

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility 35584 Service: DTV Call KSAX Channel: 24 (UHF)

ID:

Sign:

File **0000025416**

Number:

FRN: **0002629566** Date

09/30

Submitted: /2020

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
KSAX-TV, INC. Doing Business As: KSAX-TV, INC.	Ryan Vandewiele 3415 UNIVERSITY AVE., WEST ST. PAUL, MN 55114 United States	+1 (651) 642-4334	RVandewiele@hbi. com	Corporation

Reimbursement Contact Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Information

Preparer Contact Name and Information

Charles R. Charles Naftalin +1 (202) 955- Naftalin Holland & Knight, 800 17th 3000 LEGAL COUNSEL Street, NW HOLLAND & Suite 1100 KNIGHT LLP Washington, DC 20006 United States	charles. naftalin@hklaw.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.	No
Briefly describe transition plan	The station will replace its owned antenna on its existing tower with a new antenna on a top-mounted omni-directional pylon on a supporting pole. The station also expects to require an interim antenna to avoid notable service disruptions. See Exhibit 1.

Transmitters

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

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	DHD-15P1
	Year	2002
	Туре	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	15 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?	No
	Manufacturer	
	Model	THU9evo-4
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	6.5 kW
	Justification for New Transmitter	Current primary solid state transmitter has been classified by manufacturer as unable to be re-tuned to new UHF channel. Price includes new exciters and mask filter.

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	Electrical service related to a transformer of a size not specified above.
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

Primary Transmittor

Other Transmitter Cost Not Listed

Transmitter Information not provided.

Antennas

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

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?	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	Class	Full Power
Manufacturer and Type	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	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)	80.0 kW

Manufacturer	
Model	TFU-25J
Year	1985

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	Class	Full Power
Manufacturer and Types	Mounting	Top Mount
	Antenna position in stack	Тор
	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)	55.3 kW
	Manufacturer	

Model	ATW22H3- ETO-24L
Year	2017
Justification for New Antenna	Existing antenna is unable to be re-tuned to new repacked channel. See Exhibit 1.

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	4 1/16 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	Yes
	transmission line and antenna?	

Other Antenna Cost Not Listed

Information not provided.

Interim Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	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 Type	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	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)	80.0 kW
	Manufacturer	
	Model	ALP32L3- HSO-42
	Year	2017

Justification for New Antenna	Interim
	antenna is
	necessary
	to avoid
	loss of
	broadcast
	service
	during
	transition to
	new
	(repacked)
	channel.
	See Exhibit
	1.

Interim Antenna

Other Antenna Costs

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

Interim Antenna

Other Antenna Cost Not Listed

Information not provided.

Transmission ^{Seffien}	Question	Response
Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

Primary Transmission Line

Existing Transmission Line

on Line 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?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	
	Туре	Waveguide
	Diameter	N/A
	Other Diameter	N/A
	Segment Length	N/A
	Other Segment Length	11.95 feet
	Number of parallel runs	1
	Length	1250 feet per run

Primary Transmissio

New Transmission Line

on 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	4 1/16 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1200 feet per run
	Justification for New Transmission Line	Current transmission line could not be used due to frequency change. See Exhibit 1.

Primary Other Transmission Line Expenses Not Listed Transmission Loine tion not provided.

New Transmission Line Interim

Transmission	n Line Section	Question	Response
	New Transmission Line	Use	Interim
	Costs	Description of Use	N/A
		Change Type	Purchase New
		Туре	Rigid
		Diameter	6 1/8 inches
		Segment Length	20'
		Other Segment Length	
		Number of parallel runs	1
		Length	1100 feet per run
		Justification for New Transmission Line	Additional transmission line needed for interim facility to facilitate smooth transition to new channel. See Exhibit 1.

