

Section 74.1204 - Statement of Compliance
W270CV, Miami, FL
FM Translator Facility ID. 150271
March, 2020

The Applicant proposes a minor modification to the above-referenced, non-reserved band, FM translator authorization. Specifically, the applicant proposes herein to relocate the translator 0.13 km, increase antenna height and decrease power. No further changes are proposed herein.

Section 74.1204(a) Contour Overlap Protection Criteria

Attached are two maps which demonstrate that proposed technical facility complies with the contour overlap provisions of Section 74.1204(a) of the FCC Rules with respect to all pertinent cochannel (See Exhibit 1) and first-adjacent channel (See Exhibit 2) assignments, authorizations and applications. As shown on Exhibit 2, the minor contour overlap predicted to occur with first-adjacent channel station WKLG(FM) is permitted because the overlap area occurs entirely over water. The instant proposal is well clear of all other relevant co-channel and first-adjacent channel protection considerations not represented herein.

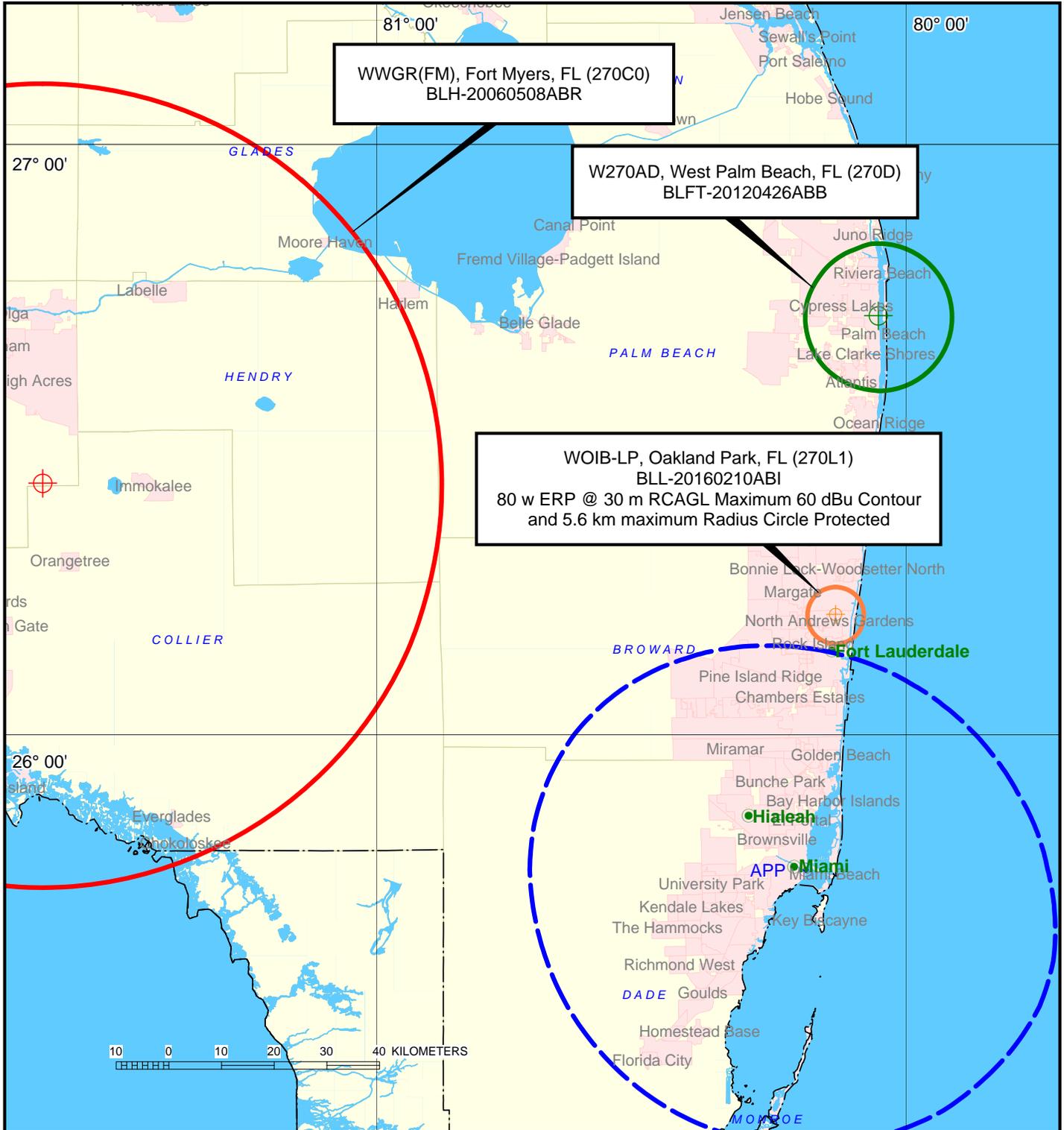
Section 74.1204(d) Second/Third-Adjacent Channel Protection

The required protection to second-adjacent channel stations WLYF(FM), Miami, FL (Channel 268C1) and W272DS (Channel 272D) is discussed below. The instant proposal is well clear of all other relevant second and third-adjacent channel protection considerations not represented herein.

