



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **35434** | Service: **DTV** | Call **KOTV-DT** | Channel: **26 (UHF)**  
ID: | Sign:  
File **0000028007**  
Number:  
FRN: **0015452238** | Date **11/01**  
Submitted: **/2019**

## Applicant Information

### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>GRIFFIN LICENSING, L.L.C.</b>	Trevor Wiseman 7401 N. KELLEY AVENUE OKLAHOMA CITY, OK 73111 United States	+1 (405) 841-9106	trevor.wiseman@griffincommunications.net	Limited Liability Company

## 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
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.	Yes
Briefly describe transition plan	Please see attached Transition Plan Narrative.

**Transmitters**

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

**Primary  
Transmitter**

**Existing Transmitter Information**

Section	Question	Response
<b>Existing Transmitter Description</b>	Type of change	Purchase New
	Use	Primary (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 Manufacturer and Type</b>	Manufacturer	
	Model	CDP3260P2
	Year	2001
	Type	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	64.2 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-80
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	50.1 kW
	Justification for New Transmitter	See attached Transition Plan Narrative

**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)	No
	Power	N/A
	Rigid Conduit and Wiring	Yes
	Size	3 inches
	Length	200.0 feet
	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

**Auxiliary  
Antenna**

**Existing Antenna Information**

Section	Question	Response
<b>Existing Antenna Description</b>	Type of change	Purchase New
	Antenna Use	Auxiliary (Backup)
	Description of Use	Auxiliary (Backup)
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	No
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
<b>Existing Antenna Manufacturer and Type</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	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)	869.6 kW

Manufacturer	
Model	TFU-28DSC- R O4
Year	2008

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**Auxiliary  
Antenna**

**New Antenna Costs**

Section	Question	Response
<b>New Antenna Description</b>	Use	Auxiliary (Backup)
	Description of Use	Auxiliary (Backup)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	No
	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	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	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) .....	730.0 kW
	Manufacturer	

Model	TFU-30DSC O4A
Year	2018
Justification for New Antenna	See attached Transition Plan Narrative.

## Auxiliary 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?	Broadband
	Feed Line Size	7 3/16 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?	Yes
<b>Sweep Test</b>	Do you require the sweep testing of transmission line and antenna?	Yes

**Auxiliary  
Antenna**

**Other Antenna Cost Not Listed**

Information not provided.

**Primary  
Antenna**

**Existing Antenna Information**

Section	Question	Response
<b>Existing Antenna Description</b>	Type of change	Purchase New
	Antenna Use	Primary (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?	No
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
<b>Existing Antenna Manufacturer and Type</b>	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Bottom
	Polarization	Elliptical
	Type	Slotted 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) .....	840.0 kW

Manufacturer	
Model	TFU-30GBH- R O8
Year	2008

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**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?	No
	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	Bottom
	Polarization	Elliptical
	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)	574.0 kW
Manufacturer		

Model	TFU-25JBH /VP-R O8
Year	2018
Justification for New Antenna	See attached Transition Plan Narrative.

**Primary Antenna**

**Other Antenna Costs**

Section	Question	Response
<b>Combiner for Shared Antenna</b>	Do you need a Combiner for a Shared Antenna?	
	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	6 1/8 inches inches
<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for a high power antenna?	
<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**

Information not provided.



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

**Auxiliary Transmission Line** Existing Transmission Line

Section	Question	Response
Existing Transmission Line Description	Type of change	Utilize Existing
	Use	Auxiliary (Backup)
	Description of Use	Auxiliary (Backup)
	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
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	1
	Length	1680 feet per run

**Auxiliary  
Transmission  
Line**      **Other Transmission Line Expenses Not Listed**

Name	Description
Sweep Test	Sweep test of existing transmission line to verify ability to support post-auction channel 26

**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	6 1/8 inches
	Other Diameter	N/A
	Segment Length	19 3/4 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1950 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	6 1/8 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1950 feet per run
	Justification for New Transmission Line	See attached Transition Plan Narrative.

