

AN EXPERIMENTAL APPROACH OF WIRELESS POLLUTION CONTROL

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ABSTRACT

Modern life put us in contact with a large number of poisons and pollutants. There is noise pollution, air pollution, chemical pollution and many others. One of them, however, is totally invisible and undetectable to humans: that is electromagnetic pollution. There are many different types of electromagnetic waves. The most familiar to us is light but other members of this class are: radio waves, microwaves, ultraviolet light (UV), gamma radiation, infrared and others. Mobile phones use the microwave and radio wave regions of the spectrum. The heating effect of microwaves is well known (microwave ovens) and it has been proved experimentally that the microwave power emitted by a typical handset can heat up water to a small extent (different handsets emit different levels of power, and that information should be available to customers). It is not a very pronounced effect. Since this paper gives an novel idea of controlling the pollutions of the microwave and converting them into electricity which is given to hand tree in purification of CO_2 , the measurement of microwaves get detected and if it exceeds the level which will be harmful then they get absorbed. Sensors which helps in passing signals to turn on the absorber. The model gets placed at the peak place where automobiles are congested for a long time.

KEYWORDS: Microwave Absorber, Sensors, CO_2 Purifier, Rectenna, Hand Tree