

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

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

**Date of Grant: 08/10/2018
Application Dated: 08/10/2018**

**Sierra Wireless Inc.
13811 Wireless Way
Richmond, BC, V6V 3A4
Canada**

Attention: Ying Wang , Manager, Regulatory Compliance

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: N7NHL78M
Name of Grantee: Sierra Wireless Inc.
Equipment Class: PCS Licensed Transmitter
Notes: Embedded Module
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>
	24E	1850.7 - 1909.3	0.261	4.0 PM	1M09G7D
	24E	1850.7 - 1909.3	0.155	4.0 PM	913KW7D
	24E	1851.5 - 1908.5	0.201	0.002 PM	1M09G7D
	24E	1851.5 - 1908.5	0.151	0.002 PM	918KW7D
	24E	1852.5 - 1907.5	0.195	0.002 PM	1M08G7D
	24E	1852.5 - 1907.5	0.167	0.002 PM	915KW7D
	24E	1855.0 - 1905.0	0.2	0.002 PM	1M09G7D
	24E	1855.0 - 1905.0	0.205	0.002 PM	916KW7D
	24E	1857.5 - 1902.5	0.201	0.002 PM	1M09G7D
	24E	1857.5 - 1902.5	0.208	0.002 PM	915KW7D
	24E	1860.0 - 1900.0	0.2	0.002 PM	1M09G7D
	24E	1860.0 - 1900.0	0.206	0.002 PM	1M09G7D
	24E	1850.7 - 1914.3	0.282	0.002 PM	1M09G7D
	24E	1850.7 - 1914.3	0.165	0.002 PM	917KW7D
	24E	1851.5 - 1913.5	0.213	0.002 PM	1M08G7D
	24E	1851.5 - 1913.5	0.143	0.002 PM	923KW7D
	24E	1852.5 - 1912.5	0.209	0.002 PM	1M09G7D
	24E	1852.5 - 1912.5	0.207	0.002 PM	915KW7D
	24E	1855.0 - 1910.0	0.216	0.002 PM	1M09G7D
	24E	1855.0 - 1910.0	0.212	0.002 PM	914KW7D
	24E	1857.5 - 1907.5	0.212	0.002 PM	1M09G7D
	24E	1857.5 - 1907.5	0.207	0.002 PM	911KW7D
	24E	1860.0 - 1905.0	0.215	0.002 PM	1M09G7D
	24E	1860.0 - 1905.0	0.214	0.002 PM	916KW7D
	22H	824.7 - 848.3	0.25	0.005 PM	1M09G7D

