

LIST OF FM and TV STATIONS OPERATING IN RWANDA AND THEIR APPROXIMATE COVERAGE.

Section 1 summarizes the radio stations approximate coverage in percentage and section 2 shows approximation coverage on maps as of 4th January 2023.

1. Radio Stations (Categorized based on covered area)

Station Name	Number of Transmitters	Approximate covered area	Transmitting station, site and frequency
RBA (Radio Rwanda and its community radios (CR))	33	99% See image 1	Radio Rwanda, Jali, 100.7 MHz Radio Rwanda, Rebero, 104.7 MHz Radio Rwanda, Huye, 103.9 MHz Radio Rwanda, Karisimbi, 88.0 MHz Radio Rwanda, Rushaki, 90.1 MHz Radio Rwanda, Gitwe, 92.4MHz Radio Rwanda, Kinanira, 92.9MHz Radio Rwanda, Nyarupfubire, 93.5 MHz Radio Rwanda, Rubona, 94.6 MHz Radio Rwanda, Mugogo, 95.1 MHz Radio Rwanda, karongi, 97.6MHz Radio Rwanda, Nyabitimbo, 100.4 MHz Radio Rwanda, Nyamasheke, 101.1 MHz Radio Rwanda, Bwishyura 101.1 MHz Radio Rwanda, Byumba, 103.2 MHz Radio Rwanda, Gihundwe 92.9 MHz Radio Rwanda, Kiyanzi 99.3 MHz Radio Rwanda, Kabuye 92.4MHz Radio Rwanda Inteko, Jali 101.5 MHz Radio Rwanda, Mpanga 101MHz Radio Rwanda, Kagitumba 99.7MHz RBA CR Huye, Huye 100.4 MHz RBA CR Musanze, Mugogo, 98.4MHz RBA CR Nyagatare, Nyarupfubire 95.5 MHz RBA CR Nyagatare, Rushaki 102.5MHz RBA CR Rubavu, Rubona 102 MHz RBA CR Rubavu, Karongi 106.9 MHz RBA CR Rusizi, Nyabitimbo, 96.1MHz RBA CR Rusizi, Gihundwe 89.8MHz RBA CR Rusizi, Rucamatako 102.4MHz RBA Magic FM, Jali 90.7MHz RBA Magic FM, Rebero 101.3MHz RBA Magic FM, Kabuye 99.3MHz
Radio Maria	5	80% See Image 2	Radio Maria, Huye, 88.6MHz Radio Maria, Jari, 97.3 MHz Radio Maria, Gihundwe, 99.4 MHz Radio Maria, Karongi, 99.8 MHz Radio Maria, Byumba 96.4MHz
KT Radio	5	80% See Image 3	KT Radio, jali 96.7MHz KT radio, Mugogo 101.1MHz KT Radio, Karongi 103.3MHz

Station Name	Number of Transmitters	Approximate covered area	Transmitting station, site and frequency	
			KT Radio, Huye	107.9MHz
			KT Radio, Nyarupfubire	102 MHz
BBC	3	75% See Image 4	BBC, Karongi	93.3MHz
			BBC, Jali	93.9MHz
			BBC, Huye	106.1MHz
Energy radio	3	75% See Image 5	Energy Radio Mugogo	88.8MHz
			Energy Radio Jali	90.3MHz
			Energy Radio Karongi	107.3MHz
Radio10	3	70% see image 6	Radio10, Jali	87.6 MHz
			Radio10, Rubavu	93.6 MHz
			Radio10, Nyarupfubire	99 MHz
Radio Flash FM	3	70% See Image 7	Flash FM, Jali	89.2 MHz
			Flash FM, Nyarupfubire	90.4MHz
			Flash FM, Karongi	95.7 MHz
Radio Salus	2	65% See Image 8	Salus Radio, Jali	101.9 MHz
			Salus Radio, Huye,	97 MHz
- City Radio	1	60 % See image 10	City Radio Jali	88.3 MHz
- Radio Huguka			Radio Huguka Jali	105.9 MHz
- Radio one			Radio one Jali	91.1MHz
- Royal FM			Royal FM Jali	94.3 MHz
- KISS FM			Kiss FM Rebero	102.3 MHz
- Radio O			Radio O Jali	92.8MHz
- Inkoramutima radio			Inkoramutima Radio Jali,	107.1 MHz
- Voice of Africa			Voice of Africa Jali,	94.7 MHz
- Voice of Hope			Voice of Hope Jali,	106.4 MHz
- Radio Umucyo			Radio Umucyo Jali,	102.8 MHz
- Voice of America			Voice of America Jali,	104.3 MHz
- RFI Radio			RFI Radio Jali,	91.9 MHz
- Fine FM Radio			Fine FM, Jali,	93.1MHz
- Life radio			Life radio Jali,	96MHz
- Sana Radio			Sana Radio Jali,	98MHz
- Capital FM			Capital FM radio Jali	103.5MHz
- Power FM			Power FM radio Jali	104.1MHz
- Radio Imanzi			Radio Imanzi Jali	105.1MHz
- Umwezi FM			Umwezi FM	95.3MHz
- Isango star	2	65% See image 9	Isango star Jali	91.5MHz
			Isango Star, Mugogo	105.5MHz
- Isangano Community Radio	1	20 % Depending on transmitter location. See Images 11, 12 and 13	Isangano CR Karongi	104.9 MHz.
- Ishingiro Community Radio			Ishingiro CR Byumba	107.5 MHz
- Radio Izuba Community Radio			Radio Izuba CR, Kibungo	100.0 MHz
- Country FM	1	20%. See image 14	Country FM Gihundwe	105.7MHz
- Radio Isano	1	20%. See image 15	Radio Isano Rubona	92MHz

The coverage analysis was done using the parameters assigned in the licenses and below are the general parameters assigned;

- Antenna height above ground level: 50m
- Signal type: FM Stereo for Radio
- Transmitter power: 1 KW
- Antenna gain: 8 dBi
- Propagation model: Fresnel method

