

1.0 Purpose

This document describes the Transmitting Antenna used in accordance with the PDBT-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 PDBT-2 has only one antenna permanently attached to the device. The manufacturer of the antenna is Stimwave Technologies, Inc. The Model Number of the antenna is MD0280 and the assembly with cable attached is MD0281. The antenna is also known as “Flexible Dipole A”. The antenna’s gain is 1.6 dBi. The MD080 antenna for the PDBT-2 is a dipole antenna.

3.2 Component Images

The front of the antenna shown is the face that does not have the cable connection. The front face is the side that directly radiates into the user’s body. The back of the antenna is the side where the cable connects, with both sides shown in Figure 1.

3.3 FCC 15.203 Compliance

The antenna assembly (MD0281) used in the PDBT-915-2A, is permanently attached to the housing of the WAA through a 6” Cable. A permanently attached antenna shall be considered sufficient to comply with the provisions of Section 15.203.

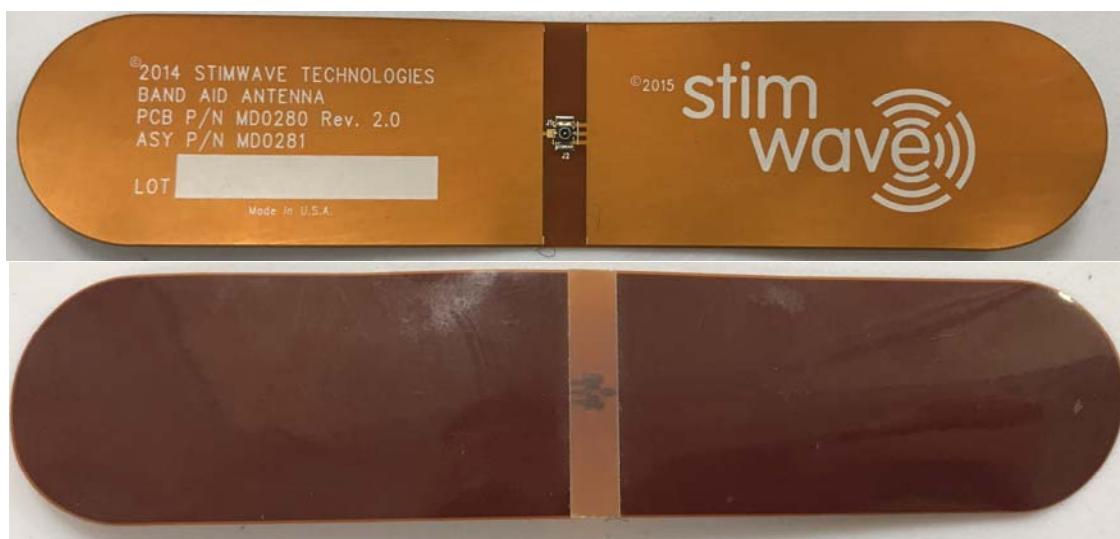


Figure 1. Front side (top) back side (bottom) of the PDBT-2 Antenna