

UNION INTERNATIONALE DES TÉLÉCOMMUNICATIONS  
BUREAU DES RADIOCOMMUNICATIONS

INTERNATIONAL TELECOMMUNICATION UNION  
RADIOCOMMUNICATION BUREAU

UNIÓN INTERNACIONAL DE TELECOMUNICACIONES  
OFICINA DE RADIOCOMUNICACIONES

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RÉSEAU À SATELLITE SATELLITE NETWORK RED DE SATÉLITE		<b>MEXSAT113 L-CEXT-X</b>		PARTIE PART PARTE	<b>III-S</b>
STATION TERRIENNE EARTH STATION ESTACIÓN TERRENA		---		BR IFIC / DATE BR IFIC / DATE BR IFIC / FECHA	<b>2757 / 12.11.2013</b>
ADM. RESPONSABLE RESPONSIBLE ADM. ADM. RESPONSABLE	<b>MEX</b>	LONGITUDE NOMINALE NOMINAL LONGITUDE LONGITUD NOMINAL	<b>113 W</b>	NUMÉRO D'IDENTIFICATION IDENTIFICATION NUMBER NÚMERO DE IDENTIFICACIÓN	<b>113500073</b>
RENSEIGNEMENTS REÇUS PAR LE BUREAU LE / INFORMATION RECEIVED BY THE BUREAU ON / INFORMACIÓN RECIBIDA POR LA OFICINA EL					<b>24.05.2013</b>

Assignations de fréquence retournées à l'administration notificatrice au titre de		Frequency assignments returned to the notifying Administration under		Asignaciones de frecuencia devueltas a la Administración notificante en virtud del	
<b>X</b>	Article 11 du Règlement des radiocommunications	<b>X</b>	Article 11 of the Radio Regulations	<b>X</b>	Artículo 11 del Reglamento de Radiocomunicaciones
	Article 5 des Appendices 30 et/ou 30A		Article 5 of Appendices 30 and/or 30A		Artículo 5 de los Apéndices 30 y/o 30A
	Article 8 de l'Appendice 30B		Article 8 of Appendix 30B		Artículo 8 del Apéndice 30B

Pour plus d'informations sur les dispositions réglementaires et l'explication des codes ou symboles utilisés dans cette publication, veuillez consulter la <a href="#">Préface</a> .	For more details on the regulatory provisions and the explanation of the codes or symbols used in this publication, please consult the <a href="#">Preface</a> .	Para más detalles sobre las disposiciones reglamentarias y la explicación de los códigos o símbolos utilizados en esta publicación, sírvase consultar el <a href="#">Prefacio</a> .
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国际电信联盟  
无线电通信局

МЕЖДУНАРОДНЫЙ СОЮЗ ЭЛЕКТРОСВЯЗИ  
БЮРО РАДИОСВЯЗИ

الاتحاد الدولي للاتصالات  
مكتب الاتصالات الراديوية

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卫星网络 СПУТНИКОВАЯ СЕТЬ الشبكة الساتلية	<b>MEXSAT113 L-CEXT-X</b>	部分 ЧАСТЬ الجزء	<b>III-S</b>
地球站 ЗЕМНАЯ СТАНЦИЯ المحطة الأرضية	---	无线电通信局国际频率信息通报 / 日期 ИФИК БР / ДАТА النشرة الإعلامية الدولية للترددات / رقمها وتاريخها	<b>2757 / 12.11.2013</b>
负责主管部门 ОТВЕТСТВЕННАЯ АДМ. الإدارة المسؤولة	<b>МЕХ</b>	标称经度 НОМИНАЛЬНАЯ ДОЛГОТА خط الطول الاسمي	<b>113 W</b>
		识别号 ИДЕНТИФИКАЦИОННЫЙ НОМЕР رقم تعرف الهوية	<b>113500073</b>
通信局收到资料的日期 / ДАТА ПОЛУЧЕНИЯ ИНФОРМАЦИИ БЮРО / معلومات استلمها المكتب في			<b>24.05.2013</b>

根据以下条款退回发出通知主管部门的频率指配		Частотные присвоения, возвращенные заявляющей администрации согласно		تخصيصات تردد أعيدت إلى الإدارة المبلغة بموجب	
X	《无线电规则》第11条	X	Статья 11 Регламента радиосвязи	المادة 11 من لوائح الراديو	X
	附录30和/或30A第5条		Статья 5 Приложений 30 и/или 30A	المادة 5 من التذييلين 30 و/أو 30A	
	附录30B第8条		Статья 8 Приложения 30B	المادة 8 من التذييل 30B	

欲更详细了解本公报资料中使用的规则性条款和代码或符号的说明，请查阅 <a href="#">前言</a> 。	Более подробная информация о регламентарных положениях и разъяснение кодов либо обозначений, используемых в настоящей публикации, содержится в <a href="#">Предисловии</a> .	يرجى الرجوع إلى <a href="#">المقدمة</a> للاطلاع على مزيد من التفاصيل الخاصة بالأحكام التنظيمية وتفسير الرموز والمعطيات المستعملة في هذا القسم.
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<p>On trouvera la description des éléments de données utilisés dans les publications dans le document:</p> <ul style="list-style-type: none"> <li>- <a href="#">ItemsDescription F.pdf</a></li> <li>- <a href="http://www.itu.int/ITU-R/space/brific/legend/">http://www.itu.int/ITU-R/space/brific/legend/</a></li> </ul>	<p>The description of the data items used in the publications can be found in the document:</p> <ul style="list-style-type: none"> <li>- <a href="#">ItemsDescription E.pdf</a></li> <li>- <a href="http://www.itu.int/ITU-R/space/brific/legend/">http://www.itu.int/ITU-R/space/brific/legend/</a></li> </ul>	<p>La descripción de los datos empleados en las publicaciones figura en el documento:</p> <ul style="list-style-type: none"> <li>- <a href="#">ItemsDescription S.pdf</a></li> <li>- <a href="http://www.itu.int/ITU-R/space/brific/legend/">http://www.itu.int/ITU-R/space/brific/legend/</a></li> </ul>
<p>出版物中使用的数据项说明，见文件:</p> <ul style="list-style-type: none"> <li>- <a href="#">ItemsDescription C.pdf</a></li> <li>- <a href="http://www.itu.int/ITU-R/space/brific/legend/">http://www.itu.int/ITU-R/space/brific/legend/</a></li> </ul>	<p>Описание элементов данных, используемых в данной публикации, содержится в документе:</p> <ul style="list-style-type: none"> <li>- <a href="#">ItemsDescription R.pdf</a></li> <li>- <a href="http://www.itu.int/ITU-R/space/brific/legend/">http://www.itu.int/ITU-R/space/brific/legend/</a></li> </ul>	<p>يمكن الاطلاع على وصف عناصر المعطيات المستعملة في المنشورات في الوثيقة:</p> <p style="text-align: center;"><a href="#">ItemsDescription A.pdf</a></p> <p style="text-align: center;"><a href="http://www.itu.int/ITU-R/space/brific/legend/">http://www.itu.int/ITU-R/space/brific/legend/</a></p>

