1.1 Introduction

The currently authorized Loral CyberStar replacement satellite at 37.5°W.L. would operate in the Ku-Band in the 14.0–14.5 GHz uplink frequency range and in the 11.45–11.7 GHz, 11.7–12.2 GHz and the 12.5–2.75 GHz downlink frequency ranges. The current authorization also includes four regional beams covering Europe (EU), Africa (AF), North America (NA), and South America (SA). This Exhibit describes the changes to the satellite design and the consequences thereof of adding the 13.75–14.0 GHz uplink frequency band as well as the 10.95–11.2 GHz downlink frequency band.

1.2 Revised Channelization Plan

The revised Ku-band payload for the four regional beam coverage areas provides a total of 44 transponders with 54 MHz usable bandwidth instead of the 32transponders in the original design. The majority of the transponders are dedicated to intra-beam traffic, with the remaining transponders being switchable between beams. Eight transponders are dedicated to the North America (NA) beam, eight transponders are dedicated to the South America (SA) beam, twelve transponders are dedicated to the Europe (EU) beam, and four transponders are dedicated to the Africa (AF) beam. The remaining transponders are individually switchable among the beams in the following fashion. Four of the transponders are switchable between the NA and the SA beams; four are switchable between the EU and the AF beams; and four are switchable between the SA and the EU beams. The switching is performed individually. Table 1.2-1 summarizes how the transponders are distributed among the beams.

Table 1.2-1. Transponder Summary

Beam	# of Dedicated Transponders	Maximum # of Switchable Transponders (Total constrained to 12 across all beams)
North America (NA)	8	4
South America (SA)	8	8
Europe (EU)	12	8
Africa (AF)	4	4

Table 1.2-2 indicates how the uplink and downlink spectrum is distributed among the beams. Spatial isolation is used to obtain uplink frequency re-use between the NA and EU beams as well as between the SA and AF beams. Orthogonal polarization is used to obtain additional frequency re-use in all the beams.

Table 1.2-2. Uplink and Downlink Frequency Ranges

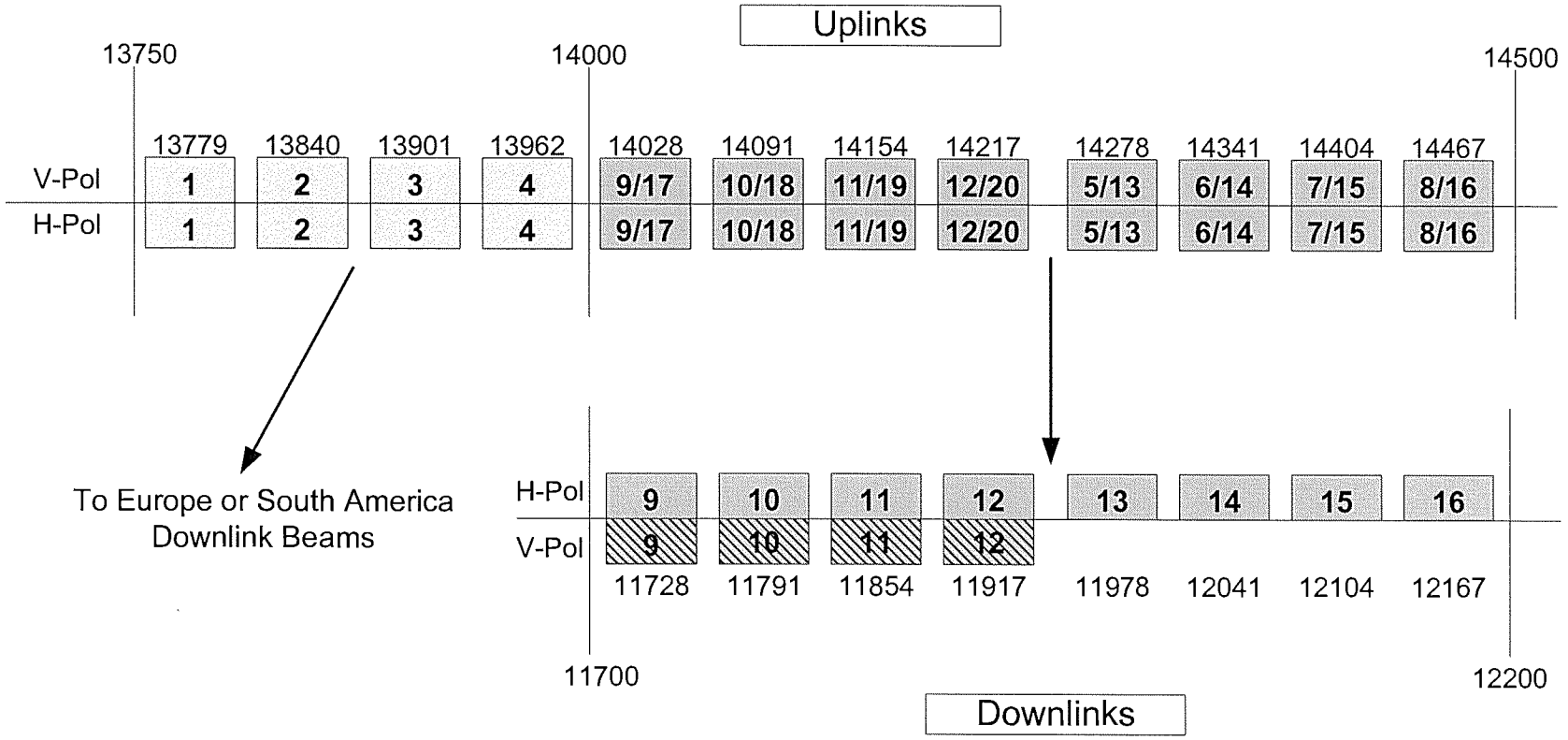
Beam	Uplink Frequency Range (GHz)	Downlink Frequency Range (GHz)
North America	13.75–14.50	11.70–12.20
South America	14.00–14.50	10.95–11.20, 11.70–12.20
Europe	13.75–14.50	10.95–11.20, 11.45–11.70, 12.50–12.75
Africa	14.00–14.50	11.45–11.70, 12.50–12.75

For the spacecraft uplinks, the 13.75–14.50 GHz band, which includes both standard and extended Ku-band, is available to the North America and Europe beams. The 14.00–14.50 GHz band, standard Ku-band, is available to the South America and Africa uplink beams.

The North America downlinks occupy only 11.70–12.20 GHz; the South America downlinks occupy 10.95–11.20 GHz and 11.70–12.20 GHz; the Europe downlinks occupy 10.95–11.20 GHz, 11.45–11.70 GHz, and 12.50–12.75 GHz; and the Africa downlinks occupy 11.45–11.70 GHz and 12.50–12.75 GHz.

