

FOR GEOSTATIONARY SPACE STATIONS USING SIMPLE FREQUENCY-CHANGING TRANSPONDERS AND OPERATING WITH EARTH STATIONS ONLY

E1. Indicate the strapping (connection) between the uplink and downlink frequency bands for each intended combination of receiving and transmitting beams

Serial No.	ADD/SUP of the strap	BEAM COMBINATION		FREQUENCY BAND COMBINATION				BAND LIMITS
		UPLINK BEAM	DOWNLINK BEAM	UPLINK FREQUENCY BAND	k/M/G Hz	DOWNLINK FREQUENCY BAND	k/M/G Hz	
1*	M	K1R	K1R	27500.0	M	17700.0	M	FROM TO
				30000.0	M	20200.0	M	
2*	M	K1R	KBx	27500.0	M	11700.0	M	FROM TO
				30000.0	M	12500.0	M	
	<input type="checkbox"/>							FROM TO
* These links may involve the use of the intersatellite links. The ISL does not contribute significantly to the equivalent link noise temperature.								
	<input type="checkbox"/>							FROM TO
	<input type="checkbox"/>							FROM TO
	<input type="checkbox"/>							FROM TO
	<input type="checkbox"/>							FROM TO
	<input type="checkbox"/>							FROM TO

MORE ON NEXT PAGE

E2. For each entry (or group of entries) in table E1 indicate the following equivalent satellite link noise temperatures and associated transmission gains. If these values are specific to an associated receiving earth station, provide its name.

Reference to Serial No(s). in table E1	a1. Lowest eq. sat link noise temp.		a2. Transm. gain associated with a1		b1. Sat link noise temp. for highest ration of gain/noise		b2. transm. gain associated with b1		Associated receiving earth station designation
	Kelvins	+/-	dB	Kelvins	+/-	dB	dB		
1-1	464	-	3.7	801	-	0.7		Typical 5.0 m	
1-1	138	-	17.8	152	-	14.8		Typical 3.0 m	
1-1	141	-	16.9	158	-	13.9		Typical 1.2 m	
1-1	470	-	3.7	813	-	0.7		Typical 6.1 m	
2-2	126	-	27.4	128	-	24.4		Typical 6.1 m	
2-2	125	-	45.2	125	-	42.2		Typical 0.6 m	
2-2	125	-	41.1	125	-	38.1		Typical 1.0 m	

MORE ON NEXT PAGE



X Peak Gain

Beam K1R

Orbital Longitude = 36° E

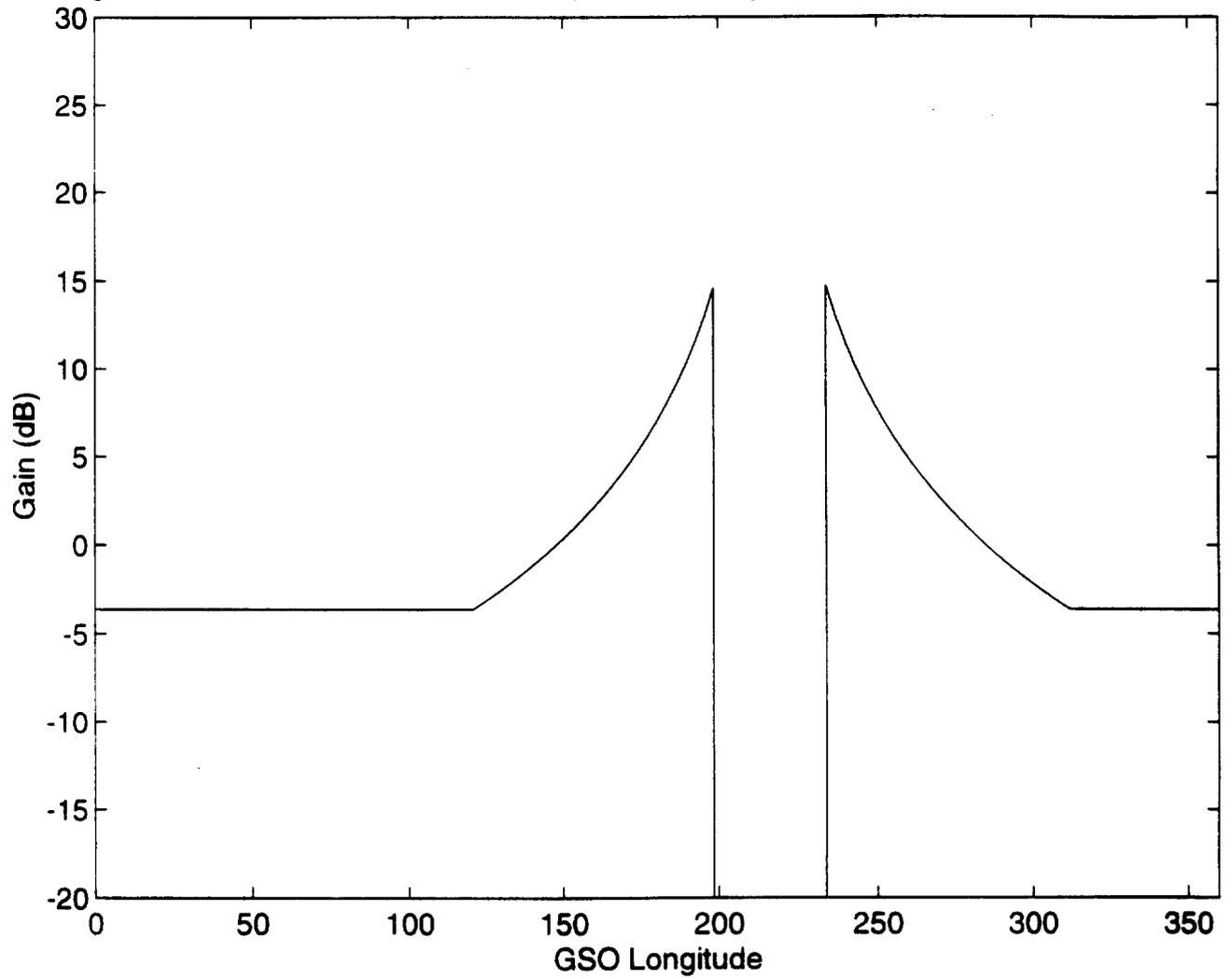
Contour lines are in dB

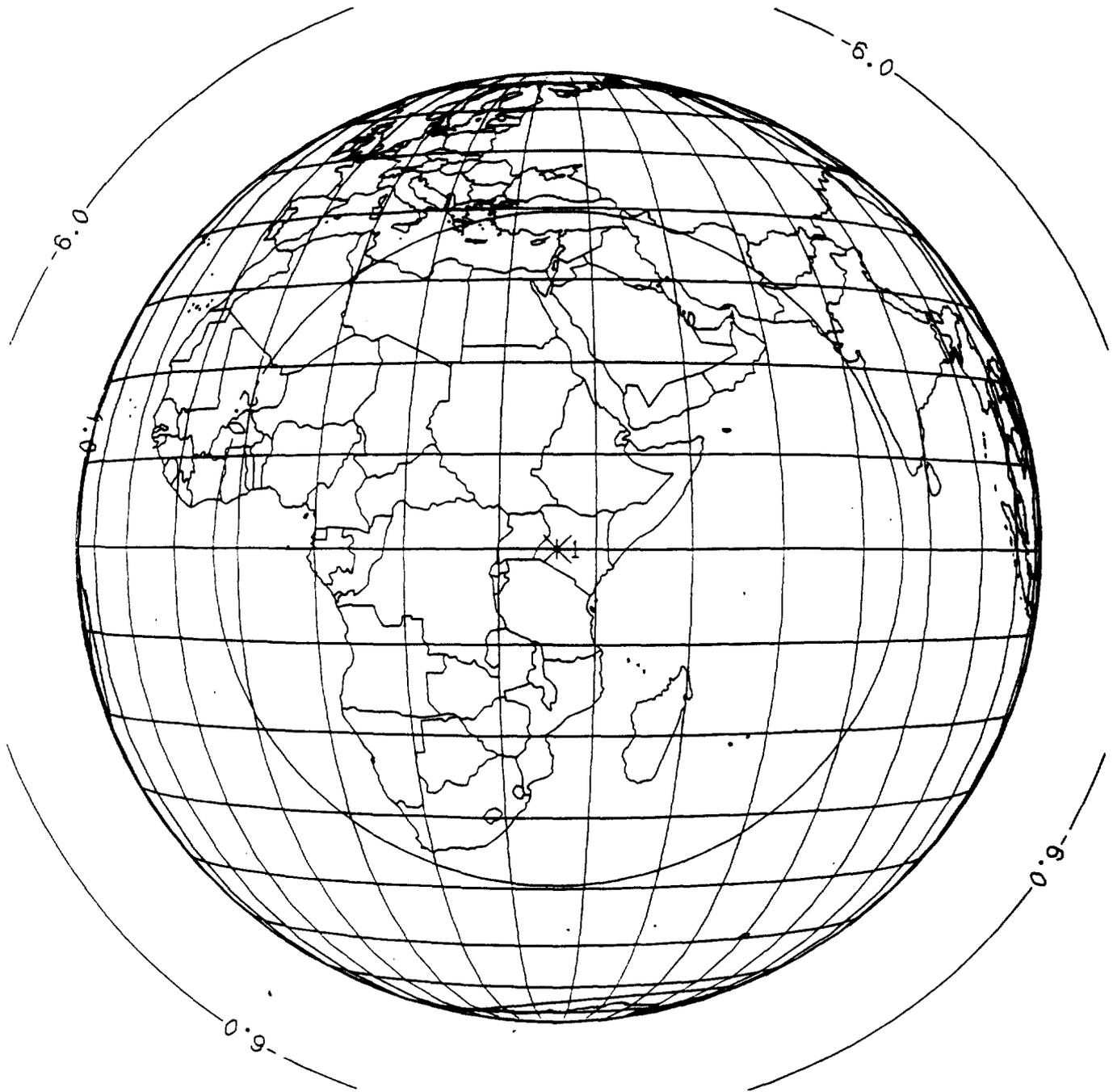
Gmax = 35.0 dBi

Figure G2. Space Station Transmit and Receive Gain Contours

The service area is the visible earth. The beam can be repositioned and replicated anywhere within the service area defined at a minimum elevation of 10°. The area served lies within the 6 dB contour. Surface power flux density limits specified in Article 28 of the Radio Regulations will be met.

