

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

**MEDIA BUREAU**  
**AUDIO DIVISION**  
**APPLICATION STATUS:** (202) 418-2730  
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November 23, 2016

Robert H. Walls Jr., GC  
Clear Channel Broadcasting Licenses, Inc.  
2625 S. Memorial Drive, Suite A  
Tulsa, OK 74129

In re: WDAE(AM), St. Petersburg, FL  
Facility Identification Number: 74198  
Clear Channel Broadcasting Licenses, Inc. (CCBL)  
Special Temporary Authority (STA)  
BESTA-20161024ABN

Dear Mr. Walls:

This is in reference to the request filed on October 24, 2016. CCBL requests a further extension of the STA granted on June 3, 1983, and last modified on June 19, 2008, for operation with parameters at variance due to Cuban interference.<sup>1</sup> In support of the request, CCBL states that the interference continues.

Accordingly, the request for extension of STA IS HEREBY GRANTED, and station WDAE may continue to operate with increased nominal operating power, not to exceed 11.2 kW day/11.0 kW night; and increased antenna input power, not to exceed 11.2 kW day/11.6 kW night (per attached nighttime DA specifications). This authority is subject to termination upon reduction of power or cessation of operation by the Cuban facility or upon Commission instruction to WDAE to resume licensed operating parameters per BL-20070612ACM. The field strength at each monitor point must be measured monthly to assure proper operation. It will be necessary to reduce power if interference complaints are received.

This authority expires on **May 23, 2017**.

Sincerely,



Joseph Szczesny, Engineer  
Audio Division  
Media Bureau

Attachment: Directional Antenna Specifications  
cc: Gregory L. Masters., WR LLP (via e-mail only)

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<sup>1</sup> WDAE is currently licensed to operate on 620 kHz with 5.6 kW (ND) day, and 5.5 kW (DA) night.

## 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)
<b>Field Ratio:</b>	1.000	1.480
<b>Phasing (degrees):</b>	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**.