 | -2.5 to 2.5 | Pass |
| | 844 | 50 | 0 | 20 | 3.3 | 1.216 | 0.0014 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 1.960 | 0.0023 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 3.576 | 0.0042 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | 6.566 | 0.0078 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | 6.480 | 0.0077 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | 8.082 | 0.0096 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | 8.612 | 0.0102 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | 8.039 | 0.0095 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | 8.740 | 0.0104 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | 10.686 | 0.0127 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.6 | 11.058 | 0.0131 | -2.5 to 2.5 | Pass |

8. Frequency Stability

8.1 B7_5MHz

8.1.1 Test Result

| Band: 7 / Bandwidth: 5MHz | | | | | | | | | | | | |
|---------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|---------|-------------|------|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict | | | |
| | | Size | Offset | | | | Result | Limit | | | | |
| QPSK | 2502.5 | 25 | 0 | 20 | 3.3 | 22.659 | 0.0091 | -2.5 to 2.5 | Pass | | | |
| | | | | | 3.6 | 56.648 | 0.0226 | -2.5 to 2.5 | Pass | | | |
| | | | | | 4.2 | 42.243 | 0.0169 | -2.5 to 2.5 | Pass | | | |
| | | | | -30 | 3.6 | 7.553 | 0.0030 | -2.5 to 2.5 | Pass | | | |
| | | | | -20 | 3.6 | -32.172 | -0.0129 | -2.5 to 2.5 | Pass | | | |
| | | | | -10 | 3.6 | -21.429 | -0.0086 | -2.5 to 2.5 | Pass | | | |
| | | | | 0 | 3.6 | -0.486 | -0.0002 | -2.5 to 2.5 | Pass | | | |
| | | | | 10 | 3.6 | -39.725 | -0.0159 | -2.5 to 2.5 | Pass | | | |
| | | | | 30 | 3.6 | -39.268 | -0.0157 | -2.5 to 2.5 | Pass | | | |
| | | | | 40 | 3.6 | -22.945 | -0.0092 | -2.5 to 2.5 | Pass | | | |
| | 50 | 3.6 | 5.522 | 0.0022 | -2.5 to 2.5 | Pass | | | | | | |
| | 2535 | 25 | 0 | 20 | 3.3 | 9.227 | 0.0036 | -2.5 to 2.5 | Pass | | | |
| | | | | | 3.6 | 26.622 | 0.0105 | -2.5 to 2.5 | Pass | | | |
| | | | | | 4.2 | 34.790 | 0.0137 | -2.5 to 2.5 | Pass | | | |
| | | | | -30 | 3.6 | -0.272 | -0.0001 | -2.5 to 2.5 | Pass | | | |
| | | | | -20 | 3.6 | 1.259 | 0.0005 | -2.5 to 2.5 | Pass | | | |
| | | | | -10 | 3.6 | 3.047 | 0.0012 | -2.5 to 2.5 | Pass | | | |
| | | | | 0 | 3.6 | 3.562 | 0.0014 | -2.5 to 2.5 | Pass | | | |
| | | | | 10 | 3.6 | 3.119 | 0.0012 | -2.5 to 2.5 | Pass | | | |
| | | | | 30 | 3.6 | 1.101 | 0.0004 | -2.5 to 2.5 | Pass | | | |
| | | | | 40 | 3.6 | 2.747 | 0.0011 | -2.5 to 2.5 | Pass | | | |
| | | | | 50 | 3.6 | 1.903 | 0.0008 | -2.5 to 2.5 | Pass | | | |
| | | | | 2567.5 | 25 | 0 | 20 | 3.3 | 20.971 | 0.0082 | -2.5 to 2.5 | Pass |
| | | | | | | | | 3.6 | 8.383 | 0.0033 | -2.5 to 2.5 | Pass |
| | | | | | | | | 4.2 | -40.054 | -0.0156 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|-------|--------|---------|---------|-------------|-------------|---------|-------------|-------------|------|
| | | | | -30 | 3.6 | -35.877 | -0.0140 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | 7.210 | 0.0028 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -9.942 | -0.0039 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -25.392 | -0.0099 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -22.445 | -0.0087 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -26.422 | -0.0103 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -8.526 | -0.0033 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.6 | -45.633 | -0.0178 | -2.5 to 2.5 | Pass |
| 16QAM | 2502.5 | 25 | 0 | 20 | 3.3 | -23.847 | -0.0095 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -45.376 | -0.0181 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -16.565 | -0.0066 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -27.766 | -0.0111 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -29.054 | -0.0116 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -35.706 | -0.0143 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -15.564 | -0.0062 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -4.206 | -0.0017 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -13.390 | -0.0054 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -17.967 | -0.0072 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | -35.577 | -0.0142 | -2.5 to 2.5 | Pass | | | |
| | 2535 | 25 | 0 | 20 | 3.3 | -1.960 | -0.0008 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 1.130 | 0.0004 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 14.977 | 0.0059 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | 25.649 | 0.0101 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | 37.379 | 0.0147 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -5.350 | -0.0021 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | 5.593 | 0.0022 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | 20.156 | 0.0080 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | 27.094 | 0.0107 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | 38.052 | 0.0150 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | 48.995 | 0.0193 | -2.5 to 2.5 | Pass | | | |
| | 2567.5 | 25 | 0 | 20 | 3.3 | -46.535 | -0.0181 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -6.781 | -0.0026 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -19.269 | -0.0075 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -35.248 | -0.0137 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -44.904 | -0.0175 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -21.958 | -0.0086 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -30.828 | -0.0120 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -46.105 | -0.0180 | -2.5 to 2.5 | Pass |
| 30 | | | | 3.6 | -3.548 | -0.0014 | -2.5 to 2.5 | Pass | |
| 40 | | | | 3.6 | -13.847 | -0.0054 | -2.5 to 2.5 | Pass | |
| 50 | 3.6 | -24.304 | -0.0095 | -2.5 to 2.5 | Pass | | | | |