A	A1a Sat. Network	MEXSAT113 L-CEXT-X	A1f1 Notifying adm.	MEX	A1f3 Inter. sat. org.		BR1 Date of receipt	24.05.2013	BR20/BR21 BR IFIC no./part	2757/3
	BR6a/BR6b Id. no.	113500073	BR3a/BR3b Provision reference	11.2	N		BR2 Adm. serial no.			

Modification des caractéristiques techniques

Veillez noter que les caractéristiques techniques

	ont été modifiées
<b>X</b>	n'ont pas été modifiées

depuis la publication de la fiche de notification dans la Partie I-S de la BRIFIC 2748 / 09.07.2013.

Changes in Technical Characteristics

Please note that the technical characteristics

	have been modified
<b>X</b>	have not been modified

since the publication of the notice in Part I-S of BRIFIC 2748 / 09.07.2013.

Cambios en las características técnicas

Sírvase tomar nota de que las características técnicas

	se han modificado
<b>X</b>	no se han modificado

desde la publicación de la notificación en la Parte I-S de la BRIFIC 2748 / 09.07.2013.

技术特性的变化

请注意，自BRIFIC 2748 / 09.07.2013 I-S 部分中的通知公布以来，技术特性

	已经修改
<b>X</b>	未经修改

Изменения в технических характеристиках

Просьба учесть, что технические характеристики

	были изменены
<b>X</b>	не были изменены

после публикации заявки в Части I-S BRIFIC 2748 / 09.07.2013.

تغييرات في الخصائص التقنية

يرجى ملاحظة أن الخصائص التقنية

	خضعت للتعديل	
	لم تخضع للتعديل	<b>X</b>

منذ نشر معلومات بطاقة التبليغ في الجزء I-S من النشرة الإعلامية الدولية للترددات : BRIFIC2748 / 09.07.2013.

PARTIE III-S / PART III-S / PARTE III-S / 第III-S部分 / ЧАСТЬ III-S / III-S الجزء											
A	A1a Sat. Network	MEXSAT113 L-CEXT-X	A1f1 Notifying adm.	MEX	A1f3 Inter. sat. org.		BR1 Date of receipt	24.05.2013	BR20/BR21	BR IFIC no./part	2757/3
	BR6a/BR6b Id. no.	113500073	BR3a/BR3b Provision reference	11.2	N	BR2 Adm. serial no.					

Recouvrement des coûts / Cost recovery / Recuperación de costes / 成本回收 / Возмещение расходов / استرداد التكاليف

B1a Beam designation	B2 Emi-Rcp	BR8 Action code	BR7a Group id.	BR9 Action code	13A Conformity with RR	C3a Assigned freq. band	BR47 Frequency band (MHz)			BR15 Provision reference	BR53 Nb of freq.	C4a Class of station	BR54 Nb of emiss.	BR55 Nb of units
RH	R		113641910		A-N---	36000	6437	-	6713	9.7, X/9.7	7	EC	4	28
			113691411		A-N---	36000	6437	-	6713	X/9.7	7	EC	2	14
RV	R		113641911		A-N---	36000	6427	-	6703	9.7, X/9.7	7	EC	4	28
			113691412		A-N---	36000	6427	-	6703	X/9.7	7	EC	2	14
TH	E		113641908		A-N---	36000	3402	-	3678	9.7, X/9.7	7	EC	6	42
TV	E		113641909		A-N---	36000	3412	-	3688	9.7, X/9.7	7	EC	6	42

BR57 Category	N1
BR76 Total number of units in Part III-S	168

A	A1a Sat. Network	MEXSAT113 L-CEXT-X	A1f1 Notifying adm.	MEX	A1f3 Inter. sat. org.		BR1 Date of receipt	24.05.2013	BR20/BR21 BR IFIC no./part	2757/3
	BR6a/BR6b Id. no.	113500073	BR3a/BR3b Provision reference	11.2	N	BR2 Adm. serial no.			RH	R

BR19 Ref. to BR IFIC I A1f2 Submitted on behalf A4a1 Orbital long.  BR61 Original orb. long.  A4a2a East Long. tolerance limit  A4a2b West Long. tolerance limit  A4a2c Inclination excursion A17a Compliance with PFD limit dB(W/(m<sup>2</sup>·1MHz)) in the band 1164 - 1215 MHz A17b1 Calculated aggregate PFD value in the band 4990.0 - 5000.0 MHz  dB(W/(m<sup>2</sup>·10 MHz))A17b2 Calculated aggregate PFD value in the band 5030.0 - 5150.0 MHz  dB(W/(m<sup>2</sup>·150 kHz))A17d Mean PFD in the band 35.5 - 36.0 GHz  dB(W/(m<sup>2</sup>·1 MHz))A17e2a Calculated PFD value in the band 42.5 - 43.5 GHz at RA SDT  dB(W/(m<sup>2</sup>·1 GHz))A17e2b Calculated PFD value in the band 42.5 - 43.5 GHz at RA SDT  dB(W/(m<sup>2</sup>·500 kHz))A17e2c Calculated PFD value in the band 42.5 - 43.5 GHz at RA VLBI  dB(W/(m<sup>2</sup>·500 kHz))A16a Compliance with off-axis power limitation  A18a Aircraft earth station commitment B1a/BR17 Beam designation  B1b Steerable  B2 Emi-Rcp  B3a1 Max. co-polar gain  B3d Pointing accuracy B3b1 Co-polar ant. gain contours diag.  B3e Ant. gain vs orbit long. diag. 

