

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:

LM Napa Earth Station - 150W STA Extension

I. Applicant

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Country:	USA	Zipcode:	20817 -
Attention:	Ms Jennifer A Warren		

Conditions Attached



File # SES-STA-20051110-01549

Call Sign E050272 Grant Date Nov. 17, 2005
(or other identifier)

Term Dates
From Nov. 16, 2005 To Nov. 30, 2005

Approved: Jeanette D. Spriggs

E050272 SES-STA-20051110-01549
Lockheed Martin Corporation

ATTACHMENT

CONDITIONS

- 1) LMCO wishes to conduct the following test. All test signals will be transmitted from the PanAmSat Galaxy XV GSO satellite at 150 deg W.
- 2) Testing will begin on or about November 16 to continue for 14 days.
- 3) The contact point for "stop buzzer", i.e., a person who can stop the test if interference to GPS/WAAS or DME is detected, is Mr Dan Heil at 408-348-0795
- 4) For L1 frequency:

Based on an October 4 telecom between Dan Heil (LMCO), Tom Woods (NTIA), Eddie Davison(NTIA), Robert Frazier(FAA), and John Cabala (Military Liaison to FAA) the following are the characteristics of the L1 test signal:

Each signal is a single CW tone, either fixed in frequency centered at the GPS L1 C/A spectrum first or second null or swept quickly across the GPS L1 C/A frequency spectrum.

The power to be transmitted is between 26.36 dBW and 21.36 dBW, except for a single test where the fixed frequency is at full power, 36.36 dBW.

- 5) For L5 frequency:

Each signal is a single CW tone, either fixed in frequency at the GPS L5 spectrum center or swept across the GPS L5 frequency spectrum.

The power to be transmitted is between 23.02 dBW and 18.02 dBW, except for a single test where the fixed frequency is at full power, 33.02 dBW.