

(REFERENCE COPY - Not for submission)

#### FCC Form 399: Reimbursement Request

59444 Service: DTV Call **KSHB-TV** Channel: 36 (UHF) Facility Sign:

ID:

File 0000027266

Number:

FRN: **0002710192** Date 10/19

> Submitted: /2020

#### **Applicant** Information

#### **Applicant Name, Type, and Contact Information**

Applicant	Address	Phone	Email	Applicant Type
SCRIPPS BROADCASTING HOLDINGS LLC	David Giles 312 WALNUT STREET 28TH FLOOR CINCINNATI, OH 45202 United States	+1 (513) 977- 3000	DAVE. GILES@SCRIPPS. COM	Limited Liability Company

### Reimbursement Contact Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email	
[Confidential]				

#### **Preparer** Contact Information

#### **Preparer Contact Name and Information**

Applicant	Address	Phone	Email
Ray Thurber SCRIPPS BROADCASTING HOLDINGS LLC	Ray Thurber 312 Walnut St. Cincinnati, OH 45202 United States	+1 (248) 827- 9202	ray. thurber@scripps. com

#### 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	KSHB must replace its main and auxiliary antenna and main and auxiliary transmitter in order to move it its new channel.

#### **Transmitters**

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

#### Auxiliary Transmitter

#### **Existing Transmitter Information**

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Auxiliary (Backup)
	Description of Use	Backup Auxiliary
	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
Existing Transmitter	Manufacturer	
Manufacturer and Type	Model	HP25SDW
	Year	2003
	Туре	Inductive Output Tube
	IOT Power Type	Single
	Power Capacity	25.0 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?	No
	Manufacturer	
	Model	ULXTE-50
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	31.7 kW
	Justification for New Transmitter	Current Axcera transmitter is orphaned and no longer supported by the manufacturer. It cannot be retuned. Higher power is required because the antenna was moved to a lower height on the tower.

#### Auxiliary Transmitter

#### **Other Transmitter Costs**

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	Yes

Power	300 kVA
Rigid Conduit and Wiring	No
Size	N/A
Length	N/A
Other Electrical Service	Yes
Description	Necessary switchgear, transformer, conduit, wiring, and fuse disconnects as quoted by electrical contractor for auxiliary transmitter.
Does the replacement transmitter require HVAC Service?	No
Туре	N/A
Size	N/A
Other Size	N/A
Does the Transmitter Building require an addition, modification, other leashold improvement?	No
Size	N/A
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
	Rigid Conduit and Wiring  Size  Length  Other Electrical Service  Description  Does the replacement transmitter require HVAC Service?  Type  Size  Other Size  Does the Transmitter Building require an addition, modification, other leashold improvement?  Size  Is an RF Consulting Engineer needed?  Is a channel 14 Mask Filer needed?  Is additional field engineering time needed?

## Auxiliary Transmitter

Other Transmitter Cost Not Listed

**Transmitter** Information not provided.

#### Primary Transmitter

#### **Existing Transmitter Information**

Section	Question	Response
Existing Transmitter Description	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
Existing Transmitter	Manufacturer	
Manufacturer and Type	Model	HP60DDW
	Year	2003
	Туре	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	60.0 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-120
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	66.6 kW
	Justification for New Transmitter	Current Axcera transmitter is orphaned and no longer supported by the manufacturer. Parts are in very limited supply or not available. It cannot be re- tuned. Current transmitter has headroom. Station asking for 1 step-up.

