



中国认可
国际互认
检测
TESTING
CNAS L4963

TEST REPORT

Applicant: OnPoint Systems, LLC
Address: 7 Perimeter Rd. Manchester NH 03103 United States
Equipment Type: SpotOn GPS Fence
Model Name: SOF-11-0001
Brand Name: SpotOn Fence™
FCC ID: 2APPWSOF11
Test Standard: 47 CFR Part 1.1310-2023
KDB 447498 D04 v01
Sample Arrival Date: N/A
Test Date: N/A
Date of Issue: Dec. 03, 2025

ISSUED BY:

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Revision History

Version	Issue Date	Revisions Content
<u>Rev. 01</u>	<u>Nov. 18, 2025</u>	<u>Initial Issue</u>
<u>Rev. 02</u>	<u>Dec. 03, 2025</u>	<u>UWB add simultaneous transmission explanation, SAR test exemption evaluations, the original report is invalid.</u>

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1 GENERAL INFORMATION

1.1 Test Laboratory

Name	Shanghai Tejet Communications Technology Co., Ltd. Testing Center
Address	1-2/F., Building 1, No.222, Xuanlan Road, Xuanqiao, Pudong New District, Shanghai, China

1.2 Test Location

Name	Shanghai Tejet Communications Technology Co., Ltd. Testing Center
Location	1-2/F., Building 1, No.222, Xuanlan Road, Xuanqiao, Pudong New District, Shanghai, China
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1352. The laboratory has been listed by Industry Canada to perform electromagnetic emission measurements. The recognition numbers of test site are 29671.

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	OnPoint Systems, LLC
Address	7 Perimeter Rd. Manchester NH 03103 United States

2.2 Manufacturer Information

Manufacturer	OnPoint Systems, LLC
Address	7 Perimeter Rd. Manchester NH 03103 United States

2.3 Factory Information

Factory	N/A
Address	N/A

2.4 General Description for Equipment under Test (EUT)

EUT Name	SpotOn GPS Fence
Model Name Under Test	SOF-11-0001
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	V2.0
Software Version	V1.1.0.0
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.5 Technical Information

Network and Wireless connectivity	UWB
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The requirement for the following technical information of the EUT was tested in this report:

Operating Mode	UWB	
Frequency Range	UWB	The frequency range used is 3100MHz-10600MHz; The frequency block is 6000MHz-8500MHz
Antenna Type	UWB	Monopole
Exposure Category	General Population/Uncontrolled Exposure	
EUT Stage	Portable Device	
UWB can transmit simultaneously with WWAN or BT&WIFI.		

3 SUMMARY OF TEST RESULT

3.1 Test Standards

No.	Identity	Document Title
1	KDB 447498 D04 v01☆	KDB 447498 D04 Interim General RF Exposure Guidance v01

3.2 Limit Standards

No.	Identity	Document Title
1	47 CFR Part 1.1310-2023	Radiofrequency radiation exposure limits

4 DEVICE CATEGORY AND LEVELS LIMITS

FCC KDB 447498 Derives:

Per § 1.1307(b)(3)(i)(A), a single RF source is exempt RF device (from the requirement to show data demonstrating compliance to RF exposure limits, as previously mentioned) if the available maximum time-averaged power is no more than 1 mW, regardless of separation distance. This exemption applies to all operating configurations and exposure conditions, for the frequency range 100 kHz to 100 GHz, regardless of fixed, mobile, or portable device exposure conditions. This is a standalone exemption, and it cannot be applied in conjunction with any other test exemption.

5 ASSESSMENT RESULT

5.1 Output Power

Mode	UWB
EIRP (dBm)	-3.39
Antenna Gain (dBm)	0.65
Conducted Power (dBm)	-4.04
Note: This report listed the worst case power value, please refer to RF test report No. BL-SH2580953-605 for more details.	

5.2 Turn-up power

Mode	Conducted Power Range (dBm)	EIRP Range (dBm)	ERP Range (dBm)
UWB	[-5.00,-3.00]	[-4.35,-2.35]	[-6.50,-4.50]
Note1: ERP= EIRP -2.15dB.			
Note2: According KDB 447498 D04, used the greater of maximum conducted power and ERP to compare with the threshold value Pth.			

5.3 RF Exposure Evaluation Result

Mode	Distance (mm)	Calculation Frequency (MHz)	Tune-up limit power (dBm)	Tune-up limit power (mW)	Threshold Value(mW)	Verdict
UWB	5	8500	-3.00	0.501	1	Pass

6 SIMULTANEOUS TRANSMISSION

6.1 Simultaneous Transmission Mode

No.	Simultaneous Tx Combination
1	UWB + WWAN
2	UWB + Bluetooth
3	UWB + WLAN

6.2 Highest Total Exposure Ratio of Simultaneous Transmission

Mode	Exposure Ratio	TER	Verdict
Max Power	0.501	0.908	PASS
Max SAR	0.407		

Note1: Exposure Ratio= Max Power value/ Power limit; or =Max SAR value /SAR limit;

Note2: The sum of the ratios of the applicable terms for SAR-based, MPE-based and measured SAR or MPE shall be less than 1, the transmission simultaneously Pass.

7 Conclusion

This EUT is deemed to comply with the reference level limits, therefore the basic restrictions are compliant with human exposure limits.

Statement

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--END OF REPORT--