

WRC-27 Agenda Item 1.3

Studies on the use of the 51.4-52.4 GHz band to enable NGSO gateways in the FSS (E-s), in accordance with Resolution 130 (WRC-23)

Overview

The Agenda Item invites to consider studies relating to the use of the frequency band 51.4-52.4 GHz to enable use by gateway earth stations transmitting to non-geostationary-satellite orbit systems in the fixed-satellite service (Earth-to-space), in accordance with Resolution **130 (WRC-23)**.

Background

The need for additional FSS spectrum in the 50 GHz range for non-GSO FSS gateway uplinks was established in response to WRC-19 Agenda item 9.1 issue 9.1.9 in Report ITU-R S.2461. These studies included the need for spectrum for both non-GSO systems and GSO FSS networks.

In response to Res. 162 (WRC-15), WRC-19 allocated 51.4-52.4 GHz to the FSS (Earth-to-space) on a primary basis and adopted No. 5.555C which limited the use of the FSS allocation to geostationary satellite networks.

Key Points

- › The use of this band 51.4-52.4 GHz (E-s) by NGSO FSS gateways would provide more spectrum for non-GSO FSS systems, responding to the growing demand for broadband satellite services.

GSOA Current Status

GSOA will continue to monitor ITU and regional studies/discussions on any possible regulatory framework addressing the terms for both NGSO/GSO and NGSO/NGSO coexistence.