Figures 1.2-1 through 1.2-4 depict the uplink and downlink frequency plans for the beams. The figures show the center frequency and polarization for each uplink and downlink channel. All transponders have a usable bandwidth of 54 MHz. Four of the transponders are switchable between the North and South America beams; four are switchable between the Europe and Africa beams; and four are switchable between South America and Europe beams. The switching is performed individually.

The satellite payload is designed to provide full uplink-downlink connectivity among the four beams, and Table 1.2-3 provides the connectivity possibilities for each transponder.



Indicates transponder is switchable between North and South America beams

Figure 1.2-1. Frequency Plan for North America Beam

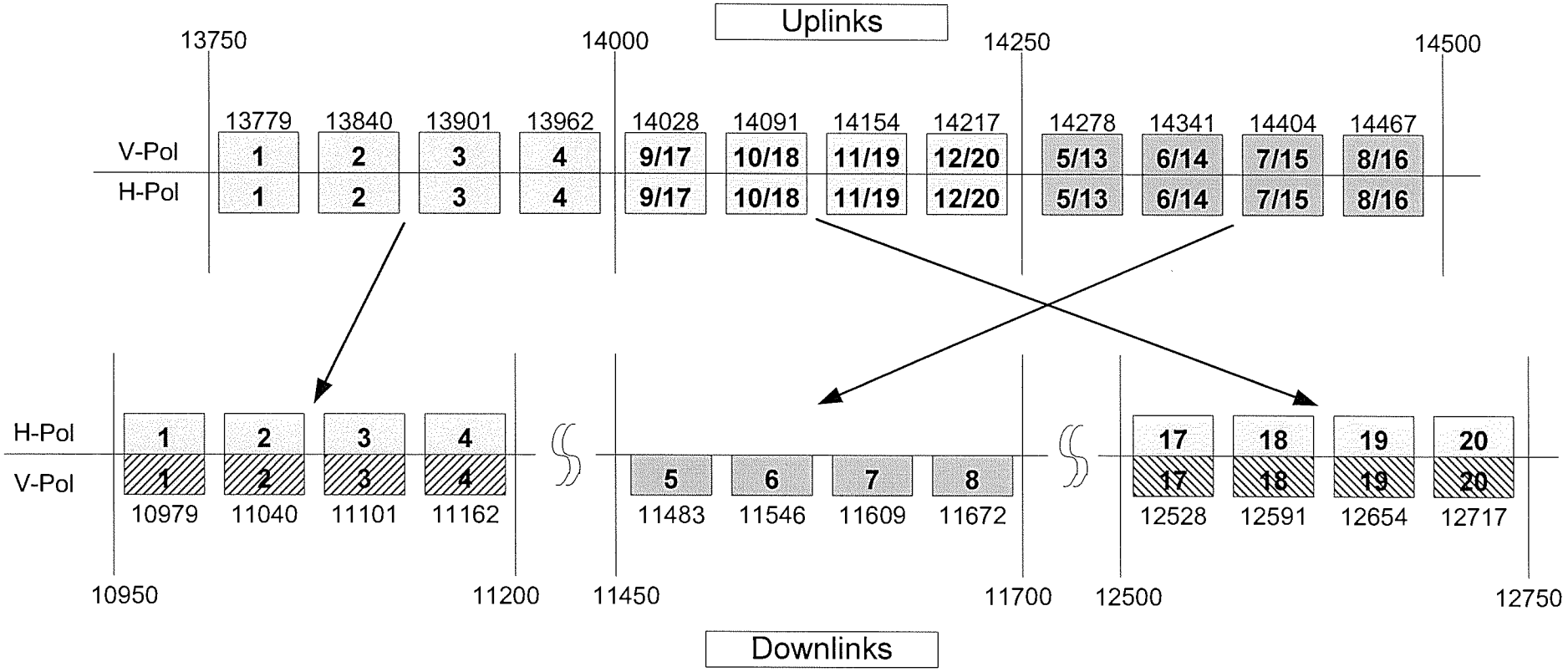


Figure 1.2-2. Frequency Plan for Europe Beam

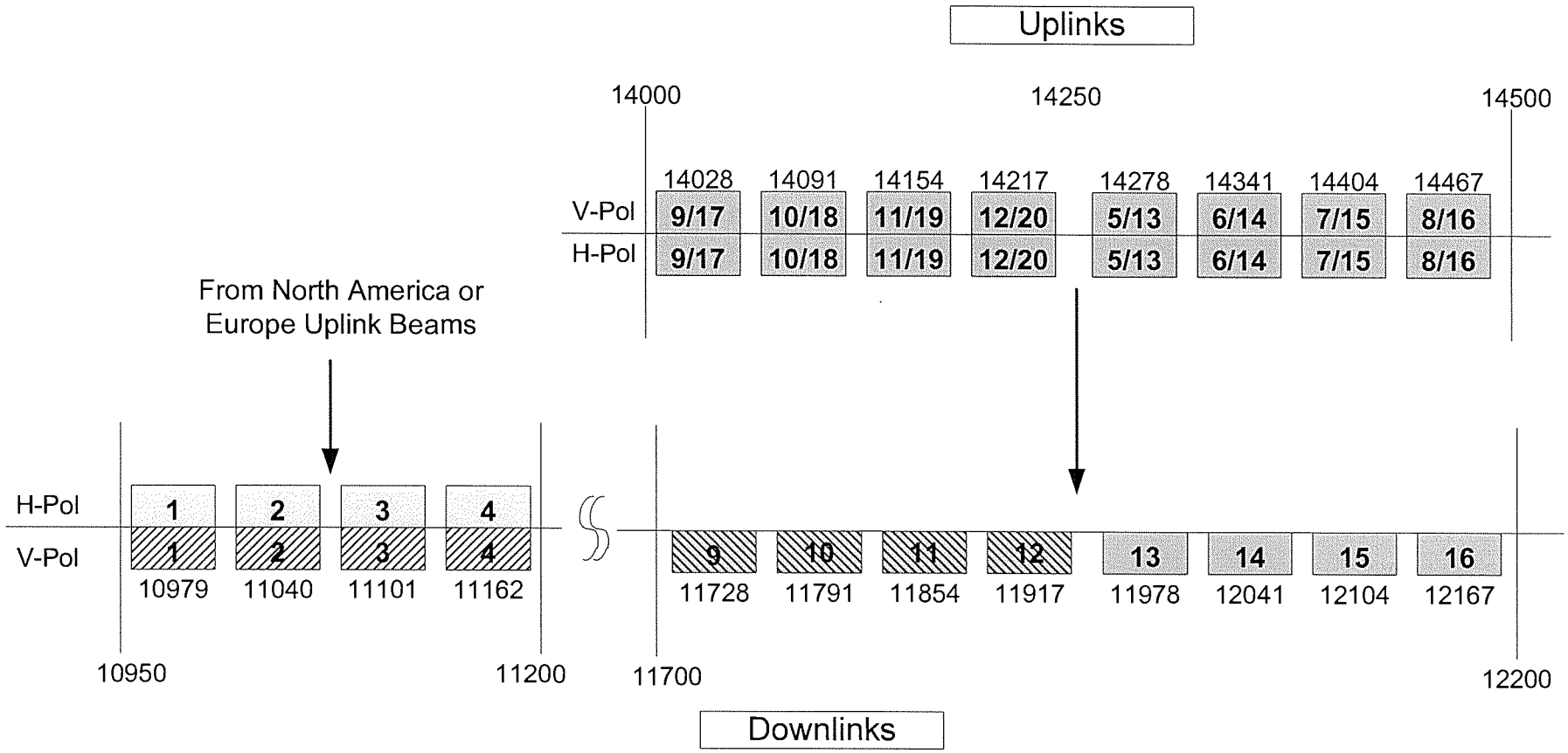


Figure 1.2-3. Frequency Plan for South America Beam

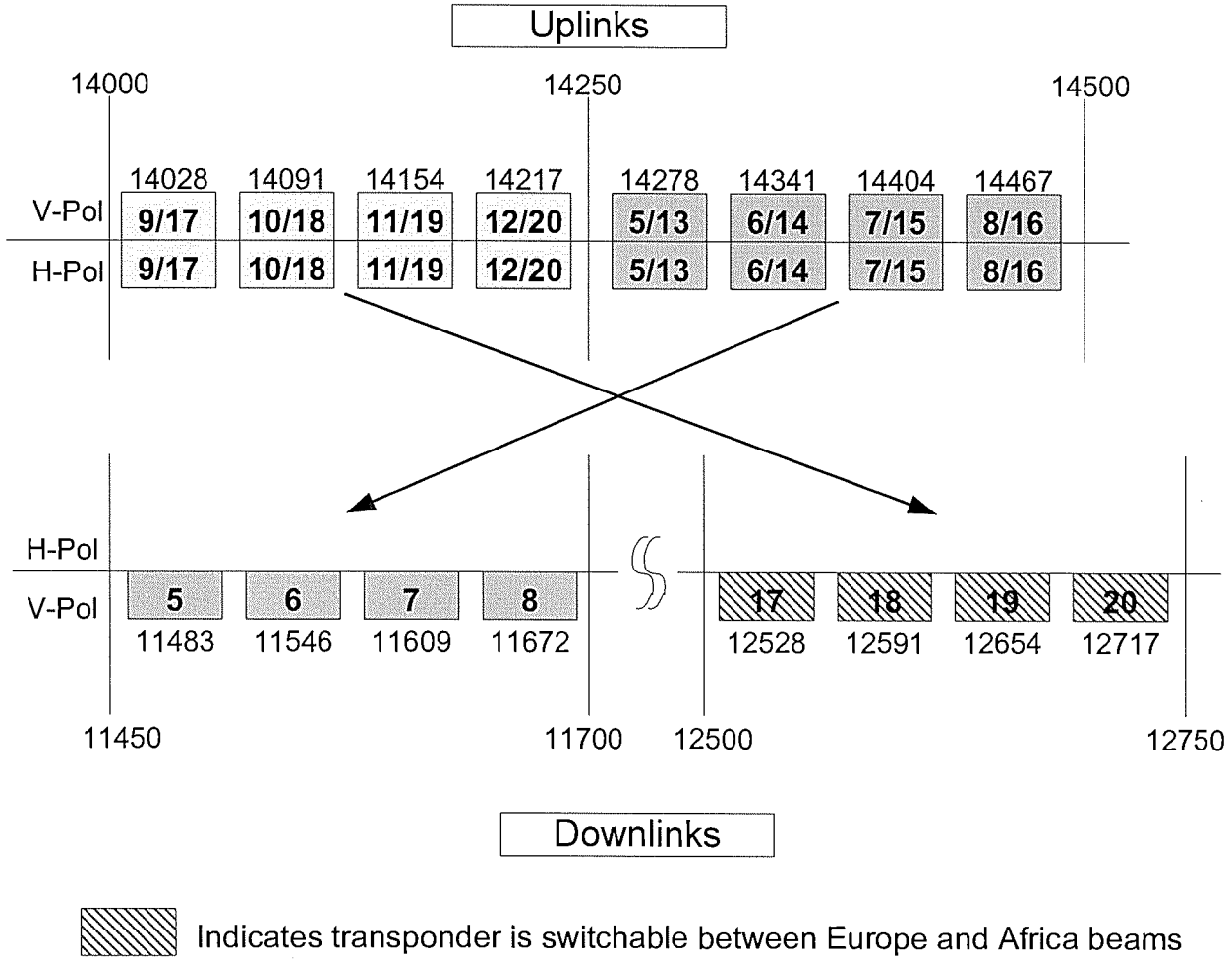


Figure1. 2-4. Frequency Plan for Africa Beam

Table 1.2-3. Connectivity Summary For the Spacecraft

