Approved by OMB
3060–0678

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATIONEnter a description of this application to identify it on the main menu:
STA for higher power operations in the 12750–12752 MHz band (Napa)

1. Applicant

Name:	LightSquared Subsidiary LLC	**Phone Number:**	703–390–2001
DBA Name:		**Fax Number:**	703–390–2770
Street:	10802 Parkridge Blvd	**E–Mail:**	jeff.carlisle@lightsquared.com
City:	Reston	**State:**	VA
Country:	USA	**Zipcode:**	20191 –
Attention:	Mr Jeffrey J. Carlisle		

"30days" "with conditions"

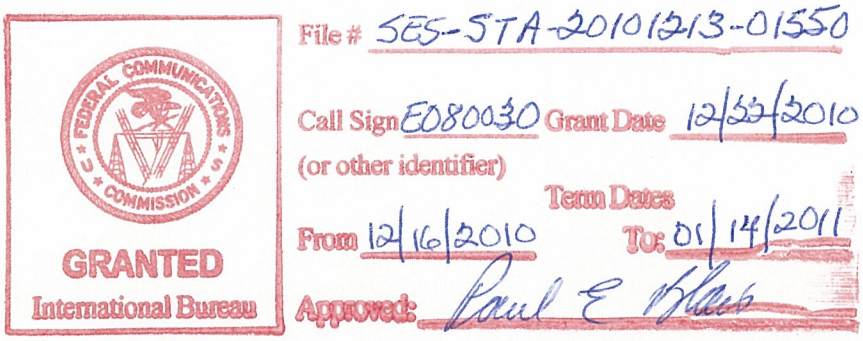
FEDERAL COMMUNICATIONS COMMISSION
GRANTED
International Bureau

File # SES-STA-20101213-01550
Call Sign E080030 Grant Date 12/22/2010
(or other identifier)
Term Dates
From 12/16/2010 To: 01/14/2011
Approved: Paul E Blais

Attachment
SES-STA-20101213-01550
E080030

Condition:
All operations shall be on an unprotected and non-harmful interference basis, i.e. LightSquared Subsidiary LLC shall not cause harmful interference to, and shall not claim Protection from, interference caused to it by any other lawfully operating station and it Shall cease transmission(s) immediately upon notice of such interference.

"30 days with conditions"



BEFORE THE
FEDERAL COMMUNICATIONS COMMISSION
WASHINGTON, D.C. 20554

In the Matter of	)	
	)	
LightSquared Subsidiary LLC	)	File No. _____
	)	
Application for Special Temporary Authority	)	

APPLICATION

By this application, LightSquared Subsidiary LLC ("LightSquared") seeks Special Temporary Authority ("STA"), for a period of 30 days, to transmit from the Napa earth station (Call Sign E080030) to SkyTerra 1 in the 12750-12752 MHz band (Earth-to-space) at a higher power than is authorized by the license for the earth station. The application is necessary because LightSquared specified incorrect maximum power levels for the 12750-12752 MHz band in the license application for the Napa earth station, File No. SES-LIC-20080206-00131.[1] This frequency band is used as a back-up band for ranging and command transmissions, and higher power is necessary to ensure that the earth station can maintain the link with the satellite under degraded conditions, such as in the event of rain. Additionally, the requested authority is a critical component of the in-orbit-testing for SkyTerra 1, which is currently underway. LightSquared, therefore, requests expedited grant of this application.[2]

For the earth station's 7.3-meter antenna and the relevant 11-meter antenna, LightSquared seeks to increase, from 71 dBW to 82.5 dBW and 73.5 dBW to 85 dBW,

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[1] LightSquared intends to file a modification of license application shortly, seeking regular authority for the temporary authority requested in this filing.

[2] Pursuant to the FCC's rules, the Commission may grant, without public notice of the application, a temporary authorization for a period not to exceed 30 days. *See* 47 C.F.R. § 25.120(b)(2).

respectively, the authorized maximum output power of its transmissions in the 12750-12752 MHz band. The associated maximum EIRP density will increase to 57.73 dBW/4 kHz and 60.30 dBW/4 kHz, for the 7.3-meter antenna and 11-meter antenna, respectively.

As noted above, the 12750-12752 MHz band is used as a back-up band for ranging and command transmissions, which are normally conducted in the 13248-13250 MHz frequency band. The proposed maximum power levels for the 12750-12752 MHz band correspond exactly to the maximum power levels already authorized for transmissions in the 13248-13250 MHz band.[3] The requested higher maximum power for transmissions in the 12750-12752 MHz band will allow for greater margin under degraded conditions (such as in the event of rain), increasing the earth station's ability to maintain the link with the satellite's pipe/bi-cone antennas during those events.

LightSquared has coordinated proposed transmissions up to 77 dBW with TerreStar-1, which is the nearest unaffiliated satellite operating in the 12750-12752 MHz band, and is in the process of completing coordination for proposed transmissions up to 85 dBW. In any event, with respect to operations pursuant to this application, LightSquared will operate on an unprotected and non-interference basis.[4] For the reasons stated above, LightSquared requests expedited grant of this application.

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[3] *See* License, Call Sign E080030.

[4] TerreStar-1 is at 111.0°W. In light of this minimum 9.8° of separation, the lowest amount of sidelobe discrimination is 45 dB.