#### Primary 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	No
	Size	N/A
	Length	N/A
	Other Electrical Service	Yes
	Description	Necessary switchgear transformer conduit, wiring, and fuse disconnects as quoted by electrical contractor for primary transmitter.
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Туре	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
	Size	N/A
Channel 14 Costs	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

**Other Transmitter Cost Not Listed** 

Primary
Transmitter 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	Backup Auxiliary
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	Yes
	Is the existing antenna directional?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
Existing Antenna	Class	Full Power
Manufacturer and Type	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Туре	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)	1000.0 kW

Manufacturer	
Model	TFU- 30DSC-R 4C130DC
Year	2003

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

Facility ID	Call Sign
42636	KMCI-TV

#### Auxiliary Antenna

#### **New Antenna Costs**

Section	Question	Response
New Antenna Description	Use	Auxiliary (Backup)
	Description of Use	Backup Auxiliary
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	Yes
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna	Class	Full Power
Manufacturer and Types	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	Broadband Panel
	Number of Stations Supported	2
	Number of Panels/Bays	14
	Lower Limit	470.00 MHz
	Upper Limit	728.00 MHz
	Design power capacity in use	80.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	1000.0 kW
	Manufacturer	

Model	TUA-04-14 /56H-1-S
Year	2018
Justification for New Antenna	Existing KSHB auxiliary antenna is a side- mounted coaxial slot antenna. The existing KMCI auxiliary is also a side- mounted coaxial slot antenna. To save money in the repack, Scripps is proposing to combined these facilities into a single antenna located

#### Auxiliary Antenna

#### **Other Antenna Costs**

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	Yes
	Туре	New
	Number of channels supported	2
	Frequencies of channels supported	RF channel
	Frequency	N/A

	Do you need a combiner output splitter /switcher for dual feed lines?	No
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 a high power antenna?	No
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

## Enter a list of RF channel numbers.

RF Channel Number	
36	
25	

#### Auxiliary Antenna

**Other Antenna Cost Not Listed** 

Information not provided.

#### **Existing Antenna Information**

Section	Question	Response
Existing Antenna Description	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?	Yes
	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	Class	Full Power
Manufacturer and Type	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Туре	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)	730.0 kW

Manufacturer	
Model	TFU-30GTH /VP-R O6 DC 4241
Year	2009

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

Facility ID	Call Sign
42636	KMCI-TV

#### **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?	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
New Antenna	Class	Full Power
Manufacturer and Types	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Туре	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)	647.0 kW
	Manufacturer	

Model	TFU-28GTH /VP-R O6
Year	2018
Justification for New Antenna	Existing main antenna is a coaxial slot antenna that is channel specific and cannot be reused on the new channel.

#### **Other Antenna Costs**

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	
	Туре	
	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
Elbow Complex	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
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	

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

#### **Other Antenna Cost Not Listed**

Information not provided.

Transmission <sup>Seffien</sup>	Question	Response
Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

# Auxiliary Existing Transmission Line

#### **Existing Transmission Line**

n Line Section	Question	Response
Existing Transmission Line Description	Type of change	Purchase New
	Use	Auxiliary (Backup)
	Description of Use	Backup Auxiliary
	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	
	Туре	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	1060 feet per run

#### **New Transmission Line**

#### Auxiliary Transmission

section	Question	Response
New Transmission Line Costs	Use	Auxiliary (Backup)
	Description of Use	Backup Auxiliary
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Туре	Rigid
	Diameter	8 3/16 inches
	Other Diameter	N/A
	Segment Length	Broadband
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1120 feet per run
	Justification for New Transmission Line	KSHB will share a broadband panel antenna with KMCI. In order to facilitate both stations using the same antenna, the transmission line must be sized for both channels (Ch. 25 and Ch. 36).

#### Auxiliary

#### Other Transmission Line Expenses Not Listed

/ taxiiiai y			
Transmissio	n Line		

'Nattle	Description
Transmission Line Connectors	Copper line and flanges for connecting the line to the transmitter

#### **Existing Transmission Line**

#### Primary Transmission

n section	Question	Response
Existing Transmission Line Description	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?	Yes
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	
	Туре	Rigid
	Diameter	8 3/16 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1180 feet per run

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

Facility ID	Call Sign
42636	KMCI-TV

#### Primary Transmission

#### **New Transmission Line**

ion 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
	Туре	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	1180 feet per run
	Justification for New Transmission Line	The current KSHB transmission line has 19-1 /2" segment lengths which will not work for the new Ch. 36.

