

Certification
Issued Under the Authority of the
Federal Communications Commission
By:

Timco Engineering, Inc.
13146 NW 86th Drive Suite 400
Alachua, FL 32615

Date of Grant: 08/08/2024
Application Dated: 08/08/2024

Particle Industries, Inc.
325 9th St
San Francisco, CA 94103

Attention: Zach Supalla , CEO

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-B504
Name of Grantee: Particle Industries, Inc.
Equipment Class: PCS Licensed Transmitter
Notes: B SoM
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>
	22H	826.4 - 846.6	0.188	0.0068 PM	4M13F9W
	22H	829.0 - 844.0	0.208	0.01387 PM	9M02G7D
	22H	829.0 - 844.0	0.161	0.01387 PM	877KW7D
	22H	831.5 - 841.5	0.249	0.00947 PM	1M11W7D
	22H	829.0 - 844.0	0.191	0.00947 PM	13M4G7D
	22H	831.5 - 841.5	0.194	0.00947 PM	1M11W7D
	24E	1852.4 - 1907.6	0.721	0.00323 PM	4M12F9W
	24E	1860.0 - 1900.0	0.776	0.00258 PM	17M9G7D
	24E	1860.0 - 1900.0	0.594	0.00258 PM	1M26W7D
	24E	1860.0 - 1905.0	0.785	0.00825 PM	17M9G7D
	24E	1855.0 - 1910.0	0.579	0.00825 PM	4M75W7D
	24E	1860.0 - 1905.0	0.583	0.00825 PM	1M23W7D
	27	1712.4 - 1752.6	0.502	0.00135 PM	4M12F9W
	27	1720.0 - 1745.0	0.542	0.00307 PM	17M9G7D
	27	1720.0 - 1745.0	0.463	0.00307 PM	1M24W7D
	27	704.0 - 711.0	0.211	0.00758 PM	9M02G7D
	27	704.0 - 711.0	0.164	0.00758 PM	893KW7D
	27	782.0 - 782.0	0.266	0.01015 PM	9M04G7D
	27	782.0 - 782.0	0.209	0.01015 PM	903KW7D
	90	819.0 - 819.0	0.221	0.00956 PM	8M96G7D
	90	819.0 - 819.0	0.167	0.00956 PM	4M72W7D

Output Power is EIRP and ERP for above and below 1 GHz, respectively, except for Part 90 LTE Band 26 emissions, which are conducted. Single Modular Approval for mobile RF Exposure conditions. The module antenna(s) must be installed to meet the RF exposure compliance separation distance of 20 cm from all persons and any additional testing and authorization process as required. Co-location of this module with other transmitters that operate simultaneously are required to be evaluated using the FCC multi-transmitter procedures. Approved for OEM integration only. The grantee must provide OEM integrators, or end-users if marketed directly to end-users, with

installation and operating instructions for satisfying FCC multi-transmitter product guidelines. This grant is valid only when the device is sold to OEM integrators and the OEM integrators are instructed to ensure that the end-user has no manual instructions to remove or install the device.

This device supports LTE of 1.4, 3, 5, 10, 15 and 20 MHz bandwidth modes for FDD LTE Bands 2, 4 and 25; LTE of 1.4, 3, 5 and 10 MHz bandwidth modes for FDD LTE Bands 5 and 12; LTE of 5 and 10 MHz bandwidth modes for FDD LTE Band 13; and LTE of 1.4, 3, 5, 10 and 15 MHz bandwidth modes for FDD LTE Band 26.