

READ INSTRUCTIONS CAREFULLY
BEFORE PROCEEDING

FEDERAL COMMUNICATIONS COMMISSION
REMITTANCE ADVICE

Approved by OMB
3060-0589
Page No 1 of 1

(1) LOCKBOX # 358210

FCC/MELLON NOV 30 2001

SPECIAL USE

FCC USE ONLY

SECTION A - PAYER INFORMATION

(2) PAYER NAME (if paying by credit card, enter name exactly as it appears on your card)
Loral SpaceCom Corp.

(3) TOTAL AMOUNT PAID (U.S. Dollars and cents)
\$6,670.00

(4) STREET ADDRESS LINE NO. 1
500 Hills Drive, Room 3B12

(5) STREET ADDRESS LINE NO. 2

(6) CITY
Bedminster

(7) STATE
NJ

(8) ZIP CODE
07921

(9) DAYTIME TELEPHONE NUMBER (include area code)
908-470-2328

(10) COUNTRY CODE (if not in U.S.A.)

FCC REGISTRATION NUMBER (FRN) AND TAX IDENTIFICATION NUMBER (TIN) REQUIRED

(11) PAYER (FRN)
0004-9533-29

(12) PAYER (TIN)
0133867427

IF PAYER NAME AND THE APPLICANT NAME ARE
IF MORE THAN ONE APPLICANT, USE CONT

S2357 SAT-MOD-20011130-00118
LORAL CYBERSTAR, INC.
TELSTAR 11R

(13) APPLICANT NAME
Loral CyberStar, Inc.

(14) STREET ADDRESS LINE NO. 1
1755 Jefferson Davis Highway, Suite 1007

(15) STREET ADDRESS LINE NO. 2

(16) CITY
Arlington

(17) STATE
VA

(18) ZIP CODE
22202

(19) DAYTIME TELEPHONE NUMBER (include area code)
703-414-1060

(20) COUNTRY CODE (if not in U.S.A.)

FCC REGISTRATION NUMBER (FRN) AND TAX IDENTIFICATION NUMBER (TIN) REQUIRED

(21) APPLICANT (FRN)
0005-0197-08

(22) APPLICANT (TIN)
0521564318

COMPLETE SECTION C FOR EACH SERVICE, IF MORE BOXES ARE NEEDED, USE CONTINUATION SHEET

(23A) CALL SIGN/OTHER ID

(24A) PAYMENT TYPE CODE
BFY

(25A) QUANTITY
1

(26A) FEE DUE FOR (PTC)
\$6,670.00

(27A) TOTAL FEE
\$6,670.00

FCC USE ONLY

(28A) FCC CODE 1

(29A) FCC CODE 2

(23B) CALL SIGN/OTHER ID

(24B) PAYMENT TYPE CODE

(25B) QUANTITY

(26B) FEE DUE FOR (PTC)

(27B) TOTAL FEE

FCC USE ONLY

(28B) FCC CODE 1

(29B) FCC CODE 2

SECTION D - CERTIFICATION

(30) CERTIFICATION STATEMENT

I, _____, certify under penalty of perjury that the foregoing and supporting information is true and correct to the best of my knowledge, information and belief. SIGNATURE _____ DATE _____

SECTION E - CREDIT CARD PAYMENT INFORMATION

(31)

MASTERCARD/VISA ACCOUNT NUMBER:

EXPIRATION DATE:

MASTERCARD

VISA

I hereby authorize the FCC to charge my VISA or MASTERCARD for the service(s)/authorization herein described.

SIGNATURE _____

DATE _____

WILLKIE FARR & GALLAGHER

Three Lafayette Centre
1155 21st Street, NW
Washington, DC 20036-3384
Tel: 202 328 8000
Fax: 202 887 8979

November 30, 2001

S2357 SAT-MOD-20011130-00118
LORAL CYBERSTAR, INC.
TELSTAR 11R

Federal Communications Commission
International Bureau, Space Station
P.O. Box 358210
Pittsburgh, PA 15251-5210

Re: Application for Modification

Dear Sir or Madam:

Enclosed for filing on behalf of Loral CyberStar, Inc. ("Loral CyberStar") is an original and nine (9) copies of a request on FCC Form 312 to modify Loral CyberStar's Telstar 11R authorization at 37.5° W.L. to include an additional 250 MHz of Ku-band uplink and downlink spectrum. Also included is a completed Form 159 and a check for the applicable filing fee. Please date-stamp and return a copy of the enclosed filing in the envelope provided. Any inquiries related to this request should be directed to the undersigned.

Sincerely,



Stephen R. Bell
Kasey A. Chappelle

Counsel for Loral CyberStar, Inc.

Enclosures

cc: Tom Tycz
Jennifer Gilsonan

**FCC 312
Main Form**

Approved by OMB
3060-0678
Est. Avg Burden Hours
Per Response: 11 Hrs.

FCC Use Only
File Number:
Call Sign:
Fee Number:

FEDERAL COMMUNICATIONS COMMISSION

APPLICATION FOR SATELLITE SPACE AND EARTH STATION AUTHORIZATIONS

APPLICANT INFORMATION

1. Legal Name of Applicant Loral CyberStar, Inc.		2. Voice Telephone Number (703) 414-1060	
3. Other Name Used for Doing Business (if any)		4. Fax Telephone Number	
5. Mailing Street Address or P.O. Box 1755 Jefferson Davis Highway, Suite 1007		6. City Arlington	8. Zip Code 22202
ATTENTION: John P. Stern		7. State / Country (if not U.S.A.) VA	10. Voice Telephone Number (202) 328-8000
9. Name of Contact Representative (if other than applicant) Stephen R. Bell/Kasey A. Chappelle		12. Fax Telephone Number (202) 887-8979	
11. Firm or Company Name Wilkie Farr & Gallagher		14. City Washington	16. Zip Code 20036
13. Mailing Street Address or P.O. Box 1155 21st Street, N.W., Suite 600		15. State / Country (if not U.S.A.) D.C.	
ATTENTION:			

CLASSIFICATION OF FILING

17. Place an "X" in the box next to the classification that applies to this filing for both questions a. and b. Mark only one box for 17a and only one box for 17b.

<input type="checkbox"/> a1. Earth Station	<input type="checkbox"/> b1. Application for License of New Station	<input type="checkbox"/> b6. Transfer of Control of License or Registration
<input checked="" type="checkbox"/> a2. Space Station	<input type="checkbox"/> b2. Application for Registration of New Domestic Receive-Only Station	<input type="checkbox"/> b7. Notification of Minor Modification
	<input type="checkbox"/> b3. Amendment to a Pending Application	<input type="checkbox"/> b8. Application for License of New Receive-Only Station Using Non-U.S. Licensed Satellite
	<input checked="" type="checkbox"/> b4. Modification of License or Registration	<input type="checkbox"/> b9. Letter of Intent to Use Non-U.S. Licensed Satellite to Provide Service in the United States
	<input type="checkbox"/> b5. Assignment of License or Registration	<input type="checkbox"/> b10. Other (Please Specify):

18. If this filing is in reference to an existing station, enter:
Call sign of station: **Telstar 11R at 37.5° W.L.**

19. If this filing is an amendment to a pending application enter:
(a) Date pending application was filed: **N/A**
(b) File number of pending application:

TYPE OF SERVICE

20. NATURE OF SERVICE: This filing is for an authorization to provide or use the following type(s) of service(s): Place an "X" in the box(es) next to all that apply.

- a. Fixed Satellite
- b. Mobile Satellite
- c. Radiodetermination Satellite
- d. Earth Exploration Satellite
- e. Direct to Home Fixed Satellite
- f. Digital Audio Radio Service
- g. Other (please specify)

21. STATUS: Place an "X" in the box next to the applicable status. Mark only one box.

- a. Common Carrier
- b. Non-Common Carrier
- c. Using U.S. licensed satellites
- d. Using Non-U.S. licensed satellites

22. If earth station applicant, place an "X" in the box(es) next to all that apply.

- a. Using U.S. licensed satellites
- b. Using Non-U.S. licensed satellites

23. If applicant is providing INTERNATIONAL COMMON CARRIER service, see instructions regarding Sec. 214 filings. Mark only one box. Are these facilities:

- a. Connected to the Public Switched Network
- b. Not connected to the Public Switched Network

24. FREQUENCY BAND(S): Place an "X" in the box(es) next to all applicable frequency band(s).

- a. C-Band (4/6 GHz)
- b. Ku-Band (12/14 GHz)
- c. Other (Please specify)

TYPE OF STATION

25. CLASS OF STATION: Place an "X" in the box next to the class of station that applies. Mark only one box.

- a. Fixed Earth Station
- b. Temporary-Fixed Earth Station
- c. 12/14 GHz VSAT Network
- d. Mobile Earth Station
- e. Space Station
- f. Other (Specify)

26. TYPE OF EARTH STATION FACILITY: Mark only one box.

- a. Transmit/Receive
- b. Transmit-Only
- c. Receive-Only

PURPOSE OF MODIFICATION OR AMENDMENT

27. The purpose of this proposed modification or amendment is to: Place an "X" in the box(es) next to all that apply.

- a -- authorization to add new emission designator and related service
- b -- authorization to change emission designator and related service
- c -- authorization to increase EIRP and EIRP density
- d -- authorization to replace antenna
- e -- authorization to add antenna
- f -- authorization to relocate fixed station
- g -- authorization to change assigned frequency(ies)
- h -- authorization to add Points of Communication (satellites & countries)
- i -- authorization to change Points of Communication (satellites & countries)
- j -- authorization for facilities for which environmental assessment and radiation hazard reporting is required
- k -- Other (Please Specify)

Authorization to add uplink & downlink spectrum

ENVIRONMENTAL POLICY

28. Would a Commission grant of any proposal in this application or amendment have a significant environmental impact as defined by 47 CFR 1.1307? If YES, submit the statement as required by Sections 1.1308 and 1.1311 of the Commission's rules, 47 C.F.R. §§ 1.1308 and 1.1311, as an exhibit to this application.