Primary Other Transmission Line Expenses Not Listed Transmission Line tion 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?	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	Do you have a tower registration number?	Yes
Registration	ASR Number	1234587
Coordinates (NAD83 ( North American Datum of	Latitude (NAD83)	38° 58' 42.0" N-
1983))	Longitude (NAD83)	094° 32′ 01.8" W-
	Overall Structure Height	1152.87 fee
	Support Structure Height	1099.72 fee
	Ground Elevation Above Mean Sea Level (AMSL)	884.83 feet

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	SCRIPPS MEDIA, INC.
Date Constructed	08/20/2009

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
42636	KMCI-TV	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:	No 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

Name	Description
Road Modification	Road Modification for large equipment to be delivered to site required for repack
PE Review of Rigging Plan	Professional Engineering review of proposed rigging plan as required by ANSI /ASEE A10.48 and ANSI/TIA 322 standards.

#### Outside Professional

Section	Question	Response
Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	595
	Explanation	reimbursement filing, expense tracking, vendor coordination, progress reporting, budget creation, budget review, budget tracking, daisychain monitoring and all other activities necessary
Outside RF consulting Engineering Services	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	2
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A

	Terrain-Shielded Facility	N/A
Attorney and Other Outside Consulting Services	Prepare and file Form FCC Construction Permit Application	Yes
oci vices	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	2
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	Yes
	FAA Consultation (including preparation of FAA Form 7460)	Yes
	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	No
RF Field Engineering Services	Comprehensive coverage verification via field study	No
	RF exposure measurements	No
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

#### Outside Professional

#### Other Professional Services Expenses Not Listed

Services Costs	Description
Site Survey	GatesAir performed a site survey to access changes to facility as necessary to transition to new channel including, power and HVAC requirements, available transmitter room space and existing antenna and transmission line RF characteristics at new channel.

# 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	Yes
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	No
	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?	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
Employee Time	Time needed by Scripps corporate and KSHB employees to work on the transition to a new channel.

# **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-120	\$1,989,564.32	\$1,989,564.32		\$54,329.50	
Other Electrical Service: Necessary switchgear, transformer, conduit, wiring, and fuse disconnects as quoted by electrical contractor for primary transmitter.	\$59,009.50	\$59,009.50	Please see KSHB-TV Auxiliary and Primary Transmitters - Other Electrical Services Budget Justification Cover Letter. Cost is shared with KMCI and split between KSHB Primary and Auxiliary Transmitters.	\$54,329.50	N/A
UHF - Liquid Cooled Solid State Transmitter 66.6 kW	\$1,930,554.82	\$1,930,554.82	Please see GatesAir quotes Q- 73346 and GA- 00024100	N/A	N/A
Auxiliary Transmitter ULXTE-50	\$824,745.40	\$749,745.40		\$730,702.33	
UHF - Liquid Cooled Solid State Transmitter 31.7 kW	\$ <b>726,967.40</b>	\$726,967.40	Please see attached GatesAir Quote Q- 62225	\$709,244.33	N/A

Other	\$22,778.00	\$22,778.00	KSHB-TV	\$21,458.00	N/A
Electrical			Auxiliary		
Service:			and Primary		
Necessary			Transmitters		
switchgear,			- Other		
ransformer,			Electrical		
conduit,			Services		
wiring, and			Budget		
use			Justification		
disconnects			Cover		
as quoted			Letter. Cost		
oy electrical			is shared		
contractor			with KMCI		
or auxiliary			and split		
ransmitter.			between		
			KSHB		
			Primary and		
			Auxiliary		
			Transmitters.		
Transformer 3 phase /480v - 300 KVA	\$36,800.00	\$0.00	N/A	\$0.00	N/A
Switchgear · industrial 800 amp	\$38,200.00	\$0.00	N/A	\$0.00	N/A
Sub-total	\$2,814,309.72	\$2,739,309.72	N/A	\$785,031.83	N/A
Total for all	\$4,618,467.29	\$4,373,276.59	N/A	\$1,710,351.04	N/A

