Development of Pre-test for Electromagnetic Emission from Traction Inverters on Railway Vehicles Satoru HATSUKADE EMC compliance tests for confirming no interference to railway signaling systems are becoming more important in manufacturing railway vehicles. This paper describes a pre-test for verifying radiative emission from traction systems on railway vehicles. First, the paper derives a simple calculation model of interference between traction systems and beacons used in railway signals. Next, the paper shows the experimental validations performed at combined-tests and with completed vehicles, which indicate the usefulness of the derived model. Lastly, the paper shows the result of applying the proposed pre-test to an actual DC railcar.