



## RF EXPOSURE REPORT

**Applicant Name:**  
 OnPoint Systems, LLC  
 292 Route 101  
 Bedford, NH 03110

**Date of Evaluation:**  
 5/10/2018  
**Test Site/Location:**  
 PCTEST Lab, Columbia, MD, USA  
**Document Serial No.:**  
 1M1803230052-01.2APPW

**FCC ID:** 2APPWSO1

**APPLICANT:** ONPOINT SYSTEMS, LLC

**DUT Type:** Pet Collar  
**Application Type:** Certification  
**FCC Rule Part(s):** CFR §2.1093  
**Model:** VSF-001-1

### SAR Test Exclusion

This device contains a transmitter with Bluetooth LE that may be used in close proximity to the user's body. The maximum allowed output power of the 2.4 GHz Bluetooth LE module is 2.51 mW.

Per FCC KDB 447498 D01v06, the 1g SAR exclusion threshold for distances  $\leq$  50mm is defined by the following equation:

$$\frac{\text{Max Power of Channel (mW)}}{\text{Test Separation Dist (mm)}} * \sqrt{\text{Frequency(GHz)}} \leq 3.0$$

Based on the maximum allowed output power of 2.4 GHz BT LE and the antenna to user separation distance, SAR for 2.4 GHz BT LE was not required;  $[(3 / 5)^* \sqrt{2.48}] = 0.9 < 3.0$ . Per KDB Publication 447498 D01v06, the maximum power of the channel was rounded to the nearest mW before calculation. Since the minimum separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion according to FCC KDB Publication 447498 D01v06.

Therefore, no SAR tests are required to determine that this device will not exceed the FCC RF Exposure limit when being used at 0 mm from the human body.



Randy Ortanez  
President



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