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## Frequency Stability Test Results

### 20 MHz

|                          |        |                          |                       |                        |              |
|--------------------------|--------|--------------------------|-----------------------|------------------------|--------------|
| Duty Cycle:              | 96     | Test Results             |                       |                        |              |
| Rel. Humidity:           | 48     | Measured Frequency (MHz) | Delta Frequency (kHz) | 20 ppm Limit (+/- kHz) | Margin (kHz) |
| Test Frequency: 5180 MHz |        |                          |                       |                        |              |
| T <sub>nom</sub>         | 20 °C  | 5180.037                 | 37                    | 103.6                  | 66.6         |
| T <sub>min</sub>         | -40 °C | 5180.065                 | 65                    | 103.6                  | 38.6         |
| T <sub>max</sub>         | 55 °C  | 5179.982                 | 18                    | 103.6                  | 85.6         |
| Test Frequency: 5240 MHz |        |                          |                       |                        |              |
| T <sub>nom</sub>         | 20 °C  | 5240.007                 | 7                     | 104.8                  | 97.8         |
| T <sub>min</sub>         | -40 °C | 5240.058                 | 58                    | 104.8                  | 46.8         |
| T <sub>max</sub>         | 55 °C  | 5239.992                 | 8                     | 104.8                  | 96.8         |
| Test Frequency: 5260 MHz |        |                          |                       |                        |              |
| T <sub>nom</sub>         | 20 °C  | 5260.01                  | 10                    | 105.2                  | 95.2         |
| T <sub>min</sub>         | -40 °C | 5260.072                 | 72                    | 105.2                  | 33.2         |
| T <sub>max</sub>         | 55 °C  | 5259.996                 | 4                     | 105.2                  | 101.2        |
| Test Frequency: 5320 MHz |        |                          |                       |                        |              |
| T <sub>nom</sub>         | 20 °C  | 5320.03                  | 30                    | 106.4                  | 76.4         |
| T <sub>min</sub>         | -40 °C | 5320.065                 | 65                    | 106.4                  | 41.4         |
| T <sub>max</sub>         | 55 °C  | 5320                     | 0                     | 106.4                  | 106.4        |
| Test Frequency: 5500 MHz |        |                          |                       |                        |              |
| T <sub>nom</sub>         | 20 °C  | 5500.01                  | 10                    | 110                    | 100          |
| T <sub>min</sub>         | -40 °C | 5500.054                 | 54                    | 110                    | 56           |
| T <sub>max</sub>         | 55 °C  | 5499.964                 | 36                    | 110                    | 74           |
| Test Frequency: 5700 MHz |        |                          |                       |                        |              |
| T <sub>nom</sub>         | 20 °C  | 5700.011                 | 11                    | 114                    | 103          |
| T <sub>min</sub>         | -40 °C | 5700.07                  | 70                    | 114                    | 44           |
| T <sub>max</sub>         | 55 °C  | 5700.031                 | 31                    | 114                    | 83           |

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**40 MHz**

|                          |     |    |          |                          |                       |              |        |
|--------------------------|-----|----|----------|--------------------------|-----------------------|--------------|--------|
| Duty Cycle:              |     |    | 97       | Test results             |                       |              |        |
| Rel. Humidity:           |     |    | 48       | Measured Frequency (MHz) | Delta Frequency (kHz) | 20 ppm Limit | Margin |
|                          |     |    |          |                          |                       | (+/- kHz)    | (kHz)  |
| Test Frequency: 5190 MHz |     |    |          |                          |                       |              |        |
| T <sub>nom</sub>         | 20  | °C | 5189.974 | 26                       | 103.8                 | 77.8         |        |
| T <sub>min</sub>         | -40 | °C | 5190.07  | 70                       | 103.8                 | 33.8         |        |
| T <sub>max</sub>         | 55  | °C | 5189.997 | 3                        | 103.8                 | 100.8        |        |
| Test Frequency: 5230 MHz |     |    |          |                          |                       |              |        |
| T <sub>nom</sub>         | 20  | °C | 5229.971 | 29                       | 104.6                 | 75.6         |        |
| T <sub>min</sub>         | -40 | °C | 5230.064 | 64                       | 104.6                 | 40.6         |        |
| T <sub>max</sub>         | 55  | °C | 5229.99  | 10                       | 104.6                 | 94.6         |        |
| Test Frequency: 5270 MHz |     |    |          |                          |                       |              |        |
| T <sub>nom</sub>         | 20  | °C | 5269.968 | 32                       | 105.4                 | 73.4         |        |
| T <sub>min</sub>         | -40 | °C | 5270.032 | 32                       | 105.4                 | 73.4         |        |
| T <sub>max</sub>         | 55  | °C | 5269.975 | 25                       | 105.4                 | 80.4         |        |
| Test Frequency: 5310 MHz |     |    |          |                          |                       |              |        |
| T <sub>nom</sub>         | 20  | °C | 5309.965 | 35                       | 106.2                 | 71.2         |        |
| T <sub>min</sub>         | -40 | °C | 5310.06  | 60                       | 106.2                 | 46.2         |        |
| T <sub>max</sub>         | 55  | °C | 5310.006 | 6                        | 106.2                 | 100.2        |        |
| Test Frequency: 5510 MHz |     |    |          |                          |                       |              |        |
| T <sub>nom</sub>         | 20  | °C | 5509.98  | 20                       | 110.2                 | 90.2         |        |
| T <sub>min</sub>         | -40 | °C | 5510.096 | 96                       | 110.2                 | 14.2         |        |
| T <sub>max</sub>         | 55  | °C | 5509.99  | 10                       | 110.2                 | 100.2        |        |
| Test Frequency: 5670 MHz |     |    |          |                          |                       |              |        |
| T <sub>nom</sub>         | 20  | °C | 5669.989 | 11                       | 113.4                 | 102.4        |        |
| T <sub>min</sub>         | -40 | °C | 5670.08  | 80                       | 113.4                 | 33.4         |        |
| T <sub>max</sub>         | 55  | °C | 5669.992 | 8                        | 113.4                 | 105.4        |        |

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**80 MHz**

|                          |     |    |          |                          |                       |              |        |
|--------------------------|-----|----|----------|--------------------------|-----------------------|--------------|--------|
| Duty Cycle:              |     |    | 97       | Test results             |                       |              |        |
| Rel. Humidity:           |     |    | 48       | Measured Frequency (MHz) | Delta Frequency (kHz) | 20 ppm Limit | Margin |
|                          |     |    |          |                          |                       | (+/- kHz)    | (kHz)  |
| Test Frequency: 5210 MHz |     |    |          |                          |                       |              |        |
| T <sub>nom</sub>         | 20  | °C | 5209.965 | 35                       | 104.2                 | 69.2         |        |
| T <sub>min</sub>         | -40 | °C | 5210.045 | 45                       | 104.2                 | 59.2         |        |
| T <sub>max</sub>         | 55  | °C | 5210     | 0                        | 104.2                 | 104.2        |        |
| Test Frequency: 5290 MHz |     |    |          |                          |                       |              |        |
| T <sub>nom</sub>         | 20  | °C | 5289.995 | 5                        | 105.8                 | 100.8        |        |
| T <sub>min</sub>         | -40 | °C | 5290.058 | 58                       | 105.8                 | 47.8         |        |
| T <sub>max</sub>         | 55  | °C | 5290.005 | 5                        | 105.8                 | 100.8        |        |
| Test Frequency: 5530 MHz |     |    |          |                          |                       |              |        |
| T <sub>nom</sub>         | 20  | °C | 5530.015 | 15                       | 110.6                 | 95.6         |        |
| T <sub>min</sub>         | -40 | °C | 5530.074 | 74                       | 110.6                 | 36.6         |        |
| T <sub>max</sub>         | 55  | °C | 5530.03  | 30                       | 110.6                 | 80.6         |        |