**Primary 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**

**Add 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?	
	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?	Yes
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1011355
Coordinates (NAD83 ( North American Datum of 1983))	Latitude (NAD83)	36° 01' 15.0" N-
	Longitude (NAD83)	095° 40' 33.0" W-
	Overall Structure Height	1838.89 feet
	Support Structure Height	1838.89 feet
	Ground Elevation Above Mean Sea Level (AMSL)	709.97 feet

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	TULSA TOWER JOINT VENTURE
Date Constructed	09/01/1984

**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
37099	KWHB	DTV
81517	KWTU	FM
66586	KWGS	FM
66195	KOED-TV	DTV
59439	KJRH-TV	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
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<b>Tower Rigging Costs</b>	Complex Tower	Other
<b>Helicopter Services Required</b>	Are helicopter services required?	No

**Primary Tower**

**Other Tower Expenses Not Listed**

<b>Name</b>	<b>Description</b>
Auxiliary antenna replacement	Replace auxiliary antenna

**Outside Professional Services Costs**

<b>Section</b>	<b>Question</b>	<b>Response</b>
<b>Outside Project Management Services</b>	Do you require outside project management services?	Yes
	Number of Hours	711
	Explanation	Please see Transition Plan Narrative.
<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	Yes
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	Yes
	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	Yes
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	Yes



	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	No
	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**

Name	Description
Transmitter Installation	MARSAND is retained to install and commission transmitter.

**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	Yes
	FCC License to Cover Application	Yes
	FCC Special Temporary Authority Application	Yes
<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?	No
	Does this relocation require Equipment Storage?	No
	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
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<b>Attorney Fee - FCC Filing Fee</b>	FCC Filing fees associated with Repack.
<b>Attorney Fee - Review Work Form 387</b>	Review and Work on Form 387 for KO
<b>Aux Antenna - RFreight</b>	Aux Antenna - RFreight, shipping, and handling as per Dielectric invoice attached SO 87002 KOTV Invoice MAN00153.pdf line item 30.
<b>Main Antenna - RFreight</b>	Main Antenna - RFreight, shipping, and handling as per Dielectric invoice attached SO 87002 KOTV Invoice MAN00153.pdf line item 32.
<b>Site Prep Equipment</b>	To receive in equipment and move around parts for install a pallet jack was required to be purchased.
<b>Tower Site Security</b>	Tower site does not have security cameras. KOTV adding security cameras for security purposes of storing millions of dollars worth of repack at KOTV's building at tower site.
<b>Transmitter Shipping-Handling</b>	Shipping - Handling for GatesAir Transmitter as per attached quote - KOTVULXTE80.pdf
<b>Site Prep - TX Space</b>	Site prep for space new transmitter will be installed in / wall furring - inclosure.

**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-80</b>	<b>\$1,475,651.59</b>	<b>\$1,473,151.59</b>		<b>\$1,427,051.59</b>	
3" Rigid Conduit and Wiring (Cost per foot)	\$10,400.00	\$9,800.00	N/A	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 50.1 kW	<i>\$497,448.36</i>	\$497,448.36	Updated UHF Transmitter Description as per FCC email received on 8/9/2019. As per instructions of 399 the adjustment to description created a new cost component. This is for Final invoice to GatesAir.	\$497,448.36	Received requested by FCC on 8/9/2019 requesting the description of the transmitter to be changed to 50.1kw to match final GatesAir Invoice. This caused a new cost estimate line item for the 50.1 kw item.
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	N/A	N/A

UHF - Liquid Cooled Solid State Transmitter 63 kW	<b><i>\$929,603.23</i></b>	\$929,603.23	***System Notice: Estimate adjusted and locked because line has been superseded. ***Refer to quote GA- 00023857 - KOTVULXTE80. PDF. The estimated cost on this quote was verified as part of 399 and according to our verification letter was approved for this amount. The first third of this same quote was paid 11 /2017.	\$929,603.23	Received requested by FCC on 8/9/2019 requesting the description of the transmitter to be changed to 50.1kw to match final GatesAir Invoice. This caused a new cost estimate line item for the 50.1 kw item.
<b>Sub-total</b>	\$1,475,651.59	\$1,473,151.59	N/A	\$1,427,051.59	N/A
<b>Total for all systems</b>	\$3,855,893.38	\$4,040,442.38	N/A	\$2,094,330.20	N/A

## Components

Actual Information	
Description	File Name
3" Rigid Conduit and Wiring (Cost per foot)	Information not provided.
UHF - Liquid Cooled Solid State Transmitter 50.1 kW	<p><b>Component Description:</b> Final Payment - Transmitter Received.</p> <p><b>Amount:</b> \$497,448.36</p>
Switchgear - industrial 800 amp	Information not provided.