B3c1 Co-polar antenna pattern

Co-polar ref. pattern	Coef. A	Coef. B			Co-polar rad. diag.

BR7a/BR7b Group id.  BR1 Date of receipt  C2c RR No. 4.4 A2a Date of bringing into use  A2b Period of valid.  A3a Op. agency  A3b Adm. resp.  BR16 Value of type C8b BR62 Expiry date for bringing into use  BR63 Confirmed date of bringing into use  BR64 Date of receipt of 1st Res49 BR14 Special Section C4a Class of station    C3a Assigned freq. band  C5a Noise temperature C4b Nature of service    C6a Polarization type  C6b Polarization angle C11a1 Service area no.  C11a2 Service area  C11a3 Service area diagram 

A5/A6 Coordinations/Agreements	9.7	O	LUX USA
	X/9.7	X	G J

C2a1 Assigned frequency

6455	MHz	6495	MHz	6535	MHz	6575	MHz	6615	MHz	6655	MHz	6695	MHz
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A13 Ref. to Special Sections	C7a Design. of emission		C8a1/C8b1 Max. peak pwr	C8a2/C8b2 Max. pwr dens.	C8c1 Min. peak pwr	C8c2 Attch.	C8c3 Min. pwr dens.	C8c4 Attch.	C8e1 C/N ratio	C8e2 Attch.
	API/A /5519	1	1M25G7W--	-27	-87.9	-34		-95		5.8
CR/C /2635	2	1M18G7W--	-34.2	-95	-34.2		-95		-0.9	
	3	591KG7W--	-37.2	-95	-37.2		-95		-0.9	
	4	149KG7W--	-34.2	-85.9	-34.2		-85.9		7.7	

C10b1 Assoc. earth station id.	C10b2 Type	C10c1 Geographical coord.	C10c2 Ctry	C10d1/C10d2 Cls. / Nat.	C10d3 Max. iso. gain	C10d4 Bmwdth	C10d7 Ant. diameter	C10d9 Ant. dim. (DGSO)	C8g1 Max. aggr. pwr.	C8g2 Aggr. bandwidth	C8g3 Transp. bandwidth = Aggr. bandwidth
TIPICA 11.0 MEX	T			1 TC 2 TC	CO CP	50.96	0.5	11			

PARTIE III-S / PART III-S / PARTE III-S / 第III-S部分 / ЧАСТЬ III-S / III-S الجزء

A A1a Sat. Network MEXSAT113 L-CEXT-X A1f1 Notifying adm. MEX A1f3 Inter. sat. org. BR1 Date of receipt 24.05.2013 BR20/BR21 BR IFIC no./part 2757/3  
 BR6a/BR6b Id. no. 113500073 BR3a/BR3b Provision reference 11.2 N BR2 Adm. serial no. RH R

3 TC CR

C10d5a Co-polar antenna pattern

C10b1 Assoc. earth station id.	Co-polar ref. pattern	Coef. A	Coef. B	Coef. C	Coef. D	Phi1	Co-polar rad. diag.
TIPICA 11.0 MEX	A-25*LOG(FI)	32					

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

BR7a/BR7b Group id. 113691411 BR1 Date of receipt 24.05.2013 C2c RR No. 4.4

A2a Date of bringing into use 13.05.2013 A2b Period of valid. 25 A3a Op. agency 124 A3b Adm. resp. A BR16 Value of type C8b  
 BR62 Expiry date for bringing into use 05.02.2016 BR63 Confirmed date of bringing into use 13.05.2013 BR64 Date of receipt of 1st Res49  
 BR14 Special Section  
 C4a Class of station EC EC EC C3a Assigned freq. band 36000 C5a Noise temperature 560  
 C4b Nature of service CO CP CR C6a Polarization type H C6b Polarization angle  
 C11a1 Service area no. 1 C11a2 Service area C11a3 Service area diagram 9

A5/A6 Coordinations/Agreements X/9.7 X

C2a1 Assigned frequency

6455	MHz	6495	MHz	6535	MHz	6575	MHz	6615	MHz	6655	MHz	6695	MHz
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A13 Ref. to Special Sections	C7a Design. of emission	C8a1/C8b1 Max. peak pwr	C8a2/C8b2 Max. pwr dens.	C8c1 Min. peak pwr	C8c2 Attch.	C8c3 Min. pwr dens.	C8c4 Attch.	C8e1 C/N ratio	C8e2 Attch.
API/A /5519	1 22K2G7W--	-40	-83.4	-40		-83.4		0.9	
CR/C /2635	2 3K60G7W--	-40	-83.4	-40		-83.4		6.8	

C10b1 Assoc. earth station id.	C10b2 Type	C10c1 Geographical coord.	C10c2 Ctry	C10d1/C10d2 Cls. / Nat.	C10d3 Max. iso. gain	C10d4 Bmwidth	C10d7 Ant. diameter	C10d9 Ant. dim. (DGSO)	C8g1 Max. aggr. pwr.	C8g2 Aggr. bandwidth	C8g3 Transp. bandwidth = Aggr. bandwidth
TIPICA 11.0 MEX	T			1 TC CO 2 TC CP 3 TC CR	50.96	0.5	11				

C10d5a Co-polar antenna pattern

C10b1 Assoc. earth station id.	Co-polar ref. pattern	Coef. A	Coef. B	Coef. C	Coef. D	Phi1	Co-polar rad. diag.
TIPICA 11.0 MEX	A-25*LOG(FI)	32					

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

B1a/BR17 Beam designation RV B1b Steerable B2 Emi-Rcp R B3a1 Max. co-polar gain 43.3 B3d Pointing accuracy 0.09  
 B3b1 Co-polar ant. gain contours diag. 1 B3e Ant. gain vs orbit long. diag. 2

B3c1 Co-polar antenna pattern

Co-polar ref. pattern	Coef. A	Coef. B	Co-polar rad. diag.

