



# **Permit to Connect Device to Mobile Network**

PTC 257/22/001

31 January 2022

## Copyright

Device Technology & Certification, Value Management CoE. Copyright © 2021 Spark New Zealand. All Rights Reserved.

No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise without the prior written permission of Spark New Zealand. This document is the property of Spark New Zealand and may not be disclosed to a third party other than to any wholly owned subsidiary of Spark New Zealand or copied without consent.

## PTC257 Details

---

### Section 1: Applicant Details

<b>Company Name</b>	Nordic Semiconductor ASA	
<b>Address</b>	Otto Nielsens veg 12	
<b>City</b>	Trondheim	
<b>Country</b>	Norway	
<b>Applicant Name</b>	Jouni Korhonen	
<b>Applicant Position in Company</b>	Principal R&D Engineer	
<b>Applicant Contact Details</b>	<b>Email</b>	Jouni.korhonen@nordicsemi.no
	<b>Phone</b>	+358504873229

## Section 2: Device Technology Details

<b>Manufacturer</b>	Nordic Semiconductor ASA		
<b>Device Make &amp; Model</b>	nRF9160-SICA-B1A		
<b>Type of Product</b>	Module		
<b>Hardware Version</b>	nRF9160 DK using nRF9160-SICA-B1A module		
<b>Software/Firmware Version</b>	mfw_nrf9160_1.3.1		
<b>Operating System &amp; Version</b>	Zephyr		
<b>RF Cellular Chipset</b>	Nordic nRF9120		
<b>RF Band Support</b> All supported bands (e.g. NR FR1 n78; LTE FDD 3, 7, 28)	<b>NR</b>	<b>FR1</b>	N/A
		<b>FR2</b>	N/A
	<b>LTE</b>	<b>TDD</b>	N/A
		<b>FDD</b>	1, 2, 3, 4, 5, 8, 12, 13, 18, 19, 20, 25, 26, 28, 66
	<b>UMTS</b>	N/A	
	<b>GSM</b>	N/A	
<b>Mobile Data Category</b> (e.g. LTE DL CAT-20, UL CAT-18; UMTS HSDPA CAT-24, HSUPA CAT-6)	<b>LTE</b>	CAT M1, CAT NB1, CAT NB2	
	<b>UMTS</b>	N/A	

<b>Battery</b>	<b>Manufacturer (s)</b>	N/A
	<b>Model</b>	N/A

<b>To-Market Power Supply / Charger Model</b>	<b>Manufacturer (s)</b>	N/A
	<b>Model</b>	N/A

## Section 3: Certification Variations


Listed below are any deviations from the Device Certification standard validation suites.

<b>Certification Variations</b>	There are no variations noted.
---------------------------------	--------------------------------

## PTC257 Approval

---

1. The applicant listed in section 1 is hereby issued with this PTC for the device listed in section 2 of this document.
2. This document confirms that the device listed in section 2 has completed Spark New Zealand Device Certification, in accordance with the Permit to Connect (PTC) Certification process which includes compliance with Spark New Zealand regulatory requirements or undertakings with the Ministry of Business, Innovation and Employment (MBIE), Commerce Commission, and relevant New Zealand safety standards.
3. The information contained in this document is confidential and no part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise without the prior written permission of Spark New Zealand. This document is the property of Spark New Zealand and may not be disclosed to a third party, other than to any wholly owned subsidiary of Spark New Zealand or copied without consent.
4. Spark New Zealand reserves the right to suspend or revoke any PTC approval and/or take any necessary actions to deny or prevent access to the Spark New Zealand network or network services, as defined under S.106, Telecommunications Act 2001.

<b>Spark PTC Number</b>	PTC 257/22/001
<b>Approved Date</b>	31 January 2022
<b>Approver</b>	 <p>Mahendra Sadaye Chapter Lead, Device Technology &amp; Certification Value Management CoE Spark New Zealand</p>