

SpaceCap Exhibits

Antenna Radiation Diagrams

BRIO Satellite

ID #: 118540002

March 7, 2018

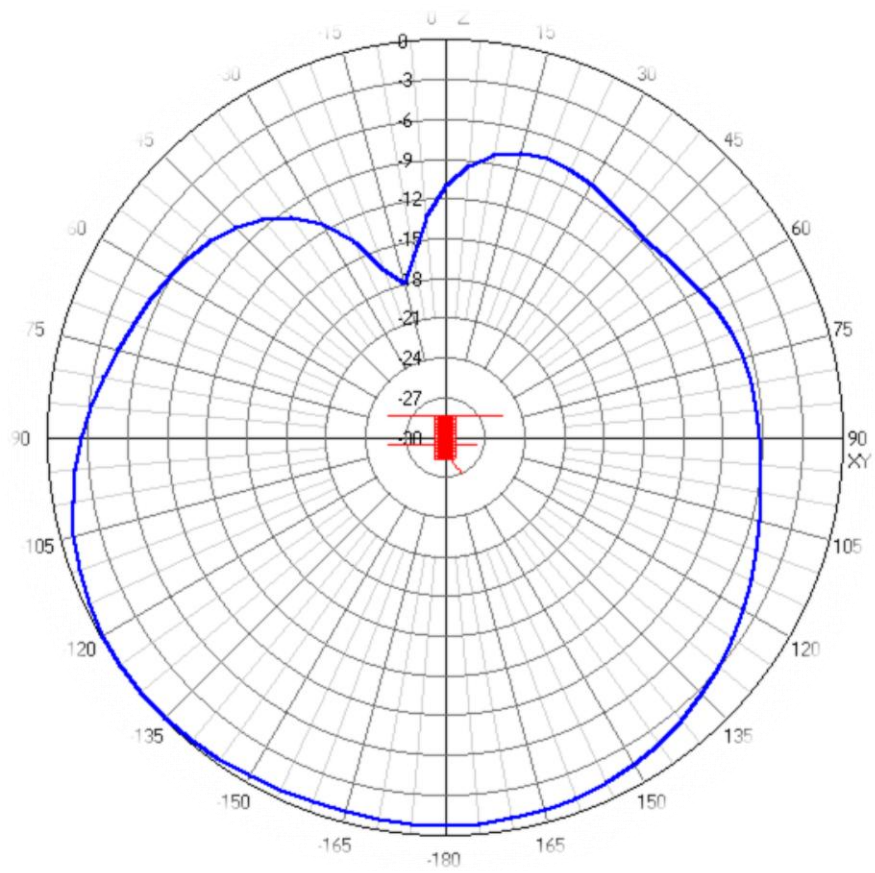
May 9, 2018 (Rev A)

SpaceQuest, Ltd.

