

## Main Transmit and Receive Station in Japanese BSE Program

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The Japanese Medium-scale Broadcasting Satellite for Experimental Purpose (BSE) was launched successfully in April, 1978 and placed on the geostationary orbit of longitude 110 deg. E.. After the spacecraft initial performance check-up on orbit made by the National Space Development Agency of Japan (NASDA), the various broadcasting experiments were started in July, 1978, and will be conducted for about three years by the Radio Research Laboratories (RRL) of Ministry of Posts and Telecommunications (MOPT) and the Japan Broadcasting Corporation (NHK) in close cooperation with NASDA. The MTRS was installed as the key station for the BSE experiments and has been operating satisfactorily. In this paper are reported the system configuration, functions and characteristics of MTRS together with a brief description of the total experimental system in Japanese BSE program.

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