



## Geolocation of RF Signals

By Proгри, Ilir

Condition: New. Publisher/Verlag: Springer, Berlin | Principles and Simulations | This reference work is aimed for academic researchers, graduate students and engineers in the RF field interested in designing, developing and deploying RF geolocation systems. Topics include section RF signals, geolocation techniques, position navigation and timing, GPS, GNSS, and more. | Geolocation of RF Signals-Principles and Simulations offers an overview of the best practices and innovative techniques in the art and science of geolocation over the last twenty years. It covers all research and development aspects including theoretical analysis, RF signals, geolocation techniques, key block diagrams, and practical principle simulation examples in the frequency band from 100 MHz to 18 GHz or even 60 GHz. Starting with RF signals, the book progressively examines various signal bands - such as VLF, LF, MF, HF, VHF, UHF, L, S, C, X, Ku, and, K and the corresponding geolocation requirements per band and per application - to achieve required performance objectives of up to 0° precision. Part II follows a step-by-step approach of RF geolocation techniques and concludes with notes on state-of-the-art geolocation designs as well as advanced features found in signal generator instruments. Drawing upon years of practical experience and using numerous examples...

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