Figure G3 - USASAT - Beam K1R (Satellite Longitude = 36 E) Peak Gain = 35 dBi





✱ Peak Gain

Beam PCB

Orbital Longitude = 36° E

Contour lines are in dB

Gmax = 21.6 dBi

Figure G4. Space Station Transmit Gain Contours

The service area is the visible earth. Surface power flux density limits specified in Article 28 of the Radio Regulations will be met. Equivalent isotropic radiated power in the direction of the geostationary-satellite orbit limits specified in Article 8 of the Radio Regulations will be met.

Figure G5 - USASAT. Beam PCB (Satellite Longitude = 36 E) Peak Gain = 21.6 dBi

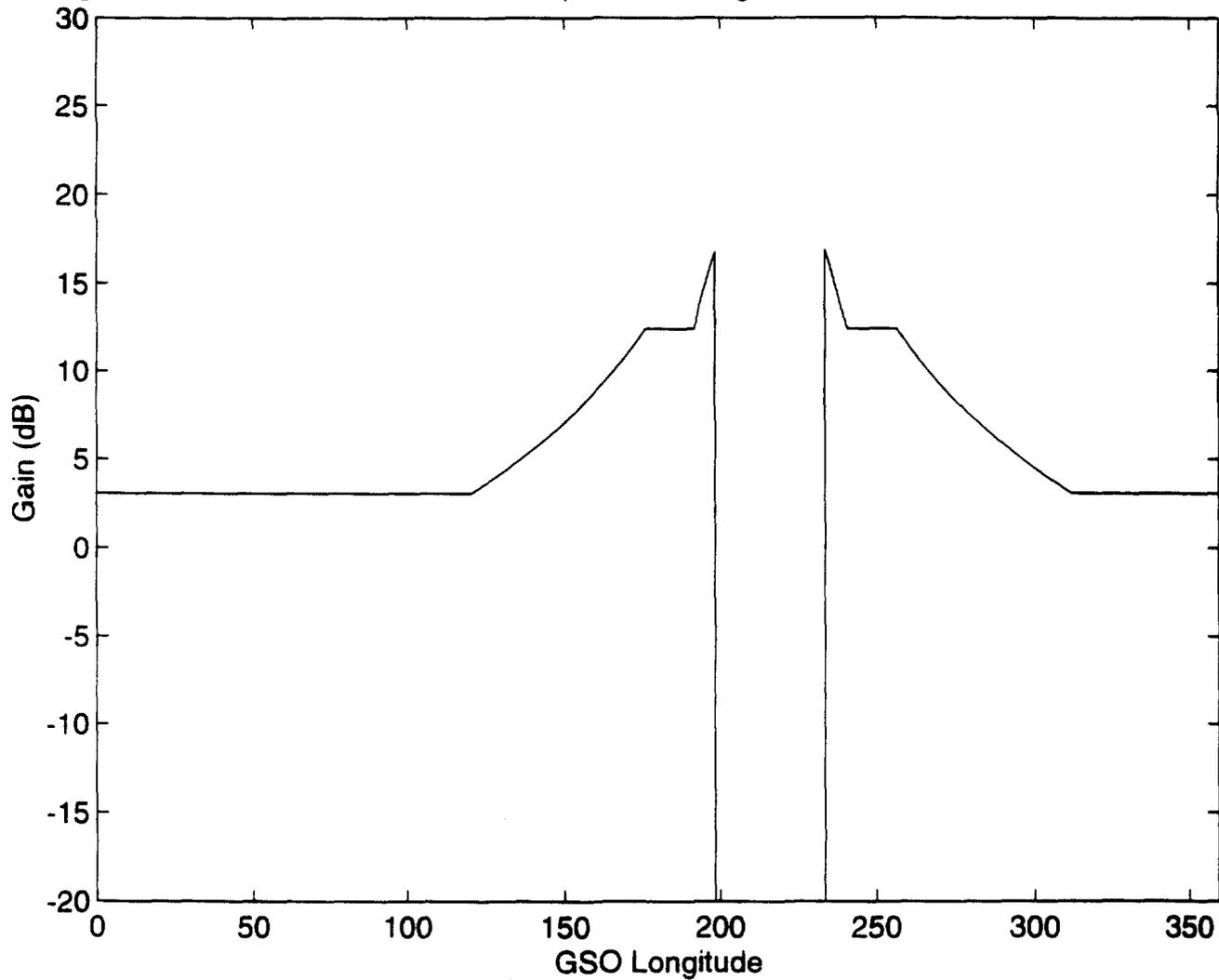


Figure G6 - USASAT Beam IS1 (Satellite Longitude = 36 E) Peak Gain = 53.4 dBi

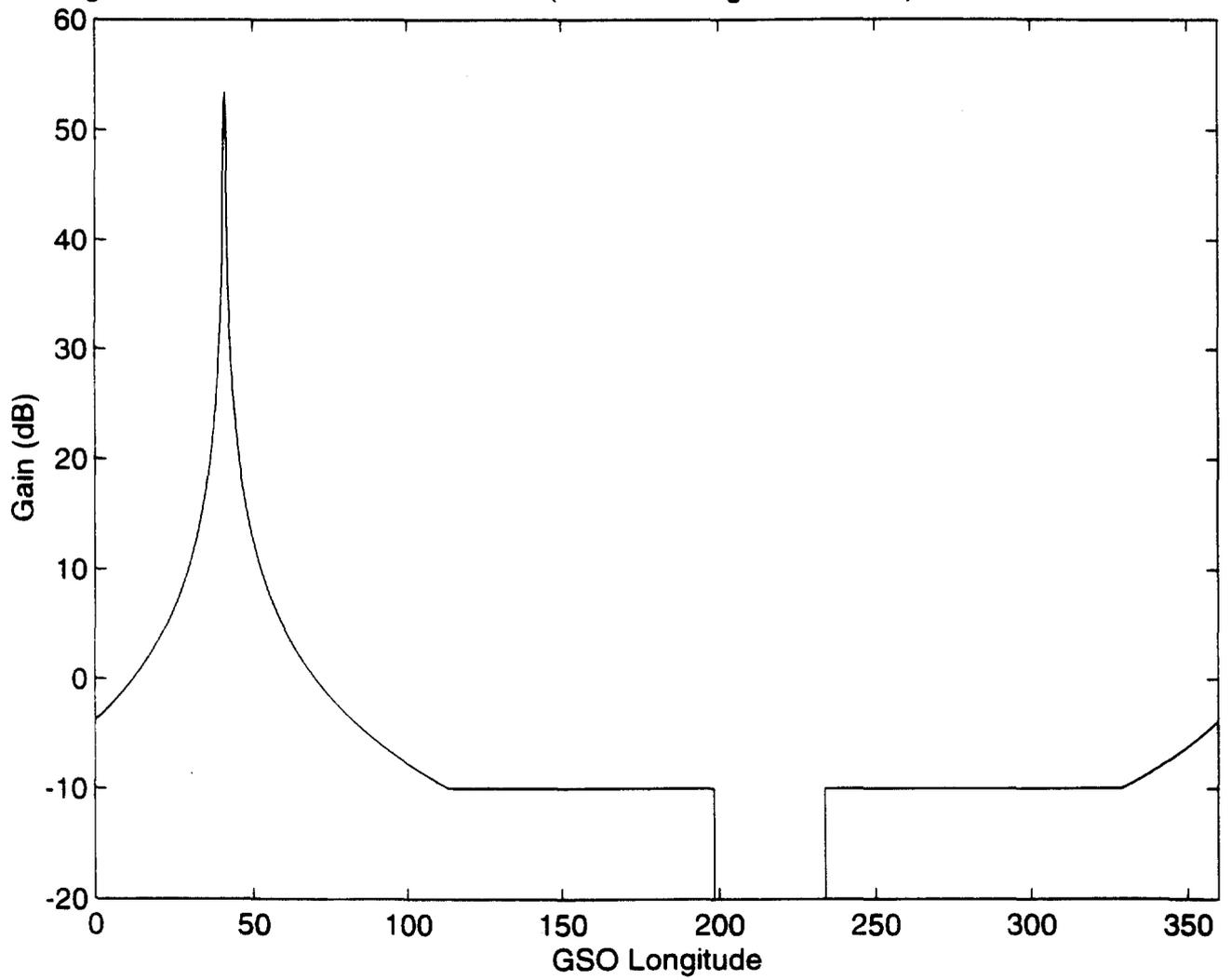


Figure G7 - USASAT. Beam IS2 (Satellite Longitude = 36 E) Peak Gain = 53.4 dBi

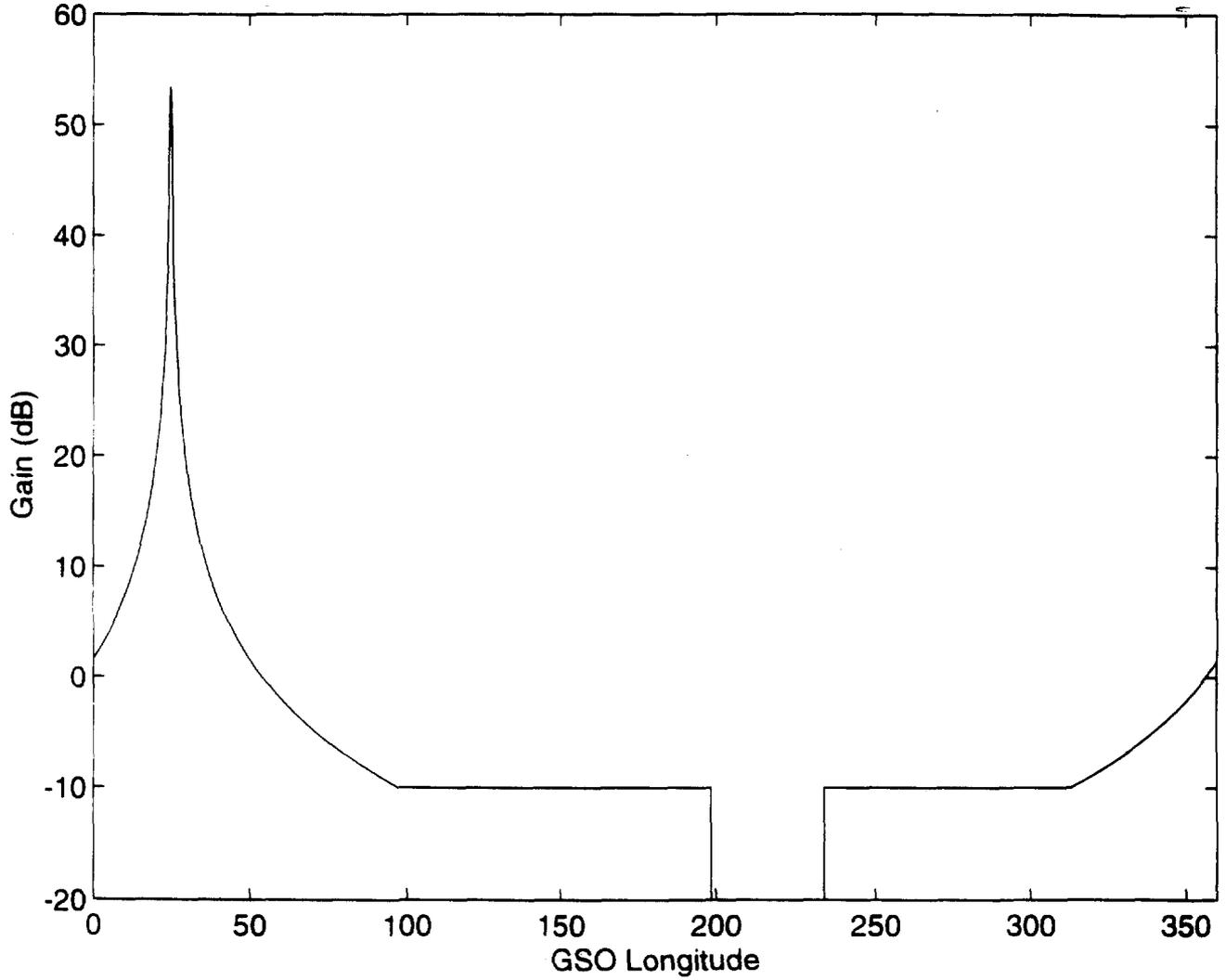


Figure G8 - USASAT: Beam IS3 (Satellite Longitude = 36 E) Peak Gain = 55.7 dBi

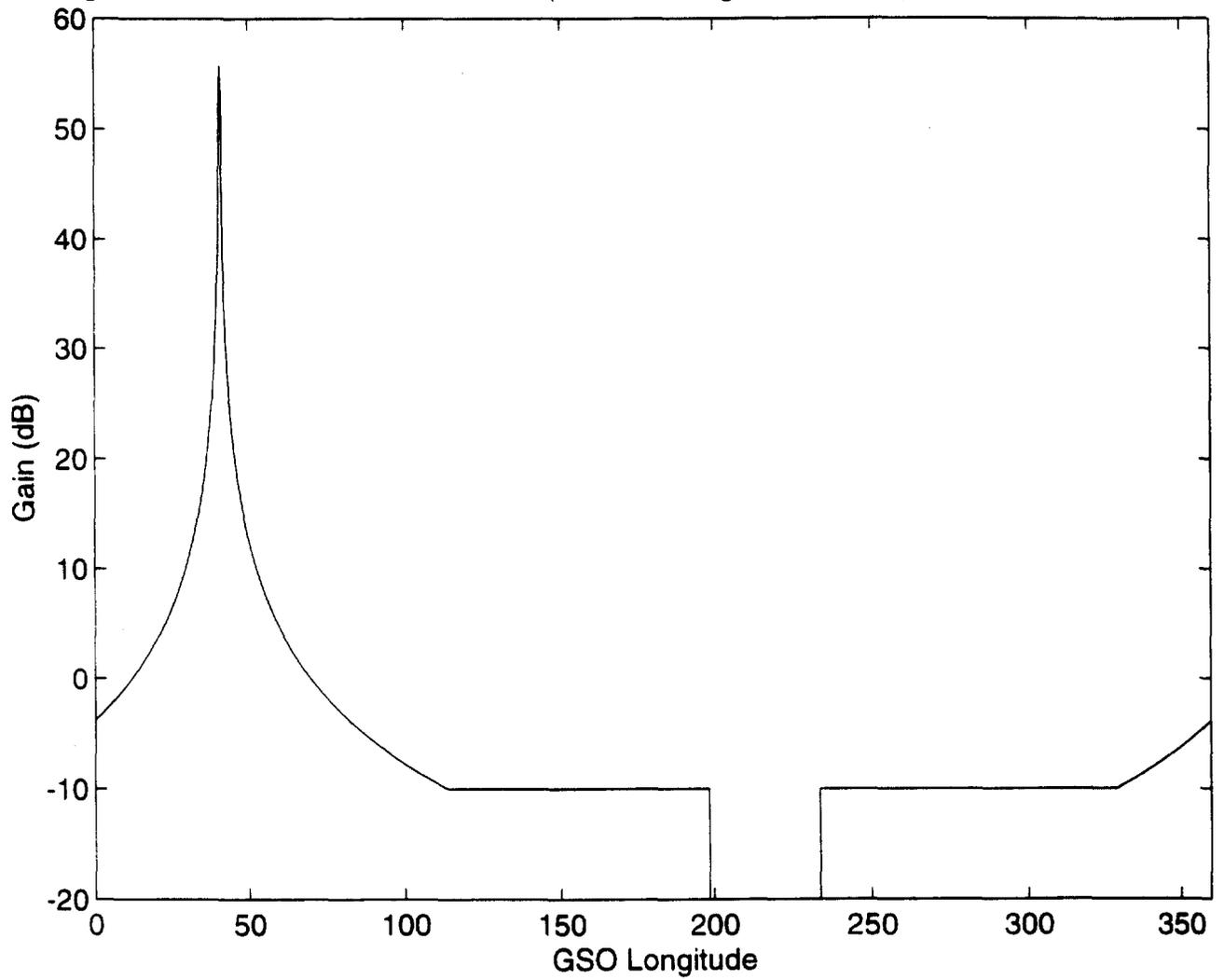
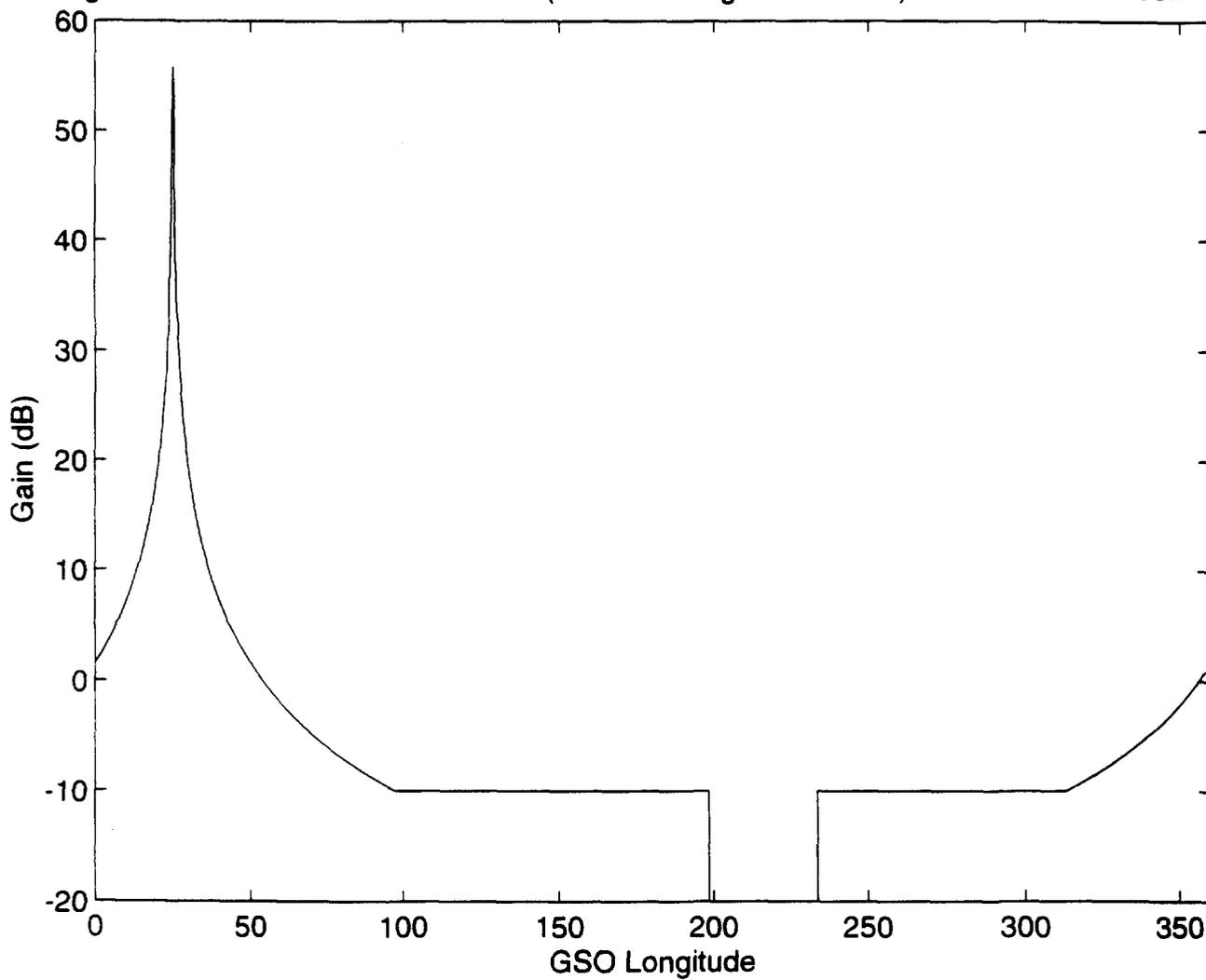


