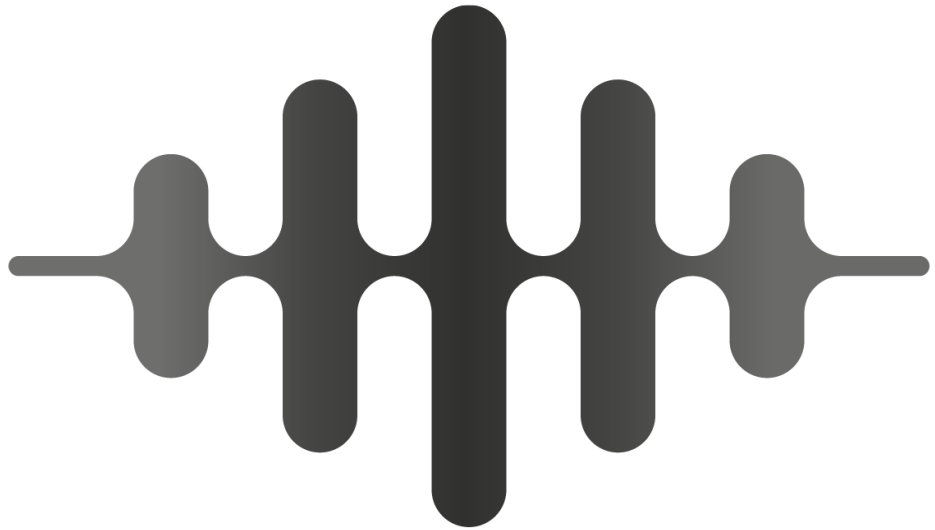


ITU WRS GENEVA2024

2–6 December 2024
Geneva, Switzerland

Technical examination and recording of notification of satellite networks Non-Plan bands

Mehtap Dufour
Radiocommunication Bureau
Space Services Department, Senior Radiocommunication Engineer
https://www.itu.int/ITU-R/go/space/en

EXAMINATION UNDER NO. 11.31 (1)

Article 5 Frequency allocations	Article 21 Section III	Article 21 Section V
compliance with table of frequency allocation including footnotes	e.i.r.p. limits of earth stations	limits of power flux density from space stations

EXAMINATION UNDER NO. 11.31 (2)

station keeping of space stations

Article 22 Sect III

pointing accuracies of antenna on geostationary satellites

Article 22 Sect IV

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

Article 22 Sect VI

No. 11.31 Example Findings
Article 5 Frequency allocations

Notice Id: 124500040
: IMECE
Beam: ST
Emi/Rcp :E
Gr. Id: 124652691
Column 13 A1

I_TSUM Requested by: MULUK Date: 28.11.2024 5:19:53 PM DB: SRS_ALL.MDB Plan Id: Notice type: NONGEO

A	A1a Sat. Network	IMECE	A1f1 Notif. adm.	TUR	A1f3 Inter. sat. org.		BR1 Date of receipt	27.02.2024	BR20 BR IFIC no. 3029
BR6a/BR6b Id. no.	124500040		BR3a/BR3b Provision reference	11.2	N		BR2 Adm. serial no.		ST E

BR7a/BR7b Group id.	124652691		BR1 Date of receipt	27.02.2024	C2c RR No. 4.4	BR97 No. 11.43A BR98 For use in accordance with Res 163/164
BR105 Current Milestone			BR106 Milestone criteria met		BR107 Expiry of the next milestone perio	
f bringing into use as submitted by the Administration	15.04.2023					
f bringing into use	11.03.2028	A2b Period of valid. 10	A3a Op. agency 044	A3b Adm. resp. A		
date for 9.1/9.1A	11.03.2021					
y date for bringing into use	11.03.2028		BR63 Confirmed date of bringing into use			
ial Section						
of station	EW		C3a Assigned freq. band	2000		
e of service	CO		C6a Polarization type	CR	C6b Polariz	
tot. peak pwr.	3		C8d2 Contiguous bandwidth			
vice area no.	1		C11a3 Service area diagram			
rdinations/Agreements						

I Sub-column 13A1: Conformity with the Radio Regulations

The symbols used in sub-column 13A1 are as follows:

TABLE 13A1

Preface

Symbol	Finding favourable with respect to
A	RR1503
A	No. 11.31

C2a1 Assigned frequency																	
2233	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/12782	1	2M00A1D--	0	-59	0		-59		12.5	

C7b Carrier frequency of the emissions (2M00A1D--)																	
2233	MHz																

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	
AHLATLIBEL	S	032E51 00	39N55 00	TUR	1	TW	CO	40	1.81	200		

	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.
AHLATLIBEL	REC-580-6						

Findings 2D Date of protection 27.02.2024 13A Conformity with RR A- -- -- 13B1 Prov. 13B2 Remarks 13B3 Date of Review A/10.02.2028

13C Remarks

No. 11.31 Example Findings, Article 5 Frequency allocations

Transmitting space station

Beam	Groups	FreqMin	FreqMax	Class	Coverage	13A	Coordination provision
ST	124652691	2232	2234	EW	XR1	A-	Not Subject To Coordination

SECTION IV - Table 13A: Symbols used in column 13A

TABLE 13A
Symbols used in column 13A

I Sub-column 13A1: Conformity with the Radio Regulations

The symbols used in sub-column 13A1 are as follows:

TABLE 13A1

Symbol	Finding favourable with respect to	Use from	Use to
A	**RR1503**		31.12.1998
A	No. **11.31**	01.01.1999	

Preface Table3 Class of Station
EW : Space station in the earth exploration-satellite service (EESS)

Allocation to services		
Region 1	Region 2	Region 3
2 200-2 290	**SPACE OPERATION (space-to-Earth) (space-to-space)** **EARTH EXPLORATION-SATELLITE (space-to-Earth) (space-to-space)** **FIXED** **MOBILE 5.391** **SPACE RESEARCH (space-to-Earth) (space-to-space)** **5.392**	

No. 11. 31 examination, limits of power flux density from space stations

Conformity with Table of Frequency Allocations under Art.5 & Article 21

Notice Id: 119500154

: NSS-G4-26

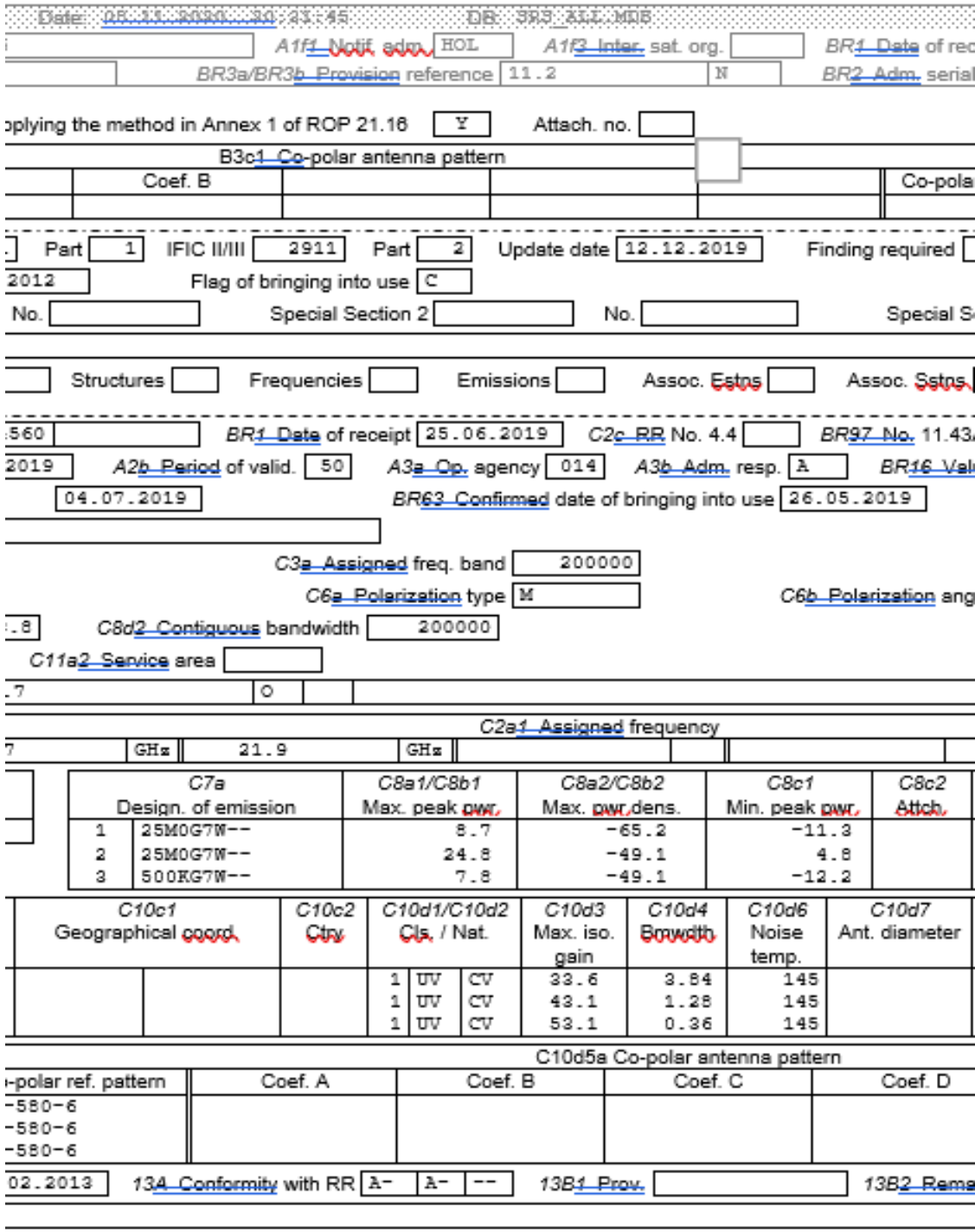
Beam: TA5R/ Steerable

Emi/Rcp :E

Idendify for

Gr. Id: 119684560 limits of power flux density from space stations exceeding or not?

Column 13 A1 A-

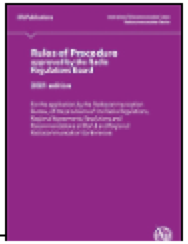


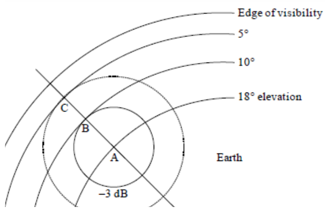
Conformity with Table of Frequency Allocations under Art.5 & Article 21

ITU WRS GENEVA 2024

Frequency band	Service*	Limit in dB(W/m²) for angles of arrival (δ) above the horizontal plane			Reference bandwidth
		0°-5°	5°-25°	25°-90°	
19.3-19.7 GHz 21.4-22 GHz (Regions 1 and 3) 22.55-23.55 GHz 24.45-24.75 GHz 25.25-27.5 GHz 27.500-27.501 GHz	Fixed-satellite (space-to-Earth) Broadcasting-satellite Earth exploration-satellite (space-to-Earth) Inter-satellite Space research (space-to-Earth)	-115 [15]	$-115 + 0.5(\delta - 5)$ [15]	-105 [15]	1 MHz

Part A1 | AR21 | page 4 | rev. -





SPACE STATION PFD VALUES WILL BE CHECKED AGAINST HARD LIMITS AND ROP21.16 IS ONLY APPLIED WHERE APPLICABLE

PFD EXAMINATION WITH ROP21.16 N 119500154 HOL NSS-G4-26 95.00 DEG 0.10 0.10 25.06.2019

NO UNFAVORABLE FINDING FOUND IN PFD EXAMINATION.

Gr. Id: 119684560 ;13 A1 : A ?

ntc_id	sat_name	beam_name	emi_rcp	f_steer	grp_id	fdg_reg	pep_min	pep_max	pwr_ds_max	wc_long_dms	wc_lat_dms	wc_adm	wc_ctry	off_axis_gain	pfd_produced	pfd_limit	pfd_excess	fndg_reason
119500154	NSS-G4-26	TA5R	E	Y	119684560	A-	-11.3	8.7	-65.2	158E3608	57N5535	RUS	RUS	45	-123.473	-114.999	-8.474	
119500154	NSS-G4-26	TA5R	E	Y	119684560	A-	4.8	24.8	-49.1	138E5324	51N0016	RUS	RUS	43.263	-108.802	-108.144	-0.658	RoP 21.16 met
119500154	NSS-G4-26	TA5R	E	Y	119684560	A-	-12.2	7.8	-49.1	158E3608	57N5535	RUS	RUS	40.032	-115.443	-115	-0.443	RoP 21.16 met
119500154	NSS-G4-26	TA5R	E	Y	119684560	A-	-11.3	8.7	-65.2	158E3608	57N5535	RUS	RUS	45	-123.473	-114.999	-8.474	
119500154	NSS-G4-26	TA5R	E	Y	119684560	A-	4.8	24.8	-49.1	138E5324	51N0016	RUS	RUS	43.263	-108.802	-108.144	-0.658	RoP 21.16 met
119500154	NSS-G4-26	TA5R	E	Y	119684560	A-	-12.2	7.8	-49.1	158E3608	57N5535	RUS	RUS	40.032	-115.443	-115	-0.443	RoP 21.16 met
119500154	NSS-G4-26	TA5R	E	Y	119684560	A-	-11.3	8.7	-65.2	158E3608	57N5535	RUS	RUS	45	-123.473	-114.999	-8.474	
119500154	NSS-G4-26	TA5R	E	Y	119684560	A-	4.8	24.8	-49.1	138E5324	51N0016	RUS	RUS	43.263	-108.802	-108.144	-0.658	RoP 21.16 met
119500154	NSS-G4-26	TA5R	E	Y	119684560	A-	-12.2	7.8	-49.1	158E3608	57N5535	RUS	RUS	40.032	-115.443	-115	-0.443	RoP 21.16 met

GIBC SNS V10 BETA

EPFD | Power Control | FOS | Ap8 & PFD Space | AP30B ESIM
Appendix 7 | Appendix 30B | Appendix 30 30A
Tools / Options | PFD/EIRP GSO | PFD/EIRP NGSO | PFD/EIRP Earth Station

PFD/EIRP limits applicable to GSO network

Network: 119500154 NSS-G4-26 | Start | Cancel

Examination Options
Examination: Hard Limits
Power Control (dBW)
☑ Worst Case Only
☑ Use RoP 21.16

Before "Examination"
☐ Perform "Before" Comparisons
☐ Appendix 30 Art.4.1.11
Add | Delete | Clear All