Other Transmission Line Expenses Not Listed Interim

Transmission loine 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?	No
	One or more FM, AM or TV radio broadcaster(s)	N/A
	Others Types of Users	N/A
	Is tower documented for structural analysis?	No
	Is tower compliant with Rev G?	Unknown
Existing Tower Structure	Do you have a tower registration number?	Yes
Registration	ASR Number	1025694
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	45° 41' 59.0" N-
	Longitude (NAD83)	095° 10' 36.0" W-
	Overall Structure Height	1191.91 fee
	Support Structure Height	1139.75 fee
	Ground Elevation Above Mean Sea Level (AMSL)	1356.94 fee

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	KSAX-TV, INC.
Date Constructed	09/01/1987

Primary Tower

Tower Modification Costs

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

Primary Tower

Tower Rigging Costs

Section	Question	Response
Tower Rigging Costs	Complex Tower	N/A
Helicopter Services Required	Are helicopter services required?	Yes

Primary Tower

Other Tower Expenses Not Listed

Information not provided.

Outside Professional

Section	Question	Response
Services Costs Outside Project Management Services	Do you require outside project management services?	No
	Number of Hours	N/A
	Explanation	N/A
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	No
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
Attorney and Other Outside Consulting	Prepare and file Form FCC Construction Permit Application	Yes
Services	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes

	Prepare request for Special Temporary Authority	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	No
RF Field Engineering Services	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

Other Professional Services Expenses Not Listed

Services Costs	Description
Coverage Verification, Interim Antenna	Coverage verification (field study) for interim antenna operations. See Exhibit 1.
Internal Staff Work	See Exhibit 1.
RF exposure measurements, interim antenna	RF exposure measurements for interim antenna operations. See Exhibit 1.
Outside Legal Analysis and Advice	Analysis and guidance provided by outside legal counsel with respect to repacking deadlines and other FCC requirements. See Exhibit 2 (Jan 2018).

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	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
Transmitter control	Remote control needed to comply with FCC requirements for main studio control of transmitters.
Sales Tax	Minnesota state and local taxes

Cost Information

Transmitters

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

Description Primary Transmitter	Predetermined Cost Estimate \$286,170.00	Estimated Cost \$286,170.00	Estimated Cost Justification	Actual Cost \$278,504.95	Actual Cost Justification
Other Electrical Service: Electrical service related to a transformer of a size not specified above.	\$12,670.00	\$12,670.00	N/A	\$12,670.00	N/A
UHF - Liquid Cooled Solid State Transmitter 4.9 . 6.5 kW	\$273,500.00	\$273,500.00	N/A	\$265,834.95	N/A
Sub-total Total for all systems	\$286,170.00 \$1,948,897.51	\$286,170.00 \$1,912,960.39	N/A N/A	\$278,504.95 \$1,305,575.32	N/A N/A

Components

Actual Information		
Description	File Name	

Other Electrical Service: Electrical service related to Work performed **Component Description:** a transformer of a size not on the station's specified above. primary transmitter. Amount: \$2,670.00 **Component Description:** Work performed on the station's primary transmitter. **Amount:** \$10,000.00 UHF - Liquid Cooled Solid State Transmitter 4.9 . 6.5 **Component Description:** Materials for kW transmission line components that will connect the new channel 24 transmitter to the new channel 24 antenna. Amount: \$2,158.88

Component Description: Materials are for

transmission line components that will connect the new channel 24 transmitter to the new channel 24

antenna.

Amount: \$5,532.11

Component Description: Work performed

on primary transmitter.

Amount: \$145,711.10

Component Description: Work performed

on primary transmitter.

Amount: \$24,285.19

Component Description: One cable

attenuator for connnecting nonlinear sample to transmitter; one

cable for

monitoring forward RF power; and one cable for monitoring reflected power.

Amount: \$480.63

Component Description: One of multiple

invoices under PO #106640 for the

KSAX new

primary channel 24 transmitter.

Amount: \$14,811.49

Component Description: Work performed

on the primary

transmitter.

