

1. Record Nr.	UNINA9910457218303321
Titolo	Communication satellites for the 70's [[electronic resource] ] : technology : a collection of technical papers / / edited by Nathaniel E. Feldman [and] Charles M. Kelly
Pubbl/distr/stampa	Cambridge, : MIT Press, [1971]
ISBN	1-60086-499-6 1-60086-280-2
Descrizione fisica	1 online resource (638 p.)
Collana	Progress in astronautics and aeronautics ; ; v. 25
Altri autori (Persone)	FeldmanNathaniel E. <1925-> KellyCharles M <1922-> (Charles Matthias)
Disciplina	621.38/0422
Soggetti	Artificial satellites in telecommunication Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	""Cover ""; ""Title""; ""Copyright""; ""Contents""; ""Preface""; ""Editorial Committee for Volume 25""; ""I.Satellite Transponders""; ""Latest Advances in Space Traveling-Wave Tubes""; ""Spacecraft S-Band 10- 100 WRF Amplifier Tubes""; ""Large Population Orbital Experience with Long-Life Traveling Wave Tubes""; ""A New Approach to RF Multiplexer Design for Use in Communications Satellites""; ""II. Spacecraft Subsystems""; ""TACSAT I Nutation Dynamics""; ""Three-Axis Attitude Control of a Synchronous Communications Satellite""; ""Development of a Nonsliding, Rotary, Electrical Contact"" ""Despin Bearing Technology and Applications for Communications Satellites""""Thermal Analysis and Control of the Air Force Tactical Communications Satellite""; ""An Advanced Horizon Sensor for Synchronous Altitude 3-Axis Stabilized Satellites""; ""Visible Light Sensors for Circular, Near-Equatorial Orbits""; ""Self-Contained Control of Synchronous Orbits""; ""Lincoln Experimental Satellite (LES-6) Solar Cell Degradation Experiment""; ""III. Spacecraft Antennas""; ""A Mechanically Despun Antenna for the Skynet (IDCSP/A) Communications Satellite"" ""Variable-Coverage Communications Antenna for LES-7""""Data Relay Satellite Phased Array""; ""Sidelobe Suppression Techniques for

Reflector Antennas on Satellites"; "IV. High-Power Transmission";  
"Power Sources, Transfer, and Conditioning for High-Power  
Communication Satellites"; "High Power Transmitters for Space";  
"Aerial RF Noise Measurement in Urban Areas at UHF Frequencies";  
"Frequency Sharing between FM and AM-VSB Television Transmission  
Systems"; "Low Cost ETV Satellite Receivers"; "Oriented Flexible  
Rolled-Dp Solar Array"; "V. Integration and Testing"  
"Integration and Testing of the Defense Satellite Communication  
System Phase II Satellite"; "Satellite Communications Testing"; "VI.  
Launch Vehicles"; "Capabilities of the Titan Family for  
Communications Satellite Delivery"; "Launch Vehicle Utilization in  
Comsat's Programs"; "VII. Digital Techniques"; "Multiple-Access and  
Demand-Assignment Techniques"; "Modulation, Synchronization, and  
Coding in Digital Satellite Communication"; "VIII. Earth Stations";  
"Commercial Communication Satellite Earth Stationsa€?Past, Present,  
and Future"  
"Earth Station Radiation Diagrams with Respect to Interference  
Isolation Capability: A Comparative Evaluation"; "Low-Noise, Wideband,  
Uncooled Preamplifier"; "The Spade Concept Applied to a Network of  
Large and Small Earth Stations"; "The Terrestrial Interface at SPADE  
Terminals"; "United Kingdom Satellite Command and Control Facility";  
"The TATS Master a€? A Net Controller for Tactical Satellite  
Communications"; "Index to Contributors to Volume 25"; "A"; "B";  
"C"; "D"; "F"; "G"; "H"; "J"; "K"; "L"; "M"; "N"; "P"; "R";  
"S"; "T"; "W"

---