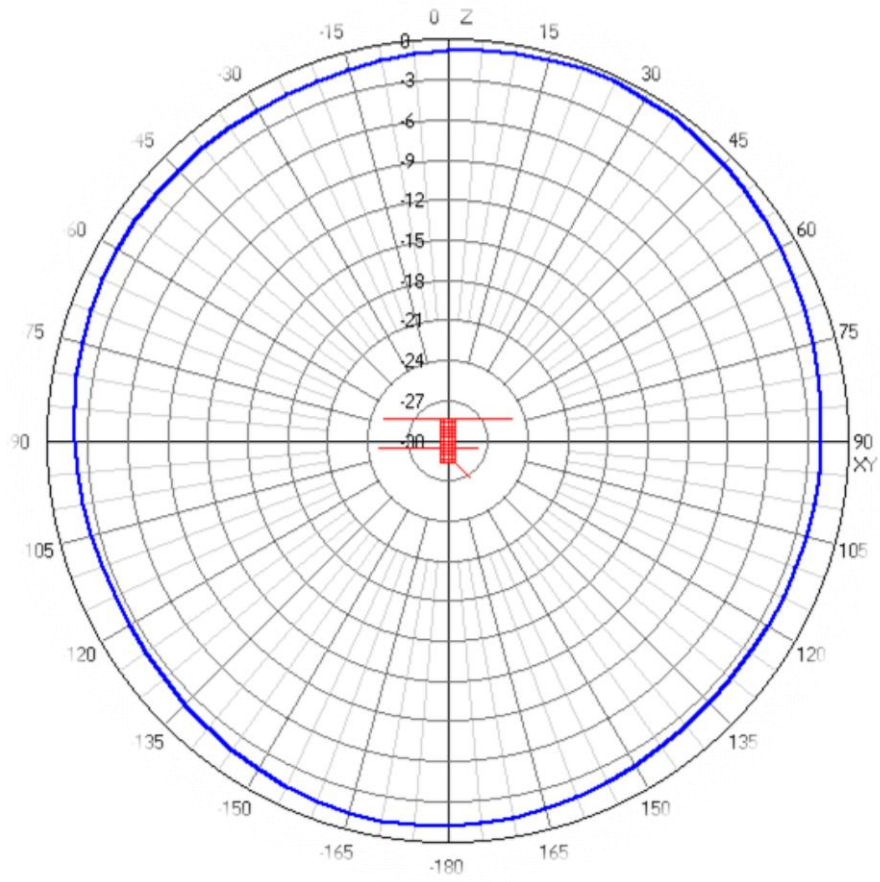
3554 Chain Bridge Rd

Suite 400

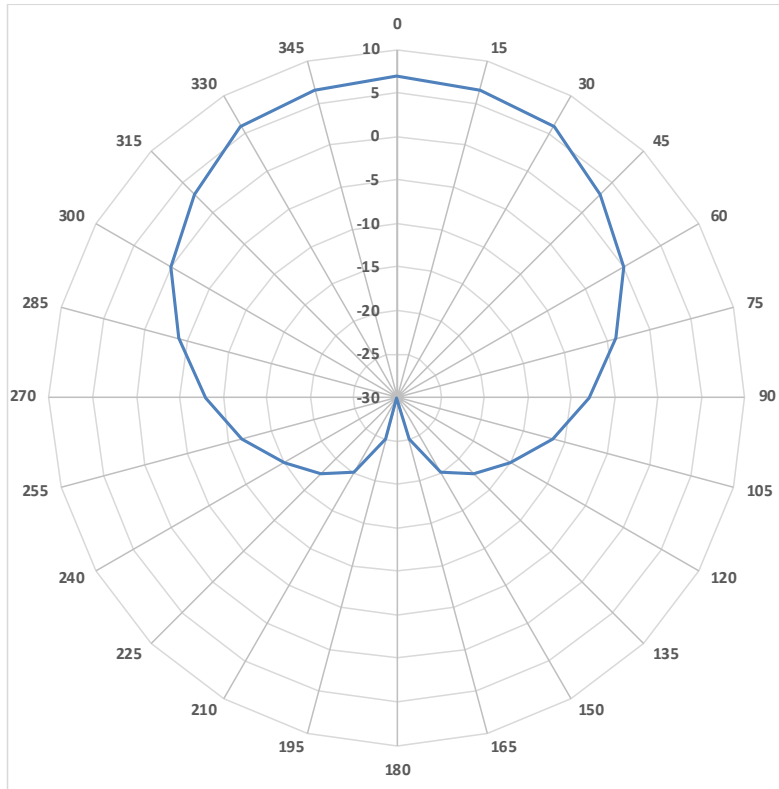
Fairfax, VA 22030



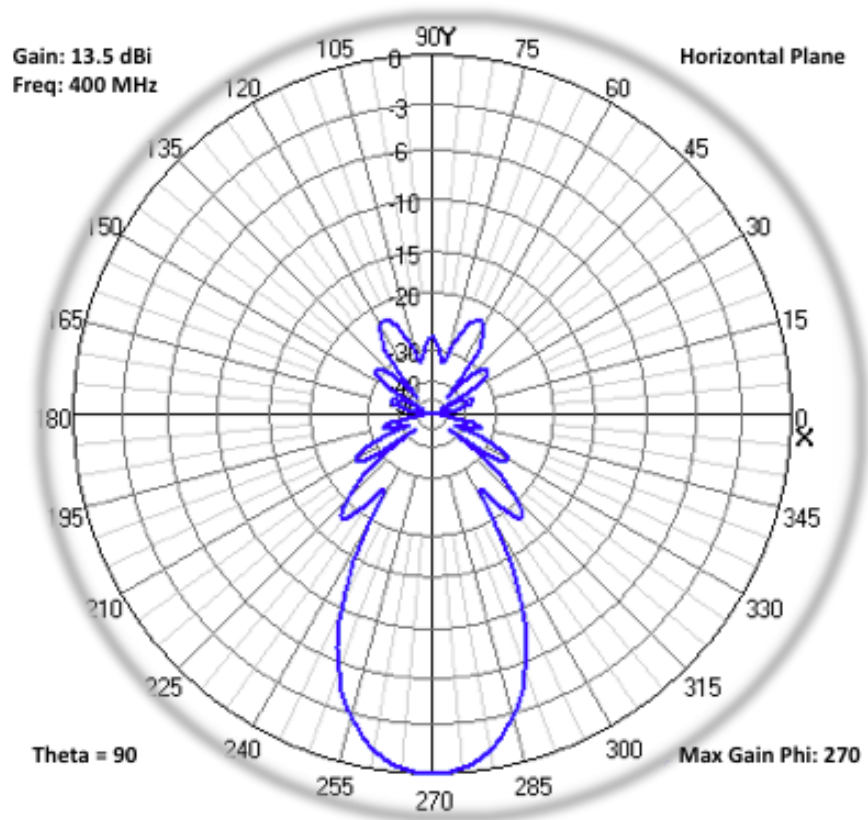
