1. Record Nr. UNINA9910792999903321

Autore	Zafirovski Milan <1958->
Titolo	Identifying a free society : conditions and indicators / / by Milan Zafirovski
Pubbl/distr/stampa	Boston : , : Brill, , [2017]
ISBN	90-04-34733-X
Descrizione fisica	1 online resource (474 pages) : illustrations, tables
Collana	Studies in critical social sciences ; ; 107
Disciplina	306
Soggetti	Social history - 21st century Liberalism Culture Democracy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction: Modern Free Society -- The Political Condition and Indicator of Modern Free Society—Democracy -- Sources and Grounds for Democracy Estimates -- The Economic Condition and Indicator of Modern Free Society—A Free Economy -- Sources and Grounds for Free Economy Estimates -- The Cultural Condition and Indicator of Modern Free Society—A Free Culture -- Sources and Grounds for Free Culture Estimates -- The Civic Condition and Indicator of Modern Free Society—A Free Civil Society -- Sources and Grounds for Free Civil Society Estimates -- Summary and Conclusion.
Sommario/riassunto	In Identifying a Free Society Milan Zafirovski offers a holistic sociological approach to modern free society as a total social system. The book examines the main conditions and indicators of modern free society such as democracy, a free economy, a free culture, and a free civil society, hence political, economic, cultural, and individual liberty entwined with equality and justice. It provides specific and aggregate free-society estimates for Western and related societies based on a variety of objective rankings, data, and reports. On the basis of these estimates, the book identifies liberal societies as the freest as a whole, and their anti-liberal opposites as the most unfree.

2. Record Nr. UNINA9911020334603321

Autore	Chang Kai <1948->
Titolo	RF and microwave wireless systems / / Kai Chang
Pubbl/distr/stampa	New York, : Wiley, 2000
ISBN	9786610272723 9781280272721 1280272724 9780470311806 0470311800 9780471463870 0471463876 9780471224327 0471224324
Edizione	[1st edition]
Descrizione fisica	1 online resource (361 p.)
Collana	Wiley series in microwave and optical engineering
Disciplina	621.38415 621.38456
Soggetti	Wireless communication systems Mobile communication systems Microwave communication systems Radio frequency
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"A Wiley-Interscience publication."
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Contents; Preface; Acronyms; 1 Introduction; 1.1 Brief History of RF and Microwave Wireless Systems; 1.2 Frequency Spectrums; 1.3 Wireless Applications; 1.4 A Simple System Example; 1.5 Organization of This Book; 2 Review of Waves and Transmission Lines; 2.1 Introduction; 2.2 Wave Propagation; 2.3 Transmission Line Equation; 2.4 Reflection, Transmission, and Impedance for a Terminated Transmission Line; 2.5 Voltage Standing-Wave Ratio; 2.6 Decibels, Insertion Loss, and Return Loss; 2.7 Smith Charts; 2.8 S-Parameters; 2.9 Coaxial Lines; 2.10 Microscript Lines; 2.11 Waveguides 2.12 Lumped Elements2.13 Impedance Matching Networks; Problems; References; 3 Antenna Systems; 3.1 Introduction; 3.2 Isotropic Radiator

and Plane Waves; 3.3 Far-Field Region; 3.4 Antenna Analysis; 3.5 Antenna Characteristics and Parameters; 3.6 Monopole and Dipole Antennas; 3.7 Horn Antennas; 3.8 Parabolic Dish Antennas; 3.9 Microstrip Patch Antennas; 3.10 Antenna Arrays and Phased Arrays; 3.11 Antenna Measurements; Problems; References; 4 Various Components and Their System Parameters; 4.1 Introduction and History; 4.2 Couplers, Hybrids, and Power Dividers/Combiners
4.3 Resonators, Filters, and Multiplexers4.4 Isolators and Circulators; 4.5 Detectors and Mixers; 4.6 Switches, Phase Shifters, and Attenuators; 4.7 Oscillators and Amplifiers; 4.8 Frequency Multipliers and Dividers; Problems; References; 5 Receiver System Parameters; 5.1 Typical Receivers; 5.2 System Considerations; 5.3 Natural Sources of Receiver Noise; 5.4 Receiver Noise Figure and Equivalent Noise Temperature; 5.5 Compression Points, Minimum Detectable Signal, and Dynamic Range; 5.6 Third-Order Intercept Point and Intermodulation; 5.7 Spurious Responses; 5.8 Spurious-Free Dynamic Range ProblemsReferences; 6 Transmitter and Oscillator Systems; 6.1 Transmitter Parameters; 6.2 Transmitter Noise; 6.3 Frequency Stability and Spurious Signals; 6.4 Frequency Tuning, Output Power, and Efficiency; 6.5 Intermodulation; 6.6 Crystal Reference Oscillators; 6.7 Phase-Locked Oscillators; 6.8 Frequency Synthesizers; Problems; References; 7 Radar and Sensor Systems; 7.1 Introduction and Classifications; 7.2 Radar Equation; 7.3 Radar Equation Including Pulse Integration and System Losses; 7.4 Radar Cross Section; 7.5 Pulse Radar; 7.6 Continuous-Wave or Doppler Radar
7.7 Frequency-Modulated Continuous-Wave Radar7.8 Direction Finding and Tracking; 7.9 Moving-Target Indication and Pulse Doppler Radar; 7.10 Synthetic Aperture Radar; 7.11 Practical Radar Examples; Problems; References; 8 Wireless Communication Systems; 8.1 Introduction; 8.2 Friis Transmission Equation; 8.3 Space Loss; 8.4 Link Equation and Link Budget; 8.5 Effective Isotropic Radiated Power and G/T Parameters; 8.6 Radio/Microwave Links; 8.7 Satellite Communication Systems; 8.8 Mobile Communication Systems and Wireless Cellular Phones
8.9 Personal Communication Systems and Satellite Personal Communication Systems

Sommario/riassunto

A comprehensive introduction to the hardware, parameters, and architectures of RF/microwave wireless systemsAs the basis for some of the hottest technologies of the new millennium, radio frequency (RF) and microwave wireless systems rapidly propel us toward a future in which the transmission of voice, video, and data communications will be possible anywhere in the world through the use of simple, handheld devices.This book provides scientists and engineers with clear, thorough, up-to-date explanations of all aspects of RF and microwave wireless systems, including general hardwa