

Notification and Recording of frequency assignments

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Overview



- Notice creation, validation and Part I-S publication
- Technical examination
- Part III-S publication, return of notice and resubmission request
- Findings and recording



Notice Lifetime



- **Administration sends Art. 11 filing**
 - Email submissions are always confirmed in return by BR
- **Receivability tests (completeness, correctness)**
- **Part I-S is published**
- **Technical examination**
- **Favorable findings -> Part II-S publication & Recording**
- **Unfavorable findings -> Part III-S publication**

- **Returned notices that can be resubmitted, will restart the above cycle, until the final recording takes place**



Notice creation



- **CRC to Notification filing conversion**
 - Easiest way to have a starting point
- **NGSO API to Notification**
- **Manual capturing**
 - Tedious, have more control
- In all cases, **SpaceVal** is the **mandatory** but also the essential way to identify problems prior to submission

SNS Validation Errors

Rule Report First Prev Next Last **Space Rules** Earth Rules Plan Rules

Validation Report for 114500101 User SINANIS created on 16.12.2016 09:46:50 with SpaceVal 8.0
 G:\BRIFIC-2834\Space\Databases_v8\SRS_Data\srs2834.mdb
 Ntc ID: 114500101 Adm: CAN Sat Name: CANSAT-50 Orb Pos: -107.3 Action:A Status:50 D_RCV: 1
 Fatal Errors: 0 Warnin

	Beam	E/R	Grp id	Table	Field	Value	Row no	Val err	Rule	Severit	Ap4_Ref	
▶	KNTH	E	114662739	e_as_stn	bmwidth	2.6	2 695	4	W	C.10.d.4		Value outside comput
			114662740		bmwidth	2.6	2 695	4	W	C.10.d.4		Value outside comput

- Double-click on a table line to display more details



Understanding validation output



SNS Validation Rule

695 Item no: 695 Field: bmwidth Table: e_as_stn

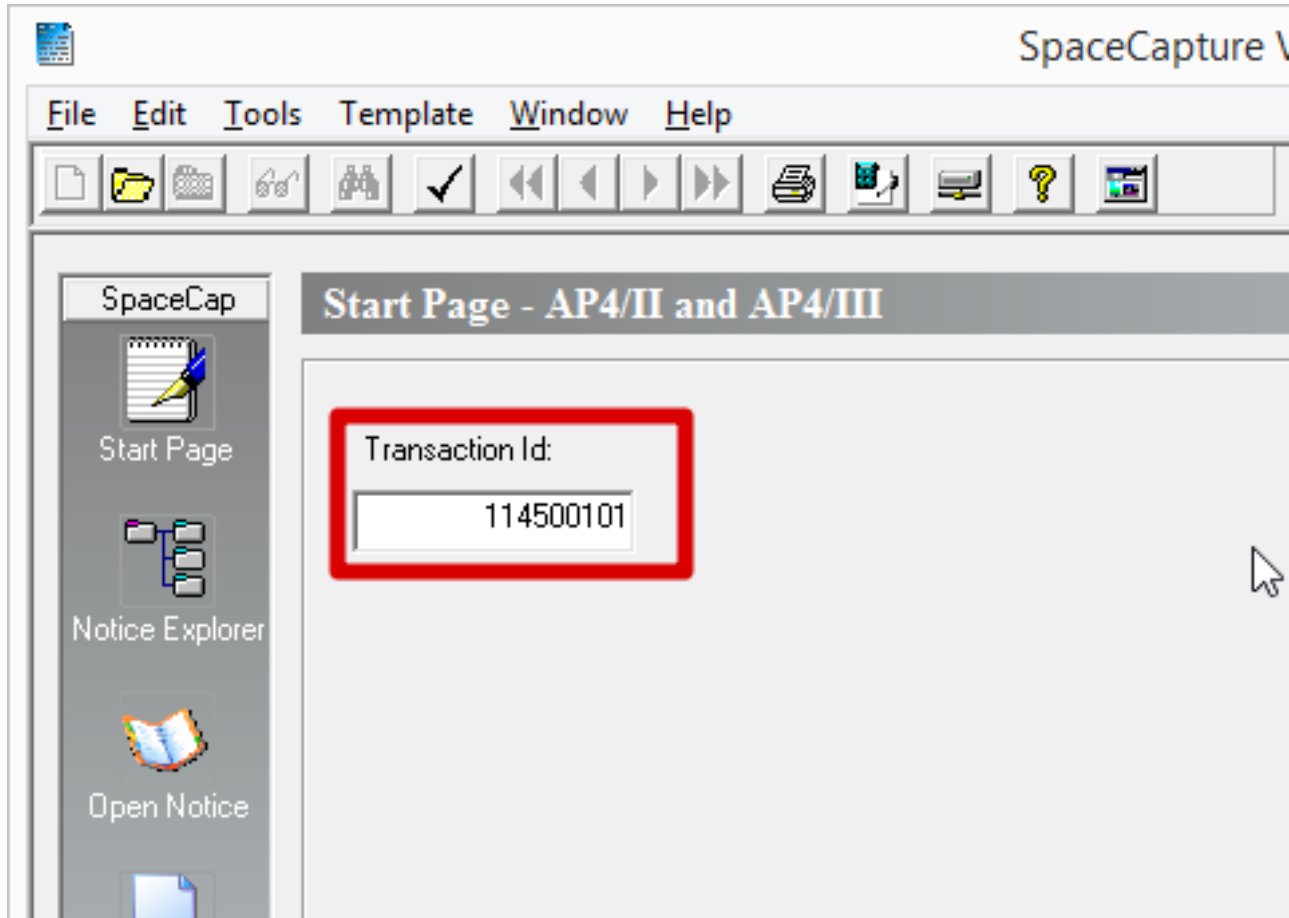
Table: e_as_stn Ap4 Ref: C.10.d.4

Field: bmwidth angular width of radiation main lobe expressed in degrees with two decimal positions

Val No: 695 Applies to: all except for ISS (inter-satellite-service)

Val Rule: E: value must be within the range from the minimum allowable to the maximum allowable calculated as per Appendix 6 of the Annex (W)

Err Message: Value outside computed allowable range (1.79 - 2.28)



- Download **DATA** file from Workshop Program Page



Notice Publication – Starting SpacePUB



SpaceCapture V8 - [Set Notice Template]

File Edit Tools Template Window Help

CR/NOTIF API RAST PLAN

SpaceCap

- Start Page
- Notice Explorer
- Open Notice
- New Notice
- Search

Notice Explorer - AP4/II and AP4/III

Notice id.	Type	Adm./Org.	Orb. Pos.	Station name	Date rcv.	Status
List of notices Count=1						
114500101 [A]	G	CAN/	107.3W	CANSAT-5		

- Open Notice
- Show Selected Entity
- View History
- Print Notice**
- Export Notice(s)
- Clone
- Delete
- Assign Notice Id
- Renumber Notice Id
- Modify Notice Action Code
- Modify Date of Receipt
- Designate Group



Part I-S publication



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		CANSAT-50		PARTIE PART PARTE	I-S
STATION TERRIENNE EARTH STATION ESTACIÓN TERRENA		---		BR IFIC / DATE BR IFIC / DATE BR IFIC / FECHA	2814 / 01.03.2016
ADM. RESPONSABLE RESPONSIBLE ADM. ADM. RESPONSABLE	CAN	LONGITUDE NOMINALE NOMINAL LONGITUDE LONGITUD NOMINAL	107.3 W	NUMÉRO D'IDENTIFICATION IDENTIFICATION NUMBER NÚMERO DE IDENTIFICACIÓN	115500210 / 114500101
RENSEIGNEMENTS REÇUS PAR LE BUREAU LE / INFORMATION RECEIVED BY THE BUREAU ON / INFORMACIÓN RECIBIDA POR LA OFICINA EL					10.04.2015

Notifications reçues au titre de		Notifications received under		Notificaciones recibidas en virtud de lo dispuesto en	
X	Article 11 du Règlement des radiocommunications	X	Article 11 of the Radio Regulations	X	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 .
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- Find them in the BR IFIC, [SNL online](#)



A few hints...



