

### **Channel Study**

#### **Compliance with 47 C.F.R. 73.207**

The proposed facility meets all minimum distance separation requirements with regard to co-channel, first, second, or third adjacent channel stations, and those separated by 53/54 channels, except the licensed facilities of the following station:

Station	Channel	City of License	Facility ID	Distance Short-Spaced
WGH-FM	247B	Newport News, VA	72102	.9km

This application proposes contour protection (47 C.F.R. 73.215. 47 C.F.R. 73.215(e)) for WGH-FM.

The minimum separation requirement between a class B and a class C2 facility (WGH-FM and WKHC), which are first adjacent channels, is 145 km. Exhibit 17-A shows that WGH-FM is separated from the proposed facility by 168.1 km.

Therefore, the proposed facility is permitted to use contour protection toward the short-spaced facility (See Exhibit 20 for compliance with contour protection requirements).

**WKHC.P Site Spacing**

REFERENCE							DISPLAY DATES
35 29 06.4 N.				CLASS = C2			DATA 06-24-19
76 00 02.3 W.				Current Spacings to 3rd Adj.			SEARCH 07-08-19
----- Channel 246 - 97.1 MHz -----							
Call	Channel	Location		Azi	Dist	FCC	Margin
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WKHC	LIC-N 246C2	Hatteras	NC	39.3	0.15	190.0	-189.9
WGH-FM	LIC 247B	Newport News	VA	347.5	168.10	169.0	-0.9
WWPL	LIC 245C0	Goldsboro	NC	267.7	194.06	176.0	18.1
WKJX	LIC 244C2	Elizabeth City	NC	8.2	80.45	58.0	22.5
WGTI	LIC-N 249C2	Winfall	NC	344.1	95.36	58.0	37.4
W247BG	LIC 247D	Frog Level	NC	273.5	123.21	60.0	63.2