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Low-cost circularly polarized millimeter-wave antenna using 3D additive manufacturing

Al-Alem, Yazan; Sifat, Syed M.; Antar, Yahia M. M.; Kishk, Ahmed A.; Freundorfer, Alois P.; Xiao, Gaozhi

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structure that can be fabricated in any modest fabrication facility. The feed does not require any
plated vias, which tremendously simplifies the fabrication process and lowers the cost. The feed
is very well suited for integration with integrated circuit transceiver systems. The proposed
structure does not require any feeding network design. Hence, it relaxes the design process and
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