- **Ensure that an appropriate explanation is provided when fatal errors were not resolved**
- **Prepare as complete as possible notices**
 - Adding later a few associated E/S will result to a MOD and extra cost
- **MODs are more involved transactions that BR will be happy to provide assistance**
 - Careful when modifying station-level data as this will likely result in reexamining also the recorded network
 - The same for beam-level data



Notice Creation, Validation

Technical Examination

Part III-S, Return of Notice, Resubmission

Findings and Recording



Examination under No. 11.31

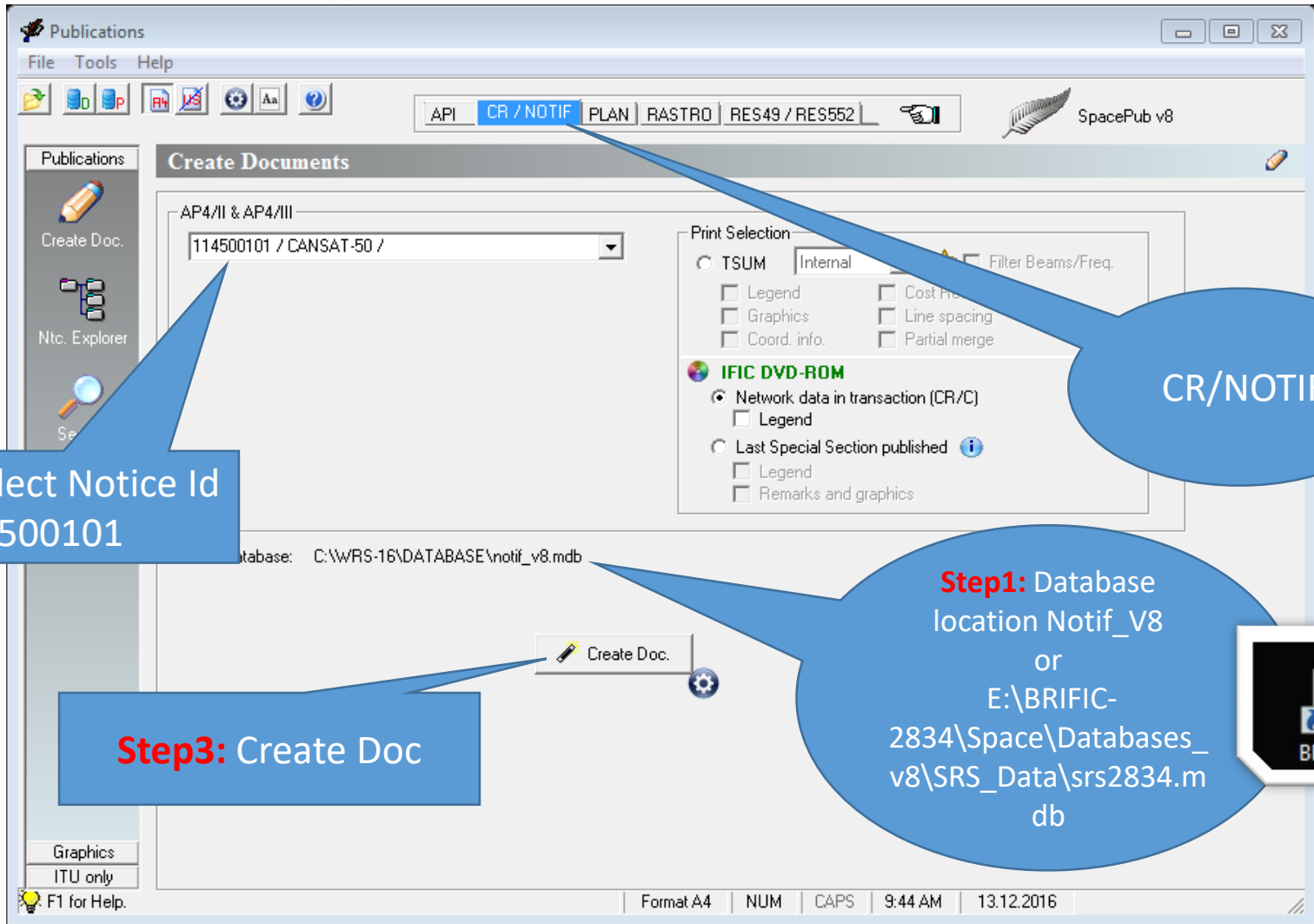


**Conformity of Table of
Frequency Allocations
under Art. 5**

**Other relevant provisions
(Rules of Procedure)**

- Footnotes, RESs, RECs
- Successful application of No. 9.21
- Articles 21 to 57 (Space → 21,22,23)

No. 11.31 Example Findings



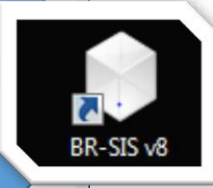
The screenshot shows the SpacePub v8 software interface. The main window is titled "Publications" and has a menu bar with "File", "Tools", and "Help". Below the menu bar is a toolbar with various icons. A dropdown menu is open, showing "API", "CR / NOTIF", "PLAN", "RASTR0", and "RES49 / RES552". The "CR / NOTIF" option is highlighted. Below the dropdown is a "Print Selection" section with several checkboxes: "TSUM", "Internal", "Filter Beams/Freq.", "Legend", "Cost H...", "Graphics", "Line spacing", "Coord. info.", and "Partial merge". Below this is a section for "IFIC DVD-ROM" with options: "Network data in transaction (CR/C)", "Last Special Section published", "Legend", and "Remarks and graphics". The "Network data in transaction (CR/C)" option is selected. At the bottom of the window, there is a status bar with "Format A4", "NUM", "CAPS", "9:44 AM", and "13.12.2016".

Step 2: Select Notice Id 114500101

Step 3: Create Doc

Step 1: Database location Notif_v8 or E:\BRIFIC-2834\Space\Databases_v8\SRS_Data\srs2834.mdb

CR/NOTIF





No. 11.31 Example Findings



A A1a Sat. Network CANSAT-50 A1f1 Notifying adm. CAN A1f3 Inter. sat. org. BR1 Date of receipt 13.08.2014 BR20 BR IFIC no. 2832
 BR6a/BR6b Id. no. 114500101 BR3a/BR3b Provision reference 11.2 N BR2 Adm. serial no.

C10d5a Co-polar				
C10b1 Assoc. earth station id.	Co-polar ref. pattern	Coef. A	Coef. B	Coef. C
TYPICAL 5.6M	ABCDphi1	29	25	32

Notice Id: 114500101

Findings 2D Date of protection 05.06.2008 13A Conformity with RR A- A- -- 13B1 Provision

13C Remarks

Page no. 46 IFIC I 2781 Part 1 IFIC III/III 2832 Part 2 Update date 08.11.2016 Finding required Cost Rec. Provision

Date of receipt of API 05.12.2007 Flag of bringing into use C

Special Section 1 No. Special Section 2 No. Special Section 3 No.

