

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility 81507 Service: DTV Call KPXJ Channel: 32 (UHF)

ID:

Sign:

01/30

File **0000028338**

Number:

FRN: **0020203246** Date

Submitted: /2020

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant T
KTBS, LLC Doing Business As: KTBS, LLC	PO Box 44227 SHREVEPORT, LA 71134 United States	+1 (318) 861- 5800	dcassidy@ktbs. com	Limited Liab 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
Samuel Hariton Widelity, Inc.	Sam Hariton 4031 University Drive Suite 100 Fairfax, VA 22030 United States	+1 (339) 222-8107	sam.hariton@widelity.c

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	KPXJ is planning a direct like-for-like swap of equipment. KPXJ's new equipment will incluse upgraded equipment to add VPOL capability. Narrative for details.

Transmitters

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

Auxiliary Transmitter

Add Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase N
	Use	Auxiliary (B
	Description of Use	Backup & Ir
	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	ULXTD-60
	Year	2016
	Туре	Solid State
	Solid State Cooling	Liquid Cool
	Solid State Power Capacity	34.6 kW

Auxiliary Transmitter

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Auxiliary (B
	Change Type	Purchase N
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	ULXTE-72
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cool
	Solid State Power capacity	47.2 kW
	Justification for New Transmitter	A replacem transmitter necessary t maintain KF current redundancy

Auxiliary Transmitter

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	Yes
	Power	300 kVA
	Rigid Conduit and Wiring	No
	Size	N/A
	Length	N/A
	Other Electrical Service	Yes

	Description	The new au transmitter require reconfigura the electrica service on a The electric work cost heen estimated on various didance fronting to the electric contractors.
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	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
Leasehold Improvement	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

Auxiliary Transmitter

Other Transmitter Cost Not Listed

Information not provided.

Primary Transmitter

Existing Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase N
	Use	Primary (Ma
	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	DCXP-2 Pa
	Year	2005
	Туре	Inductive O Tube
	IOT Power Type	Two
	Power Capacity	50 kW

Primary Transmitter

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Primary (Ma
	Change Type	Purchase N
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	ULXTED-12
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cool
	Solid State Power capacity	76.0 kW
	Justification for New Transmitter	The existing transmitter capable of I retuned, ho doing so we require disconnecti transmitter have it retune site. The reprocess wa quoted to tato 20 weeks during this I the transmit would be unavailable

Primary Transmitter

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	Yes
	Power	300 kVA
		ı

	Rigid Conduit and Wiring	No
	Size	N/A
	Length	N/A
	Other Electrical Service	Yes
	Description	The new matransmitter require reconfigurate the electrical service on service
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Туре	Cooling On
	Size	5 tons
	Other Size	N/A
Transmitter Building Addition/Modification or	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
Leasehold Improvement	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 Transmitter

Other Transmitter Cost Not Listed

Name Description	
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Building Reconfiguration	The existing building will need to be reconfice (walls removed/added) to allow for the new transmitter combiner configuration
Relocating Ground equipment	Relocating existing equipment for other stat make room for new transmitter
Combiner 5 ton HVAC	The Combiner will need its own dedicated C only HVAC

Antennas

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

Primary Antenna

Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Purchase N
	Antenna Use	Primary (Ma
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	Yes
Existing Antenna	Class	Full Power
Manufacturer and Type	Mounting	Side Mount
	Antenna position in stack	Not in Stacl
	Polarization	Horizontal
	Туре	Slotted Coa
	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-30DS(S20000
Year	2006

Primary Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Primary (Ma
	Description of Use	N/A
	Change Type	Purchase N
	Is this a request for upgraded equipment?	Yes
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	Yes
New Antenna	Class	Full Power
Manufacturer and Types	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Туре	Slotted Coa
	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)	1000.0 kW
	Manufacturer	
	Model	TFU-30DS0 R S200
	Year	2017

A New ante
necessary
because the
existing ant
cannot supp
the new cha
Additionally
KPXJ need
replace the
used bottor
stack anten
the top of th
tower due t
structural
limitations.

Primary Antenna

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 Chai
	Feed Line Size	6 1/8 inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power 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

Primary Other Antenna Cost Not Listed

Antenna Information not provided.

