

## Frequency Variation vs. Temperature: FCC Part 24, Subpart D, 24.135

- **Test Conditions**

The pager was positioned standing on its narrow edge inside of a Thermotron temperature test chamber. The pager was programmed such that all transmissions from the pager were unmodulated (carrier only) in order to facilitate accurate measurements of the carrier frequency. The HP modulation domain analyzer was configured to have a span of 6.4kHz. A registration transmission which is representative of all transmissions from the pager was captured on the modulation domain analyzer at temperatures between  $-30$  and  $+50^{\circ}\text{C}$  in  $5^{\circ}\text{C}$  steps. The carrier frequency deviation was measured from the modulation domain analyzer capture.

- **List of Test Equipment**

1. Modulation Domain Analyzer, Hewlett Packard, Model No. 53310A, S/N 3105A00303. Calibration date: January 28, 1999. Calibration due date: January 28, 2000.
2. Temperature Test Chamber, Thermotron, Model No. S8C, S/N 23834. Calibration date: October 28, 1998. Calibration due date: October 28, 1999.

- **Diagram of Test Setup**