BR7a/BR7b Group id. 113641911 BR1 Date of receipt 24.05.2013 C2c RR No. 4.4



A1 Sat. Network MEXSAT113 L-CEXT-X A1f1 Notifying adm. MEX A1f3 Inter. sat. org. BR1 Date of receipt 24.05.2013 BR20/BR21 BR IFIC no./part 2757/3  
 BR6a/BR6b Id. no. 113500073 BR3a/BR3b Provision reference 11.2 N BR2 Adm. serial no. RV R

A2a Date of bringing into use 13.05.2013 A2b Period of valid. 25 A3a Op. agency 124 A3b Adm. resp. A BR16 Value of type C8b  
 BR62 Expiry date for bringing into use 05.02.2016 BR63 Confirmed date of bringing into use 13.05.2013 BR64 Date of receipt of 1st Res49

BR14 Special Section  
 C4a Class of station EC EC EC C3a Assigned freq. band 36000 C5a Noise temperature 560  
 C4b Nature of service CP CO CR C6a Polarization type V C6b Polarization angle  
 C11a1 Service area no. 1 C11a2 Service area C11a3 Service area diagram 9

A5/A6 Coordinations/Agreements 9.7 O LUX USA  
 X/9.7 X G J

C2a1 Assigned frequency  
 6445 MHz 6485 MHz 6525 MHz 6565 MHz 6605 MHz 6645 MHz 6685 MHz

A13 Ref. to Special Sections		C7a Design. of emission		C8a1/C8b1 Max. peak pwr	C8a2/C8b2 Max. pwr dens.	C8c1 Min. peak pwr	C8c2 Attch.	C8c3 Min. pwr dens.	C8c4 Attch.	C8e1 C/N ratio	C8e2 Attch.
API/A	/5519	1	1M25G7W--	-27	-87.9	-34		-95		5.8	
CR/C	/2635	2	1M18G7W--	-34.2	-95	-34.2		-95		-0.9	
		3	591KG7W--	-37.2	-95	-37.2		-95		-0.9	
		4	149KG7W--	-34.2	-85.9	-34.2		-85.9		7.7	

C10b1 Assoc. earth station id.	C10b2 Type	C10c1 Geographical coord.		C10c2 Ctry	C10d1/C10d2 Cls. / Nat.		C10d3 Max. iso. gain	C10d4 Bmwidth	C10d7 Ant. diameter	C10d9 Ant. dim. (DGSO)	C8g1 Max. aggr. pwr.	C8g2 Aggr. bandwidth	C8g3 Transp. bandwidth = Aggr. bandwidth
TIPICA 11.0 MEX	T				1	TC CR	50.36	0.54	11				
					2	TC CO							
					3	TC CP							

C10d5a Co-polar antenna pattern							
C10b1 Assoc. earth station id.	Co-polar ref. pattern	Coef. A	Coef. B	Coef. C	Coef. D	Phi1	Co-polar rad. diag.
TIPICA 11.0 MEX	A-25*LOG(FI)	32					

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

BR7a/BR7b Group id. 113691412 BR1 Date of receipt 24.05.2013 C2c RR No. 4.4  
 A2a Date of bringing into use 13.05.2013 A2b Period of valid. 25 A3a Op. agency 124 A3b Adm. resp. A BR16 Value of type C8b  
 BR62 Expiry date for bringing into use 05.02.2016 BR63 Confirmed date of bringing into use 13.05.2013 BR64 Date of receipt of 1st Res49

BR14 Special Section  
 C4a Class of station EC EC EC C3a Assigned freq. band 36000 C5a Noise temperature 560  
 C4b Nature of service CP CO CR C6a Polarization type V C6b Polarization angle  
 C11a1 Service area no. 1 C11a2 Service area C11a3 Service area diagram 9

A5/A6 Coordinations/Agreements X/9.7 X

C2a1 Assigned frequency  
 6445 MHz 6485 MHz 6525 MHz 6565 MHz 6605 MHz 6645 MHz 6685 MHz

A13 Ref. to Special Sections		C7a Design. of emission		C8a1/C8b1 Max. peak pwr	C8a2/C8b2 Max. pwr dens.	C8c1 Min. peak pwr	C8c2 Attch.	C8c3 Min. pwr dens.	C8c4 Attch.	C8e1 C/N ratio	C8e2 Attch.
API/A	/5519	1	22K2G7W--	-40	-83.4	-40		-83.4		0.9	



PARTIE III-S / PART III-S / PARTE III-S / 第III-S部分 / ЧАСТЬ III-S / III-S الجزء

A A1a Sat. Network MEXSAT113 L-CEXT-X A1f1 Notifying adm. MEX A1f3 Inter. sat. org. BR1 Date of receipt 24.05.2013 BR20/BR21 BR IFIC no./part 2757/3

BR6a/BR6b Id. no. 113500073 BR3a/BR3b Provision reference 11.2 N BR2 Adm. serial no. RV R

CR/C /2635 2 3K60G7W-- -40 -83.4 -40 -83.4 6.8

C10b1 Assoc. earth station id.	C10b2 Type	C10c1 Geographical coord.	C10c2 Ctry	C10d1/C10d2 Cls. / Nat.	C10d3 Max. iso. gain	C10d4 Bmwidth	C10d7 Ant. diameter	C10d9 Ant. dim. (DGSO)	C8g1 Max. aggr. pwr.	C8g2 Aggr. bandwidth	C8g3 Transp. bandwidth = Aggr. bandwidth
TIPICA 11.0 MEX	T			1 TC CR 2 TC CO 3 TC CP	50.36	0.54	11				

C10d5a Co-polar antenna pattern							
C10b1 Assoc. earth station id.	Co-polar ref. pattern	Coef. A	Coef. B	Coef. C	Coef. D	Phi1	Co-polar rad. diag.
TIPICA 11.0 MEX	A-25*LOG(FI)	32					

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

13C Remarks

B1a/BR17 Beam designation TH B1b Steerable B2 Emi-Rcp E B3a1 Max. co-polar gain 37.9 B3d Pointing accuracy 0.09

B3b1 Co-polar ant. gain contours diag. 5 B3e Ant. gain vs orbit long. diag. 6

B3c1 Co-polar antenna pattern						
Co-polar ref. pattern	Coef. A	Coef. B				Co-polar rad. diag.

