



Fig. 12 Frequency characteristics of axis ratio of circular polarization.

(4) Axis ratio

The frequency characteristics of axis ratio is shown in Fig. 12.

The axis ratio of circular polarization is smaller than 3 dB between 9.1 ~ 11.3 GHz. And frequency band is not narrow but wide enough for practical use.

5 Conclusion

A configuration of routing wires for circular polarization array antenna was presented in this paper. The configuration of routing wire was simplified to reduce the length of transmission line. However the result of frequency characteristics of input impedance was not wide but narrow against the array antenna with multiple antennas. This simplified configuration was found not applicable to practical array antenna systems.

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