

IrriGreen FCC Antenna Info

July 16, 2015

IrriGreen Controller Model 501101

The IrriGreen Controller includes a printed circuit board mounted helical antenna from Linx Technologies, part number ANT-433-HETH, for the 433.92 MHz radio. The antenna gain according to the manufacturer is 1.9 dBi. A Texas Instruments CC3100BOOST board is modified for an external 2.4 GHz antenna using a U.FL connector. The Linx antenna part number is ANT-2.4-WRT-UFL. The peak antenna gain according to the manufacturer is 3.5 dBi. The IrriGreen Controller is installed by professional irrigation installers and the circuit board antenna is encased as shown in the external photo exhibits. During testing it was found that an EMI absorber adhered to the Wi-Fi chip was needed to attenuate spurious transmissions.