Notes

Compare id. Records Structures Frequencies Emissions Assoc. Estns Assoc. Stns Provisions Publications Findings

BR7a/BR7b Group id. 114662778 BR1 Date of receipt 13.08.2014 C2a BR No. 4.4

Select Group Id
114662778

A2a Date of bringing into use 15.04.2014 A2b Date of expiry of type C8b

BR62 Expiry date for bringing into use 05.12.2014 BR64 Date of receipt of 1st Res49

BR14 Special Section

C4a Class of station EC C3a As 825

C4b Nature of service CP C6a Polarization type C6b Polarization angle

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

A5/A6 Coordinations/Agreements 9.7 0 G USA

C2a1 Assigned frequency

13.80125 GHz	13.89175 GHz	13.86225 GHz	13.89275 GHz	13.92325 GHz	13
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Favourable findings
under No. 11.31

A13 Ref. to Special Sections	C7a Design. of emission				C8a1/C8b1	C8a2/C8b2	C8c1
	1	2	3	4	Max. peak pwr	Max. pwr dens.	Min. peak pwr
API/A/4865	1M45G7D--	1M40G7D--	3Z0K67D--	6M10G7W--	14.9	-52.4	12.7
CR/C/2233					9	-52.4	6.8
					2.6	-52.4	0.4
					15.4	-52.4	13.2

C10b1	C10b2	C10c1	C10c2	C10d1/C10d2	C10d3	C10d4	C10d5	C10d9	C8g1	C8g2	C8g3
Assoc. earth station id.	Type	Geographical coord.	Ctry	Cls. / Nat.	Max. iso. gain	Bmwidth	Ant. dim. (DGSO)	Ant. dim. (DGSO)	Max. aggr. pwr.	Aggr. bandwidth	Transp. bandwidth = Aggr. bandwidth
TYPICAL 2.4M	T			1 TC CP	49.2	0	2.4				

C10d5b 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.
TYPICAL 2.4M	ABCDphi1	29	25	32	25	7	

Findings 2D Date of protection 05.06.2008 13A Conformity with RR A- A- -- 13B1 Provision 13B2 Remarks 13B3 Date of Review

13C Remarks

Page no. 47 IFIC I 2781 Part 1 IFIC III/III 2832 Part 2 Update date 08.11.2016 Finding required Cost Rec. Provision



Examination under No. 11.31 (1)



Art 5

- *compliance with table of frequency allocation including footnotes*

Art 21 Sect III

- *power limits of earth stations are complied*

Art 21 Sect V

- *limits of power flux density from space stations*



Examination under No. 11.31 (2)



Article 22 Sect III

- *station keeping of space stations*

Article 22 Sect IV

- *pointing accuracies of antenna on geostationary satellites*

Article 22 Sect VI

- *earth station off-axis power limitations to fixed satellite service*



Conformity with Table of Frequency Allocations under Art. 5



13.75-14 FIXED-SATELLITE (Earth-to-space) 5.484A
 RADIOLOCATION
 Earth exploration-satellite
 Standard frequency and time signal-satellite (Earth-to-space)
 Space research
 5.499 5.500 5.501 5.502 5.503



```

PFD.LST - Notepad
File Edit Format View Help
START OF JOB SNSBPFD      28.11.16      15.38.10      VERSION 7.13.0.1
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
$      114500101 H  muluk      01N
EARTH STATION E.I.R.P. VALUES BE CHECKED AGAINST $22.26 LIMIT (ONLY FOR AP30B NETWORKS) AND ARTICLE 21 LIMITS
SPACE STATION PFD VALUES WILL BE CHECKED AGAINST HARD      LIMITS ONLY
$      SNS      PFD EXAMINATION      REQUESTED BY :      muluk      DATE: 28/11/16      15:38:10      PAGE: 0001
CAN      CANSAT-50      107.30w  0.05 0.05      13.08.14      N 114.500101
ALL FINDINGS WITH RESPECT TO HARD      LIMITS ARE FAVORABLE
$
PROGRAM SNSBPFD TERMINATED OK
CPU TIME SPENT ON THIS JOB      :      15
ESTN POWER EXAM TOT CPU      :      4
NO. OF ESTN POWER EXAMS      :      2080
CPU PER ESTN POWER EXAM (MS) :      1
PFD EXAM TOT CPU      :      8
NO. OF PFD EXAMS      :      772
CPU PER PFD EXAM (MS)      :      10
$
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
END OF JOB SNSBPFD      28.11.16      15.38.26      TERM=0000
  
```




Example of Findings under No. 11.31



87a/87f Beam designation **KMRH** 87d Steerable 87c EMI-Rsp **R** 83a7 Max. co-polar gain **25** 83d Pointing accuracy **0.07**
 83d7 Co-polar ant. gain contours diag. 83e Ant. gain vs orbit long. diag.

B3C1 Co-polar antenna pattern

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

Notice Id: 114512032

87a/87d Group id. **114512775** 87f Date of receipt **13.08.2014** U20 RR no. 4.4
 A2a Date of bringing into use **15.04.2014** A2b Period of valid. **20** A3a Up. agency **014** A3b Adm. resp. **B** 87b Value of type Lsp
 87a2 Expiry date for bringing into use **05.12.2014** 87a3 Confirmed date of bringing into use **15.04.2014** 87a4 Date of receipt of 1st Res99
 87f4 Special section
 U4a Class of station **EC** U3a Assigned req. band **27000** U3a Noise temperature **825**
 U4b Nature of service **CP** U3b Polarization type **R** U3d Polarization angle
 U77a7 Service area no. U77a2 Service area U77a3 Service area diagram

A57a6 Coordinations/Agreements 9.7 0 6 USA

U2a7 Assigned frequency

13.77075 GHz	U7a	U7a1/U7a7	U7a2/U7a2	U7a7	U7a2	U7a3	U7a4	U7a7	U7a5	U7a2
Ref. to Special Sections	Design. of emission	Max. peak pwr	Max. pwr dens.	Min. peak pwr	Atch.	Min. pwr dens.	Atch.	U/N ratio	Atch.	Atch.
API/A /4855	1 5M40G7D--	14.9	-52.4	12.7		-54.7		6.1		
CR/C /2233	2 1M40G7D--	9	-52.4	6.8		-54.7		5.9		
	3 3Z0K67D--	2.6	-52.4	0.9		-54.7		5.8		
	4 6M10G7D--	15.4	-52.4	13.2		-54.7		6.4		

U707	U702	U707	U702	U707/U702	U703	U704	U707	U705	U707	U705	U707	U705
Assoc. earth station id.	type	Geographical coord.	Utry	Uis. / Nat.	Max. iso. gain	Bmwidth	Ant. diameter	Ant. dim. (UGSU)	Max. aggr. pwr.	Aggr. bandwidth	Transp. bandwidth = Aggr. bandwidth	
TYPICAL 2.99	T			1 TC CP	49.2	0.61	2.4					



A57a6/87d Co-polar antenna pattern

U707 Assoc. earth station id.	Co-polar ref. pattern	Coef. A	Coef. B	Coef. C	Coef. D	Phi	Co-polar rad. diag.
TYPICAL 2.99	ABCDphi1	25	25			7	

Findings **20** Date of protection 73a Conformity with **KRM-- --** 73b Provision **12/5.503** 73b2 Remarks 73b3 Date of review

73c Remarks



Example of Findings under No. 11.31



A	A1a Sat. Network	CANSAT-50	A1f1 Notifying adm.	CAN	A1f3 Inter. sat. org.	BR1 Date of receipt	13.08.2014	BR20 BR IFIC no.	2832
BR6a/BR6b Id. no.		114500101	BR3a/BR3b Provision reference		11.2	BR2 Adm. serial no.			

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/(m²·1MHz)) in the band 1164 - 1215 MHz

A17b1 Calculated aggregate PFD value in the band 4990.0 - 5000.0 MHz dB(W/(m²·10 MHz))

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

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

A17e2a Calculated PFD value in the band 42.5 - 43.5 GHz at RA SDT dB(W/(m²·1 GHz))

A17e2b Calculated PFD value in the band 42.5 - 43.5 GHz at RA SDT dB(W/(m²·500 kHz))

A17e2c Calculated PFD value in the band 42.5 - 43.5 GHz at RA VLB dB(W/(m²·500 kHz))

Notice Id: 114500101

Station keeping

Int/Ext First notif. or Resub. IFIC I Part Last modified

Status Date Prev. Status Co-ord. flag Split flag Merge option

Special Section 1 No. Special Section 2 No. Special Section 3 No.

Compare id. Records Structures Orbits Horizon elevations

Compare id. Compare beam Records Structures Finding required

B1a/BR17 Beam designation B1b Steerable B2 Emi-Rop 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.

Page no. IFIC I Part IFIC III/III Part Update date Finding required Cost Rec. Provisional

Date of receipt of API Flag of bringing into use

Special Section 1 No. Special Section 2 No. Special Section 3 No.

