

Directional Antenna Exhibit FCC application 1397-EX-ST-2020:

Ground station is a temporary ground based mobile platform in place for the duration of the balloon flight only and will be used for command/control communications with the balloon and to downlink high-rate payload data from the balloon. Balloons may also relay data to other balloons in a mesh network, but at a much lower EIRP.

Antenna Characteristics	Configuration
Description	Dual 2-channel dish
Half-Power beam width	10°
Horizontal Orientation	Variable, direction of flight
Vertical Orientation	Variable, typ. 10 - 50°
Gain	24 dBi