

Engineering Statement
Television Station WPLG Channel 10 Miami, FL
Application to Operate an ATSC 3.0 NextGen TV Station
October 12, 2023

This statement supports an application for digital television station WPLG, to transition its currently licensed ATSC 1.0 facility to an ATSC 3.0 ("3.0") Next Gen TV station. No changes in location, effective radiated power (ERP), antenna pattern or height are proposed. WPLG will continue to provide all currently provided ATSC 1.0 program streams (primary ABC stream (10.1) and two sub-channels MeTV (10.2) and H&I (10.3)) by entering into a channel sharing agreement with WSVN channel 9 Miami, FL. The channel sharing agreement also provides for WPLG to be the 3.0 host for WSVN's primary Fox network stream.

The WPLG and WSVN facilities are essentially identical and are at approximately the same height on the same tower. As shown in Figure 1 below, the predicted noise limited contours of the two stations are almost identical. In addition, a study utilizing the FCC's TVStudy software indicates that the predicted noise limited service of the two stations is identical. See Figure 2 below for a county-by-county service comparison by population and households.

Both stations have the same city of license (Miami, FL) and serve the same market. This in addition to the terms of the channel sharing agreement and the results of the service comparison, it appears that the proposal fully meets the Commission's requirements.

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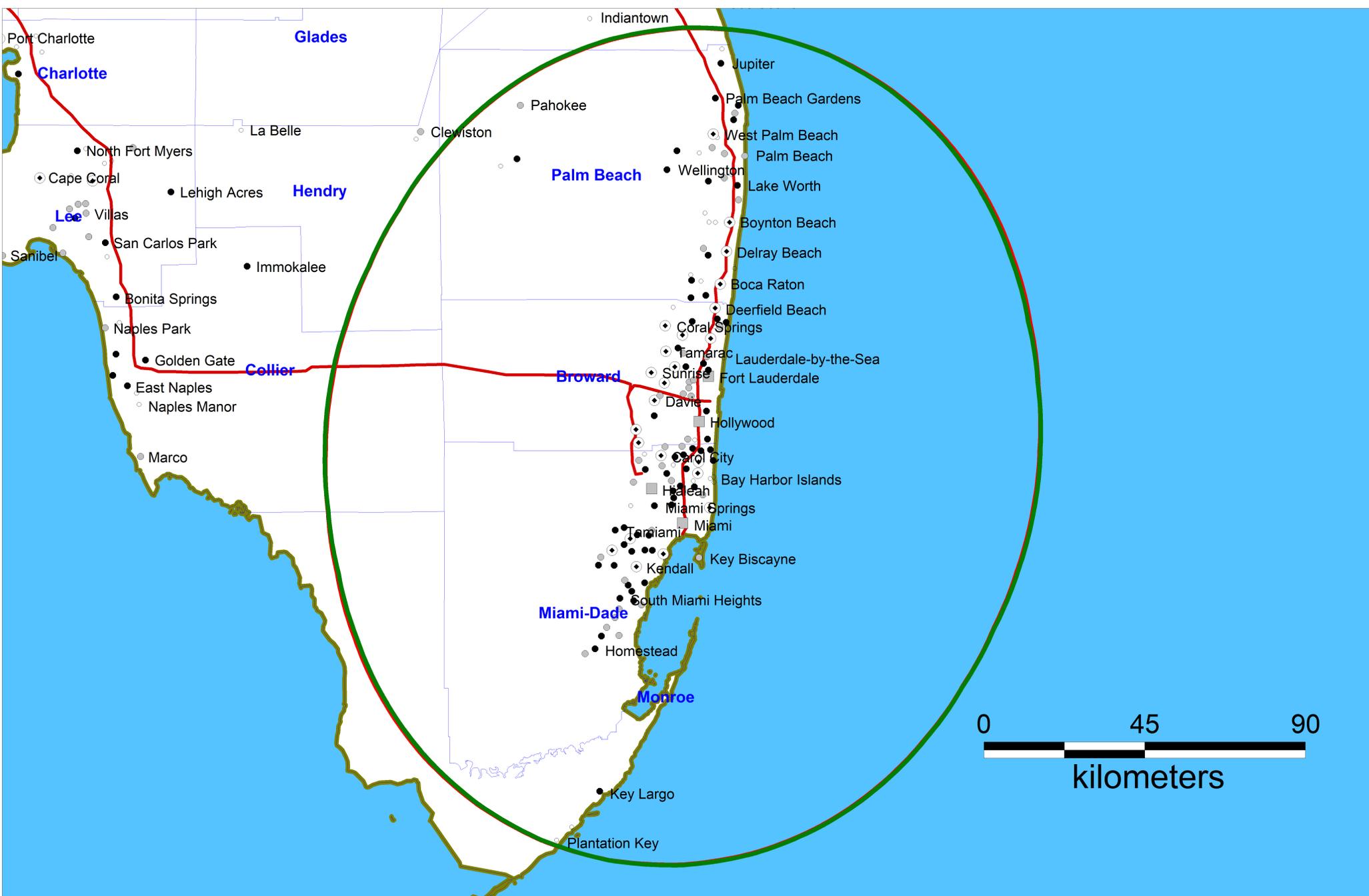


Figure 1

Predicted Noise limited Contours
WPLG Channel 10 Miami, FL - WSVN Channel 9 Miami, FL
Green Licensed WPLG
Red Licensed WSVN

Figure 2

**Predicted Service Comparison
WPLG CH 10 Miami, FL vs WSVN CH 9 Miami, FL**

State	County	WPLG Licensed ERP 156 kW DA HAAT 309 m		WSVN Licensed ERP 158 kW DA HAAT 307.1 m		Gain / Loss	
		Population	Households	Population	Households	Population	Households
FL	BROWARD	1,748,066	686,047	1,748,066	686,047	0	0
FL	COLLIER	61	25	61	25	0	0
FL	HENDRY	803	280	803	280	0	0
FL	MARTIN	6,310	2,913	6,310	2,913	0	0
FL	MIAMI_DADE	2,496,435	867,352	2,496,435	867,352	0	0
FL	MONROE	17,032	7,634	17,032	7,634	0	0
FL	PALM BEACH	1,320,041	544,182	1,320,041	544,182	0	0
TOTALS		5,588,748	2,108,433	5,588,748	2,108,433	0	0