- YES
- NO

A Radiation Hazard Study must accompany all applications as an exhibit for new transmitting facilities, major modifications, or major amendments. Refer to OET Bulletin 65.

ALIEN OWNERSHIP

29. Is the applicant a foreign government or the representative of any foreign government?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
30. Is the applicant an alien or the representative of an alien?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
31. Is the applicant a corporation organized under the laws of any foreign government?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
32. Is the applicant a corporation of which more than one-fifth of the capital stock is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
33. Is the applicant a corporation directly or indirectly controlled by any other corporation of which more than one-fourth of the capital stock is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
34. If any answer to questions 29, 30, 31, 32 and/or 33 is Yes, attach as an exhibit, the identification of the aliens or foreign entities, their nationality, their relationship to the applicant, and the percentage of stock they own or vote.	See Exhibit A	

BASIC QUALIFICATIONS

35. Does the applicant request any waivers or exemptions from any of the Commission's Rules? If Yes, attach as an exhibit, copies of the requests for waivers or exceptions with supporting documents.	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
36. Has the applicant or any party to this application had any FCC station authorization or license revoked or had any application for an initial, modification or renewal of FCC station authorization, license, or construction permit denied by the Commission? If Yes, attach as an exhibit, an explanation of the circumstances.	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
37. Has the applicant, or any party to this application, or any party directly or indirectly controlling the applicant ever been convicted of a felony by any state or federal court? If Yes, attach as an exhibit, an explanation of the circumstances.	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
38. Has any court finally adjudged the applicant, or any person directly or indirectly controlling the applicant, guilty of unlawfully monopolizing or attempting unlawfully to monopolize radio communication, directly or indirectly, through control of manufacture or sale of radio apparatus, exclusive traffic arrangement or any other means or unfair methods of competition? If Yes, attach as an exhibit, an explanation of the circumstances.	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
39. Is the applicant, or any person directly or indirectly controlling the applicant, currently a party in any pending matter referred to in the preceeding two items? If Yes, attach as an exhibit, an explanation of the circumstances.	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
40. If the applicant is a corporation and is applying for a space station license, attach as an exhibit the names, addresses, and citizenship of those stockholders owning of record and/or voting 10 percent or more of the Filer's voting stock and the percentages so held. In the case of fiduciary control, indicate the beneficiary(ies) or class of beneficiaries. Also list the names and addresses of the officers and directors of the Filer.	N/A	
41. By checking Yes, the undersigned certifies, that 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 Act of 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance. See 47 CFR 1.2002(b) for the meaning of "party to the application" for these purposes.	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
42a. Does the applicant intend to use a non-U.S. licensed satellite to provide service in the United States? If yes, answer 42b and attach an exhibit providing the information specified in 47 C.F.R. § 25.137, as appropriate. If no, proceed to question 43.	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
42b. What administration has licensed or is in the process of licensing the space station? If no license will be issued, what administration has coordinated or is in the process of coordinating the space station?	N/A	

43. Description. (Summarize the nature of the application and the services to be provided).

Loral CyberStar, Inc. requests authority to add 250 Mhz of uplink & downlink spectrum. Please see attached application.

Exhibit No. Identify all exhibits that are attached to this application.

A Response to Item 34

CERTIFICATION

The Applicant waives any claim to the use of any particular frequency or of the 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 an authorization in accordance with this application. The applicant certifies that grant of this application would not cause the applicant to be in violation of the spectrum aggregation limit in 47 CFR Part 20. All statements made in exhibits are a material part hereof and are incorporated herein as if set out in full in this application. The undersigned, individually and for the applicant, hereby certifies that all statements made in this application and in all attached exhibits are true, complete and correct to the best of his or her knowledge and belief, and are made in good faith.

44. Applicant is a (an): (Place an "X" in the box next to applicable response.)

- a. Individual b. Unincorporated Association c. Partnership d. Corporation e. Governmental Entity f. Other (Please specify) _____

46. Title of Person Signing

Deputy General Counsel, Loral Space & Communications Ltd.

45. Typed Name of Person Signing

John P. Stern

47. Signature



48. Date

November 29, 2001

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. Code, Title 18, Section 1001), AND/OR REVOCATION OF ANY STATION AUTHORIZATION (U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).

Loral CyberStar, Inc., a U.S. corporation, is owned and controlled through an intermediate entity by Loral Space & Communications Ltd. (“Loral”), a Bermuda company that is publicly traded on the New York Stock Exchange (NYSE: LOR). Loral’s home market is the United States. *See In re Application of AT&T Corp. and Loral SpaceCom Corp., Order and Authorization*, 12 FCC Rcd. 925, 928 (1997).

BEFORE THE
Federal Communications Commission
WASHINGTON, D.C.

In the Matter of

Loral CyberStar, Inc.

Application for Modification of
Space Station Authorization

File No. _____

APPLICATION FOR MODIFICATION

I. INTRODUCTION

In May 2001, the Commission authorized Loral CyberStar, Inc. (“Loral CyberStar”)¹ to construct, launch and operate a Ku-band satellite at 37.5° W.L. as a replacement for Orion 1 (Telstar 11) at that location.² Loral CyberStar seeks to modify the Ku-band authorization for its Telstar 11R satellite. Specifically, Loral CyberStar requests authority to add 250 MHz of uplink and downlink spectrum in the extended Ku-band. With the additional frequencies, Loral CyberStar will be able to meet customer demand for additional capacity for connectivity among the United States, Europe and South America.

The following is a summary of Loral’s modification request. Technical information in support of this application is attached as Exhibit 1. Exhibit 2 consists of new ITU documentation for the 37.5° W.L. orbital position.

II. PROPOSED MODIFICATION

¹ Loral Space & Communications Ltd. (“Loral”) is the ultimate parent of Loral CyberStar, Inc.

² See *In re* Application of Loral Space & Communications Ltd., f/k/a Orion Atlantic, L.P., for Authority to Launch and Operate a Hybrid Ku-band/C-band Satellite System at the 37.5° W.L. Orbit Location, *Memorandum Opinion and Order*, 16 FCC Rcd. 12490 (2001).

Loral CyberStar proposes to add to its current authorization at 37.5° W.L. uplink frequencies in the 13.75–14.00 GHz range and downlink frequencies in the 10.95–11.20 GHz range. The proposed downlink frequencies fall within the 10.7–11.7 GHz band, which is allocated on a co-primary basis to the Fixed-Satellite Service (“FSS”), subject to a limitation to international systems.³ The Commission has interpreted this limitation to mean that U.S.-licensed systems may use the 10.7–11.7 GHz band to provide international service only.⁴ Loral CyberStar’s Telstar 11R satellite will provide a full range of commercial Ku-band international services, including video, voice and data. Specifically, Loral CyberStar intends to operate in the 13.75–14.00 GHz range for uplinks in Europe and North America, and in the 10.95–11.20 GHz range for downlinks in Europe and South America.

The 13.75–14.00 GHz band has been allocated both domestically and internationally to FSS, subject to certain restrictions as set forth in the footnotes to the regulations.⁵ ITU footnotes S5.502, S5.503 and S5.503A place limitations on EIRP and minimum antenna size for earth stations operating in this band. Domestically, earth stations are required to coordinate through the NTIA Interdepartment Radio Advisory Committee’s Frequency Assignment Subcommittee to minimize interference with NASA’s Tracking and Data Relay Satellite System.⁶ Loral CyberStar’s operation of Telstar 11R will be consistent with these requirements.

³ See U.S. Table of Frequency Allocations, footnote NG104.

⁴ See *In re PanAmSat Corp.*, Application for Authority to Launch and Operate a Replacement C/Ku Hybrid Fixed Satellite Service Space Station at 58° W.L., *Order and Authorization*, 15 FCC Rcd. 11747, 11748 n.7 (2000).

⁵ See ITU Radio Regulations, footnotes S5.502, S5.503 and S5.503A.

⁶ See 47 C.F.R. § 2.106 n.US337 (2000).

