

Engineering Statement
In Support of an Application
for a Construction Permit
KVST, Willis, Texas
Channel 279C1

RF Specification & Antenna System
Frequency - 103.7 Megahertz

Antenna:	Jampro	JMPC – 6
Number of Elements:		6
Gain (H&V):	3.20 power gain	5.05 dB
E.R.P.:	28.0 kW	14.472 dBk
Beam Tilt:		Not Applicable
Null Fill:		Not Applicable
Transmission Line Description:	Andrew HJ-8-50J	Air Dielectric
Cable Loss for:	100 Feet = 0.14 dB	100 m = 0.459 dB
Length of Cable:	1645.0 Ft.	501.4 m
dB Loss for Length:		2.30 dB
Efficiency for Length:		58.84 %
Transmitter Power Output:		14.88 kW
Transmission Line Loss:		6.12 kW
Antenna Input:		8.76 kW

Exhibit E, Figure 15
R.F. Specification &
FM Antenna System

“New Wavo”
KVST
Willis, Texas
Channel 279C1 – 103.7 mHz.
January, 2001