

Abstracts

A Microwaver Powered, Long Duration, High Altitude Platform

W.C. Brown. "A Microwaver Powered, Long Duration, High Altitude Platform." 1986 MTT-S International Microwave Symposium Digest 86.1 (1986 [MWSYM]): 507-510.

A complete microwave power transmission system for a long-endurance, high-altitude (60,000 ft.) airship is described. The system includes an electronically steerable, active phased-array consisting of thousands of identical radiating modules to beam the power, and a light weight, thin-film rectenna mounted on the underside of the airship to absorb and rectifying the incoming microwave power. Application to an airplane is also discussed.

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