

6b.5 Frequency Stability -- Pursuant 47 CFR 2.1055(a)(1), 2.1055(d)(2), and 24.135

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.

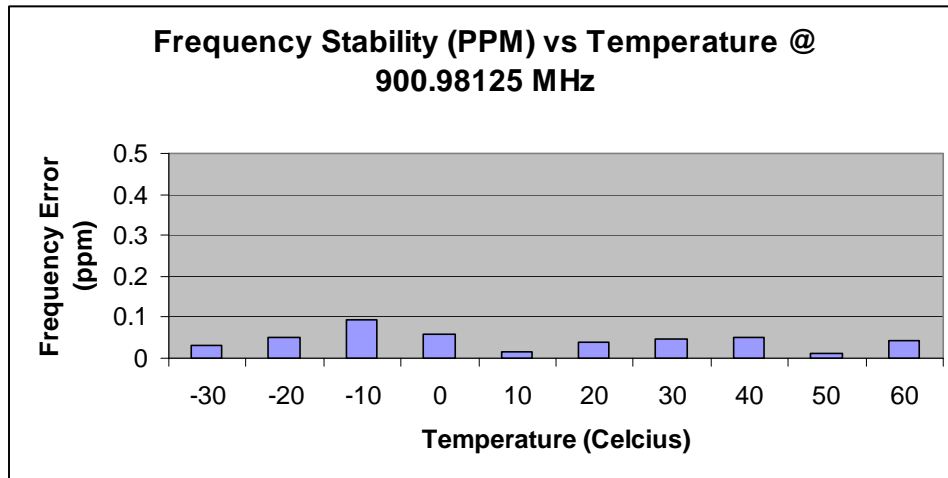


Table 6b.5.1. Transmitter Frequency Stability (NBPCS band) – Frequency Error vs. Temperature

TEMPERATURE	PPM at 4V _{DC}
-30	0.031
-20	0.052
-10	0.093
0	0.058
10	0.016
20	0.041
30	0.046
40	0.049
50	0.013
60	0.043
70	0.031

Table 6b.5.2. Transmitter Frequency Stability (NBPCS band) – Frequency Error vs. Temperature (tabular presentation).

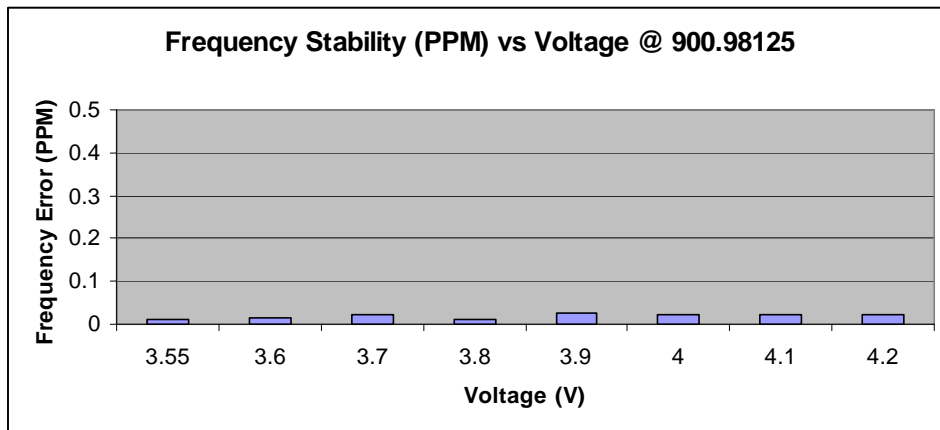


Table 6b.5.3. Transmitter Frequency Stability (NBPCS band) – Frequency Error vs. Voltage.

Power Supply Output Voltage	PPM at 25°C
3.6	0.013
3.7	0.014
3.8	0.024
3.9	0.013
4	0.025
4.1	0.023
4.2	0.024
4.3	0.023

Table 6b.5.4. Transmitter Frequency Stability (NBPCS band) – Frequency Error vs. Voltage (tabular presentation).