



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **2174** | Service: **DTV** | Call **WMTJ** | Channel: **15 (UHF)** |  
ID: | Sign:  
File **0000028744**  
Number:  
FRN: **0001731298** | Date **08/24**  
Submitted: **/2018**

## Applicant Information

### Applicant Name, Type, and Contact Information

| Applicant  | Address   | Phone             | Email              | Applicant Type                                 |
|--|---|-------------------|--------------------|--|
| <b>SISTEMA UNIVERSITARIO ANA G. MENDEZ, INC.</b><br>Doing Business As: SISTEMA UNIVERSITARIO ANA G. MENDEZ, INC. | P. O. BOX 21345<br>SAN JUAN,<br>PR 00928<br>United States | +1 (787) 766-2600 | ca_adiaz@suagm.edu | Private Not-for-Profit Educational Institution |

## 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              |
|---|---|-------------------|--------------------|
| <b>Ariel Diaz</b><br><i>Engineering VP</i><br>SISTEMA UNIVERSITARIO ANA G. MENDEZ, INC. | ARIEL DIAZ<br>Sistema-TV<br>PO Box 21345<br>San Juan, PR 00928<br>United States | +1 (787) 766-2600 | ca_adiaz@suagm.edu |

**Broadcaster  
Information  
and  
Transition  
Plan**

| Question   | Response  |
|--|---|
| 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. | No  |
| Briefly describe transition plan   | File CP, Perform Tower inspection and orders for equipment. File STA, Field Survey and Design. Install interim antenna. Remove present antenna. New equipment installation. Send notifications. File License. Narrative Attached. |

**Transmitters**

| Section                      | Question                                  | Response |
|------------------------------|---|----------|
| Transmitter Related Expenses | Do you have transmitter related expenses? | Yes      |

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

| Section   | Question   | Response              |
|---|--|-----------------------|
| <b>Existing Transmitter<br/>Description</b>           | Type of change   | Purchase<br>New       |
|   | Use  | Auxiliary<br>(Backup) |
|   | Description of Use   | Backup<br>Transmitter |
|   | 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  | DT835A                |
|   | Year   | 2000                  |
|   | Type   | Solid State           |
|   | Solid State Cooling  | Air Cooled            |
|   | Solid State Power Capacity                                 | 3 kW                  |

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

| Section         | Question                                  | Response   |
|-----------------|---|--|
| New Transmitter | Use                                       | Auxiliary (Backup)   |
|                 | Change Type                               | Purchase New   |
|                 | Is this a request for upgraded equipment? | Yes  |
|                 | Manufacturer                              |  |
|                 | Model                                     | MPTV-PRLX-U3   |
|                 | Transmitter Type                          | Solid State  |
|                 | Solid State Cooling                       | Liquid Cooled  |
|                 | Solid State Power capacity                | 5 kW   |
|                 | Justification for New Transmitter         | The original manufacturer ADC Telecommunication is no longer on the market. The successor manufacturer does not support this product |

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

| Section            | Question                              | Response  |
|--------------------|---------------------------------------|-----------|
| Electrical Service | Service Entrance (3 phases 800A 208V) | No        |
|                    | Switchgear (industrial 800 amp)       | No        |
|                    | Transformer (480V)                    | No        |
|                    | Power                                 | N/A       |
|                    | Rigid Conduit and Wiring              | Yes       |
|                    | Size                                  | 2 inches  |
|                    | Length                                | 40.0 feet |
|                    | Other Electrical Service              | Yes       |
|                    |                                       |           |

|  |   |  |
|--|---|--|
|  | Description   | Electrical<br>Panel<br>Distribution<br>modifications,<br>circuit<br>breakers,<br>rewiring.<br>Surge<br>Protector,<br>Voltage<br>Regulator<br>and UPS are<br>required for<br>the new<br>transmitter<br>installation |
| <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

| Name                     | Description  |
|--------------------------|--|
| <b>Equipment Crating</b> | Equipment Crating for Ocean Shipping   |
| <b>Motorized Switch</b>  | Extra cost for replace an included (3) port Manual Patch Panel on the transmitter proposal as the existing transmission system |

|   |   |
|---|---|
| <b>Upgraded Mask Filter from 6 to 8 poles</b> | Charge to replace an included RF Mask Filter on the transmitter proposal with 8 pole filter           |
| <b>Maritime Transportation</b>                | Due to the particular conditions of the island, special maritime transportation is required to a port |

**Primary  
Transmitter**

**Existing Transmitter Information**

| Section   | Question   | Response                    |
|---|--|-----------------------------|
| <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  | CTT-U<br>DCX-1<br>Millenium |
|   | Year   | 2004                        |
|   | Type   | Inductive<br>Output Tube    |
|   | IOT Power Type   | Single                      |
|   | Power Capacity   | 20 kW                       |

**Primary  
Transmitter**

**New Transmitter Costs**

| Section         | Question                                  | Response  |
|-----------------|---|---|
| New Transmitter | Use                                       | Primary<br>(Main)   |
|                 | Change Type                               | Purchase<br>New   |
|                 | Is this a request for upgraded equipment? | Yes   |
|                 | Manufacturer                              |   |
|                 | Model                                     | MPTV-<br>PRLX-U6  |
|                 | Transmitter Type                          | Solid State   |
|                 | Solid State Cooling                       | Liquid<br>Cooled  |
|                 | Solid State Power capacity                | 9.7 kW  |
|                 | Justification for New Transmitter         | Hitachi<br>Kokusai<br>Electric<br>Comark<br>LLC<br>(HKCM)<br>informed us<br>that they will<br>not be able<br>to re-<br>channel our<br>DCX<br>transmitter.<br>The request<br>for a solid<br>state<br>transmitter<br>is because<br>the cost of a<br>new IOT<br>DCX<br>paragon<br>transm. is<br>considerably<br>higher than<br>a Solid State |