Figure G9 - USASAT: Beam IS4 (Satellite Longitude = 36 E) Peak Gain = 55.7 dBi



DATE (Day/Month/Year) <input type="text" value="9"/> <input type="text" value="5"/>	<b>FORM OF NOTICE</b> <b>SATELLITE NETWORK</b> (APPENDIX 4)	PAGE 1 OF <input type="text" value="3"/> <input type="text" value="3"/>	<b>AP4</b>
Administration Serial Number <input type="text" value=""/>	NOTIFYING ADMINISTRATION <input type="text" value="USA"/>	RR1042 Advance Publication <input checked="" type="checkbox"/>	RR1047A Request for Assistance of the IFRB <input type="checkbox"/>
			NOTIFICATION INTENDED FOR ADD <input checked="" type="checkbox"/> MOD <input type="checkbox"/> SUP <input type="checkbox"/>
<b>SAMPLE</b>			IFRB IDENTIFICATION NO. OF NETWORK TO BE MODIFIED/SUPPRESSED <input type="text" value=""/>

**B: CHARACTERISTICS OF THE NETWORK**

1 NAME OF THE SPACE STATION <input type="text" value="USASAT"/>																									
2 DATE OF BRINGING INTO USE	REFERENCE TO PREVIOUS SPECIAL SECTION NUMBER (if network modified)																								
<table border="1" style="display: inline-table;"> <tr><th>Day</th><th>Month</th><th>Year</th></tr> <tr><td>0</td><td>1</td><td>10</td></tr> <tr><td>2</td><td>0</td><td>0</td></tr> <tr><td>1</td><td></td><td></td></tr> </table>	Day	Month	Year	0	1	10	2	0	0	1			<table border="1" style="display: inline-table;"> <tr><th colspan="2">Number</th></tr> <tr><td>AR</td><td>11</td></tr> <tr><td>A</td><td></td></tr> <tr><td></td><td></td></tr> </table>	Number		AR	11	A							
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AR	11																								
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3a ADMINISTRATIONS IN GROUP <input type="text" value="USA"/>																									
3b OPERATING AGENCY OR COMPANY <input type="text" value=""/>	3c ADMINISTRATION RESPONSIBLE FOR THE STATION <input type="text" value=""/>																								
<b>4 ORBITAL INFORMATION</b>																									
a. FOR GEOSTATIONARY SATELLITES																									
1. NOMINAL ORBIT LONGITUDE	2. LONGITUDINAL TOLERANCE																								
<table border="1" style="display: inline-table;"> <tr><th colspan="2">Degrees</th></tr> <tr><td>0</td><td>9</td></tr> <tr><td>6</td><td>0</td></tr> <tr><td>0</td><td>0</td></tr> <tr><td>0</td><td>0</td></tr> <tr><td>W</td><td></td></tr> </table>	Degrees		0	9	6	0	0	0	0	0	W		<table border="1" style="display: inline-table;"> <tr><th colspan="2">Degrees</th></tr> <tr><td>0</td><td>0</td></tr> <tr><td>0</td><td>5</td></tr> <tr><td>0</td><td>0</td></tr> <tr><td>0</td><td>5</td></tr> <tr><td></td><td></td></tr> </table>	Degrees		0	0	0	5	0	0	0	5		
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From W	EW	To E	EW																						
1	0	1	W																						
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6. REASON FOR SERVICE ARC < VISIBILITY ARC ATTACHED <input type="text" value=""/>																									
b. FOR NON-GEOSTATIONARY SATELLITES																									
1. INCLINATION ANGLE	2. PERIOD																								
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3. APOGEE	4. PERIGEE																								
<input type="text" value=""/> (km)	<input type="text" value=""/> (km)																								
5. CELESTIAL BODY <input type="text" value=""/>	6. NUMBER OF SATS. <input type="text" value=""/>																								

FORM AP4-4 NOT REQUIRED BECAUSE SPACE STATION DOES NOT USE SIMPLE FREQUENCY-CHANGING TRANSPONDERS

**GENERAL NOTES :**

- i. This form of notice consists of four parts - 1, 2, 3, and 4. In each part, each information item/data field includes a number in its label. This number is the same as that used for the same item in Appendix 4 (ORB-88) within the same part. For example, on the page labelled "Form AP4 - 2" (at the bottom), the field "4a1. Maximum power density" is the first item in section (a) of the paragraph numbered 4 in Part C. The items from parts F and G of Appendix 4 have been included in the parts C and D referred to above. The items from these parts have the letters F and G (correspondingly) preceding the number that is included in their labels.
- ii. Data items that are related are grouped together in a box. For example, the page labelled "Form AP4 - 2" (at the bottom) contains a box titled "Emissions and power characteristics". It is possible to specify 6 different emissions with the associated power and power density information in this box. If there are more emissions, use another page of the same type to provide additional data, after checking ( X ) the field labelled "More emissions on next page" on the preceding page. In all cases where there is more information than can fit in a box, follow this procedure.
- iii. This form can be used to add to, modify or suppress an existing station, by checking the corresponding box at the top right-hand corner of this page in the area titled "Notification intended for". In the case of a modification of an existing station, where certain data fields are to be added, modified or suppressed, provide ALL the data in the particular box as they would look after the change. In addition, indicate that the corresponding beam, associated station or frequency range value is being modified by entering M in the field that has been provided for this purpose at these levels.
- iv. Certain fields in this notice form have a superscript "1" as part of their labels. This has the following meaning :  
 1 - This information is to be provided only if available.