Amount: \$72,855.55

Cost Information

Antennas

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

Description Interim Antenna ALP32L3- HSO-42	Predetermined Cost Estimate \$124,540.00	Estimated Cost \$95,926.70	Estimated Cost Justification	Actual Cost \$70,792.93	Actual Cost Justification
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$2,500.00	N/A	N/A	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$14,977.00	N/A	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$10,204.38	Please see attached letter dated April 29, 2019.	\$10,204.38	Please see letter attached to Electronics Research, Inc., - Inv 52367 dated November 30, 2018.

UHF - Lower Power Side Mount, One station antenna - medium power (50- 200 kW), horizontally polarized	\$89,400.00	\$68,245.32	N/A	\$60,588.55	N/A
Primary Antenna ATW22H3- ETO-24L	\$305,800.00	\$253,723.18		\$214,870.00	
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$6,250.00	N/A
UHF - High Power Top Mount (200-1000 kW), One station antenna, elliptically or circularly polarized	\$289,500.00	\$242,323.18	N/A	\$208,620.00	N/A
Elbow complex, single channel, at antenna input, per 4 1/16. feedline (if needed)	\$9,570.00	\$5,000.00	N/A	N/A	N/A
Sub-total	\$430,340.00	\$349,649.88	N/A	\$285,662.93	N/A
Total for all systems	\$1,948,897.51	\$1,912,960.39	N/A	\$1,305,575.32	N/A

Components

Actual Information Description	File Name	
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.	
Side mount brackets for high power antennas (if not included in antenna base cost)	Information not provided.	
Sweep test of existing antenna	Component Description:	Portion of invoice regarding system
	Amount:	sweep of the interim antenna. \$3,125.00
	Component Description:	Portion of work regarding the system sweep of the interim antenna.
	Amount:	\$3,125.00
	Component Description:	Portion of invoice regarding sweep test of the interim
	Amount:	antenna. \$3,954.38

UHF - Lower Power Side Mount, One station antenna Portion of invoice **Component Description:** - medium power (50-200 for work kW), horizontally polarized performed on interim antenna. Amount: \$22,987.50 **Component Description:** Portion of invoice for work performed on interim antenna. Amount: \$37,601.05 **Component Description:** Please disregard. Amount: N/A Sweep test of existing antenna **Component Description:** Portion of invoice for work performed on sweet test of primary antenna. Amount: \$3,750.00 **Component Description:** Work performed on sweep test. Amount: \$625.00 **Component Description:** Portion of invoice regarding sweep test of the primary antenna. Amount: \$1,875.00

UHF - High Power Top Mount (200-1000 kW), One station antenna, elliptically or circularly polarized

Component Description: Portion of invoice

for work
performed on
primary antenna.
Please see
attached cover

letter.

Amount: \$90,372.00

Component Description: Portion of invoice

for work

performed on the primary antenna.

Amount: \$45,186.00

Component Description: Remove existing

primary 42 top mount antenna and install new Ch. 24 top mount antenna and transmission line.

Amount: \$45,000.00

Component Description: Work performed

on the primary antenna.

Amount: \$15,062.00

Component Description: Installation of 50'

ERI top mounted TV antenna.

Amount: \$13,000.00

Component Description:

Amount:

Please disregard

N/A

N/A

Component Description: Please disregard

Amount:

Elbow complex, single channel, at antenna input, per 4 1/16. feedline (if needed)

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 Interim Transmission Line	Predetermined Cost Estimate \$222,200.00	Estimated Cost \$177,998.00	Estimated Cost Justification	Actual Cost \$175,056.10	Actual Cost Justification
Rigid Transmission Line - copper, 6 1/8"	\$222,200.00	\$177,998.00	N/A	\$175,056.10	N/A
Primary Transmission Line	\$170,400.00	\$124,185.00		\$124,184.18	
Rigid Transmission Line - copper, 4 1 /16"	\$170,400.00	\$124,185.00	Please see attached quote for the updated cost information, which remains far less than the default cost for this line item.	\$124,184.18	N/A
Sub-total	\$392,600.00	\$302,183.00	N/A	\$299,240.28	N/A
Total for all systems	\$1,948,897.51	\$1,912,960.39	N/A	\$1,305,575.32	N/A