**Primary  
Transmitter**

**Other Transmitter Costs**

| Section  | Question  | Response   |
|--|---|--|
| <b>Electrical Service</b>  | Service Entrance (3 phases 800A 208V)   | No   |
|  | Switchgear (industrial 800 amp)   | No   |
|  | Transformer (480V)  | No   |
|  | Power   | N/A  |
|  | Rigid Conduit and Wiring  | Yes  |
|  | Size  | 2 inches   |
|  | Length  | 200.0 feet   |
|  | Other Electrical Service  | Yes  |
|  | Description   | Distribution panel modification and rewiring for new transmitters Surge Protector, Voltage Regulator and UPS are required for the new transmitter installation |
| <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**

| <b>Name</b>                                     | <b>Description</b>   |
|---|--|
| <b>Equipment Crating</b>                        | Equipment Crating for Ocean Shipping   |
| <b>Maritime Transportation</b>                  | Due to the particular conditions of the island, special maritime transportation is required to a port  |
| <b>Transmitter Motorized Switch replacement</b> | Extra cost for replace an included (3) port Manual Patch Panel on the transmitter proposal as the existing transmission system   |
| <b>Upgraded RF Mask Filter to 8 pole</b>        | Charge to replace an included RF Mask Filter on the transmitter proposal with 8 pole filter  |
| <b>System Design and Site Survey</b>            | System Design based on Site Survey to prepare an as built and present modifications to accommodate the new transmitters, Filters, RF components. Prepare electrical distribution based on the existing and new components associated with the transition |

**Antennas**

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

**Primary  
Antenna**

**Existing Antenna Information**

| Section   | Question   | Response           |
|---|--|--------------------|
| <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? | No                 |
|   | Is the existing antenna directional?                             | Yes                |
|   | Is antenna in operating condition?                               | Yes                |
|   | Is antenna located on or in close proximity to an antenna farm?  | Yes                |
| <b>Existing 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   | N/A                |
|   | Design power capacity in use                                     | N/A                |
|   | Lower Limit  | N/A                |
|   | Upper Limit  | N/A                |
|   | Other Antenna Type   | N/A                |
|   | ERP: (Effective Radiated Power)<br>.....                         | 178.0 kW           |
|   |  |                    |

|              |                         |
|--------------|-------------------------|
| Manufacturer |                         |
| Model        | TFU-<br>16DSC-R<br>S300 |
| Year         | 2008                    |

**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?                            | No              |
|   | Ownership  | Owned           |
|   | Owner  | N/A             |
|   | Is antenna shared?   | No              |
|   | Is antenna directional?  | Yes             |
|   | Will antenna be located on or in close proximity to an antenna farm? | Yes             |
| <b>New Antenna Manufacturer and Types</b> | Class  | Full Power      |
|   | Mounting   | Side Mount      |
|   | Antenna position in stack  | Not in Stack    |
|   | Polarization   | Horizontal      |
|   | Type   | Slotted 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)<br>.....                             | 174.0 kW        |
|   | Manufacturer   |                 |
|   |  |                 |

|                               |  |
|-------------------------------|--|
| Model                         | TFU-16DSC-R S300   |
| Year                          | 2017   |
| Justification for New Antenna | Narrowband Slotted coaxial antenna not suited for rechanneling |

## Primary 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?  | Yes                  |
|                                    | Broadband or Single Channel?  | Single Channel       |
|                                    | Feed Line Size  | 4 1/16 inches inches |
| <b>Side Mount Brackets</b>         | Do you require the separate purchase of side mount brackets for a high power 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 |
|-------------------|--|-----|

**Primary  
Antenna**

**Other Antenna Cost Not Listed**

| <b>Name</b>                    | <b>Description</b>   |
|--------------------------------|--|
| <b>Maritime Transportation</b> | Due to the particular conditions of an island, special maritime transportation is required from port to port |



**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?   | No                      |
|  | Is antenna directional?  | Yes                     |
|  | Will antenna be located on or in close proximity to an antenna farm? | Yes                     |
| <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)<br>.....                             | 178.0 kW                |
|  | Manufacturer   |                         |
|  | Model  | TFU-<br>16DSC-R<br>S300 |
|  |  |                         |

|  |                               |   |
|--|-------------------------------|---|
|  | Year                          | 2017  |
|  | Justification for New Antenna | Interim Antenna to operate while the existing antenna is removed and the final antenna for the new channel is installed on the tower. |

## Interim Antenna

### Other Antenna Costs

| Section                  | Question  | Response |
|--------------------------|---|----------|
| Elbow Complex            | Do you require the separate purchase of the Elbow Complex?  | No       |
|                          | Broadband or Single Channel?  | N/A      |
|                          | Feed Line Size  | N/A      |
| Side Mount Brackets      | Do you require the separate purchase of side mount brackets for an antenna?                                 | Yes      |
| Pattern Scatter Analysis | Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna? | No       |
| Sweep Test               | Do you require the sweep testing of transmission line and antenna?  | Yes      |

## Interim Antenna

### Other Antenna Cost Not Listed

| Name                    | Description  |
|-------------------------|--|
| Maritime Transportation | Due to the particular conditions of an island, special maritime transportation is required from port to port |

**Transmission Line**

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

**Primary**  
**Transmission Line**

**Existing Transmission Line**

| Section   | Question   | Response         |
|---|--|------------------|
| <b>Existing Transmission Line Description</b>           | Type of change   | Purchase New     |
|   | 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? | No               |
|   | Is Transmission Line in operating condition?                               | Yes              |
| <b>Existing Transmission Line Manufacturer and Type</b> | Manufacturer   |                  |
|   | Type   | Rigid            |
|   | Diameter   | 4 1/16 inches    |
|   | Other Diameter   | N/A              |
|   | Segment Length   | 19 1/2 inches    |
|   | Other Segment Length   | N/A              |
|   | Number of parallel runs  | 1                |
|   | Length   | 240 feet per run |

