



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	SWISSCUBE	PARTIE PART PARTE	I-S
STATION TERRIENNE EARTH STATION ESTACIÓN TERRENA	---	BR IFIC / DATE BR IFIC / DATE BR IFIC / FECHA	2611 / 22.01.2008
ADM. RESPONSABLE RESPONSIBLE ADM. ADM. RESPONSABLE	SUI	LONGITUDE NOMINALE NOMINAL LONGITUDE LONGITUD NOMINAL	NGSO
		NUMÉRO D'IDENTIFICATION IDENTIFICATION NUMBER NÚMERO DE IDENTIFICACIÓN	107500492
RENSEIGNEMENTS REÇUS PAR LE BUREAU LE / INFORMATION RECEIVED BY THE BUREAU ON / INFORMACIÓN RECIBIDA POR LA OFICINA EL			09.11.2007

Notifications received under / Notificaciones reçues au titre de / Notificaciones recibidas en virtud de lo dispuesto en

Article 11 du Règlement des radiocommunications / Article 11 of the Radio Regulations / 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 [Préface](#)

For more details on the regulatory provisions and the explanation of the codes or symbols used in this publication, please consult the [Preface](#).

Para más detalles sobre las disposiciones reglamentarias y la explicación de los códigos o símbolos utilizados en esta publicación, sírvase consultar el [Prefacio](#).



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	SWISSCUBE	部分 Часть الجزء	I-S
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	2611 / 22.01.2008
负责主管部门 ОТВЕТСТВЕННАЯ АДМ. الإدارة المسؤولة	SUI	标称经度 НОМИНАЛЬНАЯ ДОЛГОТА خط الطول الاسمي	NGSO
识别号 ИДЕНТИФИКАЦИОННЫЙ НОМЕР رقم تعرف الهوية			107500492
通信局收到资料的日期 / ДАТА ПОЛУЧЕНИЯ ИНФОРМАЦИИ БЮРО / معلومات استلمها المكتب في			09.11.2007

根据以下条款收到的通知 / Заявления, полученные согласно / بطاقات تبليغ مستلمة بموجب

X	《无线电规则》第 11 条 / Статья 11 Регламента радиосвязи / المادة 11 من لوائح الراديو
	附录 30 和/或 30A 第 5 条 / Статья 5 Приложений 30 и/или 30A / 30A 或/أو 30 的第 5 条 / المادة 5 من التذييلين 30 و/أو 30A / 30A 或/أو 30 的第 5 条
	附录 30B 第 8 条 / Статья 8 Приложения 30B / 30B 的第 8 条 / المادة 8 من التذييل 30B / 30B 的第 8 条

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Более подробная информация о регламентарных положениях и разъяснение кодов либо обозначений, используемых в настоящей публикации, содержится в [Предисловии](#).

يرجى الرجوع إلى [المقدمة](#) للاطلاع على مزيد من التفاصيل الخاصة بالأحكام التنظيمية وتفسير الرموز والمعطيات المستعملة في هذا القسم.

<p>On trouvera la description des éléments de données utilisés dans les publications pour la Partie I-S, la Partie II-S et la Partie III-S dans le document: ItemsDescription_F.pdf</p>	<p>The description of the data items used in the publications for Part I-S, Part II-S and Part III-S can be found in the document: ItemsDescription_E.pdf</p>	<p>La descripción de los datos empleados en las publicaciones de la Parte I-S, Parte II-S y Parte III-S figura en el documento: ItemsDescription_S.pdf</p>
<p>可在下列文件中查到I-S部分、II-S部分和III-S部分各项公布中所用各项数据的描述: ItemsDescription_C.pdf</p>	<p>Описание элементов данных, используемых в публикациях для Части I-S, Части II-S и Части III-S, можно найти в документе: ItemsDescription_R.pdf</p>	<p>يُرد وصف لبنود البيانات المستعملة في منشورات الجزء I-S والجزء II-S والجزء III-S في الوثيقة: ItemsDescription_A.pdf</p>

PARTIE I-S / PART I-S / PARTE I-S / 第I-S部分 / ЧАСТЬ I-S / الجزء I-S										
A	A1a Sat. Network	SWISSCUBE	A1f1 Notifying adm.	SUI	A1f3 Inter. sat. org.		BR1 Date of receipt	09.11.2007	BR20/BR21 BR IFIC no./part	2611/1
	BR6a/BR6b Id. no.	107500492	BR3a/BR3b Provision reference	11.2	N		BR2 Adm. serial no.			

Résumé / Summary / Resumen / 綜述 / Резюме / خلاصة

B1a Beam designation	B2 Emi-Rcp	BR8 action code	BR7a Group id.	BR9 action code	C3a Assigned freq. band	BR47 Frequency band (MHz)	BR53 Nb of freq.	C4a Class of station	BR54 Nb of emiss.
UPLINK	R		107656609		4	145.978 - 145.982	1	EA	1
DOWNLINK	E		107656608		4	437.503 - 437.507	1	EA	2

A A1a Sat. Network SWISSCUBE A1f1 Notifying adm. SUI A1f3 Inter. sat. org. BR1 Date of receipt 09.11.2007 BR20/BR21 BR IFIC no./part 2611/1
 BR6a/BR6b Id. no. 107500492 BR3a/BR3b Provision reference 11.2 N BR2 Adm. serial no. UPLINK R

A1f2 Submitted on behalf

A4b1 No. of orbital planes 1 A4b2 Ref. body T

A4b3a No. of space stations simult. trans. on Northern Hemisphere 1 A4b3b No. of space stations simult. trans. on Southern Hemisphere

A4b7a Max. sat. rcv. simul. A4b7b Avg. no. of As. E-stn A4b7c Avg. distance A4b7d1 Excl. zone type A4b7d2 Excl. zone width A4b7d3 Attach.

