Federal Communications Commission
Washington, D.C. 20554
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MEDIA BUREAU
AUDIO DIVISION
APPLICATION STATUS: (202) 418-2730
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Jorden 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-20210204AAC

Dear Mr. McNicol:

This is in reference to the request filed on February 4, 2021. IHM requests a further extension of the STA granted on June 3, 1983, as last modified on June 19, 2008, for operation with increased power to overcome Cuban interference.[1] 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); and 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 **August 25, 2021.**

Sincerely,

Joseph Szczesny, Engineer
Audio Division
Media Bureau

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

[1] 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)**
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.**