

All antennas listed as directional are the same experimental antenna to be used in different locations. The height above ground is listed as 5182 m (~17,000 ft) because this antenna will be in a pod mounted to an aircraft with an expected altitude of 17,000 ft AGL.

The table below lists the half-power beam width for this antenna.

Frequency (MHz)	HPBW (degrees)
400 MHz	100
500 MHz	88
1000 MHz	50

Since the antenna will be in a pod mounted on an aircraft, the orientation of the antenna with respect to true north and the horizon will change. However with respect to the aircraft, the antenna will be 90 degrees from the nose (pointing starboard) and 14 degrees below the aircraft's horizon.

All other antennas are the antennas used on the COTS equipment identified in this application and will be "hand-held."