Interim Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Interim
	Description of Use	N/A
	Change Type	Purchase N
	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?	Yes
New Antenna	Class	Full Power
Manufacturer and Type	Mounting	Side Mount
	Antenna position in stack	Not in Stac
	Polarization	Horizontal
	Туре	Broadband
	Number of Stations Supported	2
	Number of Panels/Bays	24
	Lower Limit	512.00 MH
	Upper Limit	584.00 MH
	Design power capacity in use	50.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	800.0 kW
	Manufacturer	
	Model	TFU-24WB
	Year	2017

Justification for New Antenna	This broadk
	antenna wil
	KTBS's cha
	28, as well
	KPXJ's pre-
	transition cl
	21 and pos
	transition cl
	32. This wil
	drastically r
	the risk of d
	or risk of KF
	not being a
	transition
	channels or
	schedule.

Interim Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared	Do you need a Combiner for a Shared Antenna?	Yes
Antenna	Туре	New
	Number of channels supported	3
	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?	Yes
	Broadband or Single Channel?	В
	Feed Line Size	6 1/8 inches
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

Enter a list of RF channel numbers.

RF Channel Number
21
28
32

Interim Antenna

Other Antenna Cost Not Listed

Information not provided.

Transmission Line

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

Primary Transmission Line

Existing Transmission Line

Section	Question	Response
Existing Transmission Line Description	Type of change	Purchase N
	Use	Primary (Ma
	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	Rigid
	Diameter	4 1/16 inch
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1731 feet p

Primary Transmission Line

New Transmission Line

Section	Question	Response
New Transmission Line	Use	Primary (Ma
Costs	Description of Use	N/A
	Change Type	Purchase N
	Is this a request for upgraded equipment?	Yes
	Туре	Rigid
	Diameter	8 3/16 inch
	Other Diameter	N/A
	Segment Length	19 1/2 inch
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1760 feet p
	Justification for New Transmission Line	The existing is not capal supporting new channel Additionally new main antenna will installed in different loc than the eximain antenna

Other Transmission Line Expenses Not Listed

Primary
Transmission Information not provided.

Line

Interim Transmission Line

New Transmission Line

Section	Question	Response
New Transmission Line	Use	Interim
Costs	Description of Use	N/A
	Change Type	Purchase N
	Туре	Rigid
	Diameter	6 1/8 inches
	Segment Length	Broadband
	Other Segment Length	
	Number of parallel runs	1
	Length	1560 feet p
	Justification for New Transmission Line	The interim needed to connect the combiner sy on the grou with the new interim ante. The Line new support two stations of pas well as the broadband allow all charcombination operate on same line.

Other Transmission Line Expenses Not Listed

Transmission Information not provided.

Line

Interim

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 Exis
	Tower Use	Primary (M
	Description of Use	N/A
	Ownership	Owned
	Is this tower consider Complex?	Terrain Constrained
	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?	No
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1020877
Coordinates (NAD83 (Latitude (NAD83)	32° 41′ 08.5
North American Datum of 1983))	Longitude (NAD83)	093° 56' 00
	Overall Structure Height	1825.77 fee
	Support Structure Height	1822.48 fee
	Ground Elevation Above Mean Sea Level (AMSL)	249.01 feet
	Structure Type	GTOWER - Guyed Stru Used for Communica Purposes

Tower Owner	KTBS, LLC
Date Constructed	06/25/2013

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
35652	KTBS-TV	DTV
1304	KRMD-FM	FM

Primary Tower

Tower Modification Costs

Section	Question	Response
Engineering Study	Please what type of engineering study is required, if any:	Study need documente
Tower Reinforcements	Please select whether tower reinforcements are needed:	Serious Reinforcem needed

Primary Tower

Tower Rigging Costs

Section	Question	Response
Tower Rigging Costs	Complex Tower	Terrain constrained
Helicopter Services Required	Are helicopter services required?	No

Primary Tower

Other Tower Expenses Not Listed

Name	Description
Field Verifications	Field Verification for Actual mechanicals for existing antennas prior to antenna ordering.

Outside Professional Services Costs

Section	Question	Response
Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	2562
	Explanation	See attache Narrative
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	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	2
	NEPA Section 106 environmental review	Yes
	Environmental Assessment	Yes
	ASR Modification	No
	FAA Consultation (including preparation of FAA Form 7460)	No
	Negotiation of Lease and other Matter for Shared Locations	No
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	Yes
RF Field Engineering Services	Comprehensive coverage verification via field study	Yes
	RF exposure measurements	Yes
	Additional Field Engineering Service	Yes
	Number of Days	20
	Justification	Field invest of tower site building sta be needed order to des and scope

Outside Professional Services Costs

Other Professional Services Expenses Not Listed

Name	Description
Attorney - Other Matters	Legal Services

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	Yes
	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

Information not provided.

