

**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
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FCC ID: 2APPWS01
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 $\leq 50\text{mm}$ 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 $< 5\text{ mm}$, 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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