

TECHNICAL EXHIBIT
2019 DISPLACEMENT/FILING WINDOW FOR LPTV
AND TV TRANSLATOR STATIONS
FACILITY: KHHI-LP, FI 21716
HONOLULU, HI
U.S. TELEVISION, LLC

Pursuant to the LPTV/Translator displacement/filing window of 2019 arising from the incentive auction 600 MHz TV band repack, the within application is filed to change the facility as follows: The facility is being displaced into the new core as a result of the repacking of the TV band. We thus change output channel 48 to channel 36, FULL SERVICE mask, 12.3 kW ERP. Antenna make and model is DIE TUM-C1-02/02M-T which is to be located on existing registered tower 1218023; CR is 10.1 m AGL; orientation 0° T. No new tower construction or changes are planned.

Using the specified equipment, pattern and ERP, the application is in compliance with all pertinent portions of §74.793 with respect to all existing part 73 and part 74 licenses, permits and applications known as of the time of filing. The FCC previously issued a CP on Ch 36, File Number 0000029017 previously determining no problem with the quiet zone. As DKHLU-CD has relinquished their facilities, this application uses identical parameters as the previously granted CP.

The applicant authorizes that the displacement CP issued for Ch 16, KHHI-LD File # 0000054403 be dismissed at this time.

Employing the methods set forth in OET Bulletin No. 65 and considering a main-lobe effective radiated power of 12.3 kW, an antenna radiation center 10.1 meters above ground, and the specific elevation pattern of the proposed Dielectric antenna, maximum power density two meters above ground of 0.22 mW/cm² is calculated to occur 6 meters southeast of the base of the tower. Since this is only 10.9 percent of the 2.0 mW/cm² reference for controlled environments (areas without public access) surrounding a facility operating on Channel 36 (602-608 MHz), and since this site is inaccessible to the public, a grant of this proposal may be considered a minor environmental action with respect to public and occupational exposure to non-ionizing electromagnetic radiation. The licensee shall also take precautions such as reducing power or shutting down temporarily, to ensure that workers operating in the vicinity of the antenna are not exposed to excessive NIER.

J. R. McDonald