



Federal Communications Commission  
Washington, D.C. 20554  
September 19, 2022

Jordan Fasbender, EVP/GC/SEC  
IHM Licenses, LLC  
7136 S. Yale Ave, Suite 501  
Tulsa, OK 74136

In re: IHM Licenses, LLC (IHM)  
WDAE(AM), St. Petersburg, FL  
Facility Identification Number: 74198  
Special Temporary Authority (STA)  
BESTA-20220908AAA

Dear Mr. Fasbender:

This is in reference to the request filed on September 8, 2022. IHM requests a further extension of the STA granted on June 3, 1983, as last modified on June 19, 2008, for operation with increased day and night power to overcome Cuban interference.<sup>1</sup> In support of the request, IHM states that the interference continues.

Accordingly, the request for extension of the STA is **HEREBY GRANTED**, and IHM may continue to operate with a nominal power of 11.2 kW day (ND)/11.0 kW night (DA); using an antenna input power of 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 resume licensed operations per the last license (BL-20070612ACM). IHM must use whatever means are necessary to protect workers and the public from exposure to radio frequency radiation in excess of the Commission's exposure guidelines. *See* 47 CFR §1.1310.

This authority expires on **March 18, 2023**.

Sincerely,

A handwritten signature in blue ink that reads "Joe Szczesny".

Joseph Szczesny, Engineer  
Audio Division  
Media Bureau

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:

	<b>Tower #1(NW)</b>	<b>Tower #2 (SE)</b>
<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**.