

A Conical Beam Ship Array Antenna with Infinitely Variable Control of the Elevation Angle

H. Forster, H.H. Mattes and A. Schrott. "A Conical Beam Ship Array Antenna with Infinitely Variable Control of the Elevation Angle." 1974 S-MTT International Microwave Symposium Digest of Technical Papers 74.1 (1974 [MWSYM]): 17-20.

Studies on a ship terminal for a maritime satellite system have shown that a shipboard antenna with a 6-8 dB gain would have an optimum in costs. Therefore the DFVLR - Institut für Flugfunk und Mikrowellen decided to design an experimental shipboard antenna system meeting these datas. The first model of the antenna system was tested by the ESRO-Balloon-Simulation-Experiment during Sept./Oct. 1973 in the English Channel.

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