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July 16, 2002

FILE NO. 021394-0003

BY HAND DELIVERY

Marlene H. Dortch
Secretary
Federal Communications Commission
445 12th Street, S.W.
Washington, D.C. 20554

Re: Hughes Network Systems, Inc.
E990170 (FCC File No. SES-MOD-20020405-00557)

Ladies and Gentlemen:

Enclosed on behalf of Hughes Network Systems, Inc., please find an original and two copies of the satellite certification letters from Loral Skynet and each of the adjacent satellite operators in connection with the above referenced pending application. Please associate these letters with the file in this matter.

Thank you in advance for your cooperation. In the event there are any questions concerning this matter, please contact the undersigned at (202) 637-2200.

Respectfully submitted,

Dori K. Bailey
of LATHAM & WATKINS

Enclosures

cc: Frank Peace
Sylvia Lam

LORAL SKYNET

Krish Jonnalagadda
Technical Project Director, Spectrum Engineering
Loral Skynet

500 Hills Drive
P.O. Box 7018
Bedminster, NJ 07921
Tel.: 908-470-2576
Fax: 908-470-2455
E mail: kjonnalagadda@loralskynet.com

April 29, 2002

Federal Communications Commission – International Bureau
445 12th Street, S.W.
Washington, D.C. 20554

Subject: Engineering Certification of Loral Skynet®[1]

To whom it may concern:

Loral Skynet owns and operates the Telstar 5 satellite, which is authorized to operate and is currently operating at 97 degrees WL in the geostationary-satellite orbit.

The undersigned certifies that seven Telstar 5 transponders have been coordinated with the adjacent satellite operators, within +/- 6°, to operate with a saturated wideband digital carrier occupying 27 MHz bandwidth, with maximum satellite EIRP density of +12 dBW/4 kHz at beam center. The seven Telstar 5 transponder numbers and the corresponding up and downlink frequencies at the centers of the digital carriers are as follows:

Telstar 5 transponder number	Center frequencies (MHz) of the +12 dBW/4 kHz Up/downlinks
2	14021.5 / 11721.5
2	14035.0 / 11735.0
2	14048.5 / 11748.5
4	14082.5 / 11782.5
4	14096.0 / 11796.0
4	14109.5 / 11809.5
6	14142.5 / 11842.5
13	14260.0 / 11960.0
14	14266.5 / 11966.5
18	14328.5 / 12028.5
20	14359.5 / 120.595

Transponders 6, 13, 14, 18, and 20 have 27 MHz bandwidth, same as that of the wideband digital carrier. Transponders 2 and 4 have a bandwidth of 54 MHz. Three options are shown in each of these two transponders, which correspond to placing a wideband digital carrier in the left half, center, and the right half of the transponder. Any

[1] Skynet is a registered trademark of Loral SpaceCom Corporation

wideband digital carrier in the transponder will be operated in back-off mode to keep the maximum EIRP density at +12 dBW/4KHz at beam center.
The adjacent satellite operators with whom coordination has been completed are:

PanAmSat - Galaxy XI (91° W), Galaxy IIIR (95° W), and Galaxy IVR (99° W)
SES Americom - AMC-4 (101° W), AMC-1 (103° W)

In addition, coordination with Telstar 6 (93° W) has been completed.

In the future, Loral Skynet will ensure that the continued operation of these wideband digital carriers is coordinated with the satellites at 2, 4, and 6-degree spacings.

Sincerely,

K. Jonnalagadda

Acceptance by SES-Americom:

SES-Americom agrees that coordination between Telstar 5 at 97 degrees WL operating the wideband digital carriers described in this letter, and AMC-4 (101° W), and AMC-1 (103°W) has been completed.

J. Londono

Jaime Londono
Director, Satellite Market Development
SES-Americom
4, Research Way
Princton, NJ 08540

LORAL SKYNET

Krish Jonnalagadda
Technical Project Director, Spectrum Engineering
Loral Skynet

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Fax: 908-470-2455
E mail: kjonnalagadda@loralskynet.com

April 17, 2002

Federal Communications Commission – International Bureau
445 12th Street, S.W.
Washington, D.C. 20554

Subject: Engineering Certification of Loral Skynet®[1]

To whom it may concern:

Loral Skynet owns and operates the Telstar 5 satellite, which is authorized to operate and is currently operating at 97 degrees WL in the geostationary-satellite orbit.

The undersigned certifies that seven Telstar 5 transponders have been coordinated with the adjacent satellite operators, within +/- 6°, to operate with a saturated wideband digital carrier occupying 27 MHz bandwidth, with maximum satellite EIRP density of +12 dBW/4 kHz at beam center. The seven Telstar 5 transponder numbers and the corresponding up and downlink frequencies at the centers of the digital carriers are as follows:

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In addition, coordination with Telstar 6 (93° W) has been completed.

In the future, Loral Skynet will ensure that the continued operation of these wideband digital carriers is coordinated with the satellites at 2, 4, and 6-degree spacings.

Sincerely,

K. Tomalapalla

Acceptance by PanAmSat:

PanAmSat agrees that coordination between Telstar 5 at 97 degrees WL operating the wideband digital carriers described in this letter, and Galaxy XI (91° W), Galaxy IIIR (95° W), and Galaxy IVR (99° W) has been completed.

Ken Kashin

Ken Kashin
PanAmSat
Senior Director – Payload Management
2857 Fork Creek Church road
Ellenwood, GA 30294