

**BIONIME CORPORATION**

No. 100, Sec. 2, Daqing St., South Dist., Taichung City 40242 Taiwan

Theory of Operation/Technical Description – FCC ID: ADU - HR310

Product name: Receiver for CGM, Model name: HR310

**- RF circuit function:**

The product are based on the QN908x and CR95HF modules

The major part of this IC is a low power Bluetooth Low Energy transceiver and 13.56-MHz multi-protocol contactless transceiver IC. Other RF function of this product will be turned off using software. Will not be used by the final consumer.

**- Description of all modulation schemes used in the product:****BLE**

Technical Specification	Value
Operating Frequencies	2402~2480MHz
Channel number	40
Operation Voltage	120Vac from Adapter, 3.7Vdc from Battery
Modulation	GFSK
Antenna gain	2dBi

**NFC**

Technical Specification	Value
Operating Frequency	13.56 MHz
Operation Voltage	120Vac from Adapter, 3.7Vdc from Battery
Modulation	ASK
Antenna Type	Loop antenna

Alex Tseng

Title: Manager Signature: 