



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **35434** | Service: **DTV** | Call **KOTV-DT** | Channel: **26 (UHF)** |  
ID:  
File **0000028007**  
Number:  
FRN: **0015452238** | Date **02/07**  
Submitted: **/2019**

## Applicant Information

### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>GRIFFIN LICENSING, L.L.C.</b> Doing Business As: Griffin Licensing, L.L.C.	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
Transmitter Related Expenses	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
New Transmitter	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	ULXTE-100
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	63 kW
	Justification for New Transmitter	See attached Transition Plan Narrative

**Primary  
Transmitter**

**Other Transmitter Costs**

Section	Question	Response
Electrical Service	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
HVAC Service	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
Existing Antenna Description	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
Existing Antenna Manufacturer and Type	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



**Auxiliary  
Antenna**

**New Antenna Costs**

Section	Question	Response
New Antenna Description	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
New Antenna Manufacturer and Types	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

Primary  
Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Types	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?	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	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?	No
<b>Pattern Scatter Analysis</b>	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
<b>Sweep Test</b>	Do you require the sweep testing of transmission line and antenna?	Yes

**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?	Yes

**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
New Transmission Line Costs	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
66195	KOED-TV	DTV
66586	KWGS	FM
81517	KWTU	FM
59439	KJRH-TV	DTV
37099	KWHB	DTV

## 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
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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**

Section	Question	Response
<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
AM Pattern Disturbance	Is an Impact Study needed?	No
	Is Remediation needed?	No
Facility Expenses	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
Permit and Filing Costs	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
Other Miscellaneous Expenses	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>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>Transmitter Shipping-Handling</b>	Shipping - Handling for GatesAir Transmitter as per attached quote - KOTVULXTE80.pdf
<b>Attorney Fee - Review Work Form 387</b>	Review and Work on Form 387 for KO

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 ULXTE-100	\$1,409,900.00	\$1,407,400.00		\$929,603.23	
UHF - Liquid Cooled Solid State Transmitter 63 kW	<i>\$1,361,300.00</i>	\$1,361,300.00	See Gates Air quotes for ULXTE80 and ULXTE80to100 upgrade for base and upgrade. This quote does not include Installation and Commissioning. Installation and commission is handled by MARSAND.	\$929,603.23	N/A
3" Rigid Conduit and Wiring (Cost per foot)	\$10,400.00	\$9,800.00	N/A	N/A	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	N/A	N/A
Sub-total	\$1,409,900.00	\$1,407,400.00	N/A	\$929,603.23	N/A
Total for all systems	\$3,775,019.00	\$3,959,568.00	N/A	\$1,253,419.89	N/A

Components

Actual Information Description	File Name
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UHF - Liquid Cooled Solid State Transmitter 63 kW	<table><tr><td data-bbox="727 96 1157 369"><b>Component Description:</b></td><td data-bbox="1157 96 1476 369">Invoice 2 of 3 for Transmitter - 33% Prior to Ship Invoice - GatesAir - KOTV JW30004177-2</td></tr><tr><td data-bbox="727 369 1157 481"><b>Amount:</b></td><td data-bbox="1157 369 1476 481">\$475,683.86</td></tr><tr><td data-bbox="727 481 1157 763"><b>Component Description:</b></td><td data-bbox="1157 481 1476 763">GatesAir 1/3 ARO - down payment for transmitter - As per Quote GA-00023857</td></tr><tr><td data-bbox="727 763 1157 875"><b>Amount:</b></td><td data-bbox="1157 763 1476 875">\$453,919.37</td></tr></table>	<b>Component Description:</b>	Invoice 2 of 3 for Transmitter - 33% Prior to Ship Invoice - GatesAir - KOTV JW30004177-2	<b>Amount:</b>	\$475,683.86	<b>Component Description:</b>	GatesAir 1/3 ARO - down payment for transmitter - As per Quote GA-00023857	<b>Amount:</b>	\$453,919.37
<b>Component Description:</b>	Invoice 2 of 3 for Transmitter - 33% Prior to Ship Invoice - GatesAir - KOTV JW30004177-2								
<b>Amount:</b>	\$475,683.86								
<b>Component Description:</b>	GatesAir 1/3 ARO - down payment for transmitter - As per Quote GA-00023857								
<b>Amount:</b>	\$453,919.37								
3" Rigid Conduit and Wiring (Cost per foot)	Information not provided.								
Switchgear - industrial 800 amp	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>Primary Antenna TFU-25JBH /VP-R 08</b>	<b>\$308,530.00</b>	<b>\$538,520.00</b>		<b>\$127,104.45</b>	
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.	\$3,950.10	N/A
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.	\$121,042.35	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.	\$2,112.00	N/A
<b>Auxiliary Antenna TFU-30DSC O4A</b>	<b>\$316,390.00</b>	<b>\$313,800.00</b>		<b>\$64,571.10</b>	
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.	\$53,088.75	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.	\$2,112.00	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.	\$3,950.10	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$22,000.00	N/A	\$5,420.25	N/A
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
<b>Sub-total</b>	\$624,920.00	\$852,320.00	N/A	\$191,675.55	N/A
<b>Total for all systems</b>	\$3,775,019.00	\$3,959,568.00	N/A	\$1,253,419.89	N/A