Image 1: Approximate coverage of Radio Rwanda

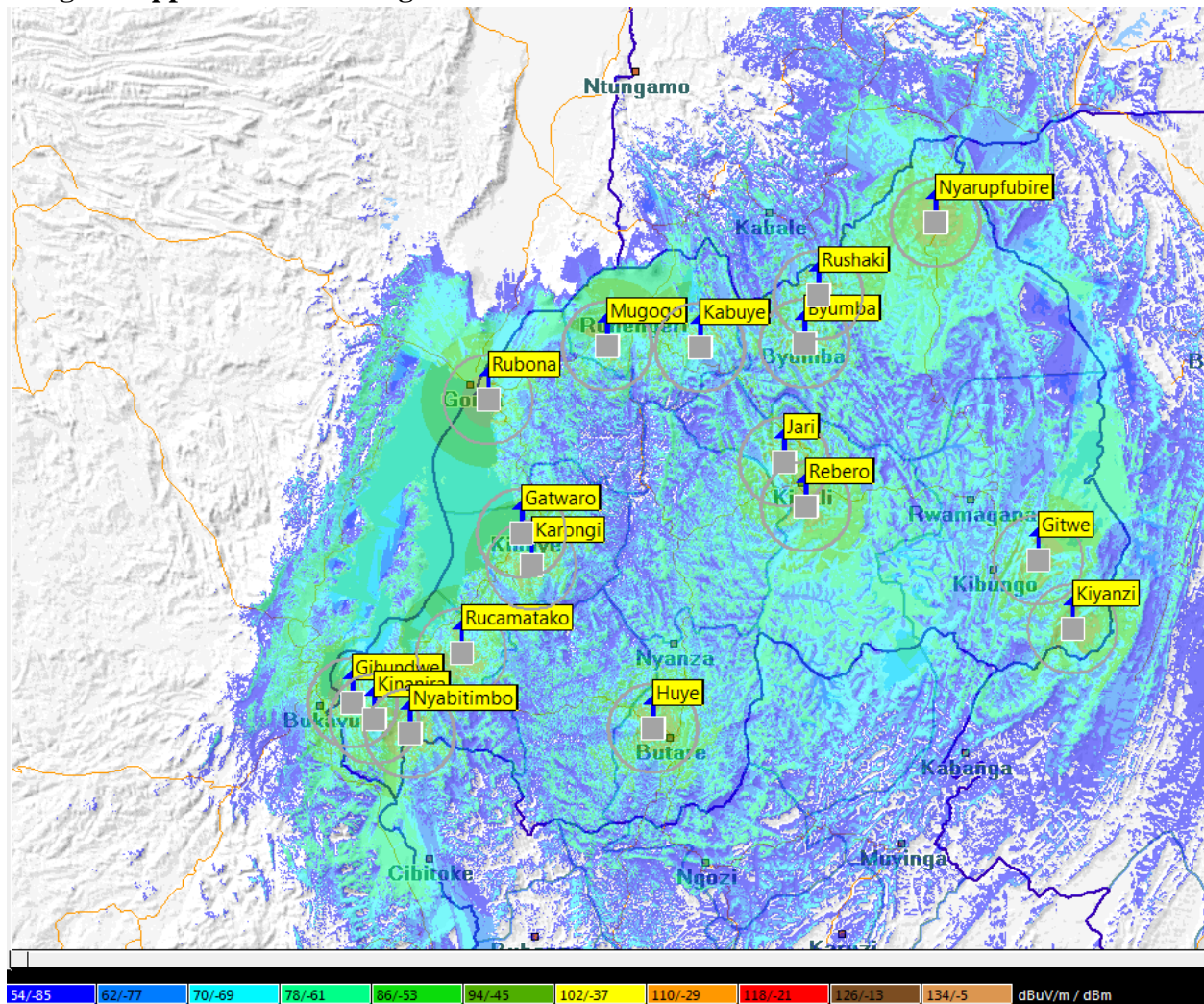


Image 2: Approximate coverage of Radio Maria

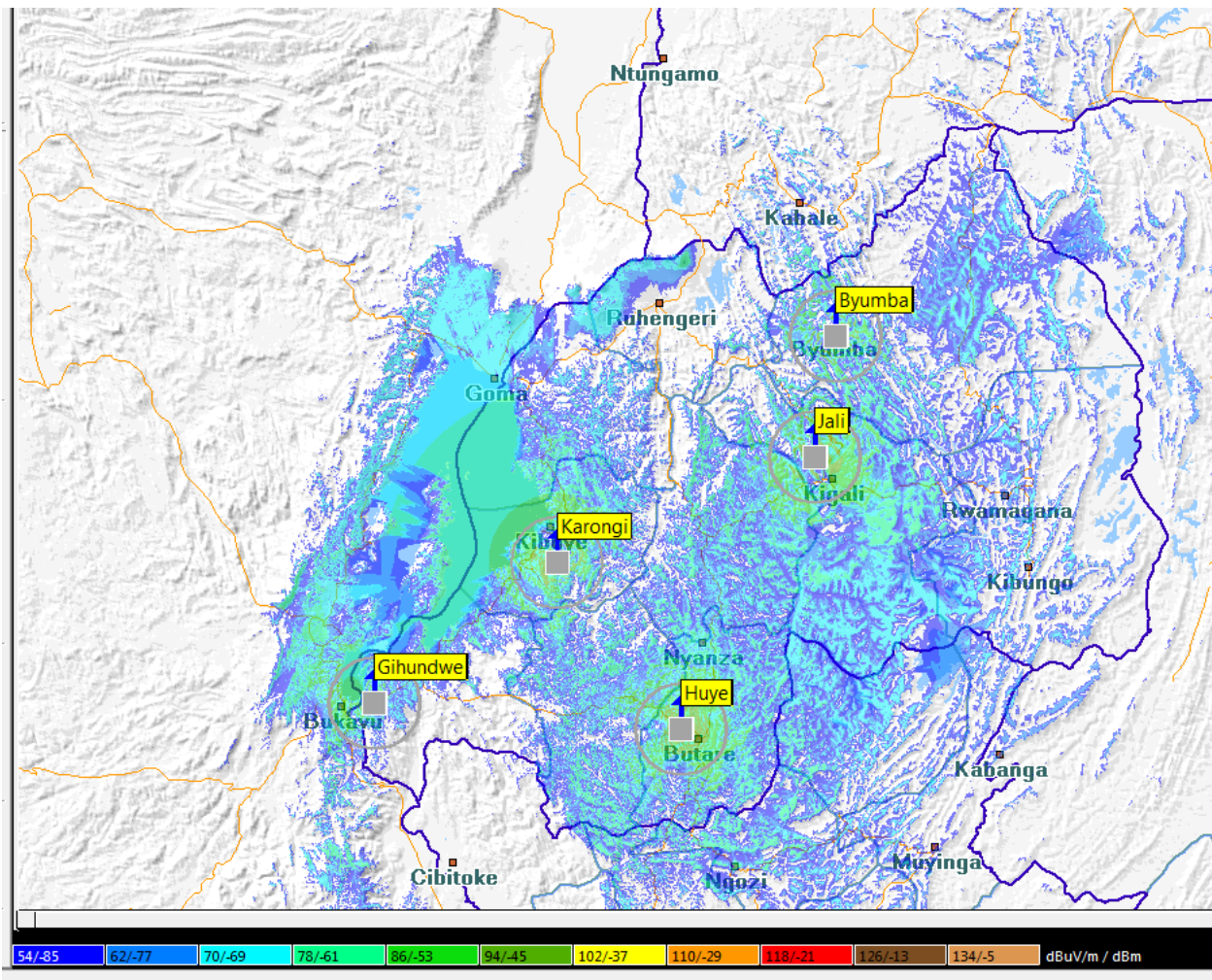


Image 3: Approximate coverage of KT Radio

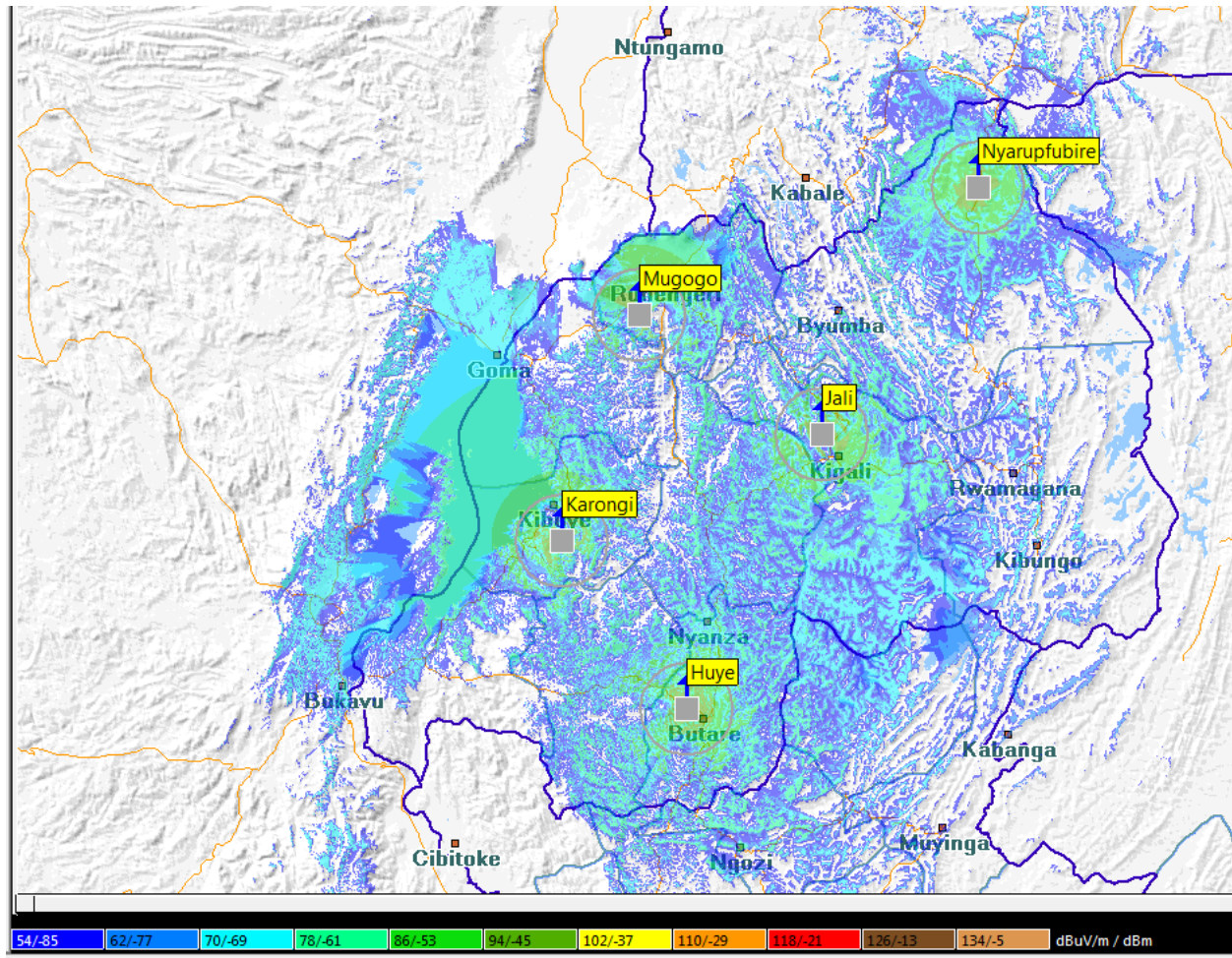


