

## 1.0 Purpose

This document describes the Transmitting Antenna used in accordance with the LBRD-2 Wearable Antenna Assembly (WAA) product in accordance with FCC Part 15 and Part 18 guidelines.

## 2.0 Scope

This document applies to the Antenna subcomponent of WAA device.

## 3.0 LBRD-2 Antenna Subcomponent

### 3.1 Overview

The LBRD2 has only one antenna permanently attached internal to the device. The manufacturer of the antenna is Stimwave Technologies, Inc. The Model Number of the antenna is MD0208, also known as “CPT Antenna”. The antenna’s gain is 0.66 dBi. The MD0208 antenna for the LBRD-2 is a Patch antenna.

### 3.2 Component Images

The front of the antenna shown is the signal plane that directly radiates into the user’s body. The back of the antenna is the ground plane, with both sides shown in Figure 1.

### 3.3 FCC 15.203 Compliance

The antenna (MD0208) used in the LBRD-915-2A, is permanently attached to the housing of the WAA and is not accessible to the user. A permanently attached antenna shall be considered sufficient to comply with the provisions of Section 15.203.



Figure 1. Front side and back side of the LBRD2 Antenna