The additional 250 MHz of uplink and downlink spectrum will be used in the coverage areas as outlined in the attached Technical Description.⁷ The satellite design will be modified to include the additional capacity in the existing beams. The bandwidth, equivalent isotropically radiated power, gain-to-temperature ratio and saturation flux density and the communications traffic for the additional transponders will be identical to the transponders in the original design.⁸ There are no other changes to the satellite design and the remaining information in the Ku-band portion of the original application has not changed.⁹

Interference analyses performed on the Ku-Band transponders for the original authorization showed that there will be no harmful interference to adjacent satellite networks. Because the design and usage of the original and additional transponders are the same, the interference analysis for the additional transponders will be identical to the analysis for the original transponders, and so the additional transponders will also cause no harmful interference.¹⁰ Additionally, operation of all the transponders—including the additional transponders—will comply with the PFD requirements of section

⁷ See Exhibit 1.

⁸ See Application of International Private Satellite Partners, L.P. d/b/a Orion Atlantic, L.P., SAT-LOA-19980508-00043 (filed May 8, 1998).

⁹ Per section 25.117(d), included in the Technical Description to this modification is information related only to those aspects of the initial authorization that will be modified. See 47 U.S.C. § 25.117(d) (2000) (“only those items of information listed in 25.114(c) that change need to be submitted provided the applicant certifies that the remaining information has not changed”).

¹⁰ This analysis can be found on Exhibit 1, page 39 of the initial application.

25.208 of the Commission's rules.¹¹ Detailed analysis for the additional transponders is provided in the attached Technical Description.¹²

III. PUBLIC INTEREST SHOWING

In licensing satellites, the Commission "seeks to promote competition, provide flexibility, and encourage technical innovation."¹³ The Commission encourages the use of state-of-the-art satellites.¹⁴ Further, the Commission has repeatedly observed that it is best "to leave spacecraft design decisions to the licensee since the licensee is in a better position to determine how to tailor its system to meet the particular needs of its customers."¹⁵ As such, the Commission has routinely granted modification requests, such as this one, "provided there are no countervailing public interest considerations."¹⁶

The modifications proposed by Loral CyberStar reflect technological advances that will provide significant operating efficiencies and more valuable international services to its customers. These modifications reflect final spacecraft design decisions that will maximize efficient use of scarce orbital

¹¹ 47 C.F.R. § 25.208 (2000).

¹² See Exhibit 1.

¹³ See *In re* Application of GE American Communications, Inc. for Modification of Authorization, *Memorandum Opinion and Order*, 14 FCC Rcd 686, 688 (1998).

¹⁴ See *In re* Application of Hughes Communications Galaxy, et. al, *Order and Authorization*, 7 FCC Rcd. 7119, 7120 (1992).

¹⁵ *Id.* (citing *In re* Amendment of the Commission's Rules to Establish Rules and Policies Pertaining to a Mobile Satellite Service in the 1610-1626.5/2483.5-2500 MHz Frequency Bands, *Notice of Proposed Rulemaking*, 9 FCC Rcd. 1094, 1100-01 (1994)).

¹⁶ *Id.* (citing *In re* Application of AMSC Subsidiary Corp. for Modification of Mobile Satellite License, *Order and Authorization*, 13 FCC Rcd. 12316, 12318 (1998)). See also *In re* Assignment of Orbital Locations to Space Stations in the Domestic Fixed-Satellite Service, *Memorandum Opinion and Order*, 84 F.C.C.2d 584, 595 (1980) ("Each entrepreneur has incentives to use the most efficient and economical technology available to serve consumers . . .").

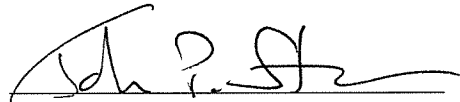
resources, increase service options and provide greater flexibility for customers. Grant of the application will thereby enhance competition in the satellite services market. Moreover, the requested modifications will conform with the FCC's ITU filings and present no new coordination concerns. For all of these reasons, grant of the application is in the public interest.

IV. CONCLUSION

For the reasons discussed above, grant of this application for modification is in the public interest. Loral CyberStar requests that the Commission expeditiously grant this request.

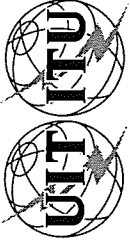
Respectfully submitted,

for LORAL CYBERSTAR, INC.

A handwritten signature in black ink, appearing to read "John P. Stern", written over a horizontal line.

John P. Stern
Deputy General Counsel
Loral Space & Communications Ltd.
1755 Jefferson Davis Highway, Suite 1007
Arlington, VA 22202-3509

November 29, 2001



UNION INTERNATIONALE DES TELECOMMUNICATIONS
BUREAU DES RADIOCOMMUNICATIONS

INTERNATIONAL TELECOMMUNICATION UNION
RADIOCOMMUNICATION BUREAU

UNIÓN INTERNACIONAL DE TELECOMUNICACIONES
OFICINA DE RADIOCOMUNICACIONES

IFIC / DATE IFIC / DATE IFIC / FECHA	SECTION SPECIALE N° SPECIAL SECTION No. SECCIÓN ESPECIAL N.º	API/A/
RESEAU(X) A SATELLITE SATELLITE NETWORK(S) RED(ES) DE SATÉLITE	ADMINISTRATION RESPONSABLE RESPONSIBLE ADMINISTRATION ADMINISTRACION RESPONSABLE	USA

RENSEIGNEMENTS REÇUS PAR LE BUREAU LE
 INFORMATION RECEIVED BY THE BUREAU ON
 INFORMACIÓN RECIBIDA POR LA OFICINA EL

09.12.2001

Ces renseignements concernant les réseaux à satellite régis par l'article S9, sous-section 1B, sont publiés par le Bureau des radiocommunications en application du No. S9.2B. Ils font l'objet de la(les) procédure(s) suivante(s), indiquée(s) ci-dessous par un X dans la case pertinente.

(voir les commentaires du Bureau des radiocommunications)

This information on satellite networks covered under Article S9, Sub-Section 1B, is published by the Radiocommunication Bureau in accordance with No. S9.2B. It is subject to the procedure(s) indicated below by an X in the relevant box.

(see comments of the Radiocommunication Bureau)

Esta información relativa a las redes de satélite regidas por el Artículo S9, sub-sección 1B, se publica por la Oficina de Radiocomunicaciones en virtud del No. S9.2B. Está sujeta al (los) procedimiento(s) siguiente(s), señalado(s) con una X en la casilla apropiada.

(véanse las observaciones de la Oficina de Radiocomunicaciones)

<input checked="" type="checkbox"/>	Les renseignements ont été reçus conformément au No. S9.1	The information has been received pursuant to No. S9.1	La información ha sido recibida de conformidad con No. S9.1
<input type="checkbox"/>	Les renseignements ont été reçus conformément au No. S9.2	The information has been received pursuant to No. S9.2	La información ha sido recibida de conformidad con No. S9.2

Toute administration estimant que ses réseaux à satellite, ses systèmes à satellites ou ses stations de terre, selon le cas, existants ou en projet, sont affectés, peut envoyer ses observations à l'administration qui a demandé la publication des renseignements, avec copie au Bureau des radiocommunications.

Any administration which considers that its existing or planned satellite systems or networks or terrestrial stations, as appropriate, are affected, may send its comments to the administration which has requested publication of the information, with a copy of such comments to the Radiocommunication Bureau.

Cualquier administración que considere que sus sistemas o redes des satélites o estaciones terrenales, según el caso, existentes o planificados se verán afectados, podrá comunicar sus comentarios a la administración que haya solicitado la publicación de la información, enviando una copia de dichos comentarios a la Oficina de Radiocomunicaciones.

Information aussi disponible sur le / Information also available on the / Información también disponible en: <http://www.br/sns/advpub.html> Space Network Systems Online Service :

© I.T.U.

