



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **13989** | Service: **DTV** | Call **WAVE** | Channel: **36 (UHF)** |  
 ID: | Sign:  
 File **0000025187**  
 Number:  
 FRN: **0018223693** | Date **06/23**  
 Submitted: **/2017**

## Applicant Information

### Applicant Name, Type, and Contact Information

| Applicant                           | Address                               | Phone             | Email                  | Applicant Type            |
|-------------------------------------|---------------------------------------|-------------------|------------------------|---------------------------|
| <b>WAVE LICENSE SUBSIDIARY, LLC</b> | 201 MONROE STREET                     | +1 (334) 206-1400 | fcclms@raycommedia.com | Limited Liability Company |
| Doing Business As:                  | RSA TOWER, 20TH FLOOR                 |                   |                        |                           |
| <b>WAVE LICENSE SUBSIDIARY, LLC</b> | MONTGOMERY, AL 36104<br>United States |                   |                        |                           |

## Reimbursement Contact Information

### Reimbursement Contact Name and Information

| Applicant      | Address | Phone | Email |
|----------------|---------|-------|-------|
| [Confidential] |         |       |       |

## Preparer Contact Information

### Preparer Contact Name and Information

| Applicant  | Address | Phone | Email |
|--|---------|-------|-------|
| The Preparer is same as the reimbursement contact. |         |       |       |

## Broadcaster Information and Transition Plan

| Question | Response |
|----------|----------|
|----------|----------|

|   |  |
|---|--|
| <p>Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.</p> | <p>Yes</p>   |
| <p>Briefly describe transition plan</p>   | <p>Install interim antenna/ Line and connect to existing combiner Remove top mounted antenna and install new antenna. Connect to existing dual broadband lines Install new main and backup transmitters.</p> |

**Transmitters**

| Section                                    | Question   | Response   |
|--|--|------------|
| <p><b>Transmitter Related Expenses</b></p> | <p>Do you have transmitter related expenses?</p> | <p>Yes</p> |

**Auxiliary  
Transmitter****Add Transmitter Information**

| <b>Section</b>  | <b>Question</b>  | <b>Response</b>       |
|---|--|-----------------------|
| <b>Existing Transmitter<br/>Description</b>           | Type of change   | Purchase<br>New       |
|   | Use  | Auxiliary<br>(Backup) |
|   | Description of Use   | Emergency<br>Backup   |
|   | Ownership  | Owned                 |
|   | Owner  | N/A                   |
|   | Site   | N/A                   |
|   | Is this transmitter currently shared with another station? | No                    |
|   | Is this transmitter currently in operating condition?      | Yes                   |
| <b>Existing Transmitter<br/>Manufacturer and Type</b> | Manufacturer   |                       |
|   | Model  | Ranger                |
|   | Year   | 2009                  |
|   | Type   | Solid State           |
|   | Solid State Cooling  | Air Cooled            |
|   | Solid State Power Capacity                                 | 1.1 kW                |

**Auxiliary  
Transmitter****New Transmitter Costs**

| Section                | Question                                  | Response  |
|------------------------|---|---|
| <b>New Transmitter</b> | Use                                       | Auxiliary<br>(Backup)                             |
|                        | Change Type                               | Purchase<br>New                                   |
|                        | Is this a request for upgraded equipment? | No  |
|                        | Manufacturer                              |   |
|                        | Model                                     | UAXTE-2   |
|                        | Transmitter Type                          | Solid State                                       |
|                        | Solid State Cooling                       | Air Cooled  |
|                        | Solid State Power capacity                | 1.2 kW  |
|                        | Justification for New Transmitter         | Existing<br>transmitter<br>can not be<br>returned |

**Auxiliary  
Transmitter****Other Transmitter Costs**

| Section                   | Question   | Response |
|---------------------------|--|----------|
| <b>Electrical Service</b> | Service Entrance (3 phases 800A 208V)                  | No       |
|                           | Switchgear (industrial 800 amp)                        | Yes      |
|                           | Transformer (480V)                                     | Yes      |
|                           | Power  | 150 kVA  |
|                           | Rigid Conduit and Wiring                               | No       |
|                           | Size   | N/A      |
|                           | Length   | N/A      |
|                           | Other Electrical Service                               | No       |
|                           | Description  | N/A      |
| <b>HVAC Service</b>       | Does the replacement transmitter require HVAC Service? | No       |

|  |   |     |
|--|---|-----|
|  | Type  | N/A |
|  | Size  | N/A |
|  | Other Size  | N/A |
| <b>Transmitter Building Addition/Modification or Leasehold Improvement</b> | Does the Transmitter Building require an addition, modification, other leasehold improvement? | No  |
|  | Size  | N/A |
| <b>Channel 14 Costs</b>  | Is an RF Consulting Engineer needed?  | N/A |
|  | Is a channel 14 Mask Filer needed?  | N/A |
|  | Is additional field engineering time needed?  | N/A |
|  | Number of Days  | N/A |