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	Actua Justif
Primary Transmitter ULXTED-120	\$1,845,317.64	\$1,842,517.64		\$891,556.12	
Transformer 3 phase/480v - 300 KVA	\$36,800.00	\$35,000.00	N/A	N/A	ľ
UHF - Liquid Cooled Solid State Transmitter 76.0 kW	\$1,657,934.31	\$1,657,934.31	Please see attached cover letter and proposal (2015865A) from Technical Services Group, Inc.	\$832,897.27	1
Other Electrical Service: The new main transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors.	\$75,000.00	\$75,000.00	N/A	\$58,658.85	1
5 Ton system	\$20,250.00	\$19,250.00	N/A	N/A	1
Building Reconfiguration	\$20,000.00	\$20,000.00	N/A	\$0.00	1
Relocating Ground equipment	\$20,000.00	\$20,000.00	N/A	N/A	1

Combiner 5 ton HVAC	\$15,333.33	\$15,333.33	See attached TSG Quote "Sec 1 Main TX" line 63	N/A	1
Auxiliary Transmitter ULXTE- 72	\$1,584,800.00	\$1,769,583.04		\$0.00	
Transformer 3 phase/480v - 300 KVA	\$36,800.00	\$35,000.00	N/A	N/A	١
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$1,659,583.04	See attached TSG Quote "Sec 2 Aux TX"	\$0.00	1
Other Electrical Service: The new auxiliary transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors.	\$75,000.00	\$75,000.00	N/A	\$0.00	1
Sub-total	\$3,430,117.64	\$3,612,100.68	N/A	\$891,556.12	1
Total for all systems	\$7,985,728.41	\$8,261,932.52	N/A	\$4,176,635.12	1

Components

Actual Information Description	File Name
Transformer 3 phase/480v - 300 KVA	Information not provided.

UHF - Liquid Cooled Solid State Transmitter 76.0 kW	Component Description:	50% prepayment deposit on new
	Amount:	transmitter \$828,967.15
	Component Description:	KPXJ-110-Primary Transmitter - UHF liquid cooled 68.5-7 kW
	Amount:	\$3,930.12
Other Electrical Service: The new main transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on	Component Description:	Remove power and wiring from existing transmitter and reconnect power to
verbal guidance from local electrical contractors.	Amount:	equipment \$6,162.47
	Component Description:	Install wiring for nevelectrical service for KPXJ transmitter
	Amount:	\$11,173.38
	Component Description:	Material- KPXJ Transmitter Equipm
	Amount:	\$13,074.00
	Component Description:	Material-New KPXJ Service
	Amount:	\$8,124.00
	Component Description:	Install wiring for new KPXJ Transmitter
	Amount:	Equipment \$20,125.00
5 Ton system	Information not provided.	

Building Reconfiguration	Information not provided.
Relocating Ground equipment	Information not provided.
Combiner 5 ton HVAC	Information not provided.
Transformer 3 phase/480v - 300 KVA	Information not provided.
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	Information not provided.
Other Electrical Service: The new auxiliary transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors.	Information not provided.

Cost Information

Antennas

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actua Justif
Interim Antenna TFU-24WB C160	\$401,869.30	\$584,058.60		\$268,829.29	
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,000.00	N/A	N/A	1
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$22,000.00	N/A	\$0.00	١
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	\$13,700.00	\$13,000.00	N/A	N/A	1
New combiner, cost per channel (without antenna)	\$84,200.00	\$268,829.30	Based on Quote.	N/A	1
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	١
UHF - High Power, Side Mount, basic slot antenna, 24 bay,, 800 kW input, horizontally polarized	\$268,829.30	\$268,829.30	see Justifying Quote KPXJ- 280-Interim Antenna - High Power Side Mount TSG proposal for Job 2015865A	\$268,829.29	١

