

FSS PLAN (Appendix 30B)

**(Technical pre-examination
(Annex 3 + Article 21/22 hard limits))**

2-6 December 2024, Geneva, Switzerland

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(Technical pre-examination (Annex 3 + Article 21/22 hard limits))



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CH-1211 Geneva 20
Switzerland

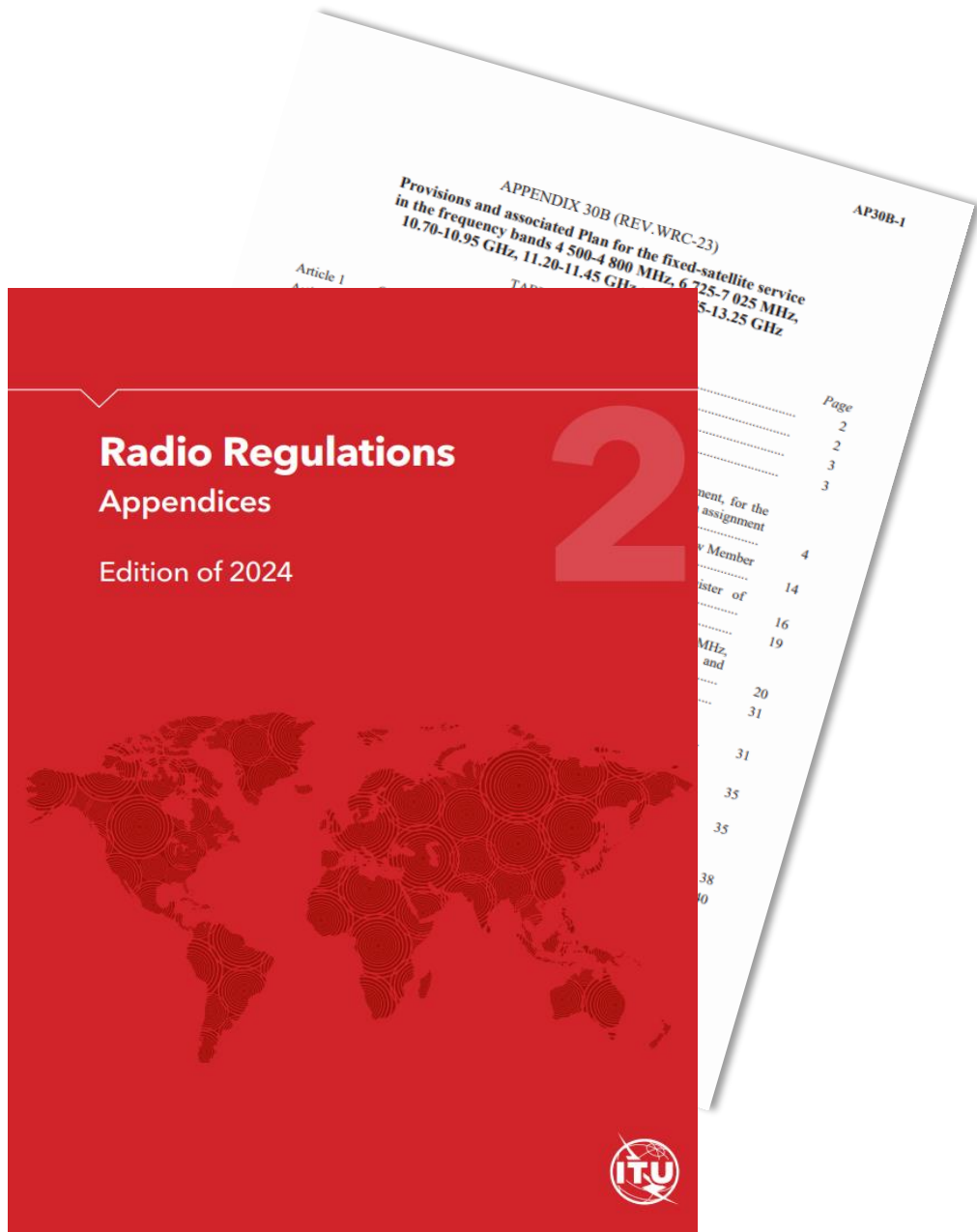
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WORKSHOP



- ✓ **Introduction**
- ✓ **Compatibility Issues within AP30B and beyond**
- ✓ **Types of Examination conducted by the Bureau**
- ✓ **Examples of publication with unfavourable findings**
- ✓ **Workshop Exercises:**
 - ✓ **Exercise 1: Self-Exam under §§ 6.3a) and 6.19b) – “other provisions” of the Radio Regulations**
 - ✓ **Exercise 2: Self-Exam under §§ 6.3b) and 6.19c) - Annex 3 to Appendix 30B (protection beyond coord. arc)**
 - ✓ **Exercise 3: Self-Exam under §§ 6.6 and 6.19a) - agreement of ADMs to be included in the service area**



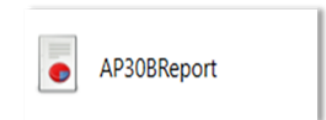
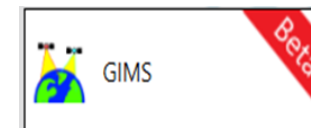
122559099_ITUSAT-30B.mdb

Available: / Exercise_3_AP30B_Art.21_22

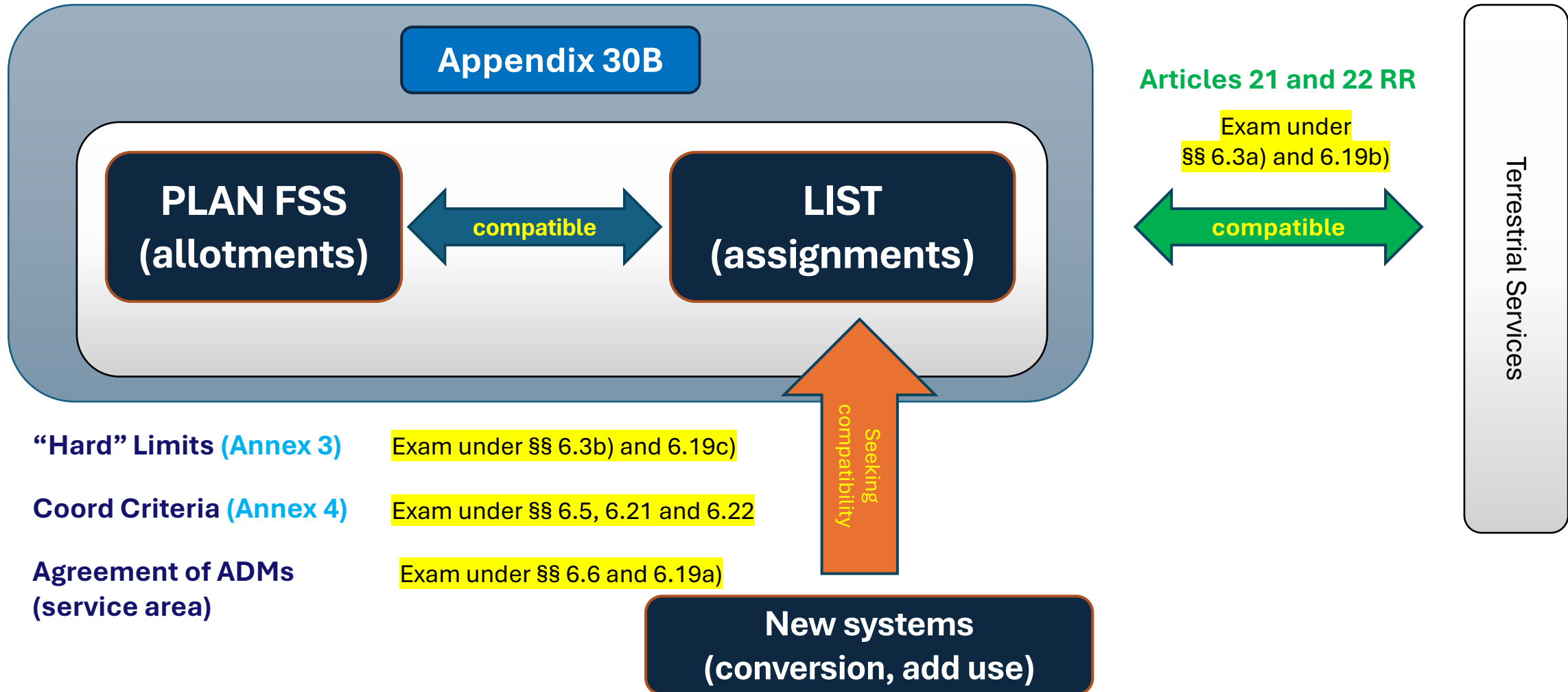


122559099_ITUSAT-30B_GIMS.mdb

Available: / Exercise_3_AP30B_Art.21_22



Compatibility Issues within AP30B and beyond



Types of Examination

Compliance with “Hard” Limits:

- * Exam under §§ 6.3a) and 6.19b) – “*other provisions*” of the Radio Regulations,
- * Exam under §§ 6.3b) and 6.19c) - Annex 3 to Appendix **30B** (protection beyond coord. arc)

Agreements of ADMs (service area)

- * Exam under §§ 6.6 and 6.19a) - agreement of ADMs to be included in the service area

Workshop...

Example of Special Section AP30B/A6A/XXX contains assignment with unfavourable finding

BR findings / Notes

Publication under provisions of Article 6 of Appendix 30B to the Radio Regulations
Information regarding: <input checked="" type="checkbox"/> Notice received under § 6.1, or <input type="checkbox"/> Notice treated as a submission under § 6.1 in accordance with § 7.7 of Article 7.
Examined and published in accordance with the following provisions of Article 6: <input checked="" type="checkbox"/> Assignments examined under § 6.3, § 6.5 and § 6.6, and published under § 6.7. <input checked="" type="checkbox"/> Assignments examined under § 6.3 and returned to the notifying administration under § 6.4.

BR findings are established for each frequency assignment

OK

Findings

13A Conformity with RR

A-

--

--

13B1 Provision



Findings

13A Conformity with RR

N-

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13B1 Provision

X/30B#6.3b



Findings

13A Conformity with RR

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13B1 Provision

Such assignments are published **for information** only and **do NOT use** for identification of affected administrations and/or satellite networks



Radiocommunication Bureau Notes

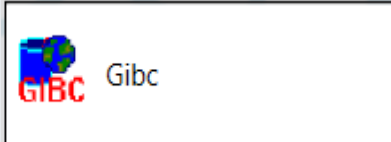
Note relating to the return of assignments having favourable findings but without any favourable associated linked assignment

Assignments receiving a favourable finding that do not have any associated linked assignment with a favourable finding have also been returned.