Image 4: Approximate coverage of BBC Radio

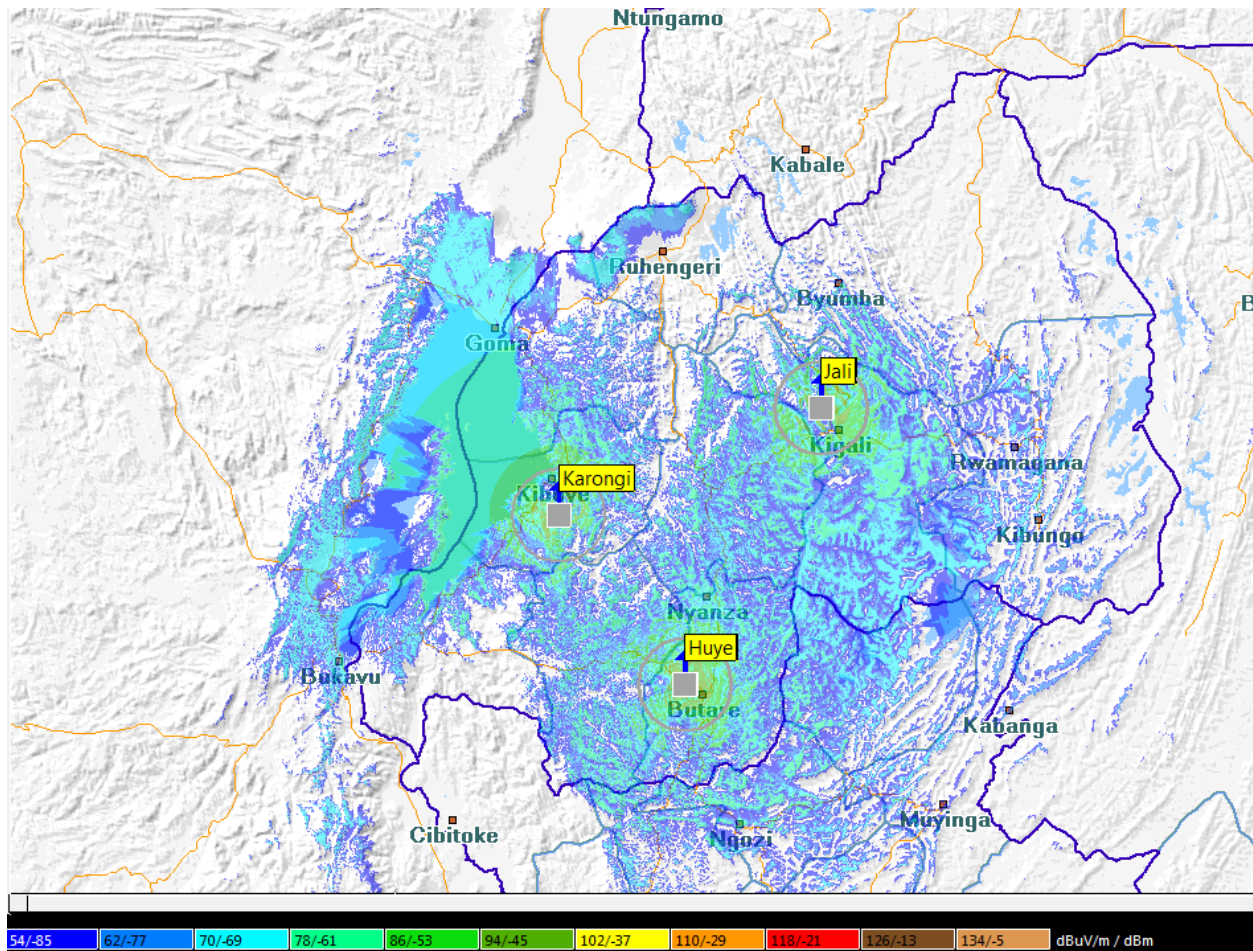


Image 5: Approximate coverage of Energy FM Radio

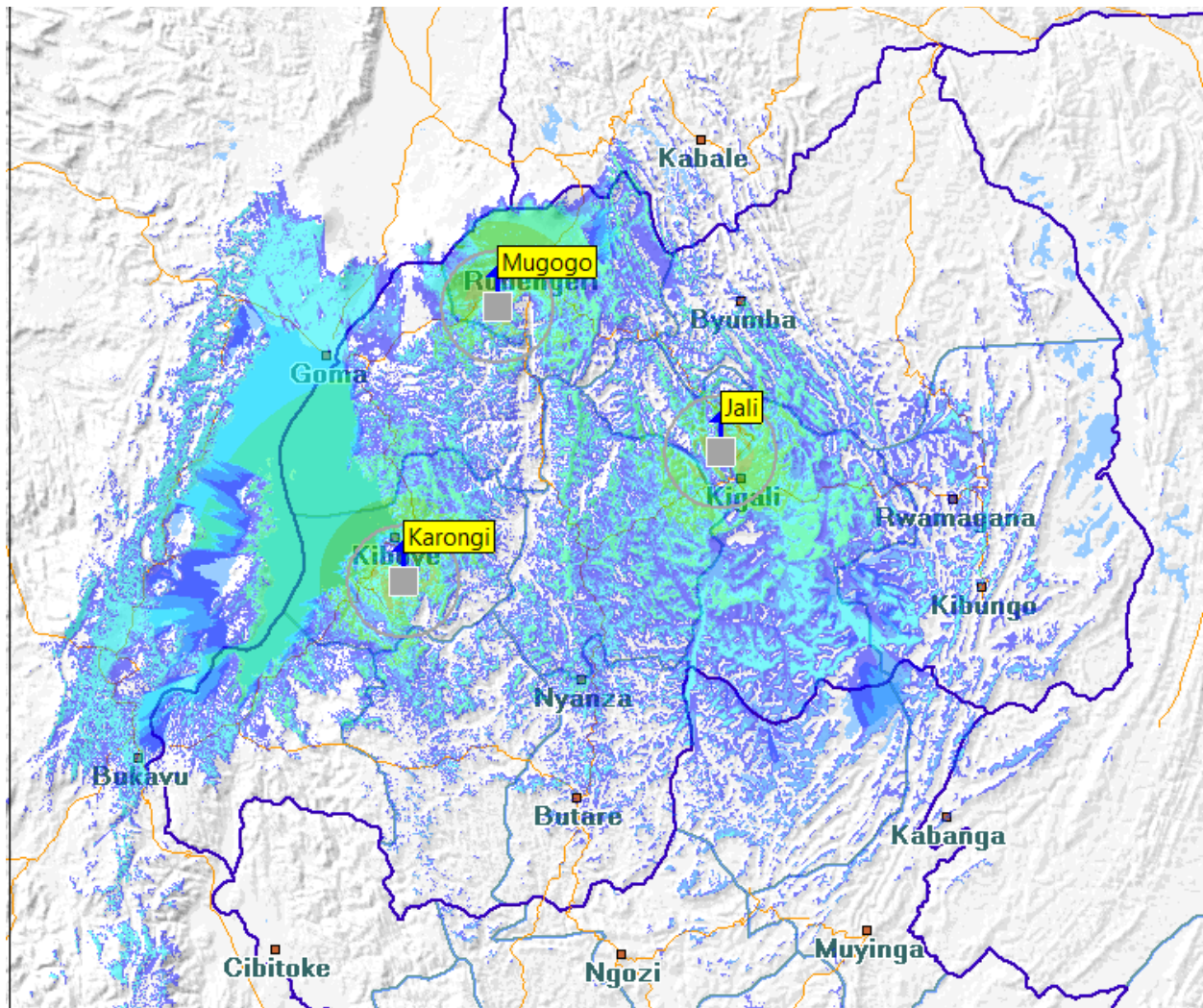


Image 6: Approximate coverage of Radio10 FM

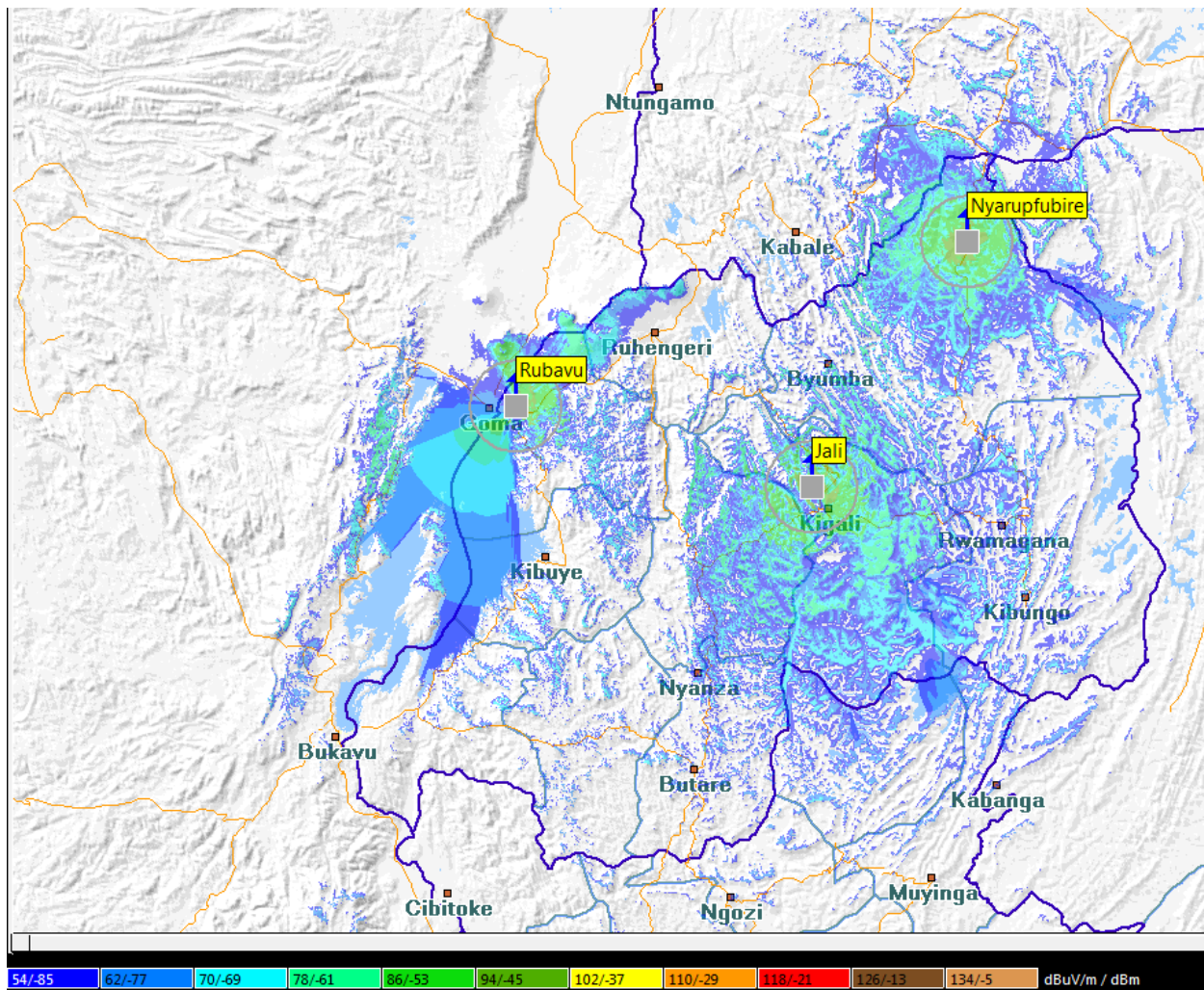