Primary Antenna TFU-30DSC/VP-R S200	\$591,494.22	\$446,558.78		\$312,691.22	
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$31,969.11	see Estimated Cost Justification KPXJ-210- Primary Antenna - Side Mount Brackets - Custom Mount Brackets v0	\$31,906.19	1
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	1
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$11,700.00	N/A	N/A	ľ
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,000.00	N/A	N/A	1
UHF - High Power, Side Mount, basic slot antenna, 1000 kW input, directional,, elliptically or circularly polarized	\$254,554.22	\$254,554.22	Per Dielectric quote 513326JKT Rev 5. Vpol adder is not included here. Previous superseded component has \$136,935.45 forwarded for payment.	\$143,849.58	1

UHF - High Power	\$289,500.00	\$136,935.45	***System	\$136,935.45	1
Top Mount (200-			Notice:		
1000 kW), One			Estimate		
station antenna,			adjusted		
elliptically or			and locked		
circularly polarized			because		
			line has		
			been		
			superseded.		

Sub-total	\$993,363.52	\$1,030,617.38	N/A	\$581,520.51	1
Total for all systems	\$7,985,728.41	\$8,261,932.52	N/A	\$4,176,635.12	1

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.
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	Information not provided.
New combiner, cost per channel (without antenna)	Information not provided.
Sweep test of existing antenna	Information not provided.

UHF - High Power, Side Mount, basic slot antenna, 24 bay,, 800	Component Description:	Pre-shipment depos
kW input, horizontally polarized	Component Description.	KPXJ Interim Anten
	Amount:	\$67,207.32
	Component Description:	Dielectric 11000000
	Component Description.	UHF - Broadband S Mount AUX / Interin
		TFU-24WB C160 C 51.
	Amount:	\$67,207.32
	Component Description:	Interim Antenna
	Amount:	Purchase \$134,414.65
		Ψ10 I, I I II II I
Side mount brackets for high power antennas (if not included in	Component Description:	KPXJ-210-Primary
antenna base cost)		Antenna - Side Mou Brackets - Custom Mount Brackets to
	Amount:	existing \$20,300.00
	Component Description:	KPXJ-210-Primary
		Antenna - Side Mou Brackets - Custom Mount Brackets to
	Amount:	existing \$6,766.66
		+ 5,. 55.00
	Component Description:	KPXJ-210-Primary
		Antenna - Side Mou Brackets - Custom Mount Brackets
	Amount:	\$4,839.53

Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	Information not provided.	
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.	
UHF - High Power, Side Mount, basic slot antenna, 1000 kW input, directional,, elliptically or circularly polarized	Component Description: Amount:	Main Antenna puro \$48,167.71
	Component Description: Amount:	UHF - High Power Mount TV Antenna \$61,701.06
	Component Description: Amount:	KPXJ Additional Materials \$33,980.81
UHF - High Power Top Mount (200- 1000 kW), One station antenna, elliptically or circularly polarized	Component Description: Amount:	Main Antenna Pur \$136,935.45
	Component Description:	This section has b superceded and the invoice moved.
	Amount:	N/A
	Component Description:	This section has b superseded and the invoice moved.
	Amount:	N/A

Cost Information

Transmission Line

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

	Predetermined	Estimated	Estimated Cost		Actua
Description	Cost Estimate	Cost	Justification	Actual Cost	Justif
Interim Transmission Line	\$361,920.00	\$548,493.77		\$548,493.77	
Rigid Transmission Line - copper, 6 1/8" broadband	\$361,920.00	\$548,493.77	per KPXJ- 380-Interim Transmission Line - 6 1-8 Rigid Copper, Broadband Budget Increase Justification v0	\$548,493.77	١
Primary Transmission Line	\$966,240.00	\$802,924.84		\$484,351.74	
Rigid Transmission Line - copper, 8 3/16"	\$610,720.00	\$565,433.18	See attached TSG Sec 7 Main Coax Price Quote. Previous transmission line category erroneously labelled at a diameter of 6 1/8". The correct 8 3 /16" line has already been partially reimbursed per the invoice 202986. Actual costs will reflect this.	\$246,860.08	

Rigid	\$355,520.00	\$237,491.66	***System	\$237,491.66	Pl€
Transmission Line			Notice:		re
- copper, 6 1/8"			Estimate		20:
			adjusted and		fror
			locked		com
			because line		
			has been		
			superseded.		
			***See		
			attached		
			TSG "Sec 7		
			Main Coax"		
			price quote;		
Sub-total	\$1,328,160.00	\$1,351,418.61	N/A	\$1,032,845.51	1
Total for all systems	\$7,985,728.41	\$8,261,932.52	N/A	\$4,176,635.12	1