Xpndr #	Chann & D/L Pol	Uplink Beams				Downlink Beams			
		NA	EUR	SA	AFR	NA	EUR	SA	AFR
1	9H	S	S	S	S	F	-	-	-
2	10H	S	S	S	S	F	-	-	-
3	11H	S	S	S	S	F	-	-	-
4	12H	S	S	S	S	F	-	-	-
5	13H	S	S	S	S	F	-	-	-
6	14H	S	S	S	S	F	-	-	-
7	15H	S	S	S	S	F	-	-	-
8	16H	S	S	S	S	F	-	-	-
9	9V	S	S	S	S	S	-	S	-
10	10V	S	S	S	S	S	-	S	-
11	11V	S	S	S	S	S	-	S	-
12	12V	S	S	S	S	S	-	S	-
13	1H	S	S	-	-	-	F	-	-
14	2H	S	S	-	-	-	F	-	-
15	3H	S	S	-	-	-	F	-	-
16	4H	S	S	-	-	-	F	-	-
17	17H	S	S	S	S	-	S	-	-
18	18H	S	S	S	S	-	S	-	-
19	19H	S	S	S	S	-	S	-	-
20	20H	S	S	S	S	-	S	-	-
21	1V	S	S	-	-	-	S	S	-
22	2V	S	S	-	-	-	S	S	-
23	3V	S	S	-	-	-	S	S	-
24	4V	S	S	-	-	-	S	S	-
25	5V	S	S	S	S	-	F	-	-
26	6V	S	S	S	S	-	F	-	-
27	7V	S	S	S	S	-	F	-	-
28	8V	S	S	S	S	-	F	-	-
29	17V	S	S	S	S	-	S	-	S
30	18V	S	S	S	S	-	S	-	S
31	19V	S	S	S	S	-	S	-	S
32	20V	S	S	S	S	-	S	-	S
33	1H	S	S	-	-	-	-	F	-
34	2H	S	S	-	-	-	-	F	-
35	3H	S	S	-	-	-	-	F	-
36	4H	S	S	-	-	-	-	F	-
37	13V	S	S	S	S	-	-	F	-
38	14V	S	S	S	S	-	-	F	-
39	15V	S	S	S	S	-	-	F	-
40	16V	S	S	S	S	-	-	F	-
41	5V	S	S	S	S	-	-	-	F
42	6V	S	S	S	S	-	-	-	F
43	7V	S	S	S	S	-	-	-	F
44	8V	S	S	S	S	-	-	-	F