Components

Actual Information		
Description	File Name	

Component Description:	Credit Invoice
Amount:	(\$4,315.36)
Component Description:	Portion of invoice
	for work
	performed on
	interim
	transmission line.
Amount:	\$87,528.05
Component Description:	Portion of invoice for work
	performed on
	interim
	transmission line.
Amount:	\$87,528.05
	. ,
Component Description:	Credit Invoice
Amount:	(\$1,074.81)
Component Description:	Flanged elbows
	for primary
	transmission line.
Amount:	\$1,303.56
Component Description:	Portion of invoice
Component Description:	for work
Component Description:	for work performed on
Component Description:	for work performed on primary
	for work performed on primary transmission line.
Component Description: Amount:	for work performed on primary
	for work performed on primary transmission line.
	for work performed on primary transmission line.
	Amount: Component Description: Component Description: Amount: Component Description: Amount: Component Description:

Component Description: Hardware and

tools needed for

installing

transmission line

on KSAX transmitter.

Amount: \$45.76

Component Description: Work performed

on the primary transmission line.

Amount: \$11,872.54

Component Description: Equipment for the

station's primary transmission line.

Amount: \$2,181.74

Component Description: Cost of additional

parts for the station's primary transmission line.

Amount: \$3,002.53

Component Description: Portion of invoice

for work

performed on primary

transmission line.

Amount: \$71,235.24

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 Primary Tower TOWER	Predetermined Cost Estimate \$481,800.00	Estimated Cost \$462,000.00	Estimated Cost Justification	Actual Cost \$201,963.55	Actual Cost Justification
Minor tower reinforcement /modifications	\$158,000.00	\$150,000.00	N/A	\$120,963.55	N/A
Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$25,000.00	N/A	\$7,000.00	N/A
Tower Helicopter Lift	\$87,000.00	\$87,000.00	N/A	\$74,000.00	N/A
Tall Tower (greater than 500')	\$210,500.00	\$200,000.00	N/A	N/A	N/A
Sub-total	\$481,800.00	\$462,000.00	N/A	\$201,963.55	N/A
Total for all systems	\$1,948,897.51	\$1,912,960.39	N/A	\$1,305,575.32	N/A

Components

Actual Information Description	File Name
Minor tower reinforcement /modifications	

Component Description: Design structural

modifications as required by

structural analysis

results and prepare modification working drawings and technical

specification notes.

Amount: \$7,000.00

Component Description: Work performed

regarding the installation of the interim antenna, including labor, subsistence, job materials and tax.

Amount: \$62,052.72

Component Description: Modification

materials per

Malouf

Engineering

(includes tax).

Amount: \$6,790.83

Component Description: Perform structural

analysis and engineering report.

Amount: \$6,000.00

Component Description: Perform top

section, plate structural analysis and structural reanalysis of site for new scenario.

Amount: \$5,500.00

	Component Description: Amount:	Costs to remove side mounted interim TV antenna, 6" rigid coax line, hangers, and all associated hardware from KSAX tower. \$23,000.00
	Component Description: Amount:	Items for tower modification to allow structure to support the primary and interim antennas. \$33,620.00
Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study	Component Description: Amount:	Tower mapping \$7,000.00
Tower Helicopter Lift	Component Description: Amount:	Helicopter rental for placement of 50' antenna. The helicopter lift was determined to be necessary to meet the FCC repacking deadline. See attached letter and quotes. \$74,000.00
Tall Tower (greater than 500')	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 C
Outside Professional Services	\$270,071.50	\$425,386.50		\$191,711.62	
Outside Legal Analysis and Advice	\$16,067.50	\$16,067.50	These costs were incurred in obtaining advice from outside counsel regarding the FCC requirements other than the Form 2100 or reimbursement, including periodic progress reports, repacking deadlines and other FCC requirements. See Exhibit 2.	\$15,725.50	See Ext
Coverage Verification, Interim Antenna	\$80,000.00	\$80,000.00	See Exhibit 1.	N/A	N/#
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