Orbital plane no. 1

A4b4a Inclination angle 10 A4b4b No. of satellites in this plane 1 A4b4c Period 0-01:38 A4b4d Apogee 1000e0 A4b4e Perigee 1000e0

A4b5a Right asc. A4b5c Arg. of perigee

A4b6b Min. operating altitude A4b6c Station keeping A4b6d Repeat period A4b6e Specific modelled station A4b6f Precession rate

A4b6g Long. asc. node A4b6j Long. tolerance

A17a Compliance with PFD limit dB(W/(m²·1MHz)) in the band 1164 - 1215 MHz Y

A17b2 Calculated aggregate PFD value in the band 5030.0 - 5150.0 MHz dB(W/(m²·150 kHz))

A17b3 EPFD in the band 4990.0 - 5000.0 MHz dB(W/(m²·10 MHz))

A17c Aggregate PFD in the band 15.35 - 15.4 GHz dB(W/(m²·50 MHz))

A17d Mean PFD in the band 35.5 - 36.0 GHz dB(W/(m²·1 MHz))

A17e1a Calculated EPFD value in the band 42.5 - 43.5 GHz at RA SDT dB(W/(m²·1 GHz))

A17e1b Calculated EPFD value in the band 42.5 - 43.5 GHz at RA SDT dB(W/(m²·500 kHz))

A17e1c Calculated EPFD value in the band 42.5 - 43.5 GHz at RA VLBI dB(W/(m²·500 kHz))

A15a EPFD compliance A18a Aircraft earth station commitment

B1a/BR17 Beam designation UPLINK B1b Steerable B2 Emi-Rcp R B3a1 Max. co-polar gain 3

B3c1 Co-polar antenna pattern

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

BR7a/BR7b Group id. 107656609 BR1 Date of receipt 09.11.2007 C2c RR No. 4.4

A2a Date of bringing into use 09.12.2008 A2b Period of valid. 1 A3a Op. agency 12 A3b Adm. resp. A BR16 Value of type C8b

BR62 Expiry date for bringing into use 28.02.2014 BR63 Confirmed date of bringing into use BR64 Date of receipt of 1st Res49

BR14 Special Section

C4a Class of station EA C3a Assigned freq. band 4 C5a Noise temperature 500 B4b5 Peak of pfd

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

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

A5/A6 Coordinations/Agreements

C2a1 Assigned frequency

145.98	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 /4527	1 4K00F1D--	13	-23	13		-23		19.8	

A	A1a Sat. Network	SWISSCUBE	A1f1 Notifying adm.	SUI	A1f3 Inter. sat. org.		BR1 Date of receipt	09.11.2007	BR20/BR21 BR IFIC no./part	2611/1
	BR6a/BR6b Id. no.	107500492	BR3a/BR3b Provision reference	11.2	N	BR2 Adm. serial no.		UPLINK	R	

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	C8g1 Max. aggr. pwr.	C8g2 Aggr. bandwidth	C8g3 Transp. bandwidth = Aggr. bandwidth
EPFL	S	006E33 55	46N31 10	SUI	1	TA CP	13.3	15					
HES FRIBOURG	S	007E09 24	46N48 37	SUI	1	TA CP	11	15					

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.
EPFL							1
HES FRIBOURG							4

13C Remarks ACTIVE ONLY NEAR SUI

B1a/BR17 Beam designation	DOWNLINK	B1b Steerable		B2 Emi-Rcp	E	B3a1 Max. co-polar gain	3
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B3c1 Co-polar antenna pattern					
Co-polar ref. pattern	Coef. A	Coef. B			Co-polar rad. diag.
ND-SPACE					

BR7a/BR7b Group id.	107656608	BR1 Date of receipt	09.11.2007	C2c RR No. 4.4	
A2a Date of bringing into use	09.12.2008	A2b Period of valid.	1	A3a Op. agency	12
A3b Adm. resp.	A	BR16 Value of type C8b	X	BR62 Expiry date for bringing into use	28.02.2014
BR63 Confirmed date of bringing into use		BR64 Date of receipt of 1st Res49			

BR14 Special Section

C4a Class of station	EA	C3a Assigned freq. band	4	B4b5 Peak of pfd	
C4b Nature of service	CP	C6a Polarization type	CR	C6b Polarization angle	
C8d1 Max. tot. peak pwr.	0	C8d2 Contiguous bandwidth	4		
C11a1 Service area no.	1	C11a2 Service area	SUI	C11a3 Service area diagram	

A5/A6 Coordinations/Agreements

C2a1 Assigned frequency									
437.505	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 /4527	1 4K00F1D--	0	-36	0		-36		7.8	
	2 1K00N0N--	-10	-46	-10		-46		13.5	

C10b1 Assoc. earth station id.	C10b2 Type	C10c1 Geographical coord.		C10c2 Ctry	C10d1/C10d2 Cls. / Nat.		C10d3 Max. iso. gain	C10d4 Bmwidth	C10d6 Noise temp.	C10d7 Ant. diameter
EPFL	S	006E33 55	46N31 10	SUI	1	TA CP	25	15	1000	
HES FRIBOURG	S	007E09 24	46N48 37	SUI	1	TA CP	14	20	1000	

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.
EPFL							1
HES FRIBOURG							4

13C Remarks ACTIVE ONLY NEAR SUI