#### Components

Actual Information Description	File Name	
Other Electrical Service: Necessary switchgear, transformer, conduit, wiring, and fuse disconnects as quoted by electrical contractor for primary transmitter.	Component Description: Amount:	Transmitter Hook- Up \$54,329.50
UHF - Liquid Cooled Solid State Transmitter 66.6 kW	Information not provided.	

UHF - Liquid Cooled Solid		
State Transmitter 31.7 kW	Component Description:	1/3 Down
		Payment
	Amount:	\$245,989.12
	Component Description:	ULXTE-50
		Transmitter per
		Quote Q-62225
	Amount:	\$5,000.00
	Component Description:	ULXTE-50
		Transmitter
	Amount:	\$155,649.79
	Component Description:	Aux Transmitter
	Amount:	\$56,616.30
	Component Description:	ULXTE-50
		Transmitter
	Amount:	\$245,989.12
Other Electrical Service:		
Necessary switchgear, transformer, conduit, wiring,	Component Description:	KSHB-TV-150-1s
and fuse disconnects as		Auxiliary
quoted by electrical		Transmitter -
contractor for auxiliary		Other Electrical Services
transmitter.	Amount:	\$21,458.00
		<del>+</del> =.,. <del>00.00</del>
Transformer 3 phase/480v -	Information not provided.	
300 KVA		
Switchgear - industrial 800	Information not provided.	
amp		

# **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
Primary Antenna TFU-28GTH /VP-R O6	\$308,530.00	\$296,253.17		\$269,294.23	
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$6,400.00	N/A
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$14,853.17	Per Estimated Cost Justification KSHB-TV- 210- Primary Antenna - Elbow Complex v1	\$10,396.73	N/A
UHF - High Power Top Mount (200-1000 kW), One station antenna, elliptically or circularly polarized	\$289,500.00	\$275,000.00	N/A	\$252,497.50	N/A
Auxiliary Antenna TUA-04-14 /56H-1-S	\$152,186.00	\$147,656.00		\$3,200.00	

New combiner, cost per channel (without antenna)	\$84,200.00	\$80,000.00	N/A	\$0.00	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$3,200.00	N/A
UHF – Broadband Panel, Side Mount Auxiliary /Interim, 1000 horizontally polarized	\$61,256.00	\$61,256.00	N/A	\$0.00	N/A
Sub-total	\$460,716.00	\$443,909.17	N/A	\$272,494.23	N/A
Total for all systems	\$4,618,467.29	\$4,373,276.59	N/A	\$1,710,351.04	N/A

Actual Information Description	File Name	
Sweep test of existing antenna	Component Description:	INCLUDES ONE FIELD ENGINEER ON- SITE FOR ONE DAY
	Amount:	\$6,400.00

Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	Component Description: Amount:	Elbow Complex \$4,633.88
	Component Description:	KSHB-TV-210- Primary Antenna -
	Amount:	Elbow Complex \$1,128.97
	Component Description: Amount:	Elbow Complex \$4,633.88
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	Component Description:	UHF - HIGH POWER TOP
, , , , , , , , , , , , , , , , , , , ,	Amount:	MOUNT \$31,327.00
	Component Description: Amount:	Antenna \$110,585.25
	Component Description: Amount:	Antenna \$110,585.25
New combiner, cost per channel (without antenna)	Information not provided.	
Sweep test of existing antenna	Component Description: Amount:	OTHER \$3,200.00
UHF – Broadband Panel, Side Mount Auxiliary/Interim, 1000 horizontally polarized	Information not provided.	