**Primary**  
**Transmission Line**

**New Transmission Line**

| Section                            | Question                                  | Response  |
|------------------------------------|---|---|
| <b>New Transmission Line Costs</b> | Use                                       | Primary (Main)  |
|                                    | Description of Use                        | N/A   |
|                                    | Change Type                               | Purchase New  |
|                                    | Is this a request for upgraded equipment? | No  |
|                                    | Type                                      | Rigid   |
|                                    | Diameter                                  | 4 1/16 inches   |
|                                    | Other Diameter                            | N/A   |
|                                    | Segment Length                            | 20 inches   |
|                                    | Other Segment Length                      | N/A   |
|                                    | Number of parallel runs                   | 1   |
|                                    | Length                                    | 280 feet per run  |
|                                    | Justification for New Transmission Line   | Existing Transmission line can't be re-used because it have a prohibited length for the re-packed channel |

**Primary**  
**Transmission Line**

**Other Transmission Line Expenses Not Listed**

| Name                       | Description  |
|----------------------------|--|
| <b>Test for Reducer</b>    | Test transition of 4 inch at 50 ohms                     |
| <b>Reducer 6 to 4 inch</b> | Reducer for antenna input 6 to 4 inch reducer at 50 ohms |

**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                                    | Flexible Air   |
|                                    | Diameter                                | 4 inches   |
|                                    | Segment Length                          | N/A  |
|                                    | Other Segment Length                    |  |
|                                    | Number of parallel runs                 | 1  |
|                                    | Length                                  | 240 feet per run   |
|                                    | Justification for New Transmission Line | Interim transmission Line for the Interim antenna, to operate while the existing antenna and transmission line are removed and the final antenna with its transmission line for the new channel are installed on the tower |

**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          |
|---|---|-------------------|
| Existing Tower Description                          | 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? | No                |
|   | One or more FM, AM or TV radio broadcaster(s)           | N/A               |
|   | Others Types of Users                                   | N/A               |
|   | Is tower documented for structural analysis?            | Yes               |
|   | Is tower compliant with Rev G?                          | Yes               |
| Existing Tower Structure Registration               | Do you have a tower registration number?                | No                |
|   | ASR Number  |                   |
| Coordinates (NAD83 ( North American Datum of 1983)) | Latitude (NAD83)  | 18° 18' 27.8" N-  |
|   | Longitude (NAD83)                                       | 065° 47' 41.5" W- |
|   | Overall Structure Height                                | 198.00 feet       |
|   | Support Structure Height                                | 198.00 feet       |
|   | Ground Elevation Above Mean Sea Level (AMSL)            | 3297.00 feet      |
|   |   |                   |

|  |                  |  |
|--|------------------|--|
|  | Structure Type   | TOWER - Free Standing or Guyed Structure |
|  | Tower Owner      | Sistema Universitario Ana G Mendez Inc.  |
|  | Date Constructed | 10/01/2008                               |

**Primary Tower**

**Tower Modification Costs**

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

**Primary Tower**

**Tower Rigging Costs**

| Section                      | Question                          | Response |
|------------------------------|-----------------------------------|----------|
| Tower Rigging Costs          | Complex Tower                     | N/A      |
| Helicopter Services Required | 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  | 618   |
|   | Explanation  | External resource are required for management this project. The technical and administrative personnel are occupied in daily operations of the station. The Budgeting's constrains of the NCE (PBS) TV station prevent reassign functions or increase personnel |
| <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                              | Yes   |

|   |  |     |
|---|--|-----|
|   | Quantity   | 1   |
|   | 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 Services</b> | Prepare and file Form FCC Construction Permit Application                                  | Yes |
|   | 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  | Yes |
|   | Quantity   | 1   |
|   | 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                                 | Yes |
|   | Prepare or Review FCC Form 399 for Reimbursement   | Yes |
|   | Address transition timing and coordination issues w/ other stations and wireless providers | Yes |
| <b>RF Field Engineering Services</b>                  | Comprehensive coverage verification via field study  | Yes |
|   | RF exposure measurements   | Yes |
|   | Additional Field Engineering Service   | No  |

|  |                |     |
|--|----------------|-----|
|  | Number of Days | N/A |
|  | Justification  | N/A |

**Outside Professional Services Costs**      **Other Professional Services Expenses Not Listed**  
Services 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)?        | Yes      |
|                                     | 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**

| Name                             | Description  |
|----------------------------------|--|
| <b>Local Sales and Use Taxes</b> | Sales taxes based on 11.5 percent and service taxes based on 4 percent This amount corresponds to a sales and use tax to be paid by any who imports tangible personal property into Puerto Rico or provides services in relation to any property from abroad |

## 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 |
|----------------------------------|-----------------------------|----------------|--|--------------|---------------------------|
| Primary Transmitter MPTV-PRLX-U6 | \$580,655.00                | \$435,955.00   |  | \$380,970.00 |                           |
| System Design and Site Survey    | <i>\$15,300.00</i>          | \$15,300.00    | System Design based on Site Survey to prepare an as built and present modifications to accommodate the new transmitters, Filters, RF components. Prepare electrical distribution based on the existing and new components associated with the transition. Mechanical, Electrical and RF Design for the new transmitter | \$13,770.00  | N/A                       |