Items	Description	Description
A1a	Name of the space station	Nom de la station spatiale
A1f	Notifying administration	Administration notificatrice
A2a	Date of bringing into use	Date de mise en service
A2b	Period of validity (year)	Période de validité (année)
A4a1	Nominal longitude of a geostationary space station (degree)	Longitude nominale d'une station spatiale géostationnaire (degré)
A4b1	Angle of inclination of the orbit (degree)	Inclinaison de l'orbite (degré)
A4b2	Period (ddd/hh/mm)	Période (jjj/hh/mm)
A4b3a	Altitude of the apogee (km)	Altitude de l'apogée (km)
A4b3b	Altitude of the perigee (km)	Altitude du périgée (km)
A4b4a	Number of satellites	Nombre de satellites
A4b4b	Reference body	Corps de référence
A4b5a	Number of orbital planes	Nombre de plans orbitaux
C1	Frequency Range	Gamme de fréquences
C4a	Class of station	Classe de station
C4b	Nature of service	Nature du service
C11a4	Narrative description of the service area	Description détaillée de la zone de service
BR1	Date of receipt	Date de réception
BR3a	Provision reference code	Code de référence de la disposition
BR6a	Identification number of the network	Numéro d'identification du réseau à satellite
BR6b	Old identification number of the network	Ancien numéro d'identification du réseau à satellite
BR20	IFIC number	Numéro de la IFIC
BR22	Administration remarks	Remarques de l'Administration
BR23	Radiocommunication Bureau comments	Observations du Bureau des radiocommunications
		Nombre de la IFIC
		Observaciones de la Administración
		Comentarios de la Oficina de Radiocomunicaciones

SECTION SPECIALE / SPECIAL SECTION / SECCION ESPECIAL

A	A1a Space station	USASAT-26A	A1f Notifying adm.	USA	BR1 Date of receipt	09.12.2001	BR20 IFIC no.		API/A
	BR6a/BR6b Id. no.	101520094	BR3a Provision reference	S9.1/1B					

A4a1 Orbital long. 37.5 W

A2a Date of bringing into use 09.12.2006 A2b Period of valid. 20
 C1 Frequency range: From 13.75 GHz To 14 GHz
 C4a Class of station EC
 C4b Nature of service CP
 C11a4 Service area REG1, REG 2

A2a Date of bringing into use 09.12.2006 A2b Period of valid. 20
 C1 Frequency range: From 10.95 GHz To 11.2 GHz
 C4a Class of station EC
 C4b Nature of service CP
 C11a4 Service area REG1, REG 2

BR22 Administration remarks

This notice adds new frequency ranges to the Special Section AR11/A/563
 for the USASAT-26A Satellite Network

BR23 Radiocommunication Bureau comments

COMMENTAIRES DU BUREAU DES
RADIOCOMMUNICATIONS CONCERNANT LE
NUMEROTAGE DE LA SECTION SPECIALE

COMMENTS OF RADIOCOMMUNICATION
BUREAU RELATING TO THE SPECIAL SECTION
NUMBERING

COMENTARIOS DE LA OFICINA DE
RADIOCOMMUNICACIONES RELATIVOS A LA
NUMERACION DE LA SECCION ESPECIAL

1. La date limite pour la réception des commentaires indiquée sur la page de couverture s'applique uniquement aux bandes de fréquences additionnelles suivantes:

1. Expiry date for the receipt of comments indicated on the cover page applies only to the following additional frequency bands:

1. La fecha limite para la recepción de los comentarios indicada en la portada de la Sección Especial sólo se aplica a las siguientes bandas de frecuencias adicionales:

2. La présente Section spéciale est aussi publiée conformément au paragraphe 7.1.3 de l'Appendice 30/S30 pour les gammes de fréquences suivantes:

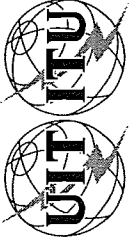
2. This Special Section is also published in accordance with paragraph 7.1.3 of Appendix 30/S30 with respect to the following frequency bands:

2. La presente Sección Especial se publica también en virtud del párrafo 7.1.3 del apéndice 30/S30 para las siguientes gamas de frecuencias:

3. Sections spéciales déjà publiées/ IFIC/ date:

3. Previously published Special Sections/ IFIC/Date:

3. Secciones Especiales ya publicadas/ IFIC/ fecha:



UNION INTERNATIONALE DES TELECOMMUNICATIONS
BUREAU DES RADIOCOMMUNICATIONS

INTERNATIONAL TELECOMMUNICATION UNION
RADIOCOMMUNICATION BUREAU

UNIÓN INTERNACIONAL DE TELECOMUNICACIONES
OFICINA DE RADIOCOMUNICACIONES

IFIC / DATE
IFIC / DATE
IFIC / FECHA

SECTION SPECIALE N°
SPECIAL SECTION No.
SECCIÓN ESPECIAL N.º

AR11/C/2456 MOD-2

STATION SPATIALE
SPACE STATION
ESTACIÓN ESPACIAL

STATION(S) TERRIENNE(S)
EARTH STATION(S)
ESTACIÓN(ES) TERRENA(S)

TYPE/TYPICAL/TIPO

ADMINISTRATION RESPONSABLE
RESPONSIBLE ADMINISTRATION
ADMINISTRACIÓN RESPONSABLE

USA

RENSEIGNEMENTS REÇUS PAR LE BUREAU LE
INFORMATION RECEIVED BY THE BUREAU ON
INFORMACIÓN RECIBIDA POR LA OFICINA EL
09.12.2001

Ces renseignements ont été reçus par le Bureau des radiocommunications en vertu du RR1074 et son publiés en application du RR1078. Ils font l'objet de l'une des deux procédures suivantes, indiquées ci-dessous par un X dans la case pertinente.

This information has been received by the Radiocommunication Bureau pursuant to RR1074 and is published in accordance with RR1078. It is subject to one of two procedures, indicated below by an X in the relevant box.

Esta información ha sido recibida por la Oficina de Radiocomunicaciones de conformidad con RR1074 y se publica en virtud de RR1078. Está sujeta a uno de los dos procedimientos siguientes, señalado con una X en la casilla apropiada.

Une demande de coordination a été envoyée conformément au RR1073 aux administrations indiquées ci-dessous. En application du RR1078, le Bureau a ajouté, le cas échéant, le symbole des autres administrations (identifiées par *) dont les services sont susceptibles d'être affectés.

A request for coordination has been sent in accordance with RR1073 to the administrations indicated below. In conformity with RR1078, the Bureau has added, as appropriate, the symbols of any other administrations (identified by *) whose services are likely to be affected.

De conformidad con RR1073, se ha enviado una solicitud de coordinación a las administraciones indicadas más abajo. Conforme a RR1078, la Oficina ha añadido adecuadamente el símbolo de las demás administraciones (identificadas por un *) cuyos servicios pueden resultar afectados. Las administraciones cuyo símbolo aparece en la presente Sección Especial deberán acusar recibo inmediatamente por telegrama de la información referente a la coordinación (RR1082).

Toute administration dont le symbole apparaît dans la présente Section Spéciale accuse immédiatement réception, par télégramme, des données concernant la coordination (RR1082).

Any administration whose symbol appears in the present Special Section shall acknowledge receipt of the coordination data immediately by telegram (RR1082).

La coordinación (RR1082).

DEMANDE DE COORDINATION (RR1060) ADRESSEE A
REQUEST FOR COORDINATION (RR1060) ADDRESSED TO
SOLICITUD DE COORDINACION (RR1060) DIRIGIDA A

DATE LIMITE POUR LA DECISION (RR1084) :
EXPIRY DATE FOR DECISION (RR1084):
FECHA LIMITE PARA LA DECISION (RR1084):

Les dispositions du RR1066 s'appliquent à ces assignations qui sont publiées uniquement pour information.

The provisions of RR1066 apply to these assignments, which are published for information only.

Las disposiciones de RR1066 se aplican a estas asignaciones, que se publican a título de información únicamente.

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C-10a5	Designation of the antenna beam of the associated space station	Désignation du faisceau de l'antenne de la station spatiale associée	Designación del haz de la antena de la estación espacial asociada	73
C-10b1	Name of the associated earth station	Nom de la station terrienne associée	Nombre de la estación terrena asociada	59
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C-10b4	Country symbol	Symbole de pays	Símbolo de país	63
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13B1	Findings: Reference to a provision, appendix or resolution	Conclusions: Référence à une disposition, appendice ou résolution	Conclusiones: Referencia a una disposición, apéndice o resolución	
13B2	Findings: Remarks concerning the findings entered in column 13A; Table No.13B of the preface to the IFL	Conclusions: Remarques concernant les conclusions inscrites à la colonne 13A; Tableau No.13B de la Préface à la Liste Internationale des Fréquences	Conclusiones: Comentarios correspondientes a las conclusiones inscritas en la columna 13A; Tabla No.13B del Prefacio a la Lista Internacional de frecuencias	
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BR1	Date of receipt	Date de réception	Fecha de recepción	3
BR2	Administration serial number	Numéro de série de l'administration	Número de serie de la administración	

SECTION ESPECIAL / SPECIAL SECTION / SECCION ESPECIAL

M A1a Space station USASAT-26A A1f Notifying adm. USA BR1 Date of receipt 09.12.2001 BR20/BR21 IFIC no./part /
 BR6a/BR6b Id. no. 101520094 94520094 BR3a/BR3b Provision reference S9.6 C BR2 Adm. serial no. KGR R

A4a1 Orbital long. 37.5 W A4a2a Long. tolerance 0.1 W - 0.1 E A4a2b Inclination excursion 0.1
 A4a3 Visibility arc 39 W - 36 W A4a4 Service arc 39 W - 36 W A4a5 Reason for arc diff.