### **Cost** Information

#### **Transmission Line**

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cos
Primary Transmission Line	\$238,360.00	\$226,560.00		\$174,361.82	
Rigid Transmission Line - copper, 6 1/8"	\$238,360.00	\$226,560.00	N/A	\$174,361.82	N/A
Auxiliary Transmission Line	\$479,341.03	\$166,922.16		\$32,461.03	
Transmission Line Connectors	\$32,461.03	\$32,461.03	see Estimated Cost Justification KSHB-TV- 350-Auxiliary Transmission Line - Line Connector v0	\$32,461.03	Invoices
Rigid Transmission Line - copper, 8 3 /16" broadband	\$446,880.00	\$134,461.13	see Estimated Cost Justification KSHB-TV- 350-Auxiliary Transmission Line - 8 3_16 Broadband Rigid Copper v0	\$0.00	N/A
Sub-total	\$717,701.03	\$393,482.16	N/A	\$206,822.85	N/A
Total for all systems	\$4,618,467.29	\$4,373,276.59	N/A	\$1,710,351.04	N/A

Actual Information Description	File Name	
Rigid Transmission Line - copper, 6 1/8"	Component Description: Amount:	Transmission Line \$6,804.25
	Component Description: Amount:	Transmission Line \$71,413.96
	Component Description: Amount:	ELBOW 6-75 EIA 9 X 9 CU \$5,788.53
	Component Description:	FREIGHT, SHIPPING, AND HANDLING
	Amount:	\$288.14
	Component Description:  Amount:	KSHB-TV-310- Primary Transmission Line - 6 1/8" Rigid Copper \$9,919.24
	Component Description:	RIGID TRANSMISSION LINE - COPPER
	Amount:	\$1,581.00
	Component Description:  Amount:	RIGID TRANSMISSION LINE - COPPER \$1,105.00
	Component Description:	FREIGHT, SHIPPING, AND HANDLING

Amount:

\$530.48

Component Description: TLSCR 6-75 EHT

COATED

**Amount:** \$4,511.01

Component Description: Transmission Line

**Amount:** \$71,413.96

Component Description: FINAL ASSAY -

**BROADCAST** 

**Amount:** \$1,006.25

Transmission Line Connectors

Component Description: Other FREIGHT,

SHIPPING, AND HANDLING

**Amount:** \$801.90

Component Description: Pressure Sensor

100KPA

**Amount:** \$1,320.90

Component Description: Other Freight,

Shipping, and Handling

**Amount:** \$160.56

Component Description: Flange Assy 8 3/16

**FXD Solder** 

**Amount:** \$4,981.20

Component Description: RIGID

**TRANSMISSION** 

LINE - COPPER

**Amount:** \$6,644.45

Component Description: Other Freight,

Shipping and Handling

**Amount:** \$1,734.52

Component Description: ELBOW 8-75 EIA

DIGIT 12 X 24

**Amount:** \$16,800.00

**Component Description:** Other FREIGHT,

SHIPPING, AND

HANDLING

**Amount:** \$17.50

Rigid Transmission Line -				
copper, 8 3/16" broadband				

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	\$251,360.00	\$420,260.00		\$341,205.00	
Road Modification	\$24,510.00	\$24,510.00	Please see HomeMeister LLC Estimate	\$12,255.00	N/A
Tall Tower (greater than 500')	\$210,500.00	\$380,000.00	PCI quoted cost (quote attached) for rigging for both main and auxiliary antennas that need to be replaced. (Sweep test costs have been.)	\$325,900.00	N/A
Structural engineering tower load study for well documented tower	\$12,600.00	\$12,000.00	N/A	\$3,050.00	N/A
PE Review of Rigging Plan	\$3,750.00	\$3,750.00	Cost split with KMCI.	\$0.00	N/A
Sub-total	\$251,360.00	\$420,260.00	N/A	\$341,205.00	N/A
Total for all systems	\$4,618,467.29	\$4,373,276.59	N/A	\$1,710,351.04	N/A

