



Spectrum Policy & Wireless Innovation in Trinidad and Tobago

Strategic regulatory frameworks for dynamic spectrum access, 5G modernization and island digital inclusion.



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Telecommunications Authority of Trinidad and Tobago (TATT)



“Spectrum policy shapes the future of national digital competitiveness.”

NATIONAL VISION

Vision 2030 & ICT Blueprint



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Spectrum as an Engine for Digital Transformation

Legislative Authority

Telecommunications Act Chap. 47:31 mandates TATT to manage spectrum efficiently.



TTFAT Harmonization

Updated Trinidad and Tobago Frequency Allocation Table aligned with ITU Region 2 and WRC-23 standards.

Continuous improvement of Other Regulatory Framework

Revisions made to existing Spectrum Plans i.e. PMTS, new ones developed i.e., private network based on domestic spectrum requirements.
Development of new Frameworks i.e., ATC based on new and emerging technologies.

Vision 2030 Alignment

National Digital Transformation Strategy drives connectivity for citizens, business, and government.
Trinidad and Tobago's current roadmap to modernize public services and foster a digital economy.
Increasing digital literacy, expanding connectivity, and closing the digital divide.





5G Framework & Strategic Spectrum Pricing



Mid-Band Allocation

3.3–3.8 GHz designated as primary capacity layer for nationwide 5G public networks. Balanced mid-band approach: to support licensed public, private and unlicensed innovation



Tiered Fee Incentives

Fee discounts structured to accelerate capital investment e.g. fees methodology for spectrum re-use.
Other licensing approaches in spectrum management framework i.e., dynamic spectrum sharing, light licensing, licensed shared access.



Spectrum Caps Policy

Guaranteed equitable spectrum access to support three active mobile operators for PMTS and BWA.



TRINIDAD AND TOBAGO A STRONG MID-BAND FOUNDATION

A diversified spectrum portfolio powering connectivity, innovation and national growth.



PUBLIC MOBILE (PMTS):

Strong allocations enabling nationwide 4G/5G services.



BROADBAND & UNLICENSED:

Extensive spectrum for Wi-Fi, FWA and innovative broadband services.



EMERGING SERVICES & AWARDS:

Advancing next-generation networks and satellite connectivity.



Non-Terrestrial Networks (NTN)
Spectrum awards in key bands



5G PMTS Spectrum Awards
Expanding capacity and coverage

SPECIALIZED OPERATIONS:

Supporting vital services and legacy allocations.



Satellite C-Band (FSS):
Global satellite connectivity



Ancillary Terrestrial Component (ATC):
Seamless satellite operations



Legacy Services:
Continued support for essential services



DEDICATED ENTERPRISE SPECTRUM:

Enabling private networks for industry and critical operations.



A future-ready spectrum foundation for a digitally empowered Trinidad and Tobago.

Unlocking Lower 6 GHz for Wi-Fi 6E & Class Licensing

Where to place your Wi-Fi router

Central, elevated and out in the open gives you the strongest signal in every room

optimum



Cutaway view — one router centrally placed covers the whole home evenly.

Get the most from your Optimum internet — optimum.com

Do

- ✓ **Place it centrally**
Middle of the home for even, all-around coverage.
- ✓ **Keep it elevated**
On a shelf or table, a few feet off the floor.
- ✓ **Leave it out in the open**
Open air around it — never in a closet or cabinet.
- ✓ **Stand antennas upright**
Vertical antennas spread the signal outward across the room.

Don't

- ✗ **Tuck it in a corner or basement**
Edges leave far rooms with weak or dead spots.
- ✗ **Box it in behind thick walls or metal**
Concrete, brick and metal appliances block the signal.
- ✗ **Sit it next to interference**
Keep clear of microwaves, cordless phones and TVs.
- ✗ **Place it near water or mirrors**
Fish tanks and large mirrors absorb and reflect Wi-Fi.

BAND AUTHORIZATION

Lower 6 GHz Band (5925–6425 MHz)

Authorized under TATT Class License Regime for high-speed wireless networks.

24 dBm

Class 1 Client Devices

End-user indoor premises equipment power limit.

30 dBm

Class 2 Base Stations

High-capacity outdoor access point power limit.



DYNAMIC SPECTRUM & INCLUSION

Bridging the Digital Divide Across Trinidad & Tobago

TV White Space (TVWS) Geo-Location

Database-driven dynamic access targeting difficult island topography and remote rural areas.

Private 5G Networks in 3.5 GHz

Dedicated localized spectrum for energy sector industrial sites, maritime hubs, and public safety.

Community-Centered Connectivity

License-exempt and shared access frameworks empowering local wireless Internet service providers.





LOOKING AHEAD

Automated Spectrum Management & Regional Spectrum Leadership

Automated Frequency Coordination

Next-gen GIS and geolocation database systems for dynamic spectrum assignment.

Upper 6 GHz Coexistence

Evaluating 6425–7125 MHz based on post WRC-23 outcomes for hybrid 5G-Advanced and Wi-Fi 7.

Island Resilience & PPDR

Harmonized disaster protection spectrum securing critical infrastructure and emergency services.



THANK YOU



TATT's Website



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Trinidad and Tobago