



November 29, 2022

## RESPONSE TO ACMA CONSULTATION PAPER 36/2022

Dear ACMA team,

The Bureau of Meteorology would like to provide its view and comments regarding the consultation 36/2022 that is related to remaking of instruments, for few frequency bands including 2.5 GHz, spectrum-licenced bands.

This consultation has multiple documents and the Bureau's comment relates to Question 8 that is about following instrument:

- 1- Radiocommunications Advisory Guidelines (Managing Interference from Spectrum Licensed Transmitters – 2.5 GHz Band) 2023.

This instrument specifies the process to managing interference from spectrum licenced band 2.5 GHz on other spectrum users.

The Bureau's comments are related to Part 7 of this document as outlined below:

- 1- Modification of title ITU-R Rec M.1464 to reflect the most appropriate areas that are covered by this recommendation. In bullet point (1) of section 17 (Protection requirements), the correct title of ITU-R Rec M.1464 should be as:
  - (a) ITU-R Recommendation M.1464-42 “Characteristics of **non-meteorological** radiolocation radars, and characteristics and protection criteria for sharing studies for the aeronautical radionavigation and **meteorological** radars in the radiodetermination service operating in the 2700-2900 MHz band” for characteristics for coordination with ground-based **non-meteorological** radars;
- 2- The Bureau would like to thank ACMA for inclusion of Rec's M.1461 and M.1849 that are related to Meteorological radars in the band 2700-2900 MHz.
- 3- The Bureau would also like to propose a new section as bullet point 8 to this document. This section specifies the maximum out-of-band emissions from transmitting stations operating in the spectrum licence band 2.5 GHz on the location of meteorological radar sites. The proposed text to be added to this instrument is as below:

(8) Protection is required for all radiodetermination services receivers operated by the Bureau of Meteorology in the 2700-2900 MHz band. The maximum power flux density limit at the radar site for out-of-band emissions from a station under a spectrum licence in the 2.5 GHz band is -132.9 dBm/MHz/m<sup>2</sup> at the antenna height, at the radar site. Currently there is no RALI describing coordination requirements with Bureau of Meteorology radiodetermination services in the band 2700 to 2900 MHz but such a RALI could be developed in the future.

The Bureau would be happy to discuss the proposed pfd limit with any spectrum stakeholders with interest in that band.

Best Regards

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