A B1a/B1b Beam designation KGR B2 Emi-Rcp R B3a1/B3b1/B3b2a Max. ant. gain 44 B3d Pointing accuracy 0.1
 B3a2/B3b2b Ant. gain cont. diag. 1 B3f Ant. gain vs orbit long. diag. 2

B3e1 Rad. diag. B3e2 Ref. pat. B3e3 Coef. A B3e4 Coef. B

C4a Class of station EC BR14 Special Section C5a Noise temperature 600
 C4b Nature of service CP C3a Assigned freq. band 50000 C6a Polarization type M C8d/C8g Max. pwr
 C11a1 Service area no. 1 C11a2 Service area C11a3 Service area diagram 1

A5/A6 Coordination 1060 R A2a Date of bringing into use 09.12.2006 A2b Period of valid. 20 A3a Op. agency 99 A3b Adm. resp. A BR16 Value of type C8b BR17 Reason for C8c/C8e absent

C2a Assigned frequency

14.025	G	14.125	G	14.225	G	14.325	G	14.425	G
14.075	G	14.175	G	14.275	G	14.375	G	14.475	G

A13 Ref. to Special Sections

1	AR11/A	563
2	AR11/C	2456

C7a	C8a1/C8b1	C8a2/C8b2	C8c1	C8c2	C8e
Design. of emission	Max. peak pwr	Max. pwr dens.	Min. peak pwr	Min. pwr dens.	C/N ratio
1 36M0F9W--	27	-36	7.1	-55.9	30
2 18M0F9W--	27	-36	4.1	-58.9	30
3 50M0G7W--	33	-44	3.5	-73.4	25
4 36M0G7W--	31.6	-44	2.1	-73.4	25
5 2M00G7W--	19	-44	-10.4	-73.4	25
6 44K0G1D--	2.4	-44	-27	-73.4	25

C10b1 Assoc. earth station name TYPICAL K8.0 METER C10b3 Type T C10b4 Ctry C10b5 Geographical coord.
 C10c1 Cls. / Nat. 1 TC CP C10c2 Max. iso. gain 59.4 C10c3 Bmwidth 0.18 REC-580 C10c4a Ref. pattern C10c4b Rad. diag. C10c4c Coef A Coef B Coef C Coef D Phi1

Findings 2D Date 13A Conformity with RR 13B1 Provision 13B2 Remarks 13B3 Date of Review
 13C Remarks

BR7a/BR7b Group id. 202 BR14 Special Section
 C4a Class of station EC C3a Assigned freq. band 50000 C5a Noise temperature 600
 C4b Nature of service CP C6a Polarization type M C6b Polarization angle C8d/C8g Max. pwr
 C11a1 Service area no. 1 C11a2 Service area C11a3 Service area diagram 1

A5/A6 Coordination 1060 R A2a Date of bringing into use 09.12.2006 A2b Period of valid. 20 A3a Op. agency 99 A3b Adm. resp. A BR16 Value of type C8b BR17 Reason for C8c/C8e absent

SECTION ESPECIAL / SPECIAL SECTION / SECCION ESPECIAL

A1f Notifying adm. USA BR1 Date of receipt 09.12.2001 BR20/BR21 IFIC no./part /
 BR6a/BR6b Id. no. 101520094 94520094 BR3a/BR3b Provision reference S9.6 C BR2 Adm. serial no. KGR R

BR7a/BR7b Group id. 204 BR14 Special Section
 C4a Class of station EC C3a Assigned freq. band 50000 C5a Noise temperature 600
 C4b Nature of service CP C6a Polarization type M C6b Polarization angle C8d/C8g Max. pwr
 C11a1 Service area no. I C11a2 Service area C11a3 Service area diagram I

A5/A6 Coordination 1060 R
 A2a Date of bringing into use 09.12.2006 A2b Period of valid. 20 A3a Op. agency 99 A3b Adm. resp. A BR16 Value of type C8b BR17 Reason for C8c/C8e absent

C2a Assigned frequency

14.025	G	14.125	G	14.225	G	14.325	G	14.425	G
14.075	G	14.175	G	14.275	G	14.375	G	14.475	G

A13 Ref. to Special Sections

1	AR11/A	563
2	AR11/C	2456

C7a	C8a1/C8b1	C8a2/C8b2	C8c1	C8c2	C8e
Design. of emission	Max. peak pwr	Max. pwr dens.	Min. peak pwr	Min. pwr dens.	C/N ratio
1 50M0G7W--	33	-44	24	-52.9	25
2 36M0G7W--	31.6	-44	22.6	-52.9	25
3 2M00G7W--	1.9	-44	10	-52.9	25
4 44K0G1D--	2.4	-44	-6.5	-52.9	25

C10b1 Assoc. earth station name C10b3 C10b4 C10b5 C10c1a/C10c1b C10c2 C10c3 C10c4a C10c4b C10c4c
 TYPICAL KO.75 METER T Geographical coord. C10c4a Max. iso. gain 38.9 C10c4b Rad. diag. C10c4c Coef A Coef B Coef C Coef D Phi1
 Findings 2D Date 13A Conformity with RR 13B1 Provision 13B2 Remarks 13B3 Date of Review

BR7a/BR7b Group id. 205 BR14 Special Section
 C4a Class of station EC C3a Assigned freq. band 50000 C5a Noise temperature 600
 C4b Nature of service CP C6a Polarization type M C6b Polarization angle C8d/C8g Max. pwr
 C11a1 Service area no. I C11a2 Service area C11a3 Service area diagram I

A5/A6 Coordination 1060 R
 A2a Date of bringing into use 09.12.2006 A2b Period of valid. 20 A3a Op. agency 99 A3b Adm. resp. A BR16 Value of type C8b BR17 Reason for C8c/C8e absent

C2a Assigned frequency

13.825	G	13.875	G	13.925	G	13.975	G
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A13 Ref. to Special Sections

1	AR11/A	563
2	AR11/C	2456

C7a	C8a1/C8b1	C8a2/C8b2	C8c1	C8c2	C8e
Design. of emission	Max. peak pwr	Max. pwr dens.	Min. peak pwr	Min. pwr dens.	C/N ratio
1 36M0F9W--	25.6	-37.4	8.6	-54.4	30
2 18M0F9W--	25.6	-37.4	8.6	-54.5	30
3 50M0G7W--	25.6	-51.3	8.6	-68.3	25
4 36M0G7W--	24.2	-51.3	8.6	-66.9	25
5 2M00G7W--	11.6	-51.3	8.6	-54.4	25

SECTION ESPECIAL / SPECIAL SECTION / SECCION ESPECIAL

M A1a Space station A1f Notifying adm. BR1 Date of receipt BR20/BR21 IFC no./part /
 BR6a/BR6b Id. no. 94520094 BR3a/BR3b Provision reference C BR2 Adm. serial no. KGR R

A13 Ref. to Special Sections		C7a Design. of emission		C8a1/C8b1 Max. peak pwr		C8a2/C8b2 Max. pwr dens.		C8c1 Min. peak pwr		C8c2 Min. pwr dens.		C8e C/N ratio	
1	AR11/A	563	1	18M0F9W--	25.6	-37.4	8.6	8.6	-54.4	30			
2	AR11/C	2456	2	22M0G7W--	25.6	-47.8	8.6	8.6	-64.8	25			
			3	2M00G7W--	15.2	-47.8			-54.4	25			

Assoc. earth station name C10b1 Ctry C10b3 Type C10b5 Geographical coord. C10c1a/C10c1b Cls. / Nat. TC C10c2 Max. iso. gain C10c3 Bmwdth REC-580 C10c4a Ref. pattern C10c4b Rad. diag. C10c4c Coef A Coef B Coef C Coef D Phi1
 Findings 2D Date 13A Conformity with RR 13B1 Provision 13B2 Remarks 13B3 Date of Review
 13C Remarks

BR7a/BR7b Group id. BR14 Special Section BR17 Reason for C8c/C8e absent
 C4a Class of station C3a Assigned freq. band C5a Noise temperature
 C4b Nature of service C6a Polarization type C6b Polarization angle C8d/C8g Max. pwr C11a2 Service area C11a3 Service area diagram
 C11a1 Service area no.

A5/A6 Coordination R
 A2a Date of bringing into use A2b Period of valid. A3a Op. agency A3b Adm. resp. BR16 Value of type C8b BR17 Reason for C8c/C8e absent
 13.761 G 13.789 G C2a Assigned frequency

A13 Ref. to Special Sections		C7a Design. of emission		C8a1/C8b1 Max. peak pwr		C8a2/C8b2 Max. pwr dens.		C8c1 Min. peak pwr		C8c2 Min. pwr dens.		C8e C/N ratio	
1	AR11/A	563	1	18M0F9W--	27	-36	13.6	13.6	-49.4	30			
2	AR11/C	2456	2	22M0G7W--	30.6	-42.8	13.6	13.6	-59.8	25			
			3	2M00G7W--	27	-36			-49.4	25			

Assoc. earth station name C10b1 Ctry C10b3 Type C10b5 Geographical coord. C10c1a/C10c1b Cls. / Nat. TC C10c2 Max. iso. gain C10c3 Bmwdth REC-580 C10c4a Ref. pattern C10c4b Rad. diag. C10c4c Coef A Coef B Coef C Coef D Phi1
 Findings 2D Date 13A Conformity with RR 13B1 Provision 13B2 Remarks 13B3 Date of Review
 13C Remarks

BR7a/BR7b Group id. BR14 Special Section BR17 Reason for C8c/C8e absent
 C4a Class of station C3a Assigned freq. band C5a Noise temperature
 C4b Nature of service C6a Polarization type C6b Polarization angle C8d/C8g Max. pwr C11a2 Service area C11a3 Service area diagram
 C11a1 Service area no.