|  |                    |             |  |             |     |
|--|--------------------|-------------|--|-------------|-----|
| Upgraded RF Mask Filter to 8 pole        | <b>\$15,000.00</b> | \$15,000.00 | Charge to replace an included RF Mask Filter of 6 pole on the transmitter proposal with 8 pole   | \$13,500.00 | N/A |
| Transmitter Motorized Switch replacement | <b>\$4,835.00</b>  | \$4,835.00  | Extra cost for replace an included (3) port Manual Patch Panel on the transmitter proposal with a motorized Switch as the existing transmission system | \$4,351.00  | N/A |
| Equipment Crating                        | <b>\$4,500.00</b>  | \$4,500.00  | Equipment Crating required for Maritime Transportation Quotation attached WMTJ Parallax U6 10kW revised options, Part No. NS1                          | \$4,050.00  | N/A |

|  |              |              |  |              |     |
|--|--------------|--------------|--|--------------|-----|
| Other Electrical Service: Distribution panel modification and rewiring for new transmitters Surge Protector, Voltage Regulator and UPS are required for the new transmitter installation | \$36,300.00  | \$36,300.00  | Surge Suppressor \$5,250.00, Voltage Regulator \$23,395.00 (options included on the Comark Transmitter WMTJ Parallax U6 10kW revised options), and UPS \$46,912.00 (Quote from CLARY Corp) are required for new transmitter installation | \$25,781.00  | N/A |
| 2" Rigid Conduit and Wiring (Cost per foot)  | \$5,200.00   | \$5,000.00   | N/A  | N/A          | N/A |
| UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW  | \$494,500.00 | \$350,000.00 | Solid state transmitter's request, the cost of a new IOT transmitter is higher than a SS (attached P3245-R1 WMTJ Main Tx ). (DA 16-1164 MB Docket No. 16-306 GN Docket No. 12-268). One power-level step up in transmitter               | \$315,000.00 | N/A |



|   |                     |                     |  |                     |     |
|---|---------------------|---------------------|--|---------------------|-----|
| Maritime Transportation                   | <b>\$5,020.00</b>   | \$5,020.00          | Due to the particular conditions of an island, special maritime transportation is required from port to port   | \$4,518.00          | N/A |
| <b>Auxiliary Transmitter MPTV-PRLX-U3</b> | <b>\$323,895.00</b> | <b>\$275,355.00</b> |  | <b>\$228,919.50</b> |     |
| Maritime Transportation                   | <b>\$5,020.00</b>   | \$5,020.00          | Due to the particular conditions of an island, special maritime transportation is required from port to port   | \$4,518.00          | N/A |
| Upgraded Mask Filter from 6 to 8 poles    | <b>\$15,000.00</b>  | \$15,000.00         | Charge to replace an included RF Mask Filter of 6 pole on the transmitter proposal with 8 pole filter  | \$13,500.00         | N/A |
| Motorized Switch                          | <b>\$4,835.00</b>   | \$4,835.00          | Extra cost for replace an included (3) port Manual Patch Panel on the transmitter proposal with a motorized Switch as the existing transmission system | \$4,351.50          | N/A |

|   |                    |             |  |            |     |
|---|--------------------|-------------|--|------------|-----|
| Equipment Crating   | <b>\$4,500.00</b>  | \$4,500.00  | Equipment Crating required for Maritime Transportation Quotation attached P2986A-R1 AUX WMTJ Parallax U3 5kW Proposal Part No. NS1   | \$4,050.00 | N/A |
| Other Electrical Service: Electrical Panel Distribution modifications, circuit breakers, rewiring. Surge Protector, Voltage Regulator and UPS are required for the new transmitter installation | <b>\$20,000.00</b> | \$20,000.00 | To increase the capacity of the surge suppressor, voltage regulator and UPS for the main transmitter and add the load The transmitter facilities are located on a Rain Forest where the power fluctuations are severe and contiguous | N/A        | N/A |

|  |                |                |   |              |     |
|--|----------------|----------------|---|--------------|-----|
| UHF - Liquid Cooled Solid State Transmitter 4.9 . 6.5 kW | \$273,500.00   | \$225,000.00   | Upgrade request from air cooled to liquid cooled transmitter because the air cooled require an additional stepdown transformer (480 to 208 V) and additional wiring for the input. attached quote for both P2986A-R1 AUX Tx WMTJ P3231-R1 WMTJ, P3231-R1 WMTJ | \$202,500.00 | N/A |
| 2" Rigid Conduit and Wiring (Cost per foot)              | \$1,040.00     | \$1,000.00     | N/A   | N/A          | N/A |
| <b>Sub-total</b>   | \$904,550.00   | \$711,310.00   | N/A   | \$609,889.50 | N/A |
| <b>Total for all systems</b>                             | \$2,047,783.62 | \$1,741,284.92 | N/A   | \$805,227.30 | N/A |

## Components

| Actual Information |           |
|--------------------|-----------|
| Description        | File Name |

|  |                               |                                      |
|--|-------------------------------|--------------------------------------|
| System Design and Site Survey            | <b>Component Description:</b> | 40% OF SYSTEM DESIGN AND SITE SURVEY |
|  | <b>Amount:</b>                | \$6,120.00                           |
|  | <b>Component Description:</b> | 50% OF SYSTEM DESIGN                 |
|  | <b>Amount:</b>                | \$7,650.00                           |
| Upgraded RF Mask Filter to 8 pole        | <b>Component Description:</b> | 40% OF UPGRADED RF MASK FILTER       |
|  | <b>Amount:</b>                | \$6,000.00                           |
|  | <b>Component Description:</b> | 50% OF UPGRADED RF MASK FILTER       |
|  | <b>Amount:</b>                | \$7,500.00                           |
| Transmitter Motorized Switch replacement | <b>Component Description:</b> | 40% OF TRANSMITTER MOTORIZED SWITCH  |
|  | <b>Amount:</b>                | \$1,934.00                           |
|  | <b>Component Description:</b> | 50% OF TRANSMITTER MOTORIZED SWITCH  |
|  | <b>Amount:</b>                | \$2,417.00                           |