Example of Special Section AP30B/A6A/XXX contains assignment with unfavourable finding

D BR7a Group id. 46913		BR1 Date of receipt 11.06.2024		2D Date of protection	
BR62 Expiry date for bringing into use				BR64 Date of receipt of 1st Res49	
C1 Frequency Range					
C1a Lower limit		C1b Upper limit			
12750	MHz	13000	MHz		
13000	MHz	13250	MHz		
C4a Class of station EC				C5a Noise temperature 550	
C11a1 Service area no. 1		C11a5e Min. elev. angle		C11a3 Service area diagram	
Associated typical earth station antenna characteristics					
C10d3 Max. iso. gain	C10d4 Bmwdth	C10d5a1a Co-polar ref. pattern	C10d5a1b Coef. A	C10d9 Ant. dim. (DGSO)	
39.2	2	APEREC015V01			
Maximum Power density per Hz over ...					
C8b2 4 kHz	C8h Necessary bandwidth				
-46.2	-46.2				
Findings 13A Conformity with RR N- -- -- 13B1 Prov. 30B#6.3b					
C11a5a Test points are identical to group id.				46909	

Compliance with “Hard” Limits

Input Database(s)	BR software	Output Database(s)
Exercise 1: Self-Exam under §§ 6.3a) and 6.19b) – “other provisions” of the Radio Regulations		
122559099_ITUSAT-30B.mdb 122559099_ITUSAT-30B_GIMS.mdb	 “PFD / EIRP GSO”	PFDGSO_Report.rtf

Workshop...

RR Article 21 - Hard limits to protect terrestrial services

- No 21.8** Power limits for Earth Stations
- No 21.14** Minimum angle of elevation of Earth Station (3°)
- No 21.16** Limits of power flux-density from space stations

RR Article 22 - Hard limits to control interference to GSO systems

- No 22.26** Off-axis power limits on Earth Station of a geostationary-satellite network in the Fixed-Satellite Service (12.75-13.25GHz)

Exercise 1: Self-Exam under §§ 6.3a) and 6.19b)



SpaceGIBc SNS V10.0 Beta

Coordination 9.7B | EPFD | PFD/EIRP EarthStation | PFD/EIRP NGSO | PFD/EIRP GSO | Appendix 7 | Appendix 30B | Appendix 30 30A | Ap8 & PFD Space | Power Control | FOS | FOT (Beta version) | AP30BESIM | Tools / Options | Chaining Manager

GIMS Databases

Container	Database	Container Path
	122559099_ITUSAT-30B_GIMS.mdb	

Add... Clear List

SRS Database

Database
122559099_ITUSAT-30B_v10.mdb

Browse... Add... Clear List

ESCC Database Transfer

Transfer All Remove Clear All Add Pwd:

EXIT

SpaceGIBc SNS V10.0 Beta

Appendix 7 | Appendix 30B | Appendix 30 30A | Ap8 & PFD Space | Power Control | FOS | FOT (Beta version) | AP30BESIM | Tools / Options | Chaining Manager | PFD/EIRP GSO

PFD/EIRP Limits applicable to GSO network

Network: 122559099 ITUSAT-30B Start Cancel

Examination Options

Examination: Hard Limits

PowerControl (dBW):

☒ Worst case only

☒ Use SF.675 from 1st May 2024

☒ Use RoP 21.16 where applicable

"Before" Examination

☐ Perform "Before" Comparisons

☐ Appendix 30 Art.4.1.11

Add Delete

Schedule

Add >> Clear Start all << File

Messages Filter

☒ Progress ☒ Warning ☐ Debug

Message

Calculation Results

Open Database View Log Open Folder View Report

Version 10.0.0.2 PFD GSO Pack - Beta View Notes Select Version

EXIT

SpaceGIBc SNS V10.0 Beta

Appendix 7 | Appendix 30B | Appendix 30 30A | Ap8 & PFD Space | Power Control | FOS | FOT (Beta version) | AP30BESIM | Tools / Options | Chaining Manager | PFD/EIRP GSO

PFD/EIRP Limits applicable to GSO network

Network: 122559099 ITUSAT-30B Start Cancel

Examination Options

Examination: Hard Limits

PowerControl (dBW):

☒ Worst case only

☒ Use SF.675 from 1st May 2024

☒ Use RoP 21.16 where applicable

"Before" Examination

☐ Perform "Before" Comparisons

☐ Appendix 30 Art.4.1.11

Add Delete

Schedule

Add >> Clear Start all << File

Messages Filter

☒ Progress ☒ Warning ☐ Debug

Message

PROGR> Compacting output database
PROGR> Compacting batchresults database
PROGR> End of program.
PFD calculation finished. 15:18:31.

Calculation Results

C:\Users\klyuchar\ITU\BR_SPACE_v10.0\TEX_RESULTS\122559099\PFD_H_24

Open Database View Log Open Folder View Report

Version 10.0.0.2 PFD GSO Pack - Beta View Notes Select Version

EXIT

Exercise 1: Self-Exam under §§ 6.3a) and 6.19b)

EARTH STATION E.I.R.P VALUES WILL BE CHECKED AGAINST ARTICLE 21 LIMITS

EIRP EXAMINATION	P	122559099	SUI	ITUSAT-30B	-52.50 DEG 0.10 0.10	04.10.2022
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NO UNFAVORABLE FINDING FOUND IN EIRP EXAMINATION.

PLEASE CONTINUE CHECKING THE REPORT IN THE NEXT PAGE ...

ESIM POWER COMPLIANCE WILL BE CHECKED WHERE APPLICABLE

ESIM EXAMINATION	P	122559099	SUI	ITUSAT-30B	-52.50 DEG 0.10 0.10	04.10.
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NO UNFAVORABLE FINDING FOUND IN ESIM EXAMINATION.

PLEASE CONTINUE CHECKING THE REPORT IN THE NEXT PAGE ...



SPACE STATION PFD VALUES WILL BE CHECKED AGAINST HARD LIMITS ONLY

PFD EXAMINATION	P	122559099	SUI	ITUSAT-30B	-52.50 DEG 0.10 0.10	04.10.2022
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EATK E FIXED GAIN MAX: 30.60 DBi

000000034 EC 2D DATE: 04.10.2022 (DN)

10.82500 GHZ	250000 KHZ	EMISS: 250M	PEP MAX:	DBW PWR DS MAX: -47.10 DBW/HZ	PWR DS NBW: -47.10 DBW/HZ	REF.BW: 0.004 MHZ
PROV: (06) RR 21.16	SRV: FSS			PROT AREA: ALL WORLD		
WORST CASE: 023E5033 00N5818/	5.00 COD		GAIN: 28.82 DB	PFD: -145.53	PFDL: -150.00	PFDX: 4.47 FINDING: N- X/21.16
11.32500 GHZ	250000 KHZ	EMISS: 250M	PEP MAX:	DBW PWR DS MAX: -47.10 DBW/HZ	PWR DS NBW: -47.10 DBW/HZ	REF.BW: 0.004 MHZ
PROV: (06) RR 21.16	SRV: FSS			PROT AREA: ALL WORLD		
WORST CASE: 023E5033 00N5818/	5.00 COD		GAIN: 28.82 DB	PFD: -145.53	PFDL: -150.00	PFDX: 4.47 FINDING: N- X/21.16

Analyze of the Report...

Exercise 1: Self-Exam under §§ 6.3a) and 6.19b)



Forms of Notice PLAN - WRC07 FSS Plan 6/4 AND 13/10-11 GHz Band (Appendix 30B)

Notice | Beam | Strapping | Attachments | Coordination

Notice Id: 122559099 Plan: WRC07 FSS Plan 6/4 AND 13/10-11 GHz Band (Appendix 30B) Status: 01

Date of Receipt: DD.MM.YYYY: 04.10.2022 Administration Serial Number:

A1f1. Notifying Administration: SUI A1f3. Intergovernmental Satellite:

Provision code: A30B#6.1A

Notice Submitted under

- ☐ A30B#6.17 Include Assignments in the List
- ☒ A30B#6.1A New Additional System
- ☐ A30B#6.1C Conversion of Allotment
- ☐ A30B#6.1M Modify List assignments
- ☐ A30B#6.1T Transfer of 7.2 submission to 6.1
- ☐ A30B#6.25 Notice Resubmitted under 6.25
- ☐ A30B#6.33B Reinstate Allotment
- ☐ A30B#6.33C Reinstated Allotment
- ☐ A30B#6.35L Transfer to Allotment
- ☐ A30B#6.35P Transfer to Allotment (WRC)
- ☐ A30B#7.2 Allotment for New Adm
- ☐ RES170#6.17 Include Assignment in the List Res170
- ☐ RES170#6.1A New additional system Res170
- ☐ RES170#6.1C Conversion of Allotment Res170
- ☐ RES170#6.25 Notice resubmitted Res170

A4a1. Nominal Orbital Longitude: 52.5° W A1a. Identity of the Satellite Network: ITUSAT-30B

A4a2. Longitudinal tolerance: b. West 0.1° a. East 0.1° A4a2c. Inclination Excursion: 0.05°

List of Available Beams

- ☐ Beam RATC
- ☐ Beam RATK
- ☐ Beam EATC
- ☒ Beam EATK

Forms of Notice PLAN - WRC07 FSS Plan 6/4 AND 13/10-11 GHz Band (Appendix 30B)

Attachments | Coordination | Notice | Beam | Group | Emissions/Frequencies | Serv Area/Typical Antenna

Notice Id: 122559099 Satellite Network: ITUSAT-30B Beam: EATK E Group Id: 34

C8 Power Characteristics of the transmission

C7a. Designation of Emission	b2. Maximum Power Density	h. Maximum Power Density over Bdwth
250M	-47.10	-47.10