Messages Filter
☑ Progress ☑ Warning ☐ Debug

Message

GIBC PFD/EIRP GSO

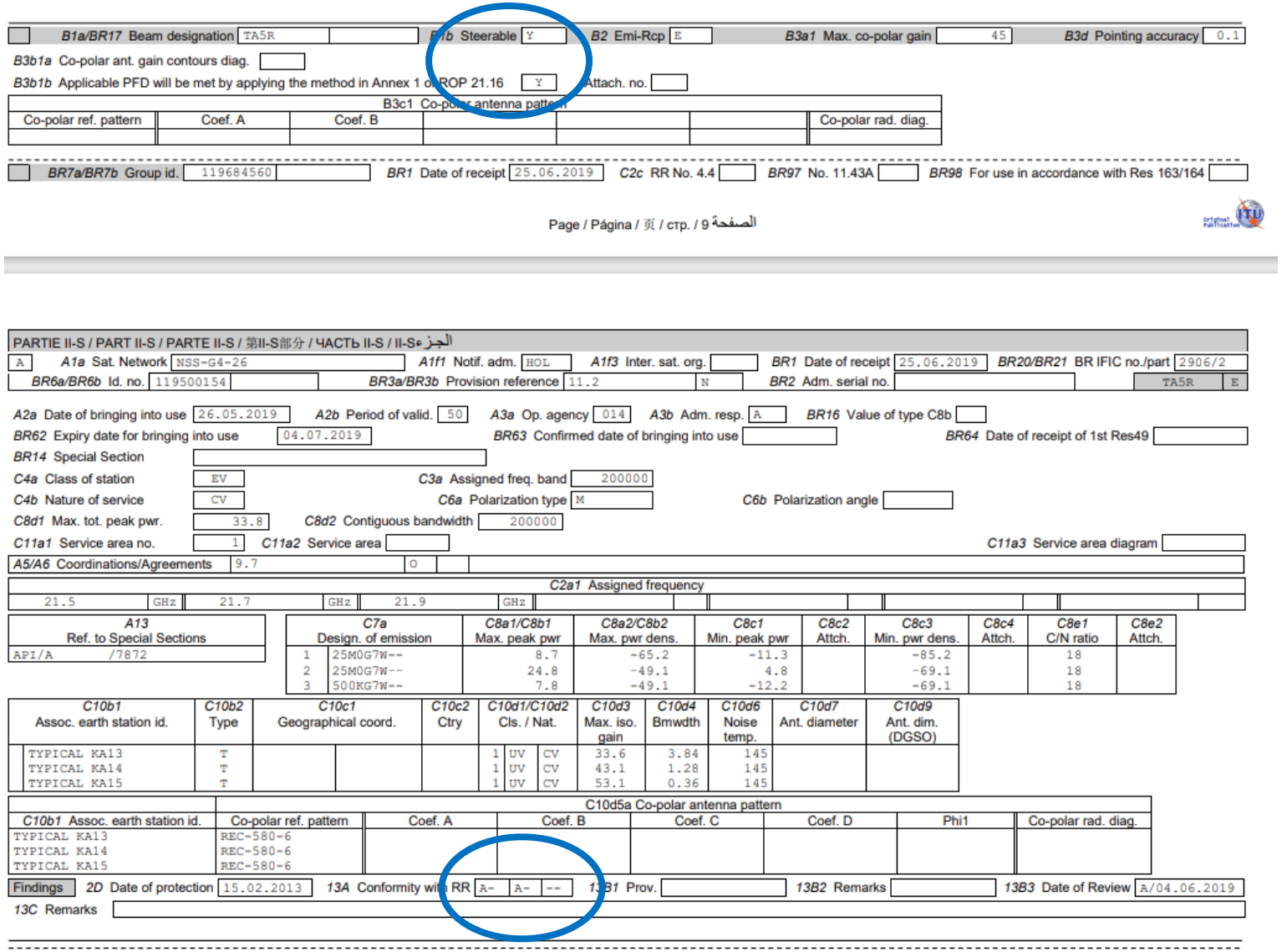
Calculation Results

Open Database | View Log File | Open Folder | Open Report

Version
10.0.0.5 PFD/EIRP GSO - Beta | View Notes

EXIT | Help

Conformity with Table of Frequency Allocations under Art.5 & Article 21



B1a/BR17 Beam designation: TA5R | B1b Steerable: Y | B2 Emi-Rcp: E | B3a1 Max. co-polar gain: 45 | B3d Pointing accuracy: 0.1

B3b1a Co-polar ant. gain contours diag.:

B3b1b Applicable PFD will be met by applying the method in Annex 1 of ROP 21.16: Y | Attach. no.:

B3c1 Co-polar antenna pattern

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

BR7a/BR7b Group id.: 119684560 | BR1 Date of receipt: 25.06.2019 | C2c RR No. 4.4 | BR97 No. 11.43A | BR98 For use in accordance with Res 163/164

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PARTIE II-S / PART II-S / PARTE II-S / 第II-S部分 / ЧАСТЬ II-S / II-Sء الجز

A | A1a Sat. Network: NSS-G4-26 | A1f1 Notif. adm.: HOL | A1f3 Inter. sat. org.: | BR1 Date of receipt: 25.06.2019 | BR20/BR21 BR IFIC no./part: 2906/2

BR6a/BR6b Id. no.: 119500154 | BR3a/BR3b Provision reference: 11.2 N | BR2 Adm. serial no.: TA5R E

A2a Date of bringing into use: 26.05.2019 | A2b Period of valid.: 50 | A3a Op. agency: 014 | A3b Adm. resp.: A | BR16 Value of type C8b:

BR62 Expiry date for bringing into use: 04.07.2019 | BR63 Confirmed date of bringing into use: | BR64 Date of receipt of 1st Res49:

BR14 Special Section:

C4a Class of station: EV | C3a Assigned freq. band: 200000

C4b Nature of service: CV | C6a Polarization type: M | C6b Polarization angle:

C8d1 Max. tot. peak pwr.: 33.8 | C8d2 Contiguous bandwidth: 200000

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

A5/A6 Coordinations/Agreements: 9.7 O

C2a1 Assigned frequency

21.5	GHz	21.7	GHz	21.9	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 /7872	1 25M0G7W--	8.7	-65.2	-11.3		-85.2		18	
	2 25M0G7W--	24.8	-49.1	4.8		-69.1		18	
	3 500KG7W--	7.8	-49.1	-12.2		-69.1		18	

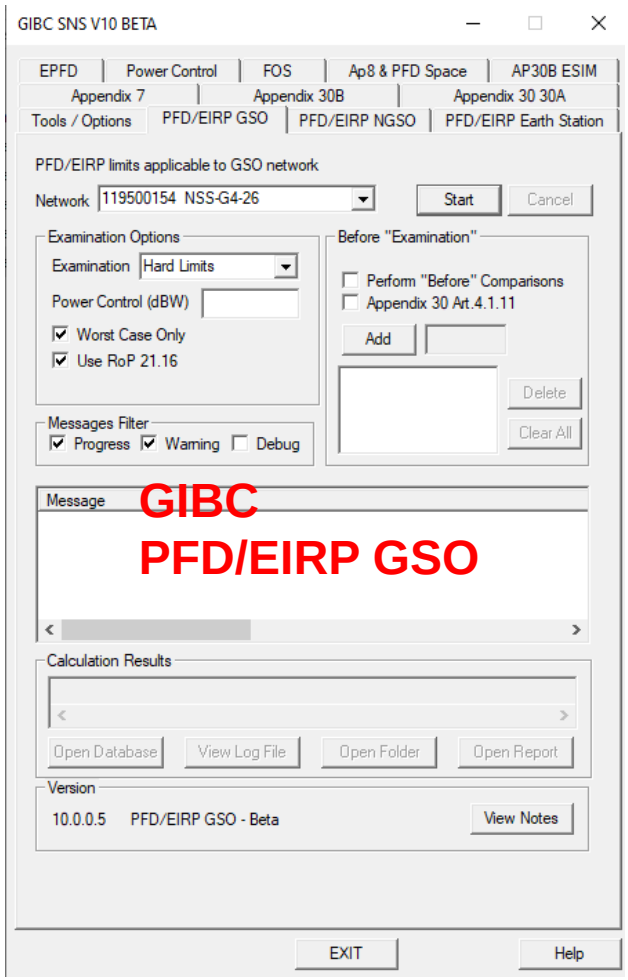
C10b1 Assoc. earth station id.	C10b2 Type	C10c1 Geographical coord.		C10c2 Ctry	C10d1/C10d2 Cls. / Nat.			C10d3 Max. iso. gain	C10d4 Bmwdth	C10d6 Noise temp.	C10d7 Ant. diameter	C10d9 Ant. dim. (DGSO)
TYPICAL KA13	T				1	UV	CV	33.6	3.84	145		
TYPICAL KA14	T				1	UV	CV	43.1	1.28	145		
TYPICAL KA15	T				1	UV	CV	53.1	0.36	145		

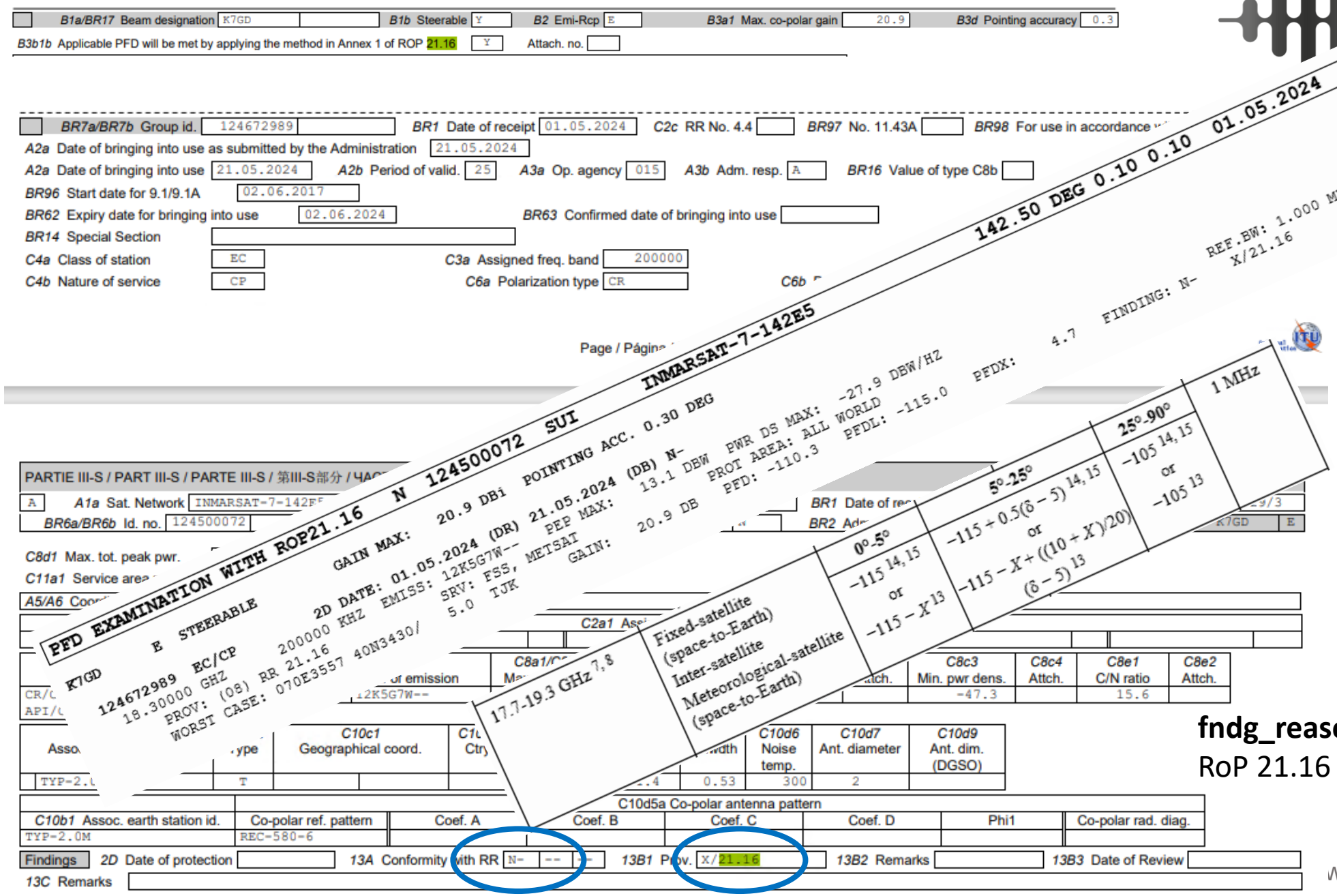
C10d5a Co-polar antenna pattern

C10b1 Assoc. earth station id.	Co-polar ref. pattern	Coef. A	Coef. B	Coef. C	Coef. D	Phi1	Co-polar rad. diag.
TYPICAL KA13	REC-580-6						
TYPICAL KA14	REC-580-6						
TYPICAL KA15	REC-580-6						

Findings | 2D Date of protection: 15.02.2013 | 13A Conformity with RR: A- A- -- | 13B1 Prov.: | 13B2 Remarks: | 13B3 Date of Review: A/04.06.2019

13C Remarks:

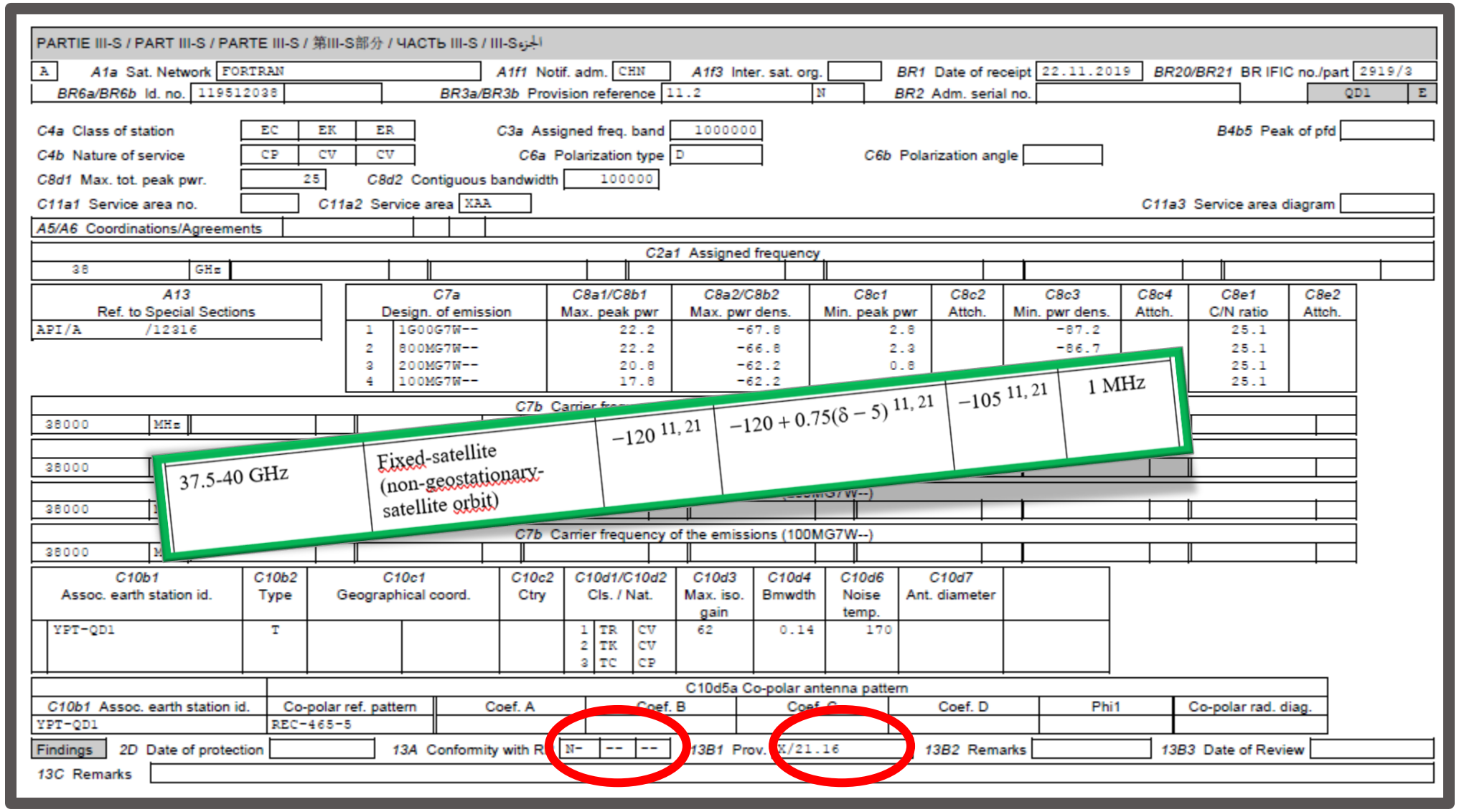




fndg_reason

RoP 21.16 no position

Example of Unfavorable Findings under No. 11.31/Article 21



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

A	*A1a* Sat. Network: FORTRAN		*A1f1* Notif. adm.: CHN	*A1f3* Inter. sat. org.		*BR1* Date of receipt: 22.11.2019	*BR20/BR21* BR IFIC no./part: 2919/3				
BR6a/BR6b Id. no.: 119512038			*BR3a/BR3b* Provision reference: 11.2	N		*BR2* Adm. serial no.				QD1	E

C4a Class of station	EC	EK	ER	*C3a* Assigned freq. band: 1000000		*B4b5* Peak of pfd	
C4b Nature of service	CP	CV	CV	*C6a* Polarization type: D		*C6b* Polarization angle	
C8d1 Max. tot. peak pwr.: 25				*C8d2* Contiguous bandwidth: 100000			
C11a1 Service area no.		*C11a2* Service area: XAA				*C11a3* Service area diagram	