|  |  |
|--|--|
| Equipment Crating  | <div> <div> <b>Component Description:</b> 50% OF EQUIPMENT CRATING REQUIRED FOR MARITIME TRANSPORTATION </div> <div> <b>Amount:</b> \$2,250.00 </div> </div> <div> <div> <b>Component Description:</b> 40% OF EQUIPMENT CRATING REQUIRED FOR MARITIME TRANSPORTATION </div> <div> <b>Amount:</b> \$1,800.00 </div> </div>            |
| Other Electrical Service:<br>Distribution panel modification and rewiring for new transmitters<br>Surge Protector, Voltage Regulator and UPS are required for the new transmitter installation | <div> <div> <b>Component Description:</b> 40% OF SURGE SUPPRESSOR (\$2,100) AND VOLTAGE REGULATOR (\$9,358) </div> <div> <b>Amount:</b> \$11,458.00 </div> </div> <div> <div> <b>Component Description:</b> 50% OF SURGE SUPPRESSOR (\$2,625) AND VOLTAGE REGULATOR (\$11,698) </div> <div> <b>Amount:</b> \$14,323.00 </div> </div> |
| 2" Rigid Conduit and Wiring (Cost per foot)  | Information not provided.  |

|   |                               |   |
|---|-------------------------------|---|
| UHF - Liquid Cooled<br>Solid State Transmitter<br>8.2 - 13 kW | <b>Component Description:</b> | 40% OF PARALLAX<br>10KW UHF LIQUID<br>COOLED DIGITAL<br>TRANSMITTER |
|   | <b>Amount:</b>                | \$140,000.00  |
|   | <b>Component Description:</b> | 50% OF PARALLAX<br>10KW UHF LIQUID<br>COOLED DIGITAL<br>TRANSMITTER |
|   | <b>Amount:</b>                | \$175,000.00  |
| Maritime Transportation                                       | <b>Component Description:</b> | 40% OF MARITIME<br>TRANSPORTATION                                   |
|   | <b>Amount:</b>                | \$2,008.00  |
|   | <b>Component Description:</b> | 50% OF MARITIME<br>TRANSPORTATION                                   |
|   | <b>Amount:</b>                | \$2,510.00  |
| Maritime Transportation                                       | <b>Component Description:</b> | 40% of maritime<br>transportation                                   |
|   | <b>Amount:</b>                | \$2,008.00  |
|   | <b>Component Description:</b> | 50% of maritime<br>transportation                                   |
|   | <b>Amount:</b>                | \$2,510.00  |
| Upgraded Mask Filter<br>from 6 to 8 poles                     | <b>Component Description:</b> | 40% of upgraded<br>mask filter                                      |
|   | <b>Amount:</b>                | \$6,000.00  |
|   | <b>Component Description:</b> | 50% of upgraded<br>mask filter                                      |
|   | <b>Amount:</b>                | \$7,500.00  |

|  |                               |  |
|--|-------------------------------|--|
| Motorized Switch   | <b>Component Description:</b> | 40% of motorized switch  |
|  | <b>Amount:</b>                | \$1,934.00   |
|  | <b>Component Description:</b> | 50% of motorized switch  |
|  | <b>Amount:</b>                | \$2,417.50   |
| Equipment Crating  | <b>Component Description:</b> | 40% of equipment crating for maritime transportation               |
|  | <b>Amount:</b>                | \$1,800.00   |
|  | <b>Component Description:</b> | 50% of equipment crating for maritime transportation               |
|  | <b>Amount:</b>                | \$2,250.00   |
| Other Electrical Service:<br>Electrical Panel<br>Distribution modifications,<br>circuit breakers, rewiring.<br>Surge Protector, Voltage<br>Regulator and UPS are<br>required for the new<br>transmitter installation | Information not provided.     |  |
| UHF - Liquid Cooled<br>Solid State Transmitter<br>4.9 . 6.5 kW   | <b>Component Description:</b> | 40% OF PARALLAX<br>5KM UHF LIQUID<br>COOLED DIGITAL<br>TRANSMITTER |
|  | <b>Amount:</b>                | \$90,000.00  |
|  | <b>Component Description:</b> | 50% OF PARALLAX<br>5KM UHF LIQUID<br>COOLED DIGITAL<br>TRANSMITTER |
|  | <b>Amount:</b>                | \$112,500.00   |

|  |                           |
|--|---------------------------|
| 2" Rigid Conduit and<br>Wiring (Cost per foot) | 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-16DSC-R S300</b>  | <b>\$133,780.00</b>         | <b>\$42,900.00</b> |  | <b>\$0.00</b> |                           |
| UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized | \$89,400.00                 | \$0.00             | NO CHANGE  | N/A           | N/A                       |
| Sweep test of existing antenna   | \$6,730.00                  | \$6,400.00         | N/A  | N/A           | N/A                       |
| Side mount brackets for high power antennas (if not included in antenna base cost)                   | \$23,150.00                 | \$22,000.00        | N/A  | \$0.00        | N/A                       |
| Maritime Transportation  | <i>\$14,500.00</i>          | \$14,500.00        | Due to the particular conditions of an island, special maritime transportation is required from port to port. Quote includes the transmission line volume and weight | N/A           | N/A                       |

