

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

Date send to OET: 11/12/2003

Applicant: New Skies Networks, Inc.

File No.: SES-STA-20031028-01510

Call Sign: E000696

Purpose of STA: STA request a waiver to add certain extended C-band receive frequencies to receive communication from the NSS-806 satellite in the 3465-3625 MHz band on an unprotected, non-harmful interference basis only.

STA term: 60 days from November 3, 2003 or until the modification application is granted.

Site Location: 8000 Gainsford CT  
Bristow, VA 20136

Latitude: 38 °47' 2.4" N.

Longitude: 077 ° 34' 21.9" W.

Receive frequency: 3465-3625 MHz

Polarization: Linear and Circular  
Left and Right Circular

Antenna Size: 9 m

Gain: 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>
3465-3625 MHz	36M0F3F		
3465-3625 MHz	15K2G7W		
3465-3625 MHz	72M0G7W		
3465-3625 MHz	45K0G1W		
3465-3625 MHz	6M87G7D		
3465-3625 MHz	25M0G7W		
3465-3625 MHz	41M9G7W		
3465-3625 MHz	36M0F8W		
3465-3625 MHz	20M0G7W		
Satellite:		NSS 806 @ 319 degrees E.L.	

\*\*\* EMC analysis and Certification letter submitted 10/28/03