UHF - Liquid Cooled Solid  
State Transmitter 63 kW

**Component Description:** Transmitter  
Payment Invoice 3  
of 3 - Final -  
Equipment  
Received. Updated  
Equipment  
Description as per  
request and it  
created a new line.  
Moving component  
under Transmitter  
for 50.1kw cost  
estimate.

**Amount:** N/A

**Component Description:** GatesAir 1/3 ARO -  
down payment for  
transmitter - As per  
Quote GA-00023857

**Amount:** \$453,919.37

**Component Description:** Invoice 2 of 3 for  
Transmitter - 33%  
Prior to Ship Invoice  
- GatesAir - KOTV  
JW30004177-2

**Amount:** \$475,683.86

**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>Primary Antenna TFU-25JBH /VP-R 08</b>	<b>\$308,530.00</b>	<b>\$538,520.00</b>		<b>\$254,208.90</b>	
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	\$289,500.00	\$500,200.00	Antenna is the bottom antenna in a stacked set and pre-determined costs will likely double. For details, see attached Transition Plan Narrative and attached Dielectric Main Antenna Quote for base and upgrade.	\$242,084.70	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	Please see transition plan narrative and attached Dielectric Main Antenna Quote for base and upgrade.	\$4,224.00	N/A

Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$31,920.00	Please see transition plan narrative and attached Dielectric Main Antenna Quote for base and upgrade.	\$7,900.20	N/A
<b>Auxiliary Antenna TFU-30DSC O4A</b>	<b>\$316,390.00</b>	<b>\$313,800.00</b>		<b>\$129,142.20</b>	
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,000.00	N/A	N/A	N/A
UHF - High Power, Side Mount, basic slot antenna, 730 kW input, elliptically or circularly polarized	<b>\$264,400.00</b>	\$264,400.00	See Transition Plan Narrative and attached Dielectric Aux Antenna Quote for base and upgrade.	\$106,177.50	N/A



Sweep test of existing antenna	\$6,730.00	\$6,400.00	Please see transition plan narrative and attached Dielectric Aux Antenna Quote for base and upgrade.	\$4,224.00	N/A
Elbow complex, broadband, at antenna input, per 7 3/16. feedline (if needed)	\$16,850.00	\$16,000.00	Please see transition plan narrative and attached Dielectric Aux Antenna Quote for base and upgrade.	\$7,900.20	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$22,000.00	N/A	\$10,840.50	N/A
<b>Sub-total</b>	\$624,920.00	\$852,320.00	N/A	\$383,351.10	N/A
<b>Total for all systems</b>	\$3,855,893.38	\$4,040,442.38	N/A	\$2,094,330.20	N/A

## Components

### Actual Information

Description

File Name

<p>UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized</p>	<p><b>Component Description:</b> UHF Main Antenna, VPOL, Top Plate. Items 1,2,3 on invoice. Prior to Ship 33%.</p> <p><b>Amount:</b> \$121,042.35</p> <p><b>Component Description:</b> UHF Main Antenna, VPOL, Top Plate. Items 1,2,3 on invoice. First 33%.</p> <p><b>Amount:</b> \$121,042.35</p>
<p>Sweep test of existing antenna</p>	<p><b>Component Description:</b> Sweep - on-site for KOTV Main. Item 33 on invoice, Prior to Ship 33%.</p> <p><b>Amount:</b> \$2,112.00</p> <p><b>Component Description:</b> Sweep - on-site for KOTV Main. Item 33 on invoice, first 33%.</p> <p><b>Amount:</b> \$2,112.00</p>
<p>Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)</p>	<p><b>Component Description:</b> Elbow Complex 6-75 Digit KOTV Main. Item 4 on invoice - Prior to Ship 33%</p> <p><b>Amount:</b> \$3,950.10</p> <p><b>Component Description:</b> Elbow Complex 6-75 Digit KOTV Main. Item 4 on invoice - first 33%</p> <p><b>Amount:</b> \$3,950.10</p>

