

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

Date send to OET: 9/30/2003

Applicant: Intelsat LLC

File No.: SES-STA-20030926-01332

Call Sign: KA-275

Purpose of STA: to provide TT&C LEOP (Launch and Early Orbit phase) in support of the upcoming launch of the SatMex-6 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' 7" N.
Longitude: 077 ° 16' 12" W.

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

Polarization: Circular

Antenna Size: 19.2 m
Gain: Tx: 59.1 dBi @ 6.0 GHz
Rx: 55.6 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 | 93.0 | 70.0 |
| Satellite: | SatMex-6 | | |
| 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