

**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: 06/29/2023

Application Dated: 06/28/2023

Nordic Semiconductor ASA
Otto Nielsens vei 12
Trondheim, 7052
Norway

Attention: Ketil Aas-Johansen , Application Engineer

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: 2ANPO00NRF9160
Name of Grantee: Nordic Semiconductor ASA
Equipment Class: PCS Licensed Transmitter
Notes: PCS Licensed Transmitter
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> |
|--------------------|-----------------------|------------------------------|---------------------|----------------------------|----------------------------|
| | 27 | 699.0 - 716.0 | 0.19402 | 1.0 PM | 1M14G7W |
| | 27 | 699.0 - 716.0 | 0.1556 | 1.0 PM | 965KD7W |
| | 27 | 777.0 - 787.0 | 0.20045 | 1.0 PM | 1M11G7W |
| | 27 | 777.0 - 787.0 | 0.19498 | 1.0 PM | 947KD7W |
| | 90 | 788.0 - 798.0 | 0.21184 | 1.0 PM | 1M11G7W |
| | 90 | 788.0 - 798.0 | 0.19055 | 1.0 PM | 968KD7W |
| | 90, 22H | 814.0 - 849.0 | 0.21777 | 1.0 PM | 1M12G7W |
| | 90, 22H | 814.0 - 849.0 | 0.17219 | 1.0 PM | 966KW7D |
| | 90, 22H | 823.3 - 824.7 | 0.20989 | 1.0 PM | 1M11G7W |
| | 90, 22H | 823.3 - 824.7 | 0.17219 | 1.0 PM | 963KD7W |
| | 27 | 1710.0 - 1780.0 | 0.2138 | 1.0 PM | 1M12G7W |
| | 27 | 1710.0 - 1780.0 | 0.19099 | 1.0 PM | 952KD7W |
| | 24E | 1850.0 - 1915.0 | 0.21777 | 1.0 PM | 1M12G7W |
| | 24E | 1850.0 - 1915.0 | 0.1766 | 1.0 PM | 956KD7W |
| | 90 | 699.2 - 715.8 | 0.20091 | 1.0 PM | 203KG7W |
| | 27 | 777.2 - 786.8 | 0.20512 | 1.0 PM | 203KG7W |
| | 90, 22H | 814.2 - 848.8 | 0.2023 | 1.0 PM | 203KG7W |
| | 90, 22H | 824.0 - 824.0 | 0.20045 | 1.0 PM | 200KG7W |
| | 22H | 1710.2 - 1779.8 | 0.21135 | 1.0 PM | 204KG7W |
| | 27 | 1850.2 - 1914.8 | 0.21777 | 1.0 PM | 205KG7W |
| | 27 | 897.5 - 900.5 | 0.19678 | 1.0 PM | 1M1G7W |
| | 27 | 897.5 - 900.5 | 0.155596 | 1.0 PM | 952KD7W |
| | 27 | 897.8 - 900.2 | 0.1949844 | 1.0 PM | 128KG7W |
| | 27 | 897.8 - 900.2 | 0.18281 | 1.0 PM | 186KG7W |

Output power listed is conducted.

This grant is valid only when the module is sold to OEM integrators and must be installed by the OEM or OEM integrators. This module can only be used with a host antenna circuit trace layout design in strict compliance with the OEM instructions provided.

The antenna of this transmitter must provide a separation distance of at least 20 cm from all persons. Installers and end-users must be provided with antenna installation instructions and transmitter operating conditions and instructions for satisfying RF exposure compliance. The final product operating with this transmitter must include operating instructions and antenna installation instructions, for end-users and installers to satisfy RF exposure compliance requirements.

Maximum antenna gains for mobile operation to comply with MPE and EIRP limits are 9.0 dBi for LTE FDD 2 frequency band, 6.0 dBi for LTE FDD 4 frequency band, 10.41 dBi for LTE FDD 5 frequency band, 10.78 dBi for LTE FDD band 8 frequency band, 9.7 dBi for LTE FDD 12 frequency band, 10.16 dBi for LTE FDD 13 frequency band, 10.22 dBi for LTE FDD 14 frequency band, 9.73 dBi for LTE FDD 17 frequency band, 9.0 dBi for LTE FDD 25 frequency band, 10.36 dBi for LTE FDD 26 frequency band and 6.0 dBi for LTE FDD 66 frequency band.

Multi-transmitter, supporting simultaneous transmission configurations, 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. 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.

This device contains functions that are not operational in U.S. Territories. This filing is only applicable for U.S. operations

C2PC filing to add band 8 according to USA requirements.