|  |                     |                     |   |                     |     |
|--|---------------------|---------------------|---|---------------------|-----|
| <b>Primary<br/>Antenna TFU-<br/>16DSC-R S300</b>   | <b>\$232,750.00</b> | <b>\$174,415.30</b> |   | <b>\$145,916.10</b> |     |
| Sweep test of<br>existing<br>antenna   | \$6,730.00          | \$6,400.00          | N/A   | N/A                 | N/A |
| UHF - Lower<br>Power Side<br>Mount, One<br>station<br>antenna -<br>medium<br>power (50-<br>200 kW),<br>horizontally<br>polarized | \$89,400.00         | \$61,207.65         | NO CHANGE   | \$61,207.65         | N/A |
| Elbow<br>complex,<br>single<br>channel, at<br>antenna<br>input, per 4 1<br>/16. feedline<br>(if needed)                          | \$9,570.00          | \$9,100.00          | N/A   | \$7,732.80          | N/A |
| Side mount<br>brackets for<br>high power<br>antennas (if<br>not included<br>in antenna<br>base cost)                             | \$23,150.00         | \$22,000.00         | N/A   | \$15,768.00         | N/A |
| Maritime<br>Transportation   | <b>\$14,500.00</b>  | \$14,500.00         | Due to the<br>particular<br>conditions of<br>an island,<br>special<br>maritime<br>transportation<br>is required<br>from port to<br>port. Quote<br>includes the<br>transmission<br>line volume<br>and weight | N/A                 | N/A |

|  |                |                |  |              |     |
|--|----------------|----------------|--|--------------|-----|
| UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized | \$89,400.00    | \$61,207.65    | ***System Notice: Estimate adjusted and locked because line has been superseded. ***the original estimated cost for lower power side mount antenna is \$139440 | \$61,207.65  | N/A |
| <b>Sub-total</b>   | \$366,530.00   | \$217,315.30   | N/A  | \$145,916.10 | N/A |
| <b>Total for all systems</b>   | \$2,047,783.62 | \$1,741,284.92 | N/A  | \$805,227.30 | N/A |

## Components

| Actual Information   |   |
|--|---|
| Description  | File Name   |
| UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized | Information not provided.   |
| Sweep test of existing antenna   | Information not provided.   |
| Side mount brackets for high power antennas (if not included in antenna base cost)                   | <p><b>Component Description:</b> 45% with order prior to shipment for side mount brackets</p> <p><b>Amount:</b> N/A</p> |
| Maritime Transportation  | Information not provided.   |
| Sweep test of existing antenna   | Information not provided.   |

|   |   |                               |   |                |             |                               |                             |                |            |                               |   |                |     |
|---|---|-------------------------------|---|----------------|-------------|-------------------------------|-----------------------------|----------------|------------|-------------------------------|---|----------------|-----|
| <p>UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized</p> | <table> <tr> <td data-bbox="718 174 1034 210"><b>Component Description:</b></td><td data-bbox="1163 174 1362 483">45% of UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized</td></tr> <tr> <td data-bbox="718 495 831 530"><b>Amount:</b></td><td data-bbox="1163 495 1299 530">\$61,207.65</td></tr> </table>  | <b>Component Description:</b> | 45% of UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized | <b>Amount:</b> | \$61,207.65 |                               |                             |                |            |                               |   |                |     |
| <b>Component Description:</b>   | 45% of UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized   |                               |   |                |             |                               |                             |                |            |                               |   |                |     |
| <b>Amount:</b>  | \$61,207.65   |                               |   |                |             |                               |                             |                |            |                               |   |                |     |
| <p>Elbow complex, single channel, at antenna input, per 4 1/16. feedline (if needed)</p>                    | <table> <tr> <td data-bbox="718 667 1034 703"><b>Component Description:</b></td><td data-bbox="1163 667 1331 741">45% for elbow complex</td></tr> <tr> <td data-bbox="718 752 831 788"><b>Amount:</b></td><td data-bbox="1163 752 1283 788">\$3,866.40</td></tr> <tr> <td data-bbox="718 889 1034 925"><b>Component Description:</b></td><td data-bbox="1163 889 1331 963">45% for elbow complex</td></tr> <tr> <td data-bbox="718 974 831 1010"><b>Amount:</b></td><td data-bbox="1163 974 1283 1010">\$3,866.40</td></tr> <tr> <td data-bbox="718 1111 1034 1146"><b>Component Description:</b></td><td data-bbox="1163 1111 1362 1256">45% with invoice prior to shipment for elbows complex</td></tr> <tr> <td data-bbox="718 1267 831 1303"><b>Amount:</b></td><td data-bbox="1163 1267 1211 1303">N/A</td></tr> </table>            | <b>Component Description:</b> | 45% for elbow complex   | <b>Amount:</b> | \$3,866.40  | <b>Component Description:</b> | 45% for elbow complex       | <b>Amount:</b> | \$3,866.40 | <b>Component Description:</b> | 45% with invoice prior to shipment for elbows complex | <b>Amount:</b> | N/A |
| <b>Component Description:</b>   | 45% for elbow complex   |                               |   |                |             |                               |                             |                |            |                               |   |                |     |
| <b>Amount:</b>  | \$3,866.40  |                               |   |                |             |                               |                             |                |            |                               |   |                |     |
| <b>Component Description:</b>   | 45% for elbow complex   |                               |   |                |             |                               |                             |                |            |                               |   |                |     |
| <b>Amount:</b>  | \$3,866.40  |                               |   |                |             |                               |                             |                |            |                               |   |                |     |
| <b>Component Description:</b>   | 45% with invoice prior to shipment for elbows complex   |                               |   |                |             |                               |                             |                |            |                               |   |                |     |
| <b>Amount:</b>  | N/A   |                               |   |                |             |                               |                             |                |            |                               |   |                |     |
| <p>Side mount brackets for high power antennas (if not included in antenna base cost)</p>                   | <table> <tr> <td data-bbox="718 1438 1034 1473"><b>Component Description:</b></td><td data-bbox="1163 1438 1347 1512">45% for Side mount brackets</td></tr> <tr> <td data-bbox="718 1523 831 1559"><b>Amount:</b></td><td data-bbox="1163 1523 1283 1559">\$7,884.00</td></tr> <tr> <td data-bbox="718 1659 1034 1695"><b>Component Description:</b></td><td data-bbox="1163 1659 1347 1733">45% for Side mount brackets</td></tr> <tr> <td data-bbox="718 1744 831 1780"><b>Amount:</b></td><td data-bbox="1163 1744 1283 1780">\$7,884.00</td></tr> <tr> <td data-bbox="718 1881 1034 1917"><b>Component Description:</b></td><td data-bbox="1163 1881 1378 1984">45% of invoice for Side mount brackets</td></tr> <tr> <td data-bbox="718 1995 831 2031"><b>Amount:</b></td><td data-bbox="1163 1995 1211 2031">N/A</td></tr> </table> | <b>Component Description:</b> | 45% for Side mount brackets   | <b>Amount:</b> | \$7,884.00  | <b>Component Description:</b> | 45% for Side mount brackets | <b>Amount:</b> | \$7,884.00 | <b>Component Description:</b> | 45% of invoice for Side mount brackets                | <b>Amount:</b> | N/A |
| <b>Component Description:</b>   | 45% for Side mount brackets   |                               |   |                |             |                               |                             |                |            |                               |   |                |     |
| <b>Amount:</b>  | \$7,884.00  |                               |   |                |             |                               |                             |                |            |                               |   |                |     |
| <b>Component Description:</b>   | 45% for Side mount brackets   |                               |   |                |             |                               |                             |                |            |                               |   |                |     |
| <b>Amount:</b>  | \$7,884.00  |                               |   |                |             |                               |                             |                |            |                               |   |                |     |
| <b>Component Description:</b>   | 45% of invoice for Side mount brackets  |                               |   |                |             |                               |                             |                |            |                               |   |                |     |
| <b>Amount:</b>  | N/A   |                               |   |                |             |                               |                             |                |            |                               |   |                |     |