# C: SATELLITE NETWORK CHARACTERISTICS IN THE EARTH-TO-SPACE DIRECTION

## SATELLITE RECEIVING ANTENNA BEAM DETAILS

**5. CHARACTERISTICS OF THE BEAM** ADD/MOD/SUP of the beam

b. RECEIVING BEAM DESIGNATION **K1R** NOTE: For a steerable beam, the third character of the beam designation shall be 'R'

OLD BEAM DESIGNATION (if changed)

ANTENNA CHARACTERISTICS

c1/d1/1. MAXIMUM ISOTROPIC GAIN 

+/-	dB
+ 4 4 ● 0	

g. POLARIZATION <sup>1</sup> **D** c2/d2. ANTENNA GAIN CONTOURS DIAGRAM ATTACHED SEE FIGURE NO **01**

e/2. ANTENNA RADIATION PATTERN DIAGRAM ATTACHED SEE FIGURE NO  h. ESTIMATED ANTENNA GAIN DIAGRAM VS ORBIT LONGITUDE ATTACHED SEE FIGURE NO **03**

**INFORMATION TO BE PROVIDED FOR THIS RECEIVING ANTENNA BEAM**

2a. CLASS OF STATION <b>EC</b>	2b. NATURE OF SERVICE <b>CR</b>	2a. CLASS OF STATION <input type="text"/>	2b. NATURE OF SERVICE <input type="text"/>
2a. CLASS OF STATION <input type="text"/>	2b. NATURE OF SERVICE <input type="text"/>	2a. CLASS OF STATION <input type="text"/>	2b. NATURE OF SERVICE <input type="text"/>

6. RECEIVING SYSTEM NOISE TEMPERATURE  Kelvins

PERIOD OF VALIDITY  Years

1. SERVICE AREA  OR SERVICE AREA DIAGRAM ATTACHED

**3/Fb. FREQUENCY RANGE WITHIN WHICH THE CARRIERS WILL BE LOCATED**

	Add/Mod/Sup of the freq. range	FREQUENCY	k/M/G Hz	IFRB IDENTIFICATION NUMBER for modification/suppression
FROM	<input type="checkbox"/>	<input type="text" value="2750000"/> <b>G</b>		<input type="text"/>
TO	<input type="checkbox"/>	<input type="text" value="3000000"/> <b>G</b>		<input type="text"/>

**INFORMATION RELATED TO THE ASSOCIATED TRANSMITTING STATION(S)**

**EMISSIONS AND POWER CHARACTERISTICS**

7/4a3. NECESSARY BANDWIDTH OR Fc/G2a. DESIGNATION OF EMISSION <sup>1</sup>	4a2/4c. TOTAL PEAK POWER <sup>1</sup>	4a1. MAXIMUM POWER DENSITY	4d. MINIMUM CARRIER POWER <sup>1</sup>	Fd/G2b. SPACE/EARTH STATION E.I.R.P. <sup>1</sup>	8. MODULATION CHARACTERISTICS ATTACHED SEE ATTACHMENT NO. <sup>1</sup>
<b>180KG7W</b>	<input type="text" value="440"/>	<input type="text" value="600"/>	<input type="text" value="440"/>	<input type="text" value="440"/>	<input type="text"/>
<b>1M08G7W</b>	<input type="text"/>	<input type="text" value="500"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>5M80G7W</b>	<input type="text"/>	<input type="text" value="500"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>11M8G7W</b>	<input type="text"/>	<input type="text" value="500"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**F. SPACE STATION** ADD/MOD/SUP of the station

CHARACTERISTICS OF TRANSMITTING SPACE STATION FOR SPACE-TO-SPACE RELAYS

a. SPACE STATION NAME

G2c. TELECOMMAND INFORMATION ATTACHED. SEE ATTACHMENT NO.: <sup>1</sup>

**EARTH STATION** ADD/MOD/SUP of the station

DESIGNATION OF TYPICAL EARTH STATION

4b1. RADIATION PATTERN (give reference pattern or provide diagram)

4b2. ANTENNA RADIATION DIAGRAM ATTACHED SEE FIGURE NO.:

MORE EMISSIONS ON NEXT PAGE  MORE ASSOC. TRANSMITTING STATIONS ON NEXT PAGE

REMARKS: Maximum Power Density ((item 4a1), for 180KG7W emission, is based upon total power averaged over reference bandwidth of 1 MHz, consistent with instructions in IFRB Circular Letter No. 839.

**NOTES ON FILLING IN THIS PAGE:**  
 FOR EACH BEAM FIRST FILL IN THE BOX TITLED 'CHARACTERISTICS OF THE BEAM'.  
 FOR EACH EARTH-TO-SPACE SERVICE AREA ASSOCIATED WITH THIS BEAM, FILL IN THE UPPER PORTION OF THE BOX TITLED 'INFORMATION TO BE PROVIDED FOR THIS RECEIVING ANTENNA BEAM'. FOR EACH SIZE (TYPE) OF TRANSMITTING EARTH STATION ANTENNA, FILL IN THE PORTION OF THE BOX TITLED 'INFORMATION RELATED TO THE ASSOCIATED TRANSMITTING STATION(S)'. USE ADDITIONAL PAGES AS NECESSARY. IF THIS IS A SPACE-TO-SPACE RELAY, IDENTIFY THE OTHER SPACE STATION(S) IN THE BOX TITLED 'SPACE STATION'. USE AS MANY PAGES AS NECESSARY.





C: SATELLITE NETWORK CHARACTERISTICS IN THE EARTH-TO-SPACE DIRECTION

SATELLITE RECEIVING ANTENNA BEAM DETAILS

**5. CHARACTERISTICS OF THE BEAM** ADD/MOD/SUP of the beam

b. RECEIVING BEAM DESIGNATION **K1R** NOTE: For a steerable beam, the third character of the beam designation shall be "R"

OLD BEAM DESIGNATION (if changed)

---

**ANTENNA CHARACTERISTICS**

c1/d1/f1. MAXIMUM ISOTROPIC GAIN 

+/-	dBi			
+	4	4	0	0

g. POLARIZATION 1 **D**

c2/d2. ANTENNA GAIN CONTOURS DIAGRAM ATTACHED SEE FIGURE NO **01**

e/f2. ANTENNA RADIATION PATTERN DIAGRAM ATTACHED SEE FIGURE NO

h. ESTIMATED ANTENNA GAIN DIAGRAM VS ORBIT LONGITUDE ATTACHED SEE FIGURE NO **03**

**INFORMATION TO BE PROVIDED FOR THIS RECEIVING ANTENNA BEAM**

2a. CLASS OF STATION <b>EC</b>	2b. NATURE OF SERVICE <b>CR</b>	2a. CLASS OF STATION <input type="text"/>	2b. NATURE OF SERVICE <input type="text"/>	6. RECEIVING SYSTEM NOISE TEMPERATURE <input type="text"/> <b>600</b> Kelvins
2a. CLASS OF STATION <input type="text"/>	2b. NATURE OF SERVICE <input type="text"/>	2a. CLASS OF STATION <input type="text"/>	2b. NATURE OF SERVICE <input type="text"/>	PERIOD OF VALIDITY <input type="text"/> <b>20</b> Years

1. SERVICE AREA  OR SERVICE AREA DIAGRAM ATTACHED **01**

**3/Fb. FREQUENCY RANGE WITHIN WHICH THE CARRIERS WILL BE LOCATED**

	Add/Mod/Sup of the freq. range	FREQUENCY	k/M/G Hz	IFRB IDENTIFICATION NUMBER for modification/suppression
FROM	<input type="checkbox"/>	<input type="text"/> <b>27000000</b> <input type="text"/>	<b>G</b>	<input type="text"/>
TO	<input type="checkbox"/>	<input type="text"/> <b>30000000</b> <input type="text"/>	<b>G</b>	<input type="text"/>

**INFORMATION RELATED TO THE ASSOCIATED TRANSMITTING STATION(S)**

EMISSIONS AND POWER CHARACTERISTICS					8. MODULATION CHARACTERISTICS ATTACHED SEE ATTACHMENT NO. 1
7/4a3. NECESSARY BANDWIDTH OR Fd/G2a. DESIGNATION OF EMISSION 1	4a2/4c. TOTAL PEAK POWER 1	4a1. MAXIMUM POWER DENSITY	4d. MINIMUM CARRIER POWER 1	Fd/G2b. SPACE/EARTH STATION E.I.R.P. 1	
	+/- dBW	+/- dBW/Hz	+/- dBW	+/- dBW	
<b>180KG7W</b>	<input type="text"/>	<b>-6000</b>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>1M08G7W</b>	<input type="text"/>	<b>-5000</b>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>5M80G7W</b>	<input type="text"/>	<b>-5000</b>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>11M8G7W</b>	<input type="text"/>	<b>-5000</b>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>125MG7W</b>	<input type="text"/>	<b>-5300</b>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>250MG7W</b>	<input type="text"/>	<b>-5300</b>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**F. SPACE STATION** ADD/MOD/SUP of the station

CHARACTERISTICS OF TRANSMITTING SPACE STATION FOR SPACE-TO-SPACE RELAYS

a. SPACE STATION NAME

G2c. TELECOMMAND INFORMATION ATTACHED. SEE ATTACHMENT NO.:

**EARTH STATION** ADD/MOD/SUP of the station

DESIGNATION OF TYPICAL EARTH STATION  **240cm TERMINAL**

4b1. RADIATION PATTERN (give reference pattern or provide diagram)  **REC S465-5**

4b2. ANTENNA RADIATION DIAGRAM ATTACHED SEE FIGURE NO.:

MORE EMISSIONS ON NEXT PAGE  MORE ASSOC. TRANSMITTING STATIONS ON NEXT PAGE

REMARKS: Maximum Power Density ((item 4a1), for 180KG7W emission, is based upon total power averaged over reference bandwidth of 1 MHz, consistent with instructions in IFRB Circular Letter No. 839.

