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Sommario/riassunto

This resource provides a comprehensive treatment of the methods, analysis, and practice of impulse and ultrawideband (UWB) systems. Sources, antennas, propagation, electromagnetic theory, and actual practical systems are explored. This book provides novel perspective on impulse and short-pulse wireless engineering along with practical guidance on how to build antennas and radio hardware for high-power impulse signals. Theoretical and experimental results in the time-frequency domain are presented.n nThe book explains and discusses the scattering of UWB electromagnetic pulses by conducting and dielectric objects. Impulse responses of objects and propagation channels are explored with details of signal models and their spectral characteristics and uses of regularization of a Kramers-Kroning type

	relation for estimating transfer functions. Readers gain insight into the development of high-power sources of UWB radiation with megavolt effective potential on the base of combined antenna arrays excited with bipolar voltage pulses. This in-depth volume includes chapters on receiving antennas, transmitting antennas, and antenna arrays along with details on high-power UWB radiation sources as well as problem sets.

2.

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Autore	B. G (Bernard Garter)
Titolo	A newyeares gifte [[electronic resource]] : dedicated to the Popes Holinesse, and all Catholikes addicted to the Sea of Rome: preferred the first day of Ianuarie, in the yeare of our Lorde God, after the course and computation of the Romanistes, one thousand, fiue hundreth, seauentie and nine, by B.G. citizen of London: in recompence of diuers singular and inestimable reliques, of late sent by the said Popes Holinesse into England, the true figures and representations whereof, are heereafter in their places dilated
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