

HALF WAVE DIPOLE ANTENNA CALCULATOR

DESIGN YOUR ANTENNA JUST BY A CLICK!!!

Objective:

The application is designed to calculate the wavelength, radius, gap and length of the halfwave dipole antenna just by entering the design frequency.

Into the Application:

A lot of computation is required for the design of an antenna .This application will give an easy way to design the half wave dipole antenna by just entering the desired frequency.

This application calculates the

- Wavelength
- Gap between the dipole
- Radius of dipole
- Length of dipole

Features :

Apart from the calculation of design ,it also shows the formula used for the calculation and the three dimensional design of the antenna.

HALFWAVE DIPOLE ANTENNA CALCULATOR



GO

DESIGN CALCULATOR

FORMULA SHEET

DESIGN



Example:

DESIGN CALCULATOR

ENTER THE FREQUENCY (f)

240000000 Hz

CALCULATE



DESIGN CALCULATOR

ENTER THE FREQUENCY (f)

240000000 Hz

CALCULATE

WAVELENGTH(λ)

1.25 m

RADIUS OF THE DIPOLE(a)

0.00125 m

LENGTH OF THE DIPOLE(L)

0.6 m

GAP BETWEEN THE DIPOLE(G)

0.003 m



Formula screen

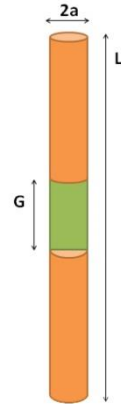
FORMULA SHEET

WAVELENGTH(λ)	c/f $c=3*10^8$
RADIUS OF THE DIPOLE(a)	$\lambda/1000$
LENGTH OF THE DIPOLE(L)	$0.48*\lambda$
GAP BETWEEN THE DIPOLE(G)	$L/200$



3D design

DESIGN



HALF WAVE DIPOLE ANTENNA

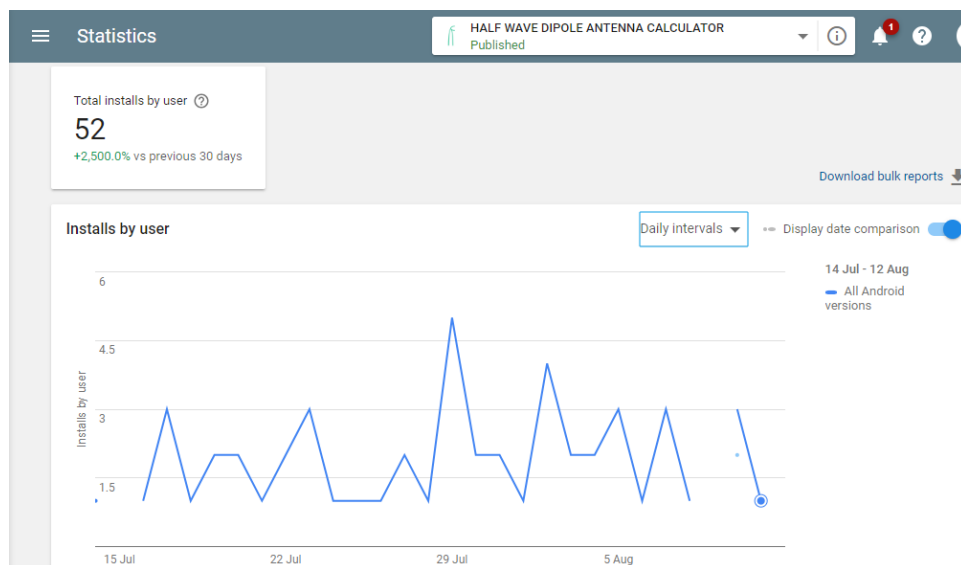


Find it on Google Play store:



<https://play.google.com/store/apps/details?id=com.er.v.n.imaduddeen.gmail.halfwavedipole>

Installs till now...



Countries where the application installed:

Countries like India, United States, Thailand, Malaysia, Peru, Mexico, United Kingdom, Poland and 16 other countries the application has been installed.

By country	
<input checked="" type="checkbox"/> All countries	52 (100.0%)
<input checked="" type="checkbox"/> United States	11 (21.2%)
<input checked="" type="checkbox"/> Indonesia	5 (9.6%)
<input checked="" type="checkbox"/> India	4 (7.7%)
<input checked="" type="checkbox"/> Thailand	3 (5.8%)
<input checked="" type="checkbox"/> Malaysia	3 (5.8%)
<input checked="" type="checkbox"/> Peru	2 (3.8%)
<input checked="" type="checkbox"/> Poland	2 (3.8%)
<input checked="" type="checkbox"/> Mexico	2 (3.8%)
<input checked="" type="checkbox"/> United Kingdom	2 (3.8%)
<input checked="" type="checkbox"/> Myanmar (Burma)	1 (1.9%)
<input checked="" type="checkbox"/> Other	17 (32.7%)