Actual Information Description	File Name	
Rigid Transmission Line - copper, 6 1/8" broadband	Component Description: Amount:	Transmission Line Co Interim Purchase \$128,171.86
	Component Description: Amount:	Dielectric 1100000007 1/8" Line and Connectors: Run is 14 Vertical and 100' Horizontal \$127,789.51
	Component Description:	KPXJ-380-Interim Transmission Line - 6 /8"" Rigid Copper, Broadband
	Amount:	\$35,806.33
	Component Description: Amount:	Transmission Line Co Interim Purchase \$256,726.07

8 3/16"	Component Description:	KPXJ-310-Primary
		Transmission Line - 8 /16"" Rigid Copper
	Amount:	\$12,750.65
	Component Description:	Dielectric 110000000 TRANSMISSION LIN
		RIGID
	Amount:	\$116,209.16
	Component Description:	KPXJ Transmission L
	A	Coax Main
	Amount:	\$117,900.27
Rigid Transmission Line - copper, 6 1/8"		
0 170	Component Description:	Please reject this invo
	Amount:	N/A
	Component Description:	Transmission Line Co
		Main
	Amount:	\$237,491.66

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).

	Predetermined	Estimated	
Description	Cost Estimate	Cost	Estimated Cost Justification
Primary Tower GTOWER	\$1,490,600.00	\$1,553,487.10	
Structural engineering tower load study for well documented tower	\$12,600.00	\$13,820.00	Invoices total this amount.
Serious tower reinforcement /modifications	\$1,052,000.00	\$1,211,852.10	TCI Proposal TCI-17-149E, TCI Change Order TCI-18-149E-CO1, TSG Proposal 2015865A - Transmitter Ladder, Proposal 2015865A - Antenna Anciliary Items & Joseph Ray Tarver Quote Q-3025. See KPXJ_Serious Tower Mods_Budget Increase Justification Cover Letter
Field Verifications	\$5,000.00	\$5,000.00	N/A
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$322,815.00	TCI proposals TCI-17-149E, TCI-18- 025B, and JRTarver Quote Q-7015. Please see KPXJ_TowerRigging_CostEstimate_cover letter for more information.
Sub-total	\$1,490,600.00	\$1,553,487.10	N/A
Total for all systems	\$7,985,728.41	\$8,261,932.52	N/A

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

Structural engineering tower load study for well documented tower

Component Description:

Amount:

Second Tower Analy

\$1,800.00

Component Description:

Amount:

Tower Analysis

\$8,420.00

Component Description:

one additional Load Case to determine conformance with the ANSI/TIA?EIA Stance

Analysis prepared fo

222-G

Amount:

\$1,800.00

Component Description:

one (1) additional Lo Case to determine conformance with the ANSI/TIA?EIA Stanc 222-G with basic wir speeds required for t

Analysis prepared fo

tower location.

Amount:

\$1,800.00

Serious tower reinforcement /modifications

Component Description:

Cleanup work area

around concrete slat

Amount: \$400.00

Component Description:

Amount:

Job# 39945

\$443.83

Component Description: Job# 39946-

manufactured a two piece custom ladder

overall length

galvanized to specs

Amount: \$4,252.95

Component Description: Engineering, materia

> labor services, proje management and insurance to preform complex tower modifications on the 1,693-ft guyed Kline

Tower

\$102,154.00 Amount:

Component Description: 70'-8" Ladder with

Platform

Amount: \$19,532.00

Component Description: 3" x 3" X 1/4" Angle

> 15' Long, Freight for complete order

\$4,540.00

Amount:

Component Description: Tower Modification,

repack antenna

installation

Amount: \$276,391.80

Component Description: Tower Consultants,

tower mods

\$31,400.00 Amount:

Component Description: Tower modification

Amount: \$28,800.00

	Component Description: Amount:	Tower Modification: Engineering, materia labor services, proje- management and insurance to preform complex tower modifications on the 1,693-ft guyed Kline Tower \$286,635.00
	Component Description: Amount:	Tower Modifications \$550,339.20
Field Verifications	Information not provided.	