A5/A6 Coordinations/Agreements

C2a1 Assigned frequency

38	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 /12316	1	1G00G7W--	22.2	-67.8	2.8		-87.2		25.1	
	2	800MG7W--	22.2	-66.8	2.3		-86.7		25.1	
	3	200MG7W--	20.8	-62.2	0.8				25.1	
	4	100MG7W--	17.8	-62.2					25.1	

C7b Carrier fre

38000	MHz
38000	
38000	
38000	

37.5-40 GHz	Fixed-satellite (non-geostationary-satellite orbit)	-120 11, 21	$-120 + 0.75(\delta - 5)$ 11, 21	-105 11, 21	1 MHz

C7b Carrier frequency of the emissions (100MG7W--)

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
YPT-QD1	T			1 TR CV 2 TK CV 3 TC CP	62	0.14	170	

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.
YPT-QD1	REC-465-5						

Findings | *2D* Date of protection | *13A* Conformity with R: N- -- -- | *13B1* Prov.: X/21.16 | *13B2* Remarks | *13B3* Date of Review

13C Remarks

Notice ID 119512038 Beam: E QD1

GROUP ID: 119800626 CLASS OF STATION: EC/CP EK/CV ER/CV BANDWIDTH: 1000000 KHZ 2D DATE: 20191122 (DR)

ASSIGNED FREQUENCY: 38.00000 GHZ

EMISSION: 100MG7W-- PEP MAX: 17.8 DBW PWR DS MAX: -62.2 DBW/HZ

PROVISION: (18) RR 21.16 SERVICE: SPACE RESEARCH FINDING: N-
PROT AREA: ALL WORLD ASSOC. EARTH STATION TYPE: T
ORBIT ID: 0001 INCLIN ANG: 80.0000 DEG MIN OP_HT: 1040.000 KM SAT ALTITUDE: 1040.000 KM
GAIN: 42.0 DB ARR ANG: 10.0 DEG
PFD: -100.3 PFDX: 16.0 PFDL: -116.3 REF.BW: 1.000 MHZ

PROVISION: (40) RR 21.16 SERVICE: FIXED-SATELLITE AND MOBILE-SATELLITE FINDING: N-
PROT AREA: ALL WORLD ASSOC. EARTH STATION TYPE: T
ORBIT ID: 0001 INCLIN ANG: 80.0000 DEG MIN OP_HT: 1040.000 KM SAT ALTITUDE: 1040.000 KM
GAIN: 42.0 DB ARR ANG: 10.0 DEG
PFD: -100.3 PFDX: 16.0 PFDL: -116.3 REF.BW: 1.000 MHZ

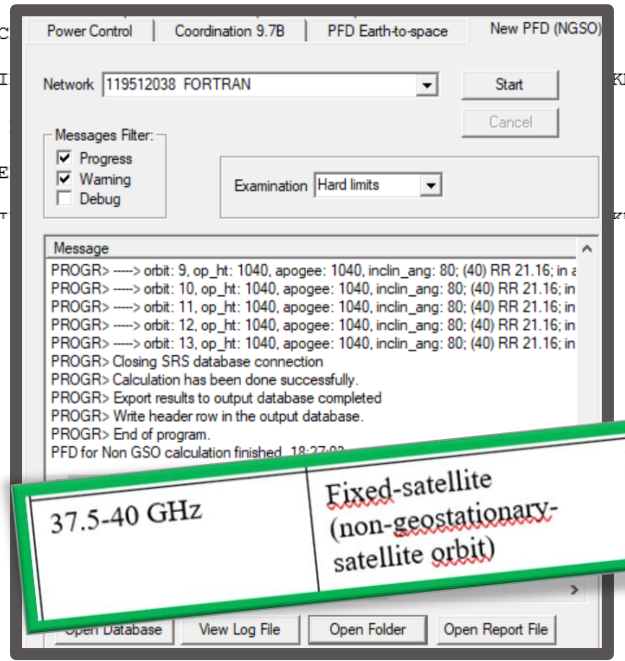
PROVISION: (18) RR 21.16 SERVICE: SPACE RESEARCH FINDING: N-
PROT AREA: ALL WORLD ASSOC. EARTH STATION TYPE: T
ORBIT ID: 0002 INCLIN ANG: 80.0000 DEG MIN OP_HT: 1040.000 KM SAT ALTITUDE: 1040.000 KM
GAIN: 42.0 DB ARR ANG: 10.0 DEG
PFD: -100.3 PFDX: 16.0 PFDL: -116.3 REF.BW: 1.000 MHZ

PROVISION: (40) RR 21.16 SERVICE: FIXED-SATELLITE AND MOBILE-SATELLITE FINDING: N-
PROT AREA: ALL WORLD ASSOC. EARTH STATION TYPE: T
ORBIT ID: 0002 INCLIN ANG: 80.0000 DEG MIN OP_HT: 1040.000 KM SAT ALTITUDE: 1040.000 KM
GAIN: 42.0 DB ARR ANG: 10.0 DEG
PFD: -100.3 PFDX: 16.0 PFDL: -116.3 REF.BW: 1.000 MHZ

PROVISION: (18) RR 21.16 SERVICE: SPAC FINDING: N-
PROT AREA: ALL WORLD
ORBIT ID: 0003 INCLIN ANG: 80.0000 DEG MI KM
GAIN: 42.0 DB ARR ANG: 10.0 DEG
PFD: -100.3 PFDX: 16.0 PFDL: -116.3

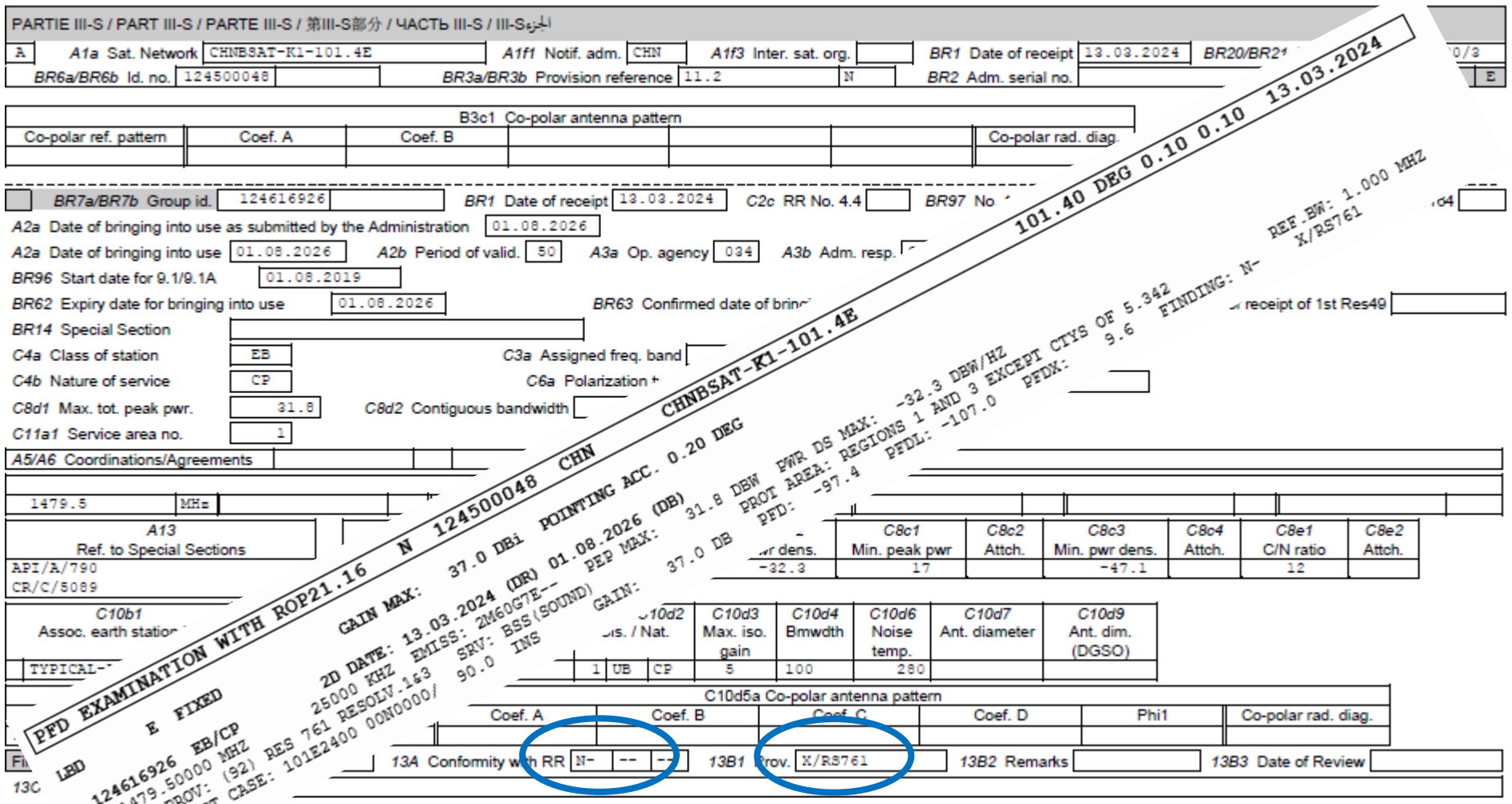
PROVISION: (40) RR 21.16 SERVICE: FIXE FINDING: N-
PROT AREA: ALL WORLD
ORBIT ID: 0003 INCLIN ANG: 80.0000 DEG MI KM

Unfavorable Findings under No. 21.16



37.5-40 GHz	Fixed-satellite (non-geostationary-satellite orbit)	-120 11, 21	$-120 + 0.75(\delta - 5)$ 11, 21	-105 11, 21	1 MHz

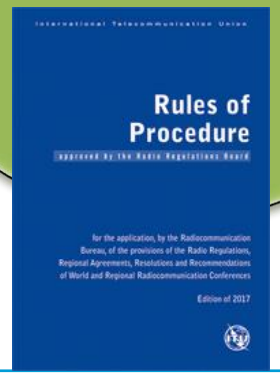
Example of **Unfavorable** Findings under No. 11.31 X/RS761



Examination under No. 11.31 FOOTNOTES

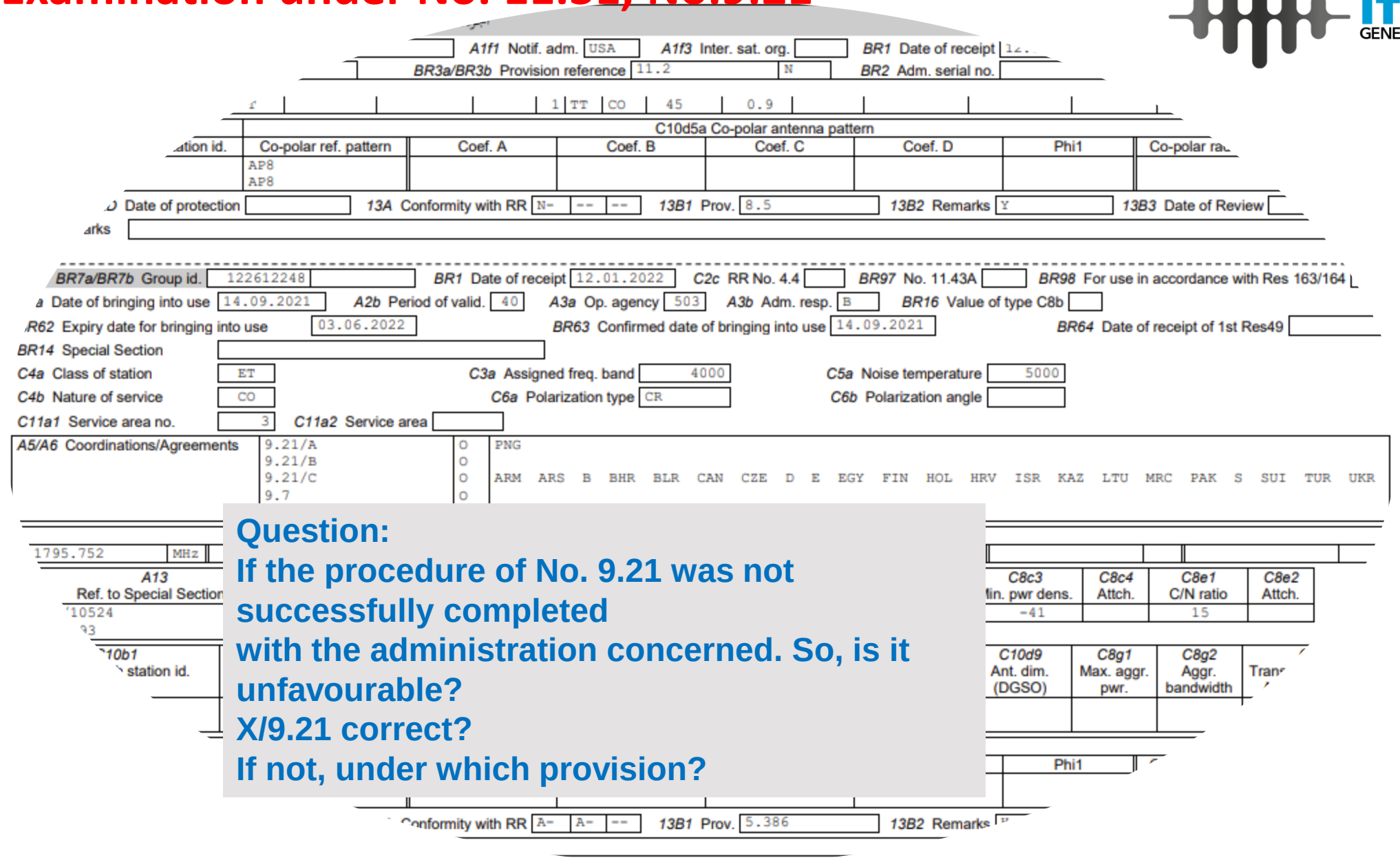
Conformity with Table of Frequency Allocations under Art. 5

Other relevant provisions (Rules of Procedure)



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

Examination under No. 11.31, No.9.21



Question:
If the procedure of No. 9.21 was not successfully completed with the administration concerned. So, is it unfavourable?
X/9.21 correct?
If not, under which provision?