## Components

Actual Information	
Description	File Name
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	<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>



UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	<b>Component Description:</b> UHF Main Antenna, VPOL, Top Plate. Items 1,2,3 on invoice. First 33%.  <b>Amount:</b> \$121,042.35
Sweep test of existing antenna	<b>Component Description:</b> Sweep - on-site for KOTV Main. Item 33 on invoice, first 33%.  <b>Amount:</b> \$2,112.00
UHF - High Power, Side Mount, basic slot antenna, 730 kW input, elliptically or circularly polarized	<b>Component Description:</b> UHF - Side Mount Aux Antenna KOTV. Item 24 invoice. First 33%  <b>Amount:</b> \$53,088.75
Sweep test of existing antenna	<b>Component Description:</b> Sweep on-site KOTV Aux. Item 31 on invoice. First 33%.  <b>Amount:</b> \$2,112.00
Elbow complex, broadband, at antenna input, per 7 3/16. feedline (if needed)	<b>Component Description:</b> Elbow complex 6-75 KOTV Aux, item 27 on invoice. First 33%.  <b>Amount:</b> \$3,950.10
Side mount brackets for high power antennas (if not included in antenna base cost)	<b>Component Description:</b> KOTV Aux Side Mounts, also includes scatter study. Item 26 on invoice. First 33%  <b>Amount:</b> \$5,420.25

Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.
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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
Primary Transmission Line	\$393,900.00	\$404,600.00		\$105,218.93	
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.	\$105,218.93	N/A
Auxiliary Transmission Line	\$6,400.00	\$6,400.00		\$0.00	
Sweep Test	<i>\$6,400.00</i>	\$6,400.00	Transmission line manufacturer recommends testing the line for ability to support post- auction channel 26. See attached Auxiliary line sweep recommendation.	\$0.00	N/A
Sub-total	\$400,300.00	\$411,000.00	N/A	\$105,218.93	N/A
Total for all systems	\$3,775,019.00	\$3,959,568.00	N/A	\$1,253,419.89	N/A

Components

Actual Information Description	File Name
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Rigid Transmission Line - copper, 6 1/8"	<div><div><b>Component Description:</b></div><div>Rigid Transmission Line, TLSCR's, Reducer, and Test port. Items 5, 9, 28, and 29 on invoice. First 33%.</div><div><b>Amount:</b></div><div>\$105,218.93</div></div>
Sweep Test	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	\$791,600.00	\$762,000.00		\$0.00	
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
Sub-total	\$791,600.00	\$762,000.00	N/A	\$0.00	N/A
Total for all systems	\$3,775,019.00	\$3,959,568.00	N/A	\$1,253,419.89	N/A

Components

Information not provided.