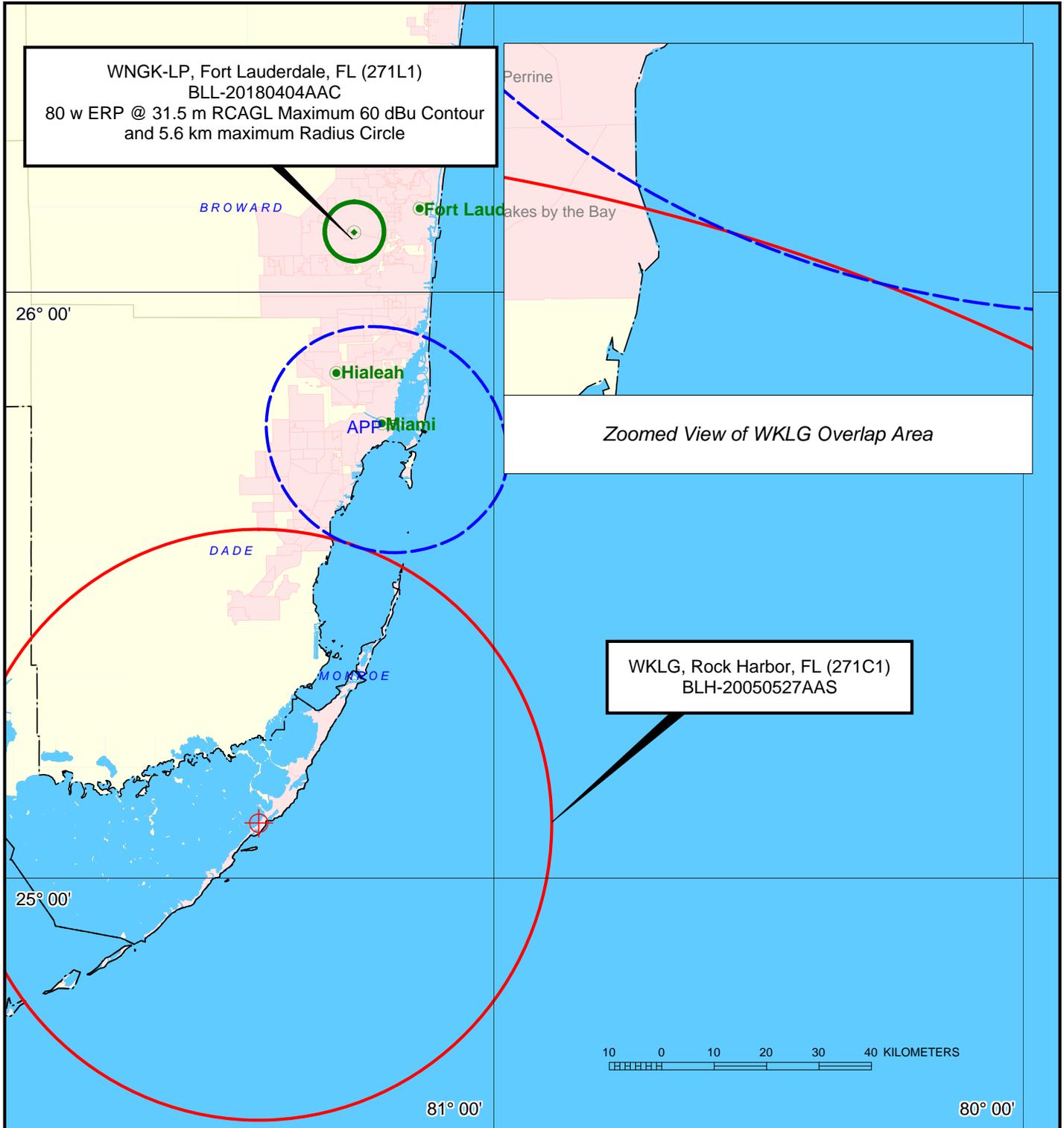
The proposed transmitting antenna will be located within the protected contour of the stations listed above which results in contour overlap as defined in Section 74.1204 of the FCC Rules. However, at the translator's proposed transmitter site, WLYF(FM) is predicted to produce an F(50,50) signal strength of 85 dBu while W272DS is predicted to produce an F(50,50) signal strength of 100 dBu. Therefore, WLYF(FM) provides for a worst-case interference analysis.

In the vicinity of the second-adjacent channel translator station, the translator's relevant interfering contour is the 125 dBu contour relative to WLYF(FM). According to free space calculations, the translator's predicted interfering contour will extend only 38.6 meters from the proposed transmit antenna. Because the proposed transmit antenna will be located 239 meters above ground level, the predicted interference area will neither reach ground level nor reach any people within a horizontal distance of 38.6 meters of the antenna. Therefore, the instant proposal will cause no interference to any population served by WLYF(FM).

Accordingly, the proposed facility satisfies Section 74.1204(d) of the FCC Rules because it has been "demonstrated that no actual interference will occur due to lack of population or such other factors as may be applicable".



CO-CHANNEL SECTION 74.1204
 CONTOUR OVERLAP STUDY
 W270CV, MIAMI, FL (FAC ID 150271)
 LIC: Ch. 270D, 250 watts (DA-MAX), 163 m RCAMSL
 APP: Ch. 270D, 100 watts (DA-MAX), 242 m RCAMSL
 MARCH, 2020



FIRST-ADJACENT CHANNEL SECTION 74.1204
CONTOUR OVERLAP STUDY
W270CV, MIAMI, FL (FAC ID 150271)
LIC: CH. 270D, 250 watts (DA-MAX), 163 m RCAMSL
APP: CH. 270D, 100 watts (DA-MAX), 242 m RCAMSL
MARCH, 2020