

(REFERENCE COPY - Not for submission)

## FCC Form 399: Reimbursement Request

Facility 69531 Service: DTV Call KZJL Channel: 21 (UHF)

Sign:

ID:

File **0000028770** 

Number:

FRN: **0016264616** Date **08/06** 

Submitted: /2019

## Applicant Information

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

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

## Reimbursement Contact Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

#### Preparer Contact Information

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

Applicant	Address	Phone	Email
Samuel Hariton Widelity, Inc.	4031 University Drive Fairfax, VA 22030 United States	+1 (339) 222- 8107	sam.hariton@widelity. 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**

S 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	
Manufacturer and Type	Model	Ranger
	Year	2001
	Туре	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
	Туре	Cooling Only
	Size	5 tons
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
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** 

**Transmitter** Information not provided.

## Primary Transmitter

#### **Existing Transmitter Information**

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter	Manufacturer	
Manufacturer and Type	Model	Sigma CD
	Year	2006
	Туре	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
	Туре	Cooling Only
	Size	20 tons
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold	Does the Transmitter Building require an addition, modification, other leashold improvement?	Yes
Improvement	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
	•

Ice Shield for HVAC Equipment	Ice shield nece
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Ice shield necessary for HVAC Equipment per tower owner.

#### **Antennas**

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

#### **Existing Antenna Information**

Section	Question	Response
Existing Antenna Description	Type of change	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	Class	Full Power
Manufacturer and Type	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	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

#### **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	Class	Full Power
Manufacturer and Types	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Туре	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.

#### **Other Antenna Costs**

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	Yes
	Туре	New
	Number of channels supported	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?	No
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

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

# Primary Transmission Line

#### **Existing Transmission Line**

n 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	
	Туре	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

#### **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
	Туре	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

#### Other Transmission Line Expenses Not Listed

Transmission	n Laine	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	Do you have a tower registration number?	Yes
Structure Registration	ASR Number	1059622
Coordinates (NAD83 ( North American Datum	Latitude (NAD83)	29° 33′ 45.2″ N-
of 1983))	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

Service FM
FM
FM
D DTV
FM
DTV
DTV
T DTV
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	Do you have a tower registration number?	Yes
Structure Registration	ASR Number	1059622
Coordinates (NAD83 (	Latitude (NAD83)	29° 33' 45.2" N-
North American Datum of 1983))	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
22204	KRIV	DTV
31870	KYAZ	DTV
28324	KTBU	DTV
13200	KUVM-CD	DTV
11971	KMJQ	FM
53847	KXLN-DT	DTV
51569	KTXH	DTV
11969	KBXX	FM
9625	KQBT	FM

#### Other Types of Users

Users	
Wireless 1	
7079 KCVH	
57189 KHLM-L	)
142962 K236AF	2
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	
Construction Management	Construction project management - Tower Modification reinforcements and facilities	
Structural Analysis	After the tower mapping is complete, a structural analysis will be necessary.	
Ground Permit Drawings	Ground & Building A and E Permit Drawing Package	

Outside Professional

Section	Question	Response
Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	807
	Explanation	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
Outside RF consulting Engineering Services	Perform engineering study for new channel assignment and antenna development	Yes
	Prepare engineering section of Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	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	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

## Other Professional Services Expenses Not Listed

l Services Costs	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 necessary during repack	
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 Primary Transmitter ULXTE-72	Predetermined Cost Estimate \$1,681,794.43	Estimated Cost \$1,453,259.17	Estimated Cost Justification	Actual Cost \$1,348,745.14	Actual Cost Justification
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
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

Auxiliary Transmitter UAXTE-2R37	\$179,300.00	\$171,050.00		\$65,516.26	
Other Building Addition Size: 1500.0	\$55,923.72	\$55,923.72	Per ATC Invoice 460208944 (\$44,407.19) and Wilson Fire Proposal dated 12/7 /18 (\$11,516.53)	\$36,073.86	N/A
Ice Shield for HVAC Equipment	\$8,000.00	\$8,000.00	See attached KZJL Main Transmitter Cost Estimate.	\$6,000.00	N/A
Transformer 3 phase/480v - 300 KVA	\$36,800.00	\$35,000.00	N/A	N/A	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$12,100.00	Per ATC Invoice 460208944	\$9,075.00	N/A
Other HVAC Service Type: C Size:20 (Other)	\$42,204.04	\$42,204.04	Per Mercury Control proposal 1034 dated 9 /28/18	\$42,204.03	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	\$6,249.99	N/A

