



**STATEMENT OF CARL E. GLUCK, CPBE  
IN SUPPORT OF AN APPLICATION FOR A  
MINOR MODIFICATION OF LICENSE,  
FILE NUMBER BLEDT-20060804AFK,  
TO SUBSTITUTE A NEW NON-DIRECTIONAL ANTENNA  
FOR ITS AUTHORIZED NON-DIRECTIONAL ANTENNA  
KUID-TV MOSCOW, IDAHO  
CH. 12 - 78 kW – 339.7 meters HAAT**

Prepared for: STATE BOARD OF EDUCATION, STATE OF IDAHO

I am a Technical Consultant, an employee in the firm of Carl T. Jones Corporation, with offices located in Springfield, Virginia. My education and experience are a matter of record with the Federal Communications Commission. I am a Certified Professional Broadcast Engineer with the Society of Broadcast Engineers, no. 50261.

**GENERAL**

This office has been authorized by STATE BOARD OF EDUCATION, STATE OF IDAHO, licensee of KUID, channel 12, licensed to Moscow, Idaho, to prepare this statement, FCC Form 2100, Schedule A, its technical sections, and the associated exhibits in support of an application for a minor modification of its license, file number BLEDT-20060804AFK. The proposed modification proposes the substitution of a new Jampro model JSM-12/12 TEO-V non-directional, elliptical polarized antenna in lieu of KIPT's authorized antenna, a non-directional horizontally polarized Dielectric model TW-12B1. The antenna Height Above Average Terrain and the Effective Radiated Power will remain the same at 339.7 meters and 78 kW. The horizontal azimuth radiation

patterns for its horizontally and vertically polarized components and its vertical elevation pattern, showing its radiation characteristics above and below the horizontal plane are shown and tabulated in the antenna exhibit.

## **PREDICTED COVERAGE CONTOURS**

The predicted coverage contours were calculated in accordance with the method described in Section 73.625(b) of the Rules, utilizing the appropriate F(50,90) propagation curves (47 CFR Section 73.699, Figure 9), proposed Effective Radiated Power, and antenna height above average terrain as determined for each profile radial. The average terrain on the eight cardinal radials from 3 kilometers to 16 kilometers from the site was determined using the USGS 30 Second US Terrain Database as permitted in the FCC Rules. The antenna site elevation and coordinates were determined from FCC antenna registration data. The map exhibit shows the predicted Noise Limited (36 dBu) contour, and the principal community (43 dBu) contour which completely encompasses the principal community of license, Moscow, Idaho.

## **ALLOCATION CONSIDERATIONS**

### ***Post-Transition DTV Considerations***

An interference check study was performed, using the FCC's software, *TVStudy* v2.2.5, to determine that the instant proposal is predicted to cause no new prohibited interference to DTV stations, construction permits or DTV allotments. The study results

confirm no new interference is predicted to more than 0.5% to the populations served by any full-power DTV station, construction permit or allotment. See Appendix B.

## **BLANKETING AND INTERMODULATION INTERFERENCE**

Other broadcast and non-broadcast facilities are either co-located with, or located within 10 kilometers of KIPT's site 1. The applicant does recognize its responsibility to remedy complaints of interference that might result from this proposal in accordance with applicable Rules.

## **SUMMARY**

It is submitted that the instant application for a minor modification of KUID's channel 12 DTS license, file number BLEDT-20060804AFK, to substitute a different non-directional elliptically polarized antenna for its authorized antenna, as described herein, complies with the Rules, Regulations and relevant Policies of the Federal Communications Commission. This statement was prepared by me, or under my direct supervision, and its contents are believed to be true and correct to the best of my knowledge and belief.

DATED: April 4, 2024

 

Carl E. Gluck, CPBE