

# Federal Communications Commission

## AM BROADCAST STATION CONSTRUCTION PERMIT

**Licensee/Permittee**

MEDIATRIX SC,  
INC.  
P.O. BOX 905  
GREER, SC, 29652

**Call Sign**

WLTQ

**Facility ID**

73874

|   |   |  |
|---|---|--|
| <b>File Number</b><br>0000240000  | <b>This Permit Modifies License File No.</b><br>BML-20110427ABQ |  |
| <b>Filing Date</b><br>02/28/2024  | <b>Grant Date</b><br>04/25/2024                                 | <b>Expiration Date</b><br>36 months after the grant date |
| <b>Description Text</b><br>Reduction in daytime power from 5 kW to 1.1 kW only. |   |  |

|  |                               |                           |                             |
|--|-------------------------------|---------------------------|-----------------------------|
| <b>Community of License</b><br><b>City:</b> Charleston<br><b>State:</b> SC                           | <b>Frequency (KHz)</b><br>730 | <b>Station Class</b><br>D | <b>Service Type</b><br>Main |
| <b>Facility Type</b><br>Noncommercial Educational  |                               |                           |                             |
| <b>Hours of Operation</b><br>Daytime<br>Nighttime  |                               |                           |                             |
| <b>Station Antenna Modes/Antenna Types</b><br>Daytime: Non-Directional<br>Nighttime: Non-Directional |                               |                           |                             |

**Average Hours of Sunrise and Sunset**

Local Standard Time (Non-Advanced)

| Month     | Sunrise | Sunset |
|-----------|---------|--------|
| January   | 7:30    | 17:30  |
| February  | 7:00    | 18:00  |
| March     | 6:30    | 18:30  |
| April     | 5:45    | 18:45  |
| May       | 5:15    | 19:15  |
| June      | 5:15    | 19:30  |
| July      | 5:15    | 19:30  |
| August    | 5:45    | 19:00  |
| September | 6:00    | 18:30  |
| October   | 6:30    | 17:45  |
| November  | 6:45    | 17:15  |
| December  | 7:15    | 17:15  |

**Transmitter**

Type Accepted. See Sections 73.1660, 73.1665, and 73.1670 of the Commission's Rules

## Antenna Mode: Daytime

Antenna Type: Non-Directional

| <b>Antenna Coordinates (NAD 83)</b><br><br><b>Latitude</b><br>32° 46' 24.4" N<br><br><b>Longitude</b><br>80° 0' 55.7" W  | <b>Nominal Power (kW)</b><br>1.100                      |                    |                |                    |                    |               |           |             |                |                |                    |                    |               |         |   |   |   |   |   |      |
|--|---|--------------------|----------------|--------------------|--------------------|---------------|-----------|-------------|----------------|----------------|--------------------|--------------------|---------------|---------|---|---|---|---|---|------|
| <b>Antenna Structure Registration Number(s)</b> <table border="1"><thead><tr><th>Tower No.</th><th>ASRN</th><th>Overall Height (m)</th></tr></thead><tbody><tr><td>1</td><td>1234558</td><td>88.1</td></tr></tbody></table>  |   | Tower No.          | ASRN           | Overall Height (m) | 1                  | 1234558       | 88.1      |             |                |                |                    |                    |               |         |   |   |   |   |   |      |
| Tower No.  | ASRN  | Overall Height (m) |                |                    |                    |               |           |             |                |                |                    |                    |               |         |   |   |   |   |   |      |
| 1  | 1234558   | 88.1               |                |                    |                    |               |           |             |                |                |                    |                    |               |         |   |   |   |   |   |      |
| <b>Radiator Height</b><br>85.3 meters<br>74.8 degrees  | <b>Theoretical Efficiency</b><br>291.29 mV/m/kw at 1 km |                    |                |                    |                    |               |           |             |                |                |                    |                    |               |         |   |   |   |   |   |      |
| <b>Theoretical Parameters</b> <table border="1"><thead><tr><th>Tower No.</th><th>Field Ratio</th><th>Phasing (deg.)</th><th>Spacing (deg.)</th><th>Orientation (deg.)</th><th>Tower Ref. Switch*</th><th>Height (deg.)</th></tr></thead><tbody><tr><td>1</td><td>1</td><td>0</td><td>0</td><td>0</td><td>0</td><td>74.8</td></tr></tbody></table> <p>* Tower Reference Switch<br/>0 = Spacing and orientation from reference tower<br/>1 = Spacing and orientation from previous tower</p> |   |                    |                |                    |                    |               | Tower No. | Field Ratio | Phasing (deg.) | Spacing (deg.) | Orientation (deg.) | Tower Ref. Switch* | Height (deg.) | 1       | 1 | 0 | 0 | 0 | 0 | 74.8 |
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| 1  | 1   | 0                  | 0              | 0                  | 0                  | 74.8          |           |             |                |                |                    |                    |               |         |   |   |   |   |   |      |
| <b>Top-Loaded/Sectionalized Tower Parameters: (See 47 CFR 73.160)</b> <table border="1"><thead><tr><th>Tower No.</th><th>Tower Type</th><th>A</th><th>B</th><th>C</th><th>D</th></tr></thead><tbody><tr><td>1</td><td>Neither</td><td></td><td></td><td></td><td></td></tr></tbody></table>  |   |                    |                |                    |                    |               | Tower No. | Tower Type  | A              | B              | C                  | D                  | 1             | Neither |   |   |   |   |   |      |
| Tower No.  | Tower Type  | A                  | B              | C                  | D                  |               |           |             |                |                |                    |                    |               |         |   |   |   |   |   |      |
| 1  | Neither   |                    |                |                    |                    |               |           |             |                |                |                    |                    |               |         |   |   |   |   |   |      |

## Antenna Mode: Nighttime

Antenna Type: Non-Directional

| <b>Antenna Coordinates (NAD 83)</b><br><br><b>Latitude</b><br>32° 46' 24.4" N<br><br><b>Longitude</b><br>80° 0' 55.7" W  |             |                    |                | <b>Nominal Power (kW)</b><br>.103                       |                    |               |           |             |                    |                |                    |                    |               |         |   |   |   |   |   |      |
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| <b>Radiator Height</b><br>85.3 meters<br>74.8 degrees  |             |                    |                | <b>Theoretical Efficiency</b><br>291.29 mV/m/kw at 1 km |                    |               |           |             |                    |                |                    |                    |               |         |   |   |   |   |   |      |
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| 1  | 1           | 0                  | 0              | 0   | 0                  | 74.8          |           |             |                    |                |                    |                    |               |         |   |   |   |   |   |      |
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| 1  | Neither     |                    |                |   |                    |               |           |             |                    |                |                    |                    |               |         |   |   |   |   |   |      |

## Special operating conditions or restrictions

The permittee /licensee in coordination with other users of the site must reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.

- This tower is base insulated (series fed), is uniform in crosssection and is guyed.
- Ground system consists of 120 equally spaced, buried, copper radials about the base of the tower, each being 91.4 meters in length. A copper mesh ground screen is installed around the base of the tower.

Subject to the provisions of the Communications Act of 1934, as amended, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this permit, the permittee is hereby authorized to construct the radio transmitting apparatus herein described. Installation and adjustment of equipment not specifically set forth herein shall be in accordance with representations contained in the permittee's application for construction permit except for such modifications as are presently permitted, without application, by the Commission's Rules.

Pursuant to Section 73.3598, this Construction Permit will be subject to automatic forfeiture unless construction is complete and application for license is filed prior to expiration.

Equipment and program tests shall be conducted only pursuant to Sections 73.1610 and 73.1620 of the Commission's Rules.