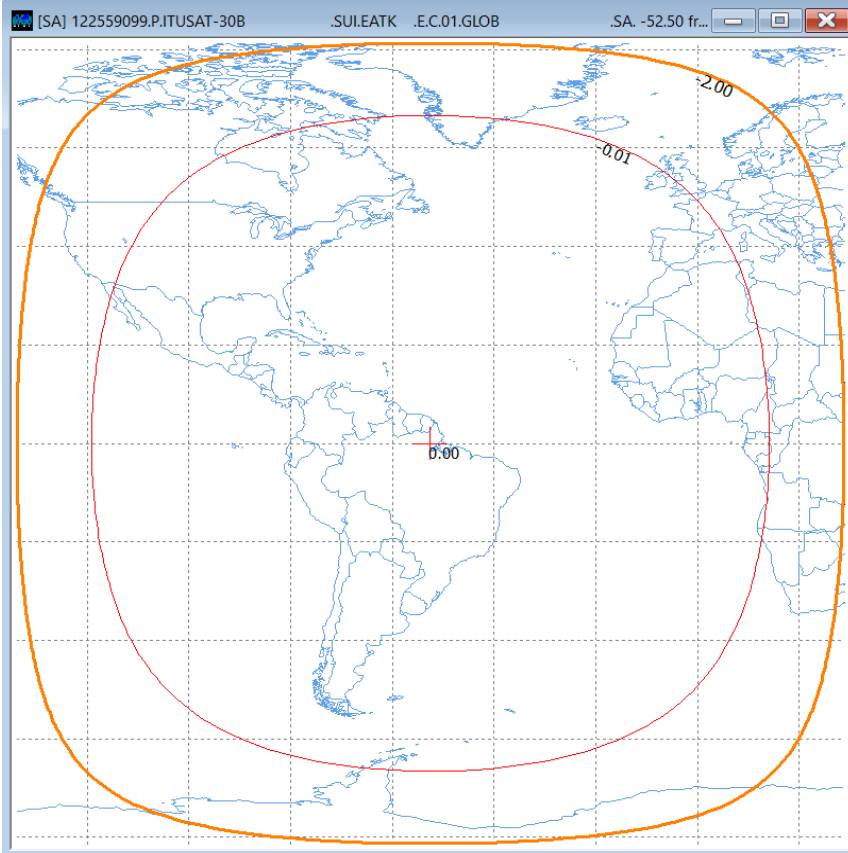
**For Grp(s) 34 – 36:
C.8.b / h = -51.60 instead of -47.70**

C2a1. Assigned Frequencies

Frequency in MHz
10825.00
11325.00

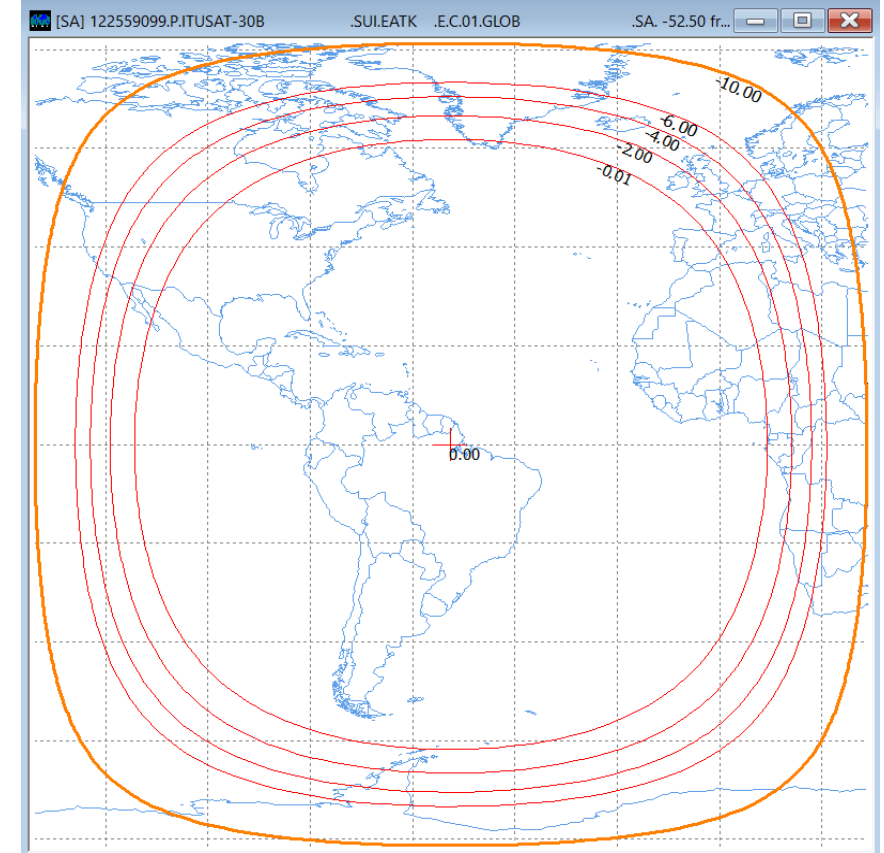
☐ Implementation of Rules of procedure concerning Annex 3 and Annex 4 of Appendix 30B for narrow-band carries

Option 1: Correction of AP4 data or ...



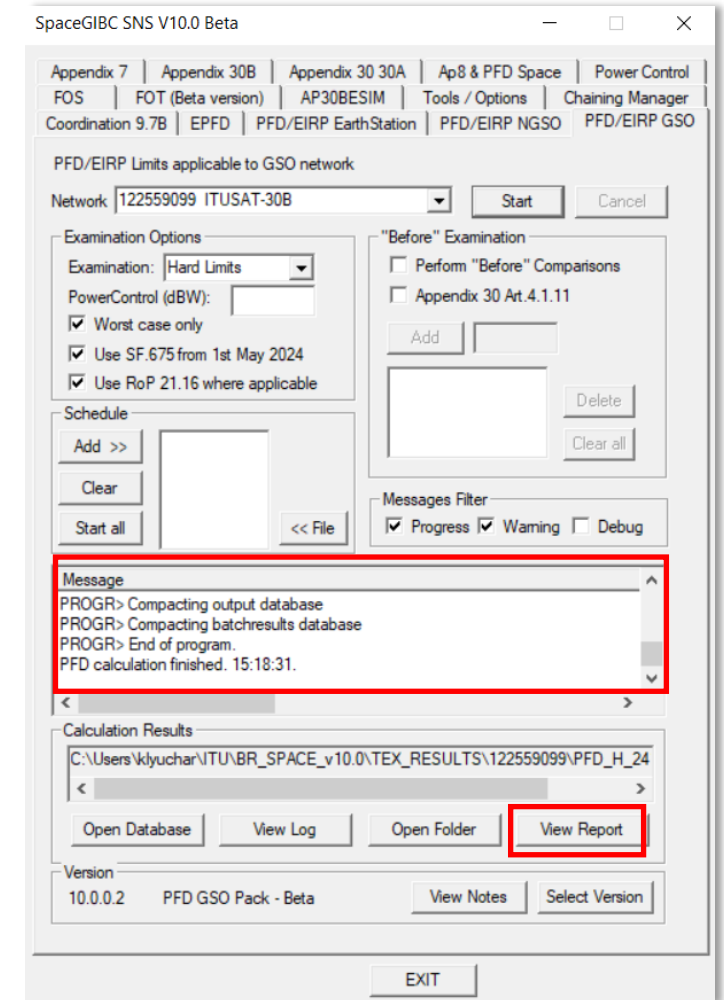
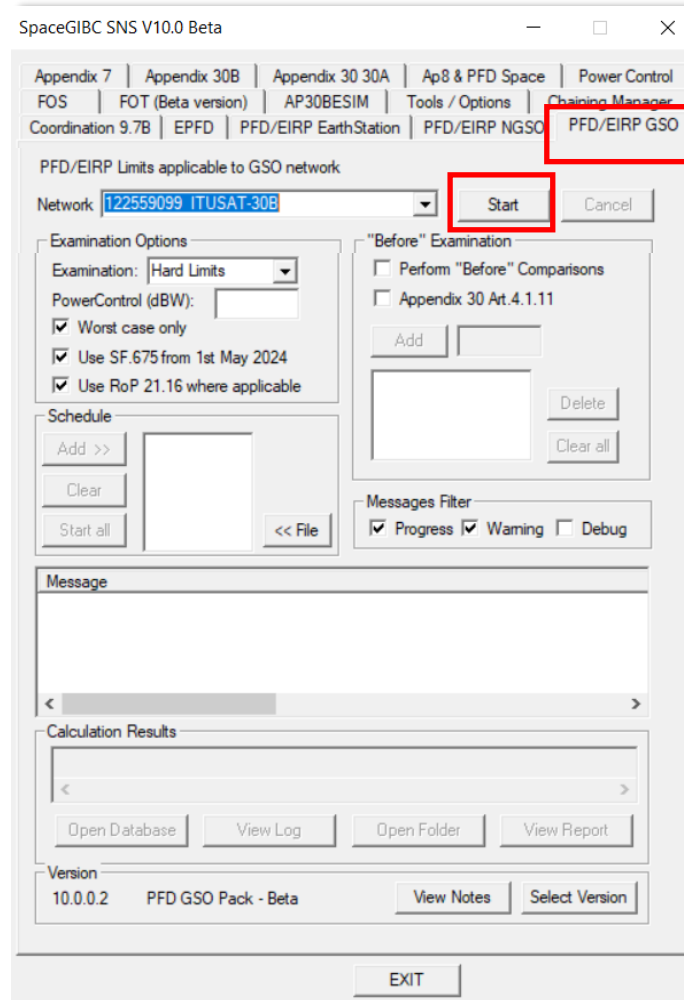
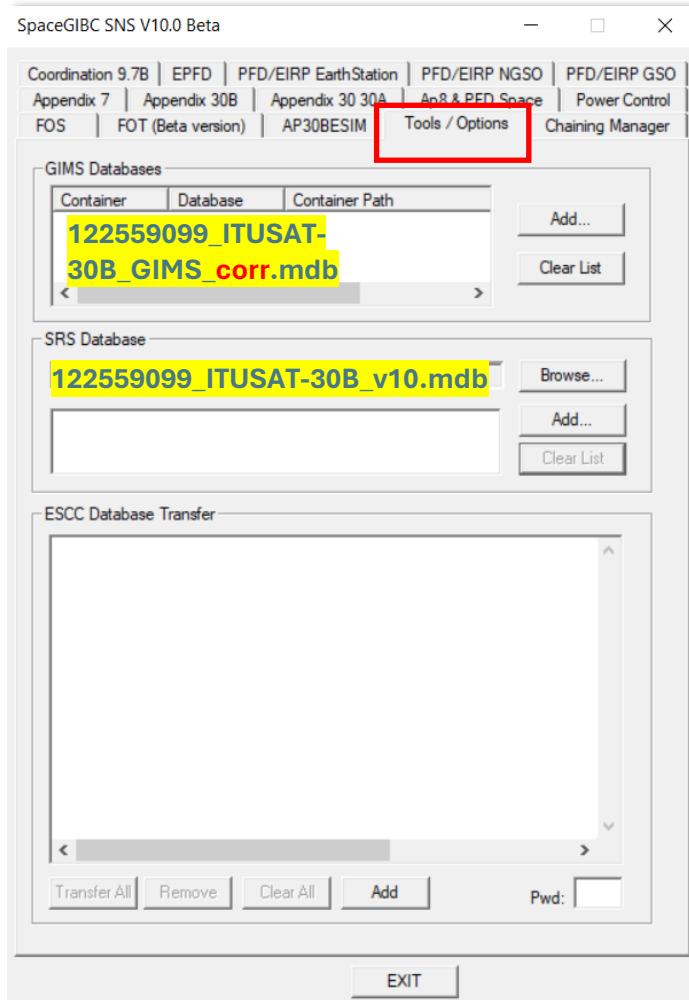
Add gain contours in EATK Beam

Elevation:
15° - for -2 dBi contour;
11° - for -4 dBi contour;
8° - for -6 dBi contour;
0° - for -10 dBi contour



... *Option 2: Correction of GIMS data*

Exercise 1: Self-Exam under §§ 6.3a) and 6.19b)



Exercise 1: Self-Exam under §§ 6.3a) and 6.19b)

EARTH STATION E.I.R.P VALUES WILL BE CHECKED AGAINST ARTICLE 21 LIMITS

EIRP EXAMINATION	P	122559099	SUI	ITUSAT-30B	-52.50 DEG 0.10 0.10	04.10.2022
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NO UNFAVORABLE FINDING FOUND IN EIRP EXAMINATION.

