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WHYY INCORPORATED

WILMINGTON, DE

LICENSEE OF WHYY-FM CHANNEL 215

WILMINGTON, DELAWARE

FCC Facility ID #72336

FCC FILE No. BLED-19830722AD

MINOR CHANGE

APPLICATION FOR A MODIFICATION OF LICENSE

TO COVER REPLACEMENT OF THE

TRANSMITTING ANTENNA

EXHIBIT 16 – 47 CFR 1690(c)(1) REQUIREMENTS

WHYY INCORPORATED
LICENSEE OF WHYY-FM CHANNEL 215
AND APPLICANT FOR A MINOR MODIFICATION OF LICENSE
TO SPECIFY A REPLACEMENT ANTENNA
FCC FILE No. BLED-19830722AD

ENGINEERING EXHIBIT 16 – 73.1690(c)(1) REQUIREMENTS

1. DESCRIPTION OF CHANGES

WHYY, Incorporated licensed as WHYY-FM on Channel 215 in Wilmington, Delaware, (File No. BLED-19830722AD). The instant minor application filed under 47CFR1690(c)(1) is to modify the station license as a result of the replacement of the licensed RCA BFJ-2 panel omni-directional transmitting antenna with an essentially identical Dielectric Model DCPJ-03-2FM/6-1-R unit. The replacement antenna has slightly less gain than the existing RCA BFJ-2 unit necessitating a slight increase in T.P.O. There is no change in horizontal or vertical omni-directional ERP, antenna elevation pattern, HAAT, AMSL, or overall tower height.

2. T.P.O. AND ERP CALCULATIONS

The system gains and losses are as follows:

T.P.O:	16.98 KW	12.30 dBk
LINE LOSS:	0.795	-1.00 dB
ANT IN:	13.50 KW	11.30 dBk
ANT GAIN:	1.0	0.00 dB
ERP:	13.50 KW	11.30 dBk

3. ENVIRONMENTAL CONSIDERATIONS

The instant application is excluded under 1.1306. Since the replacement antenna occupies the same aperture and has the same number of bays (sections) and bay spacing as the presently licensed antenna, there is no calculated change in the levels of RFR energy at any point in space as a result of this change. Accordingly, there is no change in the RFR levels on and near the immediate vicinity of the WHY-Y-FM tower. A comprehensive RFR study for WHY-Y-FM and TV was completed on March 1, 1999 and is on file with the commission as a result of WHY-Y stations License renewals since then. This RFR Report covers 84 pages and thus is not suitable for electronic uploading to the commission CDBS system as its size exceeds the allowable data file size on the CDBS. An additional paper copy can be supplied if requested. The March 1, 1999 RFR Report was supplemented with additional calculations for co-located WHY-Y-DT submitted on paper with the application for the WHY-Y-DT Construction Permit in BPEDT-20001217AC.

4. BLANKETING AND INTERMODULATION INTERFERENCE

The area surrounding the proposed site is industrial and residential, however due to the fact that the ERP and antenna patterns are not changing we do not expect any problems with blanketing or intermodulation interference. However, the applicant will investigate and cure any complaints reported within the blanketing area.

5. NEARBY AM FACILITY

WNWR(AM), 1540 kHz, 50 kW, DA-D is located within 2 km of the existing WHY-Y-FM facility. The WHY-Y-FM replacement antenna is essentially the same type and height as the existing model and there is no change in the existing transmission line system. Thus this WHY-Y-FM antenna replacement will not cause any electrical perturbations with respect to the WNWR(AM) signal.