N/.	\$5,628.50	See quote attached to invoices.	\$8,500.00	\$3,680.00	Attorney Fees - Prepare and File request for Special Temporary Authorization
N/	\$2,601.00	Please see quote attached to invoices.	\$3,600.00	\$2,365.00	Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application
See Exh Neces chang include revision initial repact facility at as follo regard applicate FCC sy among matter	\$7,173.25	See Exhibit 2. Unexpected additional costs resulted from necessary changes in repacked facility and post- filing follow-up with the FCC to address issues in online database.	\$7,173.25	\$5,260.00	Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application
N/A	N/A	N/A	\$1,500.00	\$2,050.00	Prepare request for Special Temporary Authorization
N/A	\$750.00	N/A	\$1,500.00	\$1,580.00	Prepare engineering section of FCC Form 2100 (main), License to Cover Application

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$500.00	N//
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$1,750.00	N/
Prepare and or review reimbursement form	\$2,630.00	\$156,371.75	See Exhibit 2 (January 2018) and quote attached to invoices.	\$152,858.75	See Exh Costs in signific revisio reimburs form de change repac facility de and respond FCC red (and cha conta informa
RF exposure measurements, interim antenna	\$20,000.00	\$20,000.00	See Exhibit 1.	N/A	N//

Internal Staff Work	\$20,674.00	\$20,674.00	See Exhibit 1.	\$4,724.62	Althou
					greater
					appro estima
					additic
					explanat
					provide
					Exhibit 2
					2a. Exhi
					links tr
					expense
					the cor
					Internal
					Invoi
					(3558
Sub-total	\$270,071.50	\$425,386.50	N/A	\$191,711.62	N/A
Total for all systems	\$1,948,897.51	\$1,912,960.39	N/A	\$1,305,575.32	N/A

Components

Actual Information Description	File Name	
Outside Legal Analysis and Advice	Component Description:	Portion of invoice relevant to FCC transition
	Amount:	requirement. \$1,026.00
	Component Description: Amount:	Portion of invoice relevant to FCC transition requirement. \$1,539.00
	Component Description:	Portion of invoice relevant to FCC
	Amount:	transition requirement. \$835.50

relevant to FCC

transition requirement.

Amount: \$79.50

Component Description: Portion of invoice

relevant to FCC

transition requirement.

Amount: \$265.50

Component Description: Portion of invoice

relevant to FCC

transition requirement.

Amount: \$1,840.00

Component Description: Portion of invoice

relevant to FCC

transition requirement.

Amount: \$1,111.50

Component Description: Portion of invoice

relevant to FCC

transition requirement.

Amount: \$715.50

Component Description: Fee for attorney

work regarding FCC repacking requirements,

including transition progress reports

Amount: \$118.00

relevant to FCC

transition requirement.

Amount: \$2,067.00

Component Description: Portion of invoice

relevant to FCC

transition requirement.

Amount: \$3,796.50

Component Description: Portion of invoice

relevant to FCC

transition requirement.

Amount: \$1,009.00

Component Description: Portion of invoice

relevant to FCC

transition requirement.

Amount: \$366.00

Component Description: Portion of invoice

relevant to FCC

transition requirement.

Amount: \$459.50

Component Description: Portion of invoice

relevant to FCC

transition requirement.

Amount: \$342.00

Component Description: Please disregard.

Amount: N/A

	Component Description: Amount:	Portion of invoice relevant to FCC transition requirement. \$155.00
Coverage Verification, Interim Antenna	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	Component Description: Amount:	Portion of invoice relevant to preparation of STA application. \$1,896.50
	Component Description: Amount:	Portion of invoice relevant to STA application. \$1,669.00
	Component Description: Amount:	Portion of invoice relevant to preparation of STA application. \$556.50
	Component Description: Amount:	Portion of invoice relevant to STA application. \$1,506.50
	Amount.	ψ1,500.50

Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application

Component Description: Portion of invoice

relevant to preparation of license to cover application.

