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4.5. Regulation, harmonization, planning; 4.6. Is the spectrum resource scarce?; 4.7. Spectrum sharing: a summary
Chapter 5. Some Regulated Services 5.1. The fixed service; 5.2. Mobile services; 5.3. Broadcasting; 5.4. Satellite services; 5.5. Geo and non-geo systems; 5.6. Some other regulatory services; Chapter 6. Recent Evolutions of Radio Services; 6.1. A family snapshot; 6.2. Enthusiastic telecommunications; 6.3. Hesitant broadcasters; 6.4. The promises of radiolocation; 6.5. Limits of the spectrum planning efficiency; Chapter 7. Regulatory Instruments for Spectrum Sharing; 7.1. Frequency allocation tables; 7.2. Plans; 7.3. Coordination; 7.4. Technical limits
Chapter 8. Frequency Assignment: A Contract 8.1. Contracting parties; 8.2. Common bands and assignments; 8.3. Exclusive bands: preferential sub-bands; 8.4. Assignment procedures; 8.5. External requirements: site constraints; 8.6. Satellite systems; Chapter 9. Spectrum Monitoring; 9.1. Spectrum monitoring technical tools; 9.1.1. HF band monitoring; 9.1.2. Metric and decimetric band monitoring; 9.1.3. Microwave monitoring; 9.1.4. Satellite monitoring; 9.1.5. Mobile monitoring stations; 9.1.6. Airborne monitoring means; 9.2. Radio station inspections: major events
9.3. Claim for interference: legal prosecutions 9.4. "Radio landscape" description; 9.5. Terminals; Part 2. Managers and their Practices; Chapter 10. New Technical Perspectives and Impact on Spectrum Management; 10.1. Spread spectrum technologies; 10.2. OFDM and MIMO; 10.3. Ultra wideband; 10.4. Dynamic spectrum access technologies; 10.5. Software-defined radio; 10.6. Cognitive radio; 10.7. Intersystem control; 10.8. Mesh networks; Chapter 11. The International Telecommunication Union (ITU); 11.1. The ITU today; 11.2. Radio Regulations; 11.2.1. The vocabulary of radiocommunications
11.2.2. Table of frequency allocations

Sommario/riassunto

Radio frequencies have become a basic resource for the development of the information society. In fact, radio waves are a mandatory vehicle in order to carry the message to customers and a truly worldwide communication needs their properties. Given the market demands for more and more frequencies, means have to be found to share this limited resource most effectively and to continuously improve its efficiency. Radio spectrum management is thus a major objective for our modern world. This book describes the current tools for spectrum management with their fundamental technical and legal basis

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