<p>Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)</p>	<p>Information not provided.</p>	
<p>UHF - High Power, Side Mount, basic slot antenna, 730 kW input, elliptically or circularly polarized</p>	<p><b>Component Description:</b></p> <p><b>Amount:</b></p> <p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>UHF - Side Mount Aux Antenna KOTV. Item 24 invoice. Prior to Ship 33% \$53,088.75</p> <p>UHF - Side Mount Aux Antenna KOTV. Item 24 invoice. First 33% \$53,088.75</p>
<p>Sweep test of existing antenna</p>	<p><b>Component Description:</b></p> <p><b>Amount:</b></p> <p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>Sweep on-site KOTV Aux. Item 31 on invoice. Prior to Ship 33% \$2,112.00</p> <p>Sweep on-site KOTV Aux. Item 31 on invoice. First 33%. \$2,112.00</p>

<p>Elbow complex, broadband, at antenna input, per 7 3/16. feedline (if needed)</p>	<p><b>Component Description:</b> Elbow complex 6-75 KOTV Aux, item 27 on invoice. Prior to Ship 33%.</p> <p><b>Amount:</b> \$3,950.10</p> <p><b>Component Description:</b> Elbow complex 6-75 KOTV Aux, item 27 on invoice. First 33%.</p> <p><b>Amount:</b> \$3,950.10</p>
<p>Side mount brackets for high power antennas (if not included in antenna base cost)</p>	<p><b>Component Description:</b> KOTV Aux Side Mounts, also includes scatter study. Item 26 on invoice. Prior to Ship 33%</p> <p><b>Amount:</b> \$5,420.25</p> <p><b>Component Description:</b> KOTV Aux Side Mounts, also includes scatter study. Item 26 on invoice. First 33%</p> <p><b>Amount:</b> \$5,420.25</p>

**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>Primary Transmission Line</b>	<b>\$393,900.00</b>	<b>\$404,600.00</b>		<b>\$210,437.86</b>	
Rigid Transmission Line - copper, 6 1/8"	\$393,900.00	\$404,600.00	Please see transition plan narrative and attached Dielectric Main Antenna Quote for base and upgrade.	\$210,437.86	N/A
<b>Auxiliary Transmission Line</b>	<b>\$6,751.00</b>	<b>\$6,751.00</b>		<b>\$6,751.00</b>	
Sweep Test	<i>\$6,751.00</i>	\$6,751.00	Transmission line manufacturer recommends testing the line for ability to support post-auction channel 26. See attached Auxiliary line sweep recommendation.	\$6,751.00	Request receipts for lodging and adjusting mileage as per notification sent by Leila Gonzales dated 2019082. Will refill once received.
<b>Sub-total</b>	<b>\$400,651.00</b>	<b>\$411,351.00</b>	N/A	<b>\$217,188.86</b>	N/A
<b>Total for all systems</b>	<b>\$3,855,893.38</b>	<b>\$4,040,442.38</b>	N/A	<b>\$2,094,330.20</b>	N/A

**Components**

**Actual Information****Description****File Name**

Rigid Transmission Line -  
copper, 6 1/8"

**Component Description:**

Rigid Transmission  
Line, TLSCR's,  
Reducer, and Test  
port. Items 5, 9, 28,  
and 29 on invoice.  
Prior to Ship 33%.

**Amount:**

\$105,218.93

**Component Description:**

Rigid Transmission  
Line, TLSCR's,  
Reducer, and Test  
port. Items 5, 9, 28,  
and 29 on invoice.  
First 33%.

**Amount:**

\$105,218.93

Sweep Test

**Component Description:**

Requested receipts  
for lodging and  
adjusting mileage  
as per notification  
sent by Leila  
Gonzalez dated  
20190827. Will  
refile once received.

