

TCB

**GRANT OF EQUIPMENT
AUTHORIZATION**

TCB

Certification

Issued Under the Authority of the
Federal Communications Commission

By:

Eurofins Electrical and Electronic Testing
NA, Inc.
914 W. Patapsco Avenue
Baltimore, MD 21230-3432

Date of Grant: 02/05/2026

Application Dated: 02/05/2026

Particle Industries, Inc.

548 Market St

PMB 34833

San Francisco, CA 94104

Attention: Nick Lambourne , CTO

NOT TRANSFERABLE

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is VALID ONLY for the equipment identified hereon for use under the Commission's Rules and Regulations listed below.

FCC IDENTIFIER: 2AEMI-TACHYON

Name of Grantee: Particle Industries, Inc.

Equipment Class: Citizens Band End User Devices

Notes: Tachyon

Modular Type: Single Modular

<u>Grant Notes</u>	<u>FCC Rule Parts</u>	<u>Frequency Range (MHz)</u>	<u>Output Watts</u>	<u>Frequency Tolerance</u>	<u>Emission Designator</u>
	96	3552.5 - 3597.5	0.144	0.1 PM	4M56G7D
	96	3560.0 - 3590.0	0.132	0.1 PM	18M1G7D
	96	3552.5 - 3597.5	0.133	0.1 PM	4M60W7D
	96	3560.0 - 3590.0	0.12	0.1 PM	18M2W7D
	96	3602.5 - 3697.5	0.121	0.1 PM	4M56G7D
	96	3610.0 - 3690.0	0.111	0.1 PM	18M1G7D
	96	3602.5 - 3697.5	0.094	0.1 PM	4M56W7D
	96	3610.0 - 3690.0	0.091	0.1 PM	18M1W7D
	96	3552.5 - 3697.5	0.124	0.1 PM	4M55G7D
	96	3560.0 - 3690.0	0.113	0.1 PM	18M1G7D
	96	3552.5 - 3697.5	0.103	0.1 PM	4M58W7D
	96	3560.0 - 3690.0	0.093	0.1 PM	18M1W7D
MO	96	3570.0 - 3680.0	0.132	0.1 PM	38M2G7D
MO	96	3570.0 - 3680.0	0.102	0.1 PM	38M7W7D

Single Modular Approval. Output power listed is conducted. The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons. Co-location of this module with other transmitters that operate simultaneously are required to be evaluated using the FCC multi-transmitter procedures. End-Users must be

provided with transmitter operation conditions for satisfying RF exposure compliance. OEM integrators must ensure that the end user has no manual instructions to remove or install this module. The host integrator must follow the integration instructions provided by the module manufacturer and ensure that the composite-system end product complies with the FCC requirements by a technical assessment or evaluation to the FCC rules and to KDB Publication 996369. The module grantee is responsible for providing the documentation to the system integrator on restrictions of use, for continuing compliance of the module. The host integrator installing this module into their product must ensure that the final composite product complies with the FCC requirements by a technical assessment or evaluation to the FCC rules, including the transmitter operation and should refer to guidance in KDB 996369. This device supports 5/10/15/20 MHz bandwidth modes for LTE Band 42/43/48 and 10/20/40 MHz bandwidth modes for 5G NR band n48. This device supports both SA and NSA modes for 5G NR technology. This device supports LTE intra-band Uplink CA in the LTE Band 42/48 and SA UL MIMO in the 5G NR band n48.

MO: This Multiple Input Multiple Output (MIMO) device was evaluated for multiple transmitted signals as indicated in the filing.