Notes

Compare id. Records Structures Frequencies Emissions Assoc. Estns Assoc. Estns

Pointing Accuracy

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.

BR62 Expiry date for bringing into use BR63 Confirmed date of bringing into use BR64 Date of receipt of 1st Resub.

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 USA



Example of Findings under No. 11.31 No. 9.21



Notice Id: 115500172

Special Section 1 No. Special Section 2 No. Special Section 3

Notes

Compare id. Records Structures Frequencies Emissions Assoc. Estns Assoc. Sctns

Group Id: 115691636

Group Id: BR1 Date of receipt C2c RR No. 4.4

A2b Period of valid. A3a Op. agency A3b Adm. resp. BR10 Value

BR03 Confirmed date of bringing into use

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

A5/A6 Coordinations/Agreements

9.21/A	O	E	MLA	USA	
9.21/B	O				
9.7	O	E	MLA	USA	
V/11.31.1/A	V	ARS	AUS	B	CAN
V/11.31.1/C	V	AUS	CAN	CHN	INS
X/9.7	X	ARS	AUS	B	BEL
			BLR	CAN	CHN
			CLM	CYP	D
			EGY	F	G
			I	INS	IRN
			IRQ		
			MLA	USA	USA/GUM
			USA/HWA		
			TUR	UAE	



After No. 11.31 Examination



When No. 11.31 finding is favourable, the assignment shall be recorded in the Master Register,

or examined further to Nos. 11.32 to 11.33, as appropriate

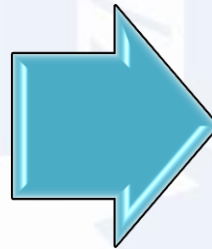


Examination under No. 11.32



COORDINATION PROVISIONS

The requirement of all forms of coordination should be completed



Findings will be based on information available on the A5/A6 boxes



Example of Findings under No. 11.32 Assignments in MIFR (Part II-S)



ITU-MIFR-2013-REQUESTED BY: MEXICO Date: 30.12.2013 ORIGIN: GB NUMBER: 111.2 PARTIAL: NOISETYPE: GAG
 A178 Sat. Network: CANSAT-SU A177 Notifying adm.: CAN A173 Inter. sat. org.: SK7 Date of receipt: 13.08.2014 SK2W/SK2J SK IHL no. part: 23221
 SK6A/SK6D id. no.: 114500101 SK3A/SK6D Provision reference: 11.2 M SK2 Adm. send no.: SK2B

B301 Co-polar antenna pattern

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



SK7A/SK7D Group id.: 114502781 SK7 Date of receipt: 13.08.2014 L20 KR No. 4.4:
 A24 Date of bringing into use: 15.04.2014 A20 Period of valid.: 20 A34 Up. agency: 014 A30 Adm. resp.: B SK7B value of type L20:
 SK6Z Expiry date for bringing into use: 05.12.2014 SK6S Confirmed date of bringing into use: 15.04.2014 SK6Y Date of receipt of
 SK74 special section:
 L48 Class of station: EC L34 Assigned req. band: 27000 L38 Noise temperature: 825
 L40 Nature of service: CP L36 Polarization type: V L40 Polarization angle:
 L77A7 Service area no.: 1 L77A2 Service area: L77A3 Service area diagram:

A52A6 Coordinations/Agreements 3.7 U U US3

L287 Assigned frequency

13.78275 GHz	13.81425 GHz	13.84575 GHz	13.87525 GHz	13.90575 GHz	13.93625 GHz	13.96675 GHz
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A173 Ref. to Special Sections	L78 Design. of emission	L887/L807		L882/L802		L807 Min. peak pwr	L802 Attch.	L803 Min. pwr dens.	L804 Attch.	L807 L/N ratio	L802 Attch.
		Max. peak pwr	Max. pwr dens.	Max. peak pwr	Max. pwr dens.						
API/2/305	1 30X0G7D--	13.6	-53.8	3.2	-58.2	6.1					
CR/C/2233	2 1M40G7D--	7.6	-53.8	3.3	-58.2	5.9					
	3 2X0XG7D--	1.2	-53.8	-3.1	-58.2	5.8					
	4 80X0G7D--	-6.9	-55.9	-9.1	-58.2	7					
	5 26X7G1E--	-11.2	-55.5	-13.5	-57.7	8.3					

L7007 Assoc. earth station id.	L7002 Type	L7007 Geographical coord.	L7002 Ltry	L7007/L7002 Cls. / Nat.	L7003 Max. iso. gain	L7004 Bmw dth	L7007 Ant. diameter	L7009 Ant. dim. (UGSU)	L807 Max. aggr. pwr.	L802 Aggr. bandwidth	L803 Transp. bandwidth = Aggr. bandwidth
TYPICAL 3.7B	T			1/1C CP	53	0.39	3.7				

L7005A Co-polar antenna pattern

L7007 Assoc. earth station id.	Co-polar ref. pattern	Coef. A	Coef. B	Coef. C	Coef. D	PH1	Co-polar rad. diag.
TYPICAL 3.7B	ABCDPH1		25	32	25	7	

Findings 20 Date of protection: 05.06.2008 734 Contention with KR: &- &- -- 7357 Provision: 7362 Remarks: 7363 Date of renewal:

SK7A/SK7D Group id.: 114502782 SK7 Date of receipt: 13.08.2014 L20 KR No. 4.4:
 A24 Date of bringing into use: 15.04.2014 A20 Period of valid.: 20 A34 Up. agency: 014 A30 Adm. resp.: B SK7B value of type L20:
 SK6Z Expiry date for bringing into use: 05.12.2014 SK6S Confirmed date of bringing into use: 15.04.2014 SK6Y Date of receipt of 1st Resub:
 SK74 special section:
 L48 Class of station: EC L34 Assigned req. band: 27000 L38 Noise temperature: 825
 L40 Nature of service: CP L36 Polarization type: V L40 Polarization angle:
 L77A7 Service area no.: 1 L77A2 Service area: L77A3 Service area diagram:

Notice Id: 114500101



Example of Findings under No. 11.32 Missing Coordination Agreements



BR7a/BR7b Group id. 116612626 BR1 Date of receipt 05.01.2016 C2c RR No. 4.4
 A2a Date of bringing into use 27.02.2016 A2b Period of valid. 20 A3a Op. agency 015 A3b Adm. resp. B BR16 Value of type C8b

Notice Id: 116500024

Page / Página 27

**X/9.7 IXI: HOL INS J
MEX UAE**

ANN

TSUM Requested by: MEXICO Date: 01.12.2016 22:47:30 DB: SRS ALL MDR Plan id: Notice type: GEO

A A1a Sat. Network CANSAT (107.3W)-L A1f1 Notifying adm. CAN A1f3 Inter. sat. BR1 Date of receipt 05.01.2016 BR20 BR IFIC no. 2832

BR6a/BR6b Id. no. 116500024 BR3a/BR3b Provision reference 11.2 BR2 Adm. serial no. BR16 Value of type C8b

BR62 Expiry date for bringing into use 27.02.2016 BR63 Confirmation for bringing into use BR64 Date of receipt of 1st Res49

BR14 Special Section
 C4a Class of station EI EJ C3a Assigned frequency 14000
 C4b Nature of service CP OT C6a Polarization type M C6b Polarization
 C8d1 Max. tot. peak pwr. 34 C8d2 Contiguous bandwidth 14000
 C11a1 Service area no. 1 C11a2 Service area 3 Service area diagram 2

A5/A6 Coordinations/Agreements

9.13	O	F	LUX
9.14	O	F/WAL	
9.7	O	ARG AUS B F F/ESA F/EUT G LUX PAK RUS S	
X/9.7	X	HOL INS J MEX UAE	

C2a1 Assigned frequency

A13 Ref. to Special Sections	C7a Design. of emission	C8a1/C8b1 Max. peak pwr	C8a2/C8b2 Max. pwr dens.	C8c1 Min. peak	C8c2 Attach.	C8c3 Min. pwr dens.	C8c4 Attach.	C8e1 C/N ratio	C8e2 Attach.
API/A/5834	1 SM00G7W--	17.5	-49.5	13.4		-51.5		-5.1	
CR/C/2448	2 1M25G7W--	12.4	-48.5	13.4		-50.5		-3.4	
	3 1M25G7W--	17.3	-43.7	13.3		-47.7		-1.9	
	4 200RG7W--	12.1	-40.9	10.1		-42.9		2.6	
	5 31K3G7W--	6.8	-38.1	2.8		-42.1		-6.4	