**Amount:**

\$6,751.00

**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 TOWER</b>	<b>\$791,600.00</b>	<b>\$762,000.00</b>		<b>\$0.00</b>	
Minor tower reinforcement /modifications	\$158,000.00	\$150,000.00	N/A	N/A	N/A
Structural engineering tower load study for well documented tower	\$12,600.00	\$12,000.00	N/A	N/A	N/A
Auxiliary antenna replacement	<i>\$200,000.00</i>	\$200,000.00	N/A	\$0.00	N/A
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$400,000.00	Tower has a stacked antennas. Please see transition plan narrative.	N/A	N/A
<b>Sub-total</b>	<b>\$791,600.00</b>	<b>\$762,000.00</b>	<b>N/A</b>	<b>\$0.00</b>	<b>N/A</b>
<b>Total for all systems</b>	<b>\$3,855,893.38</b>	<b>\$4,040,442.38</b>	<b>N/A</b>	<b>\$2,094,330.20</b>	<b>N/A</b>

**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>\$416,793.00</b>	<b>\$404,192.00</b>		<b>\$16,260.50</b>	
Transmitter Installation	<i>\$160,600.00</i>	\$160,600.00	MARSAND to install and commission transmitter. Please see attached MARSAND quote 1756.	N/A	N/A
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 - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	\$440.50	N/A



Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	\$4,210.00	\$4,000.00	N/A	\$767.00	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$1,261.00	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	N/A	N/A	N/A
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	\$1,580.00	\$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

RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	\$2,105.00	\$2,000.00	N/A	\$1,850.00	N/A
Project management of the transition	\$112,338.00	\$106,650.00	N/A	N/A	N/A
Prepare and or review reimbursement form	\$2,630.00	\$3,192.00	Sub-Total over Predetermined and Estimated Cost due to only taken in account Engineering review. Additional cost (s) are related to attorney fees.	\$3,192.00	Sub-Tr over Predeterri and Estim Cost du only tak accou Enginee reviev Additiona (s) are re to attor fees
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	\$6,500.00	N/A

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$2,250.00	N/A
<b>Sub-total</b>	\$416,793.00	\$404,192.00	N/A	\$16,260.50	N/A
<b>Total for all systems</b>	\$3,855,893.38	\$4,040,442.38	N/A	\$2,094,330.20	N/A

### Components

Actual Information	
Description	File Name
Transmitter Installation	Information not provided.
RF Exposure Measurements	Information not provided.
Comprehensive coverage verification via field study, if needed	Information not provided.
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	<p><b>Component Description:</b> Form 2100 - Schedule A Modificatoin App / Draft App to reassign to new channel pursuant to post-auction repack.</p> <p><b>Amount:</b> \$440.50</p>

<p>Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application</p>	<p><b>Component Description:</b> Prepare draft app for new aux system, FCC Form 2100 aux antenna, finalize and file form 2100 aux antenna for KOTV.</p> <p><b>Amount:</b> \$767.00</p>
<p>Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application</p>	<p><b>Component Description:</b> FCC Form 2100 construction permit app for KOTV</p> <p><b>Amount:</b> \$630.50</p> <p><b>Component Description:</b> Attorney call and prep work regarding KOTV FCC Form 2100 and 399.</p> <p><b>Amount:</b> \$194.00</p> <p><b>Component Description:</b> Combined work on FCC form 2100 and 399. Finalize and file FCC form 2100 and 399 for KOTV.</p> <p><b>Amount:</b> \$436.50</p>
<p>Prepare request for Special Temporary Authorization</p>	<p>Information not provided.</p>
<p>RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application</p>	<p>Information not provided.</p>
<p>Prepare engineering section of FCC Form 2100 (main), License to Cover Application</p>	<p>Information not provided.</p>

RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	<p><b>Component Description:</b> Prepare engineering section of FCC Form 2100, CP (AUX).</p> <p><b>Amount:</b> \$1,850.00</p>
Project management of the transition	Information not provided.
Prepare and or review reimbursement form	<p><b>Component Description:</b> KOTV Form 399 Preparation</p> <p><b>Amount:</b> \$291.00</p> <p><b>Component Description:</b> Work on FCC form 399 for KOTV, submit FCC form 399 and minor mod app and download full file copies.</p> <p><b>Amount:</b> \$401.00</p> <p><b>Component Description:</b> Prepare and/or review reimbursement form.</p> <p><b>Amount:</b> \$2,500.00</p>
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.
Perform engineering study for new channel assignment and antenna development	<p><b>Component Description:</b> Perform engineering study for new channel assignment and antenna development - complex system: multi-channel, shared combiner, multi-tenant site</p> <p><b>Amount:</b> \$6,500.00</p>

