

I_TSUM Requested by: SALE		Date: 09.11.2010 15:51:44		DB: ITUSAT.MDB		Plan Id.:		Notice type: GEO	
A	A1a Sat. Network	ITUSAT	A1f1 Notifying adm.	CHL	A1f3 Inter. sat. org.		BR1 Date of receipt	01.12.2010	BR20 BR IFIC no.
BR6a/BR6b Id. no.		110520789	BR3a/BR3b Provision reference		9.6	C	BR2 Adm. serial no.		KR1 R

A1f2 Submitted on behalf

A4a1 Orbital long. 70 W BR61 Original orb. long. A4a2a East Long. tolerance limit 0.1 A4a2b West Long. tolerance limit 0.1 A4a2c Inclination excursion 0.05

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))

A16a Compliance with off-axis power limitation Y A18a Aircraft earth station commitment

Int/Ext	E	First notif. or Resub.		IFIC I		Part		IFIC II/III		Part		Last modified	09.11.2010
Status	01	Date	20.10.2010	Prev. Status	01	Basic Mod.		Cfex		Val		Repub. flag	
Special Section 1		No.		Special Section 2		No.		Special Section 3		No.		Split flag	
Compare id.		Records		Structures		Straps		Noise gamma		Orbits		Horizon elevations	
Compare id.		Compare beam		Records		Structures		Finding required					

B1a/BR17 Beam designation KR1 B1b Steerable B2 Emi-Rcp R B3a1 Max. co-polar gain 35 B3d Pointing accuracy 0.2

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.

Page no.		IFIC I		Part		IFIC II/III		Part		Update date	09.11.2010	Finding required		Cost Rec.		Provision	
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	

BR7a/BR7b Group id. 6 BR1 Date of receipt 01.12.2010 C2c RR No. 4.4

A2a Date of bringing into use 01.06.2017 A2b Period of valid. 15 A3a Op. agency 1 A3b Adm. resp. A 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 EC C3a Assigned freq. band 72000 C5a Noise temperature 500

C4b Nature of service CV C6a Polarization type V C6b Polarization angle

C11a1 Service area no. 1 C11a2 Service area C11a3 Service area diagram 3

A5/A6 Coordinations/Agreements

C2a1 Assigned frequency									
14.058	GHz								

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A A1a Sat. Network ITUSAT		A1f1 Notifying adm. CHL		A1f3 Inter. sat. org.		BR1 Date of receipt 01.12.2010		BR20 BR IFIC no.	
BR6a/BR6b Id. no. 110520789		BR3a/BR3b Provision reference 9.6		C		BR2 Adm. serial no.		KR1 R	

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 /1234	1 70M0G7W--	36.4	-42	-3.5		-82		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	C8g1 Max. aggr. pwr.	C8g2 Aggr. bandwidth	C8g3 Transp. bandwidth = Aggr. bandwidth
T1	T			1 TC CV	60.4	0.16	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.
T1	REC-580-6						

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

Compare id.	Compare beam	Records	Structures	Finding required
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B1a/BR17 Beam designation KT1	B1b Steerable	B2 Emi-Rcp E	B3a1 Max. co-polar gain 35	B3d Pointing accuracy 0.2
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B3b1 Co-polar ant. gain contours diag. 4	B3e Ant. gain vs orbit long. diag.
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B3c1 Co-polar antenna pattern			
Co-polar ref. pattern	Coef. A	Coef. B	Co-polar rad. diag.

Page no.	IFIC I	Part	IFIC II/III	Part	Update date 09.11.2010	Finding required	Cost Rec.	Provision	
Special Section 1		No.		Special Section 2		No.		Special Section 3	

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

BR7a/BR7b Group id. 4	BR1 Date of receipt 01.12.2010	C2c RR No. 4.4
A2a Date of bringing into use 01.06.2017	A2b Period of valid. 15	A3a Op. agency 1
A3b Adm. resp. A	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 EC	C3a Assigned freq. band 72000
C4b Nature of service CV	C6a Polarization type V
C6b Polarization angle	
C8d1 Max. tot. peak pwr. 21	C8d2 Contiguous bandwidth 72000
C11a1 Service area no. 1	C11a2 Service area
C11a3 Service area diagram 5	

A5/A6 Coordinations/Agreements	
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C2a1 Assigned frequency									
12.08	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 Attch.	C8c3 Min. pwr dens.	C8c4 Attch.	C8e1 C/N ratio	C8e2 Attch.
API/A /1234	1 72M0G7W--	21	-57.4	15.4		-63		7	

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BR6a/BR6b Id. no.		110520789	BR3a/BR3b Provision reference		9.6	C	BR2 Adm. serial no.		KT1 E

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
R1	T			1 TC CV	32.8	4.1	120	0.45

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.
R1	REC-580-6						

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

Page no.		IFIC I		Part		IFIC II/III		Part		Update date	09.11.2010	Finding required		Cost Rec.		Provision	
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.	5	BR1 Date of receipt	01.12.2010	C2c RR No. 4.4	
A2a Date of bringing into use	01.06.2017	A2b Period of valid.	15	A3a Op. agency	1
A3b Adm. resp.	A	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	ER	C3a Assigned freq. band	2000
C4b Nature of service	CV	C6a Polarization type	V
C6b Polarization angle			
C8d1 Max. tot. peak pwr.	-10.5	C8d2 Contiguous bandwidth	2000
C11a1 Service area no.	1	C11a2 Service area	
C11a3 Service area diagram	5		

A5/A6 Coordinations/Agreements	
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C2a1 Assigned frequency											
11.71	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 Attch.	C8c3 Min. pwr dens.	C8c4 Attch.	C8e1 C/N ratio	C8e2 Attch.
API/A /1234	1 300KG9X--	-10.5	-65.2	-25.5		-80.2		10	

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
R1	T			1 TR CV	32.8	4.1	120	0.45

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.
R1	REC-580-6						

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

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BR6a/BR6b Id. no. 110520789		BR3a/BR3b Provision reference 9.6		C		BR2 Adm. serial no.			

History

Date	Operator	Status	Text
09.11.2010	SALE	01	SPACEVAL ver. 6.1.6 , 19.05.10; Errors F/W: 0/0
09.11.2010	SALE	01	SRSFixEN 6.0.7 at 15:51
09.11.2010	SALE	01	Spacecap 6.6.2 /AE1 15:47
09.11.2010	SALE	01	SPACEVAL ver. 6.1.6 , 19.05.10; Errors F/W: 5/0
09.11.2010	SALE	01	SRSFixEN 6.0.7 at 15:38
09.11.2010	SALE	01	SPACEVAL ver. 6.1.6 , 19.05.10; Errors F/W: 6/0
09.11.2010	SALE	01	SRSFixEN 6.0.7 at 15:35
09.11.2010	SALE	01	Spacecap 6.6.2 /AE1 15:34
09.11.2010	SALE	01	Spacecap 6.6.2 /S1 15:18
21.10.2010	SALE	01	Spacecap 6.6.1 /AE1 17:32
20.10.2010	SALE	01	SPACEVAL ver. 6.1.6 , 19.05.10; Errors F/W: 5/0
20.10.2010	SALE	01	SRSFixEN 6.0.7 at 15:50
20.10.2010	SALE	01	Spacecap 6.6.1 /AE1 15:50
20.10.2010	SALE	01	SPACEVAL ver. 6.1.6 , 19.05.10; Errors F/W: 5/0
20.10.2010	SALE	01	SRSFixEN 6.0.7 at 9:46
20.10.2010	SALE	01	Spacecap 6.6.1 /B2/G2 09:45
19.10.2010	SALE	01	Cloned from 111520002