

Statement of compliance to Maximum Permissible Exposure (MPE)

Applicant : Chanje Energy, Inc.
1025 Rollins Rd, Burlingame CA 94010

Manufacturing site : Jiangsu AZX Electronic Technology Co., Ltd.
Danyang City, Jiangsu Province, Huang Town, Jiangshu
Economic Development Zone

Product Name : media unit

Type/Model : P6D047910110

TEST RESULT : PASS

According to §2.1091, §2.1093 and §1.1307(b), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

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Prepared by:



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Reviewed by:



Daniel Zhao (*Reviewer*)

Power density (S) is calculated according to the formula:

$$S = PG / (4\pi R^2)$$

Where S = power density in mW/cm²

P = transmit power in mW

G = numeric gain of transmit antenna (numeric gain=Log-1(dB antenna gain/10))

R = distance (cm)

As we can see from the test report 170900370SHA-001 and 170900370SHA-002:

Frequency band	Power	Antenna Gain	R	S	Limits
(MHz)	(dBm)	(dBi)	(cm)	(mW/cm ²)	(mW/cm ²)
Bluetooth	4.451	0.6	20	0.0006	1
WiFi	22.60	2.0	20	0.0574	1

Note: 1 mW/cm² from 1.310 Table 1

For the device can support simultaneous transmission, according to 447498 D01 General RF Exposure Guidance v06,

The sum of the MPE ratios = $0.0006 / 1.0 + 0.0574 / 1.0 = 0.0580 \text{ mW/cm}^2$

This level is below the simultaneous transmission MPE test exclusion requirements (≤ 1.0).

Appendix I

Definition below must be outlined in the User Manual:

To satisfy FCC RF exposure requirements, a separation distance of 20 cm or more should be maintained between the antenna of this device and persons during device operation.
To ensure compliance, operations at closer than this distance is not recommended.