Image 7: Approximate coverage of Radio Flash FM

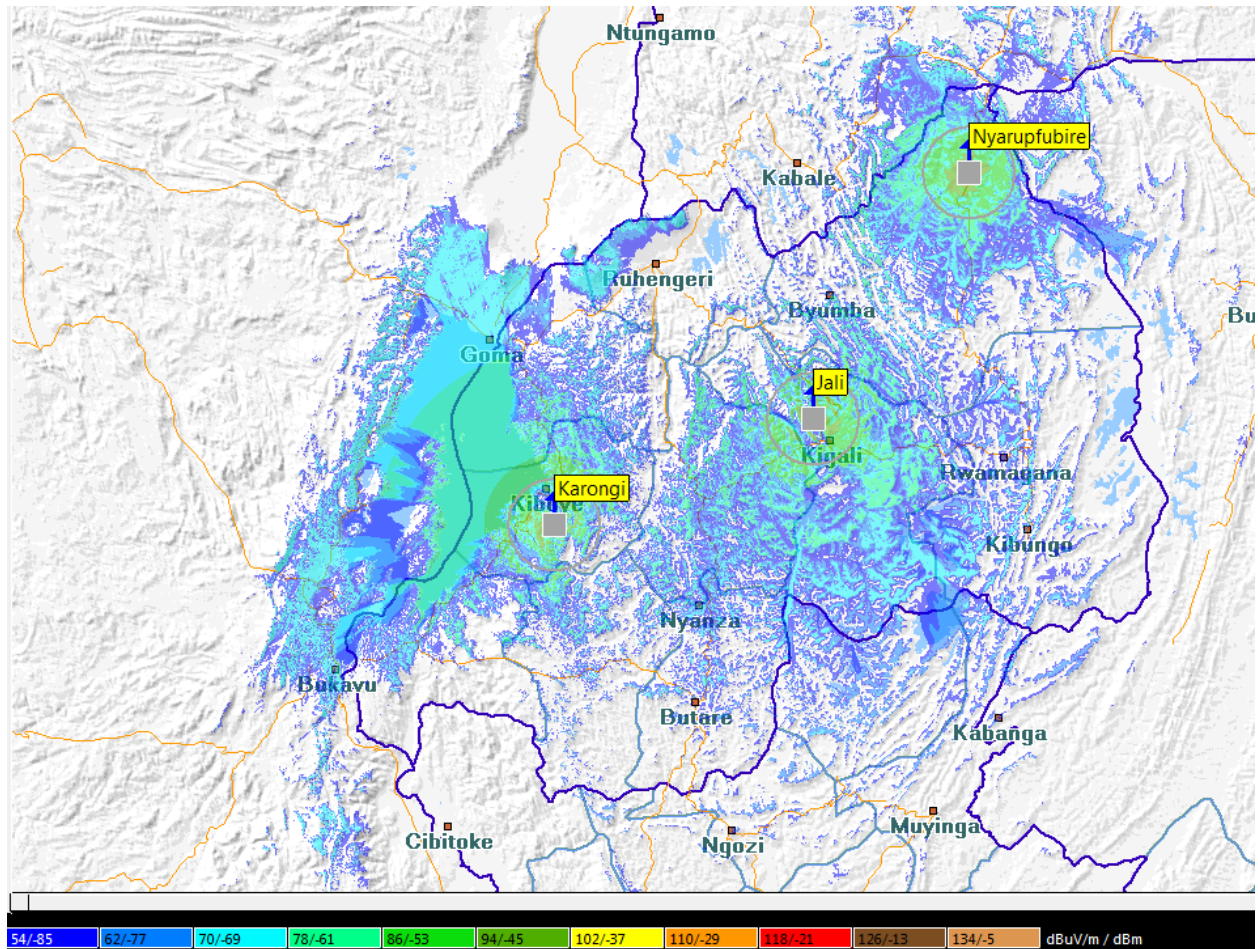


Image 8: Approximate coverage of Salus Radio

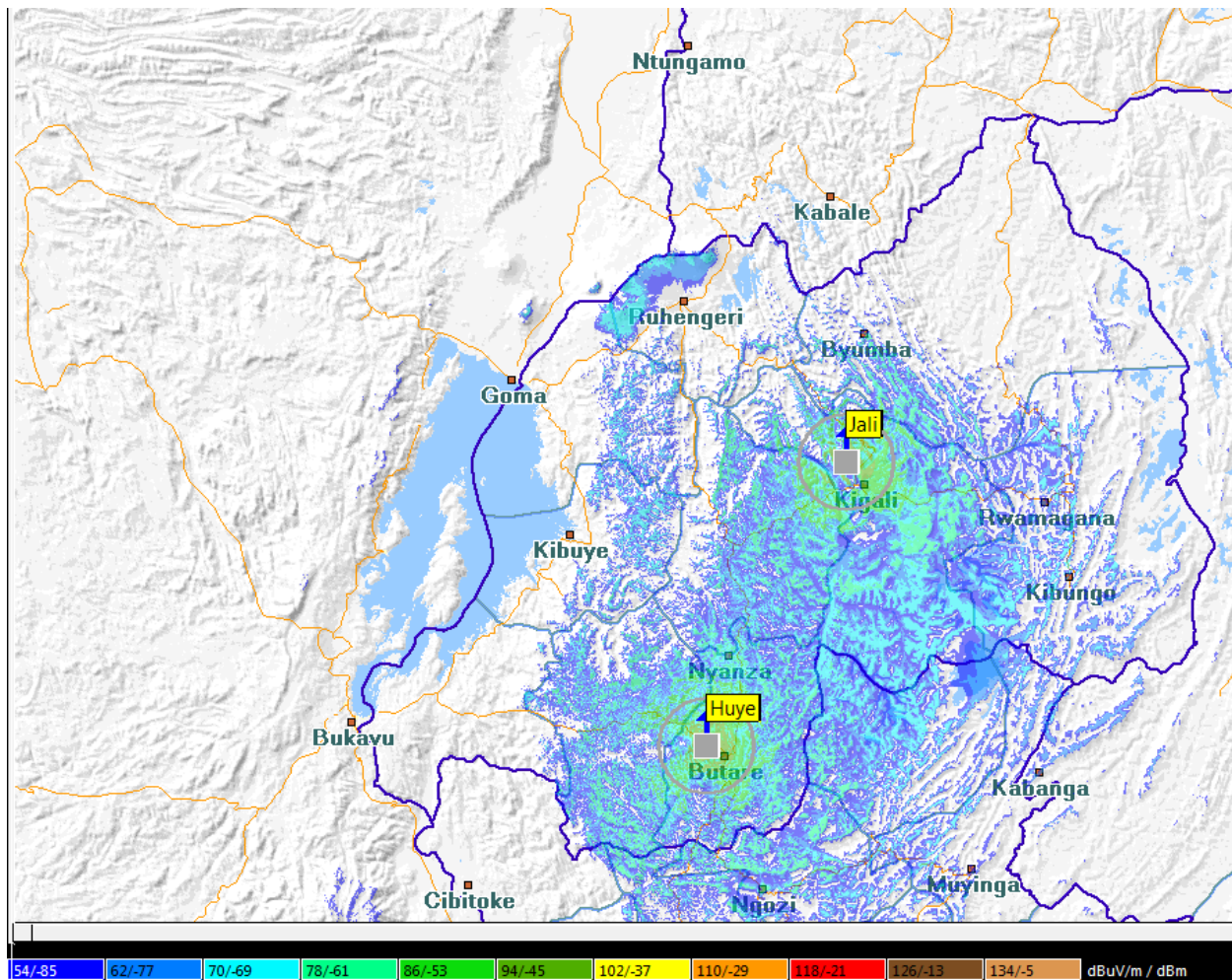
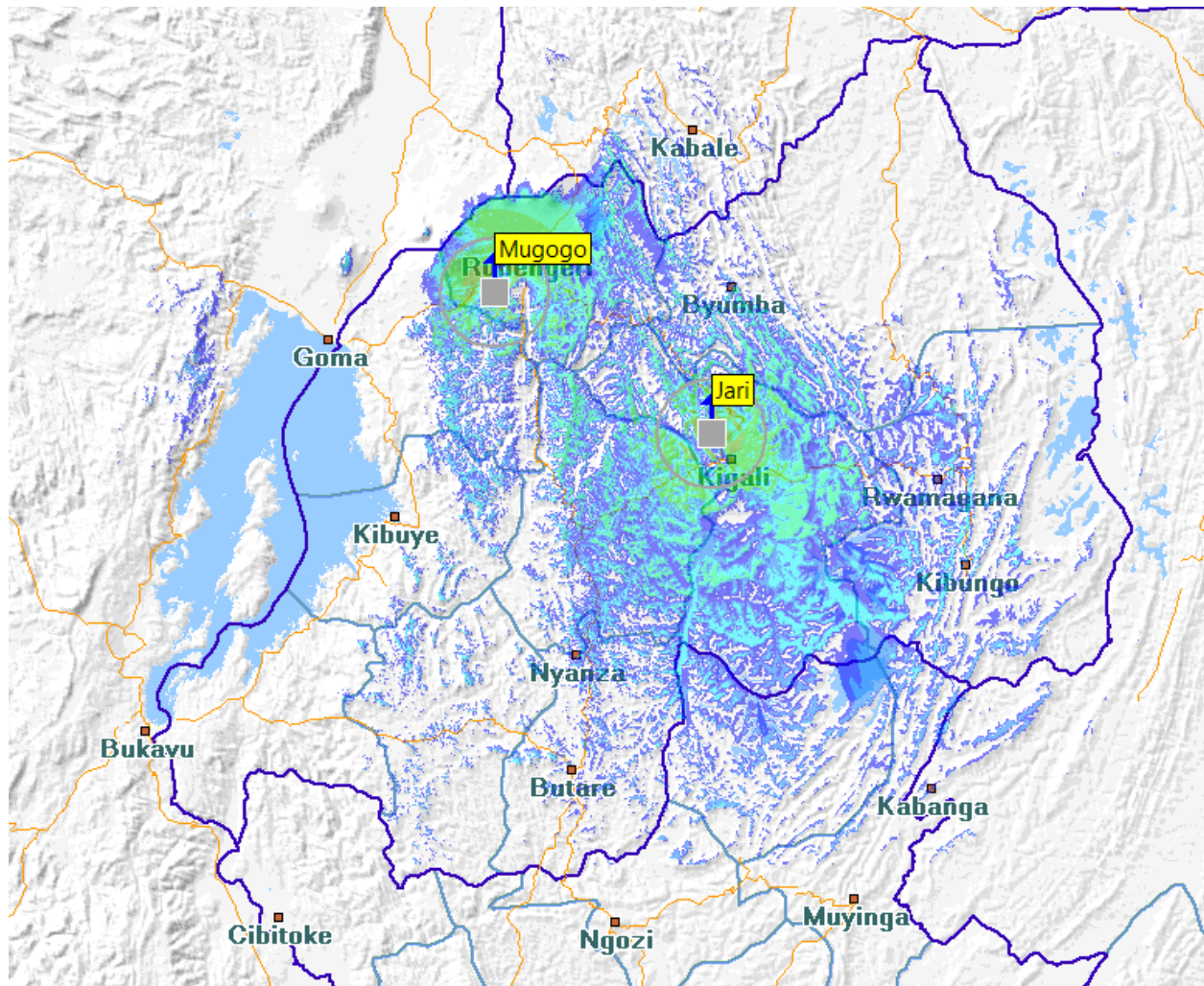


Image 9: Approximate coverage of Radio Isango Star



(City Radio, Huguka Radio, Radio one, Radio O, Inkoramutima Radio, Voice of Africa, Voice of Hope, Kiss FM, Royal FM, Capital FM, Radio Umucyo, Voice of America, Fine FM, Life radio, Sana Radio, Radio Imanzi, Power FM & RFI).

