

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

1. FM Radio Stations

Section 1 summarizes the radio stations approximate coverage in percentage and section 2 shows approximation coverage on maps as of 25th January 2022.

Section 1:

Station Name	Number of	Approximate covered area	Transmitting station, site and frequency	
	Transmitters		_	
RBA	28	98%	Radio Rwanda, Jali,	100.7 MHz
(Radio Rwanda and		See image 1	Radio Rwanda, Rebero,	104.7 MHz
		See mage 1	Radio Rwanda, Huye,	103.9 MHz
its community			Radio Rwanda, Karisimbi,	88.0 MHz
radios (CR))			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,	101.1 MHZ 103.2 MHz
			Radio Rwanda, Gihundwe,	105.7 MHz
			Radio Rwanda, Rushaki,	
				106.8 MHz
			Radio Rwanda, Kiyanzi	99.3 MHz
			Radio Rwanda, Kabuye	92.4MHz
			Radio Rwanda Inteko, Jali,	101.5 MHz
			RBA CR Huye, Huye,	100.4 MHz
			RBA CR Musanze, Mugogo,	98.4MHz
			RBA CR Nyagatare, Nyarupfubire,	
			RBA CR Rubavu, Rubona,	95.1 MHz
			RBA CR Rusizi, Nyabitimbo,	96.1MHz
			RBA CR Rusizi, Gihundwe	89.8MHz
			RBA CR Rusizi, Karongi,	106.9 MHz
			RBA Magic FM, Jali,	90.7MHz
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
			KT Radio, Huye	107.9MHz
			KT Radio, Nyarupfubire	107.9MHz
BBC	3	75% See	BBC, Karongi	93.3MHz
	5		BBC, Jali	93.9MHz
				Page 1 of 17



Station Name	Number of	Approximate	Transmitting station, site and frequency	
	Transmitters	covered area		
		Image 4	BBC, Huye	106.1MHz
Radio10	3	70% see image	Radio10, Jali	87.6 MHz
Tudio 10	5	5	Radio10, Rubavu	93.6 MHz
		5	Radio10, Nyarupfubire	99 MHz
Radio Flash FM	3	70%	Flash FM, Jali,	89.2 MHz
		See Image 6	Flash FM, Nyarupfubire,	90.4MHz
		See mage o	Flash FM, Karongi,	95.7 MHz
Voice of Hope	2	65% See	Voice of Hope, Jali	106.4MHz
		Image 7	Voice of Hope, Karongi	100.2 MHz
Radio Salus	2	65%	Salus Radio, Jali,	101.9 MHz
Kaulo Salus	2		Salus Radio, Huye,	97 MHz
	1	See Image 8	-	
- City Radio	1	60 %	City Radio Jali,	88.3 MHz
- Isango star		See image 9	Isango star Jali,	91.5MHz
- K-FM			K-FM Rebero,	98.7 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 Jali,	102.3 MHz
- Authentic radio			Authentic radio Jali,	92.8MHz
- Inkoramutima radio			Inkoramutima Radio Jali,	107.1 MHz
- Voice of Africa			Voice of Africa Jali,	94.7 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
- Hot FM Radio			Hot FM radio Jali,	103.6MHz
- Vision Radio			Vision Radio Jali,	104.1MHz
- Imanzi Radio			Imanzi Radio Jali	105.1MHz
- Umwezi Radio	1	200/	Umwezi Radio Jali	95.3MHz
- Energy radio	1	30%	Energy Radio Mugogo Country FM Radio Gihundwe	88.8MHz
 Country FM Radio Isano Radio 				105.7MHz
Ibuno Ituato	1	15 0/		92MHz
- Isangano	1	15 % Depending on	Isangano CR, Karongi,	89.4 MHz.
- Ishingiro		Depending on transmitter	Ishingiro CD Dumbo	107.5 MHz
e			Ishingiro CR, Byumba,	107.3 MHZ
Community Radio		location. See	Padio Lauba CP Kiburas	100.0 MH~
- Radio Izuba		Images 10, 11 and	Radio Izuba CR, Kibungo,	100.0 MHz
Community Radio		12		

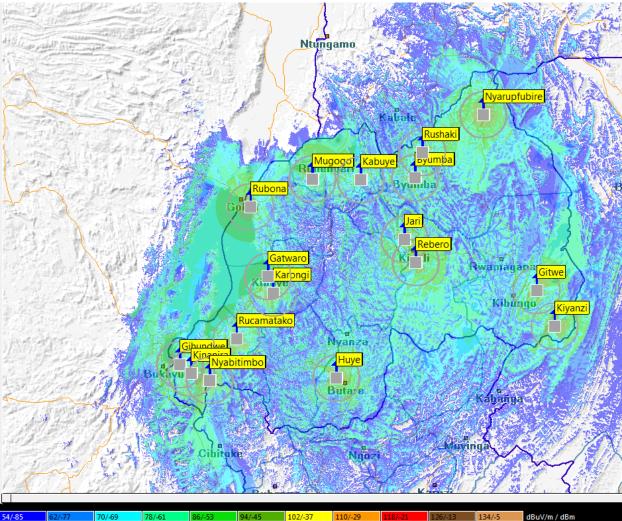


2. The coverage of FM radio stations on maps

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





Ntungamo Kabale Ruhengeri Byumba hunda Jali Rwamagana Kin Karongi Kibungo Nyanza ihundwe Huye P. Butare Kabanga Muyinga Cibitoke Ngoži dBuV/m / dBm 70/-69 78/-6 94/-4 134/-4/-8