Examination under No. 11.31, No.9.21

ITU WRS GENEVA 2024

PARTIE II-S / PART II-S / PARTE II-S / 第II-S部分 / ЧАСТЬ II-S / II-Sالجزء

A | *A1a* Sat. Network P92-3A | *A1f1* Notif. adm. USA | *A1f3* Inter. sat. org. | *BR1* Date of receipt 12.01.2022 | *BR20/BR21* BR IFIC no./part 2969/2

BR6a/BR6b Id. no. 122500006 | *BR3a/BR3b* Provision reference 11.2 N | *BR2* Adm. serial no. | UL2 R

TYPICAL 2	T				1	TT	CO	45	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 1	AP8						
TYPICAL 2	AP8						

Findings | *2D* Date of protection | *13A* Conformity with RR N- -- -- | *13B1* Prov. 8.5 | *13B2* Remarks Y | *13B3* Date of Review

13C Remarks

BR7a/BR7b Group id. 122612248 | *BR1* Date of receipt 12.01.2022 | *C2c* RR No. 4.4 | *BR97* No. 11.43A | *BR98* For use in accordance with Res 163/164

A2a Date of bringing into use 14.09.2021 | *A2b* Period of valid. 40 | *A3a* Op. agency 503 | *A3b* Adm. resp. B | *BR16* Value of type C8b

BR62 Expiry date for bringing into use 03.06.2022 | *BR63* Confirmed date of bringing into use 14.09.2021 | *BR64* Date of receipt of 1st Res49

BR14 Special Section

C4a Class of station ET | *C3a* Assigned freq. band 4000 | *C5a* Noise temperature 5000

C4b Nature of service CO | *C6a* Polarization type CR | *C6b* Polarization angle

C11a1 Service area no. 3 | *C11a2* Service area

A5/A6 Coordinations/Agreements			
	9.21/A	O	PNG
	9.21/B	O	
	9.21/C	O	ARM ARS B BHR BLR CAN CZE D E EGY FIN HOL HRV ISR KAZ LTU MRC PAK S SUI TUR UKR
	9.7	O	
	V/11.31.1/C	V	CUB E/CNR F G IRN UAE UZB

C2a1 Assigned frequency: 1795.752 MHz | 1839.795 MHz

A13 Ref. to Special Sections
API/A/10524
CR/C/3993

	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.
1	4M00G7D--	27	-39	25		-41		15	

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
TYPICAL 1	T			1	TT	CO	47	0.7						
TYPICAL 2	T			1	TT	CO	45	0.9						

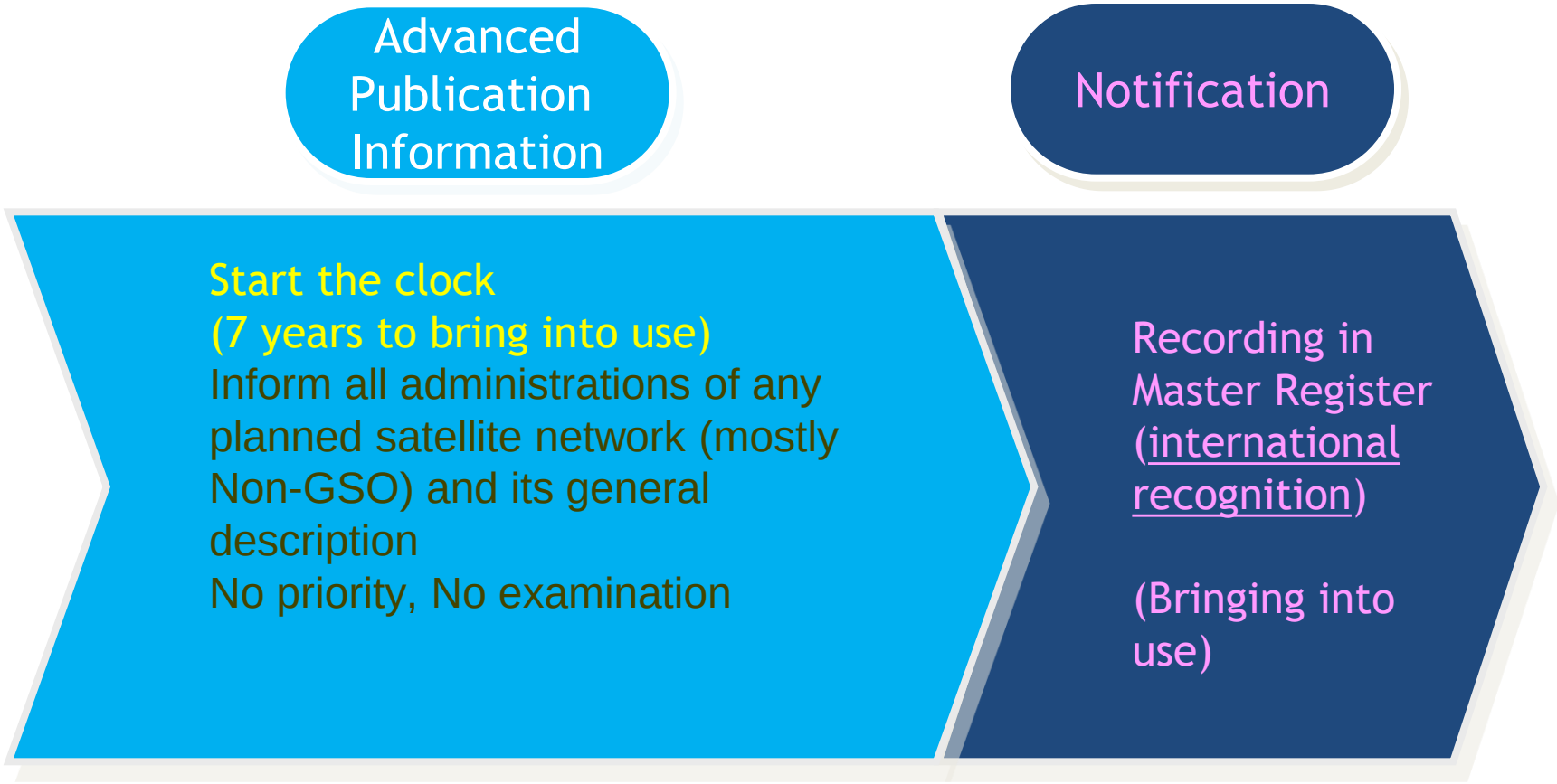
	C10d5a Co-polar antenna pattern						
C10b1 Assoc. earth station id.	Co-polar ref. pattern	Coef. A	Coef. B	Coef. C	Coef. D	Phi1	Co-polar rad. diag.
TYPICAL 1	AP8						
TYPICAL 2	AP8						

Findings | *2D* Date of protection 03.12.2015 | *13A* Conformity with RR A- A- -- | *13B1* Prov. 5.386 | *13B2* Remarks H | *13B3* Date of Review

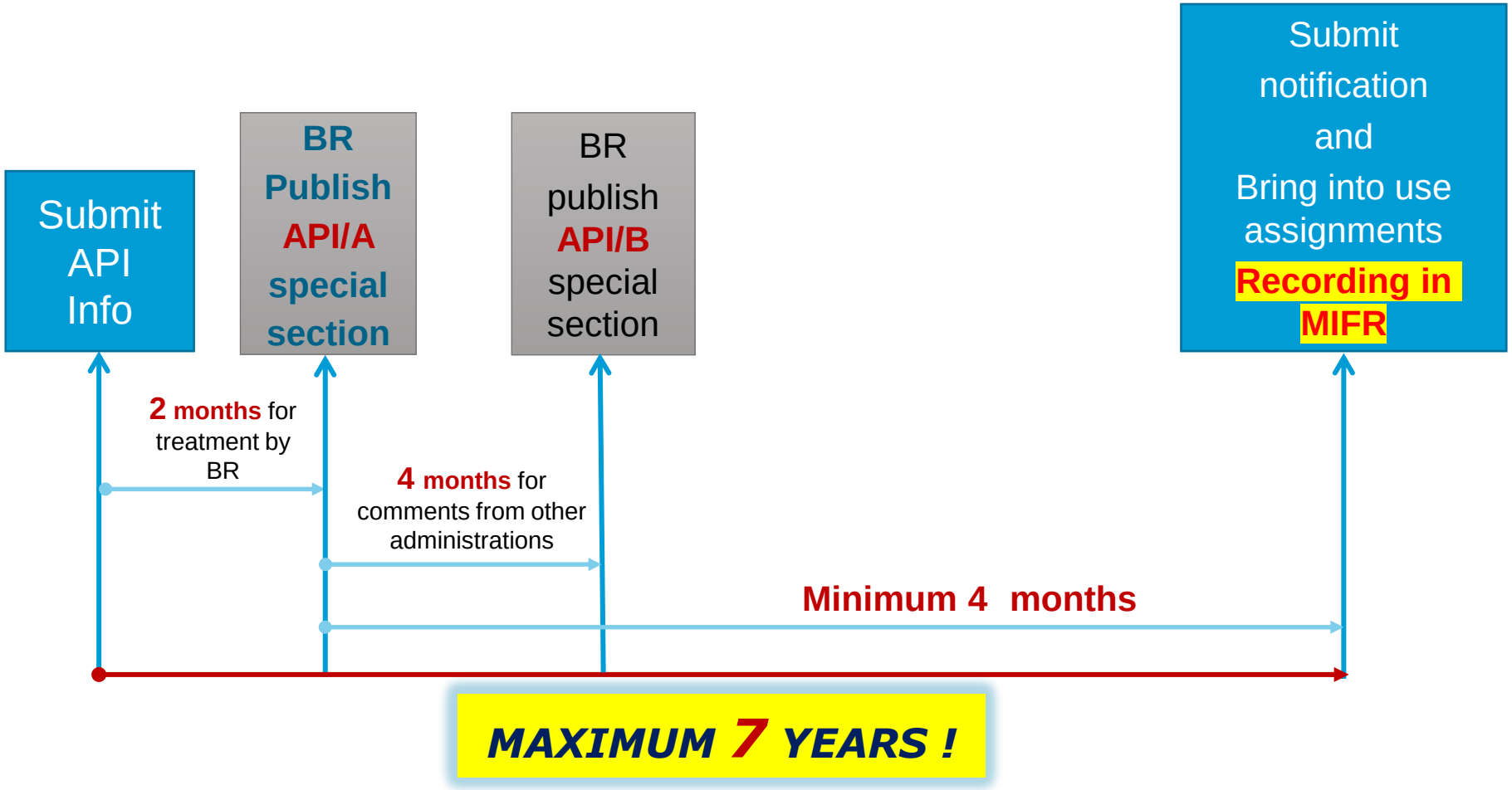
13C Remarks

Symbol used in provision column	Description
V/11.31.1	The use of this frequency assignment is subject to the application of the procedure of No. **9.21**. In the process of application of this procedure the administration of the country designated by the symbol inserted in the "adm" column of the coordination table A5/A6 has formally objected to the proposed use. The Bureau has therefore concluded that the application of the procedure of No. **9.21** was not successfully completed with the administration concerned. A favourable Finding (13A1) was nevertheless formulated on the understanding that no harmful interference shall be caused to the services of or protection claimed from the administration concerned.
V/11.31.1/A V/11.31.1/B V/11.31.1/C	The use of this frequency assignment is subject to the application of the procedure of No. 9.21. In the process of application of this procedure the administration of the country designated by the symbol inserted in the "adm" column of the coordination table A5/A6 has formally objected to the proposed use in relation to its GSO networks (V/11.31.1/A), Non-GSO networks (V/11.31.1/B) and terrestrial stations (V/11.31.1/C). The Bureau has therefore concluded that the application of the procedure of No. **9.21** was not successfully completed with the administration concerned. A favourable Finding (13A1) was nevertheless formulated on the understanding that no harmful interference shall be caused to the services of or protection claimed from the administration concerned.

Satellite networks **Not** subject to Coordination Procedure to be recorded in MIFR



Regulatory procedure for satellite networks **not subject to coordination**



UNION INTERNATIONALE DES TÉLÉCOMMUNICATIONS
BUREAU DES RADIOCOMMUNICATIONS

INTERNATIONAL TELECOMMUNICATION UNION
RADIOCOMMUNICATION BUREAU

UNIÓN INTERNACIONAL DE TELECOMUNICACIONES
OFICINA DE RADIOCOMUNICACIONES

RÉSEAU À SATELLITE SATELLITE NETWORK RED DE SATÉLITE	IMECE	PARTIE PART PARTE	II-S
STATION TERRIENNE EARTH STATION ESTACIÓN TERRENA	---	BR IFIC / DATE BR IFIC / DATE BR IFIC / FECHA	3029 / 03.09.2024
ADM. RESPONSABLE RESPONSIBLE ADM. ADM. RESPONSABLE: TUR	LONGITUDE NOMINALE NOMINAL LONGITUDE LONGITUD NOMINAL: NGSO	NUMÉRO D'IDENTIFICATION IDENTIFICATION NUMBER NÚMERO DE IDENTIFICACIÓN	124500040
RENSEIGNEMENTS REÇUS PAR LE BUREAU LE / INFORMATION RECEIVED BY THE BUREAU ON / INFORMACIÓN RECIBIDA POR LA OFICINA EL			27.02.2024

Assignations de fréquence inscrites dans le Fichier de référence au titre de		Frequency assignments recorded in the Master Register under		Asignaciones de frecuencia inscritas 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

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 explanation of the codes or symbols used in publication, please consult the Preface.

Transmitting space station

Beam	Groups	FreqMin	FreqMax	Class	Coverage	13A	Coordination provision
ST	124652691	2232	2234	EW	XR1	A-	Not Subject To Coordination

PARTIE II-S / PART II-S / PARTE II-S / 第II-S部分 / ЧАСТЬ II-S / II-Sجزء

A | *A1a* Sat. Network: IMECE | *A1f1* Notif. adm.: TUR | *A1f3* Inter. sat. org. | *BR1* Date of receipt: 27.02.2024 | *BR20/BR21* BR IFIC no./part: 3029/2

BR6a/BR6b Id. no.: 124500040 | *BR3a/BR3b* Provision reference: 11.2 N | *BR2* Adm. serial no. | TXT E

	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.
AHLATLIBEL	REC-580-6						

Findings | *2D* Date of protection: 27.02.2024 | *13A* Conformity with RR: A- -- -- | *13B1* Prov. | *13B2* Remarks | *13B3* Date of Review: A/10.02.2028

13C Remarks

No.9.35 Examination

Examination w.r.t. in conformity with Allocation Table and Other provisions Listed in RoP under No.11.31

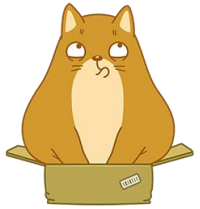
- **Favourable and Unfavourable groups of frequency assignments are split**
- **Findings: Favourable A- Unfavourable N-**

Groups with findings N- are not examined further

Article 11 Notification

- Assignments can also be recorded in the MIFR if requested:
  - Under Nos.4.4/8.4
    - Unfavourable finding under No.11.31
    - Information only – no international recognition
- Bringing assignments into use has to be confirmed in the notification process (11.47 and 11.44B) within the regulatory period

Examination under No. 11.31, **Nos.4.4/8.4**



PARTIE II-S / PART II-S / PARTE II-S / 第II-S部分 / ЧАСТЬ II-S / II-Sالجزء

A	*A1a* Sat. Network	CMARS-1	*A1f1* Notif. adm.	CHN	*A1f3* Inter. sat. org.		*BR1* Date of receipt	01.04.2024	*BR20/BR21* BR IFIC no./part	3029/2	
BR6a/BR6b Id. no.	124500062		*BR3a/BR3b* Provision reference	11.2	N	*BR2* Adm. serial no.			RUN11	R	

B3c1 Co-polar antenna pattern

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

List of orbital planes
ALL

B4a3a1 Angle alpha | *B4a3a2* Angle beta

BR92 Attach. for missing angle alpha/beta

BR7a/BR7b Group id. 124669386 | *BR1* Date of receipt 01.04.2024 | *C2c* RR No. 4.4 Y | *BR97* No. 11.43A | *BR98* For use in accordance with Res 163/164

A2a Date of bringing into use as submitted by the Administration 23.07.2020

A2a Date of bringing into use 23.07.2020 | *A2b* Period of valid. 30 | *A3a* Op. agency 039 | *A3b* Adm. resp. G | *BR16* Value of type C8b | *A4b7cbis* Min. elevation angle

BR96 Start date for 9.1/9.1A 19.05.2017

BR62 Expiry date for bringing into use 19.05.2024 | *BR63* Confirmed date of bringing into use | *BR64* Date of receipt of 1st Res49

BR14 Special Section

C4a Class of station ED EK | *C3a* Assigned freq. band 4000 | *C5a* Noise temperature 500 | *B4b5* Peak of pfd

C4b Nature of service CO CO | *C6a* Polarization type CR | *C6b* Polarization angle

C11a1 Service area no. | *C11a3* Service area diagram

A5/A6 Coordinations/Agreements

C2a1 Assigned frequency

393.9	MHz	397.5	MHz	401.58	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/12069	1	2M00GXX--	10.5	-52.5	0.5		-62.5		20	
	2	1M00GXX--	10.5	-49.5	0.5		-59.5		20	
	3	4M00GXX--	10.5	-55.5	0.5		-65.5		20	

C7b Carrier frequency of the emissions (2M00GXX–)

401.58	MHz	397.5	MHz	393.9	MHz														

C7b Carrier frequency of the emissions (1M00GXX–)

