

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

Date send to OET: 6/29/05

Applicant: Loral Skynet Network Services, Inc. (Debtor-in-Possession)

File No.: SES-STA-20050628-00835  
 Call Sign: E980250

Purpose of STA: The conventional C-band capacity of the Telstar 18 satellite is full, and there exists an immediate need to provide telecommunication services using extended C-band frequencies 5850-5925 MHz Transmit (V, H).

STA term: STA request extension for an additional of 60 days from the date of grant.

Site Location: Kapolei, HI

Latitude: 21 ° 20' 12.6" N.  
 Longitude: 158° 5' 21.1" W.

Transmit frequency: 5850-5925 MHz

Polarization: Horizontal/Vertical

Antenna Size: 13.0 m  
 Gain: 56.3 dBi @ 6.000 GHz

Maximum antenna height: 15.1 m (above ground level)  
 54.7 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>
5850-5925 MHz	36M0F9W	82.8 dBW	55.8 dBW/4 kHz
5850-5925 MHz	360KG7W	60.0 dBW	40.5 dBW/4 kHz
5850-5925 MHz	36M0G7W	80.0 dBW	40.5 dBW/4 kHz

Satellite: Telstar-18/Apstar  
 Location: 138 degrees E.L.

Satellite Range 214.0/232.0  
 Elevation Angle (E/W): 23.5/6/3  
 Azimuth (E/W): 256.2/264.0

