

















A.6 FREQUENCY STABILITY

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|--------------|-------------------------------|------------|-----------|
| Test Date | 2022/01/05 | Temp./Hum. | 22°C/68% |
| Cable Loss | --- | Tested By | Kuper Hsu |
| Test Voltage | AC 120V 60Hz (Via AC Adapter) | | |

A.6.1 Frequency stability Result

| Temperature (°C) | Voltage (Vac) | Centre Frequency (MHz) | Measurement Value (MHz) | Frequency Stability (ppm) |
|------------------|---------------|------------------------|-------------------------|---------------------------|
| 25 | 120 | 5180 | 5180.004 | 0.772 |
| -30 | 102 | | 5179.972 | -5.405 |
| | 138 | | 5179.994 | -1.158 |
| -20 | 102 | | 5179.993 | -1.351 |
| | 138 | | 5179.973 | -5.212 |
| -10 | 102 | | 5179.98 | -3.861 |
| | 138 | | 5180.008 | 1.544 |
| 0 | 102 | | 5179.976 | -4.633 |
| | 138 | | 5180.005 | 0.965 |
| 10 | 102 | | 5179.985 | -2.896 |
| | 138 | | 5180.007 | 1.351 |
| 20 | 102 | | 5179.975 | -4.826 |
| | 138 | | 5179.994 | -1.158 |
| 30 | 102 | | 5179.988 | -2.317 |
| | 138 | | 5179.974 | -5.019 |
| 40 | 102 | | 5179.975 | -4.826 |
| | 138 | | 5180.001 | 0.193 |
| 50 | 102 | | 5179.971 | -5.598 |
| | 138 | | 5179.977 | -4.440 |