Amount: \$2,601.00

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application

Component Description: Portion of invoice

relevant to

construction permit

work.

Amount: \$1,356.25

Component Description: Portion of invoice

(as appropriately allocated and marked on invoice)

relevant to

construction permit

work.

Amount: \$513.50

Component Description: Portion of invoice

(including allocations as marked on invoice)

relevant to

construction permit

work.

Amount: \$4,639.50

Component Description: Portion of invoice

(as appropriately allocated on

invoice) relevant to construction permit

work.

Amount: \$447.00

Component Description: Portion of invoice

relevant to preparation of construction permit

application.

Amount: \$217.00

Prepare request for Special Temporary Authorization

Information not provided.

Prepare engineering section of FCC Form 2100 **Component Description:** Preparation of (main), License to Cover technical portion of Application application for license to cover construction permit for re-pack channel 24. \$750.00 **Amount:** Prepare engineering section of FCC Form 2100 **Component Description:** Portion allocable to (main), Construction Permit relevant line item. Application The selected attachment has requested detail. Please ignore other versions of Invoice 240733. **Amount:** \$500.00

Perform engineering study for new channel assignment and antenna development

Component Description: Engineering

consultation for KSAX-TV FCC repack channel assignment.

Amount: \$4,568.24

Component Description: Portion allocable to

relevant line item.
The selected
attachment also
has requested
detail. Please
ignore other

versions of Invoice

240733.

Amount: \$1,000.00

Component Description: Work performed

regarding STA request for interim

antenna.

Amount: \$750.00

Prepare and or review reimbursement form

Component Description: Invoice relevant to

preparation of reimbursement

form.

Amount: \$12,607.00

Component Description: Invoice relevant to

preparation of reimbursement

form.

Amount: \$4,025.00

Component Description: Invoice relevant to

preparation of reimbursement

form.

Amount: \$5,158.00

Component Description: Invoice relevant to

preparation of reimbursement

form.

Amount: \$10,823.00

Component Description: Portion of invoice

relevant to preparation of reimbursement

form.

Amount: \$7,085.50

Component Description: Portion of invoice

relevant to preparation of reimbursement

form.

Amount: \$4,101.50

Component Description: Portion of invoice

relevant to review and preparation of reimbursement

form.

Amount: \$1,716.00

Component Description: Portion of invoice

relevant to preparation of reimbursement

form.

Amount: \$1,903.50

relevant to preparation of reimbursement

form.

Amount: \$4,657.00

Component Description: Portion of invoice

relevant to preparation of reimbursement

form.

Amount: \$1,990.50

Component Description: Portion of invoice

relevant to preparation of reimbursement

form.

Amount: \$3,115.50

Component Description: Portion of invoice

relevant to review and preparation of reimbursement

form.

Amount: \$5,370.00

Component Description: Portion of invoice

relevant to review and preparation of reimbursement

form.

Amount: \$6,523.00

Component Description: Portion of invoice

relevant to preparation of reimbursement

form.

Amount: \$7,349.50

Component Description: Portion of form

relevant to the review and preparation of reimbursement

form.

Amount: \$3,542.00

Component Description: Portion of invoice

relevant to preparation of reimbursement

form.

Amount: \$562.00

Component Description: Portion of invoice

relevant to preparation of reimbursement

form.

Amount: \$2,358.50

Component Description: Portion of invoice

relevant to preparation of reimbursement

form.

Amount: \$79.50

Component Description: Portion of invoice

relevant to preparation of reimbursement

form.

Amount: \$981.00

relevant to review and preparation of reimbursement

form.

Amount: \$8,196.50

Component Description: Portion of invoice

relevant to preparation for reimbursement

form.

Amount: \$159.00

Component Description: Portion of invoice

relevant to preparation of reimbursement

request

Amount: \$7,757.50

Component Description: Portion of invoice

relevant to preparation of reimbursement

form.

Amount: \$2,553.50

Component Description: Portion of invoice

relevant to preparation of reimbursement

form.

Amount: \$378.00

Component Description: Portion of invoice

relevant to review and preparation of reimbursement

form.

Amount: \$658.50

relevant to preparation of reimbursement

form.

Amount: \$8,960.50

Component Description: Portion of invoice

relevant to preparation of reimbursement

form.

Amount: \$8,234.50

Component Description: Portion of invoice

relevant to preparation of reimbursement

form.

Amount: \$354.00

Component Description: Portion of invoice

relevant to preparation of reimbursement

form.

Amount: \$3,434.50

Component Description: Portion of invoice

relevant to preparation of reimbursement

form.

Amount: \$1,198.00

Component Description: Portion of invoice

relevant to reimbursement

form.

Amount: \$1,991.00

relevant to review and preparation of reimbursement

form.

Amount: \$5,141.00

Component Description: Portion of invoice

relevant to review and preparation of reimbursement

form.

Amount: \$13,829.00

Component Description: Portion of invoice

relevant to

preparation and

review of

reimbursement forms, including responding to further FCC requests.

Amount: \$252.50

Component Description: Portion of invoice

relevant to preparation of reimbursement

form.

Amount: \$1,230.50

Component Description: Portion of invoice

relevant to preparation of reimbursement

forms

Amount: \$244.25

	Component Description: Amount:	Portion of invoice relevant to review and preparation of reimbursement information, including responses to FCC requests. \$4,338.00
RF exposure measurements, interim antenna	Information not provided.	
Internal Staff Work		
	Component Description: Amount:	Including pay stubs from an entity that is commonly owned with the licensee KSAX-TV, Inc. \$1,098.12
	Component Description: Amount:	Expenses related to repack project. \$343.25
	Component Description:	Ed Smith travel expenses (July 2018)
	Amount:	\$353.82
	Component Description:	Cannot delete cost component section. Please disregard.
	Amount:	N/A

Component Description: Including pay stubs

from an entity that is commonly owned with the licensee of KSAX-

TV, Inc.

Amount: \$923.95

Component Description: Copy and

document expenses for blueprint creation and transmission for new KSAX

facility.

Amount: \$5.00

Component Description: Including pay stubs

from an entity that is commonly owned with the licensee of KSAX-

TV, Inc.

Amount: \$1,777.57

Component Description: This material

document

summarizes costs, as reimbursed by licensee parent, for travel expenses for

trip to KSAX antenna site. Supporting

documentation for

all expenses

reimbursed is also attached. See also Exhibit 2a per staff

request.

Amount: \$222.91

Cost Information

Other Expenses

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

Description Other	Predetermined Cost Estimate \$87,916.01	Estimated Cost \$87,571.01	Estimated Cost Justification	Actual Cost \$48,491.99	Actual Cost Justification
Expenses Sales Tax	\$19,604.02	\$19,604.02	N/A	\$19,604.02	N/A
Develop and air announcement of upcoming channel change	\$4,100.00	\$4,100.00	See Exhibit 1.	N/A	N/A
Equipment Storage	\$4,205.99	\$4,205.99	N/A	\$4,530.91	Equipment storage costs were slightly higher than initially budgeted because equipment had to be stored longer than expected due to certain construction delays that were outside the control of the licensee.
Equipment Delivery and Handling Charges	\$35,200.00	\$35,200.00	See Exhibit 1.	\$18,972.06	N/A

