

# Abstracts

## Ka-Band MMIC Beam Steered Planar Array Feed

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*D. Rascoe, R. Crist, A.L. Riley, T. Cooley, L. Duffy, D. Antsos, V. Lubecke, W. Chew, K.S. Yngvesson and D.H. Schaubert. "Ka-Band MMIC Beam Steered Planar Array Feed." 1990 MTT-S International Microwave Symposium Digest 90.2 (1990 Vol. II [MWSYM]): 809-812.*

A 32 GHz, twenty-one element array feed incorporating 63 MMIC devices and providing electronic beam steering using 21 VLSI silicon control chips is under development at JPL. The design improves on our earlier experience using a novel "building block" approach to construct a six element linear transmit array. The final array feed design is to be used for NASA deep space communications applications.

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