



Dielectric LLC
22 Tower Road
Raymond, ME 04071
1-800-341-9678

To: John Voci

May 15, 2014

Re: The effect of the addition of a 7/8" feed line in the aperture of WCAI

Dear John,

This letter is in reply to your request to determine if the distortion of the directional azimuth pattern of WCAI's antenna due to the addition of a 7/8" transmission line would be significant. Upon review of measurements of the WCAI configuration with the addition of the 7/8" line placed behind the 140 degree tower leg, I can state that the pattern distortion of the horizontal and vertical polarized components would be negligible.

Respectively

A handwritten signature in black ink, appearing to read "J.L. Schadler".

John L. Schadler

Director – Antenna Development

Dielectric, LLC

22 Tower Rd.

Raymond, ME 04071

207-655-8232