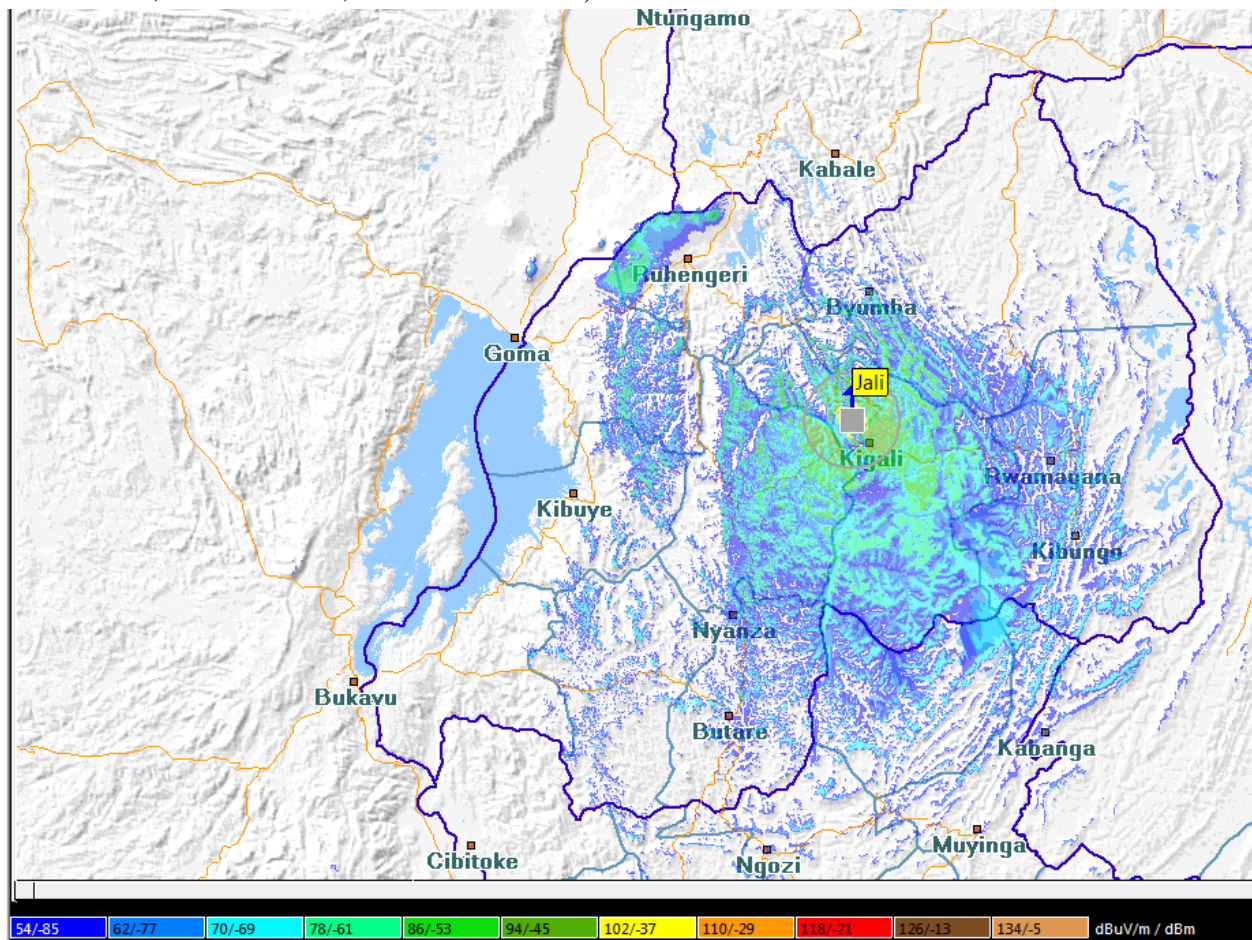


Image 11: Approximate coverage of Isangano radio

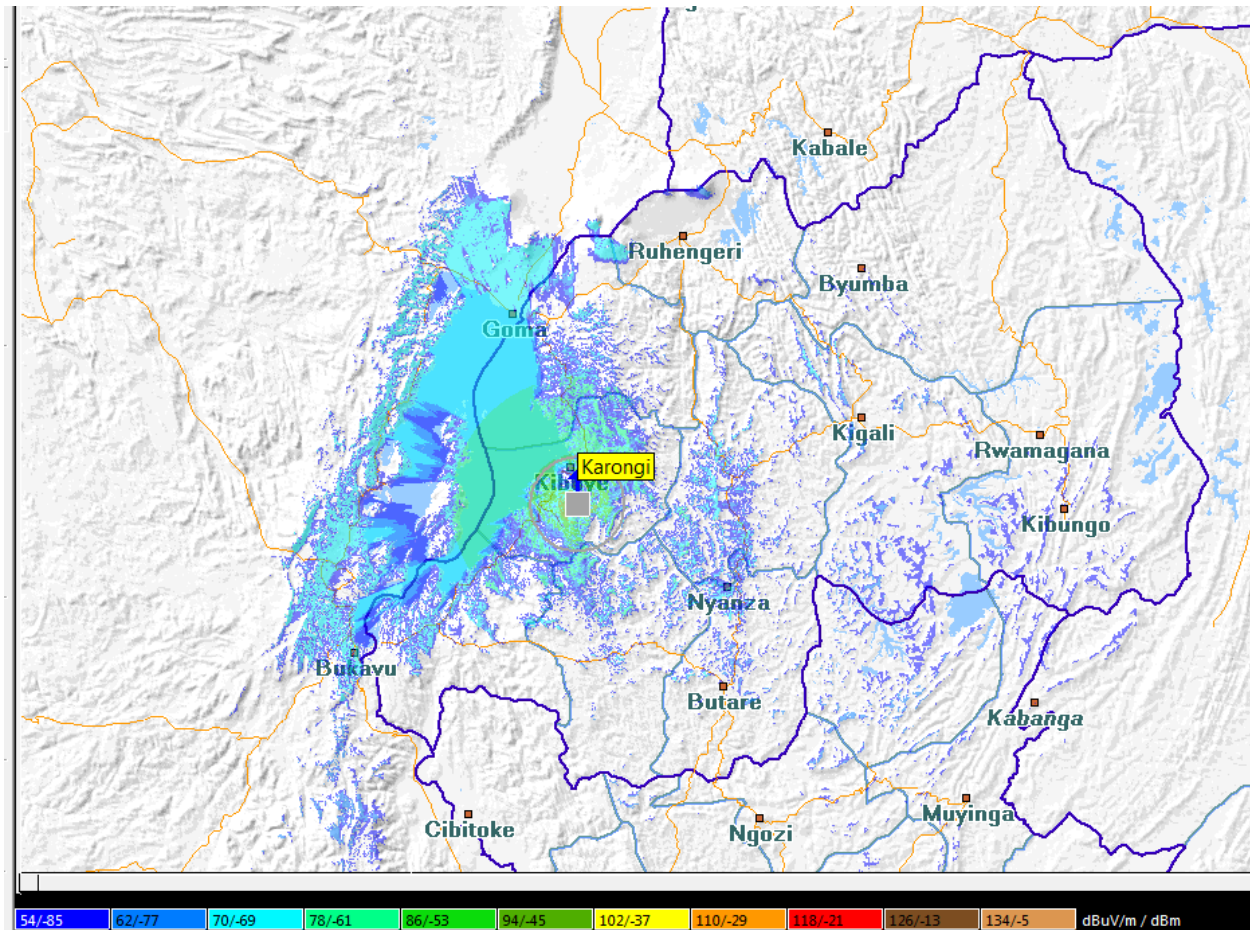


Image 12: Approximate Radio coverage for Ishingiro Radio

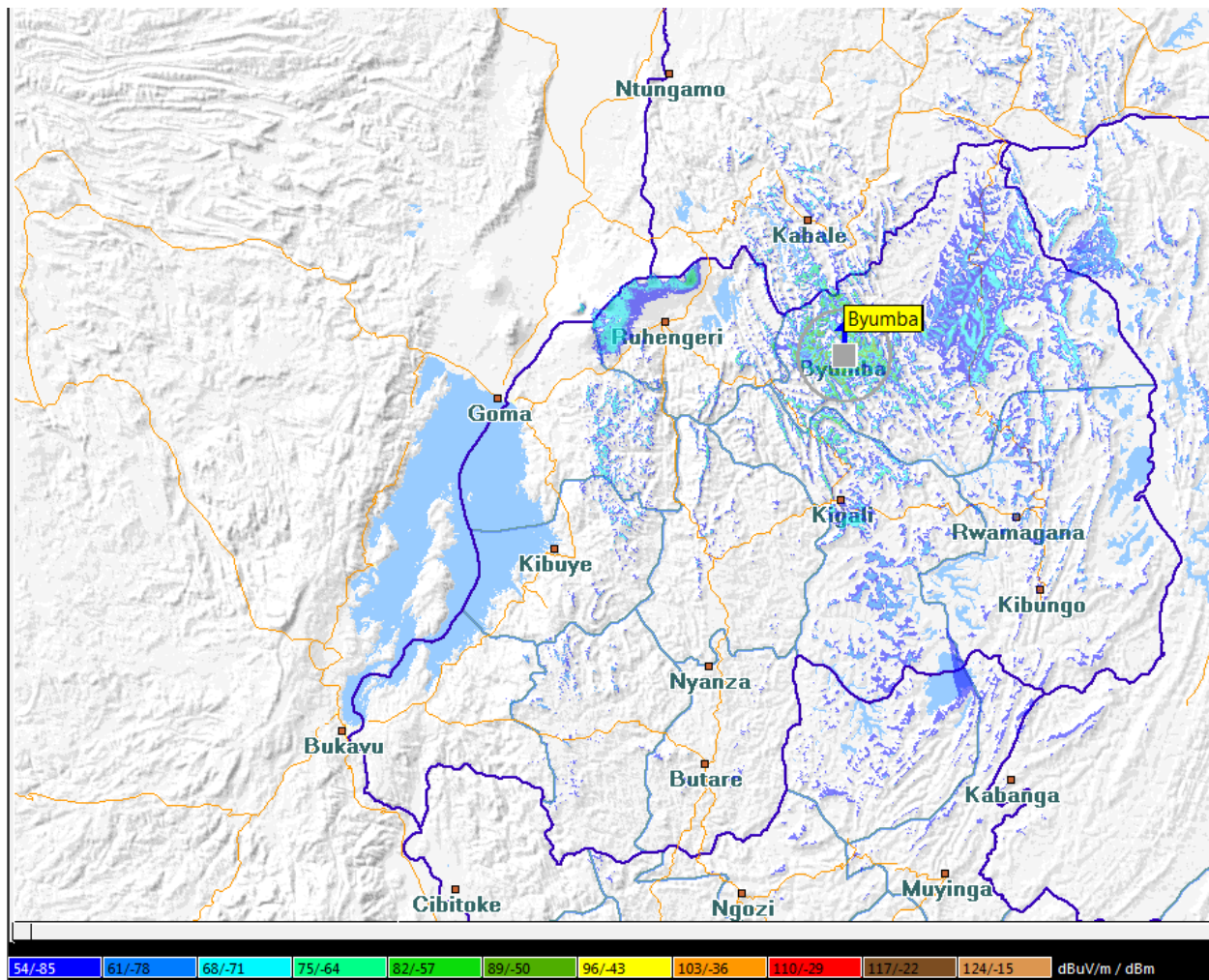


Image 13: Approximate Radio coverage for Izuba radio

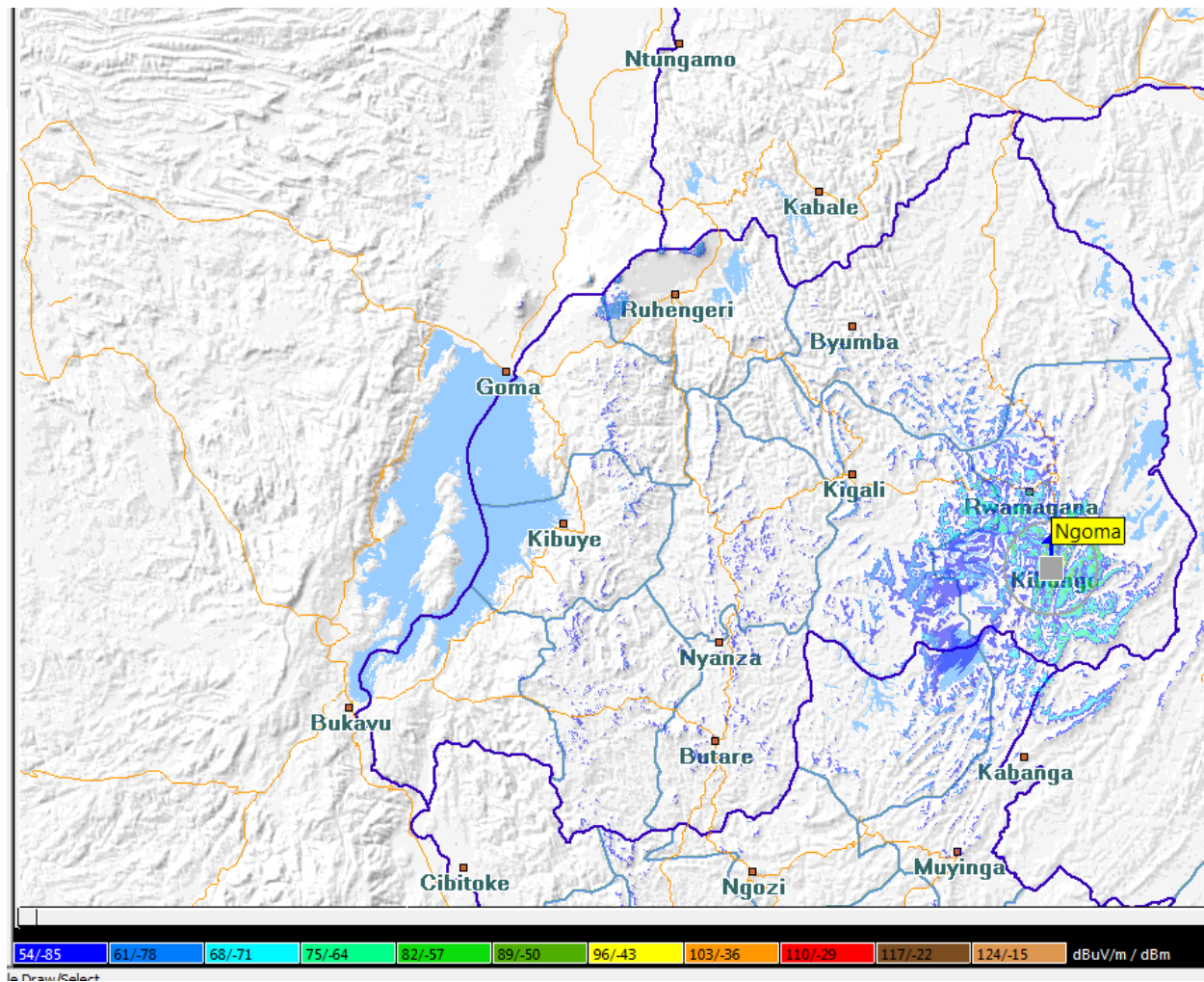


Image 14: Approximate Radio Country FM

