
ENGINEERING STATEMENT IN SUPPORT
OF AN APPLICATION TO DISPLACE
LPTV STATION WCAY-LP, FI 4352 TO CHANNEL 36

Interference Study

The location of WCAY-LP as specified in this application is inside the protected contour of full service station WDLP-TV¹, channel 22. However, a lost population study² using the "Longley-Rice Terrain Dependent Algorithm" in accordance with OET Bulletin 69 shows no population loss.

The application proposes the following parameters:

Channel 36
Antenna: Scala 4DR-16S
Orientation: 255.0/
ERP: 5.44 kW
RCAMSL: 45.0 meters
Offset: none
Location: 24-34-05, 81-44-03

There is no outgoing interference from a station with these parameters and there is no interference issue that would prevent the granting of this application.

¹WDLP-TV, BLCT-19940114KJ

²The study was conducted with the Techware software run on a Sun computer.

Impact on AM Stations

The antenna will be mounted on an existing registered tower (1243774). There are two AM stations within distances such that they need consideration:

WKIZ, antenna DA1 @ 1.47 km

WKWF, antenna ND1 @ 0.71 km

However, the antenna will be side mounted at 41 meters AGL well below the tower's overall height above ground of 51 meters. The addition of this antenna will not change what ever impact this tower already has on the characteristics of these two AM stations. It would appear that there should be no requirement for new proofs of the AM stations.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "B. W. St. Clair".

B. W. St. Clair
Engineering Consultant

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