

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

DEKRA Testing and Certification, S.A.U.
Parque Tecnológico de Andalucía, Calle Severo Ochoa 2 y 6
Campanillas - Malaga, 29590
Spain

Date of Grant: 06/16/2020
Application Dated: 06/16/2020

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

Attention: Ying Wang , Sr. 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: N7NHL7802
Name of Grantee: Sierra Wireless Inc.
Equipment Class: PCS Licensed Transmitter
Notes: Module
Modular Type: Single Modular

Grant Notes

FCC Rule Parts	Frequency Range (MHz)	Output Watts	Frequency Tolerance	Emission Designator
24E	1850.7 - 1909.3	0.237	0.001 PM	1M12G7D
24E	1850.7 - 1909.3	0.226	0.001 PM	1M00W7D
24E	1850.7 - 1909.3	0.254	0.0019 PM	101KG7D
24E	1850.7 - 1909.3	0.252	0.0019 PM	193KG7D
27	1710.7 - 1754.3	0.267	0.001 PM	1M12G7D
27	1710.7 - 1754.3	0.249	0.001 PM	1M00W7D
27	1710.7 - 1754.3	0.258	0.002 PM	192KG7D
22H	824.7 - 848.3	0.252	0.0044 PM	193KG7D
27	699.7 - 715.3	0.239	0.0037 PM	1M12G7D
27	699.7 - 715.3	0.254	0.0037 PM	1M00W7D
27	699.7 - 715.3	0.234	0.0037 PM	1M01W7D
27	699.7 - 715.3	0.248	0.0053 PM	103KG7D
27	699.7 - 715.3	0.247	0.0053 PM	192KG7D
27	779.3 - 784.5	0.228	0.0027 PM	1M11G7D
27	779.3 - 784.5	0.231	0.0027 PM	971KW7D
27	779.3 - 784.5	0.242	0.0044 PM	192KG7D
24E	1850.7 - 1914.3	0.236	0.001 PM	1M11G7D
24E	1850.7 - 1914.3	0.23	0.001 PM	1M11G7D
24E	1850.7 - 1914.3	0.231	0.001 PM	996KW7D
24E	1850.7 - 1914.3	0.254	0.0019 PM	192KG7D
27	1710.7 - 1779.3	0.269	0.0019 PM	1M11G7D
27	1710.7 - 1779.3	0.244	0.0013 PM	1M11G7D
27	1710.7 - 1779.3	0.246	0.0013 PM	1M00W7D
27	1710.7 - 1779.3	0.248	0.0019 PM	195KG7D
22H	824.2 - 848.8	0.94	0.0182 PM	240KGXW
24E	1850.2 - 1909.8	1.531	0.0076 PM	239KGXW
22H	824.7 - 848.3	0.259	0.0027 PM	1M12G7D
22H	824.7 - 848.3	0.242	0.0027 PM	1M01W7D
90	814.0 - 824.8	0.246	0.0022 PM	1M12G7D
90	814.2 - 823.8	0.24	0.0027 PM	929KG7D
90	814.2 - 823.8	0.025	0.0037 PM	192KW7D

Output power listed is conducted.

Single Modular approval.

This grant is valid only when the module is sold to OEM integrators. The module antenna(s) must be installed to meet the RF exposure compliance separation distance of 20 cm 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 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 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. 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 3.0 dBi for 7000 MHz bands, 3.0 dBi for 850 MHz bands, 3.0 dBi for the 1900 MHz bands, 6.0 dBi for the 1700 MHz bands 6.0 dBi for 1800 MHz band.

Multi-transmitter configurations, supporting simultaneous transmission, have not been evaluated and shall be evaluated according to KDB Publication 447498 and §2.947(f) composite system and §2.1 end product terms and concepts.

Compliance of this device in all final product configurations is the responsibility of the Grantee.