

Review of Frequency Usage for Oceanographic Radar in the 3-50 MHz Band

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Abstract—WRC-12 on February under the Agenda Item 1.15 reviewed the possibility of frequency allocations for oceanographic radars in portions of the 3-50 MHz frequency range, and resolved to allocate several portions of the frequency bands in accordance with the Resolution 612 (Rev. WRC-12). Thus it is possible to use for oceanographic radars as much as 2 425 kHz width in the frequency range of 3-50 MHz in the Republic Korea. However, those allocated bands are not freely usable in the Korean oceanographic radars because of the radio environments and/or the radio interference to existing fixed and mobile services. In order to investigate the number of radio signals which are being introduced at coastal area of Korea, the mobile measuring system was used for the observation test of the radio environment in the frequency of 3-50 MHz band. This paper illustrates the results of the observation test.

Keyword—AWRC-12, Frequency Allocations, Oceanographic Radar, Radio Environment, Interference. For a list of suggested keywords, send a blank e-mail to keywords@ieee.org or visit http://www.ieee.org/organizations/pubs/ani_prod/keywrd98.txt

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