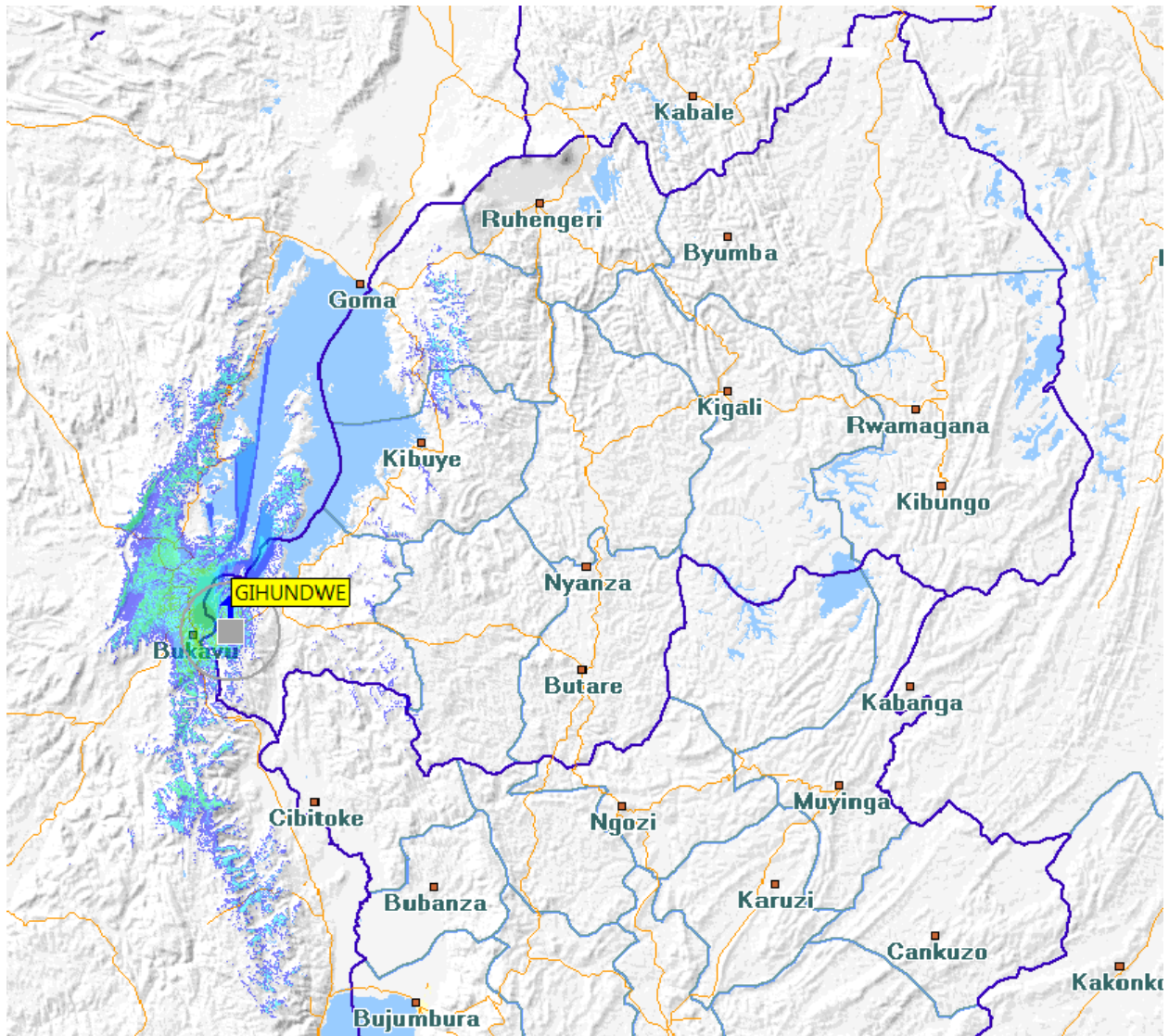
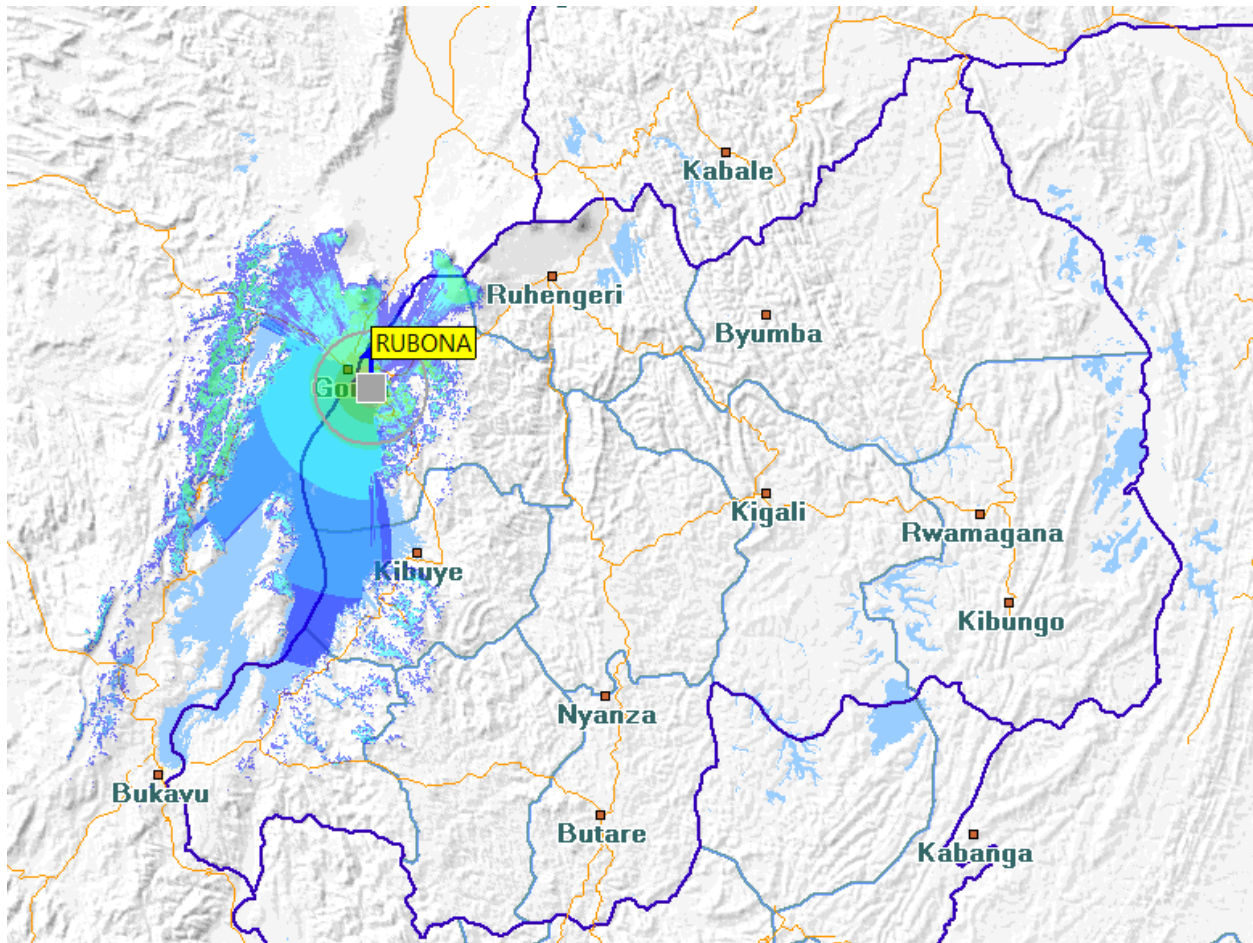


Image 15: Approximate Isano Radio



3. APPROXIMATE COVERAGE OF TV STATIONS IN RWANDA

In digital TV broadcasting, there are two signal distributors namely Rwanda Broadcasting Agency (RBA) with 14 transmitters located at 14 sites and PANAFRICA Network Group Ltd with 18 transmitters located at 6 sites.

