

**A Study of Improvement Method of Receiving Environment of One-segment
Broadcasting in Train Cabin**

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To improve the reception quality of the one-segment broadcasting in the train cabin, we have proposed a passive retransmission method and a weak radio retransmission method to retransmit the broadcast wave received onboard, and we have shown that our proposed methods are effective by the simulation and field test. Moreover, we have proposed specifications and position of the antenna effective for implementing our proposed method.