Abstracts

2-D mechanical beam steering antenna fabricated using MEMS technology

Chang-Wook Baek, Seunghyun Song, Changyul Cheon, Yong-Kweon Kim and Youngwoo Kwon. "2-D mechanical beam steering antenna fabricated using MEMS technology." 2001 MTT-S International Microwave Symposium Digest 01.1 (2001 Vol. I [MWSYM]): 211-214 vol.1.

A mechanical beam steering antenna capable of beam steering with two degrees of freedom is proposed and fabricated using MEMS technology. The V-band antenna element is implemented on the polymer platform which is capable of rotation with two degrees of freedom so that the beam can be directed to any desired direction. Radiation pattern of the fabricated antenna was measured and was in good agreement with the simulation results.

❑ Return to main document.