

2GHz Band ODU Regulatory Information

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 ODU has been approved for use with antennas that have a maximum gain of 24dBi. 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 equipment into the webpage at <https://www.fcc.gov/general/fcc-id-search-page>.

RF Exposure

Antenna installations for the General Dynamics Broadband ODU shall be performed in accordance with the manufacturer's recommendations and all national laws and regulations.

The High Power ODU and antenna system when used for vehicle installations, shall only be installed where the vehicle is fitted with a telescopic mast. To ensure compliance with RF Exposure rules, the mast shall be extended to achieve the required RF exposure separation distance before being operated to ensure compliance with applicable national laws and regulations regarding exposure to electromagnetic fields.

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.

2GHz Band

The 2GHz Band Outdoor Unit has been assessed for compliance with FCC requirements for antennas with gains up to 24dBi, the minimum exclusion distance required to meet the Un-Controlled/General Public limit of 1.0mW/cm² is stated in the table below.

The separation distances stated in table 1-1 are valid for antennas fitted directly to vehicles where the vehicle structure defines the separation distance.

Antenna Gain	6	12	15	18	21	24	dBi
Separation Distance	0.44	0.87	1.23	1.74	2.46	3.47	metres
– Direct Vehicle installation	18.0	35.0	49.0	69.0	97.0	137.0	inches

Table 1-1

The separation distances stated in table 1-2 are valid for antennas fitted to vehicle mounted telescopic masts and are relative to ground level. The antenna should be raised above this height before use.

Antenna Gain	6	12	15	18	21	24	dBi
Separation Distance	2.44	2.87	3.23	3.74	4.46	5.47	metres
– Telescopic Mast Mount	96.0	113.0	127.0	147.0	175.0	215.0	inches

Table 2-2