1.3. Power Flux Density and Energy Dispersal Considerations

The original analysis of power flux density (PFD) levels for the transponders showed that the spacecraft emissions will be compliant with the ITU requirements with ample margin, and this compliance will be maintained, since the expected operation of this group of transponders has not changed.

The additional 54-MHz transponders in the Europe and South America beams, which operate in the 10.95–11.20 GHz frequency range, will also be compliant with the ITU requirements (and of CFR 47 § 25.208) with ample margin. Tables 1.3-1 through 1.3-4 provide the maximum expected PFD levels of FM TV and digital carriers at the beam peak and the 5° elevation angle, for the EU and the SA beams. In addition, Loral CyberStar will take the necessary steps, including operating transponders at appropriate levels of backoff, to ensure that the spacecraft emissions are compliant with all applicable ITU and FCC regulations.

Table 1.3-1. PFD Levels for the Europe Beam at the Beam Peak

PFD for Elev Angle >= 25° (Beam Peak) for the EUROPE BEAM (10.95-11.20 GHz)				
	FM TV[1]	Wideband Digital	Multi-Carrier Digital	Narrowband Digital
Data Rate (Mbps)	N/A	60	1.54	0.064
Carriers per Transponder	1	1	31	500
Max EIRP / Carrier (dBW)	40.8	54.9	38.3	26.3
Spreading factor(dB)	-162.7	-162.7	-162.7	-162.7
Energy Dispersal (dB-Hz)	-63	-77	-61.1	-49.2
Conversion to 4 kHz (dB)	36	36	36	36
PFD (dBW/m^2/4 kHz)	-148.9	-148.8	-149.5	-149.6
PFD (dBW/m^2/4 kHz)	-140.0	-140.0	-140.0	-140.0
Margin (dB)	8.9	8.8	9.5	9.6

Table 1.3-2. PFD Levels for the Europe Beam at the 5° Elevation Angle

PFD for Elev Angle <= 5° (-2 dB Contour) for the EUROPE BEAM (10.95-11.20 GHz)				
	FM TV[1]	Wideband Digital	Multi-Carrier Digital	Narrowband Digital
Data Rate (Mbps)	N/A	60	1.54	0.064
Carriers per Transponder	1	1	31	500
Max EIRP / Carrier (dBW)	38.8	52.9	36.3	24.3
Spreading factor(dB)	-163.2	-163.2	-163.2	-163.2
Energy Dispersal (dB-Hz))	-63	-77	-61.1	-49.2
Conversion to 4 kHz (dB)	36	36	36	36
PFD (dBW/m^2/4 kHz)	-151.4	-151.3	-152.0	-152.1
PFD (dBW/m^2/4 kHz)	-150.0	-150.0	-150.0	-150.0
Margin (dB)	1.4	1.3	2.0	2.1

Table 1.3-3. PFD Levels for the South America Beam at the Beam Peak

PFD for Elev Angle >= 25° (Beam Peak) for the SOUTH AMERICA BEAM (10.95-11.20 GHz)				
	FM TV[2]	Wideband Digital	Multi-Carrier Digital	Narrowband Digital
Data Rate (Mbps)	N/A	60	1.54	0.064
Carriers per Transponder	1	1	31	500
Max EIRP / Carrier (dBW)	45.3	52.4	35.8	23.8
Spreading factor(dB)	-162.7	-162.7	-162.7	-162.7
Energy Dispersal (dB-Hz)	-63	-77	-61.1	-49.2
Conversion to 4 kHz (dB)	36	36	36	36
PFD (dBW/m^2/4 kHz)	-144.4	-151.3	-152.0	-152.1
PFD (dBW/m^2/4 kHz)	-140.0	-140.0	-140.0	-140.0
Margin (dB)	4.4	11.3	12.0	12.1

Table 1.3-4. PFD Levels for the South America Beam at the 5° Elevation Angle

PFD for Elev Angle <= 5° (-6 dB Contour) for the SOUTH AMERICA BEAM (10.95-11.20 GHz)				
	FM TV[2]	Wideband Digital	Multi-Carrier Digital	Narrowband Digital
Data Rate (Mbps)	N/A	60	1.54	0.064
Carriers per Transponder	1	1	31	500
Max EIRP / Carrier (dBW)	39.3	46.4	29.8	17.8
Spreading factor(dB)	-163.2	-163.2	-163.2	-163.2
Energy Dispersal (dB-Hz))	-63	-77	-61.1	-49.2
Conversion to 4 kHz (dB)	36	36	36	36
PFD (dBW/m^2/4 kHz)	-150.9	-157.8	-158.5	-158.6
PFD (dBW/m^2/4 kHz)	-150.0	-150.0	-150.0	-150.0
Margin (dB)	0.9	7.8	8.5	8.6

1.4. Spacecraft Characteristics

The major characteristics of the spacecraft are given in Table 1.4-1 below. The characteristics reflect the increase in the number of Ku-band transponders from 32 to 44 and the removal of the C-band payload.

Table 1.4-1 Spacecraft Characteristics

Parameter	Characteristics
Spacecraft stabilization:	
Transfer Orbit	3-axis stabilized
On-station	3-axis stabilized
Mission life	15 years
Reliability:	75% of achieving full performance at end of life
Station keeping accuracy	±0.05° E-W and N-S
Antenna pointing accuracy	±0.05° normal
	±0.1° during station keeping maneuver
Eclipse capability	100%
Mass summary:	
Spacecraft dry mass	1850 kg
Propellant	2450 kg
Launch mass	4330 kg
Power summary:	
Spacecraft requirement	9630 W
Solar Array at EOL	10200 W
Solar Array at BOL	11950 W
Dimension:	
Spacecraft platform	Approx. 2.2 m x 2.2 m x 2.4 m
Solar array wing span	Approx. 26 m

A detailed breakdown of the satellite's mass and power budgets are given in Tables 1.4-2 and 1.4-3 below.