**Auxiliary Transmitter** **Other Transmitter Cost Not Listed**  
Information not provided.

**Primary  
Transmitter**

**Existing Transmitter Information**

| <b>Section</b>  | <b>Question</b>  | <b>Response</b>          |
|---|--|--------------------------|
| <b>Existing Transmitter<br/>Description</b>           | Type of change   | Purchase<br>New          |
|   | Use  | Primary<br>(Main)        |
|   | Description of Use   | N/A                      |
|   | Ownership  | Owned                    |
|   | Owner  | N/A                      |
|   | Site   | N/A                      |
|   | Is this transmitter currently shared with another station? | No                       |
|   | Is this transmitter currently in operating condition?      | Yes                      |
| <b>Existing Transmitter<br/>Manufacturer and Type</b> | Manufacturer   |                          |
|   | Model  | Sigma                    |
|   | Year   | 2003                     |
|   | Type   | Inductive<br>Output Tube |
|   | IOT Power Type   | Single                   |
|   | Power Capacity   | 23.7 kW                  |

**Primary  
Transmitter**

**New Transmitter Costs**

| Section                | Question                                  | Response                                 |
|------------------------|---|--|
| <b>New Transmitter</b> | Use                                       | Primary (Main)                           |
|                        | Change Type                               | Purchase New                             |
|                        | Is this a request for upgraded equipment? | Yes                                      |
|                        | Manufacturer                              |  |
|                        | Model                                     | ULXTE-30                                 |
|                        | Transmitter Type                          | Solid State                              |
|                        | Solid State Cooling                       | Liquid Cooled                            |
|                        | Solid State Power capacity                | 17.2 kW                                  |
|                        | Justification for New Transmitter         | Existing transmitter can not be returned |

**Primary  
Transmitter**

**Other Transmitter Costs**

| Section                   | Question                              | Response |
|---------------------------|---------------------------------------|----------|
| <b>Electrical Service</b> | Service Entrance (3 phases 800A 208V) | No       |
|                           | Switchgear (industrial 800 amp)       | Yes      |
|                           | Transformer (480V)                    | Yes      |
|                           | Power                                 | 300 kVA  |
|                           | Rigid Conduit and Wiring              | No       |
|                           | Size                                  | N/A      |
|                           | Length                                | N/A      |
|                           | Other Electrical Service              | No       |
|                           | Description                           | N/A      |

|  |   |     |
|--|---|-----|
| <b>HVAC Service</b>  | Does the replacement transmitter require HVAC Service?  | No  |
|  | Type  | N/A |
|  | Size  | N/A |
|  | Other Size  | N/A |
| <b>Transmitter Building Addition/Modification or Leasehold Improvement</b> | Does the Transmitter Building require an addition, modification, other leasehold improvement? | No  |
|  | Size  | N/A |
| <b>Channel 14 Costs</b>  | Is an RF Consulting Engineer needed?  | N/A |
|  | Is a channel 14 Mask Filer needed?  | N/A |
|  | Is additional field engineering time needed?  | N/A |
|  | Number of Days  | N/A |

**Primary Transmitter**      **Other Transmitter Cost Not Listed**  
Information not provided.



**Antennas**

| Section                  | Question                              | Response |
|--------------------------|---------------------------------------|----------|
| Antenna Related Expenses | Do you have antenna related expenses? | Yes      |

