

Special Temporary Authority Application
 Summary of Extended C-band Earth Station Technical Information
 For Coordination with NTIA

Date send to OET: 9/22/2003

Applicant: Intelsat LLC

File No.: SES-STA-20030915-01254

Call Sign: E000296

Purpose of STA: to provide TT&C LEOP (Launch and Early Orbit phase) in support of the upcoming launch of the Apstar-5 satellite

STA term: 60 days from November 21, 2003

Site Location: COMSAT Clarksburg Facility
 22300 COMSAT Drive
 Clarksburg, MD 20871 (Montgomery County)

Latitude: 39 °13' 3.3" N.
 Longitude: 077 ° 16' 13.9" W.

Transmit frequency: 5850-6425 MHz
 Receive frequency: 3625-4200 MHz

Polarization: Circular

Antenna Size: 19 m
 Gain: Tx: 53.5 dBi @ 6.0 GHz
 Rx: 50.1 dBi @ 4.0 GHz

Maximum antenna height: 20.1 m (above ground level)
 161 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>
3625-4200 MHz	800KFXD		
5850-6425 MHz	800KFXD	80.0	57.0
Satellite:		Apstar-5	
Satellite (W. Long.):		Various (LEOP requirement)	
Elevation Angle (E/W):		5.0 degrees (minimum)	
Azimuth (E/W):		0.0/360 degrees	

*** EMC analysis and Certification letter submitted 2/19/02