Abstract

In the smart antenna system, the commonly used Antenna arrays are broadside array, and end fire array. They adapt to radiate their own beam patterns. The antenna arrays with different arrangements may produce the diverse radiation properties. The overall radiation pattern of an array is determined by array factor combined with the radiation pattern of the antenna element. The overall radiation pattern results in a certain directivity and different lobes with different number of elements. Thus in this paper analysis is made on the effect of number of elements on broadside array and end fire array. And the comparative conclusions are drawn

References

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**Index Terms**

Computer Science                      Wireless Communications

**Keywords**

Directivity  Broadside Array  End Fire Array  Radiation Pattern