



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **69531** | Service: **DTV** | Call **KZJL** | Channel: **21 (UHF)** |
ID: | Sign:
File **0000028770**
Number:
FRN: **0016264616** | Date **11/11**
Submitted: **/2019**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
KZJL LICENSE LLC Doing Business As: KZJL LICENSE LLC	Chris Buchanan 1845 EMPIRE AVENUE BURBANK, CA 91504 United States	+1 (818) 729-5300	chrisb@lbimedia. com	Limited Liability Company

Reimbursement Contact Information

Reimbursement Contact Name and Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Information

Preparer Contact Name and Information

Applicant	Address	Phone	Email
Samuel Hariton <i>Widely, Inc.</i>	4031 University Drive Fairfax, VA 22030 United States	+1 (339) 222- 8107	sam.hariton@widely. com

**Broadcaster
Information
and
Transition
Plan**

Question	Response
Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.	Yes
Briefly describe transition plan	The plan is for KZJL to replace the existing Channel 44 system with a new Channel 21 antenna, new 6-1/8" line and new transmitter. During the transition, KZJL will utilize a shared interim antenna at a new site. See attached narrative statement.

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 New
	Use	Auxiliary (Backup)
	Description of Use	Auxiliary
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter Manufacturer and Type	Manufacturer	
	Model	Ranger
	Year	2001
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	1 kW

**Auxiliary
Transmitter**

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Auxiliary (Backup)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	UAXTE-2R37
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	1 kW
	Justification for New Transmitter	Existing transmitter cannot be retuned, so a replacement transmitter needs to be purchased.

**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	150 kVA
	Rigid Conduit and Wiring	No
	Size	N/A
	Length	N/A

	Other Electrical Service	Yes
	Description	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.
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Type	Cooling Only
	Size	5 tons
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leasehold 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

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 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 and Type	Manufacturer	
	Model	Sigma CD
	Year	2006
	Type	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	42 kW

**Primary
Transmitter**

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	ULXTE-72
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	47 kW
	Justification for New Transmitter	The existing transmitter cannot be retuned per letter from the manufacturer. A new replacement transmitter is required.

**Primary
Transmitter**

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	Yes
	Power	300 kVA
	Rigid Conduit and Wiring	Yes
	Size	2 inches

	Length	1000.0 feet
	Other Electrical Service	Yes
	Description	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.
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Type	Cooling Only
	Size	20 tons
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leasehold improvement?	Yes
	Size	1500.0 square feet
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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Ice Shield for HVAC Equipment

Ice shield necessary for HVAC Equipment per tower owner.

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	Lease 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?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	Yes
Existing Antenna Manufacturer and Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	1000.0 kW
Manufacturer		

Model	TFU- 30DSC-R C170
Year	2004

**Primary
Antenna**

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Lease New
	Is this a request for upgraded equipment?	Yes
	Ownership	Leased
	Owner	American Tower Corp.
	Is antenna shared?	Yes
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	Yes
New Antenna Manufacturer and Types	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Type	Broadband Panel
	Number of Stations Supported	3
	Number of Panels/Bays	56
	Lower Limit	470.00 MHz
	Upper Limit	700.00 MHz
	Design power capacity in use	60.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	660.0 kW
	Manufacturer	
Model	PEPL42C	

Year	2018
Justification for New Antenna	The existing antenna cannot be re-tuned. KJZL decided to join effort through the BBA system in order to reduced cost compared to a like-for-like swap.

Primary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	Yes
	Type	New
	Number of channels supported	3
	Frequencies of channels supported	Upper and lower frequency
	Frequency	470.0 MHz - 698.0 MHz
	Do you need a combiner output splitter /switcher for dual feed lines?	Yes
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Broadband
	Feed Line Size	7 3/16 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 transmission line and antenna?	Yes

Primary Antenna

Other Antenna Cost Not Listed

Name	Description
Combiner Space	600-1500 sq ft indoor space needed for new Combiner system.
Combiner HVAC	2x10 Ton HVAC needed for the Combiner

**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	Lease 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	
	Type	Rigid
	Diameter	7 3/16 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1800 feet per run

**Primary
Transmission
Line** **New Transmission Line**

Section	Question	Response
New Transmission Line Costs	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Lease New
	Is this a request for upgraded equipment?	Yes
	Type	Rigid
	Diameter	7 3/16 inches
	Other Diameter	N/A
	Segment Length	Broadband
	Other Segment Length	N/A
	Number of parallel runs	2
	Length	2100 feet per run
Justification for New Transmission Line	The existing transmission line is the wrong segment length.	