Image 2: Approximate coverage of Radio Maria



Image3: Approximate coverage of KT Radio

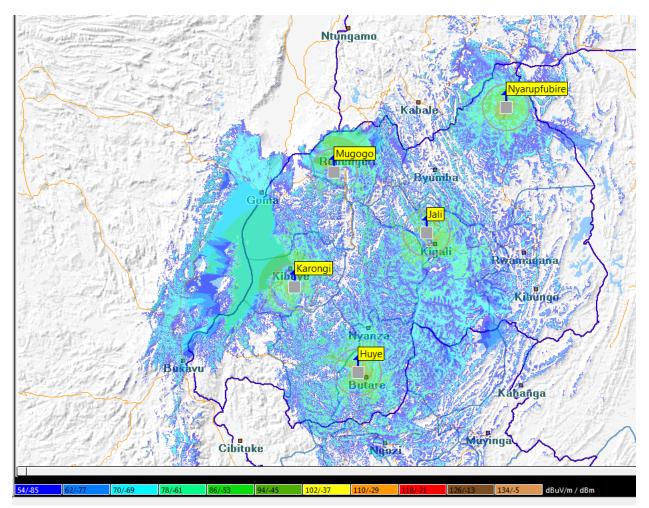




Image4: Approximate coverage of BBC Radio

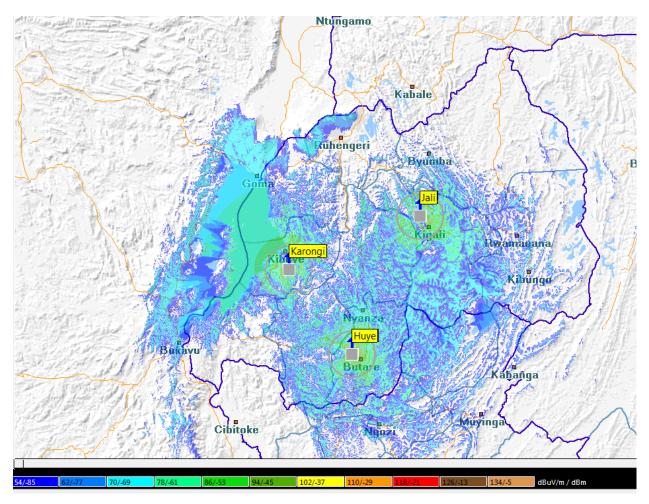




Image 5: Approximate coverage of Radio10 FM

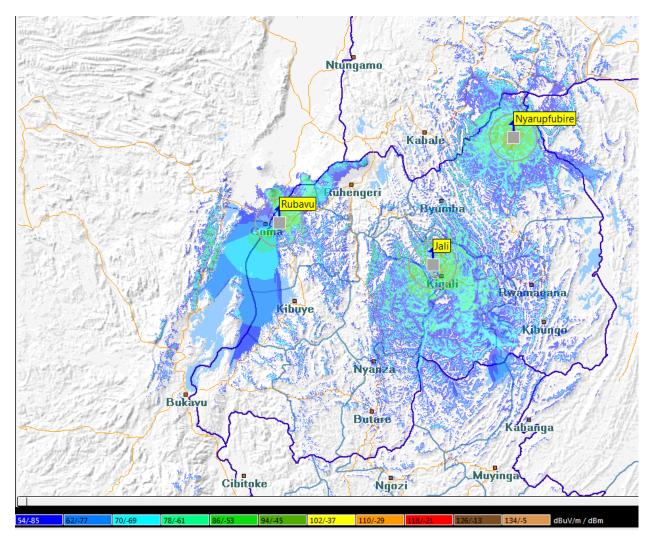




Image 6: Approximate coverage of Radio Flash FM

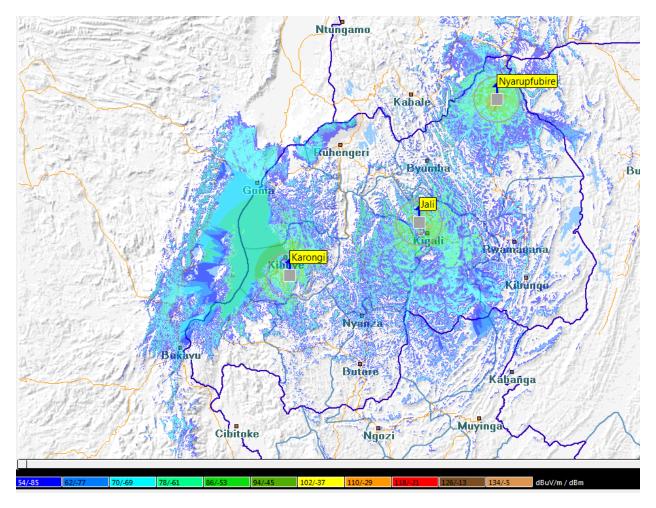




Image 7: Approximate coverage of Voice of Hope Radio

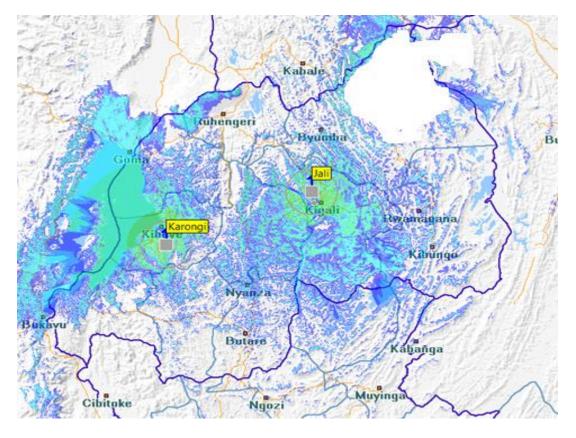




Image 8: Approximate coverage of Salus Radio

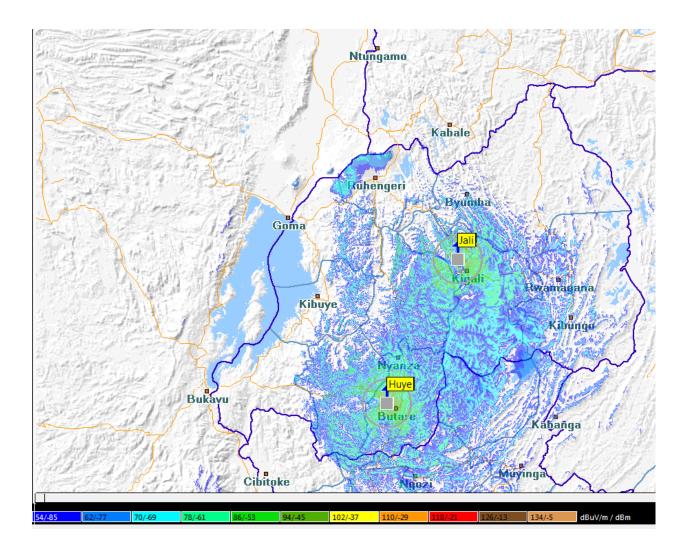




Image 9: Approximate coverage of FM stations with one transmitter of 1 KW in Kigali (Jali site)