C10b1 Assoc. earth station id.	C10b2 Type	C10c1 Geographical coord.	C10c2 Ctry	C10d1/C10d2 Cls. / Nat.	C10d3 Max. iso. gain	C10d4 Brn	C10d6 Noise temp.	C10d7 Ant. diameter	C10d9 Ant. dim. (DGSO)
TYPICAL-1	T			1 TB OT 2 UA CP	-4		500		

C10da 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.
TYPICAL-1	ND-EARTH						

Findings 2D Date of protection 13A Conformity with RR A- N- -- 13B1 Provision 5.357A 13B2 Remarks R 13B3 Date of Review

13C Remarks

Space Stations

Check if notified characteristics are the same or within the envelope of coordination characteristics

If not → relevant interference calculations are carried out on the basis of AP5

If additional administrations identified → unfavourable finding will be given and notice returned. → Administration would be requested to publish a modification to the related coordination Special Section

See RoP (Rules of Procedure) 11.32



Example of Findings under No. 11.32



BR7a/BR7b Group id. 116612627 BR1 Date of receipt 05.01.2016 C2c RR No. 4.4
 A2a Date of bringing into use 27.02.2016 A2b Period of valid. 20 A3a Op. agency 015 A3b Adm. resp. B BR16 Value of type C8b
 BR62 Expiry date for bringing into use 27.02.2016 BR63 Confirmed date of bringing into use BR64 Date of receipt of 1st Res49
 BR14 Special Section

Notice Id: 11650024

Page / Página 28



TSUM Requested by: MDR Date: 01.12.2016 22:47:20 RG: SRB-ATL-MDB Plan id: Notice type: EBG
 A A1a Sat. Network CANSAT (107.3W)-L A1f1 Notifying adm. CAN A1f3 Inter. sat. org. BR1 Date of receipt 05.01.2016 BR20 BR IFIC no. 2632
 BR6a/BR6b Id. no. 116500024 BR3a/BR3b Provision reference 11.2 N BR2 Adm. serial no. TLR R

C4a Class of station EG EI C3a Assigned freq. band 14000
 C4b Nature of service OT CP C6a Polarization type M C6b Polarization angle
 C8d1 Max. tot. peak pwr. 34 C8d2 Contiguous bandwidth 14000
 C11a1 Service area no. 1 C11a2 Service area C11a3 Service area diagram 2

A5/A6 Coordinations/Agreements	9.13 9.14 9.7 X/9.7	O O O X	F LUX F/WAL ARG AUS B F F/ESA F/EUT G LUX PAK RUS SNG USA HOL INS MEX UAE
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C2a1 Assigned frequency										
1537	MHz									

A13 Ref. to Special Sections	C7a	C8a1/C8b1	C8a2/C8b2	C8c1	C8c2	C8c3	C8c4	C8e1	C8e2
	Design. of emission	Max. peak pwr	Max. pwr dens.	Min. peak pwr	Atch.	Min. pwr dens.	Atch.	C/N ratio	Atch.
API/A/5534 CR/C/2448	1 5M00G7W--	11.5	-55.5	9.5		-57.5		-5.1	
	2 1M25G7W--	6.4	-54.6	4.4		-56.6		-3.4	
	3 1M25G7W--	17.3	-43.7	13.3		-47.7		-0.4	
	4 200KG7W--	5.1	-47.9	3.1		-49.9		2.6	
	5 62K5G7W--	11.5	-36.5	7.5		-40.5		4.6	

C10b1	C10b2	C10c1	C10c2	C10d1/C10d2	C10d3	C10d4	C10d6	C10d7	C10d9
Assoc. earth station id.	Type	Geographical coord.	Ctry	Cls. / Nat.	Max. iso. gain	Bmwidth	Noise temp.	Ant. diameter	Ant. dim. (DGSO)
TYPICAL-2	T			1 TG 2 UA CP	3		500		

C10d5a Co-polar antenna pattern							
C10b1	Co-polar ref. pattern	Coef. A	Coef. B	Coef. C	Coef. D	Phi1	Co-polar rad. diag.
TYPICAL-2	ND-EARTH						

Findings 2D Date of protection 13A Conformity with RR A- N- -- 13B1 Provision 5.353A 13B2 Remarks R 13B3 Date of Review



Assignments in MIFR Part II-S Publication



UNION INTERNATIONALE DES TÉLÉCOMMUNICATIONS
BUREAU DES RADIOCOMMUNICATIONS

INTERNATIONAL TELECOMMUNICATION UNION
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RÉSEAU À SATELLITE SATELLITE NETWORK RED DE SATÉLITE		CANSAT-50		PARTIE PART PARTE	II-S
STATION TERRIENNE EARTH STATION ESTACIÓN TERRENA		---		BR IFIC / DATE BR IFIC / DATE BR IFIC / FECHA	2832 / 08.11.2016
ADM. RESPONSABLE RESPONSIBLE ADM. ADM. RESPONSABLE	CAN	LONGITUDE NOMINALE NOMINAL LONGITUDE LONGITUD NOMINAL	107.3 W	NUMÉRO D'IDENTIFICATION IDENTIFICATION NUMBER NÚMERO DE IDENTIFICACIÓN	114500101
RENSEIGNEMENTS REÇUS PAR LE BUREAU LE / INFORMATION RECEIVED BY THE BUREAU ON / INFORMACIÓN RECIBIDA POR LA OFICINA EL					10.04.2015

Assignations de fréquence inscrites dans le Fichier de référence au titre de		Frequency assignments recorded in the Master Register under		Asignaciones de frecuencia inscrites en el Registro con arreglo al	
X	Article 11 du Règlement des radiocommunications	X	Article 11 of the Radio Regulations	X	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

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Notice Creation, Validation
Technical Examination
Part III-S, Return of Notice, Resubmission
Findings and Recording

RESUBMISSIONS

Unfavourable findings under No. 11.32/11.32A

- No. 11.46 is applicable
 - The resubmission will retain the original date of submission, unless the resubmission is received more than 6 months after the date of which the original submission was returned
- In other words, important to resubmit within 6 months to retain the original date of submission

RESUBMISSION NOT APPLICABLE

Unfavourable
finding under
No. 11.31

- **No. 11.46 is not applicable**
- **Will have a new date of receipt upon resubmission**



RESUBMISSION NOT APPLICABLE

Notice Id:114512032



87A/87V Beam designation	KMRH	87D Steerable		82 EMI-Rsp	B	83A7 Max. co-polar gain	25	83D Pointing accuracy	0.07
83D7 Co-polar ant. gain contours diag.	<input type="checkbox"/>	83E Ant. gain vs orbit long. diag.	<input type="checkbox"/>						
B301 Co-polar antenna pattern									
Co-polar ref. pattern	Coef. A	Coef. B				Co-polar rad. diag.			