A5/A6 Coordination R
 A2a Date of bringing into use A2b Period of valid. A3a Op. agency A3b Adm. resp. BR16 Value of type C8b BR17 Reason for C8c/C8e absent
 13.761 G 13.789 G C2a Assigned frequency

SECTION ESPECIAL / SPECIAL SECTION / SECCION ESPECIAL

M A1a Space station USA A1f Notifying adm. BR1 Date of receipt 09.12.2001 BR20/BR21 IFIC no./part /
 BR6a/BR6b Id. no. 101520094 94520094 BR3a/BR3b Provision reference S9.6 C BR2 Adm. serial no. KGR R

C2a Assigned frequency 13.752 G 13.998 G 14.002 G 14.498 G

A13 Ref. to Special Sections		C7a Design. of emission	C8a1/C8b1 Max. peak pwr	C8a2/C8b2 Max. pwr dens.	C8c1 Min. peak pwr	C8c2 Min. pwr dens.	C8e C/N ratio
1	AR11/A	563	-18	-78	-18	-78	13.8
2	AR11/C	2456					

Assoc. earth station name	C10b1 Ctry	C10b3 Type	C10b5 Geographical coord.	C10c1a/C10c1b Cls. / Nat.	C10c2 Max. iso. gain	C10c3 Bmwidth	C10c4a Ref. pattern	C10c4b Rad. diag.	C10c4c					
				1 TK 2 TD	54.4	0.31 REC-580			Coef A	Coef B	Coef C	Coef D	Phi1	
TT&C K4.5 METER		T												

Findings 2D Date 13A Conformity with RR 13B1 Provision 13B2 Remarks 13B3 Date of Review
 13C Remarks

A B1a/B1b Beam designation KGR B2 Emi-Rcp E B3a1/B3b1/B3b2a Max. ant. gain 44 B3d Pointing accuracy 0.1

B3a2/B3b2b Ant. gain cont. diag. 1 B3f Ant. gain vs orbit long. diag. 2 B3e1 Rad. diag. B3e2 Ref. pat. B3e3 Coef. A B3e4 Coef. B

BR7a/BR7b Group id. 801 BR14 Special Section C3a Assigned freq. band 50000 C3b Polarization type M C3c Polarization angle C3d/C3g Max. pwr 19.5
 C4a Class of station EC
 C4b Nature of service CP
 C11a1 Service area no. 1 C11a2 Service area C11a3 Service area diagram 1

A5/A6 Coordination 1060 R
 A2a Date of bringing into use 09.12.2006 A2b Period of valid. 20 A3a Op. agency 99 A3b Adm. resp. A BR16 Value of type C8b BR17 Reason for C8c/C8e absent

C2a Assigned frequency		C8a1/C8b1 Max. peak pwr	C8a2/C8b2 Max. pwr dens.	C8c1 Min. peak pwr	C8c2 Min. pwr dens.	C8e C/N ratio
10.975	G	11.075	11.175 G	11.525 G	-13.9	-76.9
11.025	G	11.125	11.475 G	11.675 G	-16.9	-79.9
					-17.5	-94.5
					-18.9	-94.5
					-21.1	-94.5
					-21.2	-94.5
					-31.5	-94.5
					-48.1	-94.5

A13 Ref. to Special Sections		C7a Design. of emission	C8a1/C8b1 Max. peak pwr	C8a2/C8b2 Max. pwr dens.	C8c1 Min. peak pwr	C8c2 Min. pwr dens.	C8e C/N ratio
1	AR11/A	563	5.5	-57.5	-13.9	-76.9	15
2	AR11/C	2456	5.5	-57.5	-16.9	-79.9	15
			19.5	-57.5	-17.5	-94.5	10
			18.1	-57.5	-18.9	-94.5	10
			15.9	-57.5	-21.1	-94.5	10
			10.3	-57.5	-21.2	-94.5	10
			5.5	-57.5	-31.5	-94.5	10
			-11	-57.5	-48.1	-94.5	10

SECTION SPECIALE / SPECIAL SECTION / SECCION ESPECIAL

M A1a Space station [USASAT-26A] A1f Notifying adm. [USA] BR1 Date of receipt [09.12.2001] BR20/BR21 IFIC no./part [/]
 BR6a/BR6b Id. no. [101520094] 94520094 BR3a/BR3b Provision reference [S9.6 C] BR2 Adm. serial no. [/] KGR [E]

C2a Assigned frequency

10.975	G	11.075	G	11.175	G	11.525	G	11.625	G
11.025	G	11.125	G	11.475	G	11.575	G	11.675	G

A13 Ref. to Special Sections

1	AR11/A	563
2	AR11/C	2456

Design. of emission	C7a		C8a1/C8b1		C8a2/C8b2		C8c1		C8c2		C8e	
	Max. peak pwr	Max. pwr dens.	Max. peak pwr	Max. pwr dens.	Max. peak pwr	Min. pwr dens.	Min. pwr dens.	Min. pwr dens.	Min. pwr dens.	Min. pwr dens.	C/N ratio	C/N ratio
1 36M0F9W--	5.5	-57.5	5.5	-57.5	2.4	-60.5	-60.5	15	-60.5	-60.5	15	15
2 18M0F9W--	5.5	-57.5	5.5	-57.5	-0.5	-63.5	-63.5	15	-63.5	-63.5	15	15
3 50M0G7W--	19.5	-57.5	19.5	-57.5	-1.1	-78.1	-78.1	10	-78.1	-78.1	10	10
4 36M0G7W--	18.1	-57.5	18.1	-57.5	-2.5	-78.1	-78.1	10	-78.1	-78.1	10	10
5 22M0G7W--	15.9	-57.5	15.9	-57.5	-4.7	-78.1	-78.1	10	-78.1	-78.1	10	10
6 6M00G7W--	10.3	-57.5	10.3	-57.5	-10.3	-78.1	-78.1	10	-78.1	-78.1	10	10
7 2M00G7W--	5.5	-57.5	5.5	-57.5	-15.1	-78.1	-78.1	10	-78.1	-78.1	10	10
8 44K0G1D--	-11	-57.5	-11	-57.5	-31.7	-78.1	-78.1	10	-78.1	-78.1	10	10

C10b1 Assoc. earth station name [TYPICAL KI.2 METER] C10b3 Type [T] C10b4 Ctry [/] C10b5 Geographical coord. [/] C10c1a/C10c1b Cls. / Nat. [/] C10c2 Max. iso. gain [41.5] C10c3 Brmwidth [1.39] C10c4a Ref. pattern [REC-580] C10c4b Rad. diag. [/] C10c5 Noise temp. [150] C10c4c Coef A [/] Coef B [/] Coef C [/] Coef D [/] Phif [/]
 Findings [/] 2D Date [/] 13A Conformity with RR [/] 13B1 Provision [/] 13B2 Remarks [/] 13B3 Date of Review [/]
 13C Remarks [/]

BR7a/BR7b Group id. [804] BR14 Special Section [/] C3a Assigned freq. band [50000] C4a Class of station [EC] C4b Nature of service [CP] C6a Polarization type [M] C6b Polarization angle [/] C8d/C8g Max. pwr [19.5] C11a1 Service area no. [1] C11a2 Service area [/] C11a3 Service area diagram [1] A5/A6 Coordination [1060] R [/]

A2a Date of bringing into use [09.12.2006] A2b Period of valid. [20] A3a Op. agency [99] A3b Adm. resp. [A] BR16 Value of type C8b [/] BR17 Reason for C8c/C8e absent [/]

C2a Assigned frequency

10.975	G	11.075	G	11.175	G	11.525	G	11.625	G
11.025	G	11.125	G	11.475	G	11.575	G	11.675	G

A13 Ref. to Special Sections

1	AR11/A	563
2	AR11/C	2456

Design. of emission	C7a		C8a1/C8b1		C8a2/C8b2		C8c1		C8c2		C8e	
	Max. peak pwr	Max. pwr dens.	Max. peak pwr	Max. pwr dens.	Max. peak pwr	Min. pwr dens.	Min. pwr dens.	Min. pwr dens.	Min. pwr dens.	Min. pwr dens.	C/N ratio	C/N ratio
1 36M0F9W--	5.5	-57.5	5.5	-57.5	5.5	-57.5	-57.5	5.5	-57.5	-57.5	14.5	14.5
2 18M0F9W--	5.5	-57.5	5.5	-57.5	3	-59.9	-59.9	3	-59.9	-59.9	15	15
3 50M0G7W--	19.5	-57.5	19.5	-57.5	2.5	-74.5	-74.5	2.5	-74.5	-74.5	10	10
4 36M0G7W--	18.1	-57.5	18.1	-57.5	1	-74.5	-74.5	1	-74.5	-74.5	10	10
5 22M0G7W--	15.9	-57.5	15.9	-57.5	-1.1	-74.5	-74.5	-1.1	-74.5	-74.5	10	10
6 6M00G7W--	10.3	-57.5	10.3	-57.5	-6.7	-74.5	-74.5	-6.7	-74.5	-74.5	10	10
7 2M00G7W--	5.5	-57.5	5.5	-57.5	-11.5	-74.5	-74.5	-11.5	-74.5	-74.5	10	10
8 44K0G1D--	-11	-57.5	-11	-57.5	-28.1	-74.5	-74.5	-28.1	-74.5	-74.5	10	10

SECTION SPECIALE/SPECIAL SECTION/SECCION ESPECIAL

M A1a Space station A1f Notifying adm. BR1 Date of receipt BR20/BR21 IFC no./part / E
 BR6a/BR6b Id. no. 94520094 BR3a/BR3b Provision reference C BR2 Adm. serial no.