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C: SATELLITE NETWORK CHARACTERISTICS IN THE EARTH-TO-SPACE DIRECTION

SATELLITE RECEIVING ANTENNA BEAM DETAILS

**5. CHARACTERISTICS OF THE BEAM** ADD/MOD/SUP of the beam

b. RECEIVING BEAM DESIGNATION **K2R** NOTE: For a steerable beam, the third character of the beam designation shall be 'R'

OLD BEAM DESIGNATION (if changed)

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**ANTENNA CHARACTERISTICS**

c1/d1/f1. MAXIMUM ISOTROPIC GAIN 

±	dB
+ 4 1 0	

g. POLARIZATION <sup>1</sup> **D**

e/f2. ANTENNA RADIATION PATTERN DIAGRAM ATTACHED SEE FIGURE NO.

c2/c2. ANTENNA GAIN CONTOURS DIAGRAM ATTACHED SEE FIGURE NO. **02**

h. ESTIMATED ANTENNA GAIN DIAGRAM VS ORBIT LONGITUDE ATTACHED SEE FIGURE NO. **03**

**INFORMATION TO BE PROVIDED FOR THIS RECEIVING ANTENNA BEAM**

2a. CLASS OF STATION <b>EC</b>	2b. NATURE OF SERVICE <b>CR</b>	2a. CLASS OF STATION <input type="text"/>	2b. NATURE OF SERVICE <input type="text"/>
2a. CLASS OF STATION <input type="text"/>	2b. NATURE OF SERVICE <input type="text"/>	2a. CLASS OF STATION <input type="text"/>	2b. NATURE OF SERVICE <input type="text"/>

6. RECEIVING SYSTEM NOISE TEMPERATURE  **600** Kelvins

PERIOD OF VALIDITY  **20** Years

1. SERVICE AREA  OR SERVICE AREA DIAGRAM ATTACHED **02**

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**3/fb. FREQUENCY RANGE WITHIN WHICH THE CARRIERS WILL BE LOCATED**

	Add/Mod/Sup of the freq. range	FREQUENCY	k/M/G Hz	IFRB IDENTIFICATION NUMBER for modification/suppression
FROM	<input type="checkbox"/>	<input type="text"/> <b>27 50000</b> <input type="text"/>	<b>G</b>	<input type="text"/>
TO	<input type="checkbox"/>	<input type="text"/> <b>30 00000</b> <input type="text"/>	<b>G</b>	<input type="text"/>

**INFORMATION RELATED TO THE ASSOCIATED TRANSMITTING STATION(S)**

EMISSIONS AND POWER CHARACTERISTICS					8. MODULATION CHARACTERISTICS ATTACHED SEE ATTACHMENT NO. <sup>1</sup>
7/f4a3. NECESSARY BANDWIDTH OR Fe/G2a. DESIGNATION OF EMISSION <sup>1</sup>	4a2/4c. TOTAL PEAK POWER <sup>1</sup>	4a1. MAXIMUM POWER DENSITY	4d. MINIMUM CARRIER POWER <sup>1</sup>	Fd/G2b. SPACE/EARTH STATION E.I.R.P. <sup>1</sup>	
<input type="text"/> <b>125MG7W</b> <input type="text"/>	± dBW <input type="text"/>	± dBW/Hz <input type="text"/> <b>-500</b> <input type="text"/>	± dBW <input type="text"/>	± dBW <input type="text"/>	<input type="text"/>
<input type="text"/> <b>250MG7W</b> <input type="text"/>	<input type="text"/>	<input type="text"/> <b>-500</b> <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**F. SPACE STATION** ADD/MOD/SUP of the station

CHARACTERISTICS OF TRANSMITTING SPACE STATION FOR SPACE-TO-SPACE RELAYS

a. SPACE STATION NAME

G2c. TELECOMMAND INFORMATION ATTACHED. SEE ATTACHMENT NO.: <sup>1</sup>

**EARTH STATION** ADD/MOD/SUP of the station

DESIGNATION OF TYPICAL EARTH STATION

**300cm TERMINAL**

4b1. RADIATION PATTERN (give reference pattern or provide diagram)  **RECS465-5**

4b2. ANTENNA RADIATION DIAGRAM ATTACHED SEE FIGURE NO.:

MORE EMISSIONS ON NEXT PAGE  MORE ASSOC. TRANSMITTING STATIONS ON NEXT PAGE

REMARKS:

**NOTES ON FILLING IN THIS PAGE:**  
 FOR EACH BEAM FIRST FILL IN THE BOX TITLED 'CHARACTERISTICS OF THE BEAM'.  
 FOR EACH EARTH-TO-SPACE SERVICE AREA ASSOCIATED WITH THIS BEAM, FILL IN THE UPPER PORTION OF THE BOX TITLED 'INFORMATION TO BE PROVIDED FOR THIS RECEIVING ANTENNA BEAM'. FOR EACH SIZE (TYPE) OF TRANSMITTING EARTH STATION ANTENNA, FILL IN THE PORTION OF THE BOX TITLED 'INFORMATION RELATED TO THE ASSOCIATED TRANSMITTING STATION(S)'. USE ADDITIONAL PAGES AS NECESSARY. IF THIS IS A SPACE-TO-SPACE RELAY, IDENTIFY THE OTHER SPACE STATION(S) IN THE BOX TITLED 'SPACE STATION'. USE AS MANY PAGES AS NECESSARY.



C: SATELLITE NETWORK CHARACTERISTICS IN THE EARTH-TO-SPACE DIRECTION

SATELLITE RECEIVING ANTENNA BEAM DETAILS

**5. CHARACTERISTICS OF THE BEAM** ADD/MOD/SUP of the beam

b. RECEIVING BEAM DESIGNATION **K1R** NOTE: For a steerable beam, the third character of the beam designation shall be 'R'

OLD BEAM DESIGNATION (if changed)

---

**ANTENNA CHARACTERISTICS**

c1/d1f1. MAXIMUM ISOTROPIC GAIN 

+-	dB
+ 4 4 ● 0	

g. POLARIZATION <sup>1</sup> **D**

e/f2. ANTENNA RADIATION PATTERN DIAGRAM ATTACHED SEE FIGURE NO.

c2/d2. ANTENNA GAIN CONTOURS DIAGRAM ATTACHED SEE FIGURE NO. **01**

h. ESTIMATED ANTENNA GAIN DIAGRAM VS ORBIT LONGITUDE ATTACHED SEE FIGURE NO. **03**

**INFORMATION TO BE PROVIDED FOR THIS RECEIVING ANTENNA BEAM**

2a. CLASS OF STATION <b>ED</b>	2b. NATURE OF SERVICE <b>OT</b>	2a. CLASS OF STATION <b>EK</b>	2b. NATURE OF SERVICE <b>OT</b>	6. RECEIVING SYSTEM NOISE TEMPERATURE <input type="text"/> <b>600</b> Kelvins
2a. CLASS OF STATION <b>ET</b>	2b. NATURE OF SERVICE <b>OT</b>	2a. CLASS OF STATION <input type="text"/>	2b. NATURE OF SERVICE <input type="text"/>	PERIOD OF VALIDITY <b>20</b> Years

1. SERVICE AREA  OR SERVICE AREA DIAGRAM ATTACHED **01**

**3/Fb. FREQUENCY RANGE WITHIN WHICH THE CARRIERS WILL BE LOCATED**

	Add/Mod/Sup of the freq. range	FREQUENCY	k/M/G Hz	IFRB IDENTIFICATION NUMBER for modification/suppression
FROM	<input type="checkbox"/>	<input type="text"/> <b>29 ● 50000</b> <b>G</b>		<input type="text"/>
TO	<input type="checkbox"/>	<input type="text"/> <b>30 ● 00000</b> <b>G</b>		<input type="text"/>

**INFORMATION RELATED TO THE ASSOCIATED TRANSMITTING STATION(S)**

EMISSIONS AND POWER CHARACTERISTICS					8. MODULATION CHARACTERISTICS ATTACHED SEE ATTACHMENT NO. <sup>1</sup>
7/a3. NECESSARY BANDWIDTH OR Fc/G2a. DESIGNATION OF EMISSION <sup>1</sup>	4a2/4c. TOTAL PEAK POWER <sup>1</sup>	4a1. MAXIMUM POWER DENSITY	4d. MINIMUM CARRIER POWER <sup>1</sup>	Fd/G2b. SPACE/EARTH STATION E.I.R.P. <sup>1</sup>	
	+- dBW	+- dBW/Hz	+- dBW	+- dBW	
<b>1M00FXD</b>	<input type="text"/> ● <input type="text"/>	<b>- 30 ● 0</b>	<input type="text"/> ● <input type="text"/>	<input type="text"/> ● <input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/> ● <input type="text"/>	<input type="text"/> ● <input type="text"/>	<input type="text"/> ● <input type="text"/>	<input type="text"/> ● <input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/> ● <input type="text"/>	<input type="text"/> ● <input type="text"/>	<input type="text"/> ● <input type="text"/>	<input type="text"/> ● <input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/> ● <input type="text"/>	<input type="text"/> ● <input type="text"/>	<input type="text"/> ● <input type="text"/>	<input type="text"/> ● <input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/> ● <input type="text"/>	<input type="text"/> ● <input type="text"/>	<input type="text"/> ● <input type="text"/>	<input type="text"/> ● <input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/> ● <input type="text"/>	<input type="text"/> ● <input type="text"/>	<input type="text"/> ● <input type="text"/>	<input type="text"/> ● <input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/> ● <input type="text"/>	<input type="text"/> ● <input type="text"/>	<input type="text"/> ● <input type="text"/>	<input type="text"/> ● <input type="text"/>	<input type="text"/>

**F. SPACE STATION** ADD/MOD/SUP of the station

CHARACTERISTICS OF TRANSMITTING SPACE STATION FOR SPACE-TO-SPACE RELAYS

a. SPACE STATION NAME

G2c. TELECOMMAND INFORMATION ATTACHED. SEE ATTACHMENT NO.: <sup>1</sup>

**EARTH STATION** ADD/MOD/SUP of the station

DESIGNATION OF TYPICAL EARTH STATION

**TT&C STATION**

4b1. RADIATION PATTERN (give reference pattern or provide diagram) **RECS465-5**

4b2. ANTENNA RADIATION DIAGRAM ATTACHED SEE FIGURE NO.:

MORE EMISSIONS ON NEXT PAGE  MORE ASSOC. TRANSMITTING STATIONS ON NEXT PAGE

REMARKS:

NOTES ON FILLING IN THIS PAGE :

FOR EACH BEAM FIRST FILL IN THE BOX TITLED 'CHARACTERISTICS OF THE BEAM'. FOR EACH EARTH-TO-SPACE SERVICE AREA ASSOCIATED WITH THIS BEAM, FILL IN THE UPPER PORTION OF THE BOX TITLED 'INFORMATION TO BE PROVIDED FOR THIS RECEIVING ANTENNA BEAM'. FOR EACH SIZE (TYPE) OF TRANSMITTING EARTH STATION ANTENNA, FILL IN THE PORTION OF THE BOX TITLED 'INFORMATION RELATED TO THE ASSOCIATED TRANSMITTING STATION(S)'. USE ADDITIONAL PAGES AS NECESSARY. IF THIS IS A SPACE-TO-SPACE RELAY, IDENTIFY THE OTHER SPACE STATION(S) IN THE BOX TITLED 'SPACE STATION'. USE AS MANY PAGES AS NECESSARY.

