



Schedule A

Public Health and Safety Criteria for Radiocommunication devices in Trinidad and Tobago

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Schedule A – Amateur Licences ONLY

Technical Specifications

The Licensee shall conform to all relevant international standards for the operation of the radiotransmitting equipment used in the provision of the radiocommunication service as specified in the International Telecommunications Union Radio Regulations (ITU-RR).



Schedule A – Broadcast & General Licences ONLY

Public Health and Safety Criteria for Radiocommunication devices in Trinidad and Tobago

- The following benchmarks are applicable to all radiotransmitter arrays operated for the provision of public telecommunications networks or in the provision of public telecommunications services and/ or broadcast services.

Service	Evaluation Required if:
Experimental Radio Services	Power > 100W ERP (164W EIRP)
Multipoint Distribution Services	<u>Non-rooftop antennae:</u> height above ground level to radiation centre < 10m <u>AND</u> power > 1640W EIRP <u>Rooftop Antennae:</u> power 1640W EIRP
Paging and Radio Telecommunications Services (including Cellular – 800MHz)	<u>Non-rooftop antennae:</u> height above ground level to radiation centre < 10m <u>AND</u> total power of all channels > 1000W ERP (1640W EIRP) <u>Rooftop Antennae:</u> total power of all channels > 1000W ERP (1640W EIRP)
Personal Communications Services (1900MHz band and above)	(1) Narrowband: <u>Non-rooftop antennae:</u> height above ground level to radiation centre < 10m <u>AND</u> total power of all channels > 1000W ERP (1640W EIRP) <u>Rooftop Antennae:</u> total power of all channels > 1000W ERP (1640W EIRP) (2) Broadband: <u>Non-rooftop antennae:</u> height above ground level to radiation centre < 10m <u>AND</u> total power of all channels > 2000W ERP (3280W EIRP) <u>Rooftop Antennae:</u> total power of all channels > 2000W ERP (3280W EIRP)
Satellite Communications	Total power of all channels > 1000W ERP (1640W EIRP)
Radio Broadcast Services	Total power of all channels > 1000W ERP (1640W EIRP)

Transmitters, Facilities and Operations are subject to routine environmental evaluation before Authority approval.

- The following health and safety requirements are to be upheld by all Licensees in the operation of authorised radiotransmitting equipment associated with their operations.

Maximum Permissible Exposure (MPE) Limits for Radio-Frequency Radiation (RFR) Power Density

Frequency Range (MHz)	Occupational (Controlled) Limit (mW/cm) ²	General Population (Uncontrolled) Limit (mW/cm) ²
10 – 400	1.0	0.2
400 – 2,000	f/400 (1.0 to 5.0)	f/2000 (0.2 to 1.0)
2,000 – 300,000	5.0	1.0
f = frequency in MHz		

- The licence shall also conform to all relevant Health and Safety Requirements in accordance with the laws of Trinidad and Tobago.