

**Globalstar USA, LLC  
Summary of Extended C-band Frequencies Information  
For Coordination with NTIA**

**June 24, 2005**

**Applicant:** Globalstar USA, LLC  
**Location:** 461 S. Milpitas Blvd.  
Milpitas, CA 95035  
**File No.:** SES-STA-20050620-00786  
**Call Sign:** E050099

**Purpose:** Globalstar USA, LLC ('Globalstar') is applying for Special Temporary Authority for a period of 180 days from June 18, 2005 until December 14, 2005, to operate four earth station antennas from its proposed gateway location in Sebring, Florida, to communicate with the Globalstar LLC Mobile Satellite Service ('MSS') satellite constellation. The earth station antennas are necessary for Globalstar's meet increased customer demand that cannot adequately be met using the earth stations at Globalstar's existing U.S. gateways, which are already operating at full capacity and which are at too great a distance from the areas of increased customer demand to provide reliable service.

**Latitude** 27 27 34.6 N  
**Longitude** 81 21 28.4 W  
**Transmit frequency** 5091-5250 MHz  
**Receive frequency** 6875-7055 MHz  
**Polarization** RHCP & LHCP  
**Antenna Size:** 5.5m  
**Gain:** Tx: 47.6 dBi at 5.150 GHz  
RX: 50.2 dBi at 6.975 GHz

<u>Emissions</u>	<u>Maximum E.I.R.P.</u>	<u>Maximum E.I.R.P. Density</u>	<u>Frequency</u>	<u>Modulations</u>
1M23XXX	59	34.1	5096-5250 (MHz)	White noise for testing
1M23XXX			6900-7055 (MHz)	White noise for testing
NON	59	59.0	5096-5250 (MHz)	Unmodulated CW testing
NON			6900-7055 (MHz)	Unmodulated CW testing
1M23G7W	55	30.1	5096-5250 (MHz)	CDMA/voice, data
1M23G7W			6900-7055 (MHz)	CDMA/voice, data
1M23G2W	55	30.1	5096-5250 (MHz)	CDMA/single-car. AMSS
1M23G7W			6900-7055 (MHz)	CDMA/single-car. AMSS
2M50G2D car. Telemetry			6900-7055 (MHz)	CDMA/single-

**Satellite:** S2115 (U.S.-licensed Globalstar Big LEO MSS system)  
**Orbital Location:** NGSO (1414 km altitude, 52 degree inclination)  
**Elevation Angle (E/W):** 5 degrees to 90 degrees  
**Azimuth (E/W):** 0 degrees to 360 degrees