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.  Transformer 3 phase/480v - 150 KVA  UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW  5 Ton system \$20,250.00 \$19,250.00 N/A \$1,414,261.40 N/A \$4,400.17 N/A \$1,414,261.40 N/A	Other	\$7,500.00	\$7,500.00	N/A	N/A	N/A
phase/480v - 150 KVA  UHF - Air \$126,000.00 \$120,000.00 N/A \$65,516.26 N/A  Cooled Solid State  Transmitter 1 - 2.5 kW  5 Ton system \$20,250.00 \$19,250.00 N/A N/A N/A  Sub-total \$1,861,094.43 \$1,624,309.17 N/A \$1,414,261.40 N/A  Total for all \$5,139,078.43 \$2,769,235.16 N/A \$2,018,034.55 N/A	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	\$1,500.00	Ψ/, υυυ.υυ	IV/A	N/A	IV/A
Cooled Solid State Transmitter 1 - 2.5 kW  5 Ton system \$20,250.00 \$19,250.00 N/A N/A N/A  Sub-total \$1,861,094.43 \$1,624,309.17 N/A \$1,414,261.40 N/A  Total for all \$5,139,078.43 \$2,769,235.16 N/A \$2,018,034.55 N/A	phase/480v -	\$25,550.00	\$24,300.00	N/A	N/A	N/A
Sub-total         \$1,861,094.43         \$1,624,309.17         N/A         \$1,414,261.40         N/A           Total for all         \$5,139,078.43         \$2,769,235.16         N/A         \$2,018,034.55         N/A	Cooled Solid State Transmitter 1 -	\$126,000.00	\$120,000.00	N/A	\$65,516.26	N/A
<b>Total for all</b> \$5,139,078.43 \$2,769,235.16 N/A \$2,018,034.55 N/A	5 Ton system	\$20,250.00	\$19,250.00	N/A	N/A	N/A
	Sub-total	\$1,861,094.43	\$1,624,309.17	N/A	\$1,414,261.40	N/A
		\$5,139,078.43	\$2,769,235.16	N/A	\$2,018,034.55	N/A

#### Components

<b>Actual Information</b>	
Description	File Name

UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW

**Component Description:** 1st Primary

> Transmitter - UHF Liquid Cooled Solid State

Amount:

Amount:

\$442,479.93

**Component Description:** "Transmitter Mask

> Filter System RF Accessories"

\$217,173.92 **Amount:** 

**Component Description: New Primary** 

> Transmitter ULXTE-72 Transmitter \$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

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.

**Component Description: KZJL 1st Primary** 

> Transmitter- Other **Electrical Service**

Amount: \$833.34

**New Electrical Sub Component Description:** 

**Panels** 

\$416.67 **Amount:** 

2" Rigid Conduit and Wiring (Cost per foot)		
(Cost per 100t)	Component Description:	Capital
		contribution -
		Missouri City
	Amount:	\$4,166.66
	Component Description:	Capital
	Component Description:	Capital contribution-
		Missouri City/30285
		/Asset#30285-BTI
		/OAA718460/
		KZJL Channel 21
		Phase 2/
		Milestone 1/
		Broadcast Repack
	Amount:	\$2,083.33
Other HVAC Service		
Type: C Size:20 (Other)	Component Description:	Install new 20T
		condenser 460-
		480v 3 Phase and
		AHU
	Amount:	\$42,204.03
Switchgear - industrial 800		
amp	Component Description:	Reference KZJL-
		110-1st Primary
		Transmitter - 25
		Ton HVAC System
		American Tower
		LLC 460200428
	Amount:	\$3,025.00
	Component Description:	KZJL 1st Primary
	Component Description.	Transmitter- 800
		Amp Switchgear
	Amount:	\$6,050.00
Transformer 3 phase/480v -	Information not provided.	

Ice Shield for HVAC Equipment	Component Description:	KZJL 1st Primary Transmitter- Ice Shield for HVAC Equipment
	Amount:	\$4,000.00
	Component Description:	Ice Shield for HVAC Equipment
	Amount:	\$2,000.00
Other Building Addition		
Size: 1500.0	Component Description:	KZJL 1st Primary Transmitter- Building Addition
	Amount:	1500 SF \$16,666.67
	Component Description:	Building Addition
	Amount:	1500 SF \$8,333.33
	Component Description:	Material, labor,
	Amount:	engineering \$11,073.86
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.	
Transformer 3 phase/480v - 150 KVA	Information not provided.	

UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW **Component Description: New Auxiliary** Transmitter Down Payment Amount: \$28,332.03 **Component Description:** UAXTE-2 Transmitter Amount: \$26,172.78 **Component Description:** Installation Services Amount: \$11,011.45 5 Ton system Information not provided.

#### **Antennas**

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 Space	\$33,333.00	\$33,333.00	N/A	N/A	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
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 HVAC	\$24,667.00	\$24,667.00	N/A	\$18,500.01	N/A
New combiner, cost per channel (without antenna)	\$84,200.00	\$44,562.00	N/A	\$33,421.44	N/A
Sweep test of existing antenna	\$6,730.00	\$6,667.00	See attached Cost sheets	\$5,000.01	N/A

Combiner output splitting /switching for dual feed lines, if applicable	\$126,000.00	\$0.00	N/A	N/A	N/A
Sub-total	\$419,780.00	\$245,809.00	N/A	\$159,356.46	N/A
Total for all systems	\$5,139,078.43	\$2,769,235.16	N/A	\$2,018,034.55	N/A

Actual Information Description	File Name	
Combiner Space	Information not provided.	
UHF - High Power Top Mount Three Station broadband panel antenna elliptically or circularly	Component Description:	UHF High Power Top Mount broadband
polarized	Amount:	\$32,000.00
	Component Description:	KZJL Primary Antenna- UHF High Power Top
	Amount:	Mount Broadband Antenna \$64,000.00
Elbow complex, broadband, at antenna input, per 7 3/16.		
feedline (if needed)	Component Description:	Elbow Complex 7 3/16"
	Amount:	\$2,145.00
	Component Description:	KZJL Primary Antenna- Elbow
		Complex 7 3/16in
	Amount:	\$4,290.00

	Component Description: Amount:	Combiner HVAC \$6,166.67
	Component Description:	KZJL Primary Antenna-
	Amount:	Combiner HVAC \$12,333.34
New combiner, cost per		
channel (without antenna)	Component Description:	KZJL Primary
		Antenna- Combiner
	Amount:	\$22,280.96
	Component Description:	Combiner and
	Amount:	Installation \$11,140.48
	Amount.	ψ11,140.40
Sweep test of existing antenna	Component Description:	KZJL Primary
		Antenna- Sweep
		Test
	Amount:	\$3,333.34
	Component Description:	Sweep Test
	Amount:	\$1,666.67
Combiner output splitting switching for dual feed lines, fapplicable	Information not provided.	

#### **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	
Rigid Transmission Line - copper, 7 3 /16" broadband	\$1,398,600.00	\$303,030.00	N/A	\$227,272.50	N/A
Nitrogen Generator	\$5,000.00	\$5,000.00	Per ATC Invoice 460208944	\$3,750.00	N/A
Sub-total	\$1,403,600.00	\$308,030.00	N/A	\$231,022.50	N/A
Total for all systems	\$5,139,078.43	\$2,769,235.16	N/A	\$2,018,034.55	N/A

Actual Information Description	File Name	
Rigid Transmission Line - copper, 7 3/16" broadband	Component Description:  Amount:	Rigid Transmission Line - copper, 7 3/16" broadband \$75,757.50
	Amount.	ψ13,131.30
	Component Description:	KZJL Rigid Transmission Line- copper, 7 3 /16in broadband
	Amount:	\$151,515.00

Nitrogen Generator

Component Description:
Amount:

Nitrogen Generator
\$1,250.00

Component Description:

KZJL Rigid
Transmission
Line- copper, 7 3
/16in Nitrogen
Generator
Amount:
\$2,500.00

#### **Tower Equipment and Rigging Costs**

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	\$10,495.00	\$10,495.00	American Tower 460208944	\$10,495.00	invoices
Tower Permit Drawings	\$4,700.00	\$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	\$4,750.00	\$4,750.00	See attached KZJL Main Transmitter Cost Estimate	\$3,562.50	N/A
Ground Permit Drawings	\$4,700.00	\$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	\$5,139,078.43	\$2,769,235.16	N/A	\$2,018,034.55	N/A

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

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

Ground Permit Drawings		
	Component Description:	KZJL Primary
		Tower- Ground
		Permit Drawings
	Amount:	\$2,350.00
	Component Description:	Ground Permit
		Drawings
	Amount:	\$1,175.00
Complex Tower (includes,		
for example, those with	Component Description:	Complex Tower,
candelabras and/or stacked		Tower Equipment
antennas)		and Rigging Costs
	Amount:	\$30,431.89
	Component Description:	KZJL Primary
		Tower- Complex
		Tower, Tower
		Equipment and
		Rigging
	Amount:	\$60,863.79
Major tower reinforcement /modifications	Information not provided.	
Tall Tower (greater than 500')	Information not provided.	