404.4	MHz	401.58	MHz	397.5	MHz	393.9	MHz												

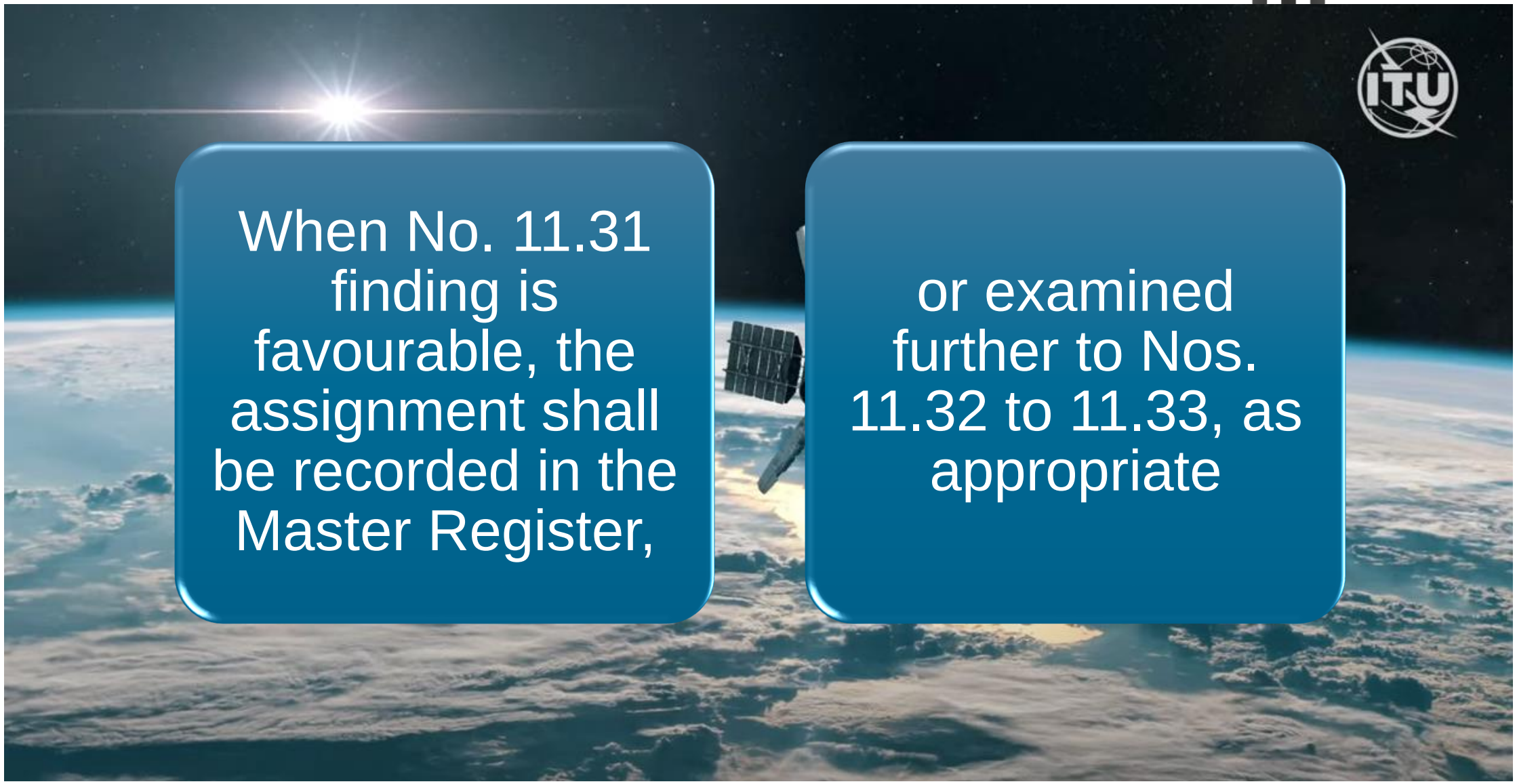
C7b Carrier frequency of the emissions (4M00GXX–)

401.58	MHz	397.5	MHz	393.9	MHz														

C10a1 Assoc. space station id.	*C10a3* Type	*C10a2* Nominal longitude	*C10a4* Beam designation
CMARS-1	N		SUN21

Findings | 20 Date of protection | 13A Conformity with RR N- -- -- | *13B1* Pro 8.5 | *13B2* Remarks Y | *13B3* Date of Review

After No. 11.31 Examination



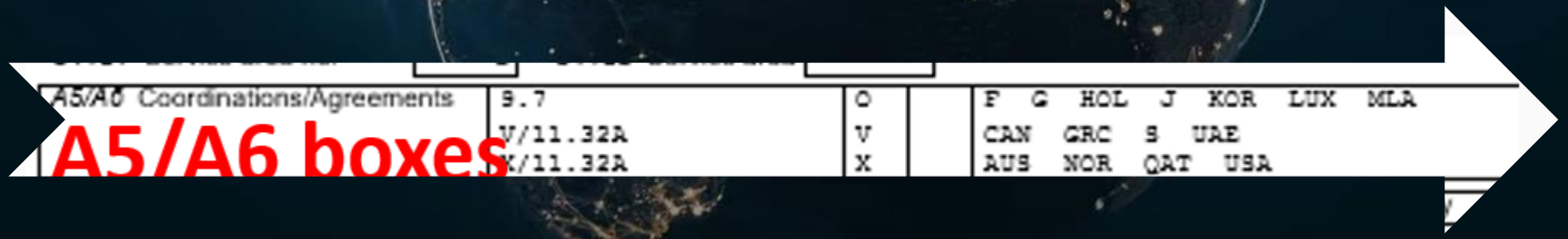
When No. 11.31 finding is favourable, the assignment shall be recorded in the Master Register,

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

Examination under No. 11.32

The requirement of all forms of coordination should be completed

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



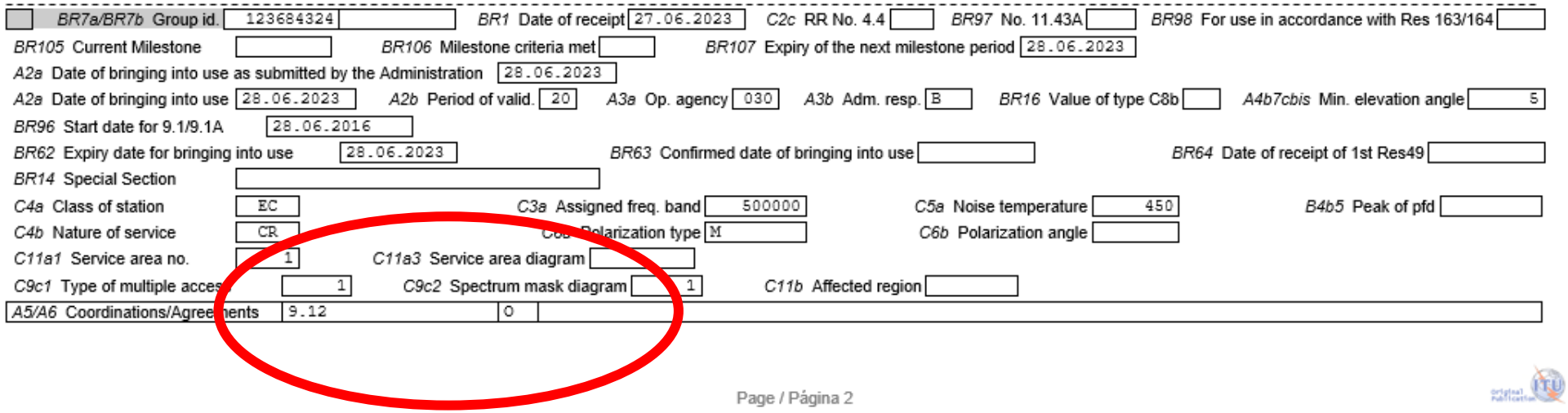
Examination under No. 11.32, TYPES OF COORDINATION

TABLE 5-1 (Rev.WRC-23)

Technical conditions for coordination
(see Article **9**)

Reference of Article 9	Case	Frequency bands (and Region) of the service for which coordination is sought	Threshold/condition	Calculation method	Remarks
No. **9.7** GSO/GSO	A station in a satellite network using the geostationary-satellite orbit (GSO), in any space radiocommunication service, in a frequency band and in a Region where this service is not subject to a Plan, in respect of any other satellite network using that orbit, in any space radiocommunication service in a frequency band and in a Region where this service is not subject to a Plan, with the exception of the coordination between earth stations operating in the opposite direction of transmission	1) 3 400-4 200 MHz 5 725-5 850 MHz (Region 1) and 5 850-6 725 MHz 7 025-7 075 MHz 2) 10.95-11.2 GHz 11.45-11.7 GHz 11.7-12.2 GHz (Region 2) 12.2-12.5 GHz (Region 3) 12.5-12.75 GHz (Regions 1 and 3) 12.7-12.75 GHz (Region 2) and 13.75-14.8 GHz	i) Bandwidth overlap, and ii) any network in the fixed-satellite service (FSS) and any associated space operation functions (see No. **1.23**) with a space station within an orbital arc of ±7° of the nominal orbital position of a proposed network in the FSS i) Bandwidth overlap, and ii) any network in the FSS or broadcasting-satellite service (BSS), not subject to a Plan, and any associated space operation functions (see No. **1.23**) with a space station within an orbital arc of ±6° of the nominal orbital position of a proposed network in the FSS or BSS, not subject to a Plan iii) in the frequency band 14.5-14.8 GHz any network in the space research service (SRS) or FSS not subject to a Plan and any associated space operation functions (see No. **1.23**) with a space station within an orbital arc of ±6° of the nominal orbital position of a proposed network in the SRS or FSS not subject to a Plan		With respect to the space services listed in the threshold/condition column in the frequency bands in 1), 2), 2*bis*), 3), 3*bis*), 4), 5), 6), 7) and 8), an administration may request, pursuant to No. **9.41**, to be included in requests for coordination, indicating the networks for which the value of $\Delta T/T$ calculated by the method in § 2.2.1.2 and 3.2 of Appendix **8** exceeds 6%. When the Bureau, on request by an affected administration, studies this information pursuant to No. **9.42**, the calculation method given in § 2.2.1.2 and 3.2 of Appendix **8** shall be used

No.11.32 is Favourable



BR7a/BR7b Group id. 123684324 | BR1 Date of receipt 27.06.2023 | C2c RR No. 4.4 | BR97 No. 11.43A | BR98 For use in accordance with Res 163/164

BR105 Current Milestone | BR106 Milestone criteria met | BR107 Expiry of the next milestone period 28.06.2023

A2a Date of bringing into use as submitted by the Administration 28.06.2023

A2a Date of bringing into use 28.06.2023 | A2b Period of valid. 20 | A3a Op. agency 030 | A3b Adm. resp. B | BR16 Value of type C8b | A4b7cbis Min. elevation angle 5

BR96 Start date for 9.1/9.1A 28.06.2016

BR62 Expiry date for bringing into use 28.06.2023 | 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 500000 | C5a Noise temperature 450 | B4b5 Peak of pfd

C4b Nature of service CR | C6a Polarization type M | C6b Polarization angle

C11a1 Service area no. 1 | C11a3 Service area diagram

C9c1 Type of multiple access 1 | C9c2 Spectrum mask diagram 1 | C11b Affected region

A5/A6 Coordinations/Agreements	9.12	O

Page / Página 2

I_TSUM Requested by: MULUK Date: 01.12.2024 1:55:42 PM DB: SRS_ALL.MDB Plan id: Notice type: NCNGEO

A | A1a Sat. Network MULTUS | A1f1 Notif. adm. CAN | A1f3 Inter. sat. org. | BR1 Date of receipt 27.06.2023 | BR20 BR IFIC no. 3033

BR6a/BR6b Id. no. 123500110 | BR3a/BR3b Provision reference 11.2 N | BR2 Adm. serial no. | KUS P

C2a1 Assigned frequency

13	GHz

A13 Ref. to Special Sections
API/A/11863
CR/C/4333

	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.
1	110MD7W--	15.6	-64.8	2		-78.4		10	
2	11M0D7W--	15.6	-54.8	2		-68.4		10	
3	1M10D7W--	15.6	-44.8	2		-58.4		10	

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		C8g1 Max. aggr. pwr.	C8g2 Aggr. bandwidth	C8g3 Transp. bandwidth = Aggr. bandwidth
KEPLER-L	T				1	TC	CR	48.4	0.65		2.4		14	500000	Y

	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.
KEPLER-L	A-25*LOG(FI)	29					

Findings | 2D Date of protection 29.12.2016 | 13A Conformity with R A- A- -- | 13B1 Prov. 5.441 | 13B2 Remarks R | 13B3 Date of Review A/29.05.2023

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

PARTIE II-S / PART II-S / PARTE II-S / 第II-S部分 / ЧАСТЬ II-S / II-Sجزء

A	*A1a* Sat. Network: USNN-1	*A1f1* Notif. adm.: USA	*A1f3* Inter. sat. org.		*BR1* Date of receipt: 07.07.2021	*BR20/BR21* BR IFIC no./part: 2969/2			
	BR6a/BR6b Id. no.: 121500147		*BR3a/BR3b* Provision reference: 11.2	N	*BR2* Adm. serial no.			U5	R

BR62 Expiry date for bringing into use: 29.07.2021 — *BR63* Confirmed date of bringing into use: 04.04.2021 — *BR64* Date of receipt of 1st Res49:

BR14 Special Section:

C4a Class of station: ET — *C3a* Assigned freq. band: 4000 — *C5a* Noise temperature: 5000

C4b Nature of service: CO — *C6a* Polarization type: CR — *C6b* Polarization angle:

C11a1 Service area no.: 3 — *C11a2* Service area:

A5/A6 Coordinations/Agreements			
	9.21/A	O	PNG
	9.21/B	O	
	9.21/C	O	CAN HOL
	9.7	O	PNG
	V/11.31.1/C	V	B CUB D E/CNR E F/GUF F/OCE F G I MEX MRC SUI

Notice Id: 121500147

Group Id: 121707287

C2a1 Assigned frequency

1767.725	MHz	1795.752	MHz	1839.795	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/9507 CR/C/4029	1 4M00G7W--	40	-26	40		-26		15	

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
TYPICAL 4	T				1	TT	CO	47	0.7						
TYPICAL 5	T				1	TT	CO	45	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 4	APA						
TYPICAL 5	APA						

Findings — *2D* Date of protection: 22.01.2016 — *13A* Conformity with RR: A- A- -- — *13B1* Prov.: 5.386 — *13B2* Remarks: H — *13B3* Date of Review:

13C Remarks:

Examination under No. 11.32

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

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OFICINA DE RADIOCOMUNICACIONES

RÉSEAU À SATELLITE SATELLITE NETWORK RED DE SATÉLITE	MULTUS		PARTIE PART PARTE: II-S
STATION TERRIENNE EARTH STATION ESTACIÓN TERRENA	---		BR IFIC / DATE BR IFIC / DATE BR IFIC / FECHA: 3033 / 29.10.2024
ADM. RESPONSABLE RESPONSIBLE ADM. ADM. RESPONSABLE: CAN	LONGITUDE NOMINALE NOMINAL LONGITUDE LONGITUD NOMINAL: NGSO		NUMÉRO D'IDENTIFICATION IDENTIFICATION NUMBER NÚMERO DE IDENTIFICACIÓN: 123500110
RENSEIGNEMENTS REÇUS PAR LE BUREAU LE / INFORMATION RECEIVED BY THE BUREAU ON / INFORMACIÓN RECIBIDA POR LA OFICINA EL			27.06.2023

Assignations de fréquence inscrites dans le Fichier de référence au titre de		Frequency assignments recorded in the	
X	Article 11 du Règlement des radiocommunications	X	Article 11 of the Radio Regulatio
	Article 5 des Appendices 30 et/ou 30A		Article 5 of Appendices 30 and/o
	Article 8 de l'Appendice 30B		Article 8 of Appendix 30B

