

Proposed Minor CP Modification to W245DO at Lake Wales, FL

Facility ID 202412

Technical Statement

Summary

This application proposes a minor change to W245DO, a cross-service fill-in for co-owned primary station WIPC(AM). The antenna will be mounted on an existing tower, and the proposed service contour lies entirely within 25 miles of the WIPC site (both green in Fig. 1.)

74.1204 Study

The following facilities were studied

Call Sign	C	ST	City	Freq. ▼	ERP	Class	Status	Distance
Proposed	3	FL	LAKE WALES	96.5	250.0	A	APP	0.00
WOEX	1	FL	ORLANDO	96.5	99000.0	C	LIC	88.19
WZPH-LP	1	FL	DADE CITY	96.7	100.0	LP100	LIC	65.77
W244BJ	1	FL	LAKELAND	96.7	250.0	D	LIC	28.29
W245DO	2	FL	LAKE WALES	96.9	250.0	D	LIC	3.77
W246CK	1	FL	KISSIMMEE	97.1	250.0	D	LIC	51.42
W246DX	1	FL	WINTER HAVEN	97.1	250.0	D	CP	23.59
WPCV	1	FL	WINTER HAVEN	97.5	100000.0	CO	LIC	20.48
WIPC	0	FL	LAKE WALES	1280.0	1000.0	A	LIC	3.77

Figure 1 illustrates the absence of prohibited overlap between the proposed translator interfering contours and the pertinent service of each of these facilities except for third adjacent WPCV (Key: same colors may not overlap.)

The site lies within the service contour of WPCV. Therefore, the applicant respectfully requests a waiver pursuant to 74.1204(d) as described below.

WPCV places a 87.5 dBu service contour over the proposed site (blue contour in Figure 1.) The Commission has generally considered overlap from a proposed translator interfering contour to be acceptable where the ratio of undesired to desired signal (U/D) does not exceed 40 dB i.e. where in this case the proposed translator F(50,10) interfering signal does not exceed 127.5 dBu. The distance to this contour is 47 meters, and the antenna CR is 64 meters AGL.

The applicant therefore believes its application meets the requirements of Section 74.1204(d) with respect to “other factors” insuring no actual interference to WCRB. Should any actual interference occur, the applicant will take the required steps to eliminate it.

Environmental Considerations

No physical changes are proposed. RFR compliance was determined through the use of the RF worksheets in Appendix A. The applicant will cease operation or reduce power as necessary, in order to prevent uncontrolled or controlled exposure in excess of the guidelines of OET-65.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'D. Jackson', with a stylized flourish at the end.

Dennis Jackson
Technical Consultant
June 10, 2021

Figure 1 - 74.1204 Study and Fill-In Status

Third adjacent WPCV places an 87.5 dBu service contour over site (blue.)

No other prohibited overlap is created. (Key: Same colors may not overlap.)

Proposed service contour overlaps licensed service contour (both green).

Proposed service contour does not exceed 25 miles (gray circle) from AM site.

