



Thailand

PRELIMINARY VIEW ON WRC-15 AGENDA ITEM 1.12

Agenda Item 1.12: “to consider an extension of the current worldwide allocation to the Earth exploration-satellite (active) service in the frequency band 9 300-9 900 MHz by up to 600 MHz within the frequency bands 8 700-9 300 MHz and/or 9 900-10 500 MHz, in accordance with Resolution 651 (WRC-12)”;

Background

Resolution **651 (WRC-12)** invites ITU-R to conduct and complete compatibility studies addressing the EESS (active) and existing services in the frequency bands 8 700-9 300 MHz and 9 900-10 500 MHz, and unwanted emissions from stations operating in the EESS (active) in these bands into stations operating within the frequency bands 8 400-8 500 MHz and 10.6-10.7 GHz.

During the study cycle for WRC-07, studies were performed by ITU-R under WRC-07 agenda item 1.3 to investigate the conditions for the extension of the EESS (active) allocation by 200 MHz above or below the former allocation 9 500-9 800 MHz (prior to WRC-07). Based on the results and conclusions in Report ITU-R RS.2094, WRC-07 decided to extend the allocation to 9 300-9 900 MHz. This was possible because the overall sharing conditions were found to be acceptable if certain conditions are obeyed. These conditions are regulated in RR footnotes Nos. **5.475A**, **5.476A**, **5.477**, **5.478**, **5.478A**, and No. **5.478B** to protect other radio service in countries mentioned in the footnotes.

Space-borne radars operating in the EESS (active) in this band have demonstrated their important contributions to a large number of scientific and geoinformation applications which is also recognized in Resolution **673 (Rev.WRC-12)**.

The growing demand for higher resolution radar pictures raises the need to further increase the bandwidth used for linear FM chirp radar transmission of the next generation of EESS synthetic aperture radars (SAR).

Preliminary View

Thailand supports studies currently undertaken by ITU-R Working Party 7C to have a primary EESS (active) allocation in the frequency band 9 900-10 500 MHz. However, Thailand does not have a strong view to select any method at this moment.