

RF Exposure Exhibit

FCC ID: 2AGDU-EL2PIN

The Earlens Contact Hearing Aid uses resonant inductive coupling to transmit and receive sound information from a Processor and Ear Tip to a Tympanic Lens (Lens). It uses 2.56MHz for inductive coupling transmit and receive sound information and Bluetooth Low Energy (BLE) for communication to iPad.

Inductive coupling device @2.56MHz

Measured value of RF field strength @0cm from EUT was 8.51V/m rms and 0.061uT Magnetic Field with probe at 0mm from EUT.

Complies Limits specified in Table 9 of IEEE std C95.1 -2005 Limits

Please see test report 03848751MPK-005

Device also uses 2.4 GHz BLE with documented power as per the grant is -0.93dBm (0.0008 Watts) 103607712MPK-010 page #6. The antenna gain document in same test report is -1.2dBi

Since maximum peak output power of the transmitter at 2402MHz is 0.8mW < 10 mW, hence the EUT is excluded from SAR evaluation according to FCC KDB publication 447498 D01 v06: Mobile Portable RF Exposure.

As per operational description of the device RFID and one BLE device can be ON simultaneously but their operational overlap time is far less than 30 seconds.

Complete operation of RFID lasts only few milliseconds, hence it not possible that operational overlap time exceeds 30 seconds.

With above description it is clear the device complies RF exposure requirements as per KDB 447498 D01 General RF Exposure Guidance v06