A Modified Omnidirectional Bi-Conical Broad Band Antenna for VHF and UHF Range

Abstract

In the proposed design proposed a novel bi-conical antenna that is use for VHF as well as UHF range. The proposed antenna shows a wide band and cover VHF and UHF ranges whose frequencies is between 30 to above 310 MHz. The range of proposed design cover the television and radio communication range. Also shows the good result in terms of return loss that is (S-11) -52.27 dB as well as VSWR that is 1.02 and important parameter is percentage bandwidth is 142.85%. The proposed design shows good result as compared to other previous method's results on the basis of basic of different antenna parameters such as VSWR, Return Loss and bandwidth

References


C-Mean with ROI Detection”, International Conference on Electrical, Electronics, Computers,
Communication, Mechanical and Computing (EECCMC), IEEE Conference 2018 (Accepted).
26-28 (Jan 2018).
17. Shachi Sharma and Pranay Yadav, “SAR Image Object Detection Based on Fuzzy C
-means with ROI detection ”, International Conference on Electrical, Electronics, Computers,
2015.
Unsymmetric Trimmed Median Mean Filter for FVIN” in PARK College of Engineering and
Technology, Coimbatore-641659, Tamilnadu, India. IEEE International Conference on
Computational Intelligence and Computing. 17 – 19 Dec. 2014
Improved Trimmed Mean Median Filter” in PARK College of Engineering and Technology,
Coimbatore-641659, Tamilnadu, India. International Conference on Computational Intelligence
Structure for Next Generation Super High Speed Communication using TDLTE and Wi-Max”
accepted for publication in Studie in Big Data, Springer Book Chapter (Web of Science) 2017.

Index Terms

Computer Science

Communications

Keywords

Return loss (S-11), VSWR, UHF and VHF ranges.