



Date: 14 June 2023

Class II permissive change request letter

Manufacturer: Nordic Semiconductor ASA
Model: nRF9160
FCC ID: 2ANPO00NRF9160

We, **Nordic Semiconductor ASA**, hereby states that our module under C2PC evaluation, nRF9160, has been tested to add Cat M1 and NB-IoT B8 for FCC certification. The strategy followed to perform this testing was finding the channels outermost of the band, which complies with the block edge testing; accordingly, we can demonstrate the lowest and highest channels for NB-IoT are:

	Channel Number (Frequency MHz)
Lowest	21628 (897.8)
Middle	21645 (899.5)
Highest	21652 (900.2)

In this case, the offset that has proved that the module is in compliance with the requirement above is ± 300 kHz, instead of ± 100 kHz as expected by NB-IoT technology. Therefore, this reason has led to perform the test with the channel allocated at the expected band edge.

The operating frequency band for this module is defined from 897.8 to 900.2 MHz, and this restriction will be applied by enabling only the above specified bandwidth via firmware setting, without hardware modifications

Yours sincerely,

A handwritten signature in blue ink, reading 'Ketil Aas-Johansen', with a horizontal line underneath.

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