UTX/URX - UHF Satellite Transmit/Receive Radiation Pattern.



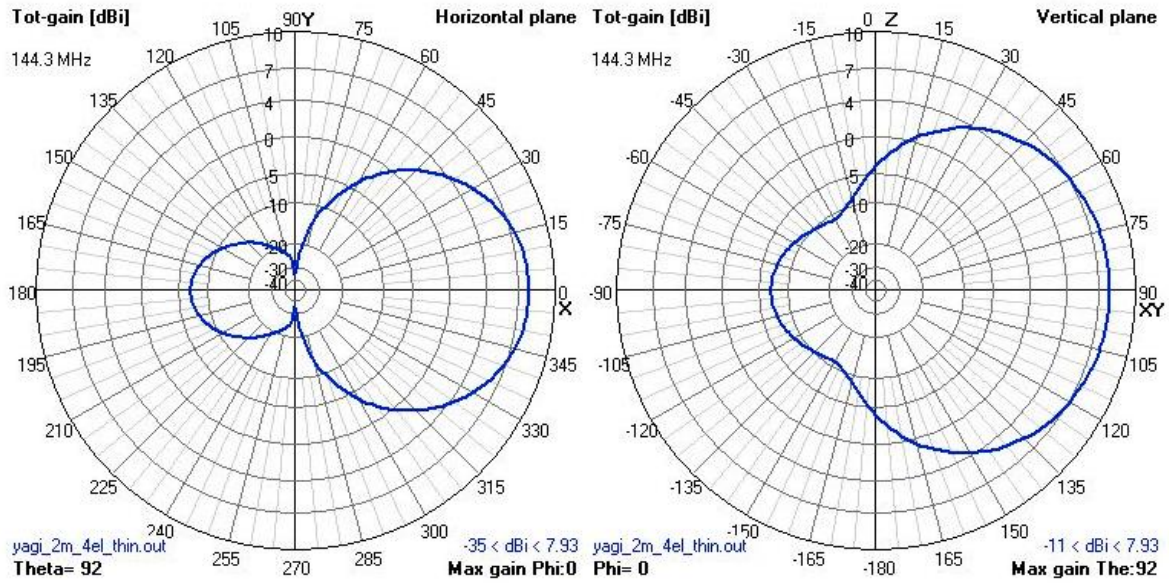
VRX - VHF Satellite Receive Antenna Radiation Pattern



