

TECHNICAL SUMMARY
APPLICATION FOR CONSTRUCTION PERMIT
TELEVISION STATION WSFL-TV
MIAMI, FLORIDA
CHANNEL 27 900 KW (H), 158.4 KW (V) 240 M HAAT

1. The instant application is the initial 90-day ‘Checklist’ application for the reassigned facilities of WSFL-TV, Miami, FL (Channel 27). The proposed WSFL-TV facility will replace its existing side-mounted directional antenna with a new side-mounted directional antenna of similar type, which will operate on Channel 27. The antenna radiation center height above ground level will remain unchanged and there will be no change in the overall structure height. However, there is a small change in the antenna azimuth pattern due to the change in channel.

2. The proposed facility has been designed to meet the coverage and service requirements of the FCC’s Closing and Channel Reassignment (CCR) *Public Notice*. Using a maximum directional effective radiated power of 900 kW, the proposed WSFL-TV facility will maintain its predicted interference-free service population level above the minimum 95% level relative to its reassignment baseline service level. The proposed WSFL-TV facility is compliant with coverage requirement that there be no extension of the reassignment baseline contour of more than 1% over all land areas. The proposal is believed to be compliant with the 1% contour requirement since the minor noise-limited service contour extension that occurs with the instant proposal is entirely over the Atlantic Ocean.* This is illustrated in the Predicted Coverage Contours exhibit (Figure 1).

3. As demonstrated in the FCC’s *TVStudy* analysis exhibit, the WSFL-TV proposal is fully compliant with the interference protection requirements and it is not located in a Canadian or Mexican border area.

4. Lastly, the instant proposal is compliant with the city coverage requirements of Miami, which is demonstrated in the Predicted Coverage Contours exhibit.

* Based on the FCC’s *TVStudy* analysis there is greater than 1% noise-limited contour extension over the azimuths ranging from 58° to 61° true and from 137° to 170° true, which are entirely over the Atlantic Ocean.