BR7a/BR7b Group id. 113641908 BR1 Date of receipt 24.05.2013 C2c RR No. 4.4

A2a Date of bringing into use 13.05.2013 A2b Period of valid. 25 A3a Op. agency 124 A3b Adm. resp. A BR16 Value of type C8b

BR62 Expiry date for bringing into use 05.02.2016 BR63 Confirmed date of bringing into use 13.05.2013 BR64 Date of receipt of 1st Res49

BR14 Special Section

C4a Class of station EC EC EC C3a Assigned freq. band 36000

C4b Nature of service CP CR CO C6a Polarization type H C6b Polarization angle

C8d1 Max. tot. peak pwr. 20.7 C8d2 Contiguous bandwidth 36000

C11a1 Service area no. 1 C11a2 Service area C11a3 Service area diagram 10

A5/A6 Coordinations/Agreements 9.7 O LUX USA  
X/9.7 X G J

C2a1 Assigned frequency													
3420	MHz	3460	MHz	3500	MHz	3540	MHz	3580	MHz	3620	MHz	3660	MHz

A13 Ref. to Special Sections	C7a Design. of emission	C8a1/C8b1 Max. peak pwr	C8a2/C8b2 Max. pwr dens.	C8c1 Min. peak pwr	C8c2 Attch.	C8c3 Min. pwr dens.	C8c4 Attch.	C8e1 C/N ratio	C8e2 Attch.
API/A /5519	1 1M25G7W--	2.8	-58.2	-2.5		-63.5		9.8	
CR/C /2635	2 1M18G7W--	2.6	-58.2	-19.8		-80.5		5.9	
	3 591KG7W--	-0.4	-58.2	-20.8		-78.5		5.9	
	4 149KG7W--	-6.4	-58.2	-15.8		-67.5		13.5	
	5 22K2G7W--	-14.7	-58.2	-25		-68.5		5.9	
	6 3K60G7W--	-22.6	-58.2	-27.9		-63.5		13.5	

PARTIE III-S / PART III-S / PARTE III-S / 第III-S部分 / ЧАСТЬ III-S / III-S الجزء

A A1a Sat. Network MEXSAT113 L-CEXT-X A1f1 Notifying adm. MEX A1f3 Inter. sat. org. BR1 Date of receipt 24.05.2013 BR20/BR21 BR IFIC no./part 2757/3

BR6a/BR6b Id. no. 113500073 BR3a/BR3b Provision reference 11.2 N BR2 Adm. serial no. TH E

C10b1 Assoc. earth station id.	C10b2 Type	C10c1 Geographical coord.	C10c2 Ctry	C10d1/C10d2 Cls. / Nat.	C10d3 Max. iso. gain	C10d4 Bmwdth	C10d6 Noise temp.	C10d7 Ant. diameter	C10d9 Ant. dim. (DGSO)
TIPICA 11.0 MEX	T			1 TC CP 2 TC CR 3 TC CO	50.36	0.54	127	11	

C10d5a Co-polar antenna pattern							
C10b1 Assoc. earth station id.	Co-polar ref. pattern	Coef. A	Coef. B	Coef. C	Coef. D	Phi1	Co-polar rad. diag.
TIPICA 11.0 MEX	A-25*LOG(FI)	32					

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

13C Remarks

B1a/BR17 Beam designation TV B1b Steerable B2 Emi-Rcp E B3a1 Max. co-polar gain 37.9 B3d Pointing accuracy 0.09

B3b1 Co-polar ant. gain contours diag. 7 B3e Ant. gain vs orbit long. diag.

B3c1 Co-polar antenna pattern				
Co-polar ref. pattern	Coef. A	Coef. B		Co-polar rad. diag.

BR7a/BR7b Group id. 113641909 BR1 Date of receipt 24.05.2013 C2c RR No. 4.4

A2a Date of bringing into use 13.05.2013 A2b Period of valid. 25 A3a Op. agency 124 A3b Adm. resp. A BR16 Value of type C8b

BR62 Expiry date for bringing into use 05.02.2016 BR63 Confirmed date of bringing into use 13.05.2013 BR64 Date of receipt of 1st Res49

BR14 Special Section

C4a Class of station EC EC EC C3a Assigned freq. band 36000

C4b Nature of service CP CR CO C6a Polarization type V C6b Polarization angle

C8d1 Max. tot. peak pwr. 20.7 C8d2 Contiguous bandwidth 36000

C11a1 Service area no. 1 C11a2 Service area C11a3 Service area diagram 10

A5/A6 Coordinations/Agreements 9.7 O LUX USA  
X/9.7 X G J

C2a1 Assigned frequency																	
3430	MHz	3470	MHz	3510	MHz	3550	MHz	3590	MHz	3630	MHz	3670	MHz				
A13 Ref. to Special Sections		C7a Design. of emission		C8a1/C8b1 Max. peak pwr		C8a2/C8b2 Max. pwr dens.		C8c1 Min. peak pwr		C8c2 Attch.		C8c3 Min. pwr dens.		C8e1 C/N ratio		C8e2 Attch.	
API/A	/5519	1	1M25G7W--	2.8	-58.2	-2.5	-63.5	9.8									
CR/C	/2635	2	1M18G7W--	2.6	-58.2	-19.8	-80.5	5.9									
		3	591KG7W--	-0.4	-58.2	-20.8	-78.5	5.9									
		4	149KG7W--	-6.4	-58.2	-15.8	-67.5	13.5									
		5	22K2G7W--	-14.7	-58.2	-25	-68.5	5.9									
		6	3K60G7W--	-22.6	-58.2	-27.9	-63.5	13.5									