Actual Information Description	File Name	
Road Modification		
	Component Description:	Deposit Road
		Rebuilding
	Amount:	\$12,255.00
Tall Tower (greater than		
500')	Component Description:	Balance due on
		completion
	Amount:	\$62,680.00
	Component Description:	Amount due upon
		acceptance
	Amount:	\$125,320.00
	Component Description:	11/12/18 Weather
		day due to snow
		and high wind
	Amount:	\$43,005.00
	Component Description:	Amount due on
		proposal acceptance
	Amount:	\$68,020.00
	Component Description:	Per Precision
		Communications,
		Inc. Addendum to
		Proposal 18835-6
		for March and April 2019 Weather
		Days, work
		performed outside
		scope of work, and
		additional
		engineering charge
	Amount:	\$26,875.00

Structural engineering tower load study for well documented tower	Component Description: Amount:	Analysis of 1100' guyed tower for re- pack \$3,050.00
PE Review of Rigging Plan	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	\$153,690.00	\$156,190.00		\$86,446.60	
Project management of the transition	\$94,010.00	\$99,675.00	Widelity Strategic Support Quote	\$82,866.60	N/A
Site Survey	\$13,765.00	\$13,765.00	N/A	\$0.00	N/A
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	\$2,105.00	\$2,000.00	N/A	\$0.00	N/A
ASR modification (prepare FCC Form 854)	\$2,105.00	\$2,000.00	N/A	\$0.00	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$7,360.00	\$7,000.00	N/A	\$0.00	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	\$0.00	N/A

Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	\$4,210.00	\$4,000.00	N/A	\$0.00	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$0.00	N/A
Prepare request for Special Temporary Authorization	\$4,100.00	\$3,000.00	N/A	\$825.00	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	\$0.00	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	\$0.00	N/A

Total for all systems	\$4,618,467.29	\$4,373,276.59	N/A	\$1,710,351.04	N/A
Sub-total	\$153,690.00	\$156,190.00	N/A	\$86,446.60	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	\$0.00	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$2,505.00	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$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	\$0.00	N/A

Actual Information Description	File Name	
Project management of the transition	Component Description:	Project Management
	Amount:	\$8,895.15

Component Description:

Project Management

Amount:

\$4,606.55

**Component Description:** 

**Project** 

Amount:

Management \$7,027.20

**Component Description:** 

Project

Amount:

Management \$572.80

ψ012.00

**Component Description:** 

Project

Amount:

Management

\$2,787.70

**Component Description:** 

Project

Amount:

Management

\$848.30

**Component Description:** 

Amount:

FCC Repack

\$37.50

Component Description:

Project

Amount:

Amount:

Amount:

Management

\$6,543.30

**Component Description:** 

Project

Management

\$64.95

**Component Description:** 

Project

Management

\$741.05

Component Description: FOR SERVICES

RENDERED

**Amount:** \$75.00

**Component Description:** Preparation of Q4

2018 387 Update

**Amount:** \$150.00

Component Description: Project

Management

**Amount:** \$6,598.45

Component Description: FOR SERVICES

RENDERED \$195.00

Component Description: Proj

Amount:

Amount:

Project

Management \$2,955.95

Component Description: Project

roject

Amount: Management \$7,191.40

Component Description: FOR SERVICES

RENDERED

**Amount:** \$75.00

Component Description: Project

Management

**Amount:** \$2,231.45

Component Description: Project

Management

**Amount:** \$8,689.95

**Component Description:** 

Project

Amount:

Management \$8,401.20

**Component Description:** 

Project

Amount:

Management

\$8,844.55

**Component Description:** 

387 - Five Days After Move to Post-

Repack Channel

**Amount:** \$75.00

**Component Description:** 

**Project** 

Management

\$5,259.15

Amount:

Information not provided.

FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase

Site Survey

Information not provided.

ASR modification (prepare FCC Form 854)

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

Information not provided.

Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application Information not provided.

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Information not provided.	
Prepare request for Special Temporary Authorization	Component Description:  Amount:	KSHB-TV-530-RF Eng - Special Temporary Authorization \$825.00
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	Information not provided.	
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, Construction Permit Application	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description: Amount:	Permitting Analysis Review \$250.00

Perform engineering study for new channel assignment **Component Description:** Preparation of and antenna development Justification for Auxiliary Transmitter \$450.00 Amount: **Component Description:** Pre-filter tpo Calculations for **KSHB** Amount: \$75.00 **Component Description:** FCC Repack Amount: \$1,980.00 Prepare and or review Information not provided. reimbursement form

# **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 Co
Other Expenses	\$220,690.54	\$220,125.54		\$18,350.53	
Employee Time	\$124,916.00	\$124,916.00	N/A	\$0.00	N/A
MVPD Notification of Channel Change	\$3,316.5 <i>4</i>	\$3,316.54	per KSHB DTVNotification PO 3003044956, Estimate EST- 001039	\$3,316.54	N/A
Develop and air announcement of upcoming channel change	\$5,000.00	\$5,000.00	N/A	\$0.00	N/A
Equipment Storage	\$20,000.00	\$20,000.00	N/A	\$5,822.20	N/A
Equipment Delivery and Handling Charges	\$27,978.00	\$27,978.00	Cost of shipping KSHB main top-mount antenna and transmission line, half the cost of shipping the shared (with KMCI) auxiliary antenna and the half the cost of the lift rentals for handling the antennas and line.	\$3,080.39	N/A

Disposal Costs (for equipment and other waste, net of any salvage value)	\$25,000.00	\$25,000.00	N/A	\$0.00	N/A
Non-zoning permits	\$2,400.00	\$2,400.00	see Estimated Cost Justification KSHB-TV-610- Non-Zoning Permits v0	\$2,150.00	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	\$0.00	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	\$0.00	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	\$3,981.40	N/A
Sub-total	\$220,690.54	\$220,125.54	N/A	\$18,350.53	N/A
Total for all systems	\$4,618,467.29	\$4,373,276.59	N/A	\$1,710,351.04	N/A

Actual Information Description	File Name	
Employee Time	Information not provided.	
MVPD Notification of Channel Change	Component Description:	MVPD Notification Services
	Amount:	\$3,316.54

Develop and air announcement of upcoming channel change	Information not provided.	
Equipment Storage	Component Description: Amount:	40' Double Door Container \$5,822.20
Equipment Delivery and Handling Charges	Component Description: Amount:	Freight, Shipping and Handling \$3,080.39
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.	
Non-zoning permits	Component Description: Amount:	AFF prepared and submitted Permitting \$2,150.00
FCC Filing Fees - Special Temporary Authorization request	Information not provided.	
FCC Filing Fees - Form 2100 license to cover application	Information not provided.	
DTV Medical Facility Notification	Component Description: Amount:	DTV Notification Service \$3,981.40

# Cost Information

#### **Grand Total**

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$4,618,467.29	\$4,373,276.59	\$1,710,351.04

Reimbursem	envestiatus	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

Section Question Response

### Submission of Estimated Expenses Statements

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.

- 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.
- 2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.
- 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.

- 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 abovenamed applicant for the Authorization(s) specified above. Sravan V.
Reddy ,
Reddy .
Senior
Director,
General
Accounting

10/19/2020

Section Question Response

# Submission of Actual Cost Documentation Statements

WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISIONMENT (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).

- 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.
- The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.
- The above-named entity acknowledges that all certifications and attached documentation are considered material representations.

- 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.

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

I declare, under penalty of perjury, that I am an authorized representative of the abovenamed applicant for the Authorization(s) specified above. Sravan V.
Reddy ,
Reddy .
Senior
Director,
General
Accounting

10/19/2020

#### **Attachments**