

A 17 ELEMENT VHF/UHF LOG PERIOD DIPOLE ARRAY ANTENNA

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ABSTRACT

Amateur radio antenna is always a favorite among the engineers and the hobbyist especially with the log periodic dipole array antenna

• In a nutshell, the aim and the objectives that form the requirement for this project are fully achieved.

A 17 elements VHF/UHF log periodic dipole array antenna is built. The antenna has the ability to support the frequency ranges from 144-148MHz and 430-440MHz. The value of SWR is no more than 1.5. Other than that, the gain is more than 7-10 dBi and rated at 200W.