Analysis of Hexagon Shaped Ultra Wide Band Antennas

Abstract

A hexagonal ultra wide antenna has been studied. First, the antenna has been fed at the base of the hexagon. Further the dimensions of the hexagon have been reduced and their effect has been studied. Next, the hexagon has been fed at one of its vertices and the effect of change in dimensions has been observed. An optimum bandwidth of 14 GHz has been obtained for both feed locations. Lastly, it has been observed that by changing the strip position along the base of the hexagon, a higher bandwidth of around 14.5 GHz has been obtained.

References

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Index Terms

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Keywords

Ultra Wide-band Micro Strip Antenna  Planar Monopole Antenna  Hexagon Ultra Wide
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