**Primary
Transmission
Line** **Other Transmission Line Expenses Not Listed**

Name	Description
Nitrogen Generator	For transmission line protection and dehydration

Tower Equipment And Rigging Costs

Section	Question	Response
Tower Equipment or Rigging Costs Changes	Do you have tower equipment or rigging costs changes?	Yes

Auxiliary Tower

Add Tower

Section	Question	Response
Existing Tower Description	Type of change	Move Equipment
	Tower Use	Auxiliary (Backup)
	Description of Use	No Longer Needed
	Ownership	Leased
	Is this tower consider Complex?	No
	Is this tower currently shared with any other stations?	Yes
	One or more FM, AM or TV radio broadcaster(s)	Yes
	Others Types of Users	Yes
	Is tower documented for structural analysis?	Unknown
	Is tower compliant with Rev G?	Unknown
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1059622
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	29° 33' 45.2" N-
	Longitude (NAD83)	095° 30' 35.9" W-
	Overall Structure Height	1974.06 feet
	Support Structure Height	1844.14 feet
	Ground Elevation Above Mean Sea Level (AMSL)	74.15 feet

Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
Tower Owner	American Towers LLC
Date Constructed	08/30/2000

**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
31870	KYAZ	DTV
9625	KQBT	FM
51569	KTXH	DTV
53847	KXLN-DT	DTV
11971	KMJQ	FM
11969	KBXX	FM
28324	KTBU	DTV
13200	KUVM-CD	DTV

Other Types of Users

Users
Wireless 1
Wireless 2
7079 KCVH
57189 KHLM-LD
142962 K236AR

**Auxiliary
Tower**

Tower Rigging Costs

Section	Question	Response
Tower Rigging Costs	Complex Tower	N/A
Helicopter Services Required	Are helicopter services required?	No

**Auxiliary
Tower**

Other Tower Expenses Not Listed

Information not provided.

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	Leased
	Is this tower consider Complex?	Candelabra
	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	Yes
	Is tower documented for structural analysis?	No
	Is tower compliant with Rev G?	Unknown
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1059622
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	29° 33' 45.2" N-
	Longitude (NAD83)	095° 30' 35.9" W-
	Overall Structure Height	1974.06 feet
	Support Structure Height	1844.14 feet
	Ground Elevation Above Mean Sea Level (AMSL)	74.15 feet
	Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
	Tower Owner	American Towers, LLC.
	Date Constructed	08/30/2000

**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
11969	KBXX	FM
9625	KQBT	FM
53847	KXLN-DT	DTV
51569	KTXH	DTV
31870	KYAZ	DTV
28324	KTBU	DTV
22204	KRIV	DTV
13200	KUVM-CD	DTV
11971	KMJQ	FM

Other Types of Users

Users
Wireless 1
7079 KCVH
57189 KHLM-LD
142962 K236AR
Wireless 2

**Primary
Tower**

Tower Modification Costs

Section	Question	Response
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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:	Major Reinforcements needed

Primary Tower

Tower Rigging Costs

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

Primary Tower

Other Tower Expenses Not Listed

Name	Description
Tower Permit Drawings	Tower Permit Drawing Package
Ground Permit Drawings	Ground & Building A and E Permit Drawing Package
Structural Analysis	After the tower mapping is complete, a structural analysis will be necessary.
Construction Management	Construction project management - Tower Modification reinforcements and facilities

