

Title

Ben Colley
Technical Program Manager

Date

15 April 2026

Reference

Intellian C700 GMDSS FCC application

To whom it may concern,

The Intellian C700 GMDSS system comprises three core units:

- Above Deck Unit (ADU)
- Below Deck Unit (BDU)
- Safety Display Terminal (SDT)

The ADU contains a transmitter that comprises the satellite transceiver and antenna. This device falls under Part 25 of the FCC rules. The BDU contains a Wifi module that falls under Part 15 of the FCC rules. The SDT does not contain any RF transmitters.

For operation of the system and per the GMDSS installation requirements, the ADU must be installed high on a vessel with a clear view of the sky in all directions. Typically this will be on top of the vessel communications mast. The ADU is designed to be weatherproof and resistant to environmental effects.

The BDU provides, amongst other functionality, the control and monitoring functions for the core satellite communication functions. This unit is not weatherproof and is designed for indoor installations only. Typically this will be in the vessel server/communications room.

The SDT is a touch-screen display device that provides the end-user GMDSS functionality. This must be installed indoors, typically in the navigation area within the bridge of the vessel.

Due to the difference in function and installation requirements, there must always be significant distance and structure between the ADU and BDU transmitter sources. In addition, the transmitters within the ADU and BDU operate in different bands and will not combine in such a way as for the combined transmission to result in a change in performance to the individually tested units.

Yours sincerely



Ben Colley