**Primary  
Antenna**

**Existing Antenna Information**

| <b>Section</b>                                    | <b>Question</b>  | <b>Response</b>    |
|---|--|--------------------|
| <b>Existing Antenna<br/>Description</b>           | Type of change   | Purchase<br>New    |
|   | Antenna Use  | Primary<br>(Main)  |
|   | Description of Use   | N/A                |
|   | Ownership  | Owned              |
|   | Owner  | N/A                |
|   | Site   | N/A                |
|   | Is the existing antenna shared with another station or stations? | Yes                |
|   | Is the existing antenna directional?                             | Yes                |
|   | Is antenna in operating condition?                               | Yes                |
|   | Is antenna located on or in close proximity to an antenna farm?  | No                 |
| <b>Existing Antenna<br/>Manufacturer and Type</b> | Class  | Full Power         |
|   | Mounting   | Top Mount          |
|   | Antenna position in stack  | Not in Stack       |
|   | Polarization   | Horizontal         |
|   | Type   | Broadband<br>Panel |
|   | Number of Stations Supported                                     | 2                  |
|   | Number of Panels   | 12                 |
|   | Design power capacity in use                                     | 50.0 %             |
|   | Lower Limit  | 545.00 MHz         |
|   | Upper Limit  | 695.00 MHz         |
|   | Other Antenna Type   | N/A                |
|   | ERP: (Effective Radiated Power)<br>.....                         | 1000.0 kW          |

|              |                              |
|--------------|------------------------------|
| Manufacturer |                              |
| Model        | ABBP14H4-<br>HTOC5-26<br>/51 |
| Year         | 2003                         |

**Facility ID's and Call Signs of  
all stations with whom the  
antenna is shared.**

| Facility ID | Call Sign |
|-------------|-----------|
| 53939       | WLKY      |

**Primary  
Antenna**

**New Antenna Costs**

| Section                                   | Question   | Response        |
|---|--|-----------------|
| <b>New Antenna Description</b>            | Use  | Primary (Main)  |
|   | Description of Use   | N/A             |
|   | Change Type  | Purchase New    |
|   | Is this a request for upgraded equipment?                            | Yes             |
|   | Ownership  | Owned           |
|   | Owner  | N/A             |
|   | Is antenna shared?   | Yes             |
|   | Is antenna directional?  | Yes             |
|   | Will antenna be located on or in close proximity to an antenna farm? | No              |
| <b>New Antenna Manufacturer and Types</b> | Class  | Full Power      |
|   | Mounting   | Top Mount       |
|   | Antenna position in stack  | Not in Stack    |
|   | Polarization   | Elliptical      |
|   | Type   | Broadband Panel |
|   | Number of Stations Supported   | 2               |
|   | Number of Panels/Bays  | 14              |
|   | Lower Limit  | 470.00 MHz      |
|   | Upper Limit  | 605.00 MHz      |
|   | Design power capacity in use   | 50.0 %          |
|   | Other Antenna Type   | N/A             |
|   | ERP: (Effective Radiated Power)<br>.....                             | 813.0 kW        |
|   | Manufacturer   |                 |

|                               |                                      |
|-------------------------------|--------------------------------------|
| Model                         | TUD-C5-14<br>/70-2-T                 |
| Year                          | 2019                                 |
| Justification for New Antenna | Existing antenna can not be returned |

**Primary Antenna**

**Other Antenna Costs**

| Section                            | Question  | Response                |
|------------------------------------|---|-------------------------|
| <b>Combiner for Shared Antenna</b> | Do you need a Combiner for a Shared Antenna?  | Yes                     |
|                                    | Type  | New                     |
|                                    | Number of channels supported  | 2                       |
|                                    | Frequencies of channels supported   | RF channel              |
|                                    | Frequency   | N/A                     |
|                                    | Do you need a combiner output splitter /switcher for dual feed lines?                                       | Yes                     |
| <b>Elbow Complex</b>               | Do you require the separate purchase of the Elbow Complex?  | Yes                     |
|                                    | Broadband or Single Channel?  | Broadband               |
|                                    | Feed Line Size  | 7 3/16 inches<br>inches |
| <b>Side Mount Brackets</b>         | Do you require the separate purchase of side mount brackets for a high power antenna?                       | No                      |
| <b>Pattern Scatter Analysis</b>    | Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna? | No                      |
| <b>Sweep Test</b>                  | Do you require the sweep testing of transmission line and antenna?  | Yes                     |

**Enter a list of RF channel numbers.**

**RF Channel Number**

14

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36

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**Primary  
Antenna**

**Other Antenna Cost Not Listed**

Information not provided.