Outside Professional Services Costs

Section	Question	Response
<p>Outside Project Management Services</p>	<p>Do you require outside project management services?</p>	<p>Yes</p>
	<p>Number of Hours</p>	<p>807</p>
	<p>Explanation</p>	<p>KZJL does not have sufficient resource capacity and expertise in house to handle all of the Project Management related tasks necessary to facilitate on-time completion of the station's build by the Construction Deadline</p>
<p>Outside RF consulting Engineering Services</p>	<p>Perform engineering study for new channel assignment and antenna development</p>	<p>Yes</p>
	<p>Prepare engineering section of Form FCC Construction Permit Application</p>	<p>Yes</p>
	<p>For Auxiliary Facility</p>	<p>No</p>
	<p>For Main Facility</p>	<p>Yes</p>
	<p>Prepare engineering section of Form FCC License to Cover Application</p>	<p>Yes</p>
	<p>For Auxiliary Facility</p>	<p>No</p>
	<p>For Main Facility</p>	<p>Yes</p>
	<p>Prepare request for Special Temporary Authority</p>	<p>Yes</p>
	<p>Quantity</p>	<p>2</p>

	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
Attorney and Other Outside Consulting Services	Prepare and file Form FCC Construction Permit Application	Yes
	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	Yes
	FAA Consultation (including preparation of FAA Form 7460)	No
	Negotiation of Lease and other Matter for Shared Locations	Yes
	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	No
	RF exposure measurements	Yes
	Additional Field Engineering Service	Yes
	Number of Days	10

Justification

Supervision
and
inspection of
work
completed

**Outside
Professional
Services
Costs**

Other Professional Services Expenses Not Listed

Name	Description
Site Coordination Meeting	Site Coordination Meeting
RF System Test	RF System Test
Migratory Bird Assessment	Migratory Bird Assessment and Permitting (if needed)

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?	No
	Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?	Yes
	Does this relocation require MVPD Notification of a Channel Change?	Yes

**Other
Expenses**

Other Expenses Not Listed

Name	Description
Site Security	Site Security necessary during repack activities.
Main Site Upgrades	Upgrades necessary at the Main tower site due to Repack Activities.

Cost Information

Transmitters

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmitter ULXTE-72	\$1,670,720.57	\$1,442,185.31		\$1,350,245.14	
Ice Shield for HVAC Equipment	<i>\$8,000.00</i>	\$8,000.00	See attached KZJL Main Transmitter Cost Estimate.	\$6,000.00	N/A
Other -- Building Addition Size: 1500.0	<i>\$44,849.86</i>	\$44,849.86	Per ATC Quote (\$33,333.33) and Wilson Fire Proposal dated 12/7/18 (\$11,516.53)	\$36,073.86	N/A
Other -- HVAC Service Type: C Size:20 (Other)	<i>\$42,204.04</i>	\$42,204.04	Per Mercury Control proposal 1034 dated 9/28/18	\$42,204.03	N/A

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.	\$1,666.67	\$1,666.67	ATC Invoice 460208944	\$1,250.01	N/A
2" Rigid Conduit and Wiring (Cost per foot)	\$26,000.00	\$8,333.33	See attached KZJL Main Transmitter Cost Estimate and ATC Invoice 460208944	\$7,749.99	N/A
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$1,290,031.41	See attached GatesAir quote GA-00021324 for upgrade solid state transmitter.	\$1,247,892.25	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$12,100.00	Per ATC Invoice 460208944	\$9,075.00	N/A
Transformer 3 phase/480v - 300 KVA	\$36,800.00	\$35,000.00	N/A	N/A	N/A
Auxiliary Transmitter UAXTE-2R37	\$179,300.00	\$171,050.00		\$65,516.26	

5 Ton system	\$20,250.00	\$19,250.00	N/A	N/A	N/A
Transformer 3 phase/480v - 150 KVA	\$25,550.00	\$24,300.00	N/A	N/A	N/A
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.	<i>\$7,500.00</i>	\$7,500.00	N/A	N/A	N/A
UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW	\$126,000.00	\$120,000.00	N/A	\$65,516.26	N/A
Sub-total	\$1,850,020.57	\$1,613,235.31	N/A	\$1,415,761.40	N/A
Total for all systems	\$5,135,834.57	\$2,766,201.30	N/A	\$2,027,699.55	N/A

