



Bureau of Meteorology Submission to the Australian Communications and Media Authority (ACMA)

Draft Five-year spectrum outlook 2025–30 (FYSO)

April 2025



The Bureau of Meteorology fully supports the Australian Communications and Media Authority's (ACMA) decision to review the 2.5 GHz band spectrum licence technical framework (SLTF), planned for Q2 2025, as outlined in the "Activities Planned for 2025–26" section of the current draft FYSO 2025-2030.

The Bureau has previously raised concerns regarding the necessity of reviewing the 2.5 GHz band SLTF, including during the consultation process for FYSO 2024-2029.

The Bureau's advanced long-range, dual-polarized weather radars, operating within the 2700–2900 MHz frequency band, are crucial for providing accurate and reliable observations, even under extreme weather conditions. Significant investment by the Australian Government has been made in these S-band weather radars to ensure public safety, particularly in regions prone to harsh weather environments.

For these radars to operate effectively, it is essential that they coexist with other spectrum users, including 2500 MHz mobile service transmitters (2500–2570 MHz and 2620–2690 MHz). In some cases, the two systems are positioned only a few hundred meters apart.

The Bureau is committed to actively participating in the review process of the 2.5 GHz SLTF alongside other radio frequency spectrum users.