



April 24, 1989

Ernest R. Cooper  
5 Anthony Street  
Provincetown, MA 02657

Greetings!

It is my pleasure to confirm the reception of standard broadcast station WCFS on the morning of April 17, 1989 during our special program test for National Radio Club members.

The test was performed using a Harris MW-1, 1000 watt solid state AM transmitter feeding our two-tower directional array. The towers are 195 feet tall, and are spaced 1/8 wavelength apart. The MW-1 is fed by a Kahn Communications STR-77 AM stereo exciter, which utilizes the independent sideband system of stereo transmission. The test was broadcast with our own implementation of POWERside™, which I chose to pre-emphasize the right channel, which is our upper sideband. It appears this gave us a little extra coverage and made it easier for some listeners to tune out any interference.

Regarding the program details of the test, the test tones and music tracks were reproduced from compact disc, and the morse code station id's were provided by Wayne Heinen of the NRC.

I wish you continued pleasure in the world of broadcast DX'ing and maybe you'll catch us on the dial again!

Sincerely

A handwritten signature in red ink that reads "William M. DeFelice".

William M. DeFelice  
Director of Engineering  
WCFS-AM Stereo

enclosure: coverage map