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

**MEDIA BUREAU**
**AUDIO DIVISION**
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December 23, 2009

Marnie K. Sarver, 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 December 22, 2009, on behalf of Clear Channel Broadcasting Licenses, Inc. ("CCBL"). CCBL requests further extension of the special temporary authority ("STA") originally granted June 3, 1983 and December 10, 1984, and modified on June 19, 2008, for operation of Station WDAE at variance from its license to counteract the effects of Cuban interference. In support of the request, CCBL states that the destructive Cuban interference is continuing to disrupt WDAE(AM)'s operations.

Accordingly, the request for 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 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 **June 23, 2010.**

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.**