

SPECIAL TEMPORARY AUTHORITY APPLICATION

Earth Station Technical Information
For Coordination with NTIA

Date to OET: 12/11/02

Applicant: DCI II, Inc.

File Nos. SES-STA-20021107-01956

Call Sign: E890197

Purpose of STA: To communicate with the Eutelsat Atlantic Bird 2 satellite @ 8 WL

STA Term: 30 days from authorization

Site Location: 2000 M Street, N.W., Washington, D.C.

Latitude: 38° 54' 19.30" N
Longitude: 77° 2' 42.60" W

Transmit
Frequencies: 13750-14000 MHz

Polarization: Linear (V & H)

Antenna Size: 5 m
Gain: 55.0 dBi at 14.25 GHz
53.6 dBi at 11.45 GHz

Maximum Antenna
Height: 29.9 m (above ground level)
48.2 m (above sea level)

<u>Frequency Band</u>	<u>Emissions</u>	<u>Maximum E.I.R.P.</u>	<u>Maximum E.I.R.P. Density</u>
13750-14000 MHz	2M00F8F	68.0 dBW	41.0 dBW/4kHz
	2M00G7D	68.0 dBW	41.0 dBW/4kHz
	2M00G7F	68.0 dBW	41.0 dBW/4kHz
	230KF8W	68.0 dBW	55.9 dBW/4kHz
	36M0F8F	68.0 dBW	41.0 dBW/4kHz
	50K0F8W	68.0 dBW	57.0 dBW/4kHz

Satellite: EUTELSAT Atlantic Bird 2

Orbital Location: 8 degrees WL
Elevation Angle (E/W): 6.8 degrees
Azimuth (E/W): 102.8 degrees

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