



PUBLIC NOTICE

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OFFICE OF ENGINEERING AND TECHNOLOGY RELEASES UPDATE OF OET BULLETIN No. 69

The Office of Engineering and Technology has released an update of OET Bulletin No. 69 entitled "Longley-Rice Methodology for Evaluating TV Coverage and Interference." This document is available on the FCC's World Wide Web site at www.fcc.gov/oet/info/documents/bulletins.

The Bulletin provides guidance on the implementation and use of Longley-Rice methodology for evaluating TV service coverage and interference in accordance with Sections 73.622, 73.623 and 74.704 of the FCC rules. Those sections of the rules became effective with the adoption of the *Sixth Report and Order* in MM Docket No. 87-268 concerning Digital Television Allotments, on April 3, 1997, 12 FCC Rcd 14588 (1997). The new release updates the previous version of OET Bulletin No. 69 that was published July 2, 1977. Internet references point to currently available FCC web pages. In addition certain adjacent-channel D/U ratios have been corrected. Otherwise, the changes are of an editorial nature, and the program parameters given in the new release are exactly those used by the Media Bureau in processing applications for new or modified stations.

The Longley-Rice radio propagation model is used to make predictions of radio field strength at specific geographic points based on the elevation profile of terrain between the transmitter and each specific reception point. In accordance with the rule sections cited above, evaluations of TV service and interference are being made during the transition from analog to digital television using this prediction technique. The Bulletin describes the methodology and computer program used by the FCC for this purpose.

The Bulletin is divided into three parts. Part 1 provides information on evaluating TV service area or coverage. Part 2 provides information on evaluating interference to the service areas of both analog NTSC and digital television (DTV) stations. Part 3 provides information on implementation of the FCC's Longley-Rice Computer program.

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