C: SATELLITE NETWORK CHARACTERISTICS IN THE EARTH-TO-SPACE DIRECTION

SATELLITE RECEIVING ANTENNA BEAM DETAILS

**5. CHARACTERISTICS OF THE BEAM** ADD/MOD/SUP of the beam

b. RECEIVING BEAM DESIGNATION **SER** NOTE: For a steerable beam, the third character of the beam designation shall be 'R'

OLD BEAM DESIGNATION (if changed)

---

**ANTENNA CHARACTERISTICS**

c1/d1/f1. MAXIMUM ISOTROPIC GAIN 

+/-	dB
+ 5 5	0

g. POLARIZATION <sup>1</sup> **D**

c2/d2. ANTENNA GAIN CONTOURS DIAGRAM ATTACHED SEE FIGURE NO

e/f2. ANTENNA RADIATION PATTERN DIAGRAM ATTACHED SEE FIGURE NO **04**

h. ESTIMATED ANTENNA GAIN DIAGRAM VS ORBIT LONGITUDE ATTACHED SEE FIGURE NO

**INFORMATION TO BE PROVIDED FOR THIS RECEIVING ANTENNA BEAM**

2a. CLASS OF STATION <b>ES</b>	2b. NATURE OF SERVICE <b>OT</b>	2a. CLASS OF STATION <input type="text"/>	2b. NATURE OF SERVICE <input type="text"/>	6. RECEIVING SYSTEM NOISE TEMPERATURE <input type="text"/> <b>600</b> Kelvins
2a. CLASS OF STATION <input type="text"/>	2b. NATURE OF SERVICE <input type="text"/>	2a. CLASS OF STATION <input type="text"/>	2b. NATURE OF SERVICE <input type="text"/>	PERIOD OF VALIDITY <input type="text"/> <b>20</b> Years

1. SERVICE AREA                      OR SERVICE AREA DIAGRAM ATTACHED **04**

**3/Fd. FREQUENCY RANGE WITHIN WHICH THE CARRIERS WILL BE LOCATED**

	Add/Mod/Sup of the freq. range	FREQUENCY	k/M/G Hz	IFRB IDENTIFICATION NUMBER for modification/suppression
FROM	<input type="checkbox"/>	<input type="text"/> <b>59000000</b> <input type="text"/>	<input type="text"/> <b>G</b>	<input type="text"/>
TO	<input type="checkbox"/>	<input type="text"/> <b>64000000</b> <input type="text"/>	<input type="text"/> <b>G</b>	<input type="text"/>

**INFORMATION RELATED TO THE ASSOCIATED TRANSMITTING STATION(S)**

**EMISSIONS AND POWER CHARACTERISTICS**

7/f4a3. NECESSARY BANDWIDTH OR Fd/G2a. DESIGNATION OF EMISSION <sup>1</sup>	4a2/4c. TOTAL PEAK POWER <sup>1</sup>	4a1. MAXIMUM POWER DENSITY	4d. MINIMUM CARRIER POWER <sup>1</sup>	Fd/G2b. SPACE/EARTH STATION E.I.R.P. <sup>1</sup>	8. MODULATION CHARACTERISTICS ATTACHED SEE ATTACHMENT NO. <sup>1</sup>
	+/- dBW	+/- dBW/Hz	+/- dBW	+/- dBW	
<b>1G00G7W</b>	<input type="text"/> <b>0</b> <input type="text"/>	<input type="text"/> <b>-7000</b> <input type="text"/>	<input type="text"/> <b>0</b> <input type="text"/>	<input type="text"/> <b>0</b> <input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**F. SPACE STATION** ADD/MOD/SUP of the station

CHARACTERISTICS OF TRANSMITTING SPACE STATION FOR SPACE-TO-SPACE RELAYS

a. SPACE STATION NAME **USASAT - at 29° W**

**EARTH STATION** ADD/MOD/SUP of the station

DESIGNATION OF TYPICAL EARTH STATION

4b1. RADIATION PATTERN (give reference pattern or provide diagram)

4b2. ANTENNA RADIATION DIAGRAM ATTACHED SEE FIGURE NO.:

G2c. TELECOMMAND INFORMATION ATTACHED. SEE ATTACHMENT NO.:

MORE EMISSIONS ON NEXT PAGE  MORE ASSOC. TRANSMITTING STATIONS ON NEXT PAGE

REMARKS:

NOTES ON FILLING IN THIS PAGE :  
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C: SATELLITE NETWORK CHARACTERISTICS IN THE EARTH-TO-SPACE DIRECTION

SATELLITE RECEIVING ANTENNA BEAM DETAILS

**5. CHARACTERISTICS OF THE BEAM** ADD/MOD/SUP of the beam

b. RECEIVING BEAM DESIGNATION **SER** NOTE: For a steerable beam, the third character of the beam designation shall be 'R'  
 OLD BEAM DESIGNATION (if changed)

**ANTENNA CHARACTERISTICS**

c1/d1/f1. MAXIMUM ISOTROPIC GAIN 

±	dB
+ 5 5 0	0

g. POLARIZATION  c2/d2. ANTENNA GAIN CONTOURS DIAGRAM ATTACHED SEE FIGURE NO

e/f2. ANTENNA RADIATION PATTERN DIAGRAM ATTACHED SEE FIGURE NO  h. ESTIMATED ANTENNA GAIN DIAGRAM VS ORBIT LONGITUDE ATTACHED SEE FIGURE NO

**INFORMATION TO BE PROVIDED FOR THIS RECEIVING ANTENNA BEAM**

2a. CLASS OF STATION <input type="text" value="ES"/>	2b. NATURE OF SERVICE <input type="text" value="OT"/>	2a. CLASS OF STATION <input type="text"/>	2b. NATURE OF SERVICE <input type="text"/>
2a. CLASS OF STATION <input type="text"/>	2b. NATURE OF SERVICE <input type="text"/>	2a. CLASS OF STATION <input type="text"/>	2b. NATURE OF SERVICE <input type="text"/>

6. RECEIVING SYSTEM NOISE TEMPERATURE  Kelvins

PERIOD OF VALIDITY  Years

1. SERVICE AREA  OR SERVICE AREA DIAGRAM ATTACHED

**3/fb. FREQUENCY RANGE WITHIN WHICH THE CARRIERS WILL BE LOCATED**

	Add/Mod/Sup of the freq. range	FREQUENCY	k/M/G Hz	IFRB IDENTIFICATION NUMBER for modification/suppression
FROM	<input type="checkbox"/>	<input type="text" value="5425000"/>	<input type="text" value="G"/>	<input type="text"/>
TO	<input type="checkbox"/>	<input type="text" value="5820000"/>	<input type="text" value="G"/>	<input type="text"/>

**INFORMATION RELATED TO THE ASSOCIATED TRANSMITTING STATION(S)**

EMISSIONS AND POWER CHARACTERISTICS					8. MODULATION CHARACTERISTICS ATTACHED SEE ATTACHMENT NO. <input type="text"/>
74a3. NECESSARY BANDWIDTH OR Fc/G2a. DESIGNATION OF EMISSION <sup>1</sup>	4a2/4c. TOTAL PEAK POWER <sup>1</sup>	4a1. MAXIMUM POWER DENSITY	4d. MINIMUM CARRIER POWER <sup>1</sup>	Fd/G2b. SPACE/EARTH STATION E.I.R.P. <sup>1</sup>	
	± dBW	± dBW/Hz	± dBW	± dBW	
<input type="text" value="1G00G7W"/>	<input type="text" value="0"/>	<input type="text" value="700"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**F. SPACE STATION** ADD/MOD/SUP of the station

CHARACTERISTICS OF TRANSMITTING SPACE STATION FOR SPACE-TO-SPACE RELAYS

a. SPACE STATION NAME

**EARTH STATION** ADD/MOD/SUP of the station

DESIGNATION OF TYPICAL EARTH STATION

4b1. RADIATION PATTERN (give reference pattern or provide diagram)

4b2. ANTENNA RADIATION DIAGRAM ATTACHED SEE FIGURE NO.:

G2c. TELECOMMAND INFORMATION ATTACHED. SEE ATTACHMENT NO.:

MORE EMISSIONS ON NEXT PAGE  MORE ASSOC. TRANSMITTING STATIONS ON NEXT PAGE

REMARKS:

NOTES ON FILLING IN THIS PAGE :  
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C: SATELLITE NETWORK CHARACTERISTICS IN THE EARTH-TO-SPACE DIRECTION

SATELLITE RECEIVING ANTENNA BEAM DETAILS

**5. CHARACTERISTICS OF THE BEAM** ADD/MOD/SUP of the beam

b. RECEIVING BEAM DESIGNATION **SWR** NOTE: For a steerable beam, the third character of the beam designation shall be "R"

OLD BEAM DESIGNATION (if changed)

---

**ANTENNA CHARACTERISTICS**

c1/d1/f1. MAXIMUM ISOTROPIC GAIN 

+/-	dB <sub>i</sub>
+	550

g. POLARIZATION 1 **D**

e/f2. ANTENNA RADIATION PATTERN DIAGRAM ATTACHED SEE FIGURE NO **04**

c2/h2. ANTENNA GAIN CONTOURS DIAGRAM ATTACHED SEE FIGURE NO

h. ESTIMATED ANTENNA GAIN DIAGRAM VS ORBIT LONGITUDE ATTACHED SEE FIGURE NO

**INFORMATION TO BE PROVIDED FOR THIS RECEIVING ANTENNA BEAM**

2a. CLASS OF STATION <b>ES</b>	2b. NATURE OF SERVICE <b>OT</b>	2a. CLASS OF STATION <input type="text"/>	2b. NATURE OF SERVICE <input type="text"/>	6. RECEIVING SYSTEM NOISE TEMPERATURE <input type="text"/> <b>600</b> Kelvins
2a. CLASS OF STATION <input type="text"/>	2b. NATURE OF SERVICE <input type="text"/>	2a. CLASS OF STATION <input type="text"/>	2b. NATURE OF SERVICE <input type="text"/>	PERIOD OF VALIDITY <input type="text"/> <b>20</b> Years

1. SERVICE AREA  OR SERVICE AREA DIAGRAM ATTACHED **04**

**3/fb. FREQUENCY RANGE WITHIN WHICH THE CARRIERS WILL BE LOCATED**

	Add/Mod/Sup of the freq. range	FREQUENCY	k/MG Hz	IFRB IDENTIFICATION NUMBER for modification/suppression
FROM	<input type="checkbox"/>	<input type="text"/> <b>5425000</b> <b>G</b>		<input type="text"/>
TO	<input type="checkbox"/>	<input type="text"/> <b>5820000</b> <b>G</b>		<input type="text"/>

**INFORMATION RELATED TO THE ASSOCIATED TRANSMITTING STATION(S)**

**EMISSIONS AND POWER CHARACTERISTICS**

7/a3. NECESSARY BANDWIDTH OR Fc/G2a. DESIGNATION OF EMISSION 1	4a2/4c. TOTAL PEAK POWER 1	4a1. MAXIMUM POWER DENSITY	4d. MINIMUM CARRIER POWER 1	Fc/G2b. SPACE/EARTH STATION E.I.R.P. 1	8. MODULATION CHARACTERISTICS ATTACHED SEE ATTACHMENT NO. 1
<input type="text"/> <b>1G00G7W</b>	+/- dBW <input type="text"/>	+/- dBW/Hz <input type="text"/> <b>-700</b>	+/- dBW <input type="text"/>	+/- dBW <input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**F. SPACE STATION** ADD/MOD/SUP of the station

CHARACTERISTICS OF TRANSMITTING SPACE STATION FOR SPACE-TO-SPACE RELAYS

a. SPACE STATION NAME  **USASAT - at 168° E**

G2c. TELECOMMAND INFORMATION ATTACHED. SEE ATTACHMENT NO.:

**EARTH STATION** ADD/MOD/SUP of the station

DESIGNATION OF TYPICAL EARTH STATION

4b1. RADIATION PATTERN (give reference pattern or provide diagram)

4b2. ANTENNA RADIATION DIAGRAM ATTACHED SEE FIGURE NO.:

MORE EMISSIONS ON NEXT PAGE  MORE ASSOC. TRANSMITTING STATIONS ON NEXT PAGE

REMARKS:

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D: SATELLITE NETWORK CHARACTERISTICS IN THE SPACE-TO-EARTH DIRECTION

SATELLITE TRANSMITTING ANTENNA BEAM DETAILS

**5. CHARACTERISTICS OF THE BEAM** ADD/MOD/SUP of the beam

b. TRANSMITTING BEAM DESIGNATION **K1R** NOTE: For a steerable beam, the third character of the beam designation shall be 'R'

OLD BEAM DESIGNATION (if changed)

---

**ANTENNA CHARACTERISTICS**

c1/d1/f1. MAXIMUM ISOTROPIC GAIN +/- dBi

+	4	4	0
---	---	---	---

g. POLARIZATION <sup>1</sup> **D**

e/2. ANTENNA RADIATION PATTERN DIAGRAM ATTACHED SEE FIGURE NO

c2/g2. ANTENNA GAIN CONTOURS DIAGRAM ATTACHED SEE FIGURE NO **01**

h. ESTIMATED ANTENNA GAIN DIAGRAM VS ORBIT LONGITUDE ATTACHED SEE FIGURE NO **03**

**INFORMATION TO BE PROVIDED FOR THIS TRANSMITTING ANTENNA BEAM**

2a. CLASS OF STATION <b>EC</b>	2b. NATURE OF SERVICE <b>CR</b>	2a. CLASS OF STATION <input type="text"/>	2b. NATURE OF SERVICE <input type="text"/>
2a. CLASS OF STATION <input type="text"/>	2b. NATURE OF SERVICE <input type="text"/>	2a. CLASS OF STATION <input type="text"/>	2b. NATURE OF SERVICE <input type="text"/>

PERIOD OF VALIDITY **20** Years

1. SERVICE AREA  OR SERVICE AREA DIAGRAM ATTACHED **01**

**3/Fb. FREQUENCY RANGE WITHIN WHICH THE CARRIERS WILL BE LOCATED**

	Add/Mod/Sup of the freq. range	FREQUENCY	K/M/G Hz	IFRB IDENTIFICATION NUMBER for modification/suppression
FROM	<input type="checkbox"/>	<b>1700000</b>	<b>G</b>	<input type="text"/>
TO	<input type="checkbox"/>	<b>2020000</b>	<b>G</b>	<input type="text"/>

**SPACE STATION EMISSIONS AND ASSOCIATED RECEIVING STATION(S) INFORMATION**

EMISSIONS AND POWER CHARACTERISTICS					8. MODULATION CHARACTERISTICS ATTACHED SEE ATTACHMENT NO.
6/4a3. NECESSARY BANDWIDTH OR Fc/G3a. DESIGNATION OF EMISSION <sup>1</sup>	4a2/4b. TOTAL PEAK POWER <sup>1</sup>	4a1/G3b. MAXIMUM POWER DENSITY	4c. MINIMUM CARRIER POWER <sup>1</sup>	Fd. SPACE STATION E.I.R.P. <sup>1</sup>	
<b>125MG7W</b>	+/- dBW	+/- dBW/Hz	+/- dBW	+/- dBW	<input type="text"/>
<input type="text"/>	<input type="text"/>	<b>-6000</b>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**F. SPACE STATION** ADD/MOD/SUP of the station

CHARACTERISTICS OF RECEIVING SPACE STATIONS FOR SPACE-TO-SPACE RELAYS

a. SPACE STATION NAME

**EARTH STATION** ADD/MOD/SUP of the station

DESIGNATION OF TYPICAL EARTH STATION

**65cm TERMINAL**

b/1. RADIATION PATTERN (give reference pattern or provide diagram)

**REC S465-5**

b/2. ANTENNA RADIATION DIAGRAM ATTACHED SEE FIGURE NO.:

8a. RECEIVING SYSTEM NOISE TEMPERATURE

Kelvins

**200**

G3c. BEACON AND TELEMETRY INFORMATION ATTACHED. SEE ATTACHMENT NO.: <sup>1</sup>

MORE EMISSIONS ON NEXT PAGE  MORE ASSOC. RECEIVING STATIONS ON NEXT PAGE

REMARKS:

**NOTES ON FILLING IN THIS PAGE :**  
 FOR EACH BEAM FIRST FILL IN THE BOX TITLED 'CHARACTERISTICS OF THE BEAM'.  
 FOR EACH SPACE-TO-EARTH SERVICE AREA ASSOCIATED WITH THIS BEAM, FILL IN THE UPPER PORTION OF THE BOX TITLED 'INFORMATION TO BE PROVIDED FOR THIS TRANSMITTING ANTENNA BEAM'. ALSO PROVIDE THE 'EMISSION AND POWER CHARACTERISTICS' FOR THIS TRANSMITTING ANTENNA BEAM. FOR EACH SIZE (TYPE) OF RECEIVING EARTH STATION PROVIDE THE EARTH STATION DETAILS AS SPECIFIED. IF THIS IS A SPACE-TO-SPACE RELAY, IDENTIFY THE OTHER SPACE STATION(S) IN THE BOX TITLED 'SPACE STATION'. USE AS MANY PAGES AS NECESSARY.