87A/87V Group id.	114512032	87 Date of receipt	13.08.2014	U20 RR No. 4.4					
A2A Date of bringing into use	15.04.2014	A2D Period of valid.	20	A3A Op. agency	014	A3D Adm. resp.	B	87B Value of type U20	
87B2 Expiry date for bringing into use	05.12.2014	87B3 Confirmed date of bringing into use	15.04.2014	87B4 Date of receipt of 1st Res4W					
87F4 Special section									
U4A Class of station	EL	U3A Assigned req. band	27000	U3B Noise temperature	825				
U4D Nature of service	CP	U3A Polarization type	B	U3D Polarization angle					
U77A7 Service area no.	1	U77A2 Service area		U77A3 Service area diagram	1				
A37A6 Coordinations/Agreements	9.7	0	0	0	0	0	0	0	0

U2A7 Assigned frequency										
13.77075 GHz										
Ref. to Special Sections	U7A Design. of emission	U8A7/U8D7 Max. peak pwr	U8A2/U8D2 Max. pwr dens.	U8D7 Min. peak pwr	U8C2 Attach.	U8C3 Min. pwr dens.	U8C4 Attach.	U8E7 C/N ratio	U8E2 Attach.	
API/A 7485	1 5M40G7D--	14.9	-52.4	12.7		-54.7		6.1		
CB/C 7223	2 1M40G7D--	9	-52.4	6.8		-54.7		5.9		
	3 3ZUK47D--	2.6	-52.4	0.4		-54.7		5.8		
	4 6M10G7D--	15.4	-52.4	13.2		-54.7		6.4		

U7D7 Assoc. earth station id.	U7D2 Type	U7D3 Geographical coord.	U7D2 Utry	U7D7/U7D2 Uis. / Nat.	U7D3 Max. iso. gain	U7D4 Bmwidth	U7D7 Ant. diameter	U7D9 Ant. dim. (UGSU)	U8A7 Max. aggr. pwr.	U8A2 Aggr. bandwidth	U8A3 Intransp. bandwidth = Aggr. bandwidth
TYPICAL 2.4M	T			1 TC CP	49.2	0.6L	2.4				

13.800 MHz Requested by	MULOR	Date	10.12.2013	U20 RR No.	4.4	RR No.	114512032	Notice type	U20
A7A Sat. Network	CANSAT-50	A7V Notifying adm.	USM	A7J Inter. sat. org.		87 Date of receipt	13.08.2014	87B/87C BK IHL no. part	283273
87A/87V id. no.	114512032	87A/87V Provision reference	11.2	87C Adm. sens. no.		87D			

U105A Co-polar antenna pattern									
U7D7 Assoc. earth station id.	Co-polar ref. pattern	Coef. A	Coef. B	Coef. C	Coef. D	Phi	Co-polar rad. diag.		
TYPICAL 2.4M	ABCDphiL	29	25	2	25	7			
Findings	U20 Date of protection	73A Conformity with	K/M- -- --	73D Provision	X/5.503	73E2 Remarks		73E3 Date of renewal	
73L Remarks									



PART III-S PUBLICATION



UNION INTERNATIONALE DES TÉLÉCOMMUNICATIONS
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RÉSEAU À SATELLITE SATELLITE NETWORK RED DE SATELITE	CANSAT-50		PARTIE PART PARTE	III-S
STATION TERRIENNE EARTH STATION ESTACIÓN TERRENA	---		BR IFIC / DATE BR IFIC / DATE BR IFIC / FECHA	2832 / 08.11.2016
ADM. RESPONSABLE RESPONSIBLE ADM. ADM. RESPONSABLE	CAN	LONGITUDE NOMINALE NOMINAL LONGITUDE LONGITUD NOMINAL	107.3 W	NUMÉRO D'IDENTIFICATION IDENTIFICATION NUMBER NÚMERO DE IDENTIFICACIÓN
RENSEIGNEMENTS REÇUS PAR LE BUREAU LE / INFORMATION RECEIVED BY THE BUREAU ON / INFORMACIÓN RECIBIDA POR LA OFICINA EL				10.04.2015

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	
X	Article 11 du Règlement des radiocommunications	X	Article 11 of the Radio Regulations	X	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

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RESUBMISSION APPLICABLE

Notice Id:115500228



BRZ/BRZ Id.no.	115500228	BRZ/BRZ Provision reference	11.2 M	BRZ Adm.
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L2A7 Assigned frequency					
792b	MHz	796b	MHz	8022	MHz
A73 Ref. to Special Sections					
API/A / 5513					
CR/C / 2566					
L7A Design. of emission		L8A1/L8A7 Max. peak pwr	L8A2/L8A2 Max. pwr dens.	L8C7 Min. peak pwr	L8 Att.
1	10M0G70--	15.3	-54.7	-0.7	
2	36M0G70--	20.8	-54.7	4.8	
3	2M04GXX--	8.2	-54.7	-7.7	
4	384K6XX--	1.1	-54.7	-14.9	
5	32K0GXX--	-9.7	-54.7	-25.7	

L7007 Assoc. earth station id.	L7002 Type	L7007 Geographical coord.	L7002 Utry	L7007/L7002 Us. / Nat.	L7003 Max. iso. gain	L7004 Bmwdth	L7007 Ant. diam
TYPICAL X7.2 METER	T			I TC CU	53.7	0.37	

L1005a Co-polar antenna pattern					
L7007 Assoc. earth station id.	Co-polar ref. pattern	Coef. A	Coef. B	Coef. C	Coef. D
TYPICAL X7.2 METER	REC-580-b				

Findings 20 Date of protection 734 Conformity with **RR A- M- --** 387 Provision

736 Remarks



Return of Notice Letter



Radiocommunication Bureau (BR)

Our Ref.: 11SG(SPR)O-2016-003297 **Geneva, 7 September 2016**

Contact: Attila Matas
Telephone: +41 22 730 6105
E-mail: attila.matas@itu.int

Ministry of Information and Communications (MIC)
18, Nguyen Du Street
VN - HANOI, 10000
Viet Nam

For your reply:
Fax: +41 22 730 5785
E-mail: BRmail@itu.int

Faxes: +84 4 35564930
+84 4 35564916

Subject: Return of notice for the VIETSAT-132 satellite network

Dear Madam/Sir,

The notice of the subject satellite network or the part of it with frequency assignments which has been given an unfavourable finding is returned to your Administration in accordance with the procedure prescribed in Article 11 of the Radio Regulations. The reason for the unfavourable finding is explained below by an X in the square opposite the appropriate text.

Please note that the printed copy of the satellite network summary is no longer enclosed with this communication. However, a detailed printout of the satellite network characteristics and its findings can be generated from the BRIFIC mentioned in paragraph 1 of the Remarks. Detailed instructions for printing the related information may be found at: <http://www.itu.int/en/ITU-R/space/Documents/part3s.pdf>.

Yours faithfully,

Jian Wang,
Chief a.i., Space Services Department

International Telecommunication Union • Place des Nations • CH-1211 Geneva 20 • Switzerland
Tel: +41 22 730 5111 • Fax: +41 22 733 7256 • E-mail: itu@itu.int • www.itu.int • www.itu150.org

Dispatch date:
Sets the six months counter
to request No. 11.46
resubmission, if applicable



Return of Notice Letter - summary



- 2/7 -

Enclosures



Finding(s) unfavourable with respect to No. 11.31 (see Remarks overleaf).
The notice is returned according to No. 11.36¹.

Cannot be resubmitted!

Finding(s) unfavourable with respect to No. 11.32 (see Remarks overleaf).
The notice is returned according to No. 11.37².

Can be resubmitted!

Finding(s) unfavourable with respect to No. 11.32A or 11.33 (see Remarks overleaf).
The notice is returned according to No. 11.38².

Can be resubmitted!

Non-compliance with No. 9.1 (see Remarks overleaf).

IMPORTANT:

¹ Please note that a notice returned under No. 11.36 cannot be resubmitted under No. 11.46. If the notice is submitted again, the notice will receive a new date of receipt and will be subject to cost recovery fees.

² In accordance with No. 11.46, a notice return under No. 11.37 or No. 11.38, according to the case, has to be resubmitted within six months from the date of the present letter in order to keep its original date of receipt.

Any resubmitted notice which is received by the Bureau more than six months after the date of this letter shall be considered as a new notification with a new date of receipt (see No. 11.46) and will be subjected to cost recovery fees.



Resubmitting after six months



Any resubmitted notice which is received by the Bureau more than six months after the date of this letter shall be considered as a new notification with a new date of receipt (see No. 11.46) and will be subjected to cost recovery fees.

