



Views of the NAS and NAE on Agenda Items at Issue at the World Radiocommunication Conference 2012

By Committee on Radio Frequencies, Board on Physics and Astronomy, Division on Engineering and Physical Sciences, National Research Council

National Academies Press. Paperback. Book Condition: new. BRAND NEW, Views of the NAS and NAE on Agenda Items at Issue at the World Radiocommunication Conference 2012, Committee on Radio Frequencies, Board on Physics and Astronomy, Division on Engineering and Physical Sciences, National Research Council, The passive, receive-only Radio Astronomy Service (RAS) and the Earth Exploration-Satellite Service (EESS) provide otherwise impossible scientific observations of the Universe and Earth through the use of advanced receiver technology with extreme sensitivity and the employment of complex noise reduction algorithms. Even with such technology, RAS and EESS are quite adversely affected by what most active services would consider low noise levels. To ensure their ability to use the radio spectrum for scientific purposes, scientists must be party to the discussion in the lead-up to the World Radiocommunication Conference (WRC), which will next be held in January and February 2012 in Geneva, Switzerland. By request of the National Science Foundation and the National Aeronautics and Space Administration, the National Research Council was convened to provide guidance to the U.S. spectrum managers and policymakers as they prepare for the WRC in order to protect the scientific exploration of the Earth and Universe using the radio spectrum. While...



Reviews

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