# FEDERAL COMMUNICATIONS COMMISSION
## 445 TWELFTH STREET SW
## WASHINGTON DC 20554


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June 19, 2008

Dorann Bunkin, Esq.
Wiley Rein LLP
1776 K Street NW
Washington, DC 20006

In re: WDAE(AM), St. Petersburg, FL
Facility Identification Number: 74198
Clear Channel Broadcasting Licenses, Inc.
Special Temporary Authority

Dear Counsel:

This is in reference to the request filed February 14, 2008, and amended on June 18, 2008, on behalf of Clear Channel Broadcasting Licenses, Inc. ("CCBL"). CCBL requests modification and further extension of the special temporary authority ("STA") originally granted June 3, 1983 and December 10, 1984, for operation of Station WDAE at variance from its license to counteract the effects of Cuban interference.

In support of the request for modification, CCBL states that it has replaced the WDAE towers with shorter structures, and has obtained a new license from the Commission[1] with slightly increased daytime and nighttime operating power to compensate for the new, shorter towers. CCBL requests that the STA power be modified accordingly. In support of the request for extension, CCBL states that the destructive Cuban interference is continuing to disrupt WDAE(AM)'s operations.

Our review indicated that the requested small power increase, in conjunction with the shorter towers now in use at Station WDAE, will maintain the same effective field strength in all directions as was previously authorized.

Accordingly, the request for modification and extension of STA IS HEREBY GRANTED. Station WDAE may operate with increased power, nondirectionally during daytime hours and according to the attached directional antenna specifications during nighttime hours, to mitigate the effects of Cuban interference. **Nominal operating power shall not exceed 11.2 kilowatts**

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[1] *See* BL-20070612ACM.

**daytime and 11 kilowatts nighttime; antenna input power shall not exceed 11.2 kilowatts daytime and 11.58 kilowatts nighttime.** This authority is subject to termination upon reduction of power or cessation of operation by the Cuban operation or upon Commission instruction to WDAE, at which time WDAE must return to licensed operating parameters. The field strength at each monitor point must be measured at least **monthly** to assure proper array operation. It will be necessary to reduce power if interference complaints are received.

This authority expires on **December 19, 2008.**

Sincerely,

Charles N. Miller, Engineer
Audio Division
Media Bureau

Attachment: Directional Antenna Specifications

cc: Clear Channel Broadcasting Licenses, Inc.

## Special Temporary Authority

## Specifications For Nighttime Directional Operation of WDAE (AM), St. Petersburg, Florida

**Frequency:** 620 kHz **Nominal Power:** 11 kW **Antenna Input Power:** 11.6 kW

**Common Point Current:** 15.2 Amperes **Common Point Resistance**: 50 ohms

**Transmitter site coordinates (NAD 1927):** 27° 52' 37" N, 82° 35' 25" W

**Description of Directional Antenna System:**

**Number and Type of Elements:** Two (2) vertical, self-supporting, series-excited steel radiators.

**Height above Insulators:** 109.7 meters (81.7°)

**Overall Height:** 113.4 meters

**Ground System:** Directly underneath each tower is a 21.3 by 21.3 meter ground screen. The screens are supported above sea level at high tide and consist of 120 radial wires running from a point underneath the center of each tower structure to copper bus perimeter conductors surrounding the tower base areas. From the ground screen perimeter conductors, 24 copper pipe conductors extend vertically downward through seawater to the underwater soil level surrounding each tower. A copper strap connecting the ground screens runs in a trench between the towers.

**Spacing and Orientation:** With Tower #1 (NW) as a reference, Tower #2 (SE) is spaced 128° (171.9 m) on a line bearing 140°.

**Theoretical RMS:** 993.5 mV/m at 1 km

**Augmented RMS:** 1052.2 mV/m at 1 km

**Q factor:** 33.2 mV/m

**Theoretical Parameters:**

| | Tower #1(NW) | Tower #2 (SE) |
|---|---|---|
| **Field Ratio:** | 1.000 | 1.480 |
| **Phasing (degrees):** | 0.0 | -69.0 |

## Special Temporary Authority

## Specifications For Nighttime Directional Operation of WDAE (AM), St. Petersburg, Florida

**Augmentations:**

| No. | Azimuth | Span | Field Strength |
|---|---|---|---|
| 1 | 20.0 | 24.0 | 631.2 |
| 2 | 60.0 | 56.0 | 1324.7 |
| 3 | 205.0 | 50.0 | 1435.4 |
| 4 | 252.5 | 19.0 | 833.8 |
| 5 | 275.0 | 20.0 | 419.5 |
| 6 | 287.5 | 20.0 | 331.2 |
| 7 | 300.0 | 20.0 | 397.4 |
| 8 | 310.0 | 20.0 | 436.7 |
| 9 | 320.0 | 20.0 | 436.7 |
| 10 | 334.0 | 28.0 | 351.0 |
| 11 | 345.0 | 10.0 | 304.6 |
| 12 | 355.0 | 18.0 | 309.1 |

**Operating Parameters***

| | Tower #1(NW) | Tower #2 (SE) |
|---|---|---|
| **Phase (degrees):** | 0.0 | -62.8 |
| **Current Ratio:** | 1.000 | 1.396 |

***As indicated by** Potomac Instruments AM-1901 antenna Monitor.

**Antenna sampling system approved under Section 73.68 (b) of the rules.**

**Descriptions Of And Field Intensities At Monitor Points:**

**Direction of 287.5° True North:** Center of driveway to 14239 Puffin Court. Distance from the transmitter site is 9.08 km. The field intensity at this point shall not exceed **55.7 mV/m.**

**Direction of 355° True North:** Stop sign on the northeast corner of Grand Bahama Drive and Pepperfish Bay Way. Distance from the transmitter site is 15.16 km. The field intensity at this point shall not exceed **37.9 mV/m.**