



REGULATORY TESTING FROM START TO CERTIFICATE

Intro

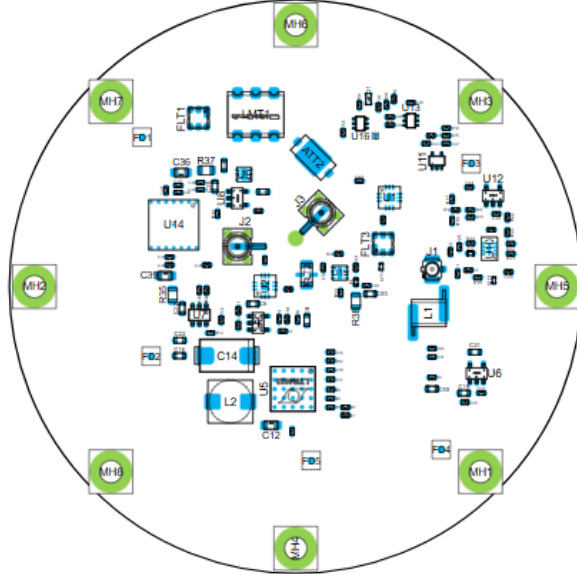
Antenna gain documentation required for all FCC Part 15 devices. Must provide either an antenna datasheet/ specification or a test report with gain measurements and plots. This Information cannot be held confidential. Additionally, proprietary information of the design itself can remain confidential in either the ' operational description' or 'schematic'.

Flipper Module Antenna Specifications

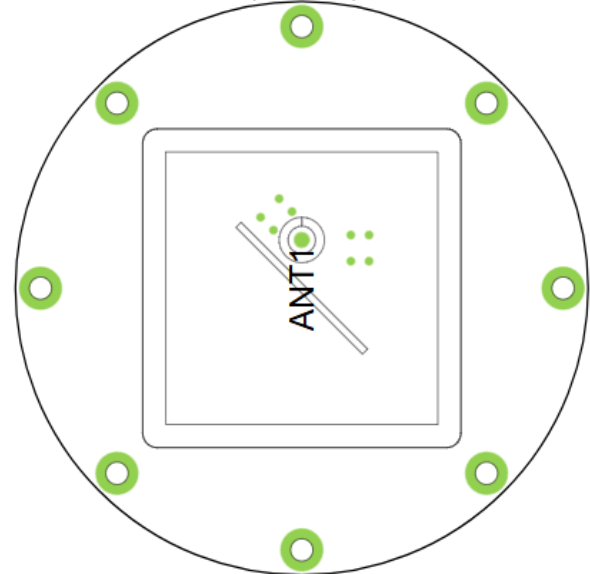
1. **Company:** Commcrete Ltd
2. **Product name:** Flipper Module Antenna
VTS-300 Antenna (Surface Mounted)
3. **RF module/chip:** Tx & Rx chains (filters, amplifiers, attenuators)
4. **Antenna layout**

PCB:

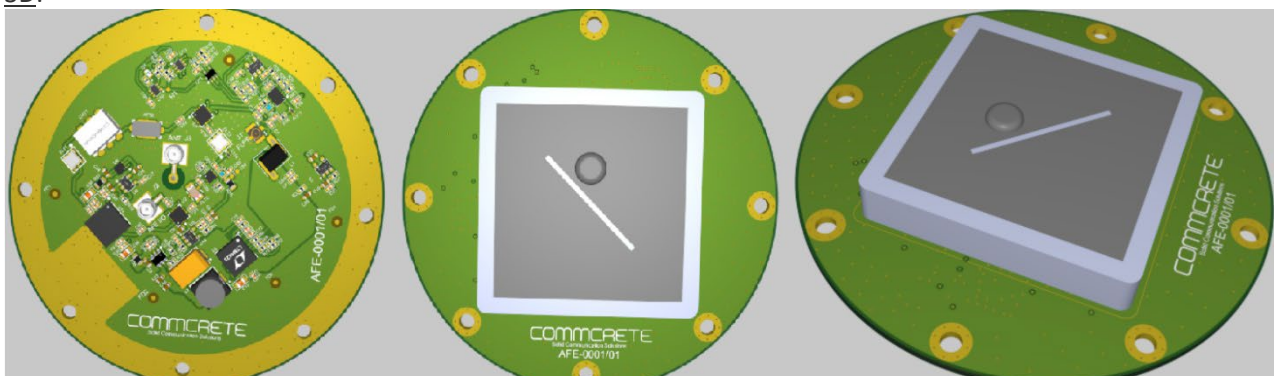
View from Top side (Scale 2:1)



View from Bottom side (Scale 2:1)

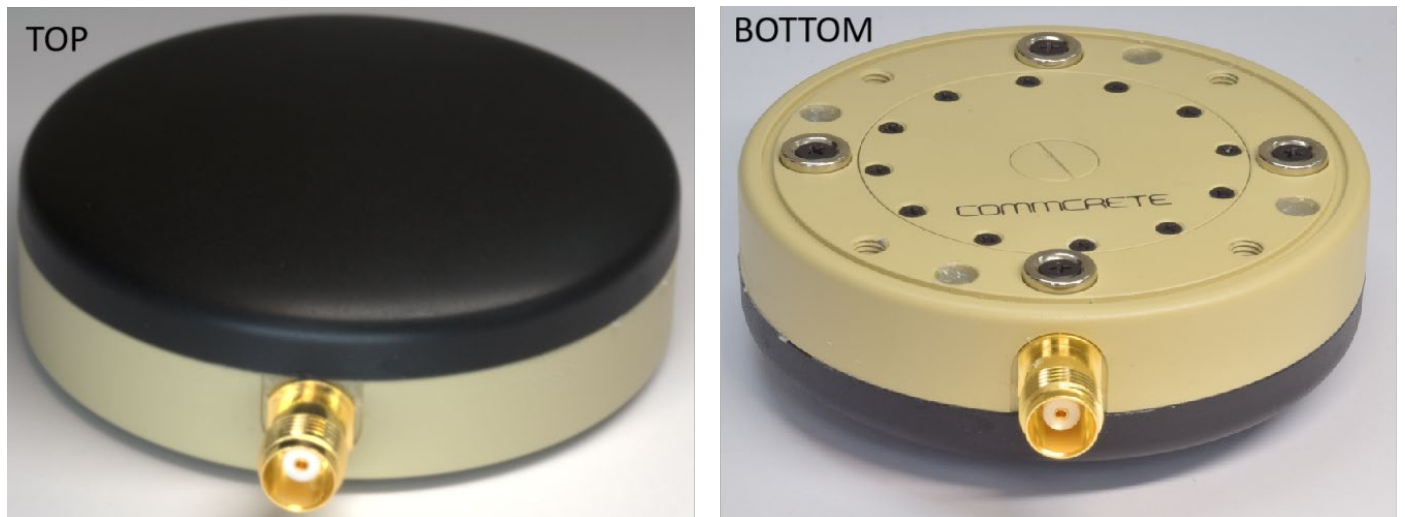


3D:



6. Antenna photos

Active Antenna



Omnidirectional single patch antenna for Inmarsat Satellite Applications.
The PCB is a full RF front-end and ground plane for the antenna. The RF connector is TNC.
The antenna is finally covered with a thin skin of Polycarbonate radome for protection.

7. RF Auxiliaries

The antenna is mechanically mounted on large surface by magnets or screws. A 5 meter RF cable connects it to the Flipper VTS-300 frequency converter.

