

# Model 48m Cassegrain Antenna General Dynamics Satcom Tech 486638

Foundations of Antenna Engineering: A Unified Approach for Line-of-Sight and Multipath Radar for Meteorological and Atmospheric Observations Technical Report - Jet Propulsion Laboratory, California Institute of Technology The Marconi Review Antenna Engineering Handbook, Fourth Edition Scientific and Technical Aerospace Reports IRE Transactions on Antennas and Propagation Comsat Technical Review Advanced Technology in Satellite Communication Antennas Antennas and Propagation Reflector Antenna Analysis and Design Dielectric and Dielectric-Loaded Antennas Technical Report IRE International Convention Record IRE International Convention Record Radar Electronic Counter-countermeasures Journal of the Society of Telegraph Engineers and of Electricians Bibliography of Scientific and Industrial Reports Reflector and Lens Antennas Analysis and Design of Integrated-circuit Horn Antennas for Millimeter and Submillimeter-wave Applications Per-Simon Kildal Shoichiro Fukao Jet Propulsion Laboratory (U.S.) John Volakis Institute of Radio Engineers. Professional Group on Antennas and Propagation Communications Satellite Corporation Takashi Kitsuregawa P. J. Wood Rajeswari Chatterjee New Mexico State University of Agriculture, Engineering, and Science. Engineering Experiment Station Institute of Radio Engineers Stephen L. Johnston Carlyle J. Sletten George V. Eleftheriades Foundations of Antenna Engineering: A Unified Approach for Line-of-Sight and Multipath Radar for Meteorological and Atmospheric Observations Technical Report - Jet Propulsion Laboratory, California Institute of Technology The Marconi Review Antenna Engineering Handbook, Fourth Edition Scientific and Technical Aerospace Reports IRE Transactions on Antennas and Propagation Comsat Technical Review Advanced Technology in Satellite Communication Antennas Antennas and Propagation Reflector Antenna Analysis and Design Dielectric and Dielectric-Loaded Antennas Technical Report IRE International Convention Record IRE International Convention Record Radar Electronic Counter-countermeasures Journal of the Society of Telegraph Engineers and of Electricians Bibliography of Scientific and Industrial Reports Reflector and Lens Antennas Analysis and Design of Integrated-circuit Horn Antennas for Millimeter and Submillimeter-wave Applications *Per-Simon Kildal Shoichiro Fukao Jet Propulsion Laboratory (U.S.) John Volakis Institute of Radio Engineers. Professional Group on Antennas and Propagation Communications Satellite Corporation Takashi Kitsuregawa P. J. Wood Rajeswari Chatterjee New Mexico State University of Agriculture, Engineering, and Science. Engineering Experiment Station Institute of Radio Engineers Stephen L. Johnston Carlyle J. Sletten George V. Eleftheriades*

this is the first textbook that contains a holistic treatment of antennas both for traditional antennas mounted on masts line of sight antenna systems and for small antennas used on modern wireless devices such as smart phones being subject to signal variations fading due to multipath propagation the focus is on characterization as well as describing classical antennas by modern complex vector

theory thereby linking together many disciplines such as electromagnetic theory classical antenna theory wave propagation and antenna system performance overall this book represents a rethinking of the way basic antenna theory is presented the book contains many references to important old and new papers and books on the analysis and design of the most useful antenna types for the most interested readers

epoch making progress in meteorology and atmospheric science has always been hastened by the development of advanced observational technologies in particular radar technology this technology depends on a wide range of sciences involving diverse disciplines from electrical engineering and electronics to computer sciences and atmospheric physics meteorological radar and atmospheric radar each has a different history and has been developed independently particular radar activities have been conducted within their own communities although the technology of these radars draws upon many common fields until now the interrelatedness and interdisciplinary nature of the research fields have not been consistently discussed in one volume containing fundamental theories observational methods and results this book is by two authors who with long careers in the two fields one in academia and the other in industry are ideal partners for writing on the comprehensive science and technology of radars for meteorological and atmospheric observations

the bible of antenna engineering fully updated to provide state of the art coverage in antenna design and applications edited by john l volakis one of the world s leading authorities in antenna engineering this trusted resource covers all the classic antenna types plus many new types and designs used in communications systems satellites radars and emerging applications from wlan to automotive systems to biomedical to smart antennas you will also find expert discussion of topics critical to successful antenna design and engineering such as measurement techniques and computational methods a materials guide wave propagation basics microwave circuits and matching techniques as well as diversity and mimo propagation models frequency selective surfaces and metamaterials packed with 1 500 illustrations the 4th edition of antenna engineering handbook presents step by step guidance on most antennas modern and classic 59 chapters with 21 new chapters and 38 fully updated chapters from the previous edition contributions from over 80 well known antenna experts full color insert illustrating many commercial and military antennas get quick access to all of today s cutting edge antennas printed and conformal antennas wideband patch antennas wideband arrays leaky wave antennas ebg antennas uwb antennas and arrays portable tv antennas reconfigurable antennas active antennas millimeter wave and terahertz antennas fractal antennas handset and terminal antennas biomedical antennas ecm and esm antennas dielectric resonator antennas lens antennas radiometer antennas satellite antennas reflector and earth station antennas and dozens more

from the experts at the antenna section of mitsubishi electric corporation comes this practical reference that details design and analysis methods mechanical design and product assurance the only sourcebook to cover every aspect of satellite communication antenna technology this is the first comprehensive book on multireflector antennas based on beam mode theory

a comprehensive survey of research on dielectric and dielectric loaded antennas providing a critical review of work carried out over the past thirty five years covers a wide range of antenna shapes types and practical applications at microwave and millimetre wave frequencies

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