EXHIBIT B - TECHNICAL INFORMATION

Applicant Name: Loon LLC
Applicant FRN: 0026885012

Technical Contact Details

Name of Contact:	Robert Schlaefli
Contact Details:	Technical Program Manager 1600 Amphitheatre Parkway Mountain View, CA 94043 Phone: 408-621-9782
Should any interference be reported, the proposed operator will cease transmissions immediately unless and until the interference incident has been resolved. The technical point of contact above has "kill switch" capability for all devices involved in the proposed conventional experimental license application ("License Application").	

Legal Contact Details

Name of Contact:	Julie Kearney
Contact Details:	Head of Regulatory Affairs 1600 Amphitheatre Parkway Mountain View, CA 94043 Phone: 650-253-3417 Email: juliekearney@loon.com

[redacted]

Station 1 – Fajardo Gateway Terminal

Radius of Operation	Stationary ground station
Geographic Centerpoint (Lat / Long. NAD 83)	18° 14' 45" N
	65° 38' 15" W
Elevation (Meters)	23 (@ centerpoint coordinates)

Station 1 / Transmitter 1

Device Manufacturer & Model:	MK 3 GS Gateway Loon proprietary antenna
Number of Transmitters:	Not to exceed 10 units

Tx Frequency Range / Tolerance	**High (MHz)**	**Low (MHz)**
	81000.0000	86000.0000

Frequency Range / Tolerance	**Modulation**	**Emission Designator**	**Bandwidth (MHz)**	**Power Out (Watts)**	**ERP (Watts)**
	Digital	D1D	Maximum 750.0	0.631 W	76.769 kW

Antenna Details	
Type	Loon proprietary 91.14 cm parabolic dish.
Quantity	Not to exceed 10
Gain	53 dBi (@midband)
Beam Width at Half-Power Point	0.37°
Orientation in Horizontal Plane	NA
Orientation in Vertical Plane	NA

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Station 2 – HAPS Gimbal Terminal

Radius of Operation	200 km
Geographic Centerpoint (Lat / Long. NAD 83)	18° 14' 45" N
	65° 38' 15" W
Elevation (Meters)	Not applicable / Maximum altitude of HAPS 75,500 AGL

Station 2 / Transmitter 1

Device Manufacturer & Model:	HAPS Gimbal Terminal Loon proprietary gimbal mounted antenna
Number of Transmitters:	Not to exceed 30 units

Tx Frequency Range / Tolerance	**High (MHz)**	**Low (MHz)**
	71000.0000	76000.0000

Frequency Range / Tolerance	**Modulation**	**Emission Designator**	**Bandwidth (MHz)**	**Power Out (Watts)**	**ERP (Watts)**
	Digital	D1D	Maximum 750.0	0.631 W	76.769 kW

Antenna Details	
Type	Loon proprietary 91.14 cm parabolic dish; gimbal mounted for automatic adjustment of azimuth and elevation
Quantity	Not to exceed 30
Gain	53 dBi (@midband)
Beam Width at Half-Power Point	0.37°
Orientation in Horizontal Plane	NA
Orientation in Vertical Plane	NA

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Station 3 – Mk IV Shipborne Terminal

Radius of Operation	200 km
Geographic Centerpoint (Lat / Long. NAD 83)	18° 14' 45" N
	65° 38' 15" W
Elevation (Meters)	Not applicable / Shipborne antenna

Station 3 / Transmitter 1

Device Manufacturer & Model:	Mark IV shipborne terminal Loon proprietary gimbal mounted antenna
Number of Transmitters:	Not to exceed 20 units

Tx Frequency Range / Tolerance	**High (MHz)**	**Low (MHz)**
	81000.0000	86000.0000

Frequency Range / Tolerance	**Modulation**	**Emission Designator**	**Bandwidth (MHz)**	**Power Out (Watts)**	**ERP (Watts)**
	Digital	D1D	Maximum 750.0	0.631 W	76.769 kW

Antenna Details	
Type	Loon proprietary 91.14 cm parabolic dish.
Quantity	Not to exceed 20
Gain	53 dBi (@midband)
Beam Width at Half-Power Point	0.37°
Orientation in Horizontal Plane	NA
Orientation in Vertical Plane	NA

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