10.952	G	11.198	G	11.452	G	11.698	G	C2a Assigned frequency			
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A13 Ref. to Special Sections		C7a Design. of emission		C8a1/C8b1 Max. peak pwr		C8a2/C8b2 Max. pwr dens.		C8c1 Min. peak pwr		C8c2 Min. pwr dens.		C8e C/N ratio	
1	AR11/A	563	144KG9D--	-10	-61.6	-10	-61.6	-10	-61.6	-63	-63	36.9	
2	AR11/C	2456	200KG8X--	-10	-63	-10	-63	-10	-63	-63	-63	35.4	
3			200KG9D--	-10	-63	-10	-63	-10	-63	-63	-63	35.4	

C10b1 Assoc. earth station name		C10b4 Ctry	C10b5 Geographical coord.	C10c1a/C10c1b Cls. / Nat.	C10c2 Max. iso. gain	C10c3 Bmwdth	C10c4a Ref. pattern	C10c4b Rad. diag.	C10c5 Noise temp.	C10c4c			Phi1
TT&C K4.5 METER		T		1 TR OT 2 TK OT	52.9	0.37	REC-580		150	Coef A	Coef B	Coef C	Coef D

Findings 2D Date 13A Conformity with RR 13B1 Provision 13B2 Remarks 13B3 Date of Review

BR7a/BR7b Group id. BR14 Special Section
 C4a Class of station C3a Assigned freq. band
 C4b Nature of service C6a Polarization type C6b Polarization angle C8d/C8g Max. pwr
 C11a1 Service area no. C11a2 Service area C11a3 Service area diagram

A5/A6 Coordination R
 A2a Date of bringing into use A2b Period of valid. A3a Op. agency A3b Adm. resp. BR16 Value of type C8b BR17 Reason for C8c/C8e absent

10.952	G	11.198	G	11.452	G	11.698	G	C2a Assigned frequency			
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A13 Ref. to Special Sections		C7a Design. of emission		C8a1/C8b1 Max. peak pwr		C8a2/C8b2 Max. pwr dens.		C8c1 Min. peak pwr		C8c2 Min. pwr dens.		C8e C/N ratio	
1	AR11/A	563	144KG9D--	-10	-61.6	-10	-61.6	-10	-61.6	-63	-63	41.9	
2	AR11/C	2456	200KG9D--	-10	-63	-10	-63	-10	-63	-63	-63	40.4	
3			25KON0N--	-10	-54	-10	-54	-10	-54	-54	-54	49.5	

C10b1 Assoc. earth station name		C10b4 Ctry	C10b5 Geographical coord.	C10c1a/C10c1b Cls. / Nat.	C10c2 Max. iso. gain	C10c3 Bmwdth	C10c4a Ref. pattern	C10c4b Rad. diag.	C10c5 Noise temp.	C10c4c			Phi1
TYPICAL K8.0 METER		T		1 TK CP	57.9	0.21	REC-580		150	Coef A	Coef B	Coef C	Coef D

Findings 2D Date 13A Conformity with RR 13B1 Provision 13B2 Remarks 13B3 Date of Review

NOTES DE L'ADMINISTRATION**NOTE 1**Faisceau KGR

La couverture de l'antenne est en fait assurée par plusieurs faisceaux orientables pouvant être pointés vers un point visible quelconque de la Terre.

NOTE 2

Pour faire en sorte que toutes les émissions Espace-vers-Terre satisfassent aux limites de puissance surfacique indiquées dans l'Article S21 du Règlement des Radiocommunications, on procédera comme suit sur la Règle de Procédure du Comité du Règlement des radiocommunications et son annexe concernant le numéro S21.16 (édition 1998).

NOTES BY THE ADMINISTRATION**NOTE 1**Beam KGR

The antenna coverage actually consists of multiple steerable beams that can be pointed to any part of the visible Earth.

NOTE 2

All Space-to-Earth transmissions will comply with the PFD limits in Article S21 of the Radio Regulations using the technique in the Radio Regulations Board Rule of Procedure and its annex concerning No. S21.16 (1998 edition).

NOTAS DE LA ADMINISTRACIÓN**NOTE 1**Hace KGR

En realidad, la cobertura de la antena consiste en una serie de haces orientables que pueden ser dirigidos a cualquier lugar visible de la Tierra.

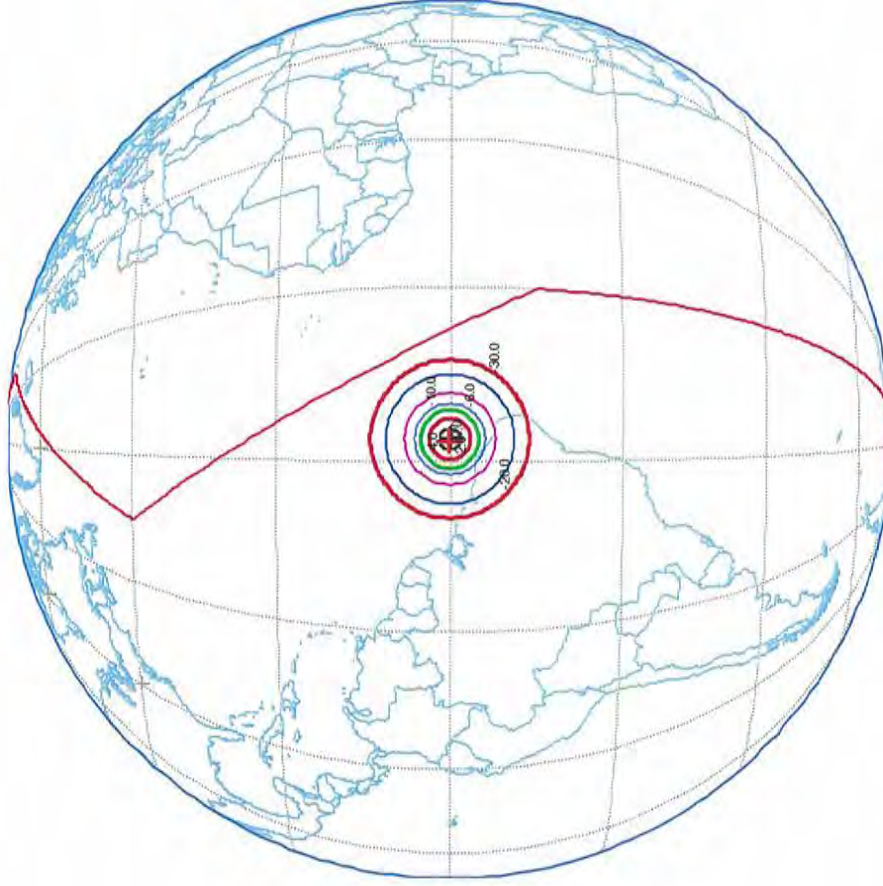
NOTE 2

Las transmisiones Espacio-Tierra deben satisfacer los límites de densidad de flujo de potencia que figuran en el Artículo S21 del Reglamento de Radiocomunicaciones utilizando la técnica en la Regla de procedimiento de la Junta del Reglamento de Radiocomunicaciones y su anexo con respecto al número S21.16 (edición 1998).