Cost  
Information

Outside Professional Services

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	\$416,793.00	\$404,192.00		\$16,066.50	
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
Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$1,067.00	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
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-Total over Predetermined and Estimated Cost due to only taken in account Engineering review. Additional cost (s) are related to attorney fees.
Project management of the transition	\$112,338.00	\$106,650.00	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	\$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

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
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, License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	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
<b>Sub-total</b>	\$416,793.00	\$404,192.00	N/A	\$16,066.50	N/A
<b>Total for all systems</b>	\$3,775,019.00	\$3,959,568.00	N/A	\$1,253,419.89	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.	
Prepare request for Special Temporary Authorization	Information not provided.	
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	<b>Component Description:</b>  <b>Amount:</b>	FCC Form 2100 construction permit app for KOTV \$630.50
	<b>Component Description:</b>  <b>Amount:</b>	Combined work on FCC form 2100 and 399. Finalize and file FCC form 2100 and 399 for KOTV. \$436.50
	<b>Component Description:</b>  <b>Amount:</b>	Attorney call and prep work regarding KOTV FCC Form 2100 and 399. \$194.00
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	<b>Component Description:</b>  <b>Amount:</b>	Form 2100 - Schedule A Modificatoin App / Draft App to reassign to new channel pursuant to post-auction repack. \$440.50

<p>Prepare and or review reimbursement form</p>	<table> <tr> <td data-bbox="727 100 1145 293"> <p><b>Component Description:</b></p> <p><b>Amount:</b></p> </td><td data-bbox="1145 100 1474 293"> <p>Prepare and/or review reimbursement form. \$2,500.00</p> </td></tr> <tr> <td data-bbox="727 293 1145 508"> <p><b>Component Description:</b></p> <p><b>Amount:</b></p> </td><td data-bbox="1145 293 1474 508"> <p>KOTV Form 399 Preparation \$291.00</p> </td></tr> <tr> <td data-bbox="727 508 1145 981"> <p><b>Component Description:</b></p> <p><b>Amount:</b></p> </td><td data-bbox="1145 508 1474 981"> <p>Work on FCC form 399 for KOTV, submit FCC form 399 and minor mod app and download full file copies. \$401.00</p> </td></tr> </table>	<p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>Prepare and/or review reimbursement form. \$2,500.00</p>	<p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>KOTV Form 399 Preparation \$291.00</p>	<p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>Work on FCC form 399 for KOTV, submit FCC form 399 and minor mod app and download full file copies. \$401.00</p>
<p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>Prepare and/or review reimbursement form. \$2,500.00</p>						
<p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>KOTV Form 399 Preparation \$291.00</p>						
<p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>Work on FCC form 399 for KOTV, submit FCC form 399 and minor mod app and download full file copies. \$401.00</p>						
<p>Project management of the transition</p>	<p>Information not provided.</p>						
<p>Address transition timing and coordination issues w/ other stations and wireless</p>	<p>Information not provided.</p>						
<p>Perform engineering study for new channel assignment and antenna development</p>	<table> <tr> <td data-bbox="727 1249 1145 1682"> <p><b>Component Description:</b></p> <p><b>Amount:</b></p> </td><td data-bbox="1145 1249 1474 1682"> <p>Perform engineering study for new channel assignment and antenna development - complex system: multi-channel, shared combiner, multi-tenant site \$6,500.00</p> </td></tr> </table>	<p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>Perform engineering study for new channel assignment and antenna development - complex system: multi-channel, shared combiner, multi-tenant site \$6,500.00</p>				
<p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>Perform engineering study for new channel assignment and antenna development - complex system: multi-channel, shared combiner, multi-tenant site \$6,500.00</p>						
<p>Prepare engineering section of FCC Form 2100 (main), Construction Permit Application</p>	<table> <tr> <td data-bbox="727 1783 1145 2018"> <p><b>Component Description:</b></p> <p><b>Amount:</b></p> </td><td data-bbox="1145 1783 1474 2018"> <p>Prepare engineering section of FCC Form 2100, CP Main \$2,250.00</p> </td></tr> </table>	<p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>Prepare engineering section of FCC Form 2100, CP Main \$2,250.00</p>				
<p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>Prepare engineering section of FCC Form 2100, CP Main \$2,250.00</p>						

RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	<p><b>Component Description:</b></p> <p>Prepare engineering section of FCC Form 2100, CP (AUX).</p> <p><b>Amount:</b></p> <p>\$1,850.00</p>
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	Information not provided.
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	<p><b>Component Description:</b></p> <p>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></p> <p>\$767.00</p>

