

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

**SIEMIC, Inc.
775 Montague Expressway
Milpitas, CA 95035**

**Date of Grant: 03/13/2019
Application Dated: 03/13/2019**

**Particle Industries, Inc.
126 Post St, 4th floor
San Francisco, CA 94108**

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-BRN402
Name of Grantee: Particle Industries, Inc.
Equipment Class: PCS Licensed Transmitter
Notes: Boron LTE

<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	824.7 - 848.3	0.096	1.14 PM	1M11G7D
	22H	824.7 - 848.3	0.079	1.14 PM	1M11W7D
	24E	1850.7 - 1909.3	1.075	0.8 PM	1M11G7D
	24E	1850.7 - 1909.3	0.88	0.8 PM	1M11W7D
	27	1710.7 - 1754.3	0.191	0.0111 PM	1M24G7D
	27	1710.7 - 1754.3	0.153	0.0111 PM	1M13W7D
	27	699.7 - 715.3	0.085	0.0018 PM	1M14G7D
	27	699.7 - 715.3	0.067	0.0018 PM	1M14W7D
	27	779.5 - 784.5	0.039	0.0225 PM	1M14G7D
	27	779.5 - 784.5	0.199	0.0225 PM	1M21W7D

Single Modular Approval. Power output listed are ERP/EIRP. Co-location of this module with other transmitters that operate simultaneously are required to be evaluated using the FCC multi-transmitter procedures. 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 antenna(s) must be installed to meet the RF exposure compliance separation distance of 20cm and any additional testing and authorization process as required. 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. Maximum permitted antenna gain: 3.5 dBi for B2/4, 1 dBi for B5/12/13.