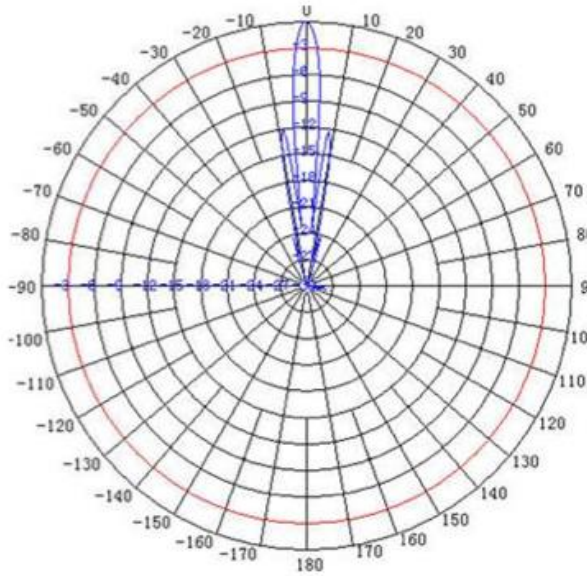
SBTX/SBRX - S-Band Satellite Transmit/Receive Radiation Pattern



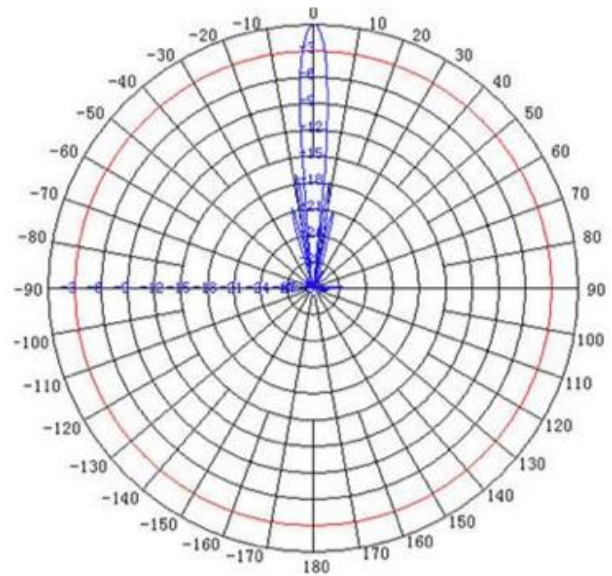
UTX/URX - UHF Earth Station Antenna Radiation Pattern.



VRX - VHF Earth Station Antenna Radiation Pattern.

