

Description of RBC Signals Fairbanks Ground Station

Supporting Cubesat Radix, FCC 0044-EX-ST-2017

The ground station is located in Fairbanks, North Star Borough, Alaska.

Latitude 64 N 51 31 Longitude 147 W 50 7.

It is owned and operated by RBC Signals LLC. A license application to support Radix is pending, it is SES-STA-INTR2018-00591.

It has the following physical characteristics:

Input Power at Antenna Flange	12.53 Watts
Connector Cable Loss	Less than 4 dBi
Antenna	M2 Antenna Systems, Yagi Model 400CP30A
Antenna Gain	16.2 dBi
EIRP	27.2 dBW
Antenna Beam Width	30 degrees
Minimum Elevation	5 degrees
Polarization	RH Circular