22H	824.7 - 848.3	0.142	0.005 PM	915KW7D
22H	825.5 - 847.5	0.194	0.005 PM	2M70G7D
22H	825.5 - 847.5	0.196	0.005 PM	2M69W7D
22H	826.5 - 846.5	0.195	0.005 PM	1M08G7D
22H	826.5 - 846.5	0.191	0.005 PM	915KW7D
22H	829.0 - 844.0	0.197	0.005 PM	1M09G7D
22H	829.0 - 844.0	0.198	0.005 PM	914KW7D
22H	824.7 - 848.3	0.239	0.005 PM	1M09G7D
22H	824.7 - 848.3	0.216	0.005 PM	914KW7D
22H	825.5 - 847.5	0.226	0.005 PM	1M09G7D
22H	825.5 - 847.5	0.224	0.005 PM	918KW7D
22H	826.5 - 846.5	0.226	0.005 PM	1M08G7D
22H	826.5 - 846.5	0.224	0.005 PM	911KW7D
22H	829.0 - 844.0	0.225	0.005 PM	1M09G7D
22H	829.0 - 844.0	0.224	0.005 PM	914KW7D
22H	831.5 - 841.5	0.225	0.005 PM	1M09G7D
22H	831.5 - 841.5	0.222	0.005 PM	924KW7D
27	1710.7 - 1754.3	0.256	0.002 PM	1M09G7D
27	1710.7 - 1754.3	0.146	0.002 PM	915KW7D
27	1711.5 - 1753.5	0.196	0.002 PM	1M09G7D
27	1711.5 - 1753.5	0.194	0.002 PM	922KW7D
27	1712.5 - 1752.5	0.199	0.002 PM	1M09G7D
27	1712.5 - 1752.5	0.208	0.002 PM	921KW7D
27	1715.0 - 1750.0	0.199	0.002 PM	1M09G7D
27	1715.0 - 1750.0	0.202	0.002 PM	921KW7D
27	1717.5 - 1747.5	0.2	0.002 PM	1M09G7D
27	1717.5 - 1747.5	0.201	0.002 PM	918KW7D
27	1720.0 - 1745.0	0.2	0.002 PM	1M09G7D
27	1720.0 - 1745.0	0.202	0.002 PM	916KW7D
27	699.7 - 715.3	0.264	0.006 PM	1M09G7D
27	699.7 - 715.3	0.24	0.006 PM	913KW7D
27	700.5 - 714.5	0.243	0.006 PM	1M09G7D
27	700.5 - 714.5	0.194	0.006 PM	918KW7D
27	701.5 - 713.5	0.2	0.006 PM	1M08G7D
27	701.5 - 713.5	0.207	0.006 PM	918KW7D
27	704.0 - 711.0	0.205	0.006 PM	1M09G7D
27	704.0 - 711.0	0.205	0.006 PM	915KW7D
27	779.5 - 784.5	0.233	0.005 PM	1M09G7D
27	779.5 - 784.5	0.197	0.005 PM	917KW7D
27	782.0 - 782.0	0.212	0.005 PM	1M09G7D
27	782.0 - 782.0	0.208	0.005 PM	912KW7D
27	706.5 - 713.5	0.239	0.005 PM	1M09G7D
27	706.5 - 713.5	0.201	0.005 PM	924KW7D
27	709.0 - 711.0	0.236	0.005 PM	1M09G7D
27	709.0 - 711.0	0.222	0.005 PM	924KW7D
27	1710.7 - 1779.3	0.231	0.002 PM	1M09G7D
27	1710.7 - 1779.3	0.22	0.002 PM	917KW7D
27	1711.5 - 1778.5	0.215	0.002 PM	1M08G7D
27	1711.5 - 1778.5	0.206	0.002 PM	925KW7D
27	1712.5 - 1777.5	0.206	0.002 PM	1M09G7D
27	1712.5 - 1777.5	0.209	0.002 PM	915KW7D
27	1715.0 - 1775.0	0.201	3.9 PM	1M09G7D
27	1715.0 - 1775.0	0.215	3.9 PM	917KW7D
27	1717.5 - 1772.5	0.206	0.002 PM	1M09G7D

	27	1717.5 - 1772.5	0.221	0.002 PM	926KW7D
	27	1720.0 - 1770.0	0.209	0.002 PM	1M09G7D
	27	1720.0 - 1770.0	0.21	0.002 PM	920KW7D
PF	90	790.5 - 795.5	0.226	0.005 PM	1M08G7D
PF	90	790.5 - 795.5	0.195	0.005 PM	913KW7D
PF	90	793.0 - 793.0	0.224	0.005 PM	1M09G7D
PF	90	793.0 - 793.0	0.211	0.005 PM	912KW7D
	90	814.7 - 823.3	0.233	0.005 PM	1M09G7D
	90	814.7 - 823.3	0.213	0.005 PM	914KW7D
	90	815.5 - 822.5	0.225	0.005 PM	1M08G7D
	90	815.5 - 822.5	0.216	0.005 PM	916KW7D
	90	816.5 - 821.5	0.228	0.005 PM	1M08G7D
	90	816.5 - 821.5	0.22	0.005 PM	918KW7D
	90	819.0 - 819.0	0.231	0.005 PM	1M09G7D
	90	819.0 - 819.0	0.219	0.005 PM	910KW7D

Output power is conducted for modular approval. This grant is valid only when the module is sold to OEM integrators and must be installed by the OEM or OEM integrators. The antenna used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users may not be provided with the module installation instructions. OEM integrators and end-users must be provided with transmitter operating conditions for satisfying RF exposure compliance.

Compliance of this device in all final product configurations is the responsibility of the Grantee. Installation of this device into specific final products may require the submission of a Class II permissive change application containing data pertinent to RF exposure, emissions and host/module authentication, or new application if appropriate.

The maximum antenna gain including cable loss for compliance with radiated power limits, RF exposure requirements and the categorical exclusion requirements of 2.1091 is 8.5dBi for 1900MHz (LTE FDD 2/25) and 1700MHz (LTE FDD 4), 5.5dBi for 1700MHz (LTE TDD 66), 9dBi for 800MHz/700MHz (LTE FDD 5/12/13/14/17/26).

This module can only be used with a host antenna circuit trace layout design in strict compliance with the OEM instructions provided.

PF: Transmitter approved for Public Safety Broadband