

**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**

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REFERENCE
35 29 06.4 N.          CLASS = C2
76 00 02.3 W.          Current  Spacings to 3rd Adj.
----- Channel 246 - 97.1 MHz -----

DISPLAY DATES
DATA 06-24-19
SEARCH 07-08-19

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

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