



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'.

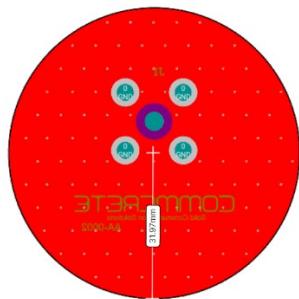
Flipper Handheld Antenna Specifications

1. Company: Commcrete Ltd
2. Product name: Flipper Handheld Antenna
HTS-110 (Pole Mounted) / HTS-111 (Gooseneck Mounted)
3. RF module/chip: N/A (Passive Antenna)
4. Antenna description

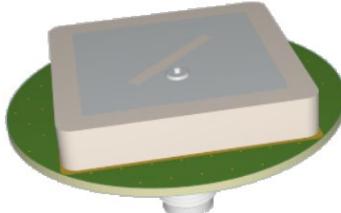
Antenna type	Omni Directional Single Patch
Antenna manufacturer	PN: PA45-1592-175SA Manufacturer: API – Spectrum Control Antennas
Antenna datasheet	Attached
Frequency range	Tx: 1626.5-1660.5 MHz Rx: 1525-1559 MHz
Modulation	N/A
Antenna gain max (peak)	0dBi max -0.5dBi average
Cable loss	0.5dB
Connector type	TNC

5. Antenna layout

PCB:



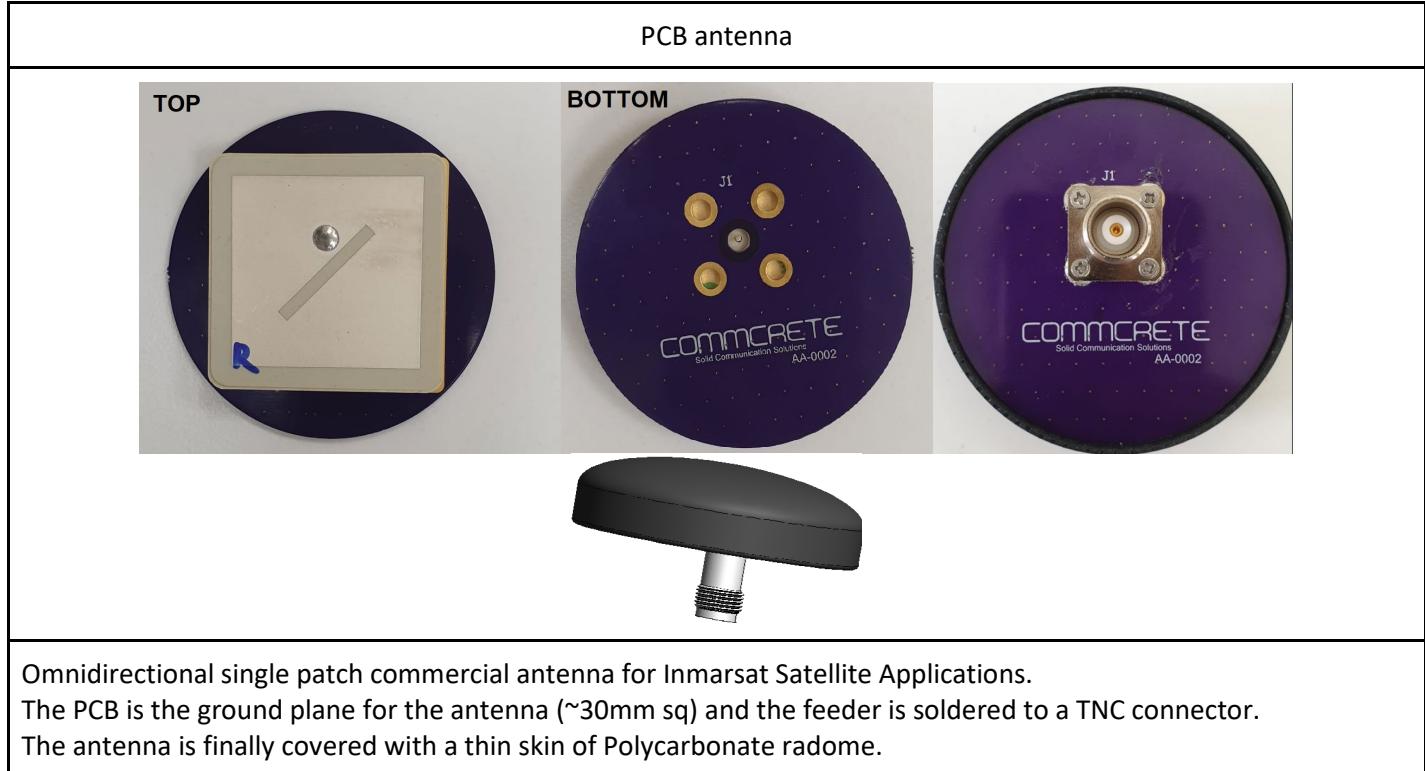
3D:



6. Antenna radiation pattern

Please refer to [appendix A >>](#)

7. Antenna photos



8. RF Auxiliaries

The antenna is mechanically mounted on the side pole of the Flipper and connected to it with a short coaxial cable.



Appendix A - Radiation Pattern

