

**Engineering Statement**  
**In Support of an Application**  
**for a Construction Permit**

**KVST, Willis, Texas**  
**Channel 279C1**

**Human Exposure to Radiofrequency Radiation**

The Applicant proposed to operate the facility with following parameters:

PROPOSED:

E.R.P. = 28.0 kW

CL AGL = 487.6 m

FCC 301 Worksheet 3 (Page 5 and 6) was used for this study. The formula listed below was used to compute the power density at ground level for the proposed FM facility, this gives the results of 0.008 mWm/cm<sup>2</sup>, which is 0.8% of the limit of 100% for controlled/occupational exposure and does exceed the 20% limit for uncontrolled/general public.

FORMULA: = 33.41(ERP) / AGL<sup>2</sup>

<b>Exhibit E, Figure 14</b> <b>Human Exposure</b> <b>To R.F. Radiation</b>
"New Wavo" KVST Willis, Texas Channel 279C1 – 103.7 MHz. January, 2001