#### **Outside Professional Services**

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cos
Outside Professional Services	\$234,829.00	\$222,749.42		\$79,917.28	
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
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
Migratory Bird Assessment	\$438.00	\$438.00	N/A	\$328.13	N/A
RF System Test	\$5,000.00	\$5,000.00	N/A	\$3,750.00	N/A
Site Coordination Meeting	\$1,250.00	\$1,250.00	N/A	\$937.50	N/A
Additional Field Engineering Service, 10 Days	\$20,000.00	\$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 - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	N/A	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

Sub-total  Total for all	\$234,829.00 \$5,139,078.43	\$222,749.42 \$2,769,235.16	N/A N/A	\$79,917.28 \$2,018,034.55	N/A 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
Prepare request for Special Temporary Authorization	\$4,100.00	\$3,000.00	N/A	\$350.00	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	\$319.50	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
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$3,750.00	N/A
engineering section of FCC Form 2100 (main), Construction Permit Application		\$3,000.00			

<u> </u>		
Actual Information Description	File Name	
Project management of the transition	Component Description: Amount:	Project Management \$1,955.70
	Component Description: Amount:	Project Management \$2,026.80
	Component Description: Amount:	Project Management \$57.00
	Component Description: Amount:	Project Management \$2,615.30
	Component Description: Amount:	Project Management \$4,119.85
	Component Description: Amount:	Project Management \$3,137.35
	Component Description: Amount:	Project Management \$3,282.10
	Component Description: Amount:	Project Management \$4,272.80

Component Description: Project

Management

Amount:

\$3,522.10

**Component Description:** 

Project

Amount:

Management \$2,058.15

**Component Description:** 

KZJL Project Management

Amount:

\$4,740.00

**Component Description:** 

Project Management

Amount:

\$1,144.50

**Component Description:** 

Project

Amount:

Management \$6,640.55

Component Description: Proje

Project

Amount:

Management

\$1,197.35

**Component Description:** 

Project

Amount:

Management \$1,297.05

**Component Description:** 

Project

Amount:

Management \$262.50

**Component Description:** 

Project

Amount:

Management

\$4,251.30

	Component Description: Amount:	Project Management \$3,167.75
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Component Description:	KZJL-550-Attorney - Prepare and File
<b>дрисацон</b>	Amount:	License to Cover (Main) \$702.00
Migratory Bird Assessment		
	Component Description:	Migratory Bird Assessment
	Amount:	\$109.38
	Component Description:	KZJL Field Engineering Services- Migratory
	Amount:	Bird Assessment \$218.75
RF System Test		
	Component Description: Amount:	RF System Test \$1,250.00
	Component Description:	KZJL Field Engineering Services- RF
	Amount:	System Test \$2,500.00

Site Coordination Meeting	Component Description:	KZJL Site Coordination	
	Amount:	Meeting \$625.00	
	Component Description: Amount:	Site Coordination Meeting \$312.50	
Additional Field Engineering Service, 10 Days	Information not provided.		
RF Exposure Measurements	Component Description:	RF Exposure Measurements	
	Amount:	\$937.50	
	Component Description:	KZJL Field Engineering Services- RF Exposure	
	Amount:	Measurements \$1,875.00	
ASR modification (prepare FCC Form 854)			
,	Component Description: Amount:	KZJL Attorney- ASR Modification \$83.33	
	Component Description: Amount:	ASR Modification \$41.67	
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	Component Description:	KZJL Attorney- NEPA Section 106 Environmental
		Review
	Amount:	\$675.00
	Component Description:	NEPA Section 106 environmental
	Amount:	review \$337.50
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.	
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Information not provided.	
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	Component Description:	Engineering Study for New Channel
аото ортонк	Amount:	Assignment \$1,250.00
	Component Description:	KZJL RF Eng- Engineering Study for New Channel
	I .	Assignment

Address transition timing and coordination issues w/ other stations and wireless	Component Description: Amount:	KZJL, Houston, TX Channel Repack \$317.25
	Component Description:	KZJL Transition Timing and
	Amount:	Coordination \$1,250.00
Prepare and or review reimbursement form	Component Description:	Legal services
	Amount:	\$319.50
Prepare request for Special Temporary Authorization	Component Description:	Consulting
		Engineer - J. Davