



HARRIS CORPORATION

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Subject: FCC ID: OWDTR-0166-E

ATTESTATION

Addition to Circuit Description Regarding Ground System and Antennas

- 1) All analog and digital circuits are referenced to the same PCB ground plane. This PCB ground plane is then tied to the radio chassis via mechanical fasteners/screws and spring clips. This is the chassis ground for the portable radio.
- 2) For the antennas required for the licensed portion: We use multiple types of antennas, as called out in our user manual (document number: 14221-1800-2070). These are all whip/stub antennas that are connected to the radio via the Harris proprietary coaxial connector on the top of the radio. This coaxial connector is screwed into the chassis which provides the chassis ground connection to the coaxial connector.
- 3) For the Bluetooth and WiFi antennas: The Bluetooth and WiFi antenna is a single dual band antenna that is a surface mount antenna that uses the PCB ground as the antenna's ground reference.
- 4) The TI datasheet that is included in the exhibit "OpDesc XL-95P" shows provisions for two antennas (one for the 2.4 GHz band and one for the 5 GHz band). This is an option that Harris has not implemented. As stated above, Harris is using one single band antenna.

Sincerely,

Thomas D Camper, Jr.
Regulatory Manager