



Masimo
52 Discovery
Irvine CA 92618

Cover letter for FCC application

Masimo Corporation is submitting the Radius PPG reusable chip for FCC original certification.

Radius PPG reusable chip utilizes below radio:

Bluetooth: utilizes nRF52840 radio with printed inverted-F antenna

Radius PPG reusable chip pairs up with Radius PPG wireless receiver using NFC radio to establish communication over Bluetooth Low Energy to support continuous noninvasive monitoring of functional oxygen saturation of arterial hemoglobin (SpO₂), pulse rate (PR), and perfusion index (Pi). NFC is used only for pairing (MAC address transfer) the Radius PPG wireless receiver with Radius PPG reusable chip. After pairing, BLE communication is established. NFC radio and BLE radio do not transmit at the same time.

Radius PPG reusable chip has been tested to 47 CFR § FCC 15.247. It's FCC ID is VKF-AIRTB01.

During radio testing the product was labelled as 'AIR01 Technology Board' however during later phase of product release it has been re-named as 'Radius PPG reusable chip'. But none the less both the names refer to same product.

Respectfully,

A handwritten signature in black ink that reads 'A Joshi'.

Anamidevi Joshi
EMC Project Manager
Masimo Corporation