PLEASE CONTINUE CHECKING THE REPORT IN THE NEXT PAGE ...

ESIM POWER COMPLIANCE WILL BE CHECKED WHERE APPLICABLE

ESIM EXAMINATION	P	122559099	SUI	ITUSAT-30B	-52.50 DEG 0.10 0.10	04.10.2022
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NO UNFAVORABLE FINDING FOUND IN ESIM EXAMINATION.

PLEASE CONTINUE CHECKING THE REPORT IN THE NEXT PAGE ...

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

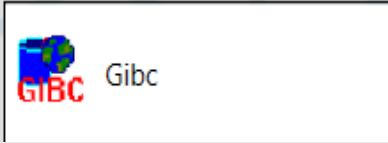
PFD EXAMINATION WITH ROP21.16	P	122559099	SUI	ITUSAT-30B	-52.50 DEG 0.10 0.10	04.10.2022
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NO UNFAVORABLE FINDING FOUND IN PFD EXAMINATION.

Congratulation! Your network complies with “Hard” Limits under §§ 6.3a) and 6.19b) (“other provisions” of RR)

... but please do NOT forget to check compliance with “Hard” Limits under §§ 6.3b) and 6.19c) (Annex 3 to Appendix 30B)

Compliance with “Hard” Limits

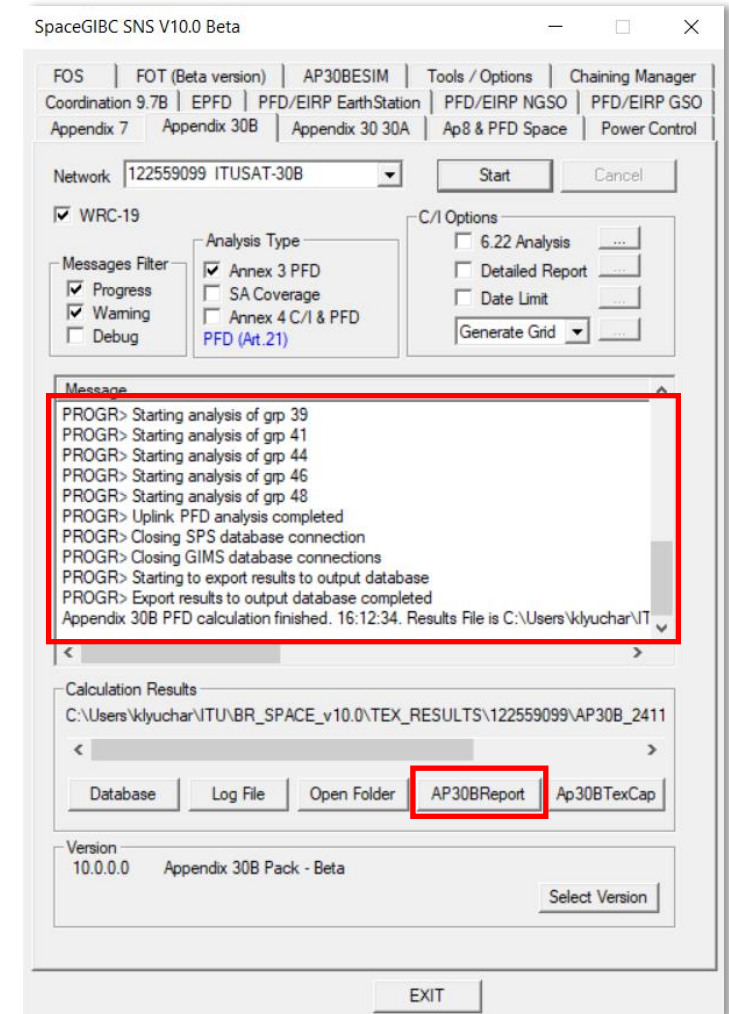
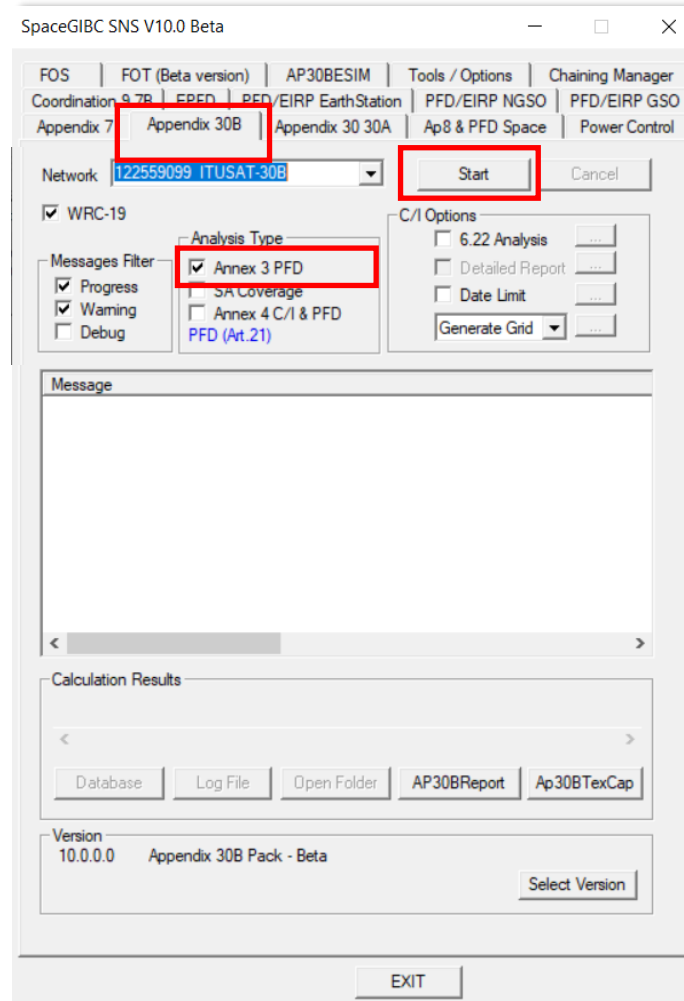
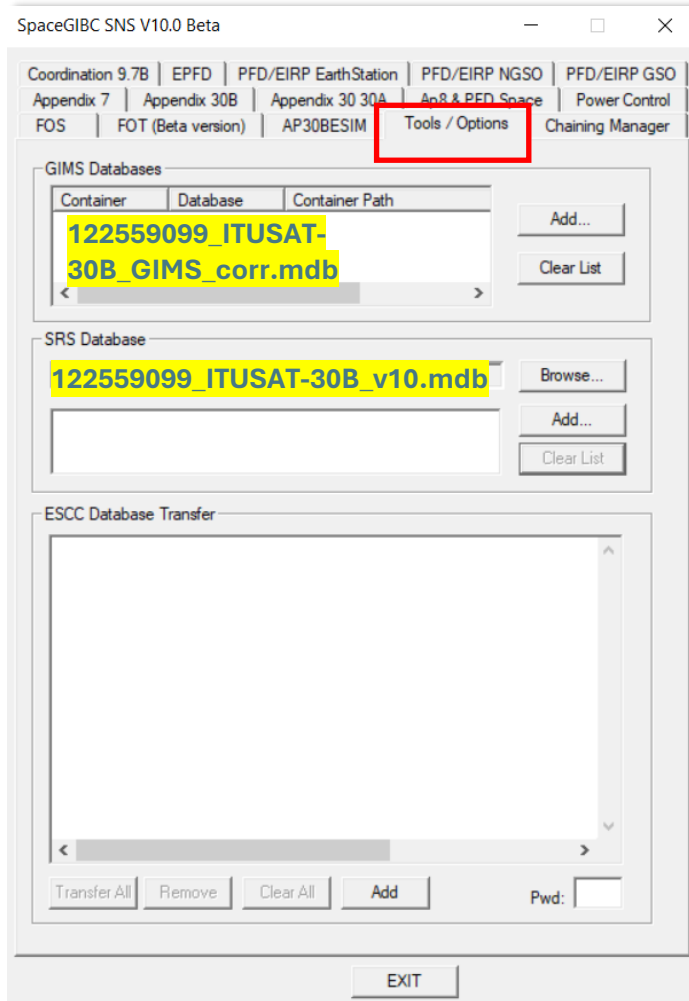
Input Database(s)	BR software	Output Database(s)
Exercise 2: Self-Exam under §§ 6.3b) and 6.19c) - Annex 3 to Appendix 30B (protection beyond coord. arc)		
122559099_ITUSAT-30B.mdb 122559099_ITUSAT-30B_GIMS_corr.mdb	 “Appendix 30B”	AP30B_RESULTS.mdb

Workshop...

