

EXHIBIT 8  
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NONIONIZING RADIATION COMPLIANCE  
Centex Television Limited Partnership  
Bryan, TX

The antenna for the proposed KRHD-LP facilities will be mounted at the 111 meter level on an existing 152 meter tower. This tower also supports the antenna for KVJM(FM) - Hearne, Texas. There are also two pending applications for a new non-commercial educational FM station on FM Channel 220 that propose to locate their antennas on this tower. The continued operation of KRHD-LP from this tower, however, will fully comply with the current FCC Standard with regard to human exposure to nonionizing radiation. The KRHD-LP antenna will be an Antenna Concepts ACB16DR circularly polarized directional antenna that will operate with a maximum peak visual effective radiated power of 89.1 kilowatts and a maximum aural effective radiated power of 8.91 kilowatts in each polarization. Figure 8.0 presents the vertical radiation pattern for this antenna, which has been supplied by the manufacturer. Equation (1), found on Page 30 of Supplement A to FCC OET Bulletin No. 65 details the calculation technique used to determine the power density levels at the base of a TV broadcast tower. Using this vertical radiation data and assuming a total maximum effective peak visual effective radiated power of 178.2 kilowatts and a total maximum aural effective radiated power of 17.82 kilowatts, this equation predicts a worst case power density level at two meters above ground level from the proposed KRHD-LP facilities of  $5.83 \mu\text{W}/\text{cm}^2$ , which will occur at a distance of 15.3 meters from the base of this tower. Since the permitted power density for uncontrolled exposure to nonionizing radiation on Channel 40 is  $417.3 \mu\text{W}/\text{cm}^2$ , this amounts to only 1.40% of the permitted level. Since this value is less than 5% of the permitted level, the proposed KRHD-LP facilities are

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excluded from environmental processing and need not be considered in combination with other nearby or co-located facilities to establish compliance with this exposure standard.

KRHD-LP, in conjunction with the other co-located facilities, will take appropriate steps to insure that workers that must climb this tower will not be exposed to levels of nonionizing radiation that are in excess of the permitted level for controlled exposure. These steps will include the cessation of operation or a reduction in power by any or all of these stations when work becomes necessary on this tower in the areas where the total power density levels will be in excess of the permitted level for controlled exposure.

ANTENNA CONCEPTS, INC.

ELEVATION PATTERN  
ACB16CR

DATE 04/17/98  
ANTENNA GAIN : 33

BEAM TILT -.5  
NULL FILL 0 %

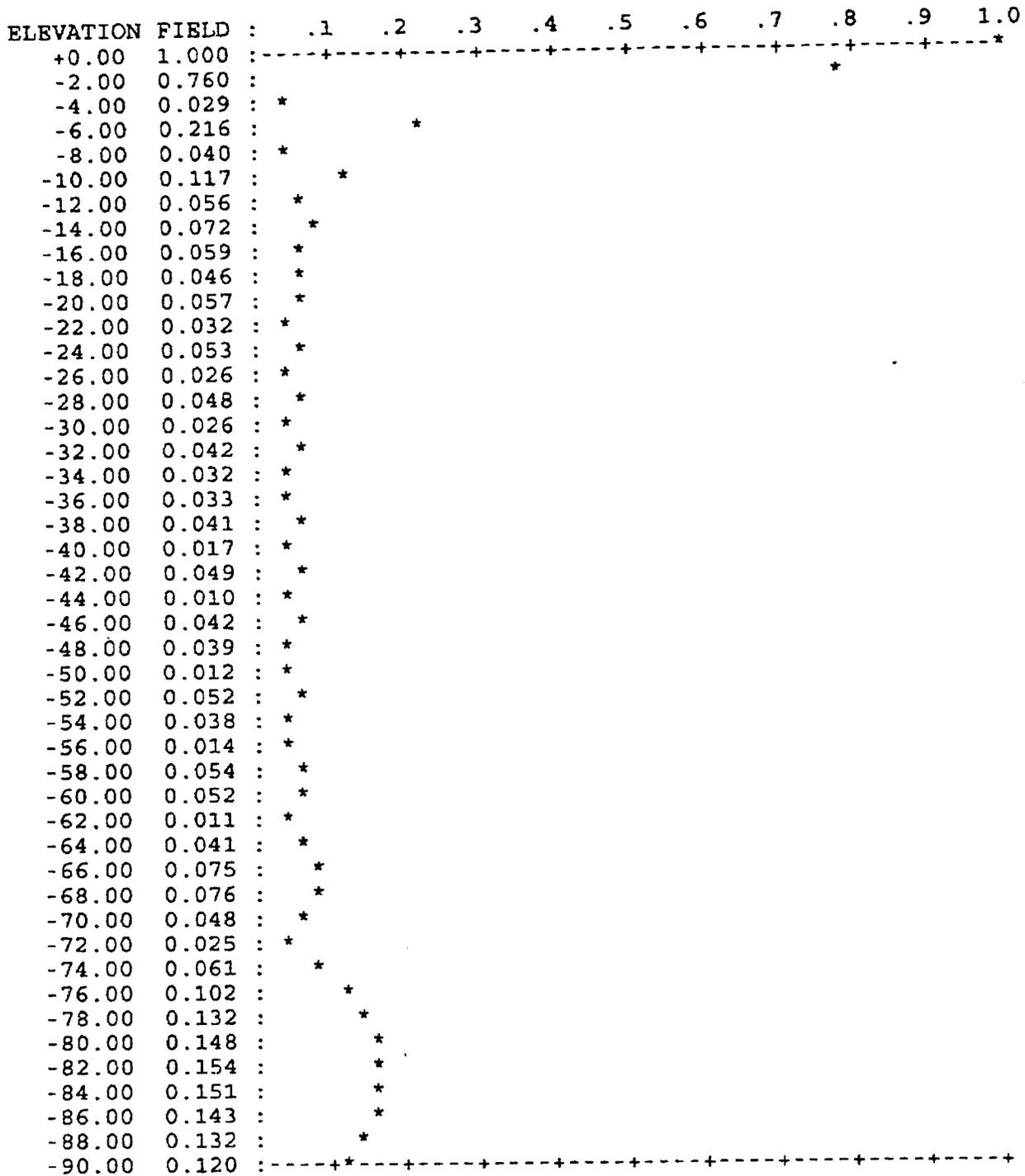


FIG. 8.0

Record of input data: ACB16CR WITH 16 BAYS.  
GAIN 33 BT/NF -.5 DEG. & 0 PERCENT.  
0 BAYS OFFSET. PHASE 0 DEGREES. DAT

KRHD-LP VERTICAL  
RADIATION PATTERN

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