Date: **August 29, 2016**

RF exposure analysis for the equipment CP1000 (FCC ID:* WTO-CP1000*)

1. Introduction

The device **CP1000** (FCC ID: **WTO-CP1000**) is a wireless hearing instrument used to amplify sound from the surrounding to the end user and also receive audio signals through wireless connection to accessories. It contains a multi-mode 2.4GHz radio which operates, time & frequency divided, in either BlueTooth Low Energy mode (BTLE) or a proprietary "Proximity" mode and is intended for use within 20 cm of humans.

2. SAR limits

According to § 2.1093 (d) (2) the limits for General Population/Uncontrolled exposure: 0.08 W/kg as averaged over the whole-body and peak spatial-average SAR limit is 1.6 W/kg, averaged over any 1 gram of tissue over the whole body.

3. Compliance criteria:

Individual transmitters are deeded to comply with § 2.1093 requirements if the output power of the transmitter meets the conditions specified in section 4.3.1 (Standalone SAR test exclusion) considerations of the document "KDB 447498 D01 General RF Exposure Guidance v06".

4. Compliance calculations:

FCC ID: WTO-CP1000
Type of device: Sound Processor in a Cochlear Implant System

Mode	Sub-mode	Frequency	Peak field strength (dBµV/m)	Peak output power (dBm)	Peak output power (mW)	Evalutation distance per KDB 447498 D01 General RF Exposure Guidance v06 - 4.3.1 (mm)	SAR Test Exclusion Thresholds per KDB 447498 D01 General RF Exposure Guidance v06 - 4.3.1 - 1) (mW)	SAR Test Exclusion Thresholds per KDB 447498 D01 General RF Exposure Guidance v06 - 4.3.1 - 1)
BLE	BLE	2402	71,94	-23,29	0,005	5	10	COMPLIANT
		2440	72,86	-22,37	0,006	5	10	COMPLIANT
		2480	71,75	-23,48	0,004	5	10	COMPLIANT
Proximity	Proximity	2404	71,39	-23,87	0,004	5	10	COMPLIANT
		2442	70,36	-24,87	0,003	5	10	COMPLIANT
		2478	72,09	-23,14	0,005	5	10	COMPLIANT

Sincerely,

P.A.

Miguel Cobos

By: Lisa Emerson
Title: Vice President- Quality
Company: Cochlear Limited 1 University Avenue, Macquarie University. 2109NSW
Telephone / Fax: + 61 (0) 294286555