

6a.5 Land Mobile Frequency Stability -- Pursuant 47 CFR 2.1055a(1) & 2.1055(d)2

Frequency stability measurements were made as described in paragraph 7.4. Because of the transmitter's dependence on the stability of the base station oscillator, it is not possible to provide stability data for this transmitter as is commonly supplied for certification per 47 CFR 2.1055 for a radio with a locally stabilized oscillator. The following data was collected in a setup comprising of a base station simulator and it represents the absolute frequency error of the transceiver under test versus the base station frequency reference.

Center Frequency Error (ppm) @ 896.01875 MHz

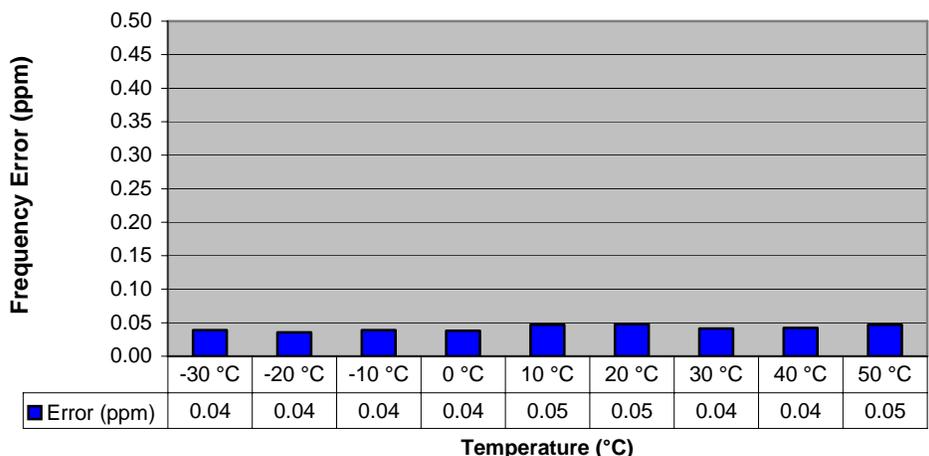


Figure 6a5-1: Transmitter Frequency Stability (900 MHz band) – Frequency Error vs. Temperature

Frequency Error (Hz) vs Voltage Change @ 896.01875 MHz
(From nominal 4.0 volts to minimum 3.55 volts)

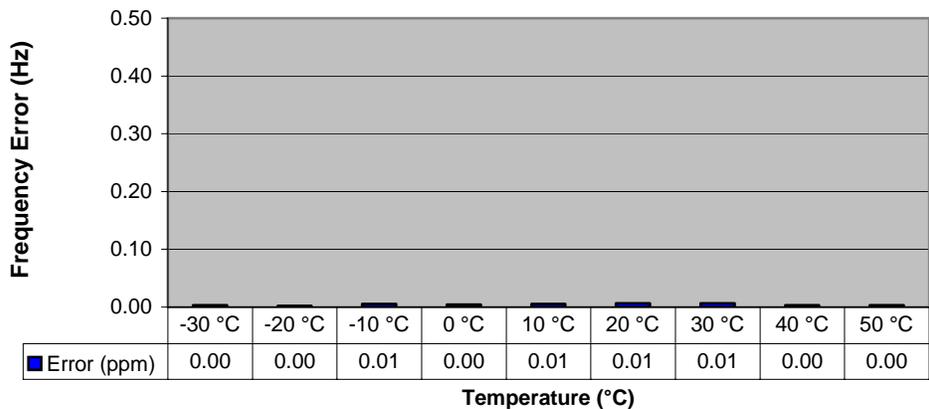


Figure 6a.5-2: Transmitter Frequency Stability (900 MHz band) - Frequency Error vs. Voltage