C10b1 Assoc. earth station id.	C10b2 Type	C10c1 Geographical coord.	C10c2 Ctry	C10d1/C10d2 Cls. / Nat.	C10d3 Max. iso. gain	C10d4 Bmwdth	C10d6 Noise temp.	C10d7 Ant. diameter	C10d9 Ant. dim. (DGSO)
TIPICA 11.0 MEX	T			1 TC CP	50.36	0.54	127	11	



PARTIE III-S / PART III-S / PARTE III-S / 第III-S部分 / ЧАСТЬ III-S / III-S الجزء

A	A1a Sat. Network	MEXSAT113 L-CEXT-X	A1f1 Notifying adm.	MEX	A1f3 Inter. sat. org.		BR1 Date of receipt	24.05.2013	BR20/BR21 BR IFIC no./part	2757/3
	BR6a/BR6b Id. no.	113500073	BR3a/BR3b Provision reference	11.2		N	BR2 Adm. serial no.		TV	E

						2	TC	CR							
						3	TC	CO							

<b>C10d5a Co-polar antenna pattern</b>										
C10b1 Assoc. earth station id.	Co-polar ref. pattern	Coef. A	Coef. B	Coef. C	Coef. D	Phi1	Co-polar rad. diag.			
TIPICA 11.0 MEX	A-25*LOG(FI)	32								

<b>Findings</b>	2D Date of protection		13A Conformity with RR	A-	N-	--	13B1 Provision		13B2 Remarks		13B3 Date of Review	
	13C Remarks											



Figure / Figura / 图 / Рисунок / 1 الشكل

ZONE DE SERVICE ET CONTOURS (COPOLAIRES) DE GAIN DE L'ANTENNE DE RECEPTION DE LA STATION SPATIALE  
SPACE STATION RECEIVING ANTENNA GAIN CONTOURS (CO-POLAR) AND SERVICE AREA  
ZONA DE SERVICIO Y CONTORNOS (COPOLARES) DE GANANCIA DE LA ANTENA RECEPTORA DE LA ESTACION ESPACIAL  
空间台站接收天线增益等值线(同极)和业务区  
ЗОНА ОБСЛУЖИВАНИЯ И (КОПОЛЯРНЫЕ) КОНТУРЫ УСИЛЕНИЯ ПРИЕМНОЙ АНТЕННЫ КОСМИЧЕСКОЙ СТАНЦИИ  
منطقة الخدمة وأكفة الكسب (متحد الاستقطاب) لهوائي الاستقبال للمحطة الفضائية

**MEXSAT113 L-CEXT-X (113° W)**

**Faisceau / Beam / Haz / 波束 / Луч / الحزمة : RH**

**Gmax: 43.3 dBi**



**Zone de service / Service area / Zona de servicio / 业务区 / Зона обслуживания / منطقة الخدمة : RH (No. 01)**

Figure / Figura / 图 / Рисунок / 2 الشكل

ZONE DE SERVICE ET CONTOURS (COPOLAIRES) DE GAIN DE L'ANTENNE DE RECEPTION DE LA STATION SPATIALE  
SPACE STATION RECEIVING ANTENNA GAIN CONTOURS (CO-POLAR) AND SERVICE AREA  
ZONA DE SERVICIO Y CONTORNOS (COPOLARES) DE GANANCIA DE LA ANTENA RECEPTORA DE LA ESTACION ESPACIAL  
空间台站接收天线增益等值线(同极)和业务区  
ЗОНА ОБСЛУЖИВАНИЯ И (КОПОЛЯРНЫЕ) КОНТУРЫ УСИЛЕНИЯ ПРИЕМНОЙ АНТЕННЫ КОСМИЧЕСКОЙ СТАНЦИИ  
منطقة الخدمة وأكفة الكسب (متحد الاستقطاب) لهوائي الاستقبال للمحطة الفضائية

**MEXSAT113 L-CEXT-X (113° W)**

**Faisceau / Beam / Haz / 波束 / Луч / الحزمة : RV**

**Gmax: 43.3 dBi**



**Zone de service / Service area / Zona de servicio / 业务区 / Зона обслуживания / منطقة الخدمة : RV (No. 01)**

Figure / Figura / 图 / Рисунок / 3 الشكل

ZONE DE SERVICE ET CONTOURS (COPOLAIRES) DE GAIN DE L'ANTENNE D'EMISSION DE LA STATION SPATIALE  
SPACE STATION TRANSMITTING ANTENNA GAIN CONTOURS (CO-POLAR) AND SERVICE AREA  
ZONA DE SERVICIO Y CONTORNOS (COPOLARES) DE GANANCIA DE LA ANTENA TRANSMISORA DE LA ESTACION ESPACIAL  
空间台站发射天线增益等值线(同极)和业务区