Disposal	\$7,146.00	\$7,146.00	See Exhibit	\$900.00	N/A
Costs (for equipment and other waste, net of any salvage value)			1.		
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$400.00	Pursuant to FCC rules, the fee for filing STA applications is \$200.	\$400.00	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$335.00	N/A	\$335.00	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	\$3,750.00	N/A
MVPD Notification of Channel Change	\$1,000.00	\$1,000.00	See Exhibit 1.	N/A	N/A
Transmitter control	\$4,580.00	\$4,580.00	See Exhibit 1.	N/A	N/A
Sub-total	\$87,916.01	\$87,571.01	N/A	\$48,491.99	N/A
Total for all systems	\$1,948,897.51	\$1,912,960.39	N/A	\$1,305,575.32	N/A

Components

Actual Information		
Description	File Name	

Sales Tax		
	Component Description:	Sales tax for the
		primary antenna
		and transmission
		line.
	Amount:	\$19,514.40
	Component Description:	Sales tax
	Amount:	\$89.62
Develop and air	Information not provided.	
announcement of upcoming channel change		
Equipment Storage		
,	Component Description:	Equipment
		storage.
	Amount:	\$299.26
	Component Description:	Please see
		attached cover
		letter.
	Amount:	\$299.26
	Component Description	Please see
	Component Description:	attached cover
		letter.
	Amount:	\$270.75
		• • •
	Component Description:	Equipment
		storage.
	Amount:	\$299.26
	Component Description:	Equipment
	Component Description:	Equipment storage (August
	Component Description:	

Component Description: Equipment

storage (July

2019).

Amount: \$299.26

Component Description: Equipment

storage (October

2019)

Amount: \$299.26

Component Description: Storage

equipment

(August 2018)

Amount: \$299.26

Component Description: Storage

equipment

(September 2018)

Amount: \$299.26

Component Description: Please see

attached cover

letter.

Amount: \$369.78

Component Description: Equipment

storage

(December 2018)

Amount: \$299.26

Component Description: Equipment

storage.

Amount: \$299.26

Component Description: Storage

equipment

(October 2018)

Amount: \$299.26

Component Description: Equipment

storage.

Amount: \$299.26

Component Description: Storage

equipment

(November 2018)

Amount: \$299.26

Equipment Delivery and Handling Charges

Component Description: Portion of invoice

regarding equipment delivery and handling charges (primary antenna and transmission

line).

Amount: \$8,250.54

Component Description: Shipping cost to

site

Amount: \$55.00

Component Description: Freight

Amount: \$466.14

Component Description: Freight for primary

transmission line.

Amount: \$655.90

Component Description: Portion of invoice

regarding equipment delivery and handling charges (interim antenna and transmission

line).

Amount: \$4,208.63

regarding equipment delivery and handling charges (interim antenna and transmission

line).

Amount: \$4,208.63

Component Description:

Amount:

Please disregard

N/A

Component Description: Freight cost for

additional parts for

the station's primary

transmission line.

Amount: \$128.22

Component Description: Telehandler and

forklift rental to load and unload equipment. Mr. Malecha owns the land where the KSAX tower is

located.

Amount: \$990.00

Component Description: Freight for

transmitter equipment.

Amount: \$9.00

Disposal Costs (for equipment and other waste, net of any salvage value)

Component Description: Tele-handler and

dumpster rental (including tax)

Amount: \$900.00

FCC Filing Fees - Special Temporary Authorization request	Component Description:	STA application
	Amount:	filing fee. \$200.00
	Component Description:	STA application
		filing fee
	Amount:	\$200.00
FCC Filing Fees - Form		
2100 license to cover	Component Description:	License to cover
application		application filing
		fee.
	Amount:	\$335.00
DTV Medical Facility		
Notification	Component Description:	Medical
		notification
	Amount	mailing.
	Amount:	\$3,750.00
MVPD Notification of	Information not provided.	
Channel Change		
Transmitter control	Information not provided.	

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$1,948,897.51	\$1,912,960.39	\$1,305,575.32

Reimbursem	entestiatus	Response
	The facility has ceased operating on its pre- auction channel.	Yes
	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. Ryan Vandewiele Vice President

09/30/2020

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).

- 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. Ryan Vandewiele Vice President

09/30/2020

Attachments