1. The finding has been promulgated in Part III-S of BRIFIC No. 2822 of 21 June 2016.
2. The Bureau has examined the notice under No. **11.32A** as requested by your Administration and the frequency assignments mentioned in Table 2 have been given an unfavourable finding under No. **11.32A** and are being returned to your Administration under No. **11.38**.

Table 2

Beam	R/E	Frequency assignment group ID	Administrations having assignments that resulted in unfavourable finding under No. 11.32A (No. 9.7)
TC1	R	115691455	CHN LUX RUS
TC1	R	115691456	CHN LUX RUS
TCK1	R	115691336	CHN RUS
TCK2	R	115691337	CHN RUS
UK2R	R	115691321	AUS CHN
UK2R	R	115691322	CHN
UK2R	R	115691323	CHN
UK2R	R	115691324	CHN
UK2R	R	115691325	CHN

Explicative text to guide Administrations through the steps it needs to follow



Preparing the Response to the Return Letter



- Always provide an update of the coordination statuses, indicating if agreements have been achieved for specific networks or for all networks of an Administration
- When requesting No. 11.41:

The Bureau notes that your Administration has requested for application of No. **11.41**. In this regard, the Bureau would like to draw your attention to the entry into force on 1 January 2013, of No. **11.41** as modified by WRC-12 and provision **No. 11.41.2** which stipulates that:

*“When submitting notices in application of No. **11.41**, the notifying Administration shall indicate to the Bureau that **efforts have been made to effect coordination** with those administrations whose assignments were the basis of the unfavourable findings under No. **11.38**, without success”.*

When No. 11.46 applies, remember the six months deadline to respond!



Notice Creation, Validation
Technical Examination
Part III-S, Return of Notice, Resubmission
Findings and Recording



Nos. 11.32A & 11.33 Examination



The examination of the probability of harmful interference under Nos. 11.32A & 11.33 is carried out when the notifying administration states that the coordination procedure *could not be successfully completed* for the assignments being notified



Nos. 11.32A & 11.33 Examination



**Procedure of 11.32A → C/I
calculation
(the methodology is described
in Rules of Procedure)**



PROCEDURE OF No. 11.32A

Notice Id:116500024



BR7a/BR7b Group id. 116612627 BR1 Date of receipt 05.01.2016 C2c RR No. 4.4
 A2a Date of bringing into use 27.02.2016 A2b Period of valid. 20 A3a Op. agency 015 A3b Adm. resp. B BR16 Value of type C8b
 BR62 Expiry date for bringing into use 27.02.2016 BR63 Confirmed date of bringing into use BR64 Date of receipt of 1st Res49
 BR14 Special Section

Page / Página 28

Request by: MDR Date: 01.12.2016 22:47:20 File: RR_11.32A.MDR Plan Id: Notice type: REC
 A A1a Sat. Network CANSAT (107.3W)-L A1f1 Notifying adm. CAN A1f3 Inter. sat. org. BR1 Date of receipt 05.01.2016 BR20 BR IFIC no. 2832
 BR6a/BR6b Id. no. 116500024 BR3a/BR3b Provision reference 11.2 N BR2 Adm. serial no.

C4a Class of station EG EI C3a Assigned freq. band 14000
 C4b Nature of service OT CP C6a Polarization type M C6b Polarization angle
 C8d1 Max. tot. peak pwr. 34 C8d2 Contiguous bandwidth 14000
 C11a1 Service area no. 1 C11a2 Service area C11a3 Service area diagram 2

A5/A6 Coordinations/Agreements	9.13 9.14 9.7 X/9.7	O O O X	F LUX F/WAL ARG AUS B F F/ESA F/EUT G LUX PAK RUS SNG USA HOL INS MEX UAE
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C2a1 Assigned frequency										
1537	MHz									
A13 Ref. to Special Sections API/A/5534 CR/C/2448	C7a Design. of emission	C8a1/C8b1 Max. peak pwr	C8a2/C8b2 Max. pwr dens.	C8c1 Min. peak pwr	C8c2 Attach.	C8c3 Min. pwr dens.	C8c4 Attach.	C8e1 C/N ratio	C8e2 Attach.	
	1 5M00G7W--	11.5	-55.5	9.5		-57.5		-5.1		
	2 1M25G7W--	6.4	-54.6	4.4		-56.6		-3.4		
	3 1M25G7W--	17.3	-43.7	13.2		-47.7		-0.4		
	4 200KG7W--	5.1	-47.9	3.1		-49.9		2.6		
	5 62K5G7W--	11.5	-36.5	7.5		-40.5		4.6		

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	C10d9 Ant. dim. (DGSO)
TYPICAL-2	T			1 TG 2 UA	3		500		

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.
TYPICAL-2	ND-EARTH						

Findings 2D Date of protection 13A Conformity with RR A- N- -- B1 Provision 5.353A 13B2 Remarks B 13B3 Date of Review

administration states that the coordination procedure could not be successfully completed



PROCEDURE OF No. 11.32A

Notice Id:114500087



Page no. IFIC I Part IFIC II/III Part Update date Finding required Cost Rec. Provision

Date of receipt of API Flag of bringing into use

Special Section 1 No. Special Section 2 No. Special Section 3 No.

Notes

Compare id. Records Structures Frequencies Emissions Assoc. Estns Assoc. Sstns Provisions Publications Findings

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

C2a1 Assigned frequency

13.842	GH \pm	13.902	GH \pm	13.962	GH \pm									
--------	----------	--------	----------	--------	----------	--	--	--	--	--	--	--	--	--

A13 Ref. to Special Sections	C7a Design. of emission	C8a1/C8b1	C8a2/C8b2	C8c1	C8c2	C8c3	C8c4	C8e1	C8e2
		Max. peak pwr	Max. pwr dens.	Min. peak pwr	Atch.	Min. pwr dens.	Atch.	C/N ratio	Atch.
API/A/5908	1 563KG7W--	12.7	-44.8	-1.8		-59.3		5.9	
CR/C/2649	2 282KG7W--	9.7	-44.8	-4.9		-59.4		5.9	
	3 77K0G7W--	6	-42.9	-8.6		-57.5		7.8	
	4 45K0G1W--	3.7	-42.8	-10.9		-57.4		7.8	

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
TYPICAL-K1.2M	T			1 TC CP	43	1.25	1.2				

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.
TYPICAL-K1.2M	REC-580-6						

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

13C Remarks

Page no. IFIC I Part IFIC II/III Part Update date Finding required Cost Rec. Provision

Date of receipt of API Flag of bringing into use

Special Section 1 No. Special Section 2 No. Special Section 3 No.

Notes

Compare id. Records Structures Frequencies Emissions Assoc. Estns Assoc. Sstns Provisions Publications Findings

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

States)

administration states that the coordination procedure could not be successfully completed



Nos. 11.32A & 11.32A.2 (WRC-15)



**Procedure of
11.32A →
Resolution 762
*(WRC-15)***



Case of No. 11.35



In cases where the Bureau is not in a position to conduct the examination under No.11.32A or No.11.33 (i.e. other than No. 9.7)

The Bureau shall immediately inform the notifying administration, which may then resubmit its notice under No.11.41, under the assumption that the finding under No.11.32A or No.11.33 is unfavourable.