ЗОНА ОБСЛУЖИВАНИЯ И (КОПОЛЯРНЫЕ) КОНТУРЫ УСИЛЕНИЯ ПЕРЕДАЮЩЕЙ АНТЕННЫ КОСМИЧЕСКОЙ СТАНЦИИ

منطقة الخدمة وأكفة الكسب (متحد الاستقطاب) لهوائي الإرسال للمحطة الفضائية

**MEXSAT113 L-CEXT-X (113° W)**

**Faisceau / Beam / Haz / 波束 / Луч / الحزمة : TH**

**Gmax: 37.9 dBi**



**Zone de service / Service area / Zona de servicio / 业务区 / Зона обслуживания / منطقة الخدمة : TH (No. 01)**

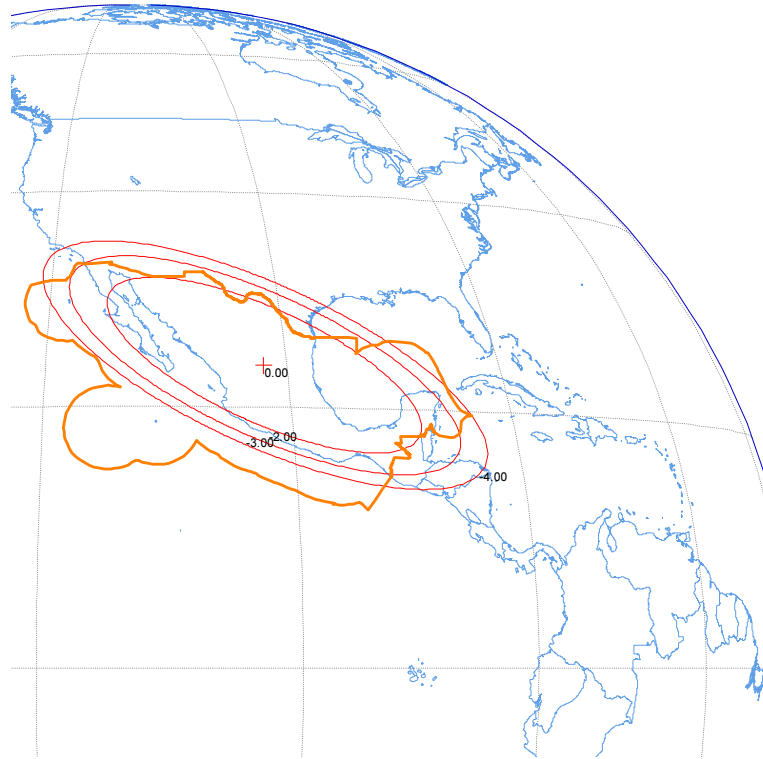
Figure / Figura / 图 / Рисунок / 4 الشكل

ZONE DE SERVICE ET CONTOURS (COPOLAIRES) DE GAIN DE L'ANTENNE D'EMISSION DE LA STATION SPATIALE  
SPACE STATION TRANSMITTING ANTENNA GAIN CONTOURS (CO-POLAR) AND SERVICE AREA  
ZONA DE SERVICIO Y CONTORNOS (COPOLARES) DE GANANCIA DE LA ANTENA TRANSMISORA DE LA ESTACION ESPACIAL  
空间台站发射天线增益等值线(同极)和业务区  
ЗОНА ОБСЛУЖИВАНИЯ И (КОПОЛЯРНЫЕ) КОНТУРЫ УСИЛЕНИЯ ПЕРЕДАЮЩЕЙ АНТЕННЫ КОСМИЧЕСКОЙ СТАНЦИИ  
منطقة الخدمة وأكفة الكسب (متحد الاستقطاب) لهوائي الإرسال للمحطة الفضائية

**MEXSAT113 L-CEXT-X (113° W)**

**Faisceau / Beam / Haz / 波束 / Луч / الحزمة : TV**

**Gmax: 37.9 dBi**



**Zone de service / Service area / Zona de servicio / 业务区 / Зона обслуживания / منطقة الخدمة : TV (No. 01)**

Figure / Figura / 图 / Рисунок / 5 الشكل

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 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

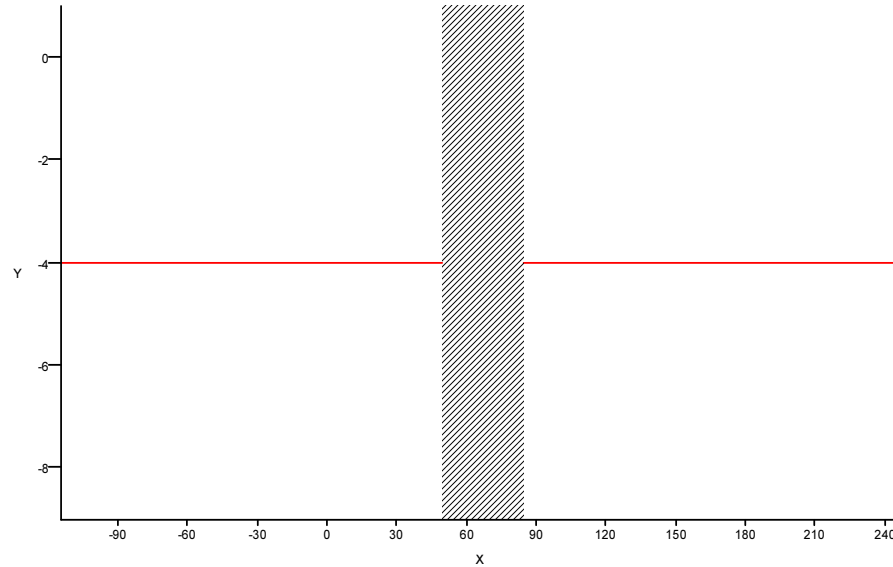
对地静止卫星轨道方向的空间台站接收天线估算增益

РАСЧЕТНОЕ УСИЛЕНИЕ ПРИЕМНОЙ АНТЕННЫ КОСМИЧЕСКОЙ СТАНЦИИ В НАПРАВЛЕНИИ ОРБИТЫ ГЕОСТАЦИОНАРНЫХ СПУТНИКОВ

الكسب المقدر لهوائي الاستقبال للمحطة الفضائية في اتجاه مدار السواتل المستقرة بالنسبة إلى الأرض

**MEXSAT113 L-CEXT-X (113° W)**

**Faisceau / Beam / Haz / 波束 / Луч / الحزمة : RH**



X = Longitude (degrees)

Longitude (degrés)

Longitud (grados)

经度(度)

Долгота (в градусах)

خط الطول (بالدرجات)

Y = Gain (dBi)

Gain (dBi)

Ganancia (dBi)

增益 (dBi)

Усиление (дБ)

الكسب (dBi)

Obstructed Zone

Zone Occultée

Zona Ocultada

受阻区

Закрытая зона

منطقة محجوبة



Figure / Figura / 图 / Рисунок / 6 الشكل

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 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