Table 1.4-2Spacecraft Mass Budget Summary

Parameter	Mass
Spacecraft dry mass:	1880 kg
Communications payload	400 kg
TT&C	50 kg
AOCS	130 kg
Structure	290 kg
Mechanism	50 kg
Propulsion	140 kg
Power (Solar array and batteries	540 kg
Thermal	180 kg
Others	100 kg
Propellant and pressurant	2450 kg
Total mass:	4330 kg

1.4-3 Spacecraft Power Budget Summary

Parameter	Power
Subsystem:	
Communication payload	7600 W
TT&C	230 W
Attitude & orbit control	50 W
Thermal (Equinox)	720 W
Battery charging	830 W
Other	370 W
Total requirement:	9800 W
Solar array power capability:	
Beginning-of-life (BOL)	11950 W
End-of-life (EOL)	10200 W
Margin at EOL:	400 W

Exhibit 2

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Bedminster, NJ 07921
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November 20, 2001

Subject: Appendix S4/VI and Appendix S4/II information for USASAT-26A (37.5° WL)

This letter and the enclosures provides the Appendix S4/VI and Appendix S4/II information for the USASAT-26A Satellite Network (37.5° WL) to be sent to the ITU in connection with the Telstar 11R Modification Application.

The Appendix S4/VI provides the Advanced Publication Information for additional frequency ranges from 13.75 to 14.0 GHz and 10.95 to 11.2 GHz, to modify the Special Section AR11/A/563. Two paper copies of the Appendix S4/VI Space Capture file printout are enclosed with this letter. There is also an electronic copy of the Space Capture file and a WORD document of the Appendix S4/VI file printout on a diskette enclosed with this letter. December 9, 2001 was used as the anticipated Date of Receipt at the ITU.

The Appendix S4/II provides the Request for Coordination Information for a modification of the Special Section AR11/C/2456. Included is a new Beam: KGR for transmitting and receiving. The frequency ranges used in this Beam are from the original AR11/A/563 and the new Appendix S4/VI, described above. This is marked as AR11/C/2456 MOD-2, since an earlier modification to Special Section AR11/C/2456: MOD-1 has already been submitted to the ITU and was received by them on August 28, 2000. Two paper copies of the Appendix S4/VI Space Capture file printout are enclosed with this letter. There is also an electronic copy of the Space Capture file, a WORD document of the Appendix S4/VI file printout and a WORD document of the Space Program Validation Output file on a diskette enclosed with this letter. December 9, 2001 was also used as the anticipated Date of Receipt of this Appendix S4/II at the ITU.

Please contact me, if there are any questions. Thank you.

Cc (Cover Letter Only): Sundaram Moorthy, George Wazeter, Larry Atlas, Stephen Bell, Richard Currier, John Stern, Kasey Chappelle

Enclosures:

1. Two diskettes – one copy for the FCC and one for the ITU, each containing:

A. **The Space Capture mdb files for the Appendix S4/VI (USA26AAPI.mdb) and the Appendix S4/II (USASAT-26A_MOD-2.mdb).**

B. **The Appendix S4/VI (USASAT-26A_AR11-A-563_MOD-1.doc) and the Appendix S4/II (26AMOD2.doc) printouts as WORD documents.**

C. **The associated Beam Diagrams for the Appendix S4/II in GXT format (KUGR.gxt and KUGRGSO.gxt).**

D. **The Space Validation File (USASAT-26A_Validation_Output.doc) for the Appendix S4/II showing zero (0) Fatal Errors and 16 Warnings (which are related to values outside the nominal range deemed appropriate by the ITU Space Validation Program.**

2. Two paper copies of the Appendix S4/VI and the Appendix S4/II, including the Beam Diagrams and associated Notes by the Administration on the steerable KGR Beams and the method to ensure compliance with the PFD limits in ITU Radio Regulations S21.16. (Page 16 of the Appendix S4/II.

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.° **API/A/**
RESEAU(X) A SATELLITE SATELLITE NETWORK(S) RED(ES) DE SATÉLITE **USASAT-26A**	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 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 apropriada.
(véanse las observaciones de la Oficina de Radiocomunicaciones)

X	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
	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 Radiocommunicaciones.

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

Items	Description	Description	Descripción
A1a	Name of the space station	Nom de la station spatiale	Nombre de la estación espacial
A1f	Notifying administration	Administration notificatrice	Administración notificante
A2a	Date of bringing into use	Date de mise en service	Fecha de puesta en servicio
A2b	Period of validity (year)	Période de validité (année)	Periodo de validez (año)
A4a1	Nominal longitude of a geostationary space station (degree)	Longitude nominale d'une station spatiale géostationnaire (degré)	Longitud nominal de una estación espacial geoestacionaria (grado)
A4b1	Angle of inclination of the orbit (degree)	Inclinaison de l'orbite (degré)	Ángulo de inclinación de la órbita (grado)
A4b2	Period (ddd/hh/mm)	Période (jjj/hh/mm)	Periodo (ddd/hh/mm)
A4b3a	Altitude of the apogee (km)	Altitude de l'apogée (km)	Altitud del apogeo (km)
A4b3b	Altitude of the perigee (km)	Altitude du périgée (km)	Altitud del perigeo (km)
A4b4a	Number of satellites	Nombre de satellites	Número de satélites
A4b4b	Reference body	Corps de référence	Cuerpo de referencia
A4b5a	Number of orbital planes	Nombre de plans orbitaux	Número de planos orbitales
C1	Frequency Range	Gamme de fréquences	Gama de frecuencias
C4a	Class of station	Classe de station	Clase de estación
C4b	Nature of service	Nature du service	Naturaleza del servicio
C11a4	Narrative description of the service area	Description détaillée de la zone de service	Descripción detallada de la zona de servicio
BR1	Date of receipt	Date de réception	Fecha de recepción
BR3a	Provision reference code	Code de référence de la disposition	Código de referencia de la disposición
BR6a	Identification number of the network	Numéro d'identification du réseau à satellite	Número de identificación de la red
BR6b	Old identification number of the network	Ancien numéro d'identification du réseau à satellite	Número anterior de la identificación de la red
BR20	IFIC number	Numéro de la IFIC	Número de la IFIC
BR22	Administration remarks	Remarques de l'Administration	Observaciones de la Administración
BR23	Radiocommunication Bureau comments	Observations du Bureau des radiocommunications	Comentarios de la Oficina de Radiocomunicaciones