(City Radio, Isango star, K-FM, Huguka Radio, Radio one, Authentic, Inkoramutima Radio, Voice of Africa, Imanzi Radio, Kiss FM, Royal FM, Hot FM, Radio Umucyo, Voice of America, Fine FM, Life radio, Sana Radio, Vision Radio & RFI).

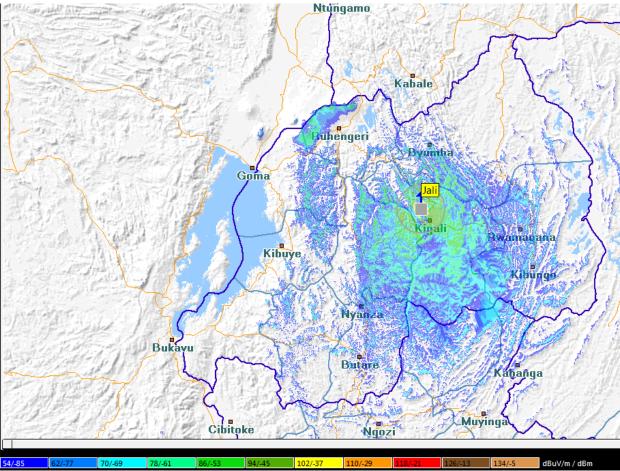




Image 10: Approximate coverage of Isangano radio

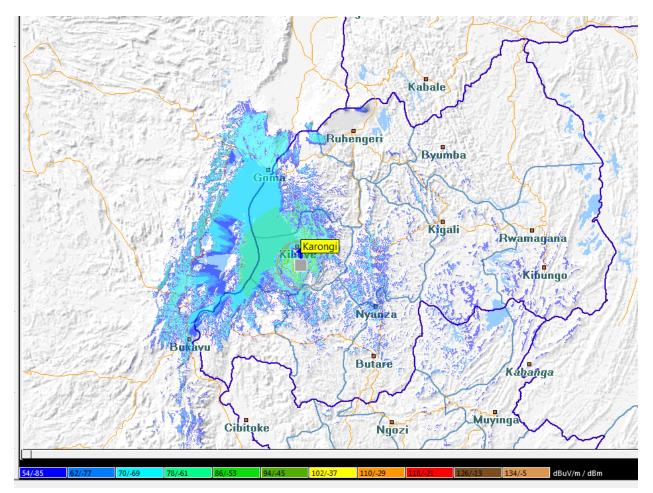
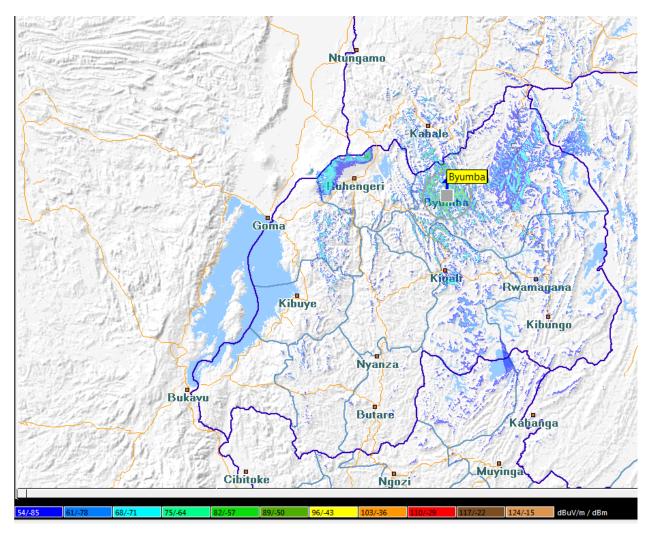