Complex Tower (includes, for example, those with candelabras and/or stacked antennas)

Component Description: 2. Existing Primary

Tower, Complex Tov Tower Equipment ar Rigging, Repack Antenna Installation,

Mobilization 25%,

Amount: \$56,922.50

Component Description: Repack Antenna

Installation

Amount: \$109,291.20

Component Description: KPXJ-410-Existing

Primary Tower -Complex Tower, Tov Equipment and Rigg

Amount: \$22,769.00

Component Description: Antenna Services:

Engineering, materia labor services, projemanagement and insurance to preform specified antenna installation services

Amount: \$14,875.00

Component Description: Clearing lane for TV

tower crew @ Chanr

3 TV tower

Amount: \$1,000.00

Component Description: KPXJ-410-Existing

Primary Tower Complex Tower, Tov

Equipment and Rigg

Amount: \$38,707.30

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 Justifi
Outside Professional Services	\$609,407.25	\$581,118.75	Justinication	\$135,395.45	Justin
Attorney - Other Matters	\$2,406.25	\$2,406.25	Please see Estimated Cost Justification KPXJ-550- Attorney - Other Matters v0	\$2,406.25	٨
Additional Field Engineering Service, 20 Days	\$40,000.00	\$40,000.00	N/A	N/A	N
RF Exposure Measurements	\$21,050.00	\$20,000.00	N/A	N/A	N
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	N/A	N/A	N
Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	\$10,520.00	\$10,000.00	N/A	N/A	N
NEPA Section 106 environmental review, if needed	\$6,310.00	\$6,000.00	N/A	N/A	٨

Attorney Fees - Prepare and File request for Special Temporary Authorization	\$7,360.00	\$7,000.00	N/A	N/A	
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$3,162.50	see Estimated Cost Justification KPXJ-550- Attorney - Prepare and File License to Cover Application (Main) v0	\$3,162.50	N
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$3,500.00	N
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	\$750.00	N

RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	\$2,105.00	\$2,000.00	N/A	N/A	N
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$1,750.00	Ν
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$650.00	Ν
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	N
Prepare request for Special Temporary Authorization	\$4,100.00	\$3,000.00	N/A	N/A	N
Prepare and or review reimbursement form	\$2,630.00	\$2,750.00	see Estimated Cost Justification KPXJ-590- Prepare and Review Reimbursement Form v0	\$2,750.00	Extra was re to up the co reimbourep expe

Project management of the transition	\$404,796.00	\$384,300.00	N/A	\$120,426.70	Ν
Sub-total	\$609,407.25	\$581,118.75	N/A	\$135,395.45	N
Total for all systems	\$7,985,728.41	\$8,261,932.52	N/A	\$4,176,635.12	N

Actual Information Description	File Name	
Attorney - Other Matters		
	Component Description:	T.C. w/ G. Sirven, D. Cassidy re reimbursement issues
	Amount:	\$250.00
	Component Description:	KPXJ-550-Attorney - Other Matters
	Amount:	\$500.00
	Component Description: Amount:	Legal services \$750.00
	Component Description: Amount:	Legal Services \$906.25
Additional Field Engineering Service, 20 Days	Information not provided.	
RF Exposure Measurements	Information not provided.	
Comprehensive coverage verification via field study, if needed	Information not provided.	
Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	Information not provided.	

Information not provided.	
Component Description:	Exchange e-mails re documentation of fee payment for KTBS ST required to allow KPX transition construction
Amount:	\$375.00
Component Description:	KPXJ-550-Attorney - Prepare and File Lice to Cover Application
Amount:	(Main) \$1,687.50
Component Description:	Attorney Fees for Regarding Channel Change
Amount:	\$525.00
Component Description:	Attorney fees to assis with Post Auction Rep
Amount:	\$950.00
Component Description:	Attornov Foos associ
	Attorney Fees associately with Construction Per
Amount:	\$3,500.00
Information not provided.	
	Component Description: Amount: Component Description: Amount: Component Description: Amount: Component Description: Amount: Amount:

Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Component Description:	Assistance with engineering portion of license application for
	Amount:	KPXJ-DT \$375.00
	Component Description:	Attorney Fees Associated with FCC Form 399
	Amount:	\$375.00
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:	Engineering Work fo
Солошиний политурующий	Amount:	Construction Permit \$1,750.00
Perform engineering study for new channel assignment and antenna development	Component Description: Amount:	Engineering RF Anal \$650.00
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	
Prepare request for Special Temporary Authorization	Information not provided.	

