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| U.S. Radiocommunications SectorFact Sheet |
| **Working Party:** ITU-R WP-5B | **Document No:** USWP5B33-13 |
| **Ref:** [5B/96 Annex 13](https://www.itu.int/dms_ties/itu-r/md/23/wp5b/c/R23-WP5B-C-0096%21N13%21MSW-E.docx) | **Date:** 15 August 2024 |
| **Document Title:** Update to the working document towards a preliminary draft new Report ITU-R M.[FOD\_EESS\_SHARE] |
| **Author(s)/Contributors(s):** | **Contact** |
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| **Purpose/Objective:** To update the working document towards a draft new Report ITU-R M.[FOD\_EESS\_SHARE] document. This work will continue previous work on coexistence between Foreign Object Detection (FOD) systems operating in the 92-100 GHz band with EESS (passive) service in the 86-92 GHz and the EESS (active) service in the 94-94.1 GHz for radiofrequency interference. Summary of simulation results in section A1-2 will be finalized. |
| **Abstract:** This study provides will provide analyses of possible radiofrequency interference between the Foreign Object Detection (FOD) system placed along runways in the 92-100 GHz band with EESS (passive) in the adjacent band and EESS (active) in the 94-94.1 GHz band. This document contains two dynamic analyses of potential in-band interference to a spaceborne cloud profile radar in EESS (active) and OOB interference to a spaceborne radiometer in EESS (passive) in the 86-92 GHz band from FOD detection systems in the Radiolocation Service to be included in the Report. |

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| **Radiocommunication Study Groups** |  |
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| Source: [5B/96 Annex 13](https://www.itu.int/dms_ties/itu-r/md/23/wp5b/c/R23-WP5B-C-0096%21N13%21MSW-E.docx)Subject: Report ITU-R M.[FOD\_EESS\_SHARE] | **Document 3J/xx-E** |
| **31 June 2024** |
| **English only** |
| United States of America |

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| WORKING DOCUMENT TOWARDS A PRELIMINARY DRAFT NEW REPORT ITU-R M.[FOD\_EESS\_SHARE] |
| Sharing and compatibility studies between foreign object debris detection system and other services in the frequency ranges 92-100 GHz |

**Summary:**

This study provides will provide analyses of possible radiofrequency interference between the Foreign Object Detection (FOD) system placed along runways in the 92-100 GHz band with EESS (passive) in the adjacent band and EESS (active) in the 94-94.1 GHz band. This document contains two dynamic analyses of potential in-band interference to a spaceborne cloud profile radar in EESS (active) and OOB interference to a spaceborne radiometer in EESS (passive) in the 86-92 GHz band from FOD detection systems in the Radiolocation Service to be included in the Report.

**Proposal:**

[TBD]

Attachments 1

ATTACHMENT 1

[TBD]