SECTION SPECIALE / SPECIAL SECTION / SECCION ESPECIAL

API/A/

A | *A1a* Space station: USASAT-26A | *A1f* Notifying adm.: USA | *BR1* Date of receipt: 09.12.2001 | *BR20* IFIC no.:

BR6a/BR6b Id. no.: 101520094 | *BR3a* Provision reference: S9.1/IB

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

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

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:

3. Sections spéciales déjà publiées/ IFIC/ date:

COMMENTS OF RADIOCOMMUNICATION BUREAU RELATING TO THE SPECIAL SECTION NUMBERING

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

—

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:

—

3. Previously published Special Sections/ IFIC/Date:

—

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

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

3. Secciones Especiales ya publicadas/ IFIC/ fecha:

UNION INTERNATIONALE DES TELECOMMUNICATIONS
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INTERNATIONAL TELECOMMUNICATION UNION
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OFICINA DE RADIOCOMUNICACIONES

IFIC / DATE IFIC / DATE IFIC/ FECHA			SECTION SPECIALE Nº SPECIAL SECTION No. SECCIÓN ESPECIAL N.º	**AR11/C/2456 MOD-2**
STATION SPATIALE SPACE STATION ESTACIÓN ESPACIAL	**USASAT-26A**	ou or o	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 apropriada.

[X]

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

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

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).

DEMANDE DE COORDINATION (RR1060) ADRESSEE A REQUEST FOR COORDINATION (RR1060) ADDRESSED TO SOLICITUD DE COORDINACIÓN (RR1060) DIRIGIDA A	
DATE LIMITE POUR LA DECISION (RR1084) : EXPIRY DATE FOR DECISION (RR1084): FECHA LÍMITE PARA LA DECISIÓN (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.

C10a5	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
C10b1	Name of the associated earth station	Nom de la station terrienne associée	Nombre de la estación terrena asociada	59
C10b2	Previous name of the associated earth station	Ancien nom de la station terrienne	Nombre anterior de la estación terrena	
C10b3	Type of associated earth station	Type de station terrienne associée	Tipo de la estación terrena asociada	62
C10b4	Country symbol	Symbole de pays	Símbolo de país	61
C10b5	Geographical coordinates	Coordonnées géographiques	Coordenadas geográficas	63
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C10c1b	Nature of service of the associated earth station	Nature du service de la station terrienne associée	Naturaleza del servicio de la estación terrena asociada	66
C10c2	Isotropic gain of the antenna (dBi)	Gain isotrope de l'antenne (dBi)	Ganancia isótropa de la antenna (dBi)	67
C10c3	Beamwidth (degree)	Ouverture du faisceau (degré)	Abertura del haz (grado)	68
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C10c4c2	Radiation pattern diagram coefficient B	Coefficient B du diagramme de rayonnement	Coeficiente B del diagrama de radiación	
C10c4c3	Radiation pattern diagram coefficient C	Coefficient C du diagramme de rayonnement	Coeficiente C del diagrama de radiación	
C10c4c4	Radiation pattern diagram coefficient D	Coefficient D du diagramme de rayonnement	Coeficiente D del diagrama de radiación	
C10c4c5	Radiation pattern diagram angle	Angle du diagramme de rayonnement	Ángulo del diagrama de radiación	
C10c5	Receiving system noise temperature (Kelvin) of the associated earth station	Température de bruit du système de réception (Kelvin) de la station terrienne associée	Temperatura de ruido del sistema receptor (Kelvin) de la estación terrena asociada	64
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D1a	Serial number of the strap	Numéro de série de la connexion	Número de serie de la conexión	75
D1b	Uplink beam designation	Désignation du faisceau de réception	Designación del haz de recepción	76
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2D	Findings: Date from which an assignment is taken into account according to RR1061-1065 or 2.5 of the procedure in Annex 1 to Resolution 46	Conclusions: Date à partir de laquelle une assignation est prise en compte en accord avec les RR1061-1065 ou 2.5 de la procédure dans l'Annex 1 à la Résolution 46	Conclusiones: Fecha a partir de la cual una asignación es tomada en cuenta de acuerdo con RR1061-1065 ó 2.5 del procedimiento del Anexo 1 a la Resolución 46	
13A	Findings: Conformity with Radio Regulations; Table No. 13A of the preface to the IFL	Conclusions: En conformité avec le Règlement des radiocommunications; Tableau No. 13A de la Préface à la Liste Internationale des Fréquences	Conclusiones: En conformidad con los Reglamentos de radiocomunicaciones; Tabla No.13A del Prefacio a la Lista Internacional de frecuencias	
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	
13B3	Findings: Date relating to the review of the findings	Conclusions: Date relative à un réexamen des conclusions	Conclusiones: Fecha relativa a una revisión de las conclusiones	
13C	Remarks	Observations	Observaciones	47
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 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 | 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:

BR7a/BR7b Group id.: 201 | *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:

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 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	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	*C10b4* Ctry	*C10b3* Type	*C10b5* Geographical coord.	*C10c1a/C10c1b* Cls. / Nat.	*C10c2* Max. iso. gain	*C10c3* Bmwdth	*C10c4a* Ref. pattern	*C10c4b* Rad. diag.		*C10c4c* Coef A	Coef B	Coef C	Coef D	Phi1
TYPICAL K8.0 METER		T		1 TC CP	59.4	0.18	REC-580							

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 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 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.: 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 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	50M0G7W--	33	-44	24	-52.9	25
2	36M0G7W--	31.6	-44	22.6	-52.9	25
3	2M00G7W--	19	-44	10	-52.9	25
4	44K0G1D--	2.4	-44	-6.5	-52.9	25

C10b1 Assoc. earth station name	*C10b4* Ctry	*C10b3* Type	*C10b5* Geographical coord.		*C10c1a/C10c1b* Cls. / Nat.		*C10c2* Max. iso. gain	*C10c3* Bmwdth	*C10c4a* Ref. pattern	*C10c4b* Rad. diag.		*C10c4c* Coef A	Coef B	Coef C	Coef D	Phi1
TYPICAL K0.75 METER		T			1	TC CP	38.9	1.87	REC-580							

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

☐ *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.: 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

13.825	G	13.875	G	13.925	G	13.975	G										

A13 Ref. to Special Sections		
1	AR11/A	563
2	AR11/C	2456

	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	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 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 | R

A13 Ref. to Special Sections		
1	AR11/A	563
2	AR11/C	2456

	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	18M0F9W--	25.6	-37.4	8.6	-54.4	30
2	22M0G7W--	25.6	-47.8	8.6	-64.8	25
3	2M00G7W--	15.2	-47.8	8.6	-54.4	25