8.2 B7_10MHz

8.2.1 Test Result

| Band: 7 / Bandwidth: 10MHz | | | | | | | | | |
|----------------------------|-----------------|---------------|---------|-------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 2505 | 50 | 0 | 20 | 3.3 | 18.783 | 0.0075 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 20.657 | 0.0082 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -2.003 | -0.0008 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -32.644 | -0.0130 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -1.674 | -0.0007 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -30.198 | -0.0121 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -18.926 | -0.0076 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | 4.034 | 0.0016 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -21.529 | -0.0086 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -43.945 | -0.0175 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | -29.984 | -0.0120 | -2.5 to 2.5 | Pass | | | |
| | 2535 | 50 | 0 | 20 | 3.3 | 17.123 | 0.0068 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 42.286 | 0.0167 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 22.230 | 0.0088 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | 34.933 | 0.0138 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | 26.994 | 0.0106 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | 3.319 | 0.0013 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | 9.942 | 0.0039 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | 15.650 | 0.0062 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | 22.230 | 0.0088 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | 20.399 | 0.0080 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | 28.653 | 0.0113 | -2.5 to 2.5 | Pass | | | |
| | 2565 | 50 | 0 | 20 | 3.3 | 12.960 | 0.0051 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -18.640 | -0.0073 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -15.249 | -0.0059 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -15.850 | -0.0062 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -31.958 | -0.0125 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -13.561 | -0.0053 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -7.896 | -0.0031 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -47.092 | -0.0184 | -2.5 to 2.5 | Pass |
| 30 | | | | 3.6 | -37.265 | -0.0145 | -2.5 to 2.5 | Pass | |
| 40 | | | | 3.6 | -20.156 | -0.0079 | -2.5 to 2.5 | Pass | |
| 50 | 3.6 | -51.155 | -0.0199 | -2.5 to 2.5 | Pass | | | | |
| 16QAM | 2505 | 50 | 0 | 20 | 3.3 | 0.744 | 0.0003 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 7.067 | 0.0028 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 9.184 | 0.0037 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | 13.089 | 0.0052 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | 17.338 | 0.0069 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | 20.213 | 0.0081 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | 17.481 | 0.0070 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | 19.369 | 0.0077 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | 18.954 | 0.0076 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | 15.507 | 0.0062 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | 15.764 | 0.0063 | -2.5 to 2.5 | Pass | | | |
| | 2535 | 50 | 0 | 20 | 3.3 | 35.248 | 0.0139 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 43.173 | 0.0170 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 4.506 | 0.0018 | -2.5 to 2.5 | Pass |

