

1. Telecommunication equipment : G/TBT/N/THA/677/Add.2 dated 07 March 2024

Notifying Member	Thailand
Type of Notification	Addendum to Regular Notification
Economic relevance	High “ USD 6.49 Mn”
Technical Relevance	Technical-New

Proposal in brief

- Thailand has proposed to withdraw Notification of the National Broadcasting and Telecommunications Commission on Technical standards for Telecommunication equipment : Radiocommunications equipment used frequency 5.925-6.425 GHz (NBTC TS 1039-2566 (2023)) and replace it with this draft notification (NBTC MT 1039-256X).
- The draft covers technical standards for the frequency spectrum of radio communications equipment using Broadband wireless access technology in the of Radio Local Area Network (RLAN) that is using 5.925-6.425 GHz.

Maximum transmission power (mW)	Maximum power spectral density value (mW/MHz)	Terms of use
250	12.5	Inside the building
25	1.25	Inside the building and outside the building
25	12.5	1) Inside the building and outside the building 2) For radio communications equipment that has The frequency band width is only less than 20 MHz.

- Other technical characteristics of the transmitting and receiving sectors shall be as specified below:
 - FCC Part 15.407:-** Code of federal Regulations (USA); Title 47 Telecommunication; chapter 1 Federal Communications Commission; Part 15 radio Frequency Devices; Subpart E-Unlicensed National Information Infrastructure Devices; 15.407 General technical requirements.
 - ETSI EN 303 687 V1.1.1 or New version:** - 6 GHz WAS/RLAN; Harmonised Standard for access to radio spectrum.
- Safety Requirements: - Electrical Safety Requirements specified below:

1)	IEC 60950-1 :	Information Technology Equipment – Safety – Part 1: General Requirements
2)	TIS 1561 – 2013 : or current edition	Information Technology Equipment - Security Volume 1 General required features
3)	IEC 62368–1 :	Audio/Video, information and Communication technology equipment -Part 1: Safety Requirements
4)	TIS 62368 Volume 1-2020 : or current edition	Audio, video, information technology equipment and Communication Volume 1 Safety Requirements

- In the case where radio communications equipment using frequencies of 5.925-6.425 gigahertz is combined with other products Compliance shall be shown only for that radio communication equipment or use electrical safety standards according to that product.
- Radio Communications equipment that uses the frequency 5.925-6.425 gigahertz that is used as a device.

- Broadcast signal (Access point) with transmitting power greater than 25 mW (e.i.r.p) but not more than 250 mW (e.i.r.p) must not be used battery type electrical power supply.

Analysis

- a. The Commission seeks comment on revision of technical standards in the frequency used in radio communications equipment that uses the frequency 5.925-6.425 GHz to comply with NBTC.1039-256X.