The aim of this document is to show their simulated coverage. It can help the signal distributors to add gap fillers to cover the areas not covered or add new transmitters in the areas not covered. Further, TV content providers can understand the coverage of their TV contents.

This document contains two parts; the simulated coverage of each network and TV stations broadcasted in each network. The TV stations on RBA network platform covers 80% and on PANAFRICA Network Group Ltd platform covers 60% of the whole country on terrestrial platform.

1. PART ONE: THE SIMULATED COVERAGE

Fig 1: Rwanda Broadcasting Agency Digital TV network Coverage

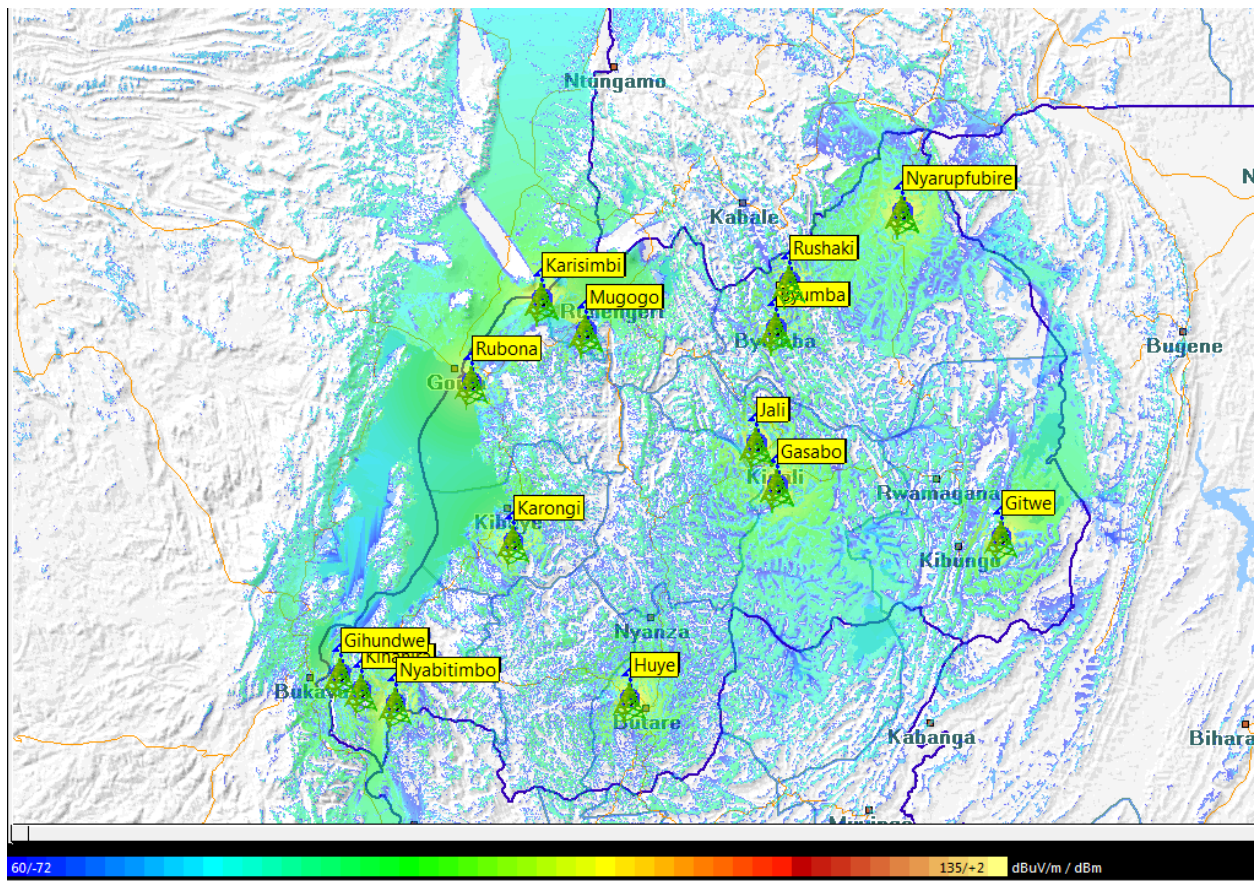
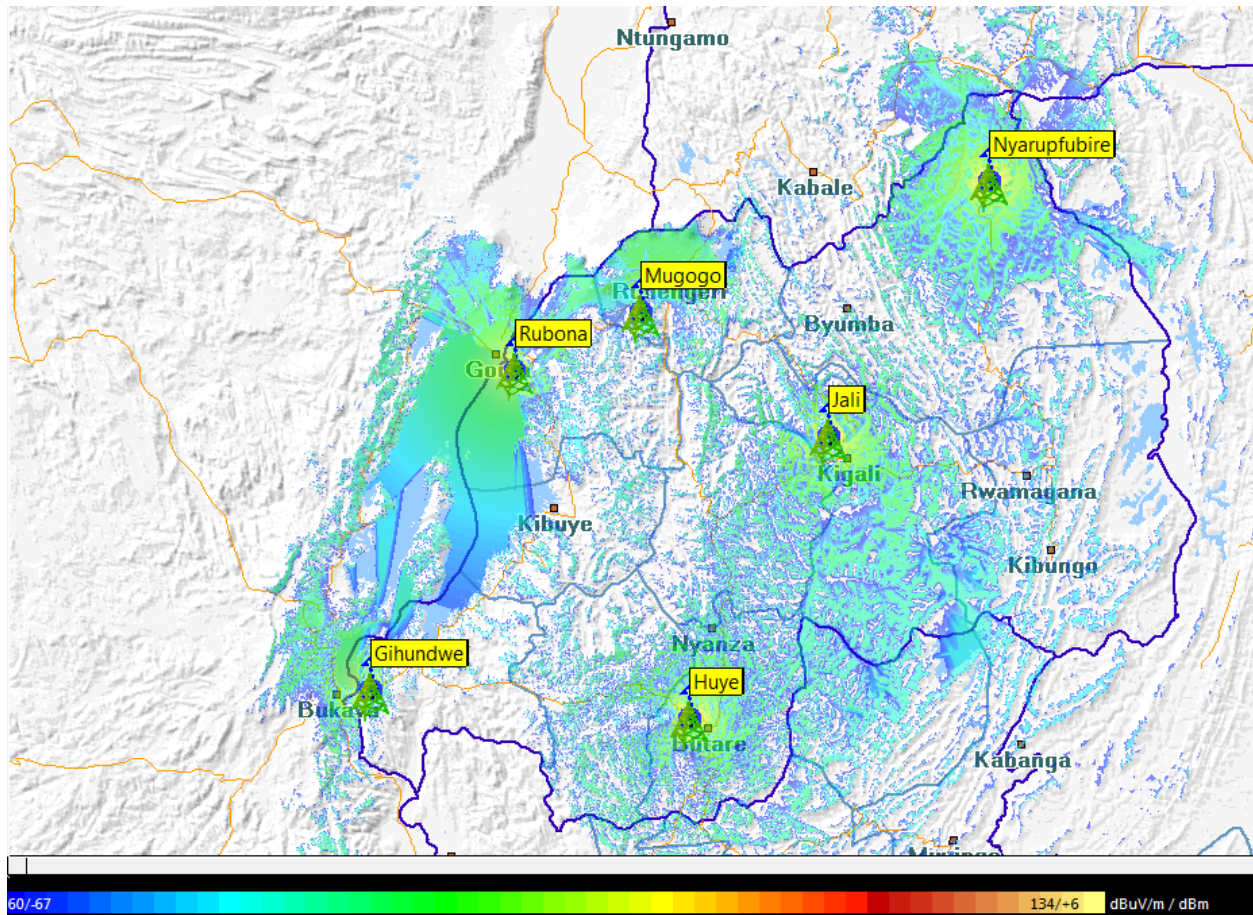


Fig 2: PANAFRICA Network Group Ltd Digital TV Network Coverage



TV STATIONS CARRIED IN EACH SIGNAL DISTRIBUTOR'S NETWORK

a) TV stations at RBA Network

1. Rwanda Television(RTV)
2. Isango Star TV
3. TV One
4. Flash TV
5. Big Television Network (BTN) TV
6. France 24 French
7. France 24 English
8. Pacis TV
9. KC2
10. Isibo TV
11. TV10
12. Izuba TV
13. Goodrich TV
14. TV5 Monde
15. B+ TV
16. Yongwe TV

b) TV Stations at PanAfrica Network Group Ltd Network

1. TV One
2. Flash TV
3. Big Television Network (BTN) TV
4. Rwanda Television (RTV)
5. Isango Star TV
6. TV10
7. Prime TV
8. Buryohe TV
9. Isibo TV
10. KC2
11. Izuba TV
12. Goodrich TV
13. Pacis TV
14. TV O
15. Prime TV
16. Buryohe TV
17. B+ TV

Disclaimer: These radio and TV stations coverage are simulated coverages using ICS telecom software. The data provided are for general information purposes only.