The device uses two antennas. The antenna shown in Photo 1 is a loop antenna in the stator subassembly used to transmit a 23.2 kHz signal to power the rotor assembly. This antenna also functions as a 10.7 MHz receive antenna. The antenna shown in Photo 2 is also a loop antenna. It is used to transmit data using a 10.7 MHz FSK modulated signal. It also functions as a 23.2 kHz receive antenna. Due to the small size of these antennas relative to the wavelength of their transmission frequencies, their gain is less than 0 dBi.

Photo 1 – 23.2 kHz Transmit Antenna

Photo 2 – 10.7 MHz Transmit Antenna