Engineering Statement

In Support of an
Application for a
Construction Permit

KVST(FM), Willis, TX
Channel 279C1

KVST Longley-Rice Study Parameters

Software Author and Version:	SoftWright, Version 4.1.586
Transmitter Latitude:	30:19:46.0N
Transmitter Longitude:	94:51:31.0W
Transmitter Center of Radiation:	509.9 meters AMSL (487.6 meters AGL)
Frequency:	103.7 MHz
Power (ERP)	28.0 kW
Antenna:	Non-Directional
Terrain Resolution	**NGDC 30-arc second**

5 radials (278° to 282°, from 0.1 km to 100.0 km in 0.1 km increments)

Receiver Antenna:	9.14 meters
Mode of Variability:	11 (Individual Mode)
Confidence:	50%
Reliability:	50%
Polarization:	Horizontal
Relative Permittivity:	15
Conductivity:	0.005 (S/m)
Climate:	5 (Continental Temperate)
Sea Level Refractivity:	0
Surface Refractivity:	300.90
Effective earth curvature:	1.333

Exhibit E, Figure 8(c)