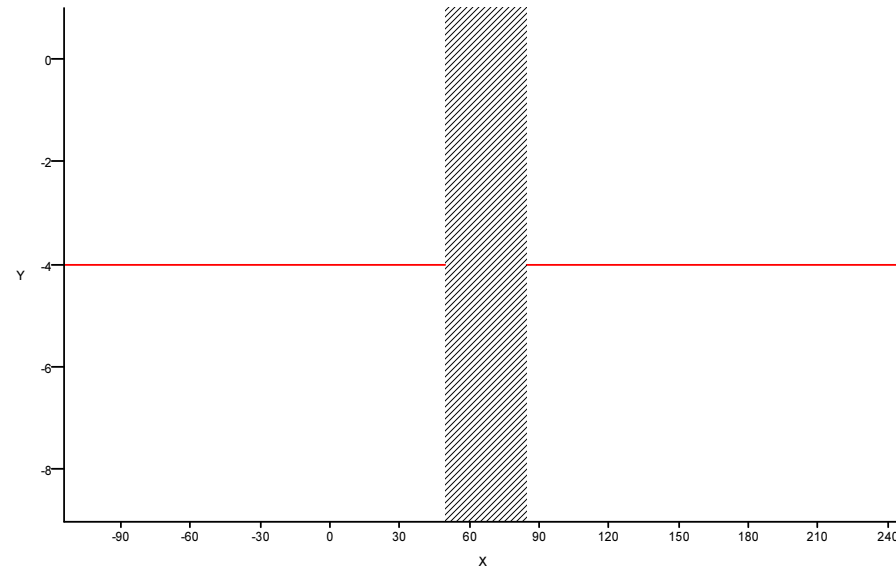
对地静止卫星轨道方向的空间台站接收天线估算增益

РАСЧЕТНОЕ УСИЛЕНИЕ ПРИЕМНОЙ АНТЕННЫ КОСМИЧЕСКОЙ СТАНЦИИ В НАПРАВЛЕНИИ ОРБИТЫ ГЕОСТАЦИОНАРНЫХ СПУТНИКОВ

الكسب المقدر لهوائي الاستقبال للمحطة الفضائية في اتجاه مدار السواتل المستقرة بالنسبة إلى الأرض

**MEXSAT113 L-CEXT-X (113° W)**

**Faisceau / Beam / Haz / 波束 / Луч / الحزمة : RV**



X =	Longitude (degrees)	Longitude (degrés)	Longitud (grados)	经度 (度)	Долгота (в градусах)	خط الطول (بالدرجات)
Y =	Gain (dBi)	Gain (dBi)	Ganancia (dBi)	增益 (dBi)	Усиление (дБ)	الكسب (dBi)
	Obstructed Zone	Zone Occultée	Zona Ocultada	受阻区	Закрытая зона	منطقة محجوبة

Figure / Figura / 图 / Рисунок / 7 الشكل

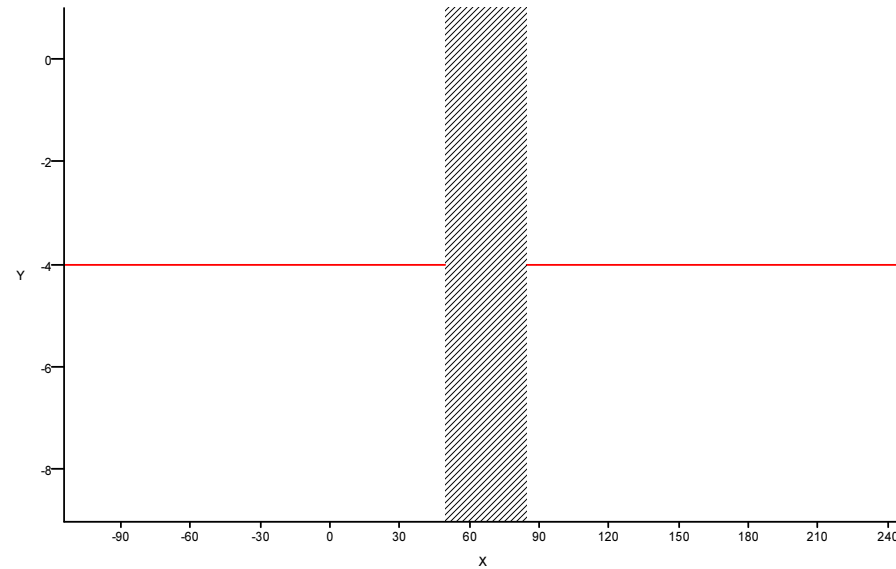
GAIN ESTIME DE L'ANTENNE D'EMISSION DE LA STATION SPATIALE DANS LA DIRECTION DE L'ORBITE DES SATELLITES GEOSTATIONNAIRES  
ESTIMATED GAIN OF THE SPACE STATION TRANSMITTING ANTENNA IN THE DIRECTION OF THE GEOSTATIONARY SATELLITE ORBIT  
GANANCIA ESTIMADA DE LA ANTENA TRANSMISORA DE LA ESTACION ESPACIAL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

对地静止卫星轨道方向的空间台站发射天线估算增益  
РАСЧЕТНОЕ УСИЛЕНИЕ ПЕРЕДАЮЩЕЙ АНТЕННЫ КОСМИЧЕСКОЙ СТАНЦИИ В НАПРАВЛЕНИИ ОРБИТЫ ГЕОСТАЦИОНАРНЫХ СПУТНИКОВ

الكسب المقدر لهوائي الإرسال للمحطة الفضائية في اتجاه مدار السواتل المستقرة بالنسبة إلى الأرض

**MEXSAT113 L-CEXT-X (113° W)**

Faisceau / Beam / Haz / 波束 / Луч / الحزمة : TH



X =	Longitude (degrees)	Longitude (degrés)	Longitud (grados)	经度 (度)	Долгота (в градусах)	خط الطول (بالدرجات)
Y =	Gain (dBi)	Gain (dBi)	Ganancia (dBi)	增益 (dBi)	Усиление (дБ)	الكسب (dBi)
	Obstructed Zone	Zone Occultée	Zona Ocultada	受阻区	Закрытая зона	منطقة محجوبة