

EXHBIT E-1  
TECHNICAL STATEMENT  
WILLCOX, ARIZONA, CH 206C3  
ST. PAUL CULTURAL BROADCASTING, INC.  
FCC FORM 340  
OCTOBER 2007

This Technical Statement is prepared on behalf of St. Paul Cultural Broadcasting, Inc. It is proposing a new FM station on channel 206C3 for Willcox, Arizona, with 0.12 Kilowatts Effective Radiated Power, vertical only polarized antenna system and a Center of Radiation height of 2439 Meters Above Mean Sea Level. The antenna will also be located 946 Meters Above Average Terrain.

The new operation was evaluated for compliance with all of the Commission technical rules and regulations for new Non-Commercial FM broadcast stations.

Compliance with Section 73.509 in regards to interference to other stations was determined as follows:

Figure 1 – Channel Interference Study. Shows compliance with interference contours towards other stations.

Figure 2 – Channel Spacing Study. Shows compliance with I.F spaced stations and other normal 73.207 spacing requirements towards other stations.

Figure 3 – Detailed interference study with KUAZ-FM Tucson, AZ, channel 206A.

Figure 4 – Predicted 60 dbμ principle coverage contour for compliance with community coverage.

The application was determined to meet or exceed all of the technical requirements for a new FM Non-Commercial Station set for by the Commission.