



- All VectaStar NR equipment should be installed within a lightning protection zone.
- Units have anti-tamper seals fitted. Breaking such seals will invalidate any existing product warranty.
- With connections to centralized DC power, install only in dedicated equipment rooms or the equivalent.
- An AP weighs up to 22kg (including the rear bracket). Be prepared for this when installing. The installation will be easier if performed by two people.
- The AP Pole Mounting Brackets are designed to support pole sizes between 1.5" (35mm) and 3" (80mm).
- All connections at the AP are rated to IP67. As an additional safeguard against water ingress over time, CBNG recommends the use of self-amalgamating tape in line with local practice, on all external cable connectors and joiners. Suitable tape is available from most suppliers of installation components.
- Where extreme climatic conditions are found, CBNG recommends the use of a flexible cable protection conduit for the external cabling to the AP.
- Be sure that you are aware of any local building regulations and standards and adhere to those that are relevant.

3.9.3 RF safety notices

Warnings



- NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.
- Locally applicable national and international RF safety requirements must be adhered to when installing the Access Point. Please refer to CBNG Customer Support and local regulatory authorities for advice on compliance.

As guidance, for a VectaStar NR Access Point:

The AP should be installed in a location such that it is not possible for workers or members of the public, in the normal course of their work or everyday activities,



to gain access closer in front of the unit than the specified distances in the table below. The maximum EIRP is also given.

MPE Distance

Product	MPE Distance
Access Point @ 62dBm	3.49m

Areas where the AP are installed should have warning notices suitably displayed on all approaches to the equipment and again at 3.49m from the AP. Access to the AP should be restricted from the general population and any uncontrolled exposure and all ingress sites should be appropriately signed. Typical warning sign examples are as below:



Figure 15: Example RF Safety Notices

3.9.4 Laser safety notices

VectaStar NR products have the facility for an interface to contain a Class 1 laser transceiver to enable Fibre Optic data transmission up to 10 km.



- **WARNING:** VectaStar NR products must only be used with Class 1 small form-factor pluggable laser transceivers which comply with IEC/EN 60825-1: 2014, IEC/EN 60825-2: 2021.



- **WARNING:** Class 1 Laser devices are not considered to be hazardous when used for their intended purpose. Do not look at the laser beam projection area (e.g. end of optical connector) with naked eyes or through optical equipment while the power is supplied to this product. Otherwise, your eyes may be injured.



- **WARNING:** Only trained and qualified personnel who are familiar with the safety aspects of laser radiation should be allowed to install, service or maintain this equipment.