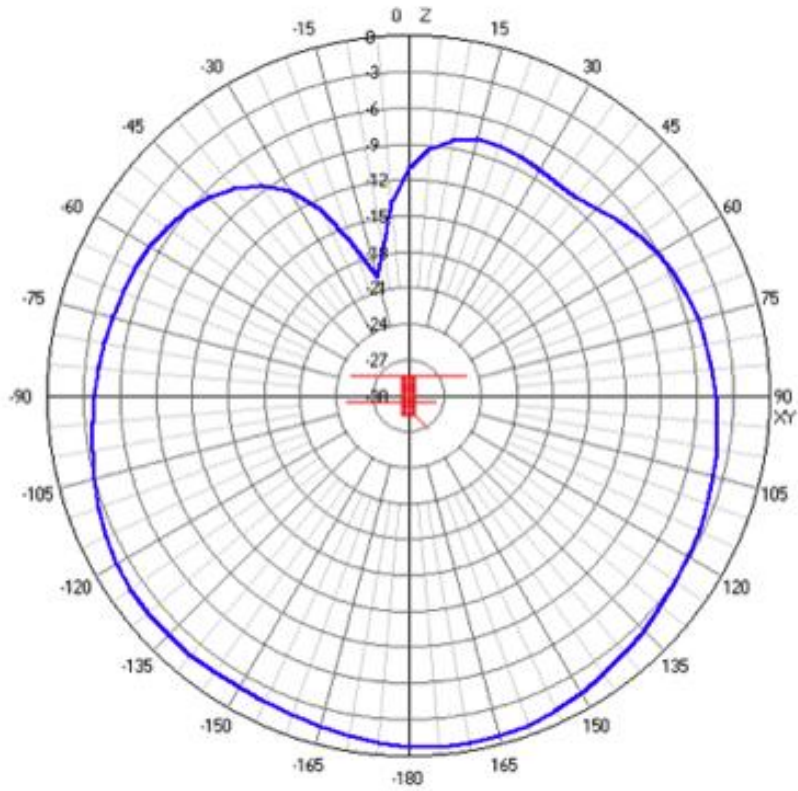


Vertical Pattern

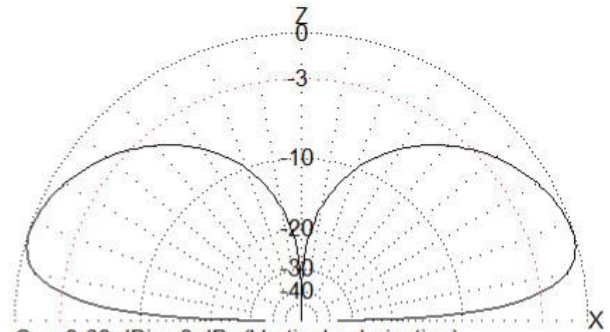
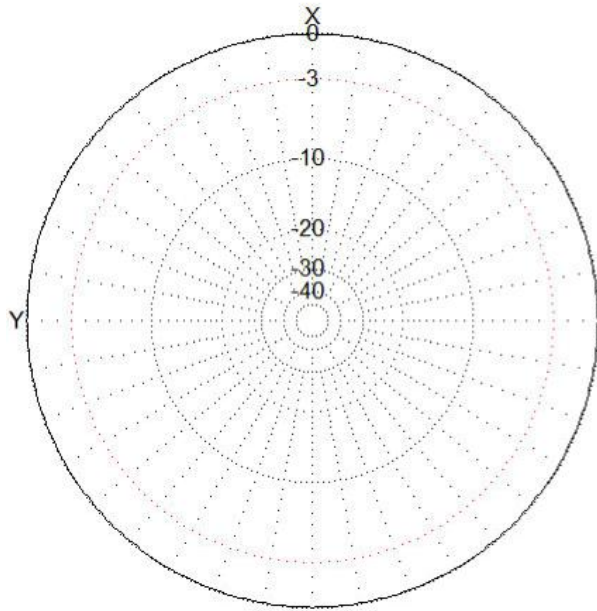


Horizontal Pattern

SBRX/SBTX - S-Band Earth Station Antenna Radiation Pattern.



EXTX/EXRX – UHF Satellite Transmit/Receive Radiation Pattern.



Ga : 3.68 dBi = 0 dB (Vertical polarization)
 F/B: 0.00 dB; Rear: Azim. 120 deg, Elev. 60 deg
 Freq: 400.00 MHz
 Z: 42.463 + j18.730 Ohm
 SWR: 1.5 (50.0 Ohm),
 Elev: 18.0 deg (Real GND :0.00 m height)

EXTX/EXRX – UHF Experimental Earth Station Antenna Radiation Pattern.