

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

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

24 - 28 January 2022

eTools new features

Broadcasting Services Division
ITU Radiocommunication Bureau



AFRICAN TELECOMMUNICATIONS UNION
UNION AFRICAINE DES TÉLÉCOMMUNICATIONS



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)

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

Evaluate Statistics

Submitted

336

Assignable

274

Non Assignable

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

	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

Assignables

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

	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

	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	---

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))

Select Analysis option

Evaluate Statistics

Evaluate Statistics

Export Affected

Export Interferers

GE84 Optimization > Export features > to KML

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

Evaluate Statistics

Submitted

336

Assignable

274

Non Assignable

62

Grouping method:

Co-located



Display Labels

Export

Co-located

Frequency

Site Name

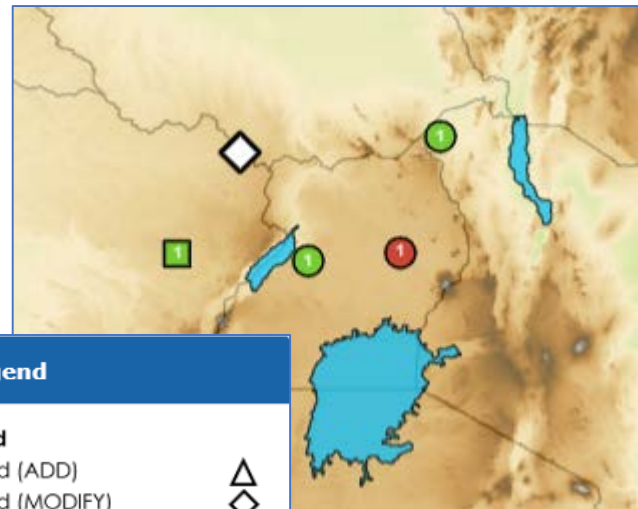
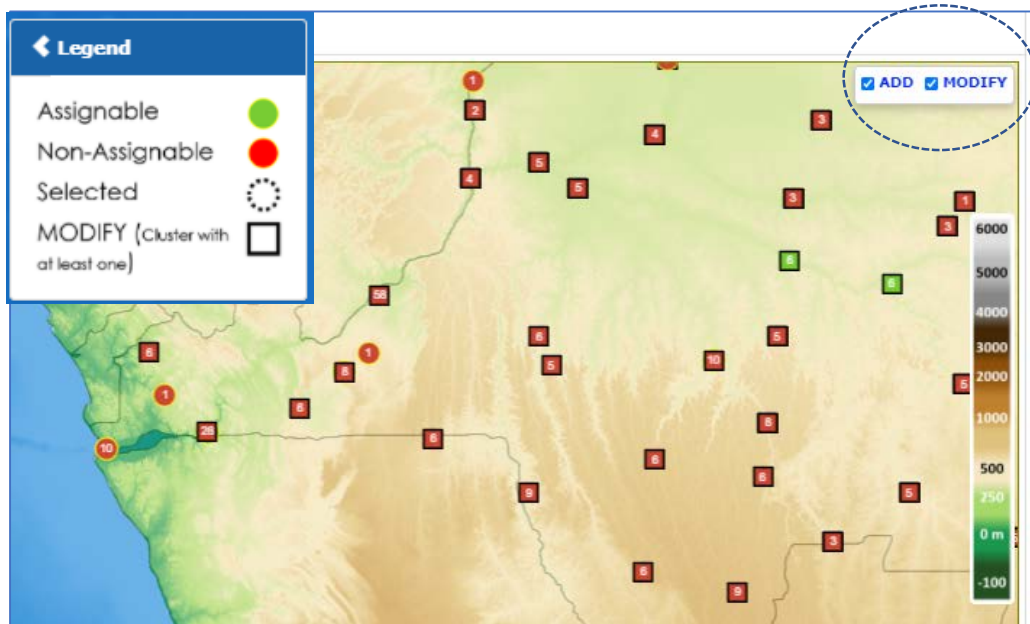
None

- RRW-128397(122 Sites)
 - 089.8 MHz (2)
 - KINANIRA | 89.8 MHz
 - NYARUPFUBIRE | 89.8 MHz
 - 090.1 MHz (2)
 - 090.2 MHz (1)
 - 090.3 MHz (1)

- RRW-128397(122 Sites)
 - BYUMBA(4)
 - BYUMBA | 96.4 MHz
 - BYUMBA | 99.7 MHz
 - BYUMBA | 103.2 MHz
 - BYUMBA | 107.5 MHz
 - BYUMBA(1)



<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 ($\mu\text{V}/\text{m}$) will be displayed):

Consider Tip TV also Polarization Discrimination (dB) 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.



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

Job Output (click to hide)

Job Output
Input notice file validated by the OnlineValidation process on 10/25/2021 9:50:10 AM

Affected administration 

Proposed Modification	Administrations with which the limits o
97.1MHz_GALLABAT_036°15'00"E-13°15'00"N-Id:4	ETH

Select the proposed modification

Export in SGML format

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

Job Output (click to hide)

Job Output

Input notice file validated by the OnlineValidation process on 10/25/2021 9:50:10 AM

Affected administration

Proposed Modification	Administrations with which the limits o
98.5MHz_Abu Jabirah_026°51'21"	
98.8MHz_At Terter_031°44'34"E-	SDN
104.5MHz_Buram_025°09'33"E-1	
97.1MHz_GALLABAT_036°15'00"	ETH
91.1MHz_Jabal Kologi_030°58'06"E-10°51'00"N-Id:7	
88MHz_Kadugli_029°42'06"E-11°01'00"N-Id:8	
98.3MHz_OUADI HALFA_031°10'00"E-22°05'00"N-Id:9	EGY SDN
94.8MHz_Talodi_030°23'20"E-10°37'04"N-Id:6	
94.2MHz_Wadi Halfa_031°22'17"E-20°47'36"N-Id:3	

A dropdown menu is open over the 'Affected administration' column, showing the following options: All, All, SDN, ETH, EGY. The 'All' option is highlighted in blue.

<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) 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.



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



eValidation: Validation of Terrestrial Frequency Assignment/Allotment Notices

Please note that GE06D notices are not fully validated yet and TB notices are not supported.

The processing system is currently **ONLINE**

User email address: **hakim.ebdelli@itu.int**

[Back to validation history](#)

Click to browse or drop files here (Only one file is accepted)

[Upload and Process](#)

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Thank you !
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