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| U.S. Radiocommunications SectorFact Sheet |
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| **Document Title:** Working Document Towards a Preliminary Draft New Recommendation “Wideband High Frequency Systems (WBHF) Technical and Operational Characteristics Operating Within the 3 to 30 MHz Frequency Band.” |
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| **Purpose/Objective:** This is a Fact Sheet for the development of a Working Document Towards a Preliminary Draft New Recommendation that includes characteristics of Wide Band High Frequency (WBHF) systems operating within the 3 to 30 MHz frequency range. The information that will be included in this document will be used in sharing and compatibility studies and, if required, in updating existing HF Recommendations.  |
| **Abstract:** In recent years, wideband approaches have been proposed for increasing the capability of HF radio communications. These approaches use contiguous and non-contiguous (across a bandwidth of 200 kHz) signalling bandwidths exceeding the traditional SSB voice channel bandwidth of 3 kHz. In some cases by as much as a factor 16 for a- 48 kHz contiguous bandwidth. This recommendation provides characteristics of WBHF systems for use in channel occupancy, sharing, and compatibility studies between WBHF systems and incumbent services operating in the 3 to 30 MHz frequency band. |