**Interim  
Antenna**

**New Antenna Costs**

| Section                                      | Question   | Response           |
|--|--|--------------------|
| <b>New Antenna Description</b>               | Use  | Interim            |
|  | Description of Use   | N/A                |
|  | Change Type  | Purchase<br>New    |
|  | Ownership  | Owned              |
|  | Owner  | N/A                |
|  | Is antenna shared?   | Yes                |
|  | Is antenna directional?  | Yes                |
|  | Will antenna be located on or in close proximity to an antenna farm? | No                 |
| <b>New Antenna<br/>Manufacturer and Type</b> | Class  | Full Power         |
|  | Mounting   | Side Mount         |
|  | Antenna position in stack  | Not in Stack       |
|  | Polarization   | Horizontal         |
|  | Type   | Slotted<br>Coaxial |
|  | Number of Stations Supported   | N/A                |
|  | Number of Panels/Bays  | N/A                |
|  | Lower Limit  | N/A                |
|  | Upper Limit  | N/A                |
|  | Design power capacity in use   | N/A                |
|  | Other Antenna Type   | N/A                |
|  | ERP: (Effective Radiated Power)                                      | 1000.0 kW          |
|  | Manufacturer   |                    |
|  | Model  | TFU-WB16           |
|  | Year   | 2019               |
| Justification for New Antenna                | Transition   |                    |

side mount antenna needed to enable removal of existing top mount antenna and installation of new repack channel capable antenna.

**Interim Antenna**

**Other Antenna Costs**

| Section                            | Question  | Response |
|------------------------------------|---|----------|
| <b>Combiner for Shared Antenna</b> | Do you need a Combiner for a Shared Antenna?  | No       |
|                                    | Type  |          |
|                                    | Number of channels supported  | N/A      |
|                                    | Frequencies of channels supported   | N/A      |
|                                    | Frequency   | N/A      |
|                                    | Do you need a combiner output splitter /switcher for dual feed lines?                                       | N/A      |
| <b>Elbow Complex</b>               | Do you require the separate purchase of the Elbow Complex?  | No       |
|                                    | Broadband or Single Channel?  | N/A      |
|                                    | Feed Line Size  | N/A      |
| <b>Side Mount Brackets</b>         | Do you require the separate purchase of side mount brackets for an antenna?                                 | Yes      |
| <b>Pattern Scatter Analysis</b>    | Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna? | No       |
| <b>Sweep Test</b>                  | Do you require the sweep testing of transmission line and antenna?  | Yes      |



**Interim  
Antenna**

**Other Antenna Cost Not Listed**

Information not provided.

| Transmission Line | Section                            | Question | Response  |
|-------------------|------------------------------------|----------|---|
|                   | Transmission Line Related Expenses |          | Do you have transmission line related expenses? |

**Primary Transmission Line**  
**Existing Transmission Line**

| Section  | Question   | Response          |
|--|--|-------------------|
| Existing Transmission Line Description           | Type of change   | Utilize Existing  |
|  | Use  | Primary (Main)    |
|  | Description of Use   | N/A               |
|  | Ownership  | Owned             |
|  | Owner  | N/A               |
|  | Site   | N/A               |
|  | Is the existing transmission line shared with another station or stations? | Yes               |
|  | Is Transmission Line in operating condition?                               | Yes               |
| Existing Transmission Line Manufacturer and Type | Manufacturer   | Dielectric        |
|  | Type   | Rigid             |
|  | Diameter   | 7 3/16 inches     |
|  | Other Diameter   | N/A               |
|  | Segment Length   | Broadband         |
|  | Other Segment Length   | N/A               |
|  | Number of parallel runs  | 2                 |
|  | Length   | 1000 feet per run |

**Facility ID's and Call Signs of all stations with whom the transmission line is shared.**

| Facility ID | Call Sign |
|-------------|-----------|
| 53939       | WLKY      |

**Primary Transmission Line**      **Other Transmission Line Expenses Not Listed**  
 Information not provided.

**Interim Transmission Line**      **New Transmission Line**

| Section                                 | Question                                | Response         |
|---|---|------------------|
| <b>New Transmission Line Costs</b>      | Use                                     | Interim          |
|   | Description of Use                      | N/A              |
|   | Change Type                             | Purchase New     |
|   | Type                                    | Rigid            |
|   | Diameter                                | 6 1/8 inches     |
|   | Segment Length                          | Broadband        |
|   | Other Segment Length                    |                  |
|   | Number of parallel runs                 | 1                |
|   | Length                                  | 950 feet per run |
| Justification for New Transmission Line | Interim during new antenna installation |                  |

**Interim Transmission Line**      **Other Transmission Line Expenses Not Listed**  
 Information not provided.

**Tower Equipment And Rigging Costs**

| Section                                  | Question  | Response |
|--|---|----------|
| Tower Equipment or Rigging Costs Changes | Do you have tower equipment or rigging costs changes? | Yes      |