|  |                               |   |
|--|-------------------------------|---|
| Maritime Transportation  | Information not provided.     |   |
| UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized | <b>Component Description:</b> | 45% for UHF-Lower power side mount antenna one-station horizontally polarized |
|  | <b>Amount:</b>                | \$61,207.65   |

## 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>\$17,760.00</b>          | <b>\$16,800.00</b> |   | <b>\$0.00</b>      |                           |
| Flexible Air Transmission Line - dielectric, 4" | \$17,760.00                 | \$16,800.00        | N/A   | N/A                | N/A                       |
| <b>Primary Transmission Line</b>                | <b>\$43,466.00</b>          | <b>\$48,796.00</b> |   | <b>\$43,661.70</b> |                           |
| Reducer 6 to 4 inch                             | <i>\$1,672.00</i>           | \$1,672.00         | Cost for a separate reducer transition from 6 inch to 4 inch at 50 ohms                 | \$0.00             | N/A                       |
| Rigid Transmission Line - copper, 4 1/16"       | \$39,760.00                 | \$45,090.00        | This cost estimated by the factory includes 3 elbows and a dehydrator.                  | \$43,661.70        | N/A                       |
| Test for Reducer                                | <i>\$2,034.00</i>           | \$2,034.00         | Estimated cost by factory for test the transition from 4 inch 50 ohms to 6 inch 50 ohms | N/A                | N/A                       |
| <b>Sub-total</b>                                | <b>\$61,226.00</b>          | <b>\$65,596.00</b> | N/A   | <b>\$43,661.70</b> | N/A                       |

|                              |                |                |     |              |     |
|------------------------------|----------------|----------------|-----|--------------|-----|
| <b>Total for all systems</b> | \$2,047,783.62 | \$1,741,284.92 | N/A | \$805,227.30 | N/A |
|------------------------------|----------------|----------------|-----|--------------|-----|

## Components

| Actual Information                              |  |
|---|--|
| Description                                     | File Name  |
| Flexible Air Transmission Line - dielectric, 4" | Information not provided.  |
| Reducer 6 to 4 inch                             | Information not provided.  |
| Rigid Transmission Line - copper, 4 1/16"       | <div> <b>Component Description:</b> 45% for rigid transmission line copper<br/> <b>Amount:</b> \$21,830.85 </div> <div> <b>Component Description:</b> 45% of invoice to shipment for rigid transmission line-copper<br/> <b>Amount:</b> N/A </div> <div> <b>Component Description:</b> 45% for rigid transmission line copper<br/> <b>Amount:</b> \$21,830.85 </div> |
| Test for Reducer                                | 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 |
|---|-----------------------------|----------------|------------------------------|--------------|---------------------------|
| Primary Tower TOWER   | \$254,800.00                | \$242,000.00   |                              | \$5,760.00   |                           |
| Structural engineering tower load study for well documented tower | \$12,600.00                 | \$12,000.00    | N/A                          | \$5,760.00   | N/A                       |
| Short Tower (less than 500')                                      | \$84,200.00                 | \$80,000.00    | N/A                          | N/A          | N/A                       |
| Minor tower reinforcement /modifications                          | \$158,000.00                | \$150,000.00   | N/A                          | N/A          | N/A                       |
| Sub-total   | \$254,800.00                | \$242,000.00   | N/A                          | \$5,760.00   | N/A                       |
| Total for all systems   | \$2,047,783.62              | \$1,741,284.92 | N/A                          | \$805,227.30 | N/A                       |

