No.:
GJWSZ2025-0237-H

TEST REPORT

EUT	:	**V10 RTLS Module EXT**
APPLICANT	:	**Red Point Positioning Corporation**
Classification of Test	:	**N/A**

CVC Testing Technology (Shenzhen) Co., Ltd.

Applicant	**Name: Red Point Positioning Corporation** **Address: 313 Washington Street, Unit 304 Newton, MA 02458**
Manufacturer	**Name: Redpoint Positioning (Beijing) Technology Co., Ltd.** **Address: Room 813, Ruichen International Center, No. 13 Nongzhanguan South Road, Chaoyang District, 100025 Beijing P.R. China**
Equipment Under Test	**Name: V10 RTLS Module EXT** **Model/Type: MDE-V10** **Additional Model/Type: N/A** **Brand: Redpoint Positioning** **FCC ID: 2ADX4-MDEV10**

Date of Receipt.	**Apr.25,2025**	Date of Testing	**Apr.25,2025～May 14,2025**

Test Specification	**Test Result**
FCC Part 2.1093 **KDB 447498 D04v01**	PASS

Evaluation of Test Result	The equipment under test was found to comply with the requirements of the standards applied. Seal of CVC **Issue Date:May 14,2025**

Compiled by:	Reviewed by:	Approved by:
Liang Jiatong	Mo Xianbiao	Dong Sanbi
Name Signature	Name Signature	Name Signature

Other Aspects: NONE.

Abbreviations:OK, Pass= passed Fail = failed N/A= not applicable EUT= equipment, sample(s) under tested

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
GJWSZ2025-0237-H	Original release	May 14,2025

1. GENERAL PRODUCT INFORMATION

PRODUCT	V10 RTLS Module EXT
BRAND	Redpoint Positioning
TEST MODEL	MDE-V10
POWER SUPPLY	N/A
ADDITIONAL MODEL	DC2.8 V ~ 3.6V from Adapter
OPERATING FREQUENCY	CH5:6489.6 CH9:7987.2
ANTENNA TYPE AND GAIN	rod antenna: 2.0dbi FPC antenna: 5.3dbi
I/O PORTS	Refer to user' s manual

Remark:

1. For more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
2. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.
3. EUT photo refer to the report (Report NO.: GJWSZ2025-0237-EUT).
4. Please refer to the antenna report.
5. Since the above data and/or information is provided by the client relevant results or conclusions of this report are only made for these data and/or information, CVC is not responsible for the authenticity, integrity and results of the data and information and/or the validity of the conclusion.

2. RF EXPOSURE LIMIT

§1.1307(b)(3)(ii) For multiple RF sources: Multiple RF sources are exempt if:

The available maximum time-averaged power of each source is no more than 1 mW and there is a separation distance of two centimeters between any portion of a radiating structure operating and the nearest portion of any other radiating structure in the same device, except if the sum of multiple sources is less than 1 mW during the time-averaging period, in which case they may be treated as a single source (separation is not required). This exemption may not be used in conjunction with other exemption criteria other than those is paragraph (b)(3)(i)(A) of this section. Medical implant devices may only use this exemption and that in paragraph(b)(3)(i)(A).

§ 2.1093(c)(1) portable devices having single RF sources

Evaluation of compliance with the exposure limits in §1.1310 of this chapter, and preparation of an EA if the limits are exceeded, is necessary for portable devices having single RF sources with more than an available maximum time-averaged power of 1 mW, more than the ERP listed in Table 1 to §1.1307(b)(3)(i)(C), or more than the Pth in the following formula, whichever is greater. The following formula shall only be used in conjunction with portable devices not exempt by §1.1307(b)(3)(i)(C) at distances from 0.5 centimeters to 20 centimeters and frequencies from 0.3 GHz to 6 GHz.

§ 2.1093(c)(2) portable devices having multiple RF sources

For multiple mobile or portable RF sources within a device operating in the same time averaging period, routine environmental evaluation is required if the formula in § 1.1307(b)(3)(ii)(B) of this chapter is applied to determine the exemption ratio and the result is greater than 1.

3. CLASSIFICATION

The antenna of this product, under normal use condition, is less than 20cm away from the body of the user. So, this device is classified as **Portable Device.**

4. ANTENNA GAIN

The antennas provided to the EUT, please refer to the following table:

Transmitter Circuit	Peak Gain (dBi)	Antenna Type
UWB	2.0	Ant1: rod Antenna
UWB	5.3	Ant2: FPC Antenna

This is provided by the manufacturer. The laboratory is not responsible for technical data provided by the customer.

5. CALCULATION RESULT OF MAXIMUM POWER

Option	Mode	Frequency (MHz)	Target Power (dBm)	Tolerance (dBm)	Upper Tolerance (dBm)	Lower Tolerance (dBm)
A	UWB CH5	6489.6	-16.52	+-1	-15.52	-17.52
	UWB CH9	7987.2	-19.53	+-1	-18.53	-20.53

Option	Technology	Maximum EIRP (dBm)	Maximum EIRP (mW)	Part1.1307b Threshold (mW)	Verify
A	UWB CH5	-15.52	0.028	1	PASS
	UWB CH6	-18.53	0.014	1	PASS

Refer to GJWSZ2025-0237-RF for Power data.

CONCLUSION:

According to rule part 1.1307(b)(3)(ii)(A), the device could be treated as a device with single radio. Hence the device is exempt from the routine evaluation.

Therefore, this confirmed that the device compliance with FCC RF exposure requirements.

Important

(1) The test report is invalid without the official stamp of CVC;

(2) Any part photocopies of the test report are forbidden without the written permission from CVC;

(3) The test report is invalid without the signatures of Approval and Reviewer;

(4) The test report is invalid if altered;

(5) Objections to the test report must be submitted to CVC within 15 days.

(6) Generally, commission test is responsible for the tested samples only.

(7) As for the test result “-” or “N” means “not applicable”, “/” means “not test”, “P” means “pass” and “F” means “fail”.

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