

TECHNICAL STATEMENT
APPLICATION FOR LICENSE
BOOSTER STATION WUKQ-FM1
PONCE, PUERTO RICO
CH 256 3.8 KW 59 M AMSL

This Technical Statement was prepared on behalf of radio station WUKQ-FM, Mayaguez, Puerto Rico in support of an application for license for booster station WUKQ-FM1, Ponce, Puerto Rico (FCC File No. BMPFTB-20030325ABL).

In conjunction with the construction of the WUKQ-FM1 booster facility, it was necessary to reduce the effective radiated power (ERP) of the facility to 3.8 kW. However, the proposed facility was constructed in accordance with the construction permit in all other respects.

The reduction in ERP is permissible pursuant to Section 74.1251(b)(7) of the FCC Rules. In accordance with the requirements of the Rules, the following is stated:

1. There is no change in the polarization of the facility. Circular polarization was authorized; and a circularly polarized antenna was installed.
2. The installed antenna height is 57 m above ground, 59 m above mean sea level, in accordance with the WUKQ-FM1 booster construction permit.
3. The station is not authorized with separate horizontal and vertical antennas.

It is also noted that there is no change in the transmitter location or the area to be served.

FM Booster Station WUKQ-FM1
Ponce, Puerto Rico

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Compliance with Special Operating Conditions or Restrictions

The proposed booster facility employs the WUKQ(AM)^{*} transmitting antenna tower. The WUKQ-FM1 construction permit requires that antenna impedance measurements be made on WUKQ(AM), and that an application for direct measurement of power be filed with respect to WUKQ(AM). An application for direct measurement of power for WUKQ(AM), which includes the necessary impedance measurements, is being filed simultaneously with the filing of the instant application for license for WUKQ-FM1. A sketch of the installation on the WUKQ(AM) tower is included herein for reference. See Figure 1, attached.

The WUKQ-FM1 construction permit included a condition concerning measurements on nearby AM stations WISO(AM), WPAB(AM) and WPRP(AM). However, because there is no change in the WUKQ(AM) radiator, there will be no effect on these nearby AM stations. The permittee notified the FCC of this finding and requested the deletion of this condition from the WUKQ-FM1 booster construction permit.[†] The FCC granted this request[‡], but did not issue a new construction permit. Reference is made to the FCC action in the instant application for license per the FCC instructions.

Louis Robert du Treil, Jr.
Consulting Engineer

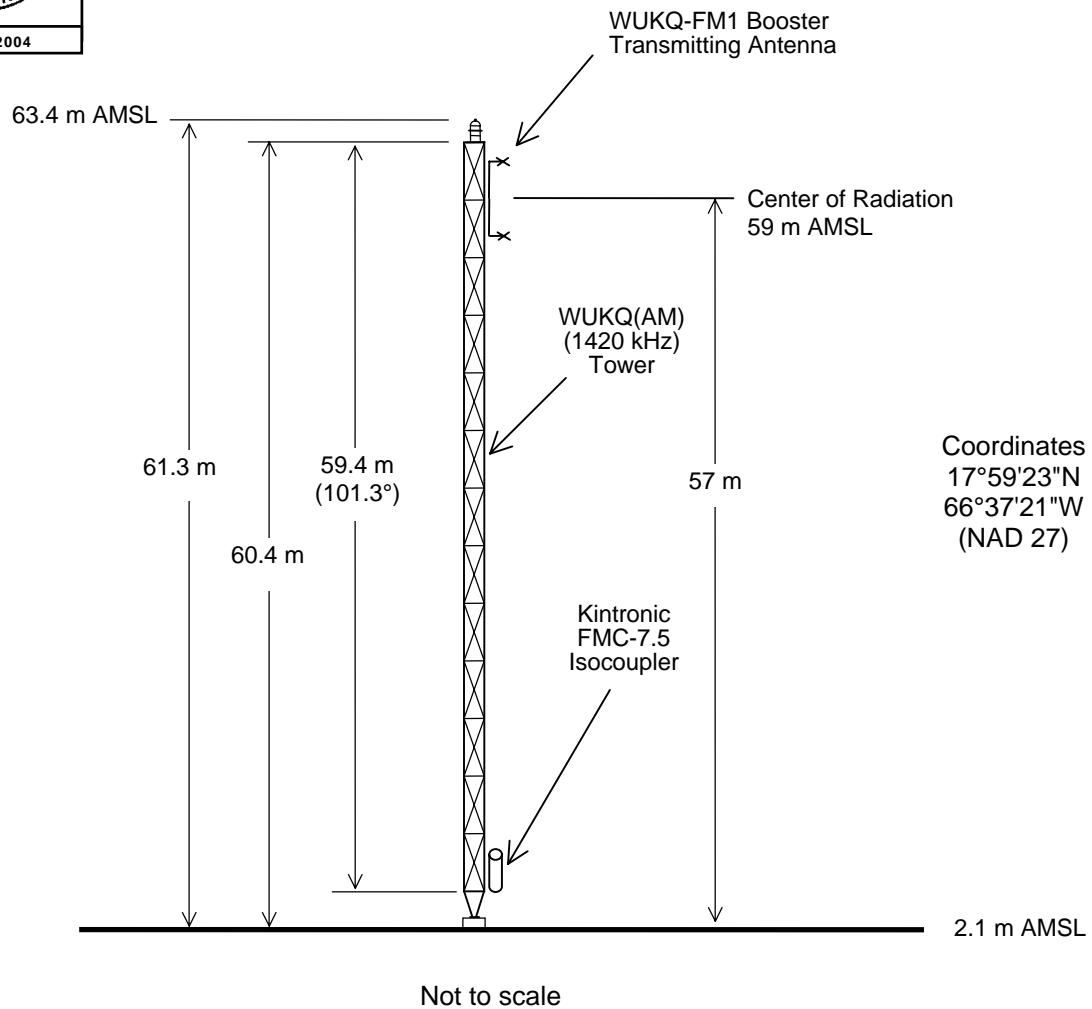
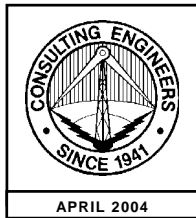
duTreil, Lundin & Rackley, Inc.
201 Fletcher Ave.
Sarasota, FL 34237-6019

April 6, 2004

^{*} WUKQ(AM), Ponce, Puerto Rico, 1420 kW, 1 kW, U (FCC File No. BL-19800523AC)

[†] See letter from J. Richard Carr, Counsel to El Mundo Broadcasting Corporation, to James D. Bradshaw, Associate Chief, Audio Division, Media Bureau, FCC dated June 26, 2003.

[‡] Telephone call from FCC staff to J. Richard Carr on July 7, 2003.



Note: FCC Antenna Structure Registration Number 1217315.

TOWER SKETCH

du Treil, Lundin & Rackley, Inc. Sarasota, Florida