C10b1 Assoc. earth station name	*C10b4* Ctry	*C10b3* Type	*C10b5* Geographical coord.		*C10c1a/C10c1b* Cls. / Nat.			*C10c2* Max. iso. gain	*C10c3* Bmwdth	*C10c4a* Ref. pattern	*C10c4b* Rad. diag.		*C10c4c* Coef A	Coef B	Coef C	Coef D	Phi1
TYPICAL K8.0 METER		T			1	TC	CP	59.4	0.18	REC-580							

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

13C Remarks:

BR7a/BR7b Group id.: 208 | *BR14* Special Section:

C4a Class of station: EC | *C3a* Assigned freq. band: 22000 | *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:

C2a Assigned frequency

13.761	G	13.789	G																

A13 Ref. to Special Sections		
1	AR11/A	563
2	AR11/C	2456

	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	18M0F9W--	27	-36	13.6	-49.4	30
2	22M0G7W--	30.6	-42.8	13.6	-59.8	25
3	2M00G7W--	27	-36	13.6	-49.4	25

C10b1 Assoc. earth station name	*C10b4* Ctry	*C10b3* Type	*C10b5* Geographical coord.		*C10c1a/C10c1b* Cls. / Nat.			*C10c2* Max. iso. gain	*C10c3* Bmwdth	*C10c4a* Ref. pattern	*C10c4b* Rad. diag.		*C10c4c* Coef A	Coef B	Coef C	Coef D	Phi1
TYPICAL K4.5 METER		T			1	TC	CP	54.4	0.31	REC-580							

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

13C Remarks:

BR7a/BR7b Group id.: 209 | *BR14* Special Section:

C4a Class of station: EC | *C3a* Assigned freq. band: 6000 | *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 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 | R

C2a Assigned frequency

13.752	G	13.998	G	14.002	G	14.498	G								

A13 Ref. to Special Sections

1	AR11/A	563
2	AR11/C	2456

	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	1M00F9D--	-18	-78	-18	-78	13.8

C10b1 Assoc. earth station name	*C10b4* Ctry	*C10b3* Type	*C10b5* Geographical coord.		*C10c1a/C10c1b* Cls. / Nat.			*C10c2* Max. iso. gain	*C10c3* Bmwdth	*C10c4a* Ref. pattern	*C10c4b* Rad. diag.		*C10c4c* Coef A	Coef B	Coef C	Coef D	Phi1
TT&C K4.5 METER		T			1	TK	OT	54.4	0.31	REC-580							
					2	TD	OT										

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:
C4a Class of station: EC	*C3a* Assigned freq. band: 50000
C4b Nature of service: CP	*C6a* Polarization type: M
C11a1 Service area no.: 1	*C11a2* Service area:

C6b Polarization angle: | *C8d/C8g* Max. pwr: 19.5 | *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

	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	36M0F9W--	5.5	-57.5	-13.9	-76.9	15
2	18M0F9W--	5.5	-57.5	-16.9	-79.9	15
3	50M0G7W--	19.5	-57.5	-17.5	-94.5	10
4	36M0G7W--	18.1	-57.5	-18.9	-94.5	10
5	22M0G7W--	15.9	-57.5	-21.1	-94.5	10
6	6M00G7W--	10.3	-57.5	-21.2	-94.5	10
7	2M00G7W--	5.5	-57.5	-31.5	-94.5	10
8	44K0G1D--	-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

	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	36M0F9W--	5.5	-57.5	2.4	-60.5	15
2	18M0F9W--	5.5	-57.5	-0.5	-63.5	15
3	50M0G7W--	19.5	-57.5	-1.1	-78.1	10
4	36M0G7W--	18.1	-57.5	-2.5	-78.1	10
5	22M0G7W--	15.9	-57.5	-4.7	-78.1	10
6	6M00G7W--	10.3	-57.5	-10.3	-78.1	10
7	2M00G7W--	5.5	-57.5	-15.1	-78.1	10
8	44K0G1D--	-11	-57.5	-31.7	-78.1	10

C10b1 Assoc. earth station name	*C10b4* Ctry	*C10b3* Type	*C10b5* Geographical coord.	*C10c1a/C10c1b* Cls. / Nat.	*C10c2* Max. iso. gain	*C10c3* Bmwdth	*C10c4a* Ref. pattern	*C10c4b* Rad. diag.	*C10c5* Noise temp.	*C10c4c* Coef A	Coef B	Coef C	Coef D	Phi1
TYPICAL K1.2 METER		T		1 TC CP	41.5	1.39	REC-580		150					

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:

C4a Class of station: EC | *C3a* Assigned freq. band: 50000

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

	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	36M0F9W--	5.5	-57.5	5.5	-57.5	14.5
2	18M0F9W--	5.5	-57.5	3	-59.9	15
3	50M0G7W--	19.5	-57.5	2.5	-74.5	10
4	36M0G7W--	18.1	-57.5	1	-74.5	10
5	22M0G7W--	15.9	-57.5	-1.1	-74.5	10
6	6M00G7W--	10.3	-57.5	-6.7	-74.5	10
7	2M00G7W--	5.5	-57.5	-11.5	-74.5	10
8	44K0G1D--	-11	-57.5	-28.1	-74.5	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

10.952	G	11.198	G	11.452	G	11.698	G								

A13 Ref. to Special Sections

1	AR11/A	563
2	AR11/C	2456

	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	144KG9D--	-10	-61.6	-10	-61.6	36.9
2	200KG8X--	-10	-63	-10	-63	35.4
3	200KG9D--	-10	-63	-10	-63	35.4

C10b1 Assoc. earth station name	*C10b4* Ctry	*C10b3* Type	*C10b5* Geographical coord.		*C10c1a/C10c1b* Cls. / Nat.			*C10c2* Max. iso. gain	*C10c3* Bmwdth	*C10c4a* Ref. pattern	*C10c4b* Rad. diag.	*C10c5* Noise temp.	*C10c4c* Coef A	Coef B	Coef C	Coef D	Phi1
TT&C K4.5 METER		T			1	TR	OT	52.9	0.37	REC-580		150					
					2	TK	OT										

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

13C Remarks:

☐ *BR7a/BR7b* Group id.: 807 | *BR14* Special Section:

C4a Class of station: EK | *C3a* Assigned freq. band: 4000

C4b Nature of service: CP | *C6a* Polarization type: M | *C6b* Polarization angle: | *C8d/C8g* Max. pwr: -10

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

10.952	G	11.198	G	11.452	G	11.698	G								

A13 Ref. to Special Sections

1	AR11/A	563
2	AR11/C	2456

	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	144KG9D--	-10	-61.6	-10	-61.6	41.9
2	200KG9D--	-10	-63	-10	-63	40.4
3	25K0N0N--	-10	-54	-10	-54	49.5

C10b1 Assoc. earth station name	*C10b4* Ctry	*C10b3* Type	*C10b5* Geographical coord.		*C10c1a/C10c1b* Cls. / Nat.			*C10c2* Max. iso. gain	*C10c3* Bmwdth	*C10c4a* Ref. pattern	*C10c4b* Rad. diag.	*C10c5* Noise temp.	*C10c4c* Coef A	Coef B	Coef C	Coef D	Phi1
TYPICAL K8.0 METER		T			1	TK	CP	57.9	0.21	REC-580		150					

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

13C Remarks:

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 procèdera 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.