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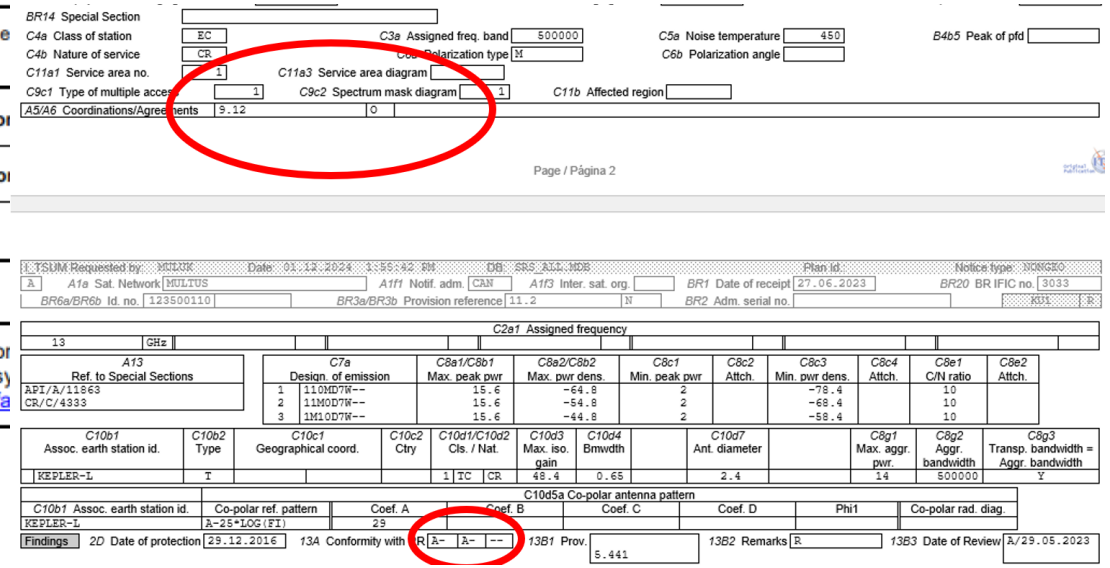


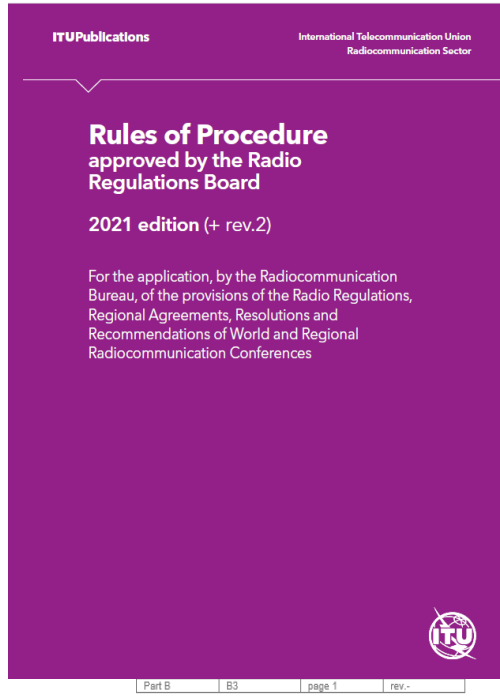
Nos. 11.32A & 11.33 Examination

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

Nos. 11.32A & 11.33 Examination

ITUWRS GENEVA2024

Procedure of 11.32A → *C/I calculation*
(the methoology is described in Rules of Procedure Part B Section B3)



Calculation algorithms (*M*, *C/I*, *C/N*)

1 Margin algorithm

… required $\left(\frac{C}{I}\right)_m$ value, which is

	page 7	rev. -

… noise power which includes all internal … om other systems

… equired *C/I* (dB). Generally, this will be … on the modulation characteristics of the … dations ITU-R S.483 and ITU-R S.523).

… ows:

… s of a network received before 1 January 2005:

- Scenario I (as defined in Section 3):

$$\left(\frac{C}{N_{tot}}\right)=\left(\frac{C}{N}\right)_{obj}-X$$

- Scenario II:

$$\left(\frac{C}{N_{tot}}\right)=MIN\left(\frac{C}{N_i},\left(\frac{C}{N}\right)_{obj}\right)-X$$

b) For receiving frequency assignments of a network received on and after 1 January 2005:

- Scenario I:

$$\left(\frac{C}{N_{tot}}\right)=\left(\frac{C}{N}\right)_{obj}$$

Part B	B3	page 1	rev.-

PART B

SECTION B3

Rules concerning methodology for calculation of probability of harmful interference between satellite networks (*C/I* ratios)

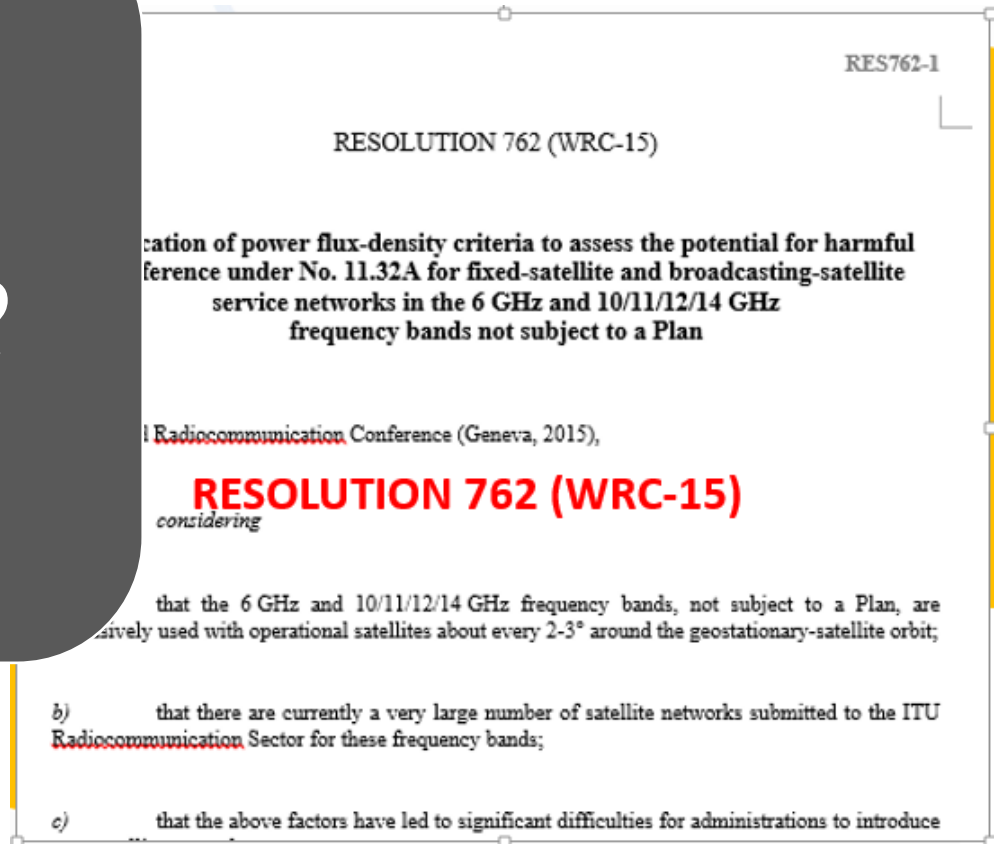
1 Introduction

In application of the provisions of No. **11.32A** when, as a consequence of continuing disagreement (Nos. **9.63** to **9.65**) between two (or a limited number of) administrations, the notifying administration requests the Radiocommunication Bureau, an examination of the probability of harmful interference under No. **11.32A** is carried out. For the calculation method and criteria to be used for the interference assessment as well as the findings to be formulated with respect to coordination of their networks under No. **9.7**, the Bureau shall proceed as follows.

2 Probability of harmful interference

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

Procedure of 11.32A.2 → *Resolution 762 (WRC-15))*



RES762-1

RESOLUTION 762 (WRC-15)

cation of power flux-density criteria to assess the potential for harmful ference under No. 11.32A for fixed-satellite and broadcasting-satellite service networks in the 6 GHz and 10/11/12/14 GHz frequency bands not subject to a Plan

l Radiocommunication Conference (Geneva, 2015),

RESOLUTION 762 (WRC-15)

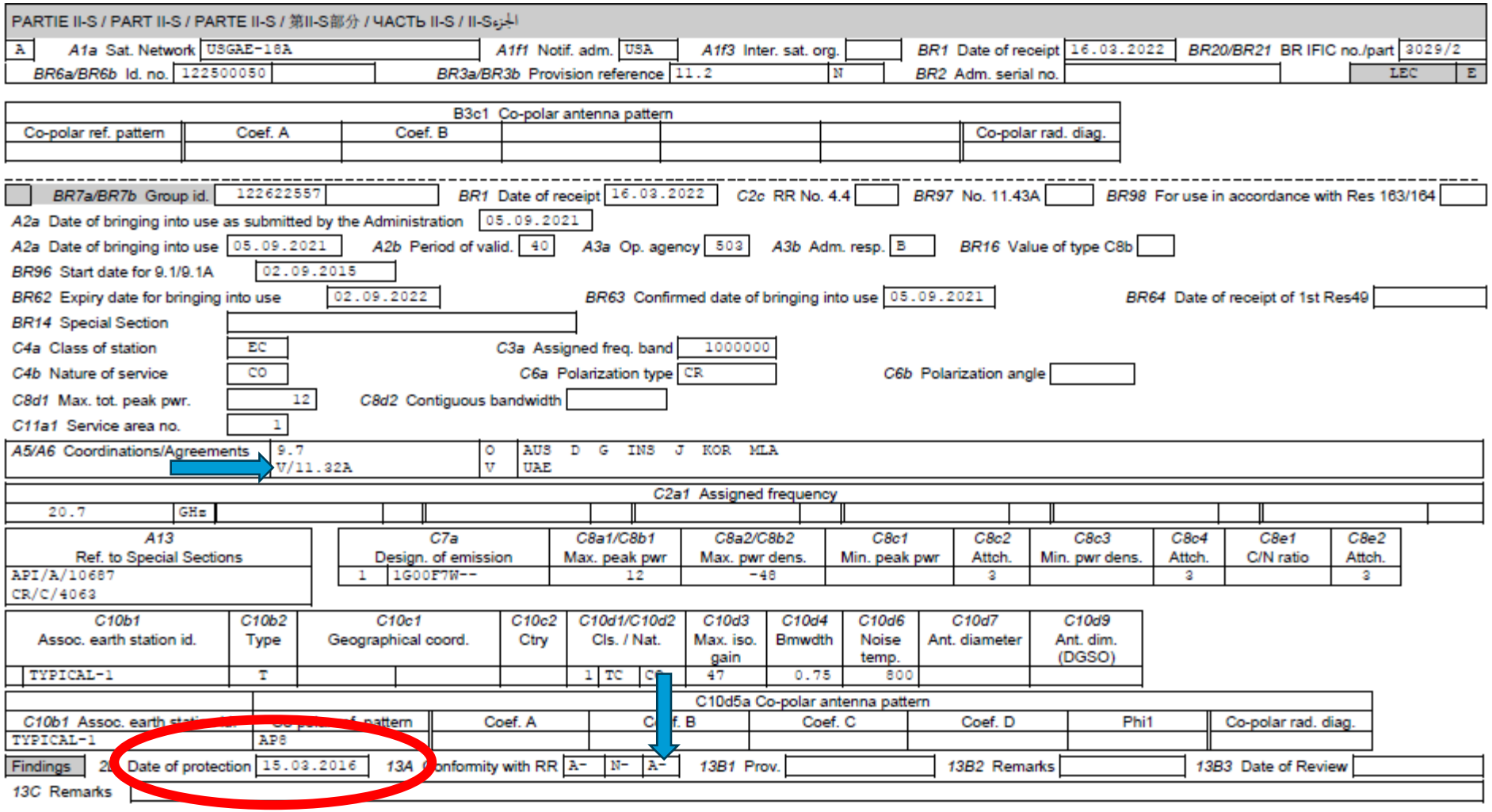
considering

that the 6 GHz and 10/11/12/14 GHz frequency bands, not subject to a Plan, are ively used with operational satellites about every 2-3° around the geostationary-satellite orbit;

b) that there are currently a very large number of satellite networks submitted to the ITU Radiocommunication Sector for these frequency bands;

c) that the above factors have led to significant difficulties for administrations to introduce

PROCEDURE OF No. 11.32A



PARTIE II-S / PART II-S / PARTE II-S / 第II-S部分 / ЧАСТЬ II-S / II-Sجزء

A	*A1a* Sat. Network	USGAE-18A	*A1f1* Notif. adm.	USA	*A1f3* Inter. sat. org.		*BR1* Date of receipt	16.03.2022	*BR20/BR21* BR IFIC no./part	3029/2	
BR6a/BR6b Id. no.	122500050		*BR3a/BR3b* Provision reference	11.2	N		*BR2* Adm. serial no.			LEC	E

B3c1 Co-polar antenna pattern

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

BR7a/BR7b Group id.	122622557	*BR1* Date of receipt	16.03.2022	*C2c* RR No. 4.4		*BR97* No. 11.43A		*BR98* For use in accordance with Res 163/164	

A2a Date of bringing into use as submitted by the Administration 05.09.2021

A2a Date of bringing into use 05.09.2021 *A2b* Period of valid. 40 *A3a* Op. agency 503 *A3b* Adm. resp. B *BR16* Value of type C8b

BR96 Start date for 9.1/9.1A 02.09.2015

BR62 Expiry date for bringing into use 02.09.2022 *BR63* Confirmed date of bringing into use 05.09.2021 *BR64* Date of receipt of 1st Res49

BR14 Special Section

C4a Class of station EC *C3a* Assigned freq. band 1000000

C4b Nature of service CO *C6a* Polarization type CR *C6b* Polarization angle

C8d1 Max. tot. peak pwr. 12 *C8d2* Contiguous bandwidth

C11a1 Service area no. 1

A5/A6 Coordinations/Agreements			
9.7 V/11.32A	O	AUS D G INS J KOR MLA	
	V	UAE	

C2a1 Assigned frequency

20.7	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/10687 CR/C/4063	1 1G00F7W--	12	-48		3		3		3

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-1	T			1 TC	47	0.75	800		

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-1	AP8						

Findings 2 Date of protection 15.03.2016 *13A* Conformity with RR A- N- A- *13B1* Prov. *13B2* Remarks *13B3* Date of Review

13C Remarks

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.

Case of No. 11.35

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

R	*A1a* Sat. Network	CLEOSAT	*A1f1* Notif. adm.	LUX	*A1f3* Inter. sat. org.		*BR1* Date of receipt	22.11.2023	*BR20/BR21* BR IFIC no./part	3025/3	
BR6a/BR6b Id. no.	123500212		*BR3a/BR3b* Provision reference	11.2	N	*BR2* Adm. serial no.			001	R	

	BR7a/BR7b Group id.	123737738		*BR1* Date of receipt	22.11.2023	*C2c* RR No. 4.4		*BR97* No. 11.43A		*BR98* For use in accordance with Res 163/164	
A2a Date of bringing into use as submitted by the Administration	10.05.2022										
A2a Date of bringing into use	10.05.2022	*A2b* Period of valid.	50	*A3a* Op. agency	010	*A3b* Adm. resp.	A	*BR16* Value of type C8b		*A4b7cbis* Min. elevation angle	
BR96 Start date for 9.1/9.1A	12.05.2015										
BR62 Expiry date for bringing into use	12.05.2022			*BR63* Confirmed date of bringing into use	10.05.2022				*BR64* Date of receipt of 1st Res49		
BR14 Special Section											
C4a Class of station	EI		*C3a* Assigned freq. band	5000		*C5a* Noise temperature	600		*B4b5* Peak of pfd		
C4b Nature of service	CP		*C6a* Polarization type	CR		*C6b* Polarization angle					
C11a1 Service area no.	1		*C11a3* Service area diagram								

A5/A6 Coordinations/Agreements			
X/9.12	X	CHN D F RUS USA	
X/9.12A	X	CHN	

C2a1 Assigned frequency

1613.25	MHz

A13 Ref. to Special Sections	*C7a* Design. of emissio	*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/10250 CR/C/4051	1 120KG7W--	5	-45.8	0		-50.8		12.4	

C7b Cal equency of the emissions (120KG7W--)

1613.25	MHz

C10b1 Assoc. earth station id.	*C10b2* Type	*C10c1* Geographical coord.	*C10c2* Ctry	*C10d1* Cls. / Na	*C10d3* ax. iso.	*C10d4* Bmwdth	*C10d7* Ant. diameter	*C8g1* Max. aggr. pwr.	*C8g2* Aggr. bandwidth	*C8g3* Transp. bandwidth = Aggr. bandwidth
USER	T			1 UA					5000	Y

X/9.12, 9.12A

nna pattern

C10b1 Assoc. earth station id.	Co-polar ref. pattern	Coef. A		Coef. D	Phi1	Co-polar rad. diag.
USER	ND-EARTH					