**Primary Tower**

**Existing Tower**

| Section  | Question  | Response                      |
|--|---|-------------------------------|
| <b>Existing Tower Description</b>                          | Type of change  | Modify Existing               |
|  | Tower Use   | Primary (Main)                |
|  | Description of Use                                      | N/A                           |
|  | Ownership   | Owned                         |
|  | Is this tower consider Complex?                         | No                            |
|  | Is this tower currently shared with any other stations? | Yes                           |
|  | One or more FM, AM or TV radio broadcaster(s)           | Yes                           |
|  | Others Types of Users                                   | No                            |
|  | Is tower documented for structural analysis?            | Yes                           |
|  | Is tower compliant with Rev G?                          | No                            |
| <b>Existing Tower Structure Registration</b>               | Do you have a tower registration number?                | Yes                           |
|  | ASR Number  | 1230057                       |
| <b>Coordinates (NAD83 ( North American Datum of 1983))</b> | Latitude (NAD83)  | 38° 22' 08.4" N-              |
|  | Longitude (NAD83)                                       | 085° 49' 47.6" W-             |
|  | Overall Structure Height                                | 960.95 feet                   |
|  | Support Structure Height                                | 899.92 feet                   |
|  | Ground Elevation Above Mean Sea Level (AMSL)            | 982.93 feet                   |
|  | Structure Type  | GTOWER - Guyed Structure Used |

|  |                  |                                  |
|--|------------------|----------------------------------|
|  |                  | for<br>Communication<br>Purposes |
|  | Tower Owner      | P & B Towers<br>LLC              |
|  | Date Constructed | 03/11/2015                       |

**FM, AM or TV radio  
broadcasters. Facility ID's,  
Call Signs and Services of  
other broadcast stations with  
whom the tower is shared**

| Facility ID | Call Sign | Service |
|-------------|-----------|---------|
| 53939       | WLKY      | DTV     |

**Primary  
Tower**

**Tower Modification Costs**

| Section                     | Question   | Response                          |
|-----------------------------|--|-----------------------------------|
| <b>Engineering Study</b>    | Please what type of engineering study is required, if any: | Study needed for documented tower |
| <b>Tower Reinforcements</b> | Please select whether tower reinforcements are needed:     | Minor Reinforcements needed       |

**Primary  
Tower**

**Tower Rigging Costs**

| Section                             | Question                          | Response |
|-------------------------------------|-----------------------------------|----------|
| <b>Tower Rigging Costs</b>          | Complex Tower                     | N/A      |
| <b>Helicopter Services Required</b> | Are helicopter services required? | No       |

**Primary  
Tower**

**Other Tower Expenses Not Listed**

Information not provided.

**Outside Professional Services Costs**

| Section   | Question   | Response  |
|---|--|---|
| <b>Outside Project Management Services</b>        | Do you require outside project management services?                          | Yes   |
|   | Number of Hours  | 300   |
|   | Explanation  | Pattern analysis<br>Antenna Spec<br>Transmitter Spec<br>Building drawings<br>Installation Supervision<br>Accounting<br>Internal Legal |
| <b>Outside RF consulting Engineering Services</b> | Perform engineering study for new channel assignment and antenna development | Yes   |
|   | Prepare engineering section of Form FCC Construction Permit Application      | Yes   |
|   | For Auxiliary Facility   | No  |
|   | For Main Facility  | Yes   |
|   | Prepare engineering section of Form FCC License to Cover Application         | Yes   |
|   | For Auxiliary Facility   | No  |
|   | For Main Facility  | Yes   |
|   | Prepare request for Special Temporary Authority                              | No  |
|   | Quantity   | N/A   |
|   | Do you have Distributed Transmission System engineering services?            | N/A   |
|   | Critical Facility  | N/A   |
| Terrain-Shielded Facility                         | N/A  |   |
| <b>Attorney and Other Outside Consulting</b>      | Prepare and file Form FCC Construction Permit Application                    | Yes   |

**Services**

|                                      |  |     |
|--------------------------------------|--|-----|
|                                      | For Auxiliary Facility   | No  |
|                                      | For Main Facility  | Yes |
|                                      | Prepare and file Form FCC License to Cover Application                                     | Yes |
|                                      | For Auxiliary Facility   | No  |
|                                      | For Main Facility  | Yes |
|                                      | Prepare request for Special Temporary Authority  | No  |
|                                      | Quantity   | N/A |
|                                      | NEPA Section 106 environmental review  | No  |
|                                      | Environmental Assessment   | No  |
|                                      | ASR Modification   | No  |
|                                      | FAA Consultation (including preparation of FAA Form 7460)                                  | No  |
|                                      | Negotiation of Lease and other Matter for Shared Locations                                 | No  |
|                                      | Prepare or Review FCC Form 399 for Reimbursement   | No  |
|                                      | Address transition timing and coordination issues w/ other stations and wireless providers | No  |
| <b>RF Field Engineering Services</b> | Comprehensive coverage verification via field study  | Yes |
|                                      | RF exposure measurements   | No  |
|                                      | Additional Field Engineering Service   | No  |
|                                      | Number of Days   | N/A |
|                                      | Justification  | N/A |

**Other Professional Services Expenses Not Listed**

**Outside  
Professional  
Services  
Costs**

Information not provided.