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Prepare engineering section  
of FCC Form 2100 (main),  
Construction Permit  
Application

**Component Description:**

Prepare engineering  
section of FCC Form  
2100, CP Main

**Amount:**

\$2,250.00

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**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
<b>Other Expenses</b>	<b>\$146,277.79</b>	<b>\$137,427.79</b>		<b>\$50,478.15</b>
Transmitter Shipping-Handling	<i>\$19,962.24</i>	\$19,962.24	Shipping - Handling for GatesAir Transmitter	\$19,962.24
Tower Site Security	<i>\$1,751.89</i>	\$1,751.89	Tower site does not have security cameras. KOTV adding security cameras for security purposes of storing millions of dollars worth of repack at KOTV's building at tower site.	\$1,751.89
Site Prep Equipment	<i>\$2,591.50</i>	\$2,591.50	To receive in equipment and move around heavy equipment for install a pallet jack was required to be purchased. Also, includes a forklift rental and strapping equipment to move heavy transmitter gear into storage.	\$2,391.50
Main Antenna - RFreight	<i>\$22,318.00</i>	\$22,318.00	Main Antenna - RFreight, shipping, and handling as per Dielectric invoice attached SO 87002 KOTV Invoice MAN00153.pdf line item 32.	\$14,729.88
Aux Antenna - RFreight	<i>\$9,678.00</i>	\$9,678.00	Aux Antenna - RFreight, shipping, and handling as per Dielectric invoice attached SO 87002 KOTV Invoice MAN00153.pdf line item 30.	\$6,387.48
Attorney Fee - Review Work Form 387	<i>\$1,000.00</i>	\$1,000.00	Attorney Fees associated with reviewing FCC Form 387 for KOTV.	\$509.00

Attorney Fee - FCC Filing Fee	<b><i>\$1,070.00</i></b>	\$1,070.00	FCC Filing Fees - KOTV Repack - Attorney fees	\$0.00
MVPD Notification of Channel Change	<b><i>\$750.00</i></b>	\$750.00	Please see attached MVPD Notification Quote.	N/A
Develop and air announcement of upcoming channel change	<b><i>\$43,000.00</i></b>	\$43,000.00	Cost estimates associated with outsourcing the production of the viewer announcements for the upcoming channel change. Refer to KOTV GMSRepackRescanEstimate. pdf in the attachments.	\$0.00
Disposal Costs (for equipment and other waste, net of any salvage value)	<b><i>\$27,000.00</i></b>	\$27,000.00	Existing transmitter removal and fluid recovery. Remove and dispose of existing main and auxiliary antennas and transmission line. See attached MARSAND quote 1755.	\$780.00
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A
FCC Filing Fees - Form 2100 minor change CP application	\$1,110.00	\$1,070.00	N/A	N/A
Site Prep - TX Space	<b><i>\$3,966.16</i></b>	\$3,966.16	Site where the new transmitter is being installed required some re-work of the wall inclosure.	\$3,966.16
DTV Medical Facility Notification	\$11,550.00	\$2,755.00	N/A	N/A



<b>Sub-total</b>	\$146,277.79	\$137,427.79	N/A	\$50,478.15
<b>Total for all systems</b>	\$3,855,893.38	\$4,040,442.38	N/A	\$2,094,330.2

## Components

Actual Information	
Description	File Name
Transmitter Shipping-Handling	<p><b>Component Description:</b> FREIGHT</p> <p><b>Amount:</b> \$19,962.24</p>
Tower Site Security	<p><b>Component Description:</b> Tower site does not have security cameras. KOTV adding security cameras for security purposes of storing millions of dollars worth of repack at KOTV's building at tower site.</p> <p><b>Amount:</b> \$1,751.89</p>
Site Prep Equipment	<p><b>Component Description:</b> Heavy Load Lifting Straps to move around new tx cabinets into place for install.</p> <p><b>Amount:</b> \$77.16</p> <p><b>Component Description:</b> Web sling for lifting heavy equipment. Initial charge was 73.74, refund of 15.18 for items not used. Reimbursement request for 58.56</p> <p><b>Amount:</b> \$58.56</p>

**Component Description:** Gantry Crane and components required to lift transmitter equipment into place at site. Less Gift Card

**Amount:** \$1,026.21

**Component Description:** To receive in equipment and move around parts for install a pallet jack was required to be purchased.