Components

Actual Information	
Description	File Name

Ice Shield for HVAC Equipment	<p>Component Description: KZJL 1st Primary Transmitter- Ice Shield for HVAC Equipment</p> <p>Amount: \$4,000.00</p>
	<p>Component Description: Ice Shield for HVAC Equipment</p> <p>Amount: \$2,000.00</p>
Other -- Building Addition Size: 1500.0	<p>Component Description: Building Addition 1500 SF</p> <p>Amount: \$8,333.33</p>
	<p>Component Description: KZJL 1st Primary Transmitter- Building Addition 1500 SF</p> <p>Amount: \$16,666.67</p>
	<p>Component Description: Material, labor, engineering</p> <p>Amount: \$11,073.86</p>
Other -- HVAC Service Type: C Size:20 (Other)	<p>Component Description: Install new 20T condenser 460-480v 3 Phase and AHU</p> <p>Amount: \$42,204.03</p>

<p>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.</p>	<p>Component Description: New Electrical Sub Panels Amount: \$416.67</p> <p>Component Description: KZJL 1st Primary Transmitter- Other Electrical Service Amount: \$833.34</p>
<p>2" Rigid Conduit and Wiring (Cost per foot)</p>	<p>Component Description: Capital contribution- Missouri City/30285 /Asset#30285-BTI /OAA718460/ KZJL Channel 21 Phase 2/ Milestone 1/ Broadcast Repack Amount: \$2,083.33</p> <p>Component Description: Relocate conduits on office wall Amount: \$1,500.00</p> <p>Component Description: Capital contribution - Missouri City Amount: \$4,166.66</p>

UHF - Liquid Cooled Solid
State Transmitter 35 - 50
kW

Component Description: "Transmitter Mask
Filter System RF
Accessories"
Amount: \$217,173.92

Component Description: 1st Primary
Transmitter - UHF
Liquid Cooled
Solid State
Amount: \$442,479.93

Component Description: New Primary
Transmitter
ULXTE-72
Transmitter
Amount: \$495,924.05

Component Description: Installation and
Proof per Quote Q-
76297
Amount: \$92,314.35

Component Description: 25% Down
payment for 1st
Primary Transmitter
Amount: \$22,024.98

<p>Switchgear - industrial 800 amp</p>	<p>Component Description: KZJL 1st Primary Transmitter- 800 Amp Switchgear</p> <p>Amount: \$6,050.00</p> <p>Component Description: Reference KZJL-110-1st Primary Transmitter - 25 Ton HVAC System American Tower LLC 460200428</p> <p>Amount: \$3,025.00</p>
<p>Transformer 3 phase/480v - 300 KVA</p>	<p>Information not provided.</p>
<p>5 Ton system</p>	<p>Information not provided.</p>
<p>Transformer 3 phase/480v - 150 KVA</p>	<p>Information not provided.</p>
<p>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.</p>	<p>Information not provided.</p>

UHF - Air Cooled Solid
State Transmitter 1 - 2.5 kW

Component Description: "Transmitter Mask
Filter Electrical"
Amount: \$48,806.81

Component Description: Installation
Services
Amount: \$11,011.45

Component Description: New Auxiliary
Transmitter Down
Payment
Amount: \$28,332.03

Component Description: UAXTE-2
Transmitter
Amount: \$26,172.78

Cost Information

Antennas

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Antenna PEPL42C	\$419,780.00	\$245,809.00		\$159,356.46	
Combiner HVAC	<i>\$24,667.00</i>	\$24,667.00	N/A	\$18,500.01	N/A
Combiner Space	<i>\$33,333.00</i>	\$33,333.00	N/A	\$2,083.33	N/A
Elbow complex, broadband, at antenna input, per 7 3/16. feedline (if needed)	\$16,850.00	\$8,580.00	N/A	\$6,435.00	N/A
Combiner output splitting /switching for dual feed lines, if applicable	\$126,000.00	\$0.00	N/A	N/A	N/A
New combiner, cost per channel (without antenna)	\$84,200.00	\$44,562.00	N/A	\$31,338.11	N/A
Sweep test of existing antenna	\$6,730.00	\$6,667.00	See attached Cost sheets	\$5,000.01	N/A

