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| U.S. Radiocommunications SectorFact Sheet |
| **Working Party:** ITU-R WP5C | **Document No:** USWP 5C 31-06 |
| **Ref:** Res. 731 (Rev. WRC-23) WRC-23 [Prov.Fin.Acts](https://www.itu.int/dms_pub/itu-r/opb/act/R-ACT-WRC.15-2023-PDF-E.pdf) p. 412[Chairs of Study Groups 1, 5 and 7](https://www.itu.int/dms_ties/itu-r/md/23/wp1a/c/R23-WP1A-C-0006%21%21MSW-E.docx),STUDIES UNDER RESOLUTION 731 (REV.WRC-23)Consideration of sharing and adjacent-band compatibility between passive and active services above 71 GHz. [Document 1A/6-E](https://www.itu.int/dms_ties/itu-r/md/23/wp1a/c/R23-WP1A-C-0006%21%21MSW-E.docx) | **Date 10 July 2024** |
| Document Title: Proposal on development of the working document towards a preliminary draft report on approaches to spectrum sharing and burden sharing in 71-275 GHz pursuant to Resoluation 731 |
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| **Purpose/Objective:**  To develop a group of sharing approaches that can be evaluated for their potential to both provide new productive uses of spectrum as well as complying with the quantitative passive service protection goals of Res. 731 – originally proposed by USA at WRC-2000 as part of a group of proposals that included most of the passive allocations above 100 GHz. In order to facilitate the future considerations of WP 5A, WP 5C, WP 7C and WP 7D this document will review possible approaches approaches and their characteristics as well as list possible approaches for burden sharing. |
| **Abstract:** In recent years a variety of technical approaches have been raised in the literature for possible implementation of interference-free sharing of passive bands in 100-275 GHzThe proposed document would address 1) need for Fixed Service sharing in 100-275 GHz, 2) possible sharing mechanisms, 3) possible “burden sharing” approaches under Res. 731, and 4) feasibility of an eirp/elevation angle mask that combined with a transmitter density limit would give EESS(p) protection the exceeds the present provisions of ITU-R RS.2017 and RS.1861 |