| | | | | | | | | | | | | |
|--|-----|---------|---------|---------|-------------|--------|---------|-------------|---------|---------|-------------|------|
| | | | | -30 | 3.6 | 21.758 | 0.0086 | -2.5 to 2.5 | Pass | | | |
| | | | | -20 | 3.6 | 37.222 | 0.0147 | -2.5 to 2.5 | Pass | | | |
| | | | | -10 | 3.6 | 18.482 | 0.0073 | -2.5 to 2.5 | Pass | | | |
| | | | | 0 | 3.6 | 32.029 | 0.0126 | -2.5 to 2.5 | Pass | | | |
| | | | | 10 | 3.6 | 46.005 | 0.0181 | -2.5 to 2.5 | Pass | | | |
| | | | | 30 | 3.6 | -2.360 | -0.0009 | -2.5 to 2.5 | Pass | | | |
| | | | | 40 | 3.6 | 11.144 | 0.0044 | -2.5 to 2.5 | Pass | | | |
| | | | | 50 | 3.6 | 23.174 | 0.0091 | -2.5 to 2.5 | Pass | | | |
| | | | | 2565 | 50 | 0 | 20 | 3.3 | -24.333 | -0.0095 | -2.5 to 2.5 | Pass |
| | | | | | | | | 3.6 | -0.858 | -0.0003 | -2.5 to 2.5 | Pass |
| | 4.2 | -10.629 | -0.0041 | | | | | -2.5 to 2.5 | Pass | | | |
| | -30 | 3.6 | -13.604 | | | | -0.0053 | -2.5 to 2.5 | Pass | | | |
| | -20 | 3.6 | -21.000 | | | | -0.0082 | -2.5 to 2.5 | Pass | | | |
| | -10 | 3.6 | -28.224 | | | | -0.0110 | -2.5 to 2.5 | Pass | | | |
| | 0 | 3.6 | -30.656 | | | | -0.0120 | -2.5 to 2.5 | Pass | | | |
| | 10 | 3.6 | -37.766 | | | | -0.0147 | -2.5 to 2.5 | Pass | | | |
| | 30 | 3.6 | -34.375 | | | | -0.0134 | -2.5 to 2.5 | Pass | | | |
| | 40 | 3.6 | -6.666 | | | | -0.0026 | -2.5 to 2.5 | Pass | | | |
| | 50 | 3.6 | -13.189 | -0.0051 | -2.5 to 2.5 | Pass | | | | | | |

8.3 B7_15MHz

8.3.1 Test Result

| Band: 7 / Bandwidth: 15MHz | | | | | | | | | | | | |
|----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|---------|-------------|------|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict | | | |
| | | Size | Offset | | | | Result | Limit | | | | |
| QPSK | 2507.5 | 75 | 0 | 20 | 3.3 | 27.823 | 0.0111 | -2.5 to 2.5 | Pass | | | |
| | | | | | 3.6 | 25.148 | 0.0100 | -2.5 to 2.5 | Pass | | | |
| | | | | | 4.2 | 0.844 | 0.0003 | -2.5 to 2.5 | Pass | | | |
| | | | | -30 | 3.6 | -22.302 | -0.0089 | -2.5 to 2.5 | Pass | | | |
| | | | | -20 | 3.6 | -14.148 | -0.0056 | -2.5 to 2.5 | Pass | | | |
| | | | | -10 | 3.6 | -31.543 | -0.0126 | -2.5 to 2.5 | Pass | | | |
| | | | | 0 | 3.6 | -7.410 | -0.0030 | -2.5 to 2.5 | Pass | | | |
| | | | | 10 | 3.6 | -27.967 | -0.0112 | -2.5 to 2.5 | Pass | | | |
| | | | | 30 | 3.6 | 2.546 | 0.0010 | -2.5 to 2.5 | Pass | | | |
| | | | | 40 | 3.6 | -19.927 | -0.0079 | -2.5 to 2.5 | Pass | | | |
| | | | | 50 | 3.6 | -38.853 | -0.0155 | -2.5 to 2.5 | Pass | | | |
| | | | | 2535 | 75 | 0 | 20 | 3.3 | 30.413 | 0.0120 | -2.5 to 2.5 | Pass |
| | | | | | | | | 3.6 | 8.268 | 0.0033 | -2.5 to 2.5 | Pass |
| | | | | | | | | 4.2 | 27.394 | 0.0108 | -2.5 to 2.5 | Pass |
| | | | | | | | -30 | 3.6 | 41.127 | 0.0162 | -2.5 to 2.5 | Pass |
| | -20 | 3.6 | 17.610 | | | | 0.0069 | -2.5 to 2.5 | Pass | | | |
| | -10 | 3.6 | 28.396 | | | | 0.0112 | -2.5 to 2.5 | Pass | | | |
| | 0 | 3.6 | 38.166 | | | | 0.0151 | -2.5 to 2.5 | Pass | | | |
| | 10 | 3.6 | 46.678 | | | | 0.0184 | -2.5 to 2.5 | Pass | | | |
| | 30 | 3.6 | -7.081 | | | | -0.0028 | -2.5 to 2.5 | Pass | | | |
| | 40 | 3.6 | -1.087 | | | | -0.0004 | -2.5 to 2.5 | Pass | | | |
| | 50 | 3.6 | 3.104 | | | | 0.0012 | -2.5 to 2.5 | Pass | | | |
| | 2562.5 | 75 | 0 | | | | 20 | 3.3 | 18.911 | 0.0074 | -2.5 to 2.5 | Pass |
| | | | | | | | | 3.6 | -12.288 | -0.0048 | -2.5 to 2.5 | Pass |
| | | | | | | | | 4.2 | -31.886 | -0.0124 | -2.5 to 2.5 | Pass |
| | | | | | | | -30 | 3.6 | -28.582 | -0.0112 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -38.767 | -0.0151 | -2.5 to 2.5 | Pass | | | |
| | | | | -10 | 3.6 | -38.438 | -0.0150 | -2.5 to 2.5 | Pass | | | |

