Record Nr. UNISA996574958203316 149-2021 - IEEE Recommended Practice for Antenna Measurements / / Titolo Institute of Electrical and Electronics Engineers Pubbl/distr/stampa [Place of publication not identified]:,: IEEE,, 2022 **ISBN** 1-5044-8017-1 Descrizione fisica 1 online resource (207 pages) Disciplina 537 Soggetti Electromagnetism Electromagnetic theory Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Sommario/riassunto The recommended practices for the measurement of antenna transmitting and receiving properties are presented. Throughout this standard it is assumed that the antenna to be measured can be treated as a passive, linear, and reciprocal device. A fundamental property of any antenna is its radiation pattern. The measurement of radiation patterns in an antenna test facility is discussed. The design of antenna test facilities is described along with instrumentation requirements for the proper operation of the antenna facility, directions for the evaluation of an (existing) range, and the operation of ranges is discussed. References are provided that are illustrative of measurement techniques and in which details may be found.