



6600 Washington Avenue S.
Eden Prairie, Minnesota 55344
T: 1.800.328.8602

www.starkey.com

January 11, 2019

Federal Communications Commission
445 12th Street SW
Washington, DC 20554
Attention: Application Examiner

Reference:	Certification:	Part 15.247 Intentional Radiator
	Applicant:	Starkey Laboratories, Inc.
	Equipment:	Low Power Device (2400-2483.5 MHz)
	Model #:	900
		FCC ID: EOA-24MFA

Dear Sir/Madam:

Enclosed please find a Part 15.247 Class 2 permissive change application for our EOA-24MFA certification. This device is a remote microphone and Bluetooth Gateway for our 2.4 GHz wireless hearing aids that uses the Classic Bluetooth and Bluetooth Low Energy protocols.

The change consists of adding 3 capacitors between the digital and analog ground plane, as shown in the submitted schematic. In addition, the values of two capacitors in the matching network are both changed to better match the antenna to the Classic Bluetooth radio IC.

No changes have been made to the Classic Bluetooth radio IC, the antenna itself, or any other RF components besides what is listed here. No changes have been made at all to any Bluetooth Low Energy RF components, the Bluetooth Low Energy antenna, or circuit layout.

The peak Classic Bluetooth antenna gain has changed from -5.75 to -3.25 dBi, an increase of around 2.5dB.

Further details and supporting documents are attached.

Should you have any questions, please feel free to contact the undersigned.

Sincerely,

A handwritten signature in black ink, appearing to read "William J. Mitchell".

William J. Mitchell, PE
Principal Regulatory Affairs Engineer
952-918-5683
bill_mitchell@starkey.com