UHF - High Power Top Mount Three Station broadband panel antenna elliptically or circularly polarized	\$128,000.00	\$128,000.00	N/A	\$96,000.00	N/A
Sub-total	\$419,780.00	\$245,809.00	N/A	\$159,356.46	N/A
Total for all systems	\$5,135,834.57	\$2,766,201.30	N/A	\$2,027,699.55	N/A

Components

Actual Information	
Description	File Name
Combiner HVAC	Component Description: KZJL Primary Antenna-Combiner HVAC
	Amount: \$12,333.34
	Component Description: Combiner HVAC
	Amount: \$6,166.67
Combiner Space	Component Description: Combiner Installation
	Amount: \$2,083.33

<p>Elbow complex, broadband, at antenna input, per 7 3/16. feedline (if needed)</p>	<p>Component Description: Elbow Complex 7 3/16"</p> <p>Amount: \$2,145.00</p> <p>Component Description: KZJL Primary Antenna- Elbow Complex 7 3/16in</p> <p>Amount: \$4,290.00</p>
<p>Combiner output splitting /switching for dual feed lines, if applicable</p>	<p>Information not provided.</p>
<p>New combiner, cost per channel (without antenna)</p>	<p>Component Description: Combiner and Installation</p> <p>Amount: \$9,057.15</p> <p>Component Description: KZJL Primary Antenna- Combiner</p> <p>Amount: \$22,280.96</p>
<p>Sweep test of existing antenna</p>	<p>Component Description: Sweep Test</p> <p>Amount: \$1,666.67</p> <p>Component Description: KZJL Primary Antenna- Sweep Test</p> <p>Amount: \$3,333.34</p>

UHF - High Power Top
Mount Three Station
broadband panel antenna
elliptically or circularly
polarized

Component Description:

UHF High Power
Top Mount
broadband
\$32,000.00

Amount:

Component Description:

KZJL Primary
Antenna- UHF
High Power Top
Mount Broadband
Antenna

Amount:

\$64,000.00

Cost Information

Transmission Line

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmission Line	\$1,403,600.00	\$308,030.00		\$231,022.50	
Nitrogen Generator	<i>\$5,000.00</i>	\$5,000.00	Per ATC Invoice 460208944	\$3,750.00	N/A
Rigid Transmission Line - copper, 7 3 /16" broadband	\$1,398,600.00	\$303,030.00	N/A	\$227,272.50	N/A
Sub-total	\$1,403,600.00	\$308,030.00	N/A	\$231,022.50	N/A
Total for all systems	\$5,135,834.57	\$2,766,201.30	N/A	\$2,027,699.55	N/A

Components

Actual Information Description	File Name
Nitrogen Generator	Component Description: KZJL Rigid Transmission Line- copper, 7 3 /16in Nitrogen Generator
	Amount: \$2,500.00
	Component Description: Nitrogen Generator
	Amount: \$1,250.00

Rigid Transmission Line -
copper, 7 3/16" broadband

Component Description:

Rigid
Transmission Line
- copper, 7 3/16"
broadband

Amount:

\$75,757.50

Component Description:

KZJL Rigid
Transmission
Line- copper, 7 3
/16in broadband

Amount:

\$151,515.00

Cost Information

Tower Equipment and Rigging Costs

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower GTOWER	\$892,945.00	\$252,572.57		\$117,053.18	
Construction Management	<i>\$10,495.00</i>	\$10,495.00	American Tower 460208944	\$10,495.00	invoices
Tower Permit Drawings	<i>\$4,700.00</i>	\$4,700.00	N/A	\$3,525.00	N/A
Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$6,200.00	See attached KZJL Main Transmitter Cost Estimate	\$4,650.00	N/A
Structural Analysis	<i>\$4,750.00</i>	\$4,750.00	See attached KZJL Main Transmitter Cost Estimate	\$3,562.50	N/A
Ground Permit Drawings	<i>\$4,700.00</i>	\$4,700.00	N/A	\$3,525.00	N/A
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$121,727.57	Per ATC Invoice 460208944	\$91,295.68	N/A

Major tower reinforcement /modifications	\$421,000.00	\$100,000.00	See attached KZJL Main Transmitter Cost Estimate	N/A	N/A
Auxiliary Tower GTOWER	\$210,500.00	\$0.00		\$0.00	
Tall Tower (greater than 500')	\$210,500.00	\$0.00	N/A	N/A	N/A
Sub-total	\$1,103,445.00	\$252,572.57	N/A	\$117,053.18	N/A
Total for all systems	\$5,135,834.57	\$2,766,201.30	N/A	\$2,027,699.55	N/A

Components

Actual Information	
Description	File Name
Construction Management	<p>Component Description: KZJL Primary Tower- Construction Management</p> <p>Amount: \$5,000.00</p> <p>Component Description: Construction Management</p> <p>Amount: \$5,495.00</p>

Tower Permit Drawings	<p>Component Description: Tower Permit Drawings</p> <p>Amount: \$1,175.00</p> <p>Component Description: KZJL Primary Tower- Tower Permit Drawings</p> <p>Amount: \$2,350.00</p>
Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study	<p>Component Description: KZJL Primary Tower- Tower Mapping for an Undocumented /Poorly Documented Tower</p> <p>Amount: \$3,100.00</p> <p>Component Description: Tower Mapping for an Undocumented /Poorly Documented Tower</p> <p>Amount: \$1,550.00</p>
Structural Analysis	<p>Component Description: KZJL Primary Tower- Structural Analysis</p> <p>Amount: \$2,375.00</p> <p>Component Description: Structural Analysis</p> <p>Amount: \$1,187.50</p>

Ground Permit Drawings	<p>Component Description: Ground Permit Drawings</p> <p>Amount: \$1,175.00</p> <p>Component Description: KZJL Primary Tower- Ground Permit Drawings</p> <p>Amount: \$2,350.00</p>
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	<p>Component Description: Complex Tower, Tower Equipment and Rigging Costs</p> <p>Amount: \$30,431.89</p> <p>Component Description: KZJL Primary Tower- Complex Tower, Tower Equipment and Rigging</p> <p>Amount: \$60,863.79</p>
Major tower reinforcement /modifications	Information not provided.
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 Cost Justification
Outside Professional Services	\$242,659.00	\$230,579.42		\$87,747.28	
Migratory Bird Assessment	<i>\$438.00</i>	\$438.00	N/A	\$328.13	N/A
RF System Test	<i>\$12,830.00</i>	\$12,830.00	see Estimated Cost Justification KZJL-580-Field Engineering Services - Interim Site RF System Test v0	\$11,580.00	N/A
Site Coordination Meeting	<i>\$1,250.00</i>	\$1,250.00	N/A	\$937.50	N/A
Additional Field Engineering Service, 10 Days	<i>\$20,000.00</i>	\$20,000.00	N/A	N/A	N/A
RF Exposure Measurements	\$21,050.00	\$20,000.00	N/A	\$2,812.50	N/A
ASR modification (prepare FCC Form 854)	\$2,105.00	\$166.67	Tower owner is passing this cost to the station	\$125.00	N/A

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/A
NEPA Section 106 environmental review, if needed	\$6,310.00	\$1,350.00	Tower owner is passing this cost to the Station	\$1,012.50	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$7,360.00	\$7,000.00	N/A	\$0.00	N/A
Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$14,514.75	see Estimated Cost Justification KZJL-550-Attorney - Negotiation of Lease and Other Matters v0	\$14,514.75	invoices
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	\$702.00	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	N/A	N/A

Prepare request for Special Temporary Authorization	\$4,100.00	\$3,000.00	N/A	\$350.00	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	N/A	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$3,750.00	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	\$1,567.25	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	\$319.50	N/A

Project management of the transition	\$127,506.00	\$116,280.00	\$106,800 Overall project Management + \$9,480 Additional per Towers owner See attached KZJL Cost Estimate	\$49,748.15	N/A
Sub-total	\$242,659.00	\$230,579.42	N/A	\$87,747.28	N/A
Total for all systems	\$5,135,834.57	\$2,766,201.30	N/A	\$2,027,699.55	N/A

