Operational Description

The information in this exhibit is in accordance with requirements for certification as outlined in the FCC Rules and Regulations, 47 CFR Part 2; Sections 2.1033, 2.1046 - 2.1057, and Part 24, Sections 24.52, 24.235 and 24.238.

General

The device comprises a PCS datamodule (FCC ID: IHDT6AC1) and a 403.65 MHz receiver for Ultra Low Power Active Medical Implants (ULPAMI). The receiver is used to collect data from ULPAMI which is then coded appropriatly to be sent via PCS1900 using the PCS datamodule to a Service Center.

Since the device uses a PCS module with Full Type Approval some measurements on parameters of the module not influenced by integrating the module into a device have been omitted. Instead it is referred to documents already filed with IHDT6AC1 certification.

Certification Requirements
Section 2.1033(c): Application for Certification

(1) Name of Applicant: Biotronik GmbH, also maufacturer, for adress refer to form 731

(2) Identification of Equipment: QRI CM02-1

(3) Instruction Manual: Refer to telex2_UserMan.pdf

(4) Types of Emissions: refer to IHDT6AC1

(5) Frequency Range: For PCS module refer to IHDT6AC1
For ULPAMI: Receiver operates on one 300 kHz channel with center at 403.65 MHz in MICS Band .

(6) Range of operating power values: refer to IHDT6AC1

(7) Maximum Power rating: refer to IHDT6AC1

(8) The dc voltages applied to and dc currents into the Final Amplifying Device: Refer to IHDT6AC1.

(9) Tune-Up Procedure
There are no user accessible adjustments or tuning in this device. All necessary adjustments and tuning are performed during manufacture of the product. Any adjustments or tuning after service or repair are done as part of that process as special equipment is required to perform such adjustments.

(10) Schematic Diagramm: refer to telex2_Schem.pdf
For the PCS Module refer to IHDT6AC1

Spurious supression and interference of high speed clocks into sensitive radio circiutry is achived by several means:

1. Sources of spurious radiation such as frequency source circuitry and high gain circuitry within the equipment are assembled under grounded conductive shields forming a localized shielded enclosure within the unit.

2. Physical separation of frequency sources from high gain circuitry.

3. Multilayer PC boards allow use of stripline and shielded traces for routing signals.

(11) Label requirement: refer to telex2_LabelSmpl.pdf and telex2_LabelLoc.pdf

(12) Photograph: refer to telex2_ExtPho.pdf and telex2_IntPho.pdf

(13) Modulation: refer to IHDT6AC1

(14) Data Required by 2.1046 - 2.1057 Inclusive

Section 2.1046: RF Power Output - Refer to IHDT6AC1

Section 2.1047: Modulation Characteristics: refer to IHDT6AC1

Section 2.1049: Occupied Bandwidth: refer to IHDT6AC1

Section 2.1051: Conducted Spurious Emissions: refer to IHDT6AC1

Section 2.1053: Radiated Spurious Emissions: refer to GOM20211-7350-T47

Section 2.1055: Frequency Stability refer to IHDT6AC1