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| U.S. Radiocommunications SectorFact Sheet |
| **Working Party:** ITU-R WP 5B | **Document No:** USWP5B28-xxFS |
| **Ref:** 5B/481-E Annex 33 | **Date:** January 20, 2021 |
| **Document Title:** Working Document towards a Preliminary Draft New Report ITU- M.[Space-VHF] relevant towards WRC 23 Agenda Item 1.7 – compatibility of proposed allocations for space-based Aeronautical VHF communications in the 136-137 GHz band with the Space Operations, Space Research and Meteorological Satellite services.  |
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| **Purpose/Objective:** The purpose of this contribution is to provide updates to Document 5B/481 Annex 33 to examine the interference potential for interference to the SOS, SRS and MetSat from space based usage by the AMS in 117.975-136 GHz and 136-137 GHz band in light of Editor’s notes regarding protection criterion of the science services for total interference which require justified apportionment and proper simulation of interfering system(s). |
| **Abstract:** This contribution provides updates to Document 5B/481 Annex 33 to examine the interference potential for interference to the SOS, SRS and MetSat from space based usage by the AMS in 117.975-136 GHz and 136-137 GHz band in light of Editor’s notes regarding protection criterion of the science services for total interference which require justified apportionment and proper simulation of interfering system(s). The frequency band 137-138 MHz is allocated to the SOS, SRS and MetSat on a primary basis in the space-to-Earth direction and characteresitics for interference criteria are provided in Recs. SA 363, SA.2426, SA.609 and SA,1027. |