**Other Expenses**

| Section                             | Question   | Response |
|-------------------------------------|--|----------|
| <b>AM Pattern Disturbance</b>       | Is an Impact Study needed?   | No       |
|                                     | Is Remediation needed?   | No       |
| <b>Facility Expenses</b>            | Name   | N/A      |
|                                     | Other Distributed Transmission System Expenses Not listed  | N/A      |
|                                     | Name   | N/A      |
|                                     | Is Notification of a Medical Facility required as a result of DTV broadcasting?                                      | Yes      |
| <b>Permit and Filing Costs</b>      | Local Zoning   | No       |
|                                     | Non-zoning permits   | No       |
|                                     | BLM or NFS Coordination  | No       |
|                                     | FCC Construction Permit Minor Change   | No       |
|                                     | FCC License to Cover Application   | No       |
|                                     | FCC Special Temporary Authority Application  | No       |
| <b>Other Miscellaneous Expenses</b> | Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?        | No       |
|                                     | Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs? | Yes      |
|                                     | Does this relocation require Equipment Storage?  | Yes      |
|                                     | Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?     | Yes      |
|                                     | Does this relocation require MVPD Notification of a Channel Change?  | Yes      |



**Other  
Expenses**

**Other Expenses Not Listed**

Information not provided.

**Cost  
Information**

**Transmitters**

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

| Description  | Predetermined Cost Estimate | Estimated Cost        | Estimated Cost Justification | Actual Cost   | Actual Cost Justification |
|--|-----------------------------|-----------------------|------------------------------|---------------|---------------------------|
| <b>Primary Transmitter ULXTE-30</b>                      | <b>\$759,000.00</b>         | <b>\$812,035.00</b>   |                              | <b>\$0.00</b> |                           |
| Transformer 3 phase/480v - 300 KVA                       | \$36,800.00                 | \$35,000.00           | N/A                          | N/A           | N/A                       |
| UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW | \$684,000.00                | \$740,735.00          | Quote attached               | N/A           | N/A                       |
| Switchgear - industrial 800 amp                          | \$38,200.00                 | \$36,300.00           | N/A                          | N/A           | N/A                       |
| <b>Auxiliary Transmitter UAXTE-2</b>                     | <b>\$189,750.00</b>         | <b>\$120,867.00</b>   |                              | <b>\$0.00</b> |                           |
| Transformer 3 phase/480v - 150 KVA                       | \$25,550.00                 | \$24,300.00           | N/A                          | N/A           | N/A                       |
| Switchgear - industrial 800 amp                          | \$38,200.00                 | \$36,300.00           | N/A                          | N/A           | N/A                       |
| UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW      | \$126,000.00                | \$60,267.00           | Quote attached               | N/A           | N/A                       |
| <b>Sub-total</b>   | <b>\$948,750.00</b>         | <b>\$932,902.00</b>   | N/A                          | <b>\$0.00</b> | N/A                       |
| <b>Total for all systems</b>                             | <b>\$2,882,636.00</b>       | <b>\$2,502,760.00</b> | N/A                          | <b>\$0.00</b> | N/A                       |

## **Components**

Information not provided.