## 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>\$131,506.00</b>	<b>\$122,656.00</b>		<b>\$10,855.68</b>
Attorney Fee - Review Work Form 387	<i>\$1,000.00</i>	\$1,000.00	Attorney Fees associated with reviewing FCC Form 387 for KOTV.	\$297.00
Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$27,000.00</i>	\$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.	\$0.00
DTV Medical Facility Notification	\$11,550.00	\$2,755.00	N/A	N/A
Transmitter Shipping-Handling	<i>\$13,500.00</i>	\$13,500.00	Shipping - Handling for GatesAir Transmitter as per attached quote - KOTVULXTE80.pdf	N/A
Develop and air announcement of upcoming channel change	<i>\$43,000.00</i>	\$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
Attorney Fee - FCC Filing Fee	<i>\$1,070.00</i>	\$1,070.00	FCC Filing Fees - KOTV Repack - Attorney fees	\$0.00
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.	\$3,193.74

Main Antenna - RFreight	<b>\$22,318.00</b>	\$22,318.00	Main Antenna - RFreight, shipping, and handling as per Dielectric invoice attached SO 87002 KOTV Invoice MAN00153.pdf line item 32.	\$7,364.94
MVPD Notification of Channel Change	<b>\$750.00</b>	\$750.00	Please see attached MVPD Notification Quote.	N/A
FCC Filing Fees - Form 2100 minor change CP application	\$1,110.00	\$1,070.00	N/A	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A
<b>Sub-total</b>	\$131,506.00	\$122,656.00	N/A	\$10,855.68
<b>Total for all systems</b>	\$3,775,019.00	\$3,959,568.00	N/A	\$1,253,419.8

## Components

**Actual Information**  
**Description**

**File Name**

Attorney Fee - Review Work Form 387	<b>Component Description:</b>		Review KOTV Form 387
	<b>Amount:</b>		\$100.00
	<b>Component Description:</b>		Review draft KOTV schedule 387 3Q 2017 report.
	<b>Amount:</b>		\$97.00
	<b>Component Description:</b>		Work on KOTV FCC Form 387 quarterly filing.
	<b>Amount:</b>		\$100.00
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.		
DTV Medical Facility Notification	Information not provided.		
Transmitter Shipping-Handling	Information not provided.		
Develop and air announcement of upcoming channel change	Information not provided.		
Attorney Fee - FCC Filing Fee	<b>Component Description:</b>		KOTV Repack FCC Filing Fees - Attorney Fees
	<b>Amount:</b>		\$1,070.00

Aux Antenna - RFreight	<p><b>Component Description:</b></p> <p>Aux Antenna Freight, Shipping, and Handling - 1/3 ARO invoice amount as per invoice line item 30 - SO 827002 KOTV Invoice MAN00153. pdf</p> <p><b>Amount:</b></p> <p>\$3,193.74</p>
Main Antenna - RFreight	<p><b>Component Description:</b></p> <p>Main Antenna Freight, Shipping, and Handling - 1/3 ARO invoice amount as per invoice line item 32 - SO 827002 KOTV Invoice MAN00153. pdf</p> <p><b>Amount:</b></p> <p>\$7,364.94</p>
MVPD Notification of Channel Change	Information not provided.
FCC Filing Fees - Form 2100 minor change CP application	Information not provided.
FCC Filing Fees - Form 2100 license to cover application	Information not provided.
FCC Filing Fees - Special Temporary Authorization request	Information not provided.

**Cost  
Information**

**Grand Total**

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$3,775,019.00	\$3,959,568.00	\$1,253,419.89

**Reimbursement Status**

Question	Response
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
	Submission of Estimated Expenses Statements	<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.

<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>02/07/2019</p>

Certification	Section	Question	Response
	Submission of Actual Cost Documentation Statements	<p>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).</p>	
		<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> <li>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.</li> </ol>	

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.
8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

<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>Trevor Wiseman ,</b>  <b>Wiseman .</b>  <i>VP of Technology</i></p> <p>02/07/2019</p>

## Attachments