

Notified Body
Eurofins Electrical and Electronic Testing NA, Inc.

EU-TYPE EXAMINATION CERTIFICATE

Registration Number: 43802-01-2026-260046

Manufacturer: Particle Industries, Inc.
548 Market St, PMB 34833, San Francisco, CA 94104, USA
Product Description: Tachyon
Model Number/Name: TACH4ROW, TACH8ROW

Essential Requirement(s)

Art. 3.1(a) Safety
Art. 3.1 (a) Health
Art. 3.1(b) EMC
Art. 3.2 Radio

Result

Conform
Conform
Conform
Conform

Examination Result:

Based on the reports provided and the information therein, the equipment referenced above is compliant to these specifications.

The scope of evaluation relates to the submitted documents only.

This Certificate is issued in accordance with Annex III, Module B, of the RE directive 2014/53/EU of 16 April 2014 and is only valid in conjunction with the attached Annex.



1/27/2026
Date

Signed By Harvey Hu
Notified Body

For validation of this document's authenticity, please contact globalcertification@cpt.eurofinsus.com for verification.

Annex

Product specification

Hardware version:	V1.2
Software version:	1.0.160
Frequency Band(s):	BT:2402~2480MHz BLE:2402 ~ 2480MHz 2.4GWiFi:2412 ~2472MHz 5GWIFI:5180~5240MHz,5260~5320MHz,5500~5700MHz,5745~5825MHz 6GHz RLAN:5945 ~ 6425MHz GSM/GPRS/EGPRS 900:880 ~ 915MHz(TX),925 ~960MHz(RX) GSM/GPRS/EGPRS 1800:1710 ~ 1785MHz(TX),1805 ~1880MHz(RX) WCDMA B1: 1920MHz ~ 1980MHz(TX), 2110MHz ~ 2170MHz(RX) WCDMA B5: 824MHz ~ 849MHz(TX), 869MHz ~ 894MHz(RX) (No EU Band) WCDMA B8: 880MHz ~ 915MHz(TX), 925MHz ~ 960MHz(RX) LTE Band 1 1920MHz ~ 1980MHz(TX),2110MHz ~ 2170MHz(RX) LTE Band 3 1710MHz ~ 1785MHz(TX),1805MHz ~ 1880MHz(RX) LTE Band 5 824MHz ~ 849MHz(TX),869MHz ~ 894MHz(RX) (No EU Band) LTE Band 7 2500MHz ~ 2570MHz(TX),2620MHz ~ 2690MHz(RX) LTE Band 8 880MHz ~ 915MHz(TX),925MHz ~ 960MHz(RX) LTE Band 20 832MHz ~ 862MHz(TX),791MHz ~ 821MHz(RX) LTE Band 28 703MHz ~ 748MHz(TX),758MHz ~ 803MHz(RX) LTE Band 32 1452MHz ~ 1496MHz(RX) LTE Band 34 2010MHz ~ 2025MHz(TX),2010MHz ~ 2025MHz(RX) LTE Band 38 2570MHz ~ 2620MHz(TX),2570MHz ~ 2620MHz(RX) LTE Band 40 2300MHz ~ 2400MHz(TX),2300MHz ~ 2400MHz(RX) LTE Band 41 2496MHz ~ 2690MHz(TX),2496MHz ~ 2690MHz(RX) LTE Band 42 3400MHz ~ 3600MHz(TX),3400MHz ~ 3600MHz(RX) NR Band n1 1920~1980MHz(TX),2110~2170MHz(RX) NR Band n3 1710 ~ 1785MHz(TX),1805 ~ 1880MHz(RX) NR Band n5 824 ~ 849 MHz(TX), 869 ~ 894 MHz(RX) (Non-EU Band) NR Band n7 2500 ~ 2570 MHz(TX), 2620 ~ 2690 MHz(RX) NR Band n8 880 ~ 915 MHz(TX),925 ~ 960 MHz(RX) NR Band n20 832 ~ 862MHz(TX),791 ~ 821 MHz(RX) NR Band n28 703 ~ 748 MHz(TX),758 ~ 803 MHz(RX) NR Band n38 2570 ~ 2620 MHz(TX),2570 ~ 2620 MHz(RX) NR Band n40 2300 ~ 2400 MHz(TX),2300 ~ 2400 MHz(RX) NR Band n41 2496 ~ 2690MHz(TX),2496 ~ 2690MHz(RX) NR Band n77 3300 ~ 4200 MHz(TX),3300 ~ 4200 MHz(RX) NR Band n78 3300 ~ 3800 MHz(TX),3300 ~ 3800 MHz(RX) BDS B1I, Galileo E1, GLONASS G1, GPS L1 C/A, SBAS L1, 1559MHz ~1610MHz(RX) GPS L5 1164MHz ~ 1215MHz(RX)
Transmit Power Range(s):	BT:8.70dBm,BLE:-0.35dBm,2.4GWiFi:19.31dBm 5.2G:19.03dBm,5.3G:19.08dBm,5.6G:19.08dBm,5.8G:19.08dBm, 6GHz RLAN:17.97dBm



