

FCC Regulatory Information

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

No changes shall be made to the equipment without the manufacturer's permission as this may void the user's authority to operate the equipment.

To comply with FCC requirements, the eNodeB has been approved for use with antennas that have a maximum gain of 20dBi. Please refer to the FCC Grant of Certification for RF Exposure exclusion distances.

The FCC Grant of Certification can be found using the FCC ID Search feature and entering the FCC ID marked on the eNodeB. <http://transition.fcc.gov/oet/ea/fccid/>

RF Exposure

Antenna installations for the General Dynamics Broadband RN2420 LTE eNode B shall be performed in accordance with the manufacturer's recommendations and all national laws and regulations. To ensure correct antenna installation, the installer shall evaluate compliance with applicable national laws and regulations regarding exposure to electromagnetic fields and define the required exclusion zones for RF workers and the General Public.

Any changes to the antenna installation or radio transmission equipment require a re-evaluation of the exposures to electromagnetic fields.

Pursuant to 47 CFR Part 1, Subpart 1, subject to the provisions of section 1.1307, all installations must be evaluated for requirements contained in Table 1, "Limits for maximum permissible exposure," in section 1.1310.

Band 12

The Band 12 RN2420 eNode B has been assessed for compliance with FCC requirements for antennas with gains upto 20dBi, the minimum exclusion distance required to meet the Un-Controlled/General Public limit of $0.486\text{mW}/\text{cm}^2$ is 7.21m.