

1. Record Nr.	UNINA9911006987803321
Autore	Tsui James <1935->
Titolo	Digital techniques for wideband receivers / / James B. Tsui
Pubbl/distr/stampa	Raleigh, N.C., : SciTech Pub., c2004
ISBN	1-61353-133-8 1-59124-800-0
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (608 p.)
Collana	SciTech radar and defense series
Disciplina	621.382
Soggetti	Broadband communication systems Signal processing - Digital techniques Wireless communication systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Corrected reprint. Originally published: Boston : Artech House, 2001.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Contents; Preface; Chapter 1. Introduction; Chapter 2. Requirements and Characteristics of Electronic Warfare Receivers; Chapter 3. Fourier Transform and Convolution; Chapter 4. Discrete Fourier Transform; Chapter 5. Fourier Transform-Related Operations; Chapter 6. Analog-to-Digital Converters; Chapter 7. Amplifier and Analog-to-Digital Converter Interface; Chapter 8. Frequency Downconverters; Chapter 9. Sensitivity and Detection Problems; Chapter 10. Phase Measurements and Zero Crossings; Chapter 11. Frequency Channelization; Chapter 12. Monobit Receiver Chapter 13. Processing Methods Mter Frequency Channelization Chapter 14. High-Resolution Spectrum Estimation; Chapter 15. Angle of Arrival Measurements; Chapter 16. Receiver Tests; Glossary; About the Author; Index
Sommario/riassunto	This updated second edition of Digital Techniques for Wideband Receivers is a current, comprehensive design guide for your digital processing work with today's complex receiver systems. Brand new material brings you up-to-date with the latest information on wideband electronic warfare receivers, the ADC testing procedure, frequency channelization and decoding schemes, and the operation of monobit receivers. The book shows you how to effectively evaluate ADCs, offers insight on building electronic warfare receivers, and

describes zero crossing techniques that are critical to new receiver design

---