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GSM 900:35dBm, GSM1800:32dBm
 WCDMA Band 1/5(Non-EU Band)/8: 25dBm
 LTE Band 1/3/5(Non-EU Band)/7/8/20/28/34/38/40/41/42: 25dBm
 LTE HPUE Band 41(Non-EU Band):28dBm
 NR Band n1/n3/n5(non-EU
 band)/n7/n8/n20/n28/n38/n40/n41/n77/n78:25dBm
 NR HPUE Band n41/n77/n78:28dBm
 Modulation Type(s): BT:GFSK, π/4DQPSK, 8DPSK
 BLE:GFSK
 2.4WiFi:DSSS,OFDM,OFDMA
 5GWIFI:OFDM,OFDMA
 6G RLAN:OFDM,OFDMA
 GSM:GMSK,8PSK
 WCDMA:QPSK, 16QAM, 64QAM
 LTE: QPSK, 16QAM, 64QAM, 256QAM
 NR:PI/2-BPSK,QPSK, 16-QAM, 64-QAM, 256-QAM
 GNSS: GPS/Beidou/GLONASS/SBAS: BPSK, Galileo: CBOC
 Antenna type(s): Integrated

Technical Construction File (TCF) Details

To demonstrate conformity with Article 3.1(a) Health		
Applied Standards		
EN IEC 62311:2020		
Report or Certificate No.	Issue Date	Issued by
TCWA25060045813	08/28/2025	Sushi TOWE Wireless Testing (Shenzhen) Co., Ltd.
To demonstrate conformity with Article 3.1(a) Safety		
Applied Standards		
EN IEC 62368-1: 2024+A11:2024		
Report or Certificate No.	Issue Date	Issued by
WTX25X06171568S	07/29/2025	Waltek Testing Group (Shenzhen) Co., Ltd.
To demonstrate conformity with Article 3.1(b) EMC		
Applied Standards		
EN 301 489-1 V2.2.3 (2019-11)		
EN 301 489-3 V2.3.2 (2023-01)		
EN 301 489-17 V3.3.1(2024-09)		
EN 301 489-19 V2.2.1 (2022-09)		
EN 301 489-52 V1.3.1(2024-11)		
EN 55032: 2015+A1:2020,		
EN 55035:2017+A11:2020		
Report or Certificate No.	Issue Date	Issued by
TCWA25060045814	09/04/2025	Sushi TOWE Wireless Testing (Shenzhen) Co., Ltd.

To demonstrate conformity with Article 3.2 Spectrum Efficiency

Applied Standards

EN 301 511 V12.5.1 (2017-03)
 EN 301 908-1 V15.2.1 (2023-01)
 EN 301 908-2 V13.1.1 (2020-06)
 EN 301 908-13 V13.3.1 (2024-10)
 EN 301 908-25 V 15.1.1(2024-10)
 EN 300 328 V2.2.2 (2019-07)
 EN 301 893 V2.2.1(2024-11)
 EN 300 440 V2.2.1(2018-07)
 EN 303 687 V1.1.1(2023-06)
 EN 303 413 V1.2.1(2021-04)

Report or Certificate No.

TCWA25060045801

Issue Date

08/28/2025

Issued by

Sushi TOWE Wireless Testing (Shenzhen) Co., Ltd.

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TCWA25060045802

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