

**REVISED**

**Special Temporary Authority Application**  
Summary of X-Band Earth Station Technical Information  
For Coordination with NTIA

Date (from IB to OET):

Applicant: Space Imaging LLC

File No.: SES-STA-2004 XXXXXX

Call Sign: E970270

Purpose of STA: For authority to receive remotely-sensed data from India's ResourceSat-1 satellite at Space Imaging's Fairbanks, AK earth station

STA term: June 22, 2004, until grant of pending FCC Form 312 application for permanent authority

Site Location: 1625 Richardson Highway  
Fairbanks, AK 99712

Latitude: 64° 47' 40.0" N  
Longitude: 147° 32' 13.0" W

Receive frequency: 8072.5 - 8177.5 MHz, 8247.5 - 8352.5 MHz

Polarization: Right-Hand Circular

Antenna Size: 9.1 m  
Gain: Rx: 55.9 dBi @ 8125 MHz, 56.1 dBi @ 8300 MHz

Maximum antenna height: 12.8 m (above ground level)  
122.3 m (above mean sea level)

<u>Frequency Band</u>	<u>Emissions</u>	<u>Maximum E.I.R.P.</u>	<u>Maximum E.I.R.P. Density</u>
8072.5 - 8177.5 MHz	105MG7D	Receive Only	
8247.5 - 8352.5 MHz	105MG7D	Receive Only	

Satellite: ResourceSat-1  
Satellite (W. Long.): Non-GSO  
Elevation Angle (E/W): 5 degree minimum elevation  
Azimuth (E/W): 0 - 360 degrees

Point of contact:

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