No. 11.35 – Examination of probability of harmful interference cannot be performed



BR7a/BR7b Group id. 115703470		BR1 Date of receipt 07.12.2015		C2c RR No. 4.4	
A2a Date of bringing into use 28.05.2016		A2b Period of valid. 40		A3a Op. agency 010	
BR62 Expiry date for bringing into use 28.05.2016		BR63 Confirmed date of bringing into use		BR16 Value of type C8b	
BR14 Special Section		C3a Assigned freq. band 250000		C5a Noise temperature 700	
C4a Class of station EC		C6a Polarization type L		C6b Polarization angle 93.5	
C4b Nature of service CP		C11a1 Service area no. 1		C11a2 Service area XVE	
C11a1 Service area no. 1		C11a2 Service area XVE		C11a3 Service area diagram	
A5/A6		11.41/9.13 X		G USA	
		11.41/9.7 X		EGY ISR J NOR S	
		9.7 O		F/EUI MLA NRU	
		V/11.32A V		G LUX	
C2a1 Assigned frequency					
27.625	GH#	28.125	GH#	28.625	GH#
27.875	GH#	28.375	GH#	28.875	GH#

Notice Id: 114500146

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Requested by: MDLOR		Date: 01.12.2015 23:48:23		DB: SR3 ALL.MDB		Plan id:		Notice type: 450	
A1a Sat. Network E-SAT-N-E-SW		A1f1 Notifying adm. F		A1f3 Inter. sat. org.		BR1 Date of receipt 07.12.2015		BR20 BR IFIC no. 2832	
BR6a/BR6b Id. no. 114500146		BR3a/BR3b Provision reference 11.2		N		BR2 Adm. serial no. 001		000	
A13 Ref. to Special Sections		C7a Design. of emission		C8a1/C8b1 Max. peak pwr		C8a2/C8b2 Max. pwr dens.		C8c1 Min. peak pwr	
API/A/5666		1 2M00G7W--		7		-56		-11.8	
CR/C/2524		2 70K0G7W--		-7.5		-56		-26.3	
C10b1 Assoc. earth station id.		C10b2 Type		C10c1 Geographical coord.		C10c2 Ctry		C10d1/C10d2 Cls. / Nat.	
TR045		T						1 TC CP	
C10d3 Max. iso. gain		C10d4 Bmwidth		C10d7 Ant. diameter		C10d9 Ant. dim. (DGSO)		C8g1 Max. aggr. pwr.	
40.8		1.51						6	
C8g2 Aggr. bandwidth		C8g3 Transp. bandwidth = Aggr. bandwidth		C10d5a Co-polar antenna pattern		Coef. D		Phi1	
6									
C10b1 Assoc. earth station id.		Co-polar ref. pattern		Coef. B		Coef. C		Co-polar rad. diag.	
TR045		A-25*LOG(FI)							
Findings		2D Date of protection 01.12.2009		13A Conformity with RR A- N- N-		13B1 Provision 11.41		13B2 Remarks	
								13B3 Date of Review	
13C Remarks		11.35/9.13: E/071215						A/28.04.2016	
Page no.		IFIC II 2812		Part 1 IFIC III/III 2832		Part 2 Update date 27.10.2016		Finding required	
								Coef. Rec.	
								Provision	



Recording under No. 11.41



When unfavorable findings under Nos. 11.32A & 11.33, a notice can be resubmitted for recording under No. 11.41

- *Administration has to indicate that performed efforts to coordinate with those Administrations for which unfavorable findings resulted in the examination under No. 11.32A, without success (No. 11.41.2)*

MIFR recording (Part II-S) with an indication:

- 13A: ANN, 13B1: 11.41/9.7, A5/A6: 11.41/9.7|X| ADM

Upon completion of coordination and in application of **No. 11.41B** an Administration may request BR to update the coordination status:

- 13A: AA-, 13B1: empty, A5/A6: 9.7|O| ADM1



Example: Recording under No. 11.41

Notice Id:114500146



BR7a/BR7b Group id. 115703470 BR1 Date of receipt 07.12.2015 C2c RR No. 4.4

A2a Date of bringing into use 28.05.2016 A2b Period of valid. 40 A3a Op. agency 010 A3b Adm. resp. A BR16 Value of type C8b

BR62 Expiry date for bringing into use 28.05.2016 BR63 Confirmed date of bringing into use BR64 Date of receipt of 1st Res40

BR14 Special Section

C4a Class of station EC C3a Assigned freq. band 250000 C5a Noise temperature 700

C4b Nature of service CP C6a Polarization type L C6b Polarization angle 93.5

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

A5/A6 Coordinations/Agreements	11.41/9.13	X	G USA
	11.41/9.7	X	EGY ISR J NOR S
	9.7	O	F/EUT MLA NRU
	V/11.32A	V	G LUX

C2e1 Assigned frequency									
27.625	GH#	28.125	GH#	28.625	GH#	29.125	GH#	29.625	GH#
27.875	GH#	28.375	GH#	28.875	GH#	29.375	GH#	29.875	GH#

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TSUM Requested by: MDLWR Date: 01.12.2016 28:48:23 DB: SRG ALL MD8 Plan id: Notice type: 98P

M A1a Sat. Network F-32T-N-E-8W A1ff Notifying adm. F A1f3 Inter. sat. org. BR1 Date of receipt 07.12.2015 BR20 BR IFIC no. 2832

BR6a/BR6b Id. no. 114500146 BR3a/BR3b Provision reference 11.2 BR2 Adm. serial no. 001

A13 Ref. to Special Sections	C7a Design of emission	C8a1/C8b1 Max. peak pwr	C8a2/C8b2 Max. pwr dens.	C8c1 Min. peak pwr	C8c2 Attach.	C8c3 Min. pwr dens.	C8c4 Attach.	C8e1 C/N ratio	C8e2 Attach.
API/A/5666	1 2M00G7W--	7	-56	-11.8		-74.8		6	
CR/C/2524	2 70K0G7W--	-7.5	-56	-26.2		-74.8		6	

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
TK045	T			1 TC CP	40.8	1.51					

C10b1 Assoc. earth station id.	Co-polar ref. pattern	Coef. A	Coef. B	Coef. C	Coef. D	Phi1	Co-polar rad. diag.
TK045	A-25*LOG(FI)	29					

Findings 2D Date of protection 01.12.2009 13A Conformity with RR A- N- N- 13B1 Provision 11.41 13B2 Remarks 13B3 Date of Review 28.04.2016

13C Remarks 11.35/9.13; E/071215

Page no. IFIC II 2812 Part 1 IFIC III/III 2832 Part 2 Update date 27.10.2016 Finding required Cost Rec Provision

ADM has indicated that efforts have been made to effect coordination with the relevant ADMs, without success - No. 11.41.2



Example: Recording for information purposes only, No. 8.4



NOTES

Compare id. Records Structures Frequencies Emissions Assoc. Estns Assoc. Sats Provisions Publications Findings

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. BR7b Date 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

Notice Id: 115500136

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TSUM: Requested by: MDRBR Date: 02.12.2016 09:23:28 DB: SRG_ADL_MDR Plan Id: Notice type: RFP

A A1a Sat. Network A1f1 Notifying adm. A1f3 Inter. sat. org. BR1 Date of receipt BR20 BR IFIC no.

BR6a/BR6b Id. no. BR3a/BR3b Provision reference N BR2 Adm. serial no. STB:

C4a Class of station C3a Assigned freq. band

C4b Nature of service C6a Polarization type C6b Polarization angle

C8d1 Max. tot. peak pwr. C8d2 Contiguous bandwidth

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

A5A6 Coordinations/Agreements

C2e1 Assigned frequency		10.97 GHz		11.01 GHz		11.05 GHz		11.09 GHz		11.13 GHz		11.17 GHz	
A13 Ref. to Special Sections		C7a Design. of emission		C8a1/C8b1 Max. peak pwr		C8a2/C8b2 Max. pwr dens.		C8c1 Min. peak pwr		C8c2 Atch.		C8c3 Min. pwr dens.	
API/A/5786		1	30M0G7F--	19.4		-54.5		17.5				-56.4	
CR/C/2830		2	29M6G7F--	20.5		-53.4		20.5				-53.4	
		3	5M80G7F--	11.5		-55.2		9.7				10.9	

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)
TYPICAL-0.9	T			1 TC CF	38.3	1.9	140	0.9	

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.
TYPICAL-0.9	REC-580-6						

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

13C Remarks

- ADM has requested No. 4.4, Non conforming assignment under No. 8.4, it is recorded into MIFR for information purposes only, under No. 8.5



Summary



- The notification process from the notice creation, through Part I-S publication, the technical examination and the final recording was presented

- **Some helpful tips:**
 - Notice validation **without fatal errors** minimizes delays in publication/examination
 - Monitor **IFIC publications**
 - When difficulties occur, do not hesitate to contact us in **BRMAIL@itu.int**



Thank you!

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