3rd and final frequency coordination meeting on the GE84 Plan Optimization for Africa

3ème et dernière réunion de coordination des fréquences sur l'optimisation du Plan GE84 pour l'Afrique

24 – 28 January 2022

AFRICAN TELECOMMUNICATIONS UNION
UNION AFRICAINE DES TÉLÉCOMMUNICATIONS

eTools new features

Broadcasting Services Division
ITU Radiocommunication Bureau

Content

1. **GE84 Optimization**

   ❑ Export features (Affected / Interferers, Assignables/Non Assignables, KML)
   ❑ ADD / MODIFY Switches
   ❑ Option to select P1812 propagation model

2. **GE84 Compatibility Analysis**

   ❑ Export in SGML format
   ❑ Filter by affected administration
   ❑ Option to select P1812 propagation model

3. **eValidation (New interface)**

GE84 Optimization > Export features > Assignables / Non Assignables

https://www.itu.int/ITU-R/eTerrestrial/ECalculations

Evaluate Statistics

Submitted	Assignable		Non Assignable	
336	274	☒ ☒	62	☒ ☒

	A	B	C	D	E	F	G
1	adm	adm_ref_id	terrakey	site_name	stn_id	Number of Assignable Frequencies	Assignable Frequencies
2	ETH	BR_ABOBO_1	31	ABOBO	FLEX	13	96;97.6;99.8;100;101.1;101.2;104;104.1;106;106.6;106.7;107.8;107.9
3	ETH	BR_ABUMENDE	229	ABUMENDE	FLEX	31	88.3;89.3;90.3;91.6;91.7;92.4;92.8;92.9;93;93.1;93.4;93.5;94.8;95.6;97.9;98.9;99.9;100.7;101.4;101.5;101.6;101.7;102.1;102.8;102.9;103;103.3;103.4;105.3;106.2;107.9

Assignables

	A	B	C	D	E	F
1	adm	terrakey	adm_ref_id	site_name	stn_id	freq_assgn
2	UGA	19136	UG_BR_ARUA_N1	ARUA		92.4
3	UGA	18895	BR_UG_ARUA_3	ARUA		92.7
4	UGA	19138	UG_BR_ARUA_N3	ARUA		96.6

Non Assignables

https://www.itu.int/ITU-R/eTerrestrial/ECalculations

	A	B	C	D	E	F	G	H
1	Adm(Interferer)	site_name(Interferer)	Frequency(Interferer)	stn_id(Interferer)	Assgn_id(Interferer)	intent(Interferer)	erp_dbw To Affected(Interferer)	polar(Interferer)
2	ARS	AL BAD	90.6		84034086	RECORDED	37	H
3	ARS	AL BAD	90.6		84034086	RECORDED	37	H
4	ARS	AL BAD	93.7		84034087	RECORDED	44.43	H
5	ARS	AL BAD	96.9		84034088	RECORDED	44.43	H
6	ARS	AL BAD	100.2		84034089	RECORDED	37	H
7	ARS	AL BAD	103.7		84034090	RECORDED	37	H
8	ARS	AL BAD	103.7		84034090	RECORDED	44.43	H
9	ARS	AL BIR	88.7		84034140	RECORDED	45	H
10								

	Adm(Affected)	site_name(Affected)	Frequency(Affected)	Assgn_id(Affected)	intent(Affected)	polar(Affected)
11						
12	EGY	GIFGAFA	90.6	7554	ADD	H
13	EGY	KATHERINA-SBAEIA	90.7	7485	ADD	H
14	EGY	SHARM EL SHEIKE	93.5	7443	ADD	H
15	EGY	SHARM EL SHEIKE	96.7	7444	ADD	H
16	EGY	NAKHEL	100.2	7740	ADD	H
17	EGY	KATHERINA-MOLQAH	103.8	7479	ADD	H
18	EGY	SHARM EL SHEIKE	103.5	7439	ADD	H
19	EGY	QENA	88.7	7570	ADD	H
20						
21						

	Distance(km)	azimut(deg)	NFS(dBuV/m)	Coordinated?
22				
23	280	321	56.41	---
24	99	274.9	63.65	---
25	103	225.7	59.72	---
26	103	225.7	59.72	---
27	198	322.4	64.13	---
28	103	273.6	63	---
29	103	225.7	59.72	---
30	459	230.6	57.93	---
31				

Job Output (click to hide)

Job Output

Input notice file validated by the OnlineValidation process on 5/27/2021 12:25:40 PM

☐ Ignore self interference   ☐ Ignore interference received   Acceptable NFS (dB (μV/m)) 54

