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Report of Test 6810-8-DA

for

AMERICAN FAMILY ASSOCIATION

WAQB* Tupelo, MS

OBJECTIVE:

The objective of this test was to demonstrate the directional characteristics of a 6810-8-DA to meet the needs of WAQB and to comply with the requirements of the FCC construction permit, file number BMPED-20000623AFO.

RESULTS:

The measured azimuth pattern for the 6810-8-DA is shown in Figure 1. Figure 1A shows the Tabulation of the Horizontal Polarization. Figure 1B shows the Tabulation of the Vertical Polarization. The calculated elevation pattern of the antenna is shown in Figure 3. Construction permit file number BMPED-20000623AFO indicates that the Horizontal radiation component shall not exceed 23 kW at any azimuth and is restricted to the following values at the azimuths specified:

240-280 Degrees T: 7.6 kW

From Figure 1, the maximum radiation of the Horizontal component occurs at 17 Degrees T to 146 Degrees T. At the restricted azimuth of 240-280 Degrees T the Vertical component is 5.19 dB down from the maximum of 23 kW, or 7.0 kW.

* WAQB call sign has been changed to WAJS

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