Prepare and or review reimbursement form Legal Services **Component Description:** \$125.00 Amount: **Component Description:** Legal Services \$125.00 Amount: **Component Description:** Attorney fees for Pub Notice Reminder and Filings Amount: \$250.00 **Component Description:** Attorney Fees Associated with Reimbursements **Amount:** \$625.00 **Component Description:** Attorney fees for discussing Channel Reassignment, Cores Registration and Forn 1876 **Amount:** \$1,625.00 Project management of the transition **Component Description:** Professional services \$35,486.65 Amount:

Component Description: Legal services **Amount:** \$1,375.00

Component Description: FCC 387 Quarterly

reports

Amount: \$225.00

Component Description: Project Management

Amount: \$11,105.80

Component Description:

Amount:

KPXJ Repack Ch 32

\$6,921.00

Component Description:

Amount:

Project Management

\$11,164.40

Component Description:

Amount:

Project Management

\$6,706.05

Component Description:

Amount:

Project Management

\$4,428.70

Component Description:

Amount:

KPXJ Repack Ch 32

\$6,099.15

Component Description:

Amount:

Project Management

\$7,204.95

Component Description:

Amount:

KPXJ Repack Ch 32

\$6,427.70

Component Description: KPXJ seeks

reimbursement Widel services provided & charged during December 2018

Amount:

Project Management

ount: \$2,770.14

Amount:

\$2,770.15

\$4,418.30

Component Description:

Component Description:

Amount:

Legal services

\$1,625.00

Component Description:

Follow up re KPXJ transition status repor

\$125.00

Amount:

Component Description:

Amount:

Legal Services

\$125.00

Component Description:

Amount:

Project Management

\$11,198.70

Component Description:

Amount:

Project management

\$2,770.15

Component Description:

Amount:

Project Management

\$375.00

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	Actua Justil
Other Expenses	\$134,080.00	\$133,190.00		\$1,468.75	
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	\$750.00	1
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$0.00	N/A	N/A	١
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	1
Local Zoning	\$10,000.00	\$10,000.00	N/A	N/A	1
Non-zoning permits	\$5,000.00	\$5,000.00	N/A	\$0.00	1
Disposal Costs (for equipment and other waste, net of any salvage value)	\$50,000.00	\$50,000.00	See attached TSG "Sec 11 Other Expenses" quote, item 9;	\$0.00	١
Equipment Delivery and Handling Charges	\$20,000.00	\$20,000.00	See attached TSG "Sec 11 Other Expenses" quote, Item 11;	N/A	١
Equipment Storage	\$20,000.00	\$20,000.00	N/A	N/A	1
Develop and air announcement of upcoming channel change	\$15,000.00	\$15,000.00	N/A	\$93.75	1

MVPD Notification of Channel Change	\$2,000.00	\$2,000.00	N/A	\$625.00	1
Sub-total	\$134,080.00	\$133,190.00	N/A	\$1,468.75	1
Total for all systems	\$7,985,728.41	\$8,261,932.52	N/A	\$4,176,635.12	1

Components			
Actual Information Description	File Name		
DTV Medical Facility Notification	Component Description: Amount:	KPXJ-610-Medical Facility Notification \$750.00	
FCC Filing Fees - Form 2100 license to cover application	Information not provided.		
FCC Filing Fees - Special Temporary Authorization request	Information not provided.		
Local Zoning	Information not provided.		
Non-zoning permits	Information not provided.		
Disposal Costs (for equipment and other waste, net of any salvage value)	Component Description: Amount:	Cleanup work area around concrete slat \$400.00	
Equipment Delivery and Handling Charges	Information not provided.		
Equipment Storage	Information not provided.		
Develop and air announcement of upcoming channel change	Component Description: Amount:	KPXJ-610-Develop a Air Channel Change Announcement \$93.75	

MVPD Notification of Channel Change

Component Description: T.C. re MVPD

addresses for

notification of channe

changes.

Amount: \$250.00

Component Description: Professional Service

Rendered

Amount: \$375.00

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$7,985,728.41	\$8,261,932.52	\$4,176,635.1

Reimbursemer	n PSfāli ds	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.

- 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 above-named applicant for the Authorization(s) specified above.

Dale E. Cas Chief Engir

01/30/2020

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.
- 2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.
- 3. 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.
- 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 above-named applicant for the Authorization(s) specified above.

Dale E. Cas Chief Engir

01/30/2020

Attachments