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Autore	Penn William <1644-1718.>
Titolo	A letter from William Penn proprietary and governour of Pennsylvania in America [[electronic resource]] : To the Committee of the Free Society of Traders of that province, residing in London. Containing a general description of the said province, its soil, air, water, seasons and produce, both natural and artificial, and the good encrease thereof. Of the natives or aborigines, their language, customs and manners, diet, houses or wigwams, liberality, easie way of living, physick, burial, religion, sacrifices and cantico, festivals, government, and their order in council upon treaties for land, &c. their justice upon evil doers. Of the first planters, the Dutch, &c. and the present condition and settlement of the said province, and courts of justice, &c. To which is added, an account of the city of Philadelphia newly laid out. Its scituation between two navigable rivers, Delaware and Skulkill, with a portraiture oor plat-form thereof, wherein the purchasers lots are distinguished by certain numbers inserted. And the prosperous and advantageous settlements of the Society aforesaid, within the
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Nota di contenuto	Cover -- Title Page -- Copyright Page -- Contents -- Preface -- Acknowledgments -- Chapter 1 LEO Satellite Ground Station Design Concepts -- 1.1 An Overview of LEO Satellites -- 1.2 Satellite System Architecture -- 1.3 The Satellite Ground Station -- 1.4 Ground Station Subsystems -- 1.4.1 Antennas -- 1.4.2 Low Noise Amplifier -- 1.4.3 Converters -- 1.4.4 Safety System -- 1.5 Downlink Budget -- 1.5.1 Error-Performance -- 1.5.2 Received Signal Power -- 1.5.3 Link Budget Analyses -- 1.6 Figure of Merit and System Noise Temperature -- 1.7 Satellite and Ground Station Geometry -- 1.8 LEO MOST Satellite and Ground Stations -- References -- Chapter 2 Rain Attenuation -- 2.1 Rain Attenuation Concepts -- 2.2 Rain Attenuation for LEO Satellite Ground Station -- 2.3 Rain Attenuation Modeling for LEO Satellite Ground Station -- References -- Chapter 3 Downlink Performance -- 3.1 Downlink Performance Definition -- 3.2 Composite Noise Temperature at LEO Satellite Ground Station -- 3.3 Antenna Noise Temperature at LEO Satellite Ground Station -- 3.4 Downlink Performance-Figure of Merit -- 3.5 Downlink Performance: Signal-to-Noise Ratio (S/N) -- 3.6 Downlink and Uplink Antenna Separation -- 3.7 Desensibilization by Uplink Signal at LEO Satellite Ground Station --

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4.7 Savings on Transmit Power through Designed Horizon Plane at LEO Satellite Ground Stations -- 4.8 Elevation Impact on Signal-to-Noise Density Ratio for LEO Satellite Ground Stations -- References -- Chapter 5 LEO Coverage -- 5.1 LEO Coverage Concept -- 5.2 LEO Coverage Geometry -- 5.3 The Coverage of LEO Satellites at Low Elevation -- 5.4 Coverage Belt -- 5.5 LEO Global Coverage -- 5.6 Constellation's Coverage-Starlink Case -- 5.7 Handover-Takeover Process: Geometrical Interpretation and Confirmation -- References -- Chapter 6 LEOs Sun Synchronization -- 6.1 Orbital Sun Synchronization Concept -- 6.2 Orbital Nodal Regression -- 6.3 LEO Sun Synchronization and Inclination Window -- 6.4 Perigee Deviation under Inclination Window for Sun-Synchronized LEOs -- References -- Chapter 7 Launching Process -- 7.1 Introduction to the Launching Process -- 7.2 Injection Velocity and Apogee Simulation from Low Earth Orbits -- 7.3 Hohmann Coplanar Transfer from Low Earth Orbits -- 7.4 The GEO Altitude Attainment and Inclination Alignment -- 7.4.1 Circularization and the Altitude Attainment -- 7.4.2 Inclination Alignment -- References -- Chapter 8 LEO Satellites for Search and Rescue Services -- 8.1 Introduction to LEO Satellites for Search and Rescue Services -- 8.2 SARSAT System -- 8.2.1 SARSAT Space Segment -- 8.2.2 SARSAT Ground Segment -- 8.2.3 Beacons -- 8.3 Doppler Shift -- 8.4 Local User Terminal (LUT) Simulation for LEO Satellites -- 8.5 Missed Passes for SARSAT System -- 8.6 LEOSAR Versus MEOSAR -- References -- Chapter 9 Interference Aspects -- 9.1 General Interference Aspects -- 9.2 Intermodulation Products -- 9.3 Intermodulation by Uplink Signal at LEO Satellite Ground Stations -- 9.4 Modeling of Interference Caused by Uplink Signal for LEO Satellite Ground Stations -- 9.5 Downlink Adjacent Interference for LEO Satellites.

9.6 Adjacent Satellites Interference (Identification/Avoiding) -- 9.6.1 Adjacent Interference Identification and Duration Interval -- 9.7 Modulation Index Application for Downlink Interference Identification -- 9.7.1 Simulation Approach of Interference Events and Timelines -- 9.8 Uplink Interference Identification for LEO Search and Rescue Satellites -- References -- Chapter 10 Two More Challenges -- 10.1 Introduction to the Two Challenges -- 10.2 Downlink Free Space Loss Compensation -- 10.3 Horizon Plane Width: New Parameter for LEO Satellite Ground Station Geometry -- References -- Chapter 11 Closing Remarks -- References -- Index -- EULA.
