

**FEDERAL COMMUNICATIONS COMMISSION**  
**445 12<sup>th</sup> STREET SW**  
**WASHINGTON DC 20554**

**AUG 07 2014**

**MEDIA BUREAU**  
**AUDIO DIVISION**  
**APPLICATION STATUS:** (202) 418-2730  
**HOME PAGE:** [www.fcc.gov/mb/audio](http://www.fcc.gov/mb/audio)

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Quantum of Myrtle Beach License Company, LLC  
1266 E. Main Street, 6<sup>th</sup> Floor  
Stamford, CT 06902

In re: WYNA(FM), Calabash, NC  
Facility ID No.: 24932  
Quantum of Myrtle Beach License Company, LLC  
Request for confirmation of compliance with  
47 C.F.R. § 73.1125

Dear Licensee:

This refers to your attorney's letter requesting confirmation that the main studio location of WYNA, South Myrtle Beach, SC complies with 47 C.F.R. § 73.1125. The letter included a supplemental showing of technical statements and studies which use an alternate propagation methodology to demonstrate that the main studio location is within the 70 dBu field strength contour for the facilities specified by WYNA's license BLH-20050510ACU, as required by 47 C.F.R. § 73.1125. The main studio is located at 4841 Highway 17 Bypass South, Myrtle Beach, SC (33° 40' 37" N.L., 78° 57' 55" W.L.).

The engineering study submitted calculated the desired field strength contours using the Institute of Telecommunications Sciences Irregular Terrain Model, also known as the "Longley-Rice" model, permitted by 47 C.F.R. § 73.313(e) and (f). Your study indicates that the 4841 Highway 17 Bypass South location lies within the 70 dBu contour as defined using the Longley-Rice prediction methodology. Furthermore, the exhibit demonstrates that the distance to WYNA's authorized 70 dBu field strength contour exceeds the distance to the 70 dBu field strength contour as calculated using the F(50,50) propagation curves by approximately 51% along the azimuth from WYNA's transmitter location in the direction of the proposed main studio.<sup>1</sup> Therefore, your engineering showing was referred to the Commission's Office of Engineering and Technology ("OET") for a detailed propagation analysis.

By way of a Memorandum dated August 7, 2014, the OET confirmed that the main studio location is encompassed by the 70 dBu field strength contour of the facilities specified in WYNA's license. Accordingly, we find that WYNA's main studio location would be in compliance with 47 C.F.R. § 73.1125.

Sincerely,



Rodolfo F. Bonacci  
Assistant Chief  
Audio Division  
Media Bureau

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<sup>1</sup> By policy, the extension must be 10 % or more for referral to OET for analysis.