

John Kennedy

From: Konczal, David S. [david.konczal@pillsburylaw.com]
Sent: Friday, July 14, 2006 10:22 AM
To: John Kennedy
Subject: RE: MSV Experimental STA Request; File No. 0522-EX-ST-2006

John -- Please correct the proposed start date for this test to August 2, 2006 and an end date of November 2, 2006. Thanks.

From: Konczal, David S.
Sent: Thursday, July 13, 2006 4:45 PM
To: 'john.kennedy@fcc.gov'
Subject: MSV Experimental STA Request; File No. 0522-EX-ST-2006

John -- Attached is a request filed today by Mobile Satellite Ventures Subsidiary LLC (“MSV”) for temporary authority to transmit on certain frequencies in the L-band (1551.213 - 1555.187 MHz) from a fixed antenna adjacent to its headquarters in Reston, Virginia to measure the degree of RF coupling into existing L band receive antennas at MSV’s satellite gateway facility in Reston, Virginia.

<< File: MSV Form.pdf >>

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**FEDERAL COMMUNICATIONS COMMISSION
APPLICATION FOR SPECIAL TEMPORARY AUTHORITY**
**This request for Special Temporary Authority (STA) is for a Existing
STA**

Applicant Name

Name of Applicant: Mobile Satellite Ventures Subsidiary LLC

Address

Attention: Jennifer A. Manner

Street Address: 10802 Parkridge Boulevard

P.O. Box:

City: Reston

State: VA

Zip Code: 20191

Country:

E-Mail Address: jmanner@msvlp.com

Best Contact

Give the following information of person who can best handle inquiries pertaining to this application:

Last Name: Konczal

First Name: David

Title: Counsel

Phone Number: 202-663-8432

Explanation

Please explain in the area below why an STA is necessary:

Mobile Satellite Ventures Subsidiary LLC ("MSV") requests temporary authority to transmit on certain frequencies in the L-band (1551.213 - 1555.187 MHz) from a fixed antenna adjacent to its headquarters in Reston, Virginia to measure the degree of RF coupling into existing L band receive antennas at MSV's satellite gateway facility in Reston, Virginia.

Purpose of Operation

Please explain the purpose of operation:

MSV requests temporary authority to transmit on certain frequencies in the L-band (1551.213 - 1555.187 MHz) from a fixed antenna installed on the roof of a building adjacent to MSV's headquarters in Reston, Virginia that will be used to support an upcoming test and demonstration of MSV's next-generation Ancillary Terrestrial Component. See File No. 0165-EX-ST-2006 (filed April 5, 2006). With the experimental STA requested here, MSV seeks authority to transmit on the specified L-band frequencies from a fixed antenna to determine the amount of RF isolation between this antenna and MSV's existing L band antennas at its Reston, Virginia facility used for ongoing satellite operations. The test will entail transmitting a low-power (≤ 0 dBW EIRP) carrier from the antenna and measuring the received power level at several outdoor locations on MSV's Reston gateway premises. This testing may be performed over extended time periods of up to several days in order to characterize long-term fading and possible diurnal effects. MSV's predecessor, Motient Services Inc., received an experimental STA to conduct similar tests in October 2000. See File No. 0462-EX-ST-

2000 (granted October 4, 2000).

Information**Callsign:****Class of Station:** FX**Nature of Service:** Experimental**Location of proposed operation****Operation Start Date:** 07/21/2006**Operation End Date:** 10/21/2006**Manufacturer**

List below transmitting equipment to be installed (if experimental, so state) if additional rows are required, please submit equipment list as an exhibit:

Manufacturer	Model Number	No. Of Units	Experimental
Agilent (RF signal generator)	E4438C	1	No
Til-TEK (antenna)	TA-1504-10-60	1	No

Certification

Neither the applicant nor any other party to the application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance. The applicant hereby waives any claim to the use of any particular frequency or electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.) The applicant acknowledges that all statements made in this application and attached exhibits are considered material representations, and that all the exhibits part hereof and are incorporated herein as if set out in full in this application; undersigned certifies that all statements in this application are true, complete and correct to the best of his/her knowledge and belief and are made in good faith. Applicant certifies that construction of the station would NOT be an action which is likely to have a significant environmental effect. See the Commission's Rules, 47 CFR1.1301-1.1319.

Signature of Applicant (Authorized person filing form):

Jennifer A. Manner

Title of Applicant (if any):

Vice President, Regulatory Affairs

Date:

Jul 13 2006 12:00AM

Station Location

City	State	Latitude	Longitude	Mobile	Radius of Operation
Reston	Virginia	North 38 56 44	West 77 18 58		

Datum: NAD 83

Is a directional antenna (other than radar) used? Yes

Exhibit submitted: No

(a) Width of beam in degrees at the half-power point: 63.00

(b) Orientation in horizontal plane: 200.00

(c) Orientation in vertical plane: 5.00

Will the antenna extend more than 6 meters above the ground, or if mounted on an existing building, will it extend more than 6 meters above the building, or will the proposed antenna be mounted on an existing structure other than a building? No

(a) Overall height above ground to tip of antenna in meters:

(b) Elevation of ground at antenna site above mean sea level in meters:

(c) Distance to nearest aircraft landing area in kilometers:

(d) List any natural formations of existing man-made structures (hills, trees, water tanks, towers, etc.) which, in the opinion of the applicant, would tend to shield the antenna from aircraft:

Action	Frequency	Station Class	Output Power/ERP	Mean Peak	Frequency Tolerance (+/-)	Emission Designator	Modulating Signal
Deleted	1551.21300000-1555.18700000 MHz	FX	0.030000 W 1.000000 W	M	0.00001000 %	150KN0N	CW
Action	Frequency	Station Class	Output Power/ERP	Mean Peak	Frequency Tolerance (+/-)	Emission Designator	Modulating Signal
Modified	1551.21300000-1555.18700000 MHz	FX	0.030000 W 1.000000 W	M	0.00001000 %	1K50N0N	CW
Action	Frequency	Station Class	Output Power/ERP	Mean Peak	Frequency Tolerance (+/-)	Emission Designator	Modulating Signal
Modified	1551.21300000-1555.18700000 MHz	FX	0.030000 W 1.000000 W	M	0.00001000 %	1M25G7W	CDMA