

RF Exposure Report

Project Number: 4875564

Offer Number: 01212022NG-1.3

Report Number: 4875564EMC05

Report Revision: 0

Client: OnPoint Systems, LLC

Equipment Under Test: GPS Dog Training Collar

Model: SOF-200

FCC ID: 2APPWSOF200

Contains FCC ID: XMR201912BG77

Applicable Standards: 47 C.F.R. §§ 2.1091 (Mobile)

FCC KDB 447498 D01 General RF Exposure Guidance v06



FOR THE SCOPE OF ACCREDITATION UNDER CERTIFICATE NUMBER: 3212.01

Report must not be used by the client to claim product certification, approval, or endorsement by A2LA, NIST, or any agency of the Federal Government.

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1 General Information

1.1 Client Information

Name: OnPoint Systems, LLC
Address: 7 Perimeter Rd
City, State, Zip, Country: Manchester, NH, 03103, USA

1.2 Test Laboratory

Name: SGS North America, Inc.
Address: 620 Old Peachtree Road NW, Suite 100
City, State, Zip, Country: Suwanee, GA 30024, USA

Accrediting Body: A2LA
Type of lab: Testing Laboratory
Certificate Number: 3212.01

1.3 General Information of EUT

Type of Product: GPS Dog Training Collar
Model Number: SOF200
Serial Number: 1071

Frequency Range: 699-1910MHz (LTE)
2402-2480MHz (BLE)
Max Conducted Output Power: Bluetooth LE 4.6 dBm
LTE Category 5: 22.0 dBm*
Antenna Gain: BLE – 0.5 dBi (Ceramic)
LTE – 3.5-3.8 dBi (External Patch)

Sample Received Date: 28 January 2022
Dates of testing: 31 January 2022

**Data was not measured by SGS laboratory and therefore not responsible for accuracy. Data obtained via customer, specification sheet, previous regulatory filing or other.*

1.4 Separation Distance

The closest exposure distance occurs when a user sits in front of the device directly above the antenna. Estimated closest distance to the device is 20cm.

2 RF Exposure

2.1 Test Result

Test Description	Product Specific Standard	Test Result
RF Exposure	FCC Part 1.1310	Compliant

2.2 Test Method

Using the maximum power (including tune-up tolerances), the power density was calculated. Maximum antenna gain was assumed for this exercise.

2.3 Single transmission RF Exposure Levels (mW/cm²)

FCC											
Band of Operation		Conducted Power w/tolerance	Antenna Gain	Cable Loss	Average EIRP		Distance (R)	Power Density EIRP _{avg} /(4πR ²)	FCC	% of Limit	Verdict
Type	MHz	dBm			dBm	mW	cm	mW/cm ²	mW/cm ²		
LTE Band 2	1850-1910	22.0	3.8	0.0	25.8	380	20	0.076	1.00	8%	Pass
LTE Band 4	1710-1755	22.0	3.8	0.0	25.8	380	20	0.076	1.00	8%	Pass
LTE Band 5	824-849	22.0	3.5	0.0	25.5	355	20	0.071	0.55	13%	Pass
Bluetooth	2400-2483.5	6.0	0.5	0.0	6.5	4	20	0.001	1.00	0%	Pass
LTE Band 12	699-716	22.0	3.5	0.0	25.5	355	20	0.071	0.47	15%	Pass
LTE Band 13	777-787	22.0	3.5	0	25.5	355	20	0.071	0.52	14%	Pass

Note: Bluetooth initiates LTE and therefore will not be on simultaneously.

3 Revision History

Revision Level	Description of changes	Revision Date
0	Initial Release	1 April 2022