

**Appendix G-Frequency Stability**

**Test Data:**

Frequency Stability vs temperature:

1. Test for FDD LTE Band 26 Downlink (Middle Channel: 881.5MHz)

| Temperature(°C) | Voltage (V ac) | Frequency Error (Hz) | Tolerance(ppm) |
|-----------------|----------------|----------------------|----------------|
| 50              | 120            | 9.30                 | 0.0106         |
| 40              | 120            | 8.37                 | 0.0095         |
| 30              | 120            | 79.75                | 0.0905         |
| 20              | 120            | 57.84                | 0.0656         |
| 10              | 120            | 8.56                 | 0.0097         |
| 0               | 120            | 10.80                | 0.0123         |
| -10             | 120            | 17.75                | 0.0201         |
| -20             | 120            | 14.48                | 0.0164         |
| -30             | 120            | 16.96                | 0.0192         |

Frequency Stability vs voltage:

1. Test for FDD LTE Band 26 Downlink (Middle Channel: 881.5MHz)

| Voltage (V ac) | Temperature(°C) | Frequency Error (Hz) | Tolerance(ppm) |
|----------------|-----------------|----------------------|----------------|
| 108            | 20              | 35.56                | 0.0403         |
| 120            | 20              | 57.84                | 0.0656         |
| 132            | 20              | 32.23                | 0.0366         |



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