**Cost Information**

**Antennas**

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

| Description   | Predetermined Cost Estimate | Estimated Cost      | Estimated Cost Justification                               | Actual Cost   | Actual Cost Justification |
|---|-----------------------------|---------------------|--|---------------|---------------------------|
| <b>Interim Antenna TFU-WB16</b>   | <b>\$144,036.00</b>         | <b>\$114,156.00</b> |  | <b>\$0.00</b> |                           |
| Sweep test of existing antenna  | \$6,730.00                  | \$0.00              | included in antenna quote                                  | N/A           | N/A                       |
| Side mount brackets for high power antennas (if not included in antenna base cost)                                  | \$23,150.00                 | \$0.00              | included in antenna quote                                  | N/A           | N/A                       |
| UHF - High Power, Side Mount, basic slot antenna, 1000 kW input, directional,, horizontally polarized               | <i>\$114,156.00</i>         | \$114,156.00        | Quote attached Estimated tax and shipping included in cost | N/A           | N/A                       |
| <b>Primary Antenna TUD-C5-14/70-2-T</b>   | <b>\$1,001,780.00</b>       | <b>\$764,069.00</b> |  | <b>\$0.00</b> |                           |
| UHF - High Power Top Mount (200-1000 kW), Two Station broadband panel antenna, elliptically or circularly polarized | \$768,000.00                | \$634,069.00        | Quote attached Estimated tax and shipping included in cost | N/A           | N/A                       |
| Sweep test of existing antenna  | \$6,730.00                  | \$0.00              | included in antenna cost                                   | N/A           | N/A                       |

|  |                |                |  |        |     |
|--|----------------|----------------|--|--------|-----|
| New combiner, cost per channel (without antenna)                             | \$84,200.00    | \$80,000.00    | Do not yet have a quote                  | N/A    | N/A |
| Combiner output splitting /switching for dual feed lines, if applicable      | \$126,000.00   | \$50,000.00    | Estimated cost Do not yet have the quote | N/A    | N/A |
| Elbow complex, broadband, at antenna input, per 7 3/16. feedline (if needed) | \$16,850.00    | \$0.00         | included in antenna quote                | N/A    | N/A |
| <b>Sub-total</b>   | \$1,145,816.00 | \$878,225.00   | N/A                                      | \$0.00 | N/A |
| <b>Total for all systems</b>   | \$2,882,636.00 | \$2,502,760.00 | N/A                                      | \$0.00 | N/A |

### Components

Information not provided.

**Cost Information**

**Transmission Line**

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

| Description  | Predetermined Cost Estimate | Estimated Cost        | Estimated Cost Justification                               | Actual Cost   | Actual Cost Justification |
|--|-----------------------------|-----------------------|--|---------------|---------------------------|
| <b>Interim Transmission Line</b>                   | <b>\$220,400.00</b>         | <b>\$158,433.00</b>   |  | <b>\$0.00</b> |                           |
| Rigid Transmission Line - copper, 6 1/8" broadband | \$220,400.00                | \$158,433.00          | Quote attached Estimated tax and shipping included in cost | N/A           | N/A                       |
| <b>Primary Transmission Line</b>                   | <b>\$0.00</b>               | <b>\$0.00</b>         |  | <b>\$0.00</b> |                           |
| <b>Sub-total</b>                                   | <b>\$220,400.00</b>         | <b>\$158,433.00</b>   | N/A  | <b>\$0.00</b> | N/A                       |
| <b>Total for all systems</b>                       | <b>\$2,882,636.00</b>       | <b>\$2,502,760.00</b> | N/A  | <b>\$0.00</b> | N/A                       |

**Components**

Information not provided.

**Cost Information**

**Tower Equipment and Rigging Costs**

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

| Description   | Predetermined Cost Estimate | Estimated Cost        | Estimated Cost Justification | Actual Cost   | Actual Cost Justification |
|---|-----------------------------|-----------------------|------------------------------|---------------|---------------------------|
| <b>Primary Tower<br/>GTOWER</b>                                   | <b>\$381,100.00</b>         | <b>\$362,000.00</b>   |                              | <b>\$0.00</b> |                           |
| Structural engineering tower load study for well documented tower | \$12,600.00                 | \$12,000.00           | N/A                          | N/A           | N/A                       |
| Minor tower reinforcement /modifications                          | \$158,000.00                | \$150,000.00          | N/A                          | N/A           | N/A                       |
| Tall Tower (greater than 500')                                    | \$210,500.00                | \$200,000.00          | N/A                          | N/A           | N/A                       |
| <b>Sub-total</b>  | <b>\$381,100.00</b>         | <b>\$362,000.00</b>   | N/A                          | <b>\$0.00</b> | N/A                       |
| <b>Total for all systems</b>                                      | <b>\$2,882,636.00</b>       | <b>\$2,502,760.00</b> | N/A                          | <b>\$0.00</b> | N/A                       |

**Components**

Information not provided.