Annex 3 to Appendix 30B

Frequency band	Coord arc	Pfd limits [dBW/(m ² *MHz)]
6725 - 7025 MHz	7°	-140
12.75 - 13.25 GHz	6°	-133
4500 - 4800 MHz	7°	-131.4
10.70-10.95 / 11.20-11.45 GHz	6°	-118.4

Exercise 2: Self-Exam under §§ 6.3b) and 6.19c)



Exercise 2: Self-Exam under §§ 6.3b) and 6.19c)



AP30BReport

File Edit Query Help

Output database path: C:\Users\klyuchar\ITU\BR_SPAK

Reload selected database

Main Annex 3 - PFD

Analyzed Network

Notice ID: 122559099

Administration: SUI

Satellite Name: ITUSAT-30B

Satellite Position: -52.5

Provision: A30B#6.1A

AP30BReport

File Edit Query Help

Output database path: C:\Users\klyuchar\ITU\BR_SPACE_v10.0\TEX_RESULTS\122559099\AP30B_241

Reload selected database

Main Annex 3 - PFD

Analysis Parameters

Input database path: C:\TEMP\WRS-24\Exercise_3_AP30B_Art.21_22\122559099_ITUSAT-30B_v10.mdt

Analysis started on: 25.11.2024 04:12 PM

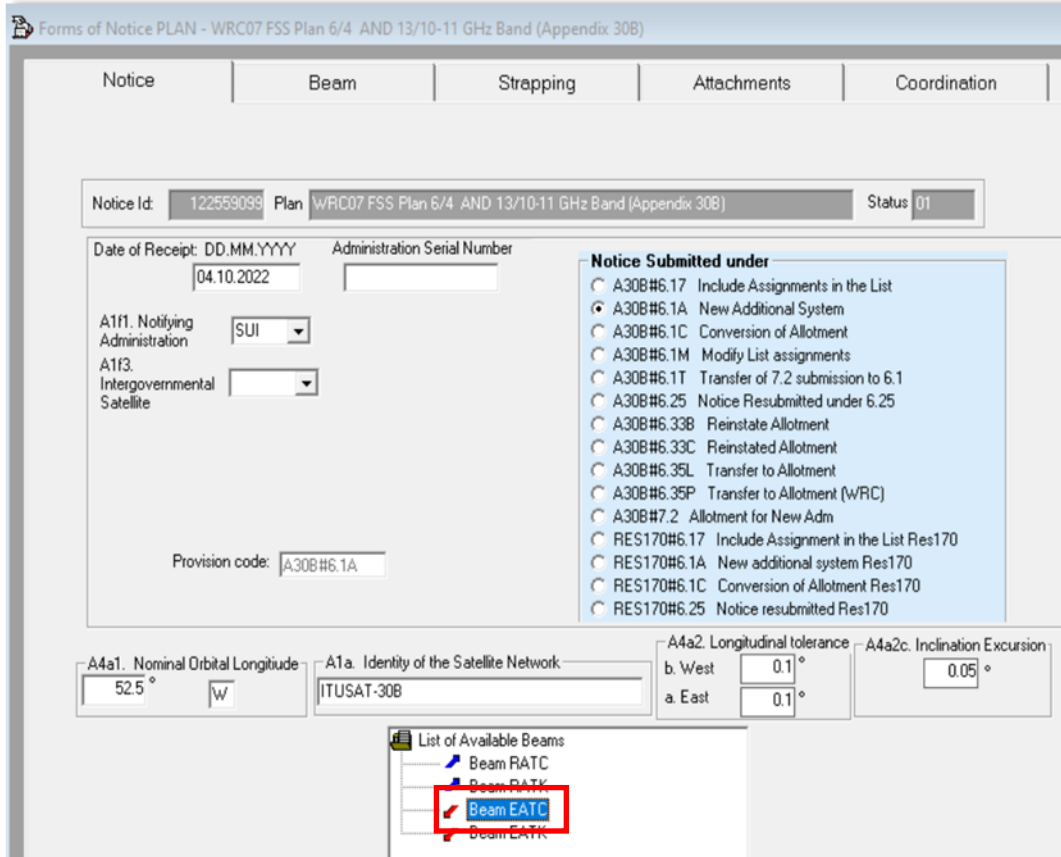
Query Options

Query Results

Run Query

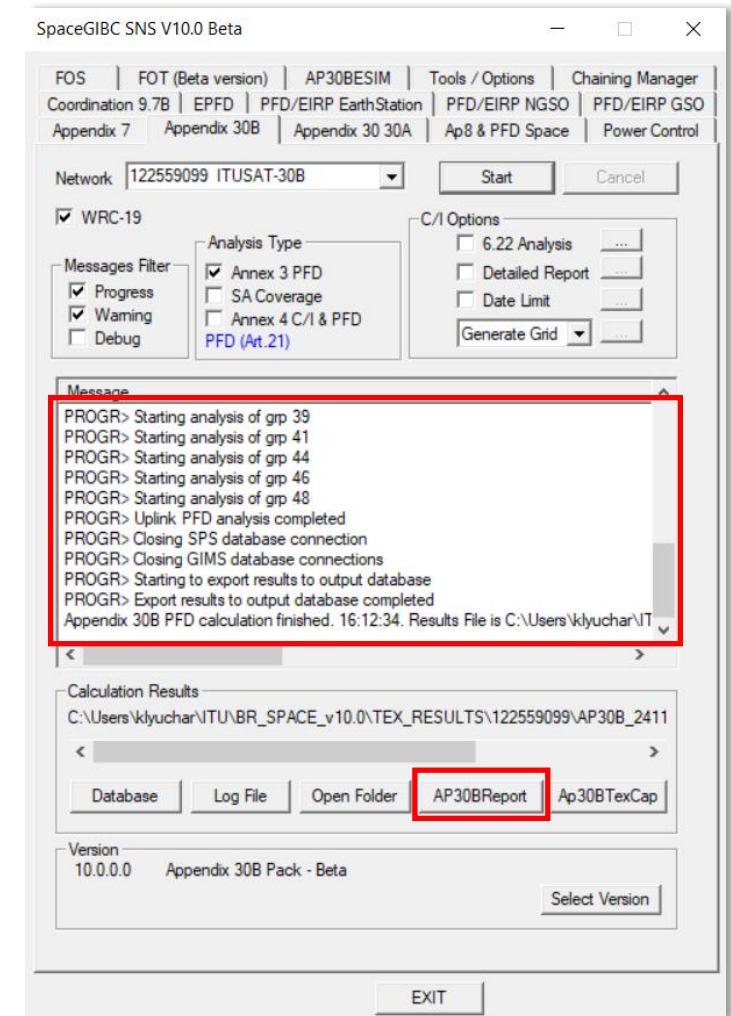
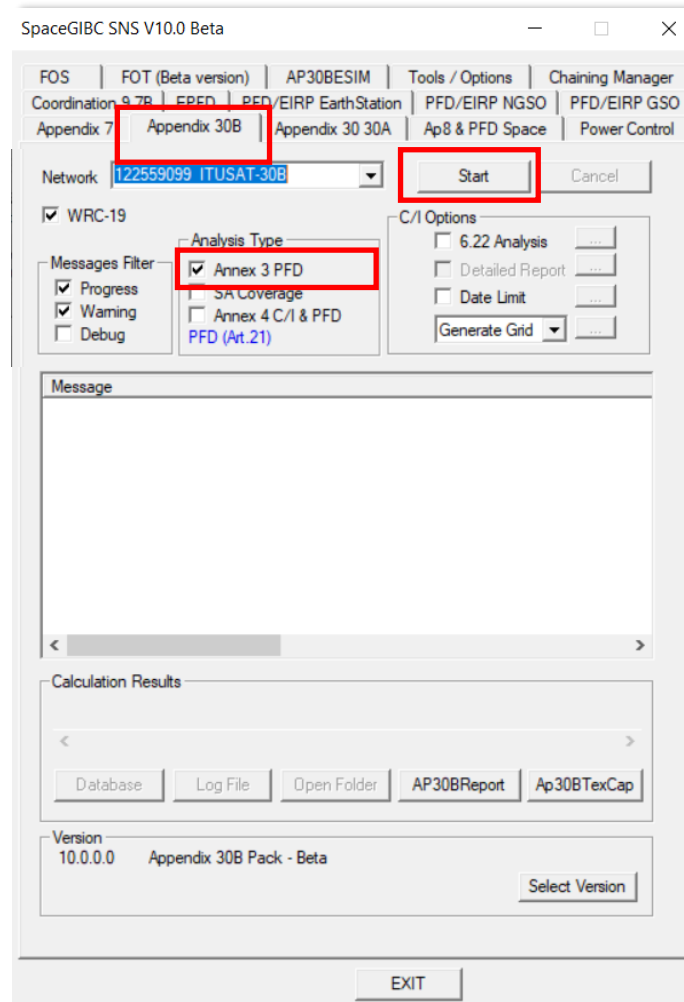
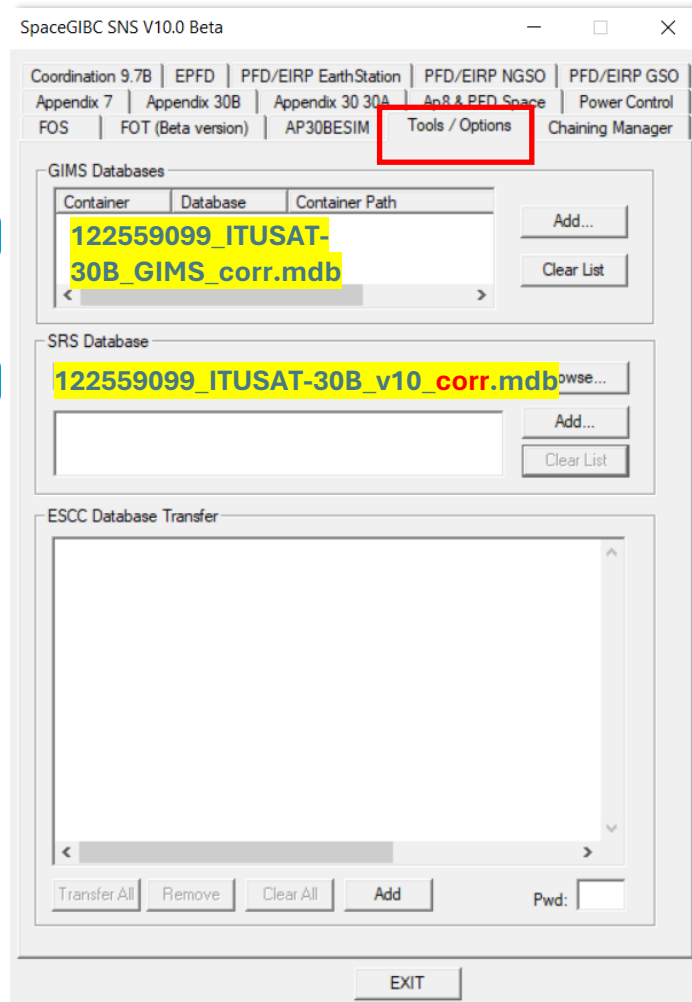
Beam Name	E/R	Frequency Band	Group ID	Finding	PFD Excess	PFD Limit	Worst GSO Pos.
EATC	E	4	28	N-	0.333	-131.4	
EATC	E	4	29	N-	0.333	-131.4	
EATC	E	4	30	N-	0.333	-131.4	
EATK	E	10-11	34	A-	-0.167	-118.4	
EATK	E	10-11	35	A-	-0.167	-118.4	
EATK	E	10-11	36	A-	-0.167	-118.4	
RATC	R	6	38	A-	-1.397	-140	-59.51
RATC	R	6	38	A-	-1.313	-140	-45.49
RATC	R	6	39	A-	-1.05	-140	-59.51
RATC	R	6	39	A-	-0.966	-140	-45.49
RATC	R	6	41	A-	-1.1	-140	-59.51
RATC	R	6	41	A-	-1.016	-140	-45.49
RATK	R	12-13	44	A-	-1.034	-133	-58.51
RATK	R	12-13	44	A-	-0.953	-133	-46.49
RATK	R	12-13	46	A-	-1.034	-133	-58.51
RATK	R	12-13	46	A-	-0.953	-133	-46.49
RATK	R	12-13	48	A-	-1.084	-133	-58.51
RATK	R	12-13	48	A-	-1.003	-133	-46.49

Analyze of the Report...



Correction of AP4 data ...

Exercise 2: Self-Exam under §§ 6.3b) and 6.19c)



Exercise 2: Self-Exam under §§ 6.3b) and 6.19c)



AP30BReport

File Edit Query Help

Output database path: C:\Users\klyuchar\ITU\BR_SPACE

Reload selected database

Main **Annex 3 - PFD**

Analyzed Network

Notice ID: 122559099

Administration: SUI

Satellite Name: ITUSAT-30B

Satellite Position: -52.5

Provision: A30B#6.1A

AP30BReport

File Edit Query Help

Output database path: C:\Users\klyuchar\ITU\BR_SPACE_v10.0\TEX_RESULTS\122559099\AP30B_24112

Reload selected database

Main **Annex 3 - PFD**

Analysis Parameters

Input database path: C:\TEMP\WRS-24\Exercise_3_AP30B_Art.21_22\122559099_ITUSAT-30B_v10.mdb

Analysis started on: 25.11.2024 04:12 PM

Query Options

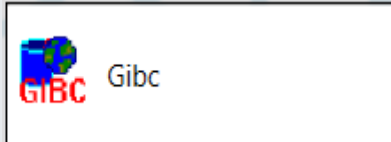
Query Results

Run Query

Beam Name	E/R	Frequency Band	Group ID	Finding	PFD Excess	PFD Limit	Worst GSO Pos.
EATC	E	4	28	A-	-0.267	-131.4	
EATC	E	4	29	A-	-0.267	-131.4	
EATC	E	4	30	A-	-0.267	-131.4	
EATK	E	10-11	34	A-	-4.667	-118.4	
EATK	E	10-11	35	A-	-0.167	-118.4	
EATK	E	10-11	36	A-	-0.167	-118.4	
RATC	R	6	38	A-	-1.397	-140	-59.51
RATC	R	6	38	A-	-1.313	-140	-45.49
RATC	R	6	39	A-	-1.05	-140	-59.51
RATC	R	6	39	A-	-0.966	-140	-45.49
RATC	R	6	41	A-	-1.1	-140	-59.51
RATC	R	6	41	A-	-1.016	-140	-45.49
RATK	R	12-13	44	A-	-1.034	-133	-58.51
RATK	R	12-13	44	A-	-0.953	-133	-46.49
RATK	R	12-13	46	A-	-1.034	-133	-58.51
RATK	R	12-13	46	A-	-0.953	-133	-46.49
RATK	R	12-13	48	A-	-1.084	-133	-58.51
RATK	R	12-13	48	A-	-1.003	-133	-46.49

Bravo! Now your network complies with “Hard” Limits under §§ 6.3b) and 6.19c) (Annex 3 to Appendix 30B) as well!

Agreements of ADMs (service area)

Input Database(s)	BR software	Output Database(s)
Exercise 3: Self-Exam under §§ 6.6 and 6.19a) - agreement of ADMs to be included in the service area		
122559099_ITUSAT-30B_A6B.mdb 122559099_ITUSAT-30B_A6B_GIMS.mdb	 “Appendix 30B”	AP30B_RESULTS.mdb

Workshop...

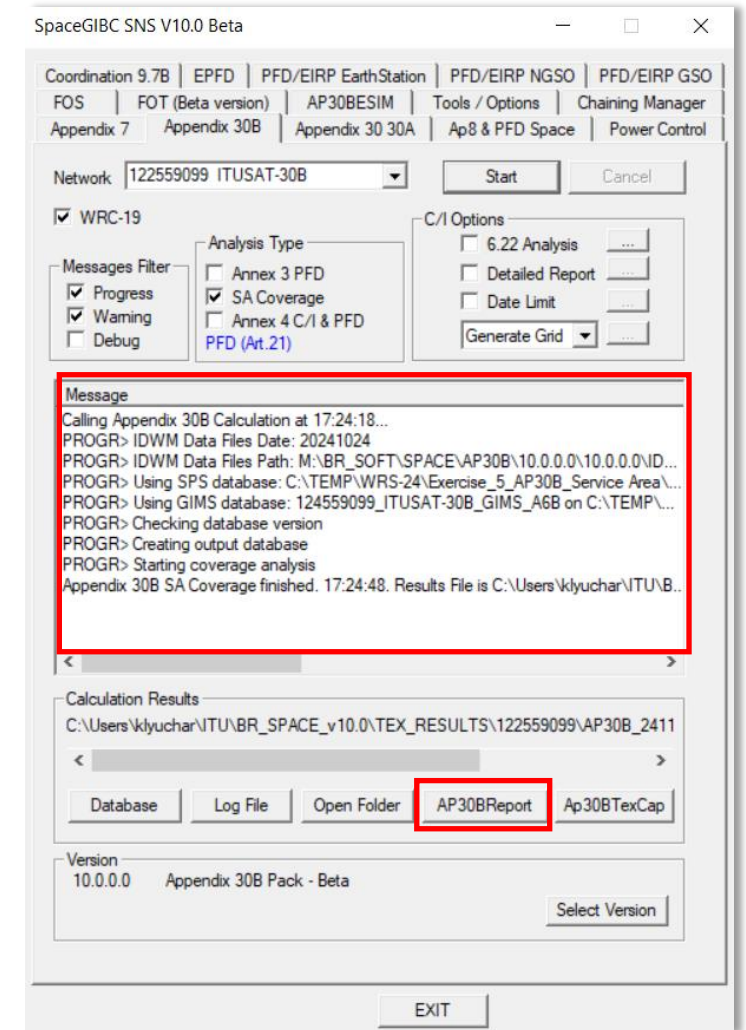
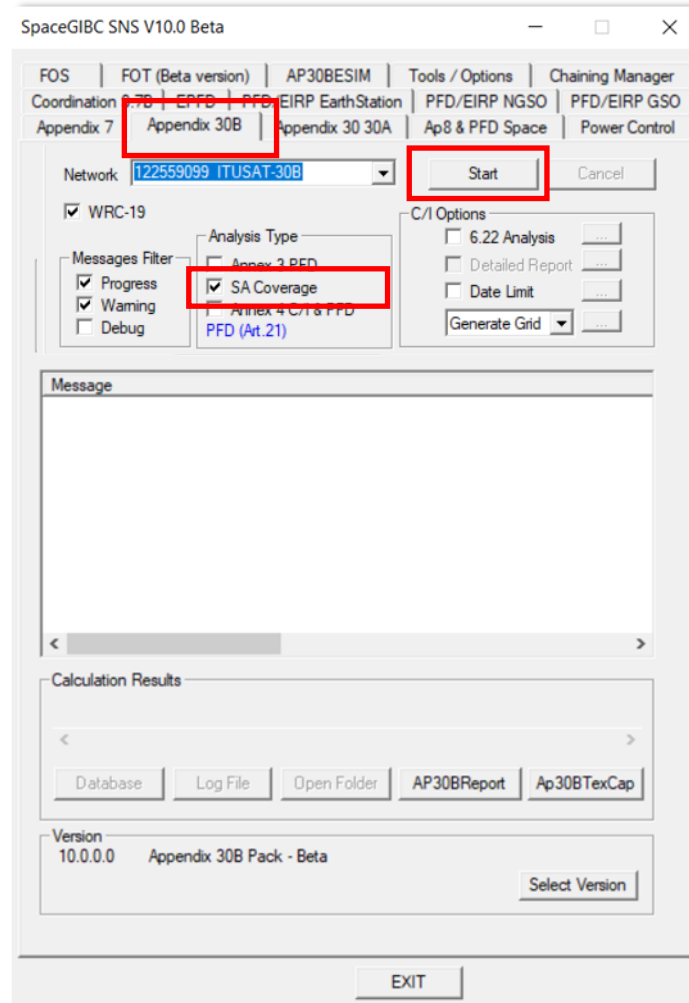
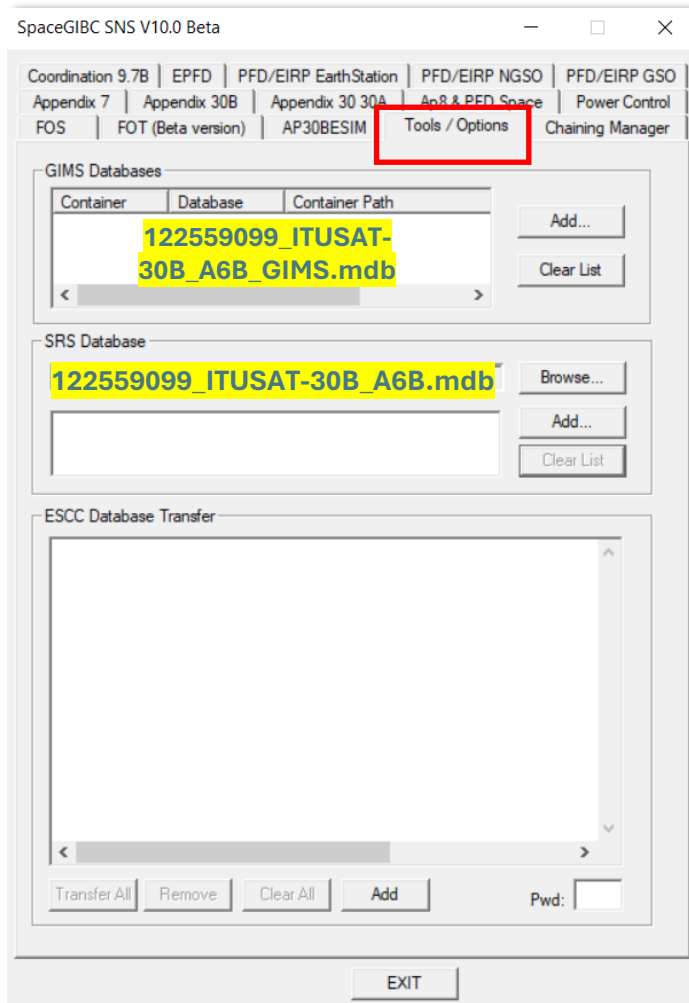
6.6 The Bureau shall then identify those administrations whose territories have been included in the service area of the assignment under examination. The notifying administration shall seek the agreement of any administration whose territory is partially or wholly included in the intended service area of the assignment.

6.19 ... the Bureau shall examine each assignment in the notice:

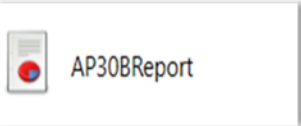
a) with respect to the requirement for the notifying administration to seek the agreement of those administrations whose territories are included in the service area;

Agreements received from: **ARG, BOL, CHL, CLM, PRG and PRU**

Exercise 3: Self-Exam under §§ 6.6 and 6.19a)



Exercise 3: Self-Exam under §§ 6.6 and 6.19a)



AP30BReport

File Edit Query Help

Output database path: C:\Users\klyuchar\ITU\BR_SPACE

Reload selected database

Main Service Area Coverage

Analyzed Network

Notice ID: 122559099

Administration: SUI

Satellite Name: ITUSAT-30B

Satellite Position: -52.5

Provision: A30B#6.17

... but agreements there are only from:
ARG, BOL, CHL, CLM, PRG and PRU

AP30BReport

File Edit Query Help

Output database path: C:\Users\klyuchar\ITU\BR_SPACE_v10.0\TEX_RESULTS\122559099\AP30B_241125_172416\AP30B_RESULTS.MDB

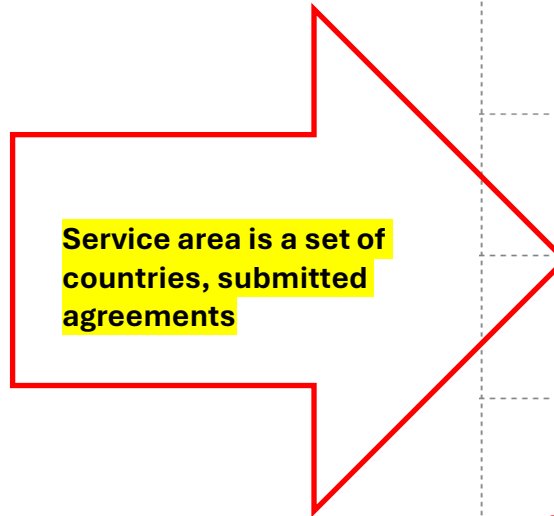
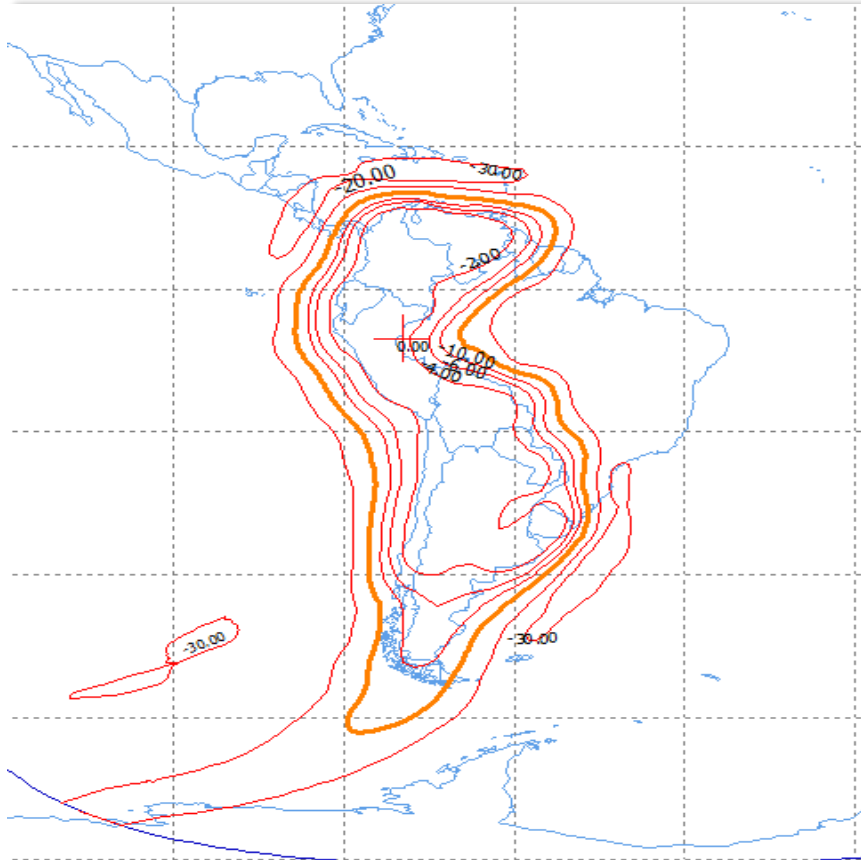
Reload selected database

Main Service Area Coverage

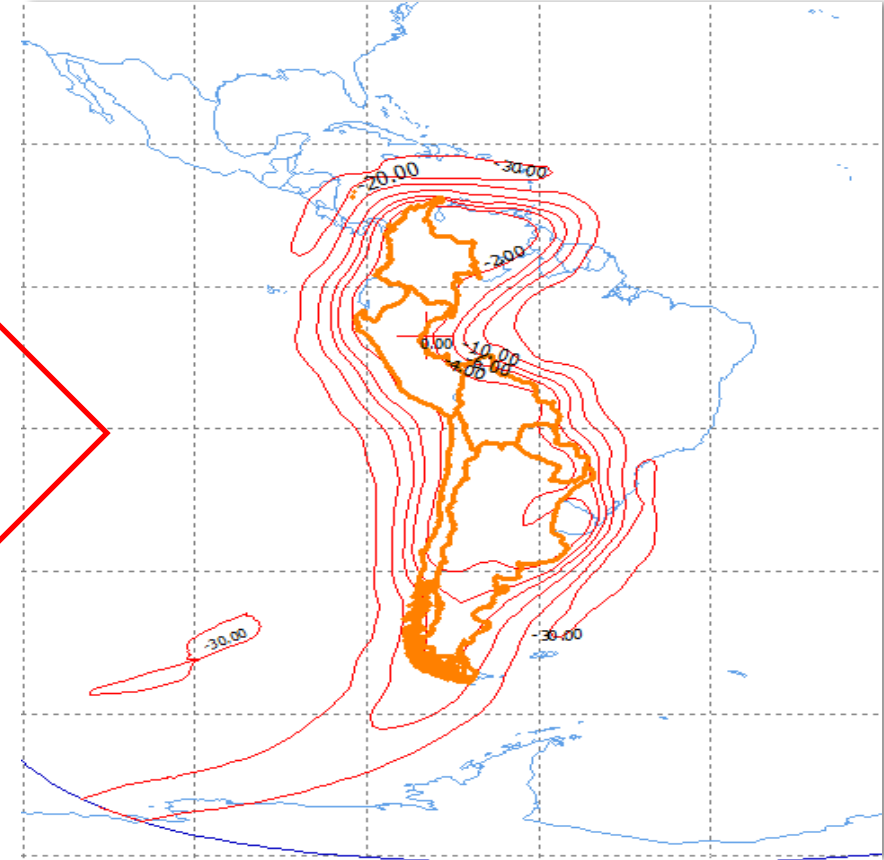
Query Results

Run Query Found 2 results

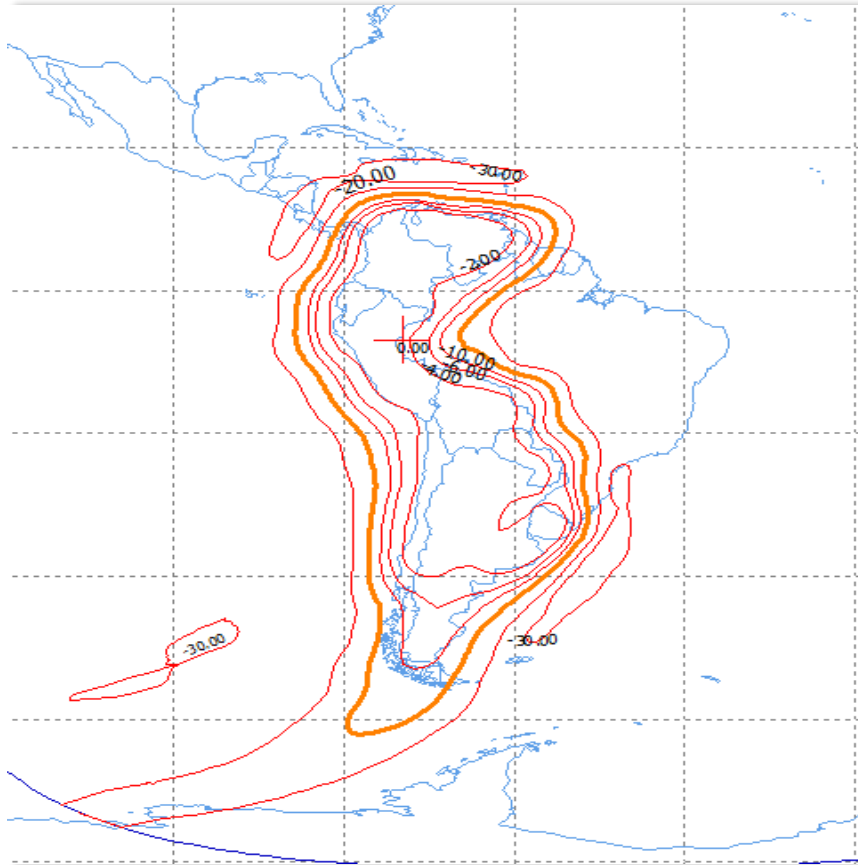
Beam Name	E/R	SA Number	Notifying administration/Geographical area
EATK	E	1	HOL/ABW ; ARG ; B ; HOL/BES ; BOL ; CHL ; CLM ; HOL/CUW ; EQA ; GRD ; GUY ; PNR ; PRG ; PRU ; SUR ; TRD ; URG ; VEN
RATK	R	1	HOL/ABW ; ARG ; B ; HOL/BES ; BOL ; CHL ; CLM ; HOL/CUW ; EQA ; GRD ; GUY ; PNR ; PRG ; PRU ; SUR ; TRD ; URG ; VEN



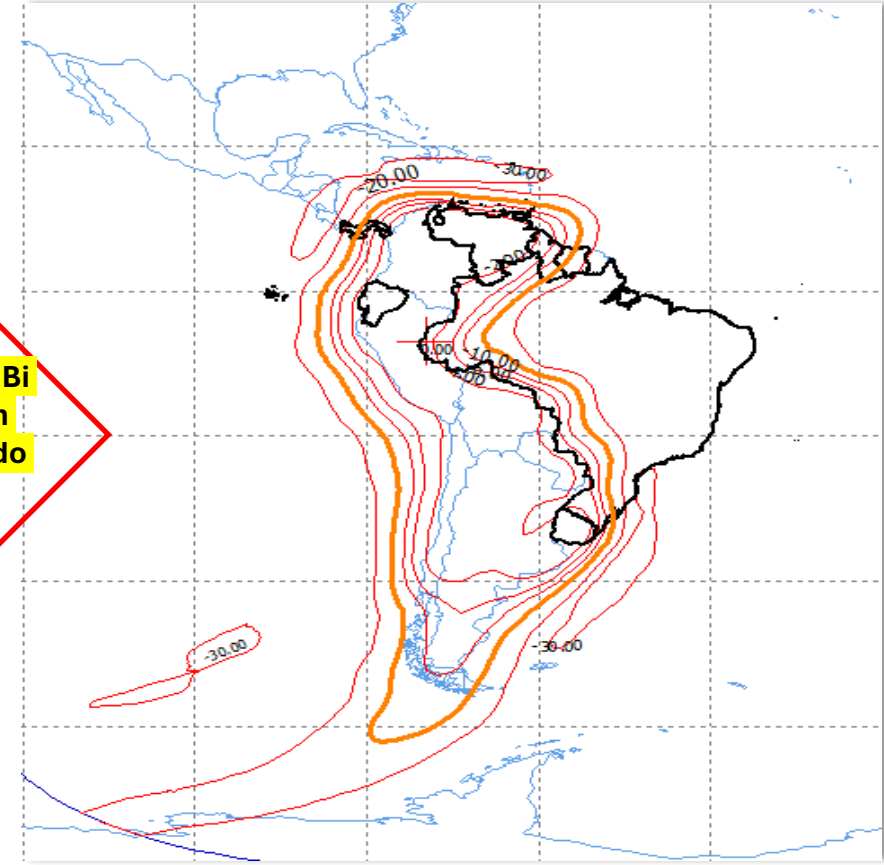
Service area is a set of
countries, submitted
agreements



Correction GIMS data (Option 1)

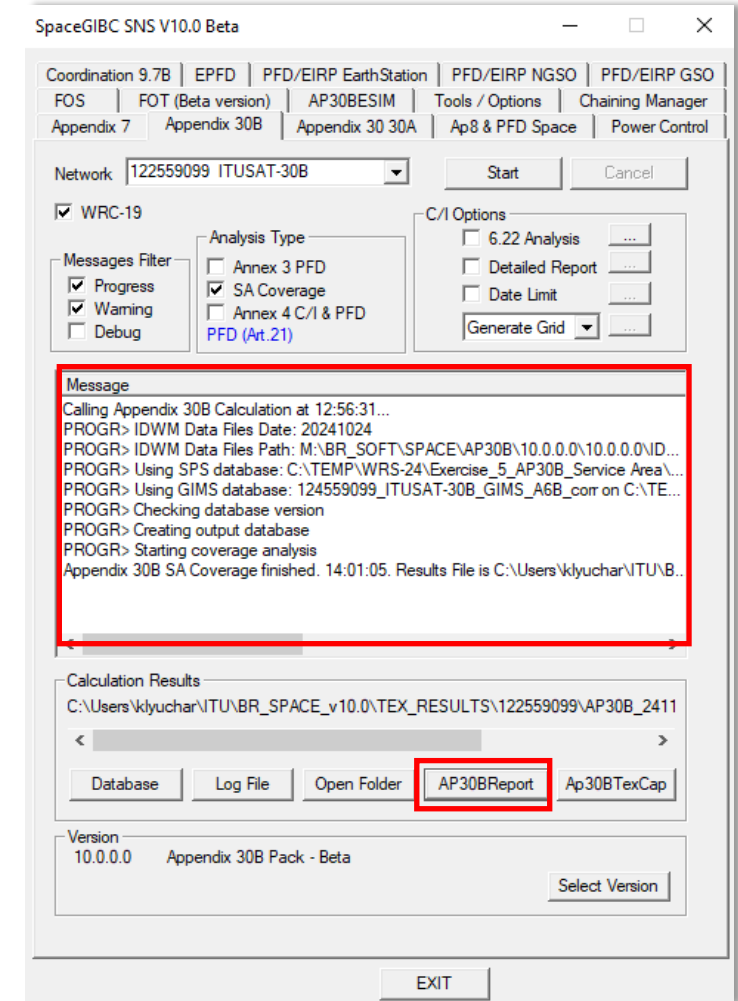
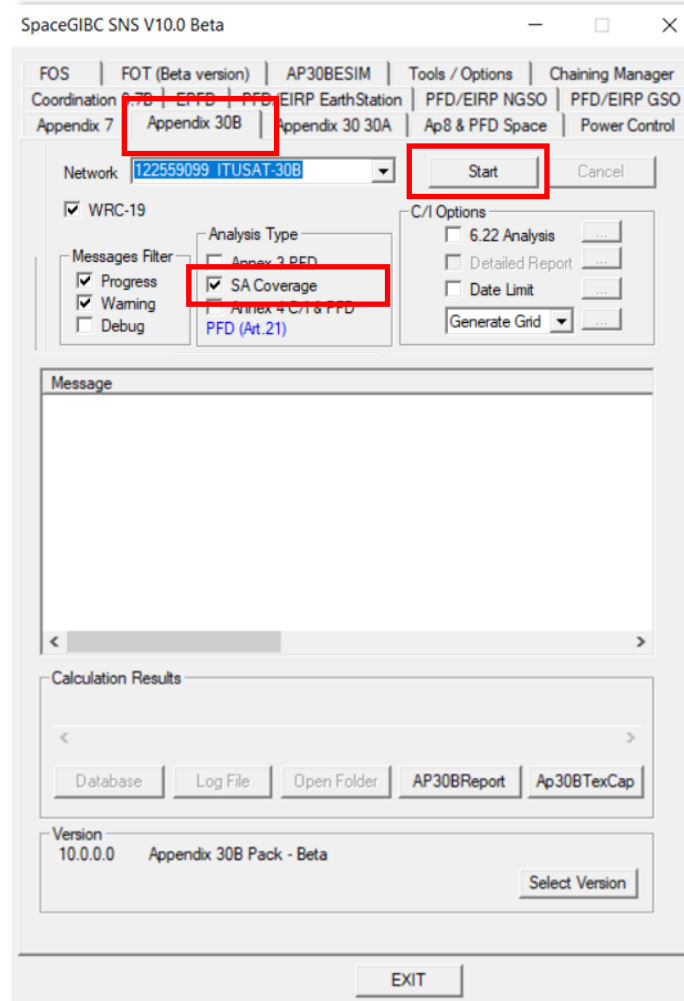
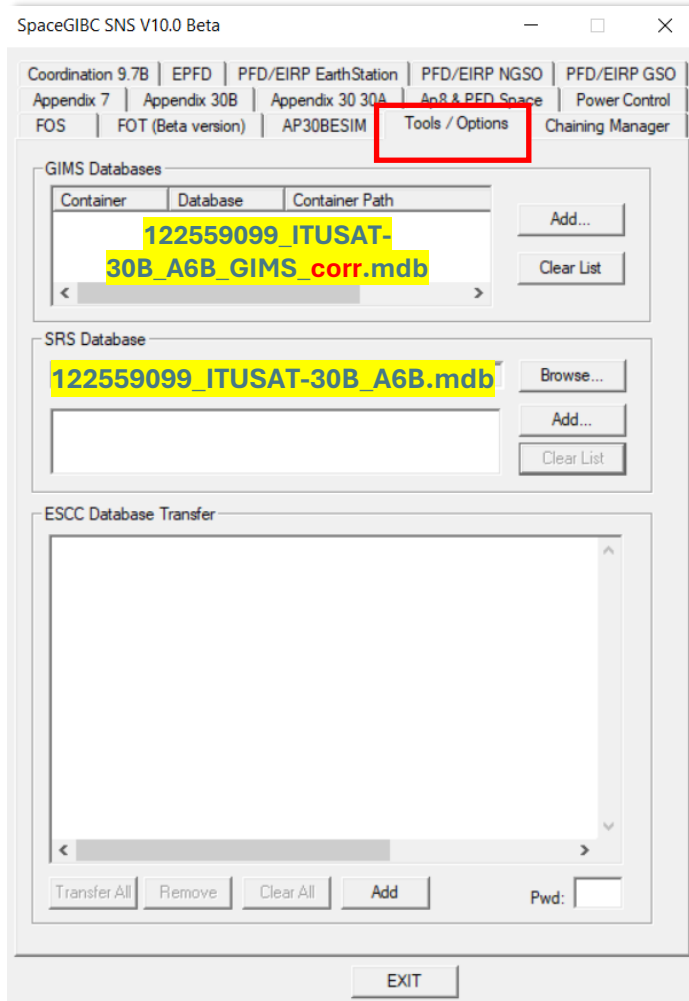


Service area is based on -10 dBi antenna gain contour but with excluding a set of countries, do NOT submitted agreements

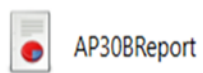


Correction GIMS data (Option 2)

Exercise 3: Self-Exam under §§ 6.6 and 6.19a)



Exercise 3: Self-Exam under §§ 6.6 and 6.19a)



AP30BReport

File Edit Query Help

Output database path: C:\Users\klyuchar\ITU\BR_SPACE

Reload selected database

Main **Service Area Coverage**

Analyzed Network

Notice ID: 122559099

Administration: SUI

Satellite Name: ITUSAT-30B

Satellite Position: -52.5

Provision: A30B#6.17

Please do not forget to include these agreements in AP4 data =>

Notice Id: 122559099 Adm: SUI Satellite Network: ITUSAT-30B

A6. Agreements Reached							
	Provision	Adm/Org	Adm/Org	Adm/Org	Adm/Org	Adm/Org	Adm/Org
▶	30B#6.6	ARG	BOL	CHL	CLM	PRG	PRU

AP30BReport

File Edit Query Help

Output database path: C:\Users\klyuchar\ITU\BR_SPACE_v10.0\TEX_RESULTS\122559099\AP30B_241126_125547\AP30B_RESULTS.MDB

Reload selected database

Main **Service Area Coverage**

Query Results

Run Query Found 2 results

Beam Name	E/R	SA Number	Notifying administration/Geographical area
EATK	E	1	ARG ; BOL ; CHL ; CLM ; PRG ; PRU
RATK	R	1	ARG ; BOL ; CHL ; CLM ; PRG ; PRU

FSS PLAN (Appendix 30B)

(Technical pre-examination (Annex 3 + Article 21/22 hard limits))



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WORKSHOP