

FCC Form 349
Application to Construct FM Translator Station
Foothills Broadcasting, Inc.
CH245D / 96.9MHz / 55 watts
Crossville, TN
BNPFT-20030317AJH

Interference / Overlap Exhibit

This exhibit has been prepared on behalf of Foothills Broadcasting, Inc., as an attachment to FCC Form 349 (BNPFT-20030317AJH) to show required protection to established licensed facilities and pending applications on co- and adjacent channel facilities as specified in 47 C.F.R. Section 74.1204. As this application is being submitted for operation on a non-reserved channel, no Channel 6 protection is required.

Exhibits A, B, C and D, show calculated antenna height above average terrain (HAAT). These charts show antenna HAAT along 12 radials beginning at North and spaced at 30 degree increments as specified in 47 C.F.R Section 74.1235(b). The effective radiated power of the translator station has been determined by these calculations which are based on 30 second terrain data. The exhibits also show calculated distances to specific signal contours. Exhibit A shows distance to the 100dbu, F(50-10) contour; Exhibit B shows distance to the 60dbu, F(50-50) contour; Exhibit C shows distance to the 54dbu, F(50-10) contour; and Exhibit D shows distance to the 40dbu, F(50-10) contour.

Exhibits E, F and G, show facilities (licensed and proposed) which could be impacted by the operation of the new translator at Crossville, TN. These exhibits list the possible impacted facilities and show contours which demonstrate no overlap utilizing signal levels as specified in 47 C.F.R. Section 74.1204. Exhibit E, shows co-channel; Exhibit F, shows 1st adjacent channel (+/-200kHz); and Exhibit G, shows 2nd and 3rd adjacent channels (400/600kHz).