Components

Actual Information		
Description	File Name	
Migratory Bird Assessment	Component Description:	Migratory Bird Assessment
	Amount:	\$109.38
	Component Description:	KZJL Field Engineering Services- Migratory Bird Assessment
	Amount:	\$218.75

RF System Test	<p>Component Description: KZJL Field Engineering Services- RF System Test</p> <p>Amount: \$2,500.00</p> <p>Component Description: RF System Test</p> <p>Amount: \$1,250.00</p> <p>Component Description: Plus-X VSWR RF Fault Protection</p> <p>Amount: \$7,830.00</p> <p>Component Description: N/A</p> <p>Amount: N/A</p>
Site Coordination Meeting	<p>Component Description: KZJL Site Coordination Meeting</p> <p>Amount: \$625.00</p> <p>Component Description: Site Coordination Meeting</p> <p>Amount: \$312.50</p>
Additional Field Engineering Service, 10 Days	Information not provided.

RF Exposure Measurements	<p>Component Description: RF Exposure Measurements</p> <p>Amount: \$937.50</p> <p>Component Description: KZJL Field Engineering Services- RF Exposure Measurements</p> <p>Amount: \$1,875.00</p>
ASR modification (prepare FCC Form 854)	<p>Component Description: ASR Modification</p> <p>Amount: \$41.67</p> <p>Component Description: KZJL Attorney- ASR Modification</p> <p>Amount: \$83.33</p>
Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	Information not provided.
NEPA Section 106 environmental review, if needed	<p>Component Description: NEPA Section 106 environmental review</p> <p>Amount: \$337.50</p> <p>Component Description: KZJL Attorney- NEPA Section 106 Environmental Review</p> <p>Amount: \$675.00</p>
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.

Attorney Fees - Negotiation of lease and other matters for shared locations	Component Description:	Total Professional Services
	Amount:	\$5,824.35
	Component Description:	Email corr w/ M. Todd and C. Buchanan re: KZJL repack requirements.
	Amount:	\$350.10
	Component Description:	Legal Services
	Amount:	\$1,398.60
	Component Description:	Legal services
	Amount:	\$2,316.60
	Component Description:	Total Professional Services
	Amount:	\$4,625.10
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Component Description:	KZJL-550-Attorney - Prepare and File License to Cover (Main)
	Amount:	\$702.00
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Information not provided.	
Prepare request for Special Temporary Authorization	Component Description:	Consulting Engineer - J. Davis - Hourly (@ \$250 /hr)
	Amount:	\$350.00

Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Information not provided.
Perform engineering study for new channel assignment and antenna development	<p>Component Description: Engineering Study for New Channel Assignment</p> <p>Amount: \$1,250.00</p> <p>Component Description: KZJL RF Eng-Engineering Study for New Channel Assignment</p> <p>Amount: \$2,500.00</p>
Address transition timing and coordination issues w/ other stations and wireless	<p>Component Description: KZJL, Houston, TX Channel Repack</p> <p>Amount: \$317.25</p> <p>Component Description: KZJL Transition Timing and Coordination</p> <p>Amount: \$1,250.00</p>
Prepare and or review reimbursement form	<p>Component Description: Legal services</p> <p>Amount: \$319.50</p>
Project management of the transition	<p>Component Description: Project Management</p> <p>Amount: \$4,272.80</p>

