

6b.5 Land Mobile Frequency Stability -- Pursuant 47 CFR 2.1055(a)(1) and 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.

TEMP	PPM at 4V
-30	0.03
-20	0.04
-10	0.05
0	0.04
10	0.05
20	0.04
30	0.06
40	0.05
50	0.06
60	0.05
70	0.06

Table 6b-5.1. Transmitter Frequency Stability vs. Temperature in 813.5125 MHz

TEMP	PPM at 4V
-30	0.08
-20	0.08
-10	0.07
0	0.08
10	0.08
20	0.09
30	0.1
40	0.08
50	0.07
60	0.06
70	0.08

Table 6b-5.2. Transmitter Frequency Stability vs. Temperature in 900 MHz

Power Supply Output Voltage	PPM at 25°C
3.6	0.06
3.7	0.03
3.8	0.05
3.9	0.04
4	0.05
4.1	0.03
4.2	0.04
4.3	0.04

Table 6b-5.3. Transmitter Frequency Stability vs. Voltage in 813.5125 MHz

Power Supply Output Voltage	PPM at 25°C
3.6	0.07
3.7	0.08
3.8	0.04
3.9	0.07
4	0.06
4.1	0.05
4.2	0.04
4.3	0.03

Table 6b-5.4. Transmitter Frequency Stability vs. Voltage in 900 MHz