

# UK TYPE EXAMINATION CERTIFICATE

**Approved Body:** 0359      **Certificate Number:** UK-RER-13 R2

**Applicant:** Nordic Semiconductor ASA, Otto Nielsens vei 12, Trondheim, Norway, N-7052.

**Manufacturer:** As above.

**Brand:** nRF91

**Product:** IOT Module .

**Model / Type Ref:** nRF9160

**Technical Data / Rating:** See Page 2 (Limitations and conditions of use)

**Intended Use:** IOT Module with CPU, LTE Cat-M1, Cat-NB1 Radio and GPS Receiver function.

**Network Interface:** Managed LTE - M and IoT applications.

**Frequency Range:** LTE: FDD 1, FDD 3, FDD 8, FDD 20, FDD 28

**Transmitted Power:** 23 dBm -3/+1 dB

**Technical File No(s):** G104602390

**Conclusions:**

*The Approved Body certifies that this equipment has been found to comply with the essential requirements of the Radio Equipment Regulation 2017 and UKCA marking whereby the objectives of Schedule 3 have been considered that the technical file properly demonstrates that the essential requirements of Chapter 1, clause 6-1 and 6-2 of the Regulation have been met in respect of the above mentioned radio equipment. (See page 2 of this certificate for a summary of rationale)*

*It applies only to the product(s) submitted and as detailed in the Technical File (TF).*

*It does not imply that the Approved Body has performed any surveillance or control of the manufacture(s) unless otherwise stated.*

*The manufacturer(s) shall ensure that the manufacturing process assures compliance of the production units with the examined equipment mentioned in this certificate.*

*The manufacturer shall inform the Approved Body of any modifications made to the examined product; this may lead to additional approval work resulting in cancellation, amendment and/or reissuance of this Type Examination Certificate.*

Intertek Testing & Certification Limited  
Cleve Road  
Leatherhead  
KT22 7SA

**Certification Officer:** Bruce McGill

**Issue Date:** 03.03.2021

**Signature:**



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**Rationale:** Applied Standards under the Radio Equipment Regulation 2017

Regulation Reference	Reference Material	TF / Report Reference
<b>Chapter 1 Clause 6-1:</b>	<b>Standard:</b>	<b>G104602390:</b>
<b>a. Safety:</b>	EN 62368-1:2014	58471RSE.001
	EN 62311:2008	59675RAN.001A1
<b>b. EMC:</b>	Draft EN 301 489-1 V2.2.0	58741REM.001
	Draft EN 301 489-19 V2.1.0	59675REM.001
	Draft EN 301 489-52 V1.1.0	64610REM.003A1
<b>Chapter 1 Clause 6-2:</b>	EN 301 908-1 V11.1.1	58741REM.003
<b>Radio Spectrum:</b>	EN 301 908-13 V13.1.1	58741REM.004
	EN 303 413 v 1.1.1	59675REM.002A1
		59675REM.003A1
		59678RMV.002
		64610RMV.001
		64610REM.001A1
		64610REM.002A1
		58741RRF.002

## Limitations and Conditions of Use:

- Operating modes: LTE Cat-NB1, LTE Cat-M1, GPS
- Operating frequency bands: LTE: FDD 1, FDD 3, FDD 8, FDD 20, FDD 28
- GNSS: GPS L1
- Modulations: LTE Cat-NB1: BPSK, QPSK, LTE Cat-M1: QPSK, 16QAM
- Output power: 23 dBm -3/+1 dB
- Antenna: External antenna - Impedance 50 Ohm
- Operating voltage: From 3.1 VDC to 5.5 VDC
- Operating temperature: From -10°C to 55 °C

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