TCB

GRANT OF EQUIPMENT AUTHORIZATION

TCB

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

ACB, Inc.
6731 Whittier Avenue Suite C110
McLean, VA 22101

Date of Grant: 06/23/2020

Application Dated: 06/18/2020

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: N7NEM91
Name of Grantee: Sierra Wireless Inc.
Equipment Class: PCS Licensed Transmitter
Notes: Wireless Module
Modular Type: Single Modular

Grant Notes	FCC Rule Parts	Frequency Range (MHZ)	Output Watts	Frequency Tolerance	Emission Designator
BC	22H	824.0 - 849.0	0.2679	0.0105 PM	4M15F9W
BC	24E	1850.0 - 1910.0	0.2612	0.004 PM	4M16F9W
BC	27	1710.0 - 1755.0	0.2754	0.0048 PM	4M14F9W
BC	24E	1850.0 - 1910.0	0.2153	0.0066 PM	18M0G7D
BC	24E	1850.0 - 1910.0	0.1871	0.0066 PM	17M9W7D
BC	24E	1850.0 - 1910.0	0.1954	0.0066 PM	4M51W7D
BC	24E	1850.0 - 1915.0	0.2158	0.0066 PM	17M9G7D
BC	24E	1850.0 - 1915.0	0.1795	0.0066 PM	17M9W7D
BC	27	1710.0 - 1755.0	0.227	0.0066 PM	17M9G7D
BC	27	1710.0 - 1755.0	0.1963	0.0066 PM	17M9W7D
BC	27	1710.0 - 1780.0	0.227	0.0066 PM	18M0G7D
BC	27	1710.0 - 1780.0	0.1959	0.0066 PM	17M9W7D
BC	22H	824.0 - 849.0	0.2143	0.0066 PM	13M4G7D
BC	22H	824.0 - 849.0	0.175	0.0066 PM	13M4W7D
BC	22H	824.0 - 849.0	0.1754	0.0066 PM	9M01W7D
BC	90	814.0 - 824.0	0.2037	0.0066 PM	13M5G7D
BC	90	814.0 - 824.0	0.175	0.0066 PM	13M4W7D
BC	27	2500.0 - 2570.0	0.2188	0.0066 PM	17M9G7D
BC	27	2500.0 - 2570.0	0.1862	0.0066 PM	17M9W7D
BC	27	2500.0 - 2570.0	0.1892	0.0066 PM	13M5W7D
BC	27	699.0 - 716.0	0.2089	0.0066 PM	9M01G7D
BC	27	699.0 - 716.0	0.177	0.0066 PM	9M01W7D
BC	27	777.0 - 787.0	0.2188	0.0066 PM	8M97G7D
BC	27	777.0 - 787.0	0.1858	0.0066 PM	9M03W7D
BC	90	788.0 - 798.0	0.2099	0.0066 PM	9M05G7D
BC	90	788.0 - 798.0	0.1795	0.0066 PM	9M05W7D