Findings	*13D* Date of protection		*13A* Conformity with R	A-	N-	N-	*13B1* Prov.	5.372	*13B2* Remarks	R	*13B3* Date of Review	
13C Remarks	11.35/9.12,9.12A											

Recording under No. 11.41

When findings unfavorable 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)**

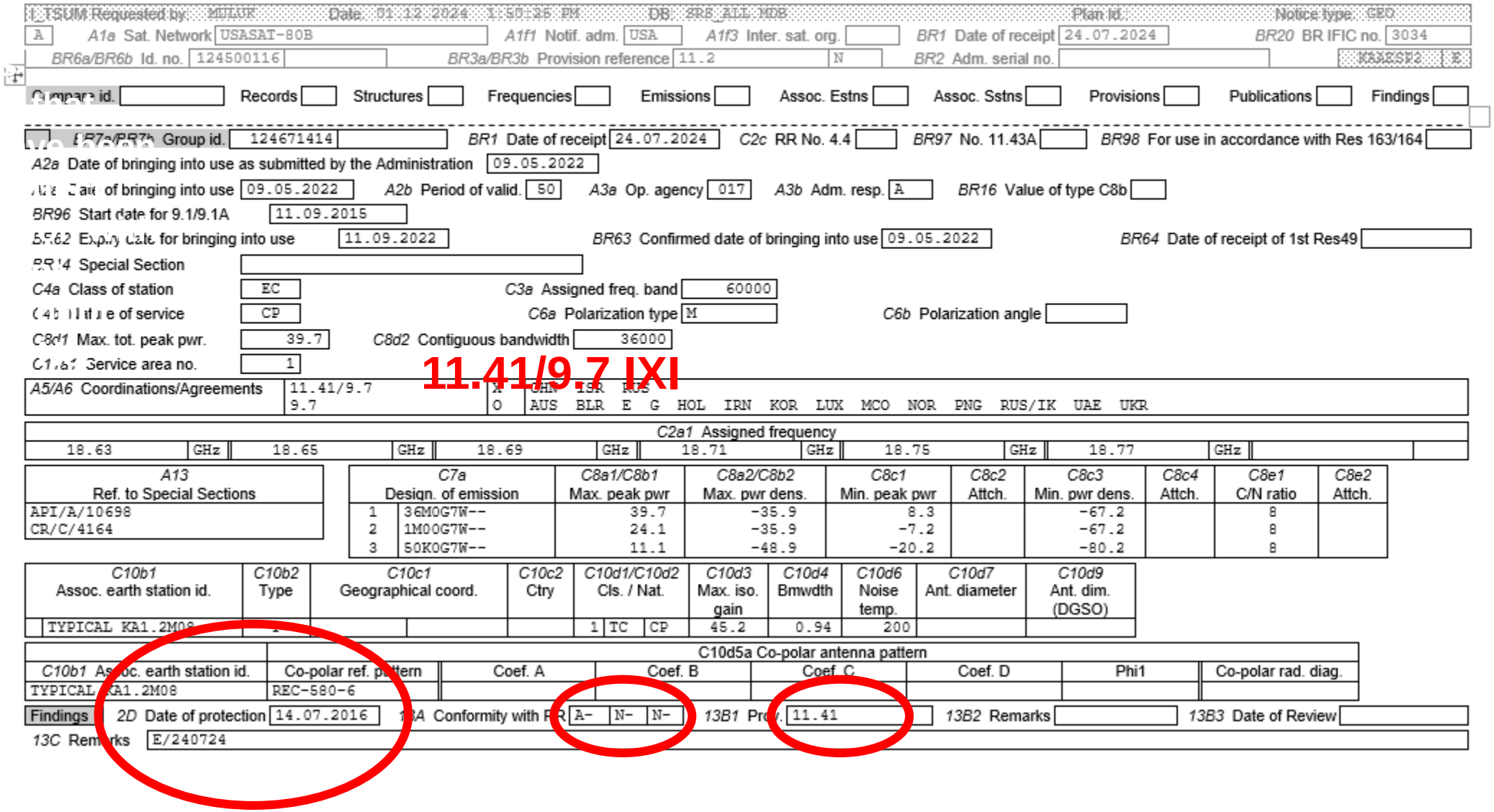
MIFR recording (Part II-S) with an indication:

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



No. 11.43A change in the characteristics of an assignment already recorded

ID number (SNS)	adm	ORG or Geo.area	Satellite name	Earth station	long_nom	Date of receipt	ssn_ref	ssn_no	ssn rev/ Sup	ssn rev no	Type of publication	Part/ Art.	WIC/IFIC (ific.mdb)	WIC/IFIC date
up down	up down	up down	up down	up down	up down	up down	up down	up down			up down		up down	
116545225	F		VHR2020		N-GSO	17.10.2016	API/A	11940					2839	21.02.2017
116545225	F		VHR2020		N-GSO	17.10.2016	API/B	715					2850	25.07.2017
117500206	F		VHR2020		N-GSO	21.08.2017	PART I-S						2855	03.10.2017
117500206	F		VHR2020		N-GSO	21.08.2017	PART II-S						2874	10.07.2018
117500206	F		VHR2020		N-GSO	10.12.2020	PART I-S						2942	23.03.2021
117500206	F		VHR2020		N-GSO	10.12.2020	PART II-S						2945	04.05.2021
117500206	F		VHR2020		N-GSO	19.07.2021	PART II-S						2967	22.03.2022
117500206	F		VHR2020		N-GSO	27.01.2022	PART I-S						2969	19.04.2022
117500206	F		VHR2020		N-GSO	27.01.2022	PART II-S						2973	14.06.2022
117500206	F		VHR2020		N-GSO	08.02.2022	PART II-S				Resumption		2982	18.10.2022
117500206	F		VHR2020		N-GSO	17.06.2024	PART I-S						3031	01.10.2024
117500206	F		VHR2020		N-GSO	17.06.2024	PART II-S						3034	12.11.2024

BR7a/BR7b Group id. 124682794 — *BR1* Date of receipt 17.06.2024 — *C2c* RR No. 4.4 — *BR97* No. 11.43A Y — *BR98* For use in accordance with Res 163/164
BR105 Current Milestone — *BR106* Milestone criteria met — *BR107* Expiry of the next milestone period
A2a Date of bringing into use as submitted by the Administration 11.05.2021
A2a Date of bringing into use 11.05.2021 — *A2b* Period of valid. 25 — *A3a* Op. agency 100 — *A3b* Adm. resp. A — *BR16* Value of type C8b — *A4b7cbis* Min. elevation angle
BR96 Start date for 9.1/9.1A 17.06.2024

Page / Página 18

I_TSUM Requested by: MULUW Date: 01.12.2024 1:31:28 PM DB: SRS_ALL.MDB Plan Id: Notice type: NONGEO
M *A1a* Sat. Network VHR2020 — *A1f1* Notif. adm. F — *A1f3* Inter. sat. org. — *BR1* Date of receipt 17.06.2024 — *BR20* BR IFIC no. 3034
BR6a/BR6b Id. no. 117500206 — *BR3a/BR3b* Provision reference 11.2 N — *BR2* Adm. serial no. — TMX E

BR62 Expiry date for bringing into use 17.06.2029 — *BR63* Confirmed date of bringing into use 11.05.2021 — *BR64* Date of receipt of 1st Res49
BR14 Special Section
C4a Class of station EW — *C3a* Assigned freq. band 316000 — *B4b5* Peak of pfd
C4b Nature of service CR — *C6a* Polarization type D — *C6b* Polarization angle
C8d1 Max. tot. peak pwr. 10 — *C8d2* Contiguous bandwidth 316000
C11a1 Service area no. 1 — *C11a3* Service area diagram
A5/A6 Coordinations/Agreements

C2a1 Assigned frequency: 8183 MHz

A13 Ref. to Special Sections
API/A/11940

	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.
1	316MG7W--	10	-75	5		-80		10	

C7b Carrier frequency of the emissions (316MG7W--): 8183 MHz

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
TYPICAL_3_7_M	T				1	TW	CR	47.6	0.66	140	3.7
LESZNO	S	016E37 17	51N53 08	POL	1	TW	CR	51.7	0.46	122	5.5
BIALOBRZEGI	S	021E03 45	52N26 46	POL	1	TW	CR	51.7	0.46	122	5.5
ABU DHABI 2	S	054E27 29	24N25 59	UAE	1	TW	CR	52.1	0.38	130	5.5

	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_3_7_M	A-25*LOG(FI)	32					
LESZNO	A-25*LOG(FI)	32					
BIALOBRZEGI	A-25*LOG(FI)	32					
ABU DHABI 2	A-25*LOG(FI)	32					

Findings — *2D* Date of protection 17.06.2024 — *13A* Conformity with RR A- -- -- — *13B1* Prov. 11.43A — *13B2* Remarks — *13B3* Date of Review
13C Remarks

EARTH STATIONS NOTIFICATION SPECIAL SECTION
PART II-S

UNION INTERNATIONALE DES TÉLÉCOMMUNICATIONS
BUREAU DES RADIOCOMMUNICATIONS

INTERNATIONAL TELECOMMUNICATION UNION
RADIOCOMMUNICATION BUREAU

UNIÓN INTERNACIONAL DE TELECOMUNICACIONES
OFICINA DE RADIOCOMUNICACIONES

RÉSEAU À SATELLITE SATELLITE NETWORK RED DE SATÉLITE	KAZSAT1			PARTIE PART PARTE	II-S
STATION TERRIENNE EARTH STATION ESTACIÓN TERRENA	S.KARAKAMYS_31546_E_FTDMA			BR IFIC / DATE BR IFIC / DATE BR IFIC / FECHA	3032 / 15.10.2024
ADM. RESPONSABLE RESPONSIBLE ADM. ADM. RESPONSABLE	KAZ	LONGITUDE NOMINALE NOMINAL LONGITUDE LONGITUD NOMINAL	58.5 E	NUMÉRO D'IDENTIFICATION IDENTIFICATION NUMBER NÚMERO DE IDENTIFICACIÓN	124505051
RENSEIGNEMENTS REÇUS PAR LE BUREAU LE / INFORMATION RECEIVED BY THE BUREAU ON / INFORMACIÓN RECIBIDA POR LA OFICINA EL					03.05.2024

Assignations de fréquence inscrites dans le Fichier de référence au titre de		Frequency assignments recorded in the Master Register under		Asignaciones de frecuencia inscritas 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

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.

EARTH STATIONS NOTIFICATION AND COORDINATION CONTOUR

PARTIE II-S / PART II-S / PARTE II-S / 第II-S部分 / ЧАСТЬ II-S / II-Sجزء

A	*A1e2* Station name	GOLDSTONE CA DSS-14	*A1f1* Notif. adm.	USA	*A1f3* Inter. sat. org.		*BR1* Date of receipt	15.12.2021	*BR20/BR21* BR IFIC no./part	2974/2	
BR6a/BR6b Id. no.	121505551		*BR3a/BR3b* Provision reference	11.2	N	*BR2* Adm. serial no.	NS-2120		B2	R	

BR19 Ref. to BR IFIC I 2966

A1e1 Type S *A1e3a* Ctry USA *A1e3b* Geo. coord. 116W53 22 35N25 33 *A4c1* Assoc. space station JWST-R2

BR59 Azimuth	0	60	120	180	240	300
A7a1 Hor. elev. angle	0	0	0	0	0	0
A7a2 Distance						

A7b1 Min. elev. angle *A7c1* Start azimuth *A7c2* End azimuth *A7d* Altitude 1002 *A7a3* Horiz. elev. diag.

A16b Single entry pfd commitment *A18a* Aircraft earth station commitment

BR59 Azimuth	0	60	120	180	240	300
A7e Min. elev. angle	10	10	10	10	10	10

B1a/BR17 Beam designation B2 *B2* Emi-Rcp R *B5a* Isotropic gain 62.2 *B5b* Beamwidth 0.11 *A7f* Ant. diameter 70 *A10a* Coord. area diag. 2

B5c Co-polar antenna pattern

Ref. pat.	Coef. A	Coef. B		Coef. D	Phi1	Rad. diag.
REC-465-6-R						

B5d Antenna dimension (DGSO)

BR7a/BR7b Group id. 121742453 *BR1* Date of receipt 15.12.2021 *C2c* RR No. 4.4

A2a Date of bringing into use 22.12.2021 *A3a* Op. agency 502 *A3b* Adm. resp. B *BR16* Value of type C8

BR14 Special Section

C4a Class of station TH *C3a* Assigned freq. band 2000 *C5b* Noise temperature

C4b Nature of service CO *C6a* Polarization type D

A5/A6 Coordinations/Agreements 9.17 O MEX

C2a1 Assigned frequency

2270.5 MHz

A13 Ref. to Special Sections	*C7a* Design. of emission		*C8e1* C/N ratio	*C8e2* Attch.
API/A/12956	1	2M00G2D--	4.5	

Findings *2D* Date of protection 15.12.2021 *13A* Conformity with RR A- A- -- *13B1* Prov. *13B2* Remarks *13B3* Date of Review A/22.11.2021

13C Remarks

B1a/BR17 Beam designation B1 *B2* Emi-Rcp E *B5a* Isotropic gain 61.5 *B5b* Beamwidth 0.12 *A7f* Ant. diameter 70 *A10a* Coord. area diag. 1

B5c Co-polar antenna pattern

Ref. pat.	Coef. A	Coef. B		Coef. D	Phi1	Rad. diag.
REC-465-6-E						

B5d Antenna dimension (DGSO)

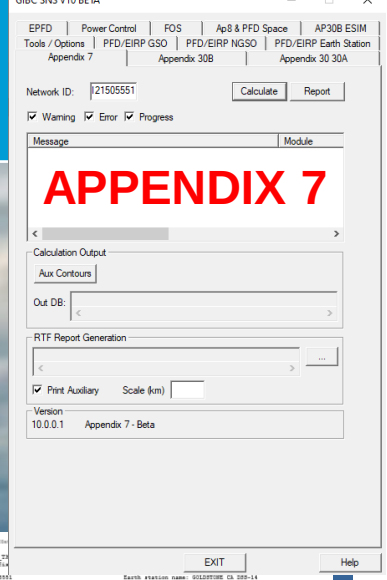
BR7a/BR7b Group id. 121742452 *BR1* Date of receipt 15.12.2021 *C2c* RR No. 4.4

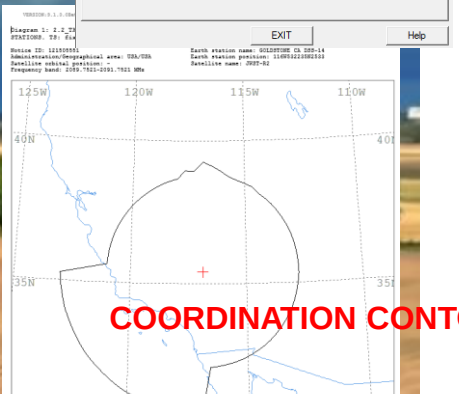
A2a Date of bringing into use 22.12.2021 *A3a* Op. agency 502 *A3b* Adm. resp. B *BR16* Value of type C8b