**Cost  
Information**

**Outside Professional Services**

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

| Description  | Predetermined Cost Estimate | Estimated Cost      | Estimated Cost Justification | Actual Cost   | Actual Cost Justification |
|--|-----------------------------|---------------------|------------------------------|---------------|---------------------------|
| <b>Outside Professional Services</b>   | <b>\$151,320.00</b>         | <b>\$143,750.00</b> |                              | <b>\$0.00</b> |                           |
| Project management of the transition   | \$47,400.00                 | \$45,000.00         | N/A                          | N/A           | N/A                       |
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application   | \$3,155.00                  | \$3,000.00          | N/A                          | N/A           | N/A                       |
| Comprehensive coverage verification via field study, if needed                         | \$84,200.00                 | \$80,000.00         | N/A                          | N/A           | N/A                       |
| Prepare engineering section of FCC Form 2100 (main), License to Cover Application      | \$1,580.00                  | \$1,500.00          | N/A                          | N/A           | N/A                       |
| Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application | \$5,260.00                  | \$5,000.00          | N/A                          | N/A           | N/A                       |
| Attorney Fees - Prepare and File FCC Form 2100   | \$2,365.00                  | \$2,250.00          | N/A                          | N/A           | N/A                       |



(main), License  
to Cover  
Application

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|  |                |                |     |        |     |
|--|----------------|----------------|-----|--------|-----|
| Perform engineering study for new channel assignment and antenna development | \$7,360.00     | \$7,000.00     | N/A | N/A    | N/A |
| <b>Sub-total</b>   | \$151,320.00   | \$143,750.00   | N/A | \$0.00 | N/A |
| <b>Total for all systems</b>   | \$2,882,636.00 | \$2,502,760.00 | N/A | \$0.00 | N/A |

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### Components

Information not provided.

**Cost Information**

**Other Expenses**

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

| Description   | Predetermined Cost Estimate | Estimated Cost        | Estimated Cost Justification                       | Actual Cost   | Actual Cost Justification |
|---|-----------------------------|-----------------------|--|---------------|---------------------------|
| <b>Other Expenses</b>                                   | <b>\$35,250.00</b>          | <b>\$27,450.00</b>    |  | <b>\$0.00</b> |                           |
| Equipment Delivery and Handling Charges                 | <i>\$2,500.00</i>           | \$2,500.00            | On site forklift rental estimate                   | N/A           | N/A                       |
| Equipment Storage                                       | <i>\$20,000.00</i>          | \$20,000.00           | Estimate for Dielectric on site antenna storage    | N/A           | N/A                       |
| DTV Medical Facility Notification                       | \$11,550.00                 | \$3,750.00            | Group quote attached                               | N/A           | N/A                       |
| Develop and air announcement of upcoming channel change | <i>\$1,200.00</i>           | \$1,200.00            | estimate for on air rescan announcement production | N/A           | N/A                       |
| MVPD Notification of Channel Change                     | <i>\$0.00</i>               | \$0.00                | N/A  | N/A           | N/A                       |
| <b>Sub-total</b>  | <b>\$35,250.00</b>          | <b>\$27,450.00</b>    | N/A  | <b>\$0.00</b> | N/A                       |
| <b>Total for all systems</b>                            | <b>\$2,882,636.00</b>       | <b>\$2,502,760.00</b> | N/A  | <b>\$0.00</b> | N/A                       |

**Components**

Information not provided.

**Cost Information** **Grand Total**

|                              | <b>Predetermined Cost Estimate</b> | <b>Estimated Cost</b> | <b>Actual Cost</b> |
|------------------------------|------------------------------------|-----------------------|--------------------|
| <b>Total for all systems</b> | \$2,882,636.00                     | \$2,502,760.00        | \$0.00             |

**Reimbursement Status**

| <b>Question</b>  | <b>Response</b> |
|--|-----------------|
| The facility has ceased operating on its pre-auction channel.  | No              |
| Construction of final facilities or all necessary modifications are complete.  | No              |
| All receipts for reimbursement have been submitted no further costs are expected to be incurred. Note this will lock the Form 399 from further editing and begin close-out procedures with the Fund Administrator. | No              |

| Certification | Section   | Question   | Response |
|---------------|---|--|----------|
|               | <p><b>Submission of Estimated Expenses Statements</b></p> | <p>WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.</p>  |          |
|               |   | <ol style="list-style-type: none"> <li>1. The Authorized Person signing below certifies that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity.</li> <li>2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> <li>3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.</li> <li>4. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (broadcasters) or to continue to carry the</li> </ol> |          |

signal of a broadcaster that changes channels (MVPD).

5. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
6. The above-named entity certifies that it will maintain and provide to the Commission detailed records, including receipts, of all costs eligible for reimbursement actually incurred.
7. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.
8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.

I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.

**Robert  
Thurber**  
*VP,  
Engineering*

06/23/2017

## Attachments