BC	**27**	**704.0 - 716.0**	**0.2099**	**0.0066 PM**	**9M05G7D**
BC	**27**	**704.0 - 716.0**	**0.1782**	**0.0066 PM**	**9M01W7D**
BC	**27**	**2305.0 - 2315.0**	**0.195**	**0.0066 PM**	**9M03G7D**
BC	**27**	**2305.0 - 2315.0**	**0.1675**	**0.0066 PM**	**9M05W7D**
BC	**27**	**2305.0 - 2315.0**	**0.1982**	**0.0066 PM**	**4M51G7D**
BC	**27**	**2305.0 - 2315.0**	**0.1702**	**0.0066 PM**	**4M49W7D**
BC	**27**	**2570.0 - 2620.0**	**0.2188**	**0.0066 PM**	**17M9G7D**
BC	**27**	**2570.0 - 2620.0**	**0.1858**	**0.0066 PM**	**17M8W7D**
BC	**27**	**2570.0 - 2620.0**	**0.1914**	**0.0066 PM**	**13M5W7D**
BC	**27**	**2496.0 - 2690.0**	**0.3258**	**0.0066 PM**	**17M9G7D**
BC	**27**	**2496.0 - 2690.0**	**0.2812**	**0.0066 PM**	**17M9W7D**
BC	**27**	**663.0 - 698.0**	**0.2109**	**0.0066 PM**	**17M9G7D**
BC	**27**	**663.0 - 698.0**	**0.1778**	**0.0066 PM**	**17M9W7D**
BC	**27**	**663.0 - 698.0**	**0.182**	**0.0066 PM**	**4M51W7D**
BC	**27**	**2500.0 - 2570.0**	**0.2198**	**0.0066 PM**	**37M7G7D**
BC	**27**	**2500.0 - 2570.0**	**0.2138**	**0.0066 PM**	**37M7W7D**
BC	**27**	**2500.0 - 2570.0**	**0.2333**	**0.0066 PM**	**32M9G7D**
BC	**27**	**2570.0 - 2620.0**	**0.1596**	**0.0066 PM**	**38M0G7D**
BC	**27**	**2570.0 - 2620.0**	**0.1679**	**0.0066 PM**	**38M0W7D**
BC	**27**	**2496.0 - 2690.0**	**0.2254**	**0.0066 PM**	**37M6G7D**
BC	**27**	**2496.0 - 2690.0**	**0.1945**	**0.0066 PM**	**37M7W7D**
BC	**27**	**2496.0 - 2690.0**	**0.2582**	**0.0066 PM**	**23M5G7D**
BC	**27**	**2496.0 - 2690.0**	**0.2259**	**0.0066 PM**	**33M1W7D**
BC	**27**	**1710.0 - 1780.0**	**0.2254**	**0.0066 PM**	**37M6G7D**
BC	**27**	**1710.0 - 1780.0**	**0.2399**	**0.0066 PM**	**37M5W7D**
BC	**24E**	**1850.0 - 1910.0**	**0.2182**	**0.0066 PM**	**17M9F9W**
BC	**24E**	**1850.0 - 1910.0**	**0.2152**	**0.0066 PM**	**18M0G7D**
BC	**22H**	**824.0 - 849.0**	**0.2199**	**0.0066 PM**	**17M9F9W**
BC	**22H**	**824.0 - 849.0**	**0.212**	**0.0066 PM**	**17M9G7D**
BC	**27**	**2496.0 - 2690.0**	**0.2112**	**0.0066 PM**	**96M7F9W**
BC	**27**	**2496.0 - 2690.0**	**0.2078**	**0.0066 PM**	**96M3G7D**
BC	**27**	**1710.0 - 1780.0**	**0.243**	**0.0066 PM**	**17M9F9W**
BC	**27**	**1710.0 - 1780.0**	**0.2342**	**0.0066 PM**	**17M9G7D**
BC	**27**	**663.0 - 698.0**	**0.186**	**0.0066 PM**	**17M9F9W**
BC	**27**	**663.0 - 698.0**	**0.1877**	**0.0066 PM**	**18M0G7D**

Power out is conducted at the antenna terminal. Single Modular Approval.

This device is certified for mobile and fixed applications. Co-location of this module with other transmitters would require the use of FCC multi-transmitter product procedures. End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance. OEM integrators must insure that the end user has no manual instructions to remove or install this module. For mobile operating configurations the antenna gain, including cable loss, must not exceed the gains documented in this filing for satisfying RF exposure compliance, as defined in 2.1091. Under no conditions may an antenna gain be used that would exceed the ERP and/or EIRP power limits as specified in Parts 22/24/27/90. The Grantee is responsible for providing the documentation required for modular use.

This device has 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz and 20 MHz bandwidth modes for LTE Bands 2/4/25/66; 1.4 MHz, 3 MHz, 5 MHz and 10 MHz bandwidth modes for LTE Bands 5/12; 1.4 MHz, 3 MHz, 5 MHz, 10 MHz and 15 MHz bandwidth modes for LTE Band 26; 5 MHz and 10 MHz bandwidth modes for LTE Bands 13/14/17/30; 5 MHz, 10 MHz, 15 MHz and 20 MHz bandwidth modes for LTE Bands 7/38/41/71. This device

also supports CA UL on the LTE Bands 7/38/41/66.

This device supports 5G NR (FR1, sub-6GHz) NSA (EN-DC) along with some LTE bands, as documented in this filing; and it has 5MHz, 10 MHz, 15 MHz and 20 MHz bandwidth modes for NR bands n2/n5/n66/n71; 20 MHz, 40 MHz, 50 MHz, 60 MHz, 80 MHz, 90 MHz and 100 MHz bandwidth modes for NR band n41.

This device also contains LTE Band 48 (CBRS) transmitter.

BC: The output power is continuously variable from the value listed in this entry to 5%-10% of the value listed.