Components

| Actual Information |           |
|--------------------|-----------|
| Description        | File Name |



|   |                               |  |   |
|---|-------------------------------|--|---|
| Structural engineering tower load study for well documented tower | <b>Component Description:</b> |  | 45% for one field engineer on-site for one day, travel, expenses and report |
|   | <b>Amount:</b>                |  | \$2,880.00  |
|   | <b>Component Description:</b> |  | 45% for one field engineer on-site for one day, travel, expenses and report |
|   | <b>Amount:</b>                |  | \$2,880.00  |
|   | <b>Component Description:</b> |  | 45% with order prior to shipment for engineer on-site                       |
|   | <b>Amount:</b>                |  | N/A   |
| Short Tower (less than 500')                                      | Information not provided.     |  |   |
| Minor tower reinforcement /modifications                          | 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>\$237,814.00</b>         | <b>\$282,750.00</b> |                              | <b>\$0.00</b> |                           |
| RF Exposure Measurements   | \$21,050.00                 | \$20,000.00         | 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                       |
| Attorney Fees - Prepare and File request for Special Temporary Authorization           | \$3,680.00                  | \$3,500.00          | N/A                          | N/A           | N/A                       |
| Attorney Fees - Negotiation of lease and other matters for shared locations            | \$4,210.00                  | \$4,000.00          | N/A                          | N/A           | N/A                       |
| Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application    | \$2,365.00                  | \$2,250.00          | 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                       |

|  |             |              |  |     |     |
|--|-------------|--------------|--|-----|-----|
| Prepare request for Special Temporary Authorization                                  | \$2,050.00  | \$1,500.00   | 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 |
| Project management of the transition   | \$97,644.00 | \$150,000.00 | Proposal from RGB Corporation HMDRQ2923 and Detail estimate attached | N/A | N/A |
| Prepare and or review reimbursement form   | \$2,630.00  | \$2,500.00   | N/A  | N/A | N/A |
| Address transition timing and coordination issues w/ other stations and wireless     | \$2,630.00  | \$2,500.00   | N/A  | N/A | N/A |
| Perform engineering study for new channel assignment and antenna development         | \$7,360.00  | \$7,000.00   | 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 |

|                              |                |                |     |              |     |
|------------------------------|----------------|----------------|-----|--------------|-----|
| <b>Sub-total</b>             | \$237,814.00   | \$282,750.00   | N/A | \$0.00       | N/A |
| <b>Total for all systems</b> | \$2,047,783.62 | \$1,741,284.92 | N/A | \$805,227.30 | N/A |

## 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>\$222,863.62</b>         | <b>\$222,313.62</b> |   | <b>\$0.00</b> |                           |
| Local Sales and Use Taxes                               | <b><i>\$148,313.62</i></b>  | \$148,313.62        | PR Sales and Use Tax 11.5% for all the imported equipment or 4% for all the services from abroad. Attached Excel Worksheet with detailed calculations, Translated copy of the state law 25-2017, Copy of the DA 15-17 and translated Indirect Tax Alert | N/A           | N/A                       |
| MVPD Notification of Channel Change                     | <b><i>\$12,000.00</i></b>   | \$12,000.00         | N/A   | N/A           | N/A                       |
| Develop and air announcement of upcoming channel change | <b><i>\$20,000.00</i></b>   | \$20,000.00         | N/A   | N/A           | N/A                       |

|  |                    |                |  |              |     |
|--|--------------------|----------------|--|--------------|-----|
| DTV Medical Facility Notification  | \$11,550.00        | \$11,000.00    | N/A  | N/A          | N/A |
| Disposal Costs (for equipment and other waste, net of any salvage value) | <b>\$9,000.00</b>  | \$9,000.00     | N/A  | N/A          | N/A |
| Equipment Delivery and Handling Charges                                  | <b>\$15,000.00</b> | \$15,000.00    | Estimated proposal for Delivery from Maritime Port of San Juan to the Transmitter Site Attached Transportes Rolon proposal | N/A          | N/A |
| Equipment Storage  | <b>\$7,000.00</b>  | \$7,000.00     | N/A  | N/A          | N/A |
| <b>Sub-total</b>   | \$222,863.62       | \$222,313.62   | N/A  | \$0.00       | N/A |
| <b>Total for all systems</b>   | \$2,047,783.62     | \$1,741,284.92 | N/A  | \$805,227.30 | N/A |

## Components

Information not provided.

|                         |                              |                                    |                       |
|-------------------------|------------------------------|------------------------------------|-----------------------|
| <b>Cost Information</b> | <b>Grand Total</b>           |                                    |                       |
|                         |                              | <b>Predetermined Cost Estimate</b> | <b>Estimated Cost</b> |
|                         |                              |                                    | <b>Actual Cost</b>    |
|                         | <b>Total for all systems</b> | \$2,047,783.62                     | \$1,741,284.92        |
|                         |                              |                                    | \$805,227.30          |

|                             |  |                 |
|-----------------------------|--|-----------------|
| <b>Reimbursement Status</b> | <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 |
|---------------|--|---|----------|
|               | <b>Submission of<br/>Estimated Expenses<br/>Statements</b> | <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> </ol> |          |



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 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.

**GINIA E  
HERNANDEZ**  
*Sponsored  
Program  
Director*

08/24/2018

| Certification | Section  | Question   | Response |
|---------------|--|--|----------|
|               | Submission of Actual Cost Documentation Statements | WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS 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 AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).  |          |
|               |  | <ol style="list-style-type: none"> <li>1. The Authorized Person signing below certifies and represents 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 certifies that the statements in this form and attached documentation are true, complete, and correct.</li> <li>3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> </ol> |          |

4. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.
5. 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 (full power and Class A stations) and/or otherwise modify a television station's facility as a result of the spectrum repack (LPTV/TV Translator stations); or to minimize service disruption resulting from a repacked television station (FM stations); or to continue to carry the signal of a broadcaster that changes channels (MVPD) .
6. 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.
7. The above-named entity certifies that the cost information /documents submitted reflect costs actually incurred.

|  |  |
|--|--|
| <p>8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.</p> <p>9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.</p> |  |
| <p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>  | <p><b>Ariel Diaz</b><br/><i>Engineer</i></p> <p>08/24/2018</p> |

## Attachments