

Approved Body Type Examination Certificate Statutory Instruments 2017 No. 1206 Telecommunications Radio Equipment Regulations 2017

Certificate

AN24C14350-UKCA-1

Issue date¹

April 1, 2024

¹This certificate expires 3 years after the issue date. Revisions of the applied standards and/or modifications to the approved type which may affect the conformity of the radio equipment with the essential requirements of S.I. 2017 No. 1206 may also have an impact on the validity of this certificate.

Nordic Semiconductor ASA

Otto Nielsens veg 12,
7052 Trondheim
Norway

nRF9151

nRF9151-DK

The above model has been evaluated and conforms, subject to any restrictions stated in the attached Annex, with the essential requirements of Schedule 3, Module B, of the UK Statutory Instruments 2017 No. 1206 Telecommunications (the Radio Equipment Regulations 2017) and the mutual recognition of their conformity, in relation to the essential requirements identified in the Scope of Examination.

Signed:


Mark Briggs MIEE CEng

Details of this certification, standards used, RF parameters of this equipment and other information necessary for the correct interpretation and application, including any remarks, restrictions or observations are detailed in the attached Annex.

This is to certify that (a) sample(s) of the Product described herein has been investigated and found to be in compliance with the Standard(s) indicated on this Certificate. This certificate applies only to the product sample(s) submitted by the Applicant. UL did not select the sample(s) or determine whether the sample(s) provided were representative of other manufactured products. UL has not established Follow-Up Service or other surveillance of the product. The Applicant/ Manufacturer are solely and fully responsible for conformity of all products to all applicable standard(s), specifications or requirements. This certificate shall only be used in its entirety. Authorization to apply the Approved Body Identification Number adjacent to the UKCA Marking is not permitted for Module B Certifications. The manufacturer shall keep a copy of this Type Examination certificate, its annexes and additions together with the technical documentation at the disposal of the national authorities for 10 years after the radio equipment has been placed on the market.

Annex

Scope of examination

Essential Requirement	Applied standard(s) (and version) or reference.
Regulation 6.(2) Radio Spectrum	EN 301 406-2 V3.1.1

Technical documentation details

Title:	Technical Construction File (TCF)
Reference number:	Technical Summary document for nRF9151 DK and nRF9151
Issue date:	January 26 th , 2024, plus updates
Contact name:	Mona Hämeenaho

General product details

Brand / Trade Name:	Nordic Semiconductor
Model Number(s) / Type Designation:	nRF9151 nRF9151-DK
Build Version / Revision Level:	v.0.9.0
Software Name and Version:	nRF9151DK HW 0.2.0
Operating Frequency and Declared Maximum Output Power	DECT NR+ 1880 – 1900 MHz 22.0 dBm eirp The above values are for the development kit when using module nRF9151 with maximum gain antennas of 3.0 dBi. Maximum Conducted powers for Module DECT NR+ 1880 – 1900 MHz 19.0 dBm
Description of Use / Function:	nRF9151 is an IoT module containing a DECT NR+ radio. The Development Kit, nRF9151-DK, is used to design and develop application firmware for the IoT module.
Manufacturers Company Name:	Nordic Semiconductor ASA
Manufacturers Address:	Otto Nielsens veg 12, 7052 Trondheim Norway

Accessories

The development kit may be used with maximum gain antennas of 3.0 dBi.

Product variant details

The module and development kit can be configured to support either DECT technology or a combination of LTE and GNSS technologies. This certificate is for the version that supports DECT.

Assessment of standards applied

References to designated standards for the Radio Regulations are with reference to the list last updated on 5 December 2023 (www.gov.uk).

Although EN 301 406 V2.2.2 is the designated standard covering the essential requirements of article 3.2 for DECT equipment the most recent but non-designated version of the standard, EN 301 406-2 V3.1.1 was used. This standard represents state of the art with respect to demonstrating compliance with the essential requirements of the Radio Equipment Regulations. The manufacturer needs to consider re-assessment of compliance as newer versions of standards used are published and designated.

Remarks and observations

The manufacturer's declaration of conformity (DoC) appropriately lists the standards used and identifies the equipment by a model number. The additional inclusion of batch or serial numbers in the DoC may be required to identify which version of a DoC applies whenever the DoC is updated and applies only to specific versions of a model (e.g. after a modification to meet a requirement introduced through revisions in standards). The manufacturer is reminded that the UKCA Declaration of Conformity and the Technical Documentation, which includes this certificate, shall be kept at the disposal of the National Authority for ten years after the radio equipment has been placed on the market. The simplified DoC is included in the user documentation, meeting the requirements of regulation 13(3).

The product labelling and product packaging contained the UKCA mark as required by the Regulations. As required by regulation 12 the registered trademark / name of the manufacturer is also included. The product label did not include the manufacturer or importer information however, as the development kit is not for sale on the open market and the is a module to be pre-installed in a host device before importation, the manufacturer/importer information will be supplied in the host manual. The product labeling included a type, batch or serial number or other element allowing its identification as required by the Regulations.

The user information provided in the technical documentation does include the operating frequency and output power information required by Regulation 13. This information must be included in the user documentation prior to placing the device on the market in the UK.

There are no restrictions associated with the use of this device based on UK Interface Requirement 2011, Analogue and digital cordless telephony service.

It is the responsibility to the manufacturer to ensure the ongoing compliance of this equipment. The manufacturer shall inform the approved body that holds the technical documentation relating to the UK-type examination certificate of all modifications to the approved type that may affect the conformity of the radio equipment with the essential requirements of this Statutory Instrument or the conditions for validity of that certificate. Such modifications shall require additional approval in the form of an addition to the original UK-type examination certificate.

Additional comments for modular radio devices

This certificate is limited to the radio module as identified and documented. It does not constitute compliance of products which will incorporate this module, with the exception of the Development Kit nRF9151-DK.

Integrators shall be provided with sufficient technical detail instruction for compliant installation / integration of the module. Such instruction should include an alert to the integrator to evaluate the host product with the integrated radio module against the essential requirements of the Radio Regulations and may contain recommendations about the scope of re-evaluation.

Compliance with essential requirements related to use of the Regulation 6(2) for most host systems may be limited to the radiated spurious emissions and receiver blocking test requirements detailed in the referenced standards provided that the host system is intended for use in indoor/outdoor locations (temperature range of -10°C to 70°) and providing a stable voltage (+/- 10% of nominal 5 Volts) to the module over a +/-15% input voltage range to the host system. Additional, host-level evaluation is required for systems using this module to demonstrate compliance with the other essential requirements of the Radio Equipment Regulations (i.e. EMC and safety), taking into consideration all of the functions and features of the combined equipment.

System integrators may find the following ETSI technical guide of use when performing evaluations of the final product: ETSI EG 203 367 V1.1.1 "*Guide to the application of designated standards covering articles 3.1b and 3.2 of the Directive 2014/53/EU (RED) to multi-radio and combined radio and non-radio equipment*". In addition, Guidance Note 01 published by the [RED CA](#) contains guidance on requirements for host system incorporating radio modules.

Revision History

April 1, 2024 Original version (-1) released.