| | | | | | | | | | |
|-------|--------|-----|---------|---------|-------------|---------|---------|-------------|------|
| | | | | 0 | 3.6 | -30.985 | -0.0121 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -16.422 | -0.0064 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -32.601 | -0.0127 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -14.734 | -0.0057 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.6 | -43.974 | -0.0172 | -2.5 to 2.5 | Pass |
| 16QAM | 2507.5 | 75 | 0 | 20 | 3.3 | -27.237 | -0.0109 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -19.412 | -0.0077 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -13.804 | -0.0055 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -13.275 | -0.0053 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -5.736 | -0.0023 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -1.845 | -0.0007 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | 0.687 | 0.0003 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | 0.615 | 0.0002 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | 3.991 | 0.0016 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -1.073 | -0.0004 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | 1.931 | 0.0008 | -2.5 to 2.5 | Pass | | | |
| | 2535 | 75 | 0 | 20 | 3.3 | 10.057 | 0.0040 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 31.314 | 0.0124 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 11.144 | 0.0044 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | 8.726 | 0.0034 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | 28.710 | 0.0113 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | 21.300 | 0.0084 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | 30.298 | 0.0120 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | 38.280 | 0.0151 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | 8.326 | 0.0033 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | 21.715 | 0.0086 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | 36.192 | 0.0143 | -2.5 to 2.5 | Pass | | | |
| | 2562.5 | 75 | 0 | 20 | 3.3 | -32.330 | -0.0126 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -44.389 | -0.0173 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -0.358 | -0.0001 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -1.559 | -0.0006 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -4.091 | -0.0016 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -8.183 | -0.0032 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -15.807 | -0.0062 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -21.873 | -0.0085 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -26.093 | -0.0102 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -29.926 | -0.0117 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | -34.862 | -0.0136 | -2.5 to 2.5 | Pass | | | |