Component Description: Project
Management
Amount: \$3,522.10

Component Description: Project
Management
Amount: \$4,119.85

Component Description: Project
Management
Amount: \$3,137.35

Component Description: Project
Management
Amount: \$3,282.10

Component Description: Project
Management
Amount: \$6,640.55

Component Description: Project
Management
Amount: \$1,144.50

Component Description: Project
Management
Amount: \$2,615.30

Component Description: Project
Management
Amount: \$3,167.75

Component Description: Project
Management
Amount: \$4,251.30

Component Description: Project Management
Amount: \$1,297.05

Component Description: Project Management
Amount: \$57.00

Component Description: KZJL Project Management
Amount: \$4,740.00

Component Description: Project Management
Amount: \$262.50

Component Description: Project Management
Amount: \$2,026.80

Component Description: Project Management
Amount: \$1,197.35

Component Description: Project Management
Amount: \$2,058.15

Component Description: Project Management
Amount: \$1,955.70

Cost Information

Other Expenses

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$116,330.00	\$115,975.00		\$16,758.73	
Main Site Upgrades	<i>\$11,375.00</i>	\$11,375.00	See attached KZJL Main Transmitter Cost Estimate.	\$200.00	N/A
Site Security	<i>\$7,875.00</i>	\$7,875.00	Per ATC Invoice 460208944	\$5,906.25	N/A
MVPD Notification of Channel Change	<i>\$2,000.00</i>	\$2,000.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	<i>\$15,000.00</i>	\$15,000.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	<i>\$25,000.00</i>	\$25,000.00	N/A	\$5,124.99	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$25,000.00</i>	\$25,000.00	Station Estimate	\$3,430.00	N/A

FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$535.00	see Estimated Cost Justification KZJL-610-FCC Filing Fee - License to Cover v0	\$535.00	N/A
Local Zoning	<i>\$10,000.00</i>	\$10,000.00	N/A	\$562.50	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	N/A	N/A
Non-zoning permits	<i>\$8,000.00</i>	\$8,000.00	N/A	\$999.99	N/A
Sub-total	\$116,330.00	\$115,975.00	N/A	\$16,758.73	N/A
Total for all systems	\$5,135,834.57	\$2,766,201.30	N/A	\$2,027,699.55	N/A

Components

Actual Information	
Description	File Name
Main Site Upgrades	<p>Component Description: Consulting Engineer - J. Davis - Hourly (@ \$250/hr)</p> <p>Amount: \$200.00</p>

Site Security	<p>Component Description: Site Security Amount: \$1,968.75</p> <p>Component Description: KZJL Site Security Amount: \$3,937.50</p>
MVPD Notification of Channel Change	Information not provided.
Develop and air announcement of upcoming channel change	Information not provided.
Equipment Delivery and Handling Charges	<p>Component Description: Equipment Delivery Amount: \$1,708.33</p> <p>Component Description: KZJL Equipment Delivery Amount: \$3,416.66</p>
Disposal Costs (for equipment and other waste, net of any salvage value)	<p>Component Description: Demolition of Electrical Gear Amount: \$3,430.00</p>
FCC Filing Fees - Special Temporary Authorization request	Information not provided.
FCC Filing Fees - Form 2100 license to cover application	<p>Component Description: Total Professional Services Amount: \$335.00</p> <p>Component Description: KZJL-610-FCC Filing Fee - License to Cover Amount: \$200.00</p>

Local Zoning	<p>Component Description: Local Zoning Amount: \$187.50</p> <p>Component Description: KZJL Local Zoning Amount: \$375.00</p>
DTV Medical Facility Notification	Information not provided.
Non-zoning permits	<p>Component Description: Non-Zoning Permits Amount: \$333.33</p> <p>Component Description: KZJL Non-Zoning Permits Amount: \$666.66</p>

Cost Information **Grand Total**

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$5,135,834.57	\$2,766,201.30	\$2,027,699.55

Reimbursement Status

Question	Response
The facility has ceased operating on its pre-auction channel.	No
Construction of final facilities or all necessary modifications are complete.	No
All receipts for reimbursement have been submitted no further costs are expected to be incurred. Note this will lock the Form 399 from further editing and begin close-out procedures with the Fund Administrator.	No

Certification	Section	Question	Response
	<p>Submission of Estimated Expenses Statements</p>	<p>WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.</p>	
		<ol style="list-style-type: none"> 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 above-named applicant for the Authorization(s) specified above.

**Michael
Everett
Todd**
*Chief
Engineer*

11/11/2019

Certification	Section	Question	Response
	Submission of Actual Cost Documentation Statements	<p>WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).</p>	
		<ol style="list-style-type: none"> 1. The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 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.
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 above-named applicant for the Authorization(s) specified above.

**Michael
Everett
Todd**
*Chief
Engineer*

11/11/2019

Attachments