



Spectrum and Network Measurements (Electromagnetics and Radar)

By Robert A. Witte

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This new edition of *Spectrum and Network Measurements* enables readers to understand the basic theory, relate it to measured results, and apply it when creating new designs.

This comprehensive treatment of frequency domain measurements successfully consolidates all the pertinent theory into one text. It covers the theory and practice of spectrum and network measurements in electronic systems. It also provides thorough coverage of Fourier analysis, transmission lines, intermodulation distortion, signal-to-noise ratio and S-parameters.

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Editorial Review

Review

"This book would have been a great help when I was just starting out my career as an EMC engineer. Now that many of the products my clients are working on include high speed digital serial data and various wireless protocols, this new update becomes even more valuable. Highly recommended." (Ken Wyatt, Sr. EMC Engr)

"Obviously, this one book cannot cover all the history and engineering details related to RF/microwave spectrum and network measurements; but it is an excellent starting place. And it includes many helpful hints, such as the use of different components, such as power dividers/combiners and attenuators for improving return loss and other parameters related to enhancing measurement accuracy." (Jack Browne, Technical Contributor)

About the Author

Robert A. Witte has spent his entire career in the electronic measurement industry, working first for Hewlett-Packard, then Agilent Technologies and Keysight Technologies. He has contributed to the development of spectrum analysers, network analysers and digital oscilloscopes and has two patents relating to that work. He has worked in a broad collection of technologies, including analog/RF circuits, digital circuits and software design at a number of HP/Agilent locations.

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