**CONFORMAL OMNI DIRECTIONAL ANTENNA FOR GPS APPLICATIONS**

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ABSTRACT

In this paper, design of an omnidirectional antenna using directional antennas is proposed at L2 band(1.2268GHz.) for GPS applications. The Omni directional pattern is obtained using directional antennas by arranging them in such a way that their far field patterns interfere constructively and create an Omni directional pattern. To validate our design proposal Omni directional antenna is designed using directional antennas in simulation tool. The simulated results are observed, which illustrates good performance of proposed antenna. Bandwidth obtained for designed antenna is 45.4MHz