|  |  |  |
| --- | --- | --- |
| U.S. Radiocommunications Sector  Fact Sheet | | |
| **Working Party:** ITU-R WP 5C | **Document No:** USWP5C-0B | |
| **Ref:** Annex 1.2 and 1.3 of 5C/[152](https://www.itu.int/md/R23-WP5C-C-0152/en) | **Date:** March 8, 2025 | |
| **Document Title:** Elevation of PDNRs ITU-R F.[D-BAND] and F.[W-BAND] | | |
| **Author(s)/Contributors(s):**  Michael Mullinix  CTIA | | Phone: 301-639-7159  Email: mmullinix@ctia.org |
| **Purpose/Objective:** This contribution proposes modifications to WP 5C’s efforts to establish the channel arrangements for the 92 – 174.8 GHz frequency bands. | | |
| **Abstract:** Working Party 5C has been working to finalize two new Recommendations on the use of the existing fixed service allocations in the W and D bands. This contribution will offer the United States’ support to elevate the PDNRs to DNR status. | | |

|  |  |
| --- | --- |
| **Radiocommunication Study Groups** |  |
|  |  |
|  |  |
| Source: Annex 1.2 and 1.3 of 5C/[152](https://www.itu.int/md/R23-WP5C-C-0152/en) | **Document 5C/** |
| **Date** |
| **English only** |
| United States of America | |
| Elevation of PDNRs ITU-R F.[D-BAND] and F.[W-BAND] | |
|  | |

Working Group (WP) 5C has been developing radio frequency channel arrangements for existing primary fixed allocations in the 92 – 174.8 GHz frequency range to support the harmonization of new fixed service applications (see Annexes [1.2](https://www.itu.int/dms_ties/itu-r/md/23/wp5c/c/R23-WP5C-C-0152!N01.02!MSW-E.docx) and [1.3](https://www.itu.int/dms_ties/itu-r/md/23/wp5c/c/R23-WP5C-C-0152!N01.03!MSW-E.docx)). As noted in the WP 5C’s Chair Report, both Preliminary Draft New Recommendations are stable and mature. The United States supports the elevation of these documents to Draft New Recommendation status and to Study Group 5 for approval.

|  |
| --- |
| **Annex** [**1.2**](https://www.itu.int/dms_ties/itu-r/md/23/wp5c/c/R23-WP5C-C-0152!N01.02!MSW-E.docx)– **Preliminary draft new Recommendation ITU-R F.[D-BAND]** |
| **Radio-frequency channel and block arrangements for fixed service systems operating in the 130-134 GHz, 141‑148.5 GHz, 151.5-164 GHz and 167-174.8 GHz ranges** |
| This Recommendation describes channel arrangements in the portions of the frequency range 130.0‑174.8 GHz allocated to the fixed service. The arrangements are based on a 250 MHz basic channel raster from which *N* × 250 MHz channel size can be defined and are proposed for either frequency division duplex (FDD) or time division duplex (TDD) applications. Alternative duplex schemes, such as Flexible Frequency Division Duplex (fFDD) or Full Duplex (FD), are also possible. |

|  |
| --- |
| **Annex** [**1.3**](https://www.itu.int/dms_ties/itu-r/md/23/wp5c/c/R23-WP5C-C-0152!N01.03!MSW-E.docx)– **Preliminary draft new Recommendation ITU-R F.[W-BAND]** |
| **Radio-frequency channel and block arrangements for fixed service systems operating in the 92-94 GHz, 94.1‑100 GHz, 102-109.5 GHz and 111.8‑114.25 GHz ranges** |
| This Recommendation describes channel and block arrangements in the portions of the frequency range 92.0‑114.25 GHz allocated to the fixed service. The arrangements are based on a 250 MHz basic channel raster from which Nx250 MHz channel size can be defined and are proposed for either frequency division duplex (FDD) or time division duplex (TDD) applications. Alternative duplex schemes, such as Flexible Frequency Division Duplex (fFDD) or Full Duplex (FD), are also possible. |

\_\_\_\_\_\_\_\_\_\_\_\_\_\_