

WKSG (FM)
Facility ID 9714
Daystar Public Radio, Inc.
September, 2005

Technical Narrative

Nature of Proposal:

WKSG, Channel 208, Cedar Creek, Florida, seeks to change its antenna from directional to nondirectional. The Vertical ERP, HAAT, and site of the facility will remain as authorized.

Channel Six Protection:

WKSG's former main facility is now its auxiliary facility. The authorized Horizontal power of the former main and now auxiliary facility is 2KW ERP H&V, 94 meters HAAT. The file number is: BXMLE20030618AA.

The proposal of this application is ten meters higher. The grandfathered facility's power for ten meters higher is 1.6 KW. This is shown on engineering exhibits which tabulate the contours for comparison.

Using the formula in C.F.R. 73.525(e)(4)(ii), WKSG is shown to be allowed a vertical polarity of 30 KW and a horizontal polarity of .85 KW.

$$H + V/A = P$$

Ocala, Florida has less than 50,000 persons so the formula's figures become:

$$.85 + 30/40 = 1.6$$