Image 11: Approximate Radio coverage for Ishingiro Radio





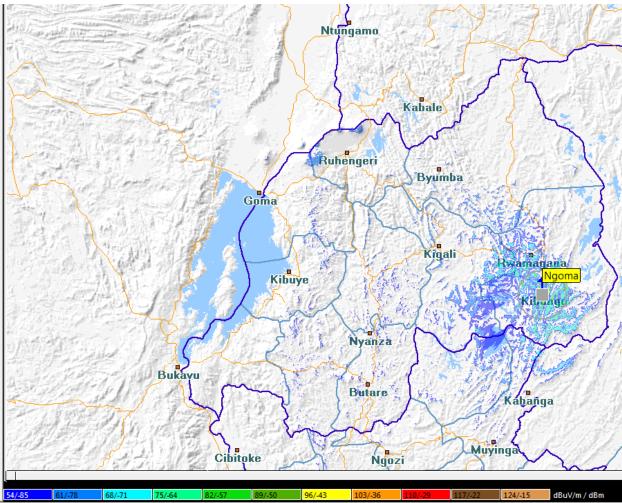


Image 12: Approximate Radio coverage for Izubas radio

la Draw/Select



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 5 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

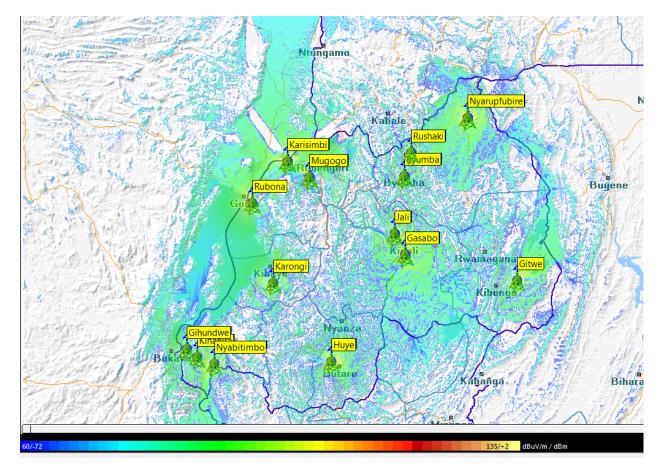
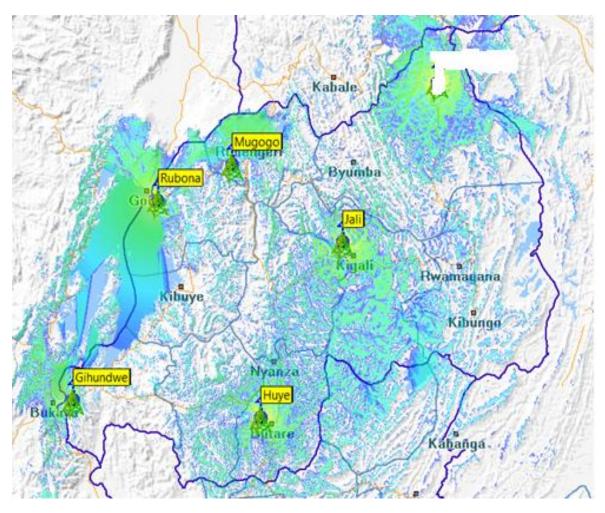


Fig1: Rwanda Broadcasting Agency Digital TV network Coverage



Fig2: 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. TV5 Monde
- 11. Goodrich TV
- 12. Izuba TV

b) TV Stations at PanAfrica Network Group Ltd Network

- 1. TV One
- 2. Flash TV
- 3. Big Television Network (BTN) TV
- 4. Authentic TV
- 5. Rwanda Television (RTV)
- 6. Isango Star TV
- 7. TV10
- 8. Victory TV
- 9. Prime TV
- 10. Buryohe TV
- 11. Isibo TV
- 12. KC2
- 13. Izuba TV
- 14. Family TV

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