

## 4 §15.203 - ANTENNA REQUIREMENT

### 4.1 Applicable Standard

According to § 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

And according to § 15.247 (b) (4), if transmitting antennas of directional gain greater than 6 dBi are used the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

### 4.2 Result

The antenna for this device is an internal panel antenna connected to the main board in a fashion not readily accessible to the end user with a maximum gain of 4.5 dBi which is under the 6 dBi limit.

**Compliant.** Please refer to the following antenna photo for details.