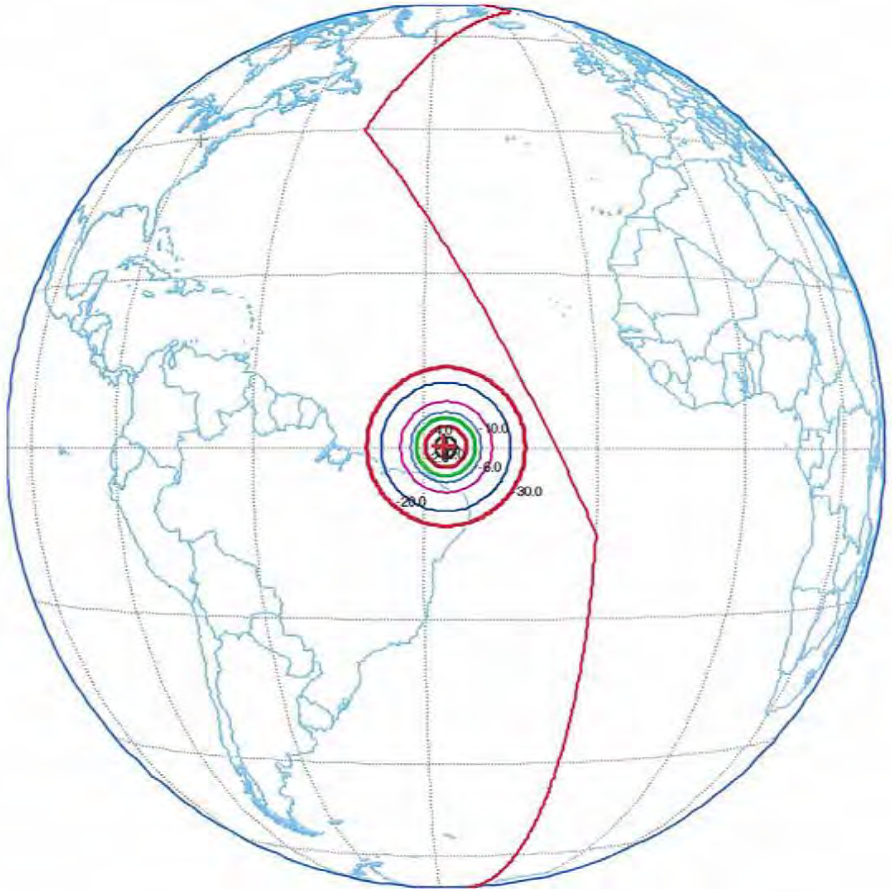
NOTE 2

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

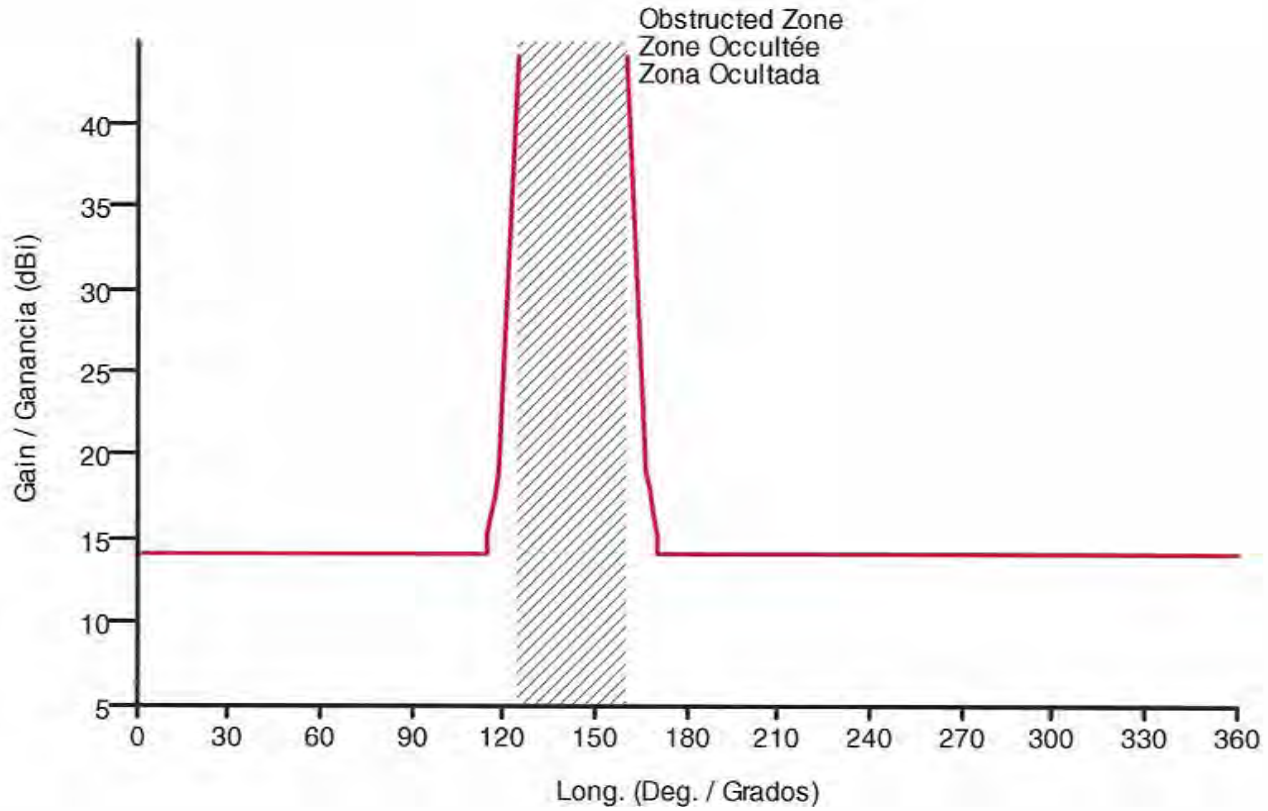


Zone de service/Service area/Zona de servicio: GLOBAL (No. 01)

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

Notas:

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:

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

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: