Record Nr. UNINA9911015961903321 Autore Wang Wenxiang **Titolo** High-Power Microwave Measurement / / by Wenxiang Wang, Lingna Yue, Yanyu Wei Singapore:,: Springer Nature Singapore:,: Imprint: Springer,, 2025 Pubbl/distr/stampa **ISBN** 981-9677-63-7 Edizione [1st ed. 2025.] 1 online resource (360 pages) Descrizione fisica Altri autori (Persone) YueLingna WeiYanyu Disciplina 621 Soggetti **Physics Telecommunication** Measurement Measuring instruments Applied and Technical Physics Microwaves, RF Engineering and Optical Communications Measurement Science and Instrumentation Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di contenuto Overview -- Power Measurements of High-Power Microwave of Continuous Wave and continuous Pulsed Waves -- Radiation Field Measurement of High-Power Microwave Power -- Coupling Field Measurement of High-Power Microwave Power -- Other Electromagnetic-Effects Used in High-Power Microwave Power Measurement -- Mode-Field Measurement of High-Power Microwave Modes -- Mode-Spectrum Measurement of High-Power Microwave Modes -- Frequency Measurement of High-Power Microwave. This book highlights a systematic introduction to the fundamentals and Sommario/riassunto applications of high-power microwave measurement. The book conducts in-depth discussion of the measurement principles. theoretical basis, and measurement methods for the power, frequency, and modes of high-power microwaves. It covers a wide range of applications and comprehensively summarizes latest research advances from global scientists and the authors' team. The book can be used as

a handy reference for researchers and engineers who are engaged in

the research and practice of high-power microwaves. It can also be used as lecture notes for university professors and graduate students of related courses.