Figure / Figura 1

ZONE DE SERVICE ET CONTOURS DE GAIN DE L'ANTENNE DE RECEPTION DE LA STATION SPATIALE
SPACE STATION TRANSMITTING AND RECEIVING ANTENNA GAIN CONTOURS AND SERVICE AREA
ZONA DE SERVICIO Y CONTORNOS DE GANANCIA DE LA ANTENA RECEPTORA DE LA ESTACION ESPACIAL

USASAT-26A (37.5° W)
Faisceau/Beam/Haz: KGR
Gmax: 44.0 dBi

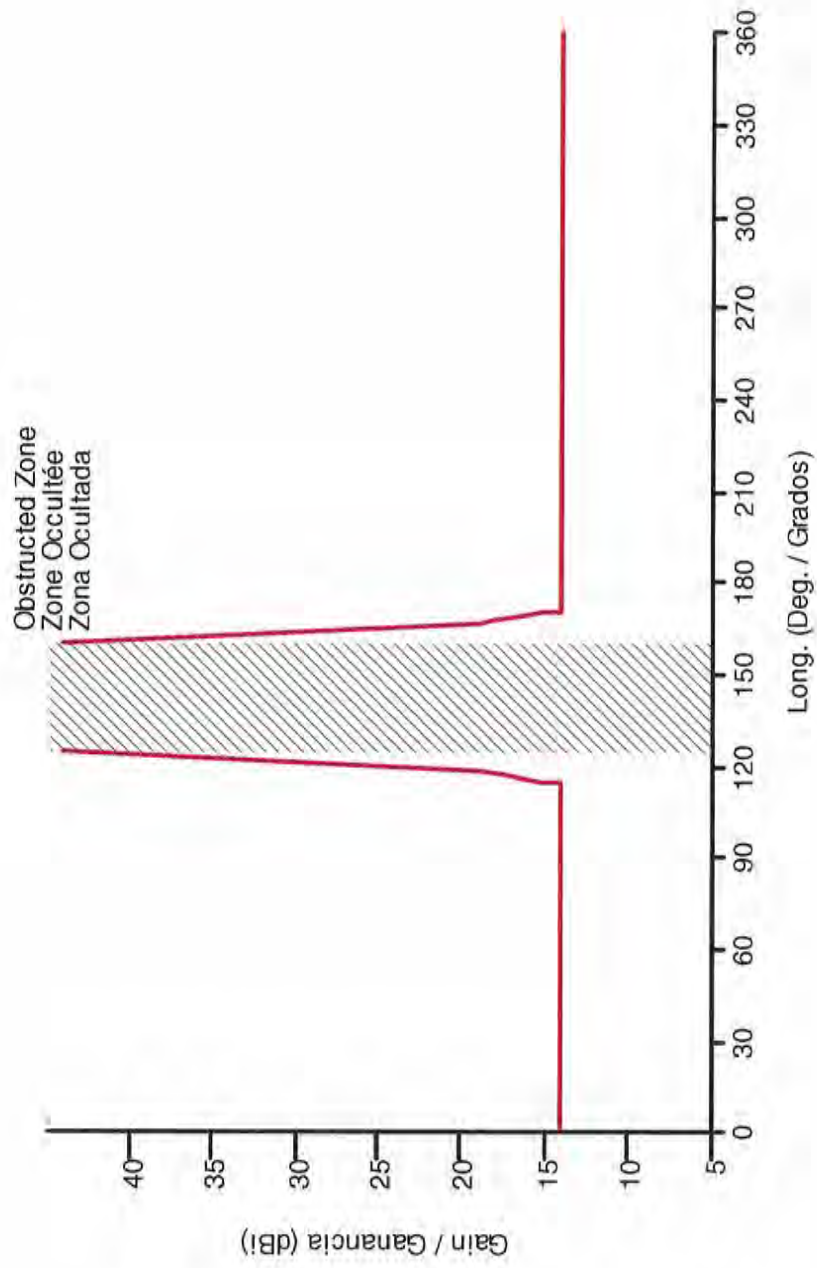


Zone de service/Service area/Zona de servicio: GLOBAL (No. 01)

Figure / Figura 2

GAIN ESTIME DE L'ANTENNE DE RECEPTION DE LA STATION SPATIALE DANS LA DIRECTION DE L'ORBITE DES SATELLITES GEOSTATIONNAIRES
ESTIMATED GAIN OF THE SPACE STATION TRANSMITTING AND RECEIVING ANTENNA IN THE DIRECTION OF THE GEOSTATIONARY SATELLITE ORBIT
GANANCIA ESTIMADA DE LA ANTENA RECEPTORA DE LA ESTACION ESPACIAL EN EL SENTIDO DE LA ORBITA DE LOS SATELITES GEOESTACIONARIOS

USASAT-26A (37.5° W)
Faisceau/Beam/Haz: KGR



OBSERVATIONS DU BUREAU DES RADIOCOMMUNICATIONS

Relatives aux modifications figurant dans la présente publication

Cette demande de coordination concerne la modification suivante aux caractéristiques du réseau à satellite :

Faisceaux supplémentaires : KGR

Notes:

- 1) Veuillez vous reporter à la Lettre circulaire No. 902 du 25 mai 1992 pour une description du Système de Réseaux Spatiaux (SNS).
2) Pour un faisceau modifié, l'indicateur "M" précède le point B1.
3) Pour un groupe modifié, l'indicateur "M" précède le point C4a.
4) Pour un faisceau ou un groupe de faisceaux supplémentaire(s), l'indicateur "A" précède le point correspondant mentionné aux notes 2 et 3 ci-dessus.
- 5) Afin de permettre de visualiser pleinement le ou les faisceau(x) modifié(s), tous les groupes d'assignations de fréquence (y compris les groupes non-modifiés qui ont fait l'objet de publications antérieures) relatifs à ce faisceau sont publiés dans la présente Section spéciale.
- 6) Les lettres-circulaires CR/58 (21.10.96) et CR/65 (22.11.96) fournissent des explications détaillées concernant les renseignements relatifs à l'Appendice S4

RADIOCOMMUNICATION BUREAU COMMENTS

Relating to the modifications contained in this publication

This request for coordination concerns the following modification to the satellite network's characteristics:

Additional beams : KGR

Notes:

- 1) Please refer to Circular-Letter No. 902 of 25 May 1992 for a description of the Space Network System (SNS).
2) For a modified beam, indicator "M" precedes item B1.
3) For a modified group, indicator "M" precedes item C4a.
4) For an additional beam or group of frequency assignments, indicator "A" precedes the corresponding item mentioned in notes 2 and 3 above.
- 5) To permit complete visualization of the modified beam(s), all the groups of frequency assignments (including previously published unmodified groups of frequency assignments) pertaining to the beam are published in this Special Section.
- 6) Circular-Letters CR/58 (21.10.96) and CR/65 (22.11.96) provide detailed explanations regarding the information requirements of Appendix S4 to the Radio Regulations.

OBSERVACIONES DE LA OFICINA DE RADIOCOMUNICACIONES

Relativas a las modificaciones contenidas en esta publicación

Esta solicitud de coordinación concierne la modificación siguiente a las características de la red de satélite:

Haces adicionales : KGR

Notes:

- 1) En la carta circular N° 902 del 25 de mayo de 1992 figura una descripción del Sistema de Redes Espaciales (SNS).
2) En el caso de un haz modificado, el indicador "M" precede al punto B1.
3) En el caso de un grupo modificado, el indicador "M" precede al punto C4a.
4) En el caso de un haz o grupo de asignaciones de frecuencia adicional, el indicador "A" precede al punto correspondiente mencionado en las notas 2 y 3.
- 5) Para poder visualizar completamente el haz o los haces modificados, todos los grupos de asignaciones de frecuencia (incluidos los grupos no modificados publicados anteriormente) pertenecientes al haz o los haces se publican en esta Sección Especial.
- 6) Las cartas circulares CR/58 (21.10.96) y CR/65 (22.11.96) dan informaciones detalladas relativas a las informaciones del Apéndice S4 del Reglamento de Radiocomunicaciones.

Relatives aux observations des
administrations concernant cette
demande de coordination

Toute la correspondance relative à cette
demande de coordination doit être
adressée (avec copie au Bureau des
radiocommunications) à:

Relating to comments administrations
may have on this coordination request

All correspondence regarding this request
for coordination is to be addressed (with
copy to the Radiocommunication Bureau)
to:

Relativas a las observaciones de las
administraciones sobre esta solicitud de
coordinación

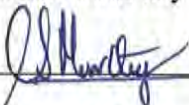
Toda la correspondencia relativa a la
presente solicitud de coordinación debe
ser enviada (con copia a la Oficina de
Radiocomunicaciones) a:

**FEDERAL COMMUNICATIONS
COMMISSION
INTERNATIONAL BUREAU
ATTENTION: MR. RICHARD B.
ENGELMAN
445, 12TH STREET, S.W.
WASHINGTON, DC 20554
UNITED STATES OF AMERICA
TELEFAX: +1 202 418 1208/ 418 0398
TELEX: 025 VIA TWX 7108220160**

Engineering Certification

I hereby certify that I am the technically qualified person responsible for preparation of the engineering information contained in this exhibit of Loral CyberStar, Inc.; that I am familiar with Parts 21 and 25 of the Commission's rules; that I have either prepared or reviewed the engineering information contained in the underlying application; and that it is complete and accurate to the best of my knowledge.

Dated the 20th day of November 2001

By:  _____

Sundaram C. Moorthy
Vice President, Satellite and Spectrum Development
Loral Skynet®¹

¹ Skynet is a registered trademark of Loral SpaceCom Corporation

Exhibit 1