IEEE P802.18  
Radio Regulatory Technical Advisory Group (RR-TAG)

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| Reply liaison statement from ITU-R Working Party 5A related to the work in the frequency range 275 GHz to 450 GHz | | | | |
| Date: 2025-06-08 | | | | |
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Abstract

This document contains a reply liaison statement received from ITU-R Working Party 5A, regarding the Technical and operational characteristics in the frequency range 275 GHz to 450 GHz”.

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| **Radiocommunication Study Groups** | A blue logo with a black background  AI-generated content may be incorrect. |
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| Source: Document 5A/TEMP/85 |  |
| 5 June 2025 |
| English only |
| Working Party 5A | |
| reply liaison statement to Institute of Electrical and Electronics Engineers, Inc. (IEEE) | |
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Working Party 5A (WP 5A) would like to thank IEEE for its liaison statement (Document [5A/255](https://www.itu.int/md/R23-WP5A-C-0255/en) and its attachment) providing the information on updates of the frequency range, bandwidth and modulation scheme.

During its May 2025 meeting, WP 5A carefully analysed the information provided in the attachment within above-mentioned liaison statement and initiated work on a revision of Report [ITU-R M.2417](https://www.itu.int/pub/R-REP-M.2417), “Technical and operational characteristics of land mobile service applications in the frequency range 275-450 GHz”.

Based on this review, WP 5A kindly requests clarification from IEEE on the following issues:

– The principle behind the specified values for the Antenna beamwidth (degree) range and Antenna elevation (degree) for both the CPMS application and the Enhanced CPMS application;

– The principle behind the ranges of Maximum e.i.r.p. density (dBm/GHz) and Maximum device output power (e.i.r.p.) (dBm);

– Figures 8 and 9 are based on IEEE Std 802.15.3dTM-2017. Since IEEE Std 802.15.3TM–2023 has extended the frequency bands up to 450 GHz, WP 5A would appreciate it if IEEE could provide an update on the channel arrangement in the frequency range of 252‑450 GHz in Annex 1.

The next meeting of Working Party 5A is planned for 17-28 November 2025 and the according deadline for submission of contributions is 1600 hours UTC, on 5 November 2025.

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| **Status:** For action. | |
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**Attachments:** Annex 4.1 to Document [5A/274](https://www.itu.int/md/R23-WP5A-C-0274/en). Working document towards a preliminary draft revision of Report ITU‑R M.2417-1 “Technical and operational characteristics of land mobile service applications in the frequency range 275-450 GHz”

