

DSA Global Summit

Spectrum Policies:
Best Practices & Knowledge Sharing

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National Spectrum Policy

- Constructed with the ITU
- Considers Best regulatory Practices
- Identifies Outstanding Problems of use and allocation Drills down to the root cause
- Segments and dimensions the multiple issues
- Addresses the issue with a fitting fiscal or regulatory solution

Spectrum Master Plan

- 10 Year Program (2020-2030)
- Addresses the identified Spectrum Conflicts and issues
- Step-by-step Resolution of said issues
- Identifies potential spectrum dividends from the execution
- Schedules Bids or recommends reallocation for said dividends
- Foresees future regulatory needs
- Schedules a regulatory agenda for spectrum

Spectrum Limits

- Spectrum Limits were discretionary
- The lack of a unified criteria generated asymmetries
- Industry actions like merger and acquisitions of companies and spectrum further deepen these asymmetries.
- Formal regulation was needed
- Spectrum limits were set for all IMT bands
 - Low (Below 1 GHz) 40%
 - Mid-Low (1-3 GHz) 40%
 - Mid-High (3-6 GHz) 40%
 - High (Above 6 GHz) 35%



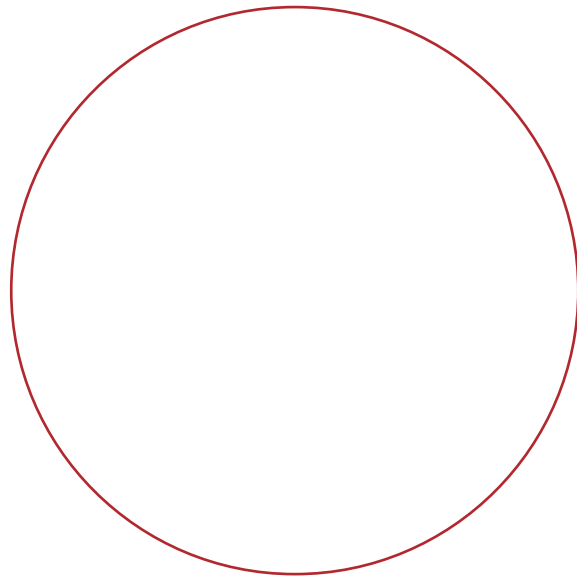
The 6 GHz Band — The Questions

- Allocated 1,200 MHz to Open License (Wi-Fi)
- Consulted:
 - Our Engineers
 - ITU
 - IMT Solution Providers
 - End User hardware providers
 - The Academia
 - Multilateral entities

The 6 GHz Band – The Criteria

- Region 2 Spectrum Harmony
 - Only 2 Countries in the region have done partial allocation of the 6 GHz band
- Trade and Finance:
 - The United States is our main Trading partner
 - Over 2 Million Dominican descendants live in the US
 - Close ties between DR and its diaspora push US devices into our market
- Previous Experience with Mixing Consumer electronics and IMT on the same band
- DR still has available IMT spectrum for 5G
- The Ubiquity of Wi-Fi end user devices available and in the hands of users
- Most IoT technologies use Wi-Fi over Home and Wide area networks
- Closing the Digital Divide:
 - Wi-Fi does not require a monthly fee or a prepaid subscription
 - Development of quick and low-cost rural projects using other alternative technologies





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