8.4 B7_20MHz

8.4.1 Test Result

| Band: 7 / Bandwidth: 20MHz | | | | | | | | | |
|----------------------------|-----------------|---------------|---------|-------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 2510 | 100 | 0 | 20 | 3.3 | 37.408 | 0.0149 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 30.398 | 0.0121 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 10.414 | 0.0041 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -16.007 | -0.0064 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -30.055 | -0.0120 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -23.818 | -0.0095 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -3.290 | -0.0013 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -9.727 | -0.0039 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | -24.605 | -0.0098 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | -37.594 | -0.0150 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | -49.481 | -0.0197 | -2.5 to 2.5 | Pass | | | |
| | 2535 | 100 | 0 | 20 | 3.3 | 28.224 | 0.0111 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -10.843 | -0.0043 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 10.529 | 0.0042 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | 23.546 | 0.0093 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | 33.102 | 0.0131 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -2.847 | -0.0011 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | 6.223 | 0.0025 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | 14.420 | 0.0057 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | 22.745 | 0.0090 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | 31.643 | 0.0125 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | 40.426 | 0.0159 | -2.5 to 2.5 | Pass | | | |
| | 2560 | 100 | 0 | 20 | 3.3 | 20.957 | 0.0082 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -20.156 | -0.0079 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -41.370 | -0.0162 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -9.384 | -0.0037 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -6.409 | -0.0025 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -41.528 | -0.0162 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | -14.663 | -0.0057 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | -28.439 | -0.0111 | -2.5 to 2.5 | Pass |
| 30 | | | | 3.6 | -30.499 | -0.0119 | -2.5 to 2.5 | Pass | |
| 40 | | | | 3.6 | 6.938 | 0.0027 | -2.5 to 2.5 | Pass | |
| 50 | 3.6 | -14.606 | -0.0057 | -2.5 to 2.5 | Pass | | | | |
| 16QAM | 2510 | 100 | 0 | 20 | 3.3 | -26.765 | -0.0107 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | -22.445 | -0.0089 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -16.508 | -0.0066 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.6 | -6.137 | -0.0024 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.6 | -5.336 | -0.0021 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.6 | -1.359 | -0.0005 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.6 | 4.706 | 0.0019 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.6 | 5.093 | 0.0020 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.6 | 7.296 | 0.0029 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.6 | 8.698 | 0.0035 | -2.5 to 2.5 | Pass |
| | 50 | 3.6 | 7.010 | 0.0028 | -2.5 to 2.5 | Pass | | | |
| | 2535 | 100 | 0 | 20 | 3.3 | 40.627 | 0.0160 | -2.5 to 2.5 | Pass |
| | | | | | 3.6 | 26.994 | 0.0106 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | 29.240 | 0.0115 | -2.5 to 2.5 | Pass |

| | | | | | | | | | | | | |
|-----|------|-----|---|-----|---------|---------|-------------|-------------|---------|---------|-------------|------|
| | | | | -30 | 3.6 | 32.930 | 0.0130 | -2.5 to 2.5 | Pass | | | |
| | | | | -20 | 3.6 | -6.065 | -0.0024 | -2.5 to 2.5 | Pass | | | |
| | | | | -10 | 3.6 | 6.838 | 0.0027 | -2.5 to 2.5 | Pass | | | |
| | | | | 0 | 3.6 | 22.988 | 0.0091 | -2.5 to 2.5 | Pass | | | |
| | | | | 10 | 3.6 | 35.234 | 0.0139 | -2.5 to 2.5 | Pass | | | |
| | | | | 30 | 3.6 | 0.358 | 0.0001 | -2.5 to 2.5 | Pass | | | |
| | | | | 40 | 3.6 | 15.507 | 0.0061 | -2.5 to 2.5 | Pass | | | |
| | | | | 50 | 3.6 | 26.822 | 0.0106 | -2.5 to 2.5 | Pass | | | |
| | 2560 | 100 | 0 | 20 | 3.3 | -37.308 | -0.0146 | -2.5 to 2.5 | Pass | | | |
| 3.6 | | | | | -38.981 | -0.0152 | -2.5 to 2.5 | Pass | | | | |
| 4.2 | | | | | 0.544 | 0.0002 | -2.5 to 2.5 | Pass | | | | |
| | | | | | | | -30 | 3.6 | 1.116 | 0.0004 | -2.5 to 2.5 | Pass |
| | | | | | | | -20 | 3.6 | 1.945 | 0.0008 | -2.5 to 2.5 | Pass |
| | | | | | | | -10 | 3.6 | 0.157 | 0.0001 | -2.5 to 2.5 | Pass |
| | | | | | | | 0 | 3.6 | -3.676 | -0.0014 | -2.5 to 2.5 | Pass |
| | | | | | | | 10 | 3.6 | -5.536 | -0.0022 | -2.5 to 2.5 | Pass |
| | | | | | | | 30 | 3.6 | -3.848 | -0.0015 | -2.5 to 2.5 | Pass |
| | | | | | | | 40 | 3.6 | -7.253 | -0.0028 | -2.5 to 2.5 | Pass |
| | | | | | | | 50 | 3.6 | -11.845 | -0.0046 | -2.5 to 2.5 | Pass |