BR14 Special Section

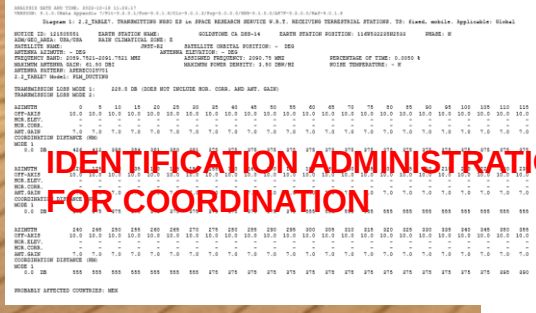
Page / Página / 页 / стр. / 6 الصفحة

Coordination No.9.17 IOI MEX





COORDINATION CONTOU

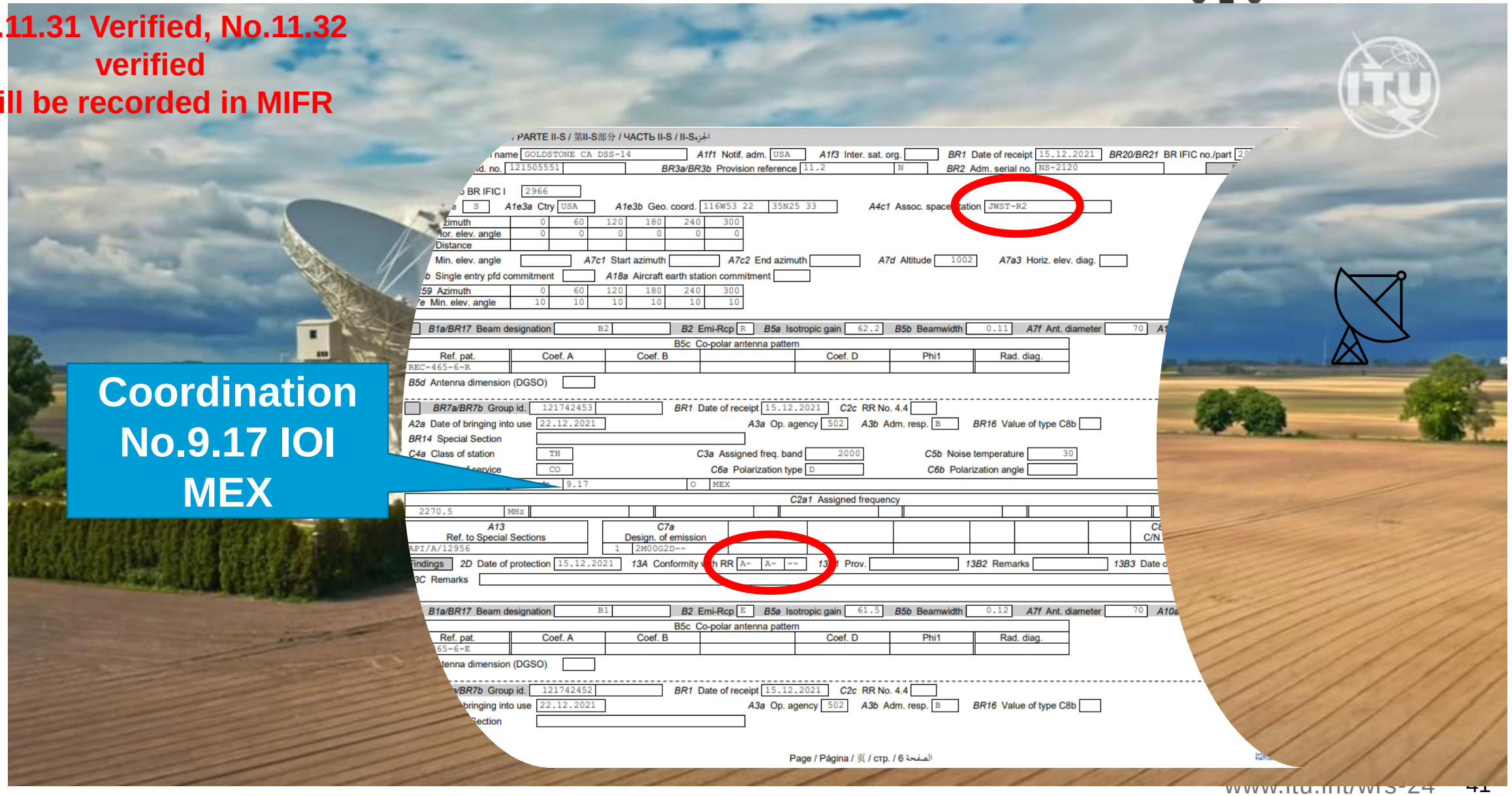


IDENTIFICATION ADMINISTRATIO FOR COORDINATION

EARTH STATIONS NOTIFICATION

No.11.31 Verified, No.11.32 verified
Will be recorded in MIFR

Coordination No.9.17 IOI MEX



PARTE II-S / 第II-S部分 / ЧАСТЬ II-S / II-Sجزء

name GOLDSTONE CA DSS-14 | A1f1 Notif. adm. USA | A1f3 Inter. sat. org. | BR1 Date of receipt 15.12.2021 | BR20/BR21 BR IFIC no./part 29
nd. no. 121505551 | BR3a/BR3b Provision reference 11.2 N | BR2 Adm. serial no. NS-2120
BR IFIC I 2966
S | A1e3a Ctry USA | A1e3b Geo. coord. 116W53 22 35N25 33 | A4c1 Assoc. space station JWST-R2

Azimuth	0	60	120	180	240	300
Hor. elev. angle	0	0	0	0	0	0
Distance						

Min. elev. angle | A7c1 Start azimuth | A7c2 End azimuth | A7d Altitude 1002 | A7a3 Horiz. elev. diag.
b Single entry pfd commitment | A18a Aircraft earth station commitment

59 Azimuth	0	60	120	180	240	300
e Min. elev. angle	10	10	10	10	10	10

B1a/BR17 Beam designation B2 | B2 Emi-Rcp R | B5a Isotropic gain 62.2 | B5b Beamwidth 0.11 | A7f Ant. diameter 70

B5c Co-polar antenna pattern

Ref. pat.	Coef. A	Coef. B		Coef. D	Phi1	Rad. diag.
REC-465-6-R						

B5d Antenna dimension (DGSO)

BR7a/BR7b Group id. 121742453 | BR1 Date of receipt 15.12.2021 | C2c RR No. 4.4
A2a Date of bringing into use 22.12.2021 | A3a Op. agency 502 | A3b Adm. resp. B | BR16 Value of type C8b
BR14 Special Section
C4a Class of station TH | C3a Assigned freq. band 2000 | C5b Noise temperature 30
service CO | C6a Polarization type D | C6b Polarization angle
9.17 O MEX

C2a1 Assigned frequency
2270.5 MHz

A13 Ref. to Special Sections	C7a Design. of emission
API/A/12956	1 2M00G2D--

Findings | 2D Date of protection 15.12.2021 | 13A Conformity with RR A- A- -- | 13 Prov. | 13B2 Remarks | 13B3 Date
3C Remarks

B1a/BR17 Beam designation B1 | B2 Emi-Rcp E | B5a Isotropic gain 61.5 | B5b Beamwidth 0.12 | A7f Ant. diameter 70

B5c Co-polar antenna pattern

Ref. pat.	Coef. A	Coef. B		Coef. D	Phi1	Rad. diag.
65-6-E						

tenna dimension (DGSO)

/BR7b Group id. 121742452 | BR1 Date of receipt 15.12.2021 | C2c RR No. 4.4
bringing into use 22.12.2021 | A3a Op. agency 502 | A3b Adm. resp. B | BR16 Value of type C8b
ection

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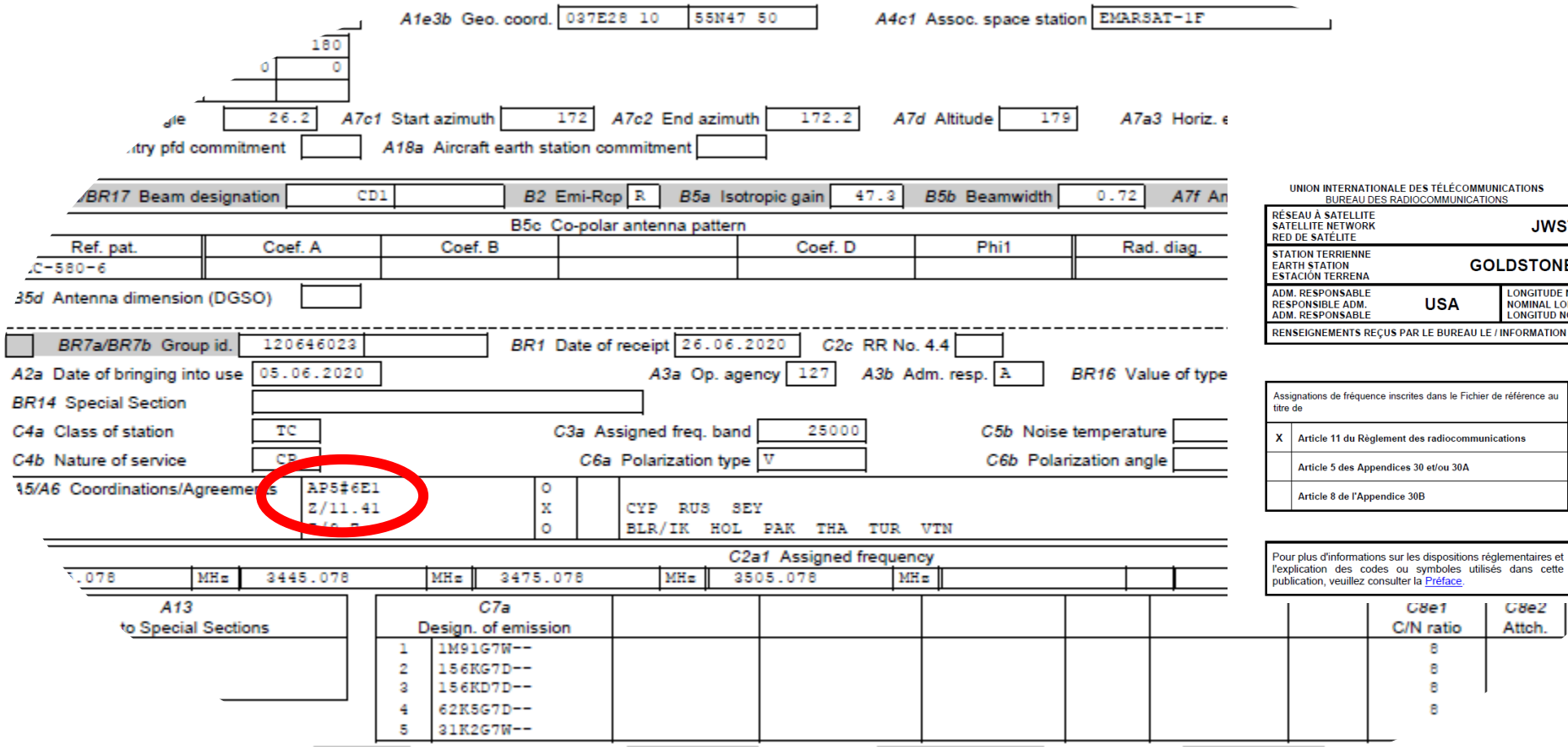
EARTH STATIONS NOTIFICATION



A1e3b Geo. coord. 037E28 10 | 55N47 50 — A4c1 Assoc. space station: EMARSAT-1F

180 / 0 / 0

...gle 26.2 — A7c1 Start azimuth 172 — A7c2 End azimuth 172.2 — A7d Altitude 179 — A7a3 Horiz. e

...try pfd commitment — A18a Aircraft earth station commitment

BR17 Beam designation: CD1 — B2 Emi-Rcp: R — B5a Isotropic gain: 47.3 — B5b Beamwidth: 0.72 — A7f An

B5c Co-polar antenna pattern

Ref. pat.	Coef. A	Coef. B	Coef. D	Phi1	Rad. diag.
...C-580-6					

B5d Antenna dimension (DGSO)

BR7a/BR7b Group id.: 120646023 — BR1 Date of receipt: 26.06.2020 — C2c RR No. 4.4

A2a Date of bringing into use: 05.06.2020 — A3a Op. agency: 127 — A3b Adm. resp.: A — BR16 Value of type

BR14 Special Section

C4a Class of station: TC — C3a Assigned freq. band: 25000 — C5b Noise temperature

C4b Nature of service: CR — C6a Polarization type: V — C6b Polarization angle

...5/A6 Coordinations/Agreements: AP5‡6E1 / Z/11.41 — O / X / O — CYP RUS SEY / BLR/IK HOL PAK THA TUR VTN

C2a1 Assigned frequency

...078	MHz	3445.078	MHz	3475.078	MHz	3505.078	MHz

A13 to Special Sections		C7a Design. of emission	C8e1 C/N ratio	C8e2 Attch.
	1	1M91G7W--	8	
	2	156KG7D--	8	
	3	156KD7D--	8	
	4	62K5G7D--	8	
	5	31K2G7W--		

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RÉSEAU À SATELLITE / SATELLITE NETWORK / RED DE SATÉLITE	JWST-R2	PARTIE / PART / PARTE	II-S
STATION TERRIENNE / EARTH STATION / ESTACIÓN TERRENA	GOLDSTONE CA DSS-14	BR IFIC / DATE / BR IFIC / DATE / BR IFIC / FECHA	2974 / 28.06.2022
ADM. RESPONSABLE / RESPONSIBLE ADM. / ADM. RESPONSABLE: USA — LONGITUDE NOMINALE / NOMINAL LONGITUDE / LONGITUD NOMINAL: NGSO		NUMÉRO D'IDENTIFICATION / IDENTIFICATION NUMBER / NÚMERO DE IDENTIFICACIÓN	121505551
RENSEIGNEMENTS REÇUS PAR LE BUREAU LE / INFORMATION RECEIVED BY THE BUREAU ON / INFORMACIÓN RECIBIDA POR LA OFICINA EL			15.12.2021

Assignations de fréquence inscrites dans le Fichier de référence au titre de		Frequency assignments recorded in the Master Register under		Asignaciones de frecuencia inscritas 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

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.

e) for assignments to earth stations in relation to terrestrial stations or earth stations operating in the opposite direction of transmission, when an administration proposes:

i) to bring into use an earth station the coordination area of which does not include any of the territory of any other country;

N/9.17?

PARTIE II-S / PART II-S / PARTE II-S / 第II-S部分 / ЧАСТЬ II-S / II-S部分

R | *A1e2* Station name: HUN-SZI-21 | *A1f1* Notif. adm.: HNG | *A1f3* Inter. sat. org.: | *BR1* Date of receipt: 22.05.2024 | *BR20/BR21* BR IFIC no./part: 3033/2

BR6a/BR6b Id. no.: 124505098 | *BR3a/BR3b* Provision reference: 11.2 | N | *BR2* Adm. serial no.: | KR2R | E

B1a/BR17 Beam designation: KR2R | *B2* Emi-Rcp: E | *B5a* Isotropic gain: 52.7 | *B5b* Beamwidth: 0.36 | *A7f* Ant. diameter: 3.7 | *A10a* Coord. area diag.: 1

B5c Co-polar antenna pattern

Ref. pat.	Coef. A	Coef. B		Coef. D	Phi1	Rad. diag.
ABCDphi1	29	25	32	25	6.9	

B5d Antenna dimension (DGSO):

BR7a/BR7b Group id.: 124669416 | *BR1* Date of receipt: 22.05.2024 | *C2c* RR No. 4.4:

A2a Date of bringing into use as submitted by the Administration:

A2a Date of bringing into use: 06.06.2023 | *A3a* Op. agency: 063 | *A3b* Adm. resp.: A | *BR16* Value of type C8b:

BR14 Special Section:

C4a Class of station: TC | *C3a* Assigned freq. band: 36000

C4b Nature of service: CV | *C6a* Polarization type: H | *C6b* Polarization angle:

C8g1 Max. aggr. pwr.: 26 | *C8g2* Aggr. bandwidth: 36000 | *C8g3* Transp. bandwidth = Aggr. bandwidth: Y

A5/A6 Coordinations/Agreements			
	9.17	O	BIH CZE HRV POL ROU SRB SVK SVN UKR
	N/9.17	O	AUT
	Z/11.41	X	CTI/RAS F/EUT F RUS/IK
	Z/9.7	O	ARS/ARB AUS ISR MCO MLA NOR S

C2a1 Assigned frequency

13.893	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.
AR11/A/4598 CR/C/2086	1	36M0G7WDN	26	-49.6	13.8		-61.8	

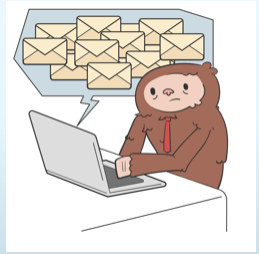
Findings | *2D* Date of protection: 22.05.2024 | *13A* Conformity with RR: A- | A- | -- | *13B1* Prov.: | *13B2* Remarks: | *13B3* Date of Review:

13C Remarks:

SUMMARY

The notification process from the notice creation, through Part I-S publication, the technical examination and the final recording in MIFR 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!

ITU – Radiocommunication Bureau

Questions to brmail@itu.int or mehtap.muluk@itu.int