Abstracts

Instrument Landing System Performance Prediction

G. Chin, L. Jordan, D. Kahn and S. Morin. "Instrument Landing System Performance Prediction." 1975 MTT-S International Microwave Symposium Digest of Technical Papers 75.1 (1975 [MWSYM]): 346-348.

An electromagnetic scattering model has been developed for predicting Instrument Landing System (ILS) localizer and glide slope performance. The model is used to predict course structure degradation resulting from a change in the airport environment. Such changes include the addition of new hangars, terminal buildings and control towers as well as terrain modifications. In addition, the model is used to predict comparative ILS antenna array performance in order to help determine which ILS system is required for new runway instrumentation and for the upgrading of existing instrumented runways to a higher FAA category.

❑ Return to main document.