**Amount:** \$301.12

**Component Description:** Dolly equipment. Initial charge 180.09, returned items not used at a refund of 115.01. Charges requested for reimbursement equal 65.08.

**Amount:** \$65.08

**Component Description:** Forklift Rental

**Amount:** \$863.37

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Main Antenna - RFreight

**Component Description:** Main Antenna  
Freight, Shipping,  
and Handling - 2/3  
Prior to Ship invoice  
amount as per  
invoice line item 32

**Amount:** \$7,364.94

**Component Description:** Main Antenna  
Freight, Shipping,  
and Handling - 1/3  
ARO invoice amount  
as per invoice line  
item 32 - SO 827002  
KOTV Invoice  
MAN00153.pdf

**Amount:** \$7,364.94

Aux Antenna - RFreight

**Component Description:** Aux Antenna Freight,  
Shipping, and  
Handling - 2/3 Prior  
to Ship invoice  
amount as per  
invoice line item 30

**Amount:** \$3,193.74

**Component Description:** Aux Antenna Freight,  
Shipping, and  
Handling - 1/3 ARO  
invoice amount as  
per invoice line item  
30 - SO 827002  
KOTV Invoice  
MAN00153.pdf

**Amount:** \$3,193.74

<p>Attorney Fee - Review Work Form 387</p>	<p><b>Component Description:</b> Review draft form 387 transition progress report.</p> <p><b>Amount:</b> \$106.00</p> <p><b>Component Description:</b> Work on KOTV FCC Form 387 quarterly filing.</p> <p><b>Amount:</b> \$106.00</p> <p><b>Component Description:</b> Work on KOTV FCC Form 387 quarterly filing.</p> <p><b>Amount:</b> \$100.00</p> <p><b>Component Description:</b> Review KOTV Form 387</p> <p><b>Amount:</b> \$100.00</p> <p><b>Component Description:</b> Review draft KOTV schedule 387 3Q 2017 report.</p> <p><b>Amount:</b> \$97.00</p>
<p>Attorney Fee - FCC Filing Fee</p>	<p><b>Component Description:</b> KOTV Repack FCC Filing Fees - Attorney Fees</p> <p><b>Amount:</b> \$1,070.00</p>
<p>MVPD Notification of Channel Change</p>	<p>Information not provided.</p>
<p>Develop and air announcement of upcoming channel change</p>	<p>Information not provided.</p>

Disposal Costs (for equipment and other waste, net of any salvage value)	<b>Component Description:</b> Onsite construction / scrap dumpster. <b>Amount:</b> \$390.00
	<b>Component Description:</b> 12 YARD DELIVERY - receipt for the dumpster for unpacking and placing the new transmitter for KOTV-DT FIN: 35434 <b>Amount:</b> \$390.00
FCC Filing Fees - Special Temporary Authorization request	Information not provided.
FCC Filing Fees - Form 2100 license to cover application	Information not provided.
FCC Filing Fees - Form 2100 minor change CP application	Information not provided.
Site Prep - TX Space	<b>Component Description:</b> Drywall and wall construction around new KOTV-DT CH26 Transmitter. <b>Amount:</b> \$3,739.60
	<b>Component Description:</b> Wall prep and paint. <b>Amount:</b> \$140.86
	<b>Component Description:</b> Wall prep and paint. <b>Amount:</b> \$80.16
	<b>Component Description:</b> Site prep <b>Amount:</b> \$5.54
DTV Medical Facility Notification	Information not provided.



Cost Information	Grand Total		
	Predetermined Cost Estimate	Estimated Cost	Actual Cost
<b>Total for all systems</b>	\$3,855,893.38	\$4,040,442.38	\$2,094,330.20

Reimbursement Status	Question	Response
		The facility has ceased operating on its pre-auction channel.
	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 Estimated Expenses 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 data-bbox="767 779 1070 1093">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 data-bbox="767 1122 1038 1368">2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> <li data-bbox="767 1397 1054 1675">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.

<p>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.</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>Trevor Wiseman</b> <i>VP of Technology</i></p> <p>11/01/2019</p>

**Attachments**