Select Analysis option

Evaluate Statistics ▼

Evaluate Statistics
Export Affected
Export Interferers

Evaluate Statistics

GE84 Optimization > Export features > to KML

https://www.itu.int/ITU-R/eTerrestrial/ECalculations

GE84 Optimization > ADD / MODIFY Switches

https://www.itu.int/ITU-R/eTerrestrial/ECalculations
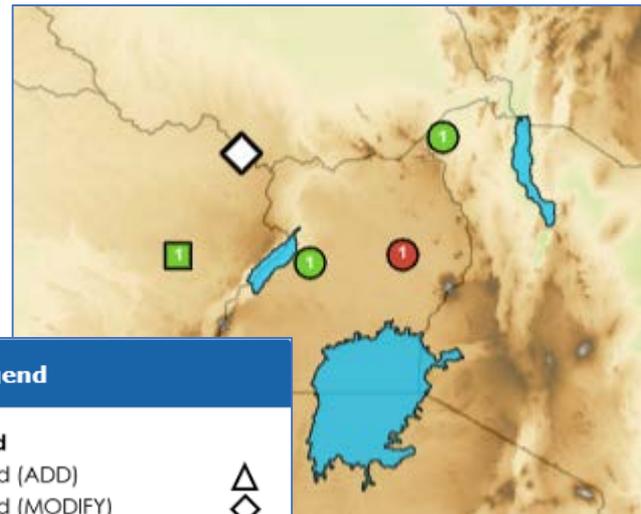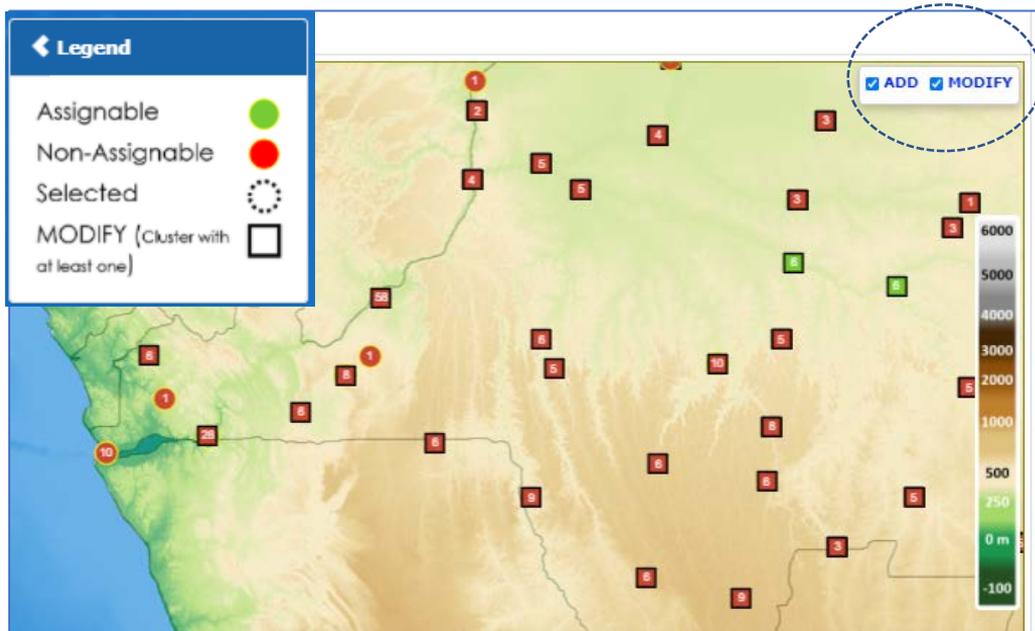
GE84 Optimization > P1812 propagation model

https://www.itu.int/ITU-R/eTerrestrial/ECalculations

Please select the calculation type

GE84 ▾   **GE84 Optimization** ▾   **Beta Release**

Back to calculation history

Please label your submission

test

Configuration Information (only results with Nuisance Field Strength (NFS) >= 30 dB (µV/m) will be displayed):

☑ Consider Tip ☑ TV also ☑ Polarization Discrimination (dB) 10 ☐ Use P.1812 propagation model

Number of files in the Drop-Box: **0**

Click to browse or drop files here (up to 20 file(s)).

Upload File (s)   Submit

No file(s) specified.

Compatibility Analysis > Export in SGML format

https://www.itu.int/ITU-R/eTerrestrial/ECalculations

Export in SGML format

Compatibility Analysis > Filter by affected administration

https://www.itu.int/ITU-R/eTerrestrial/ECalculations

Compatibility Analysis > P1812 propagation model

https://www.itu.int/ITU-R/eTerrestrial/ECalculations

Please select the calculation type

GE84 ▾   **GE84 Compatibility Analyses** ▾   *Beta Release*

Back to calculation history

Please label your submission

test

Configuration Information

☑ Top 20 only ☐ Consider Tip ☑ TV also ☑ Polarization Discrimination (dB) 10 ☑ Use P.1812 propagation model

ⓘ **When using P1812 please submit a file with at most 50 notices**

Number of files in the Drop-Box: **0**

Click to browse or drop files here (up to 1 file(s)).

Upload File (s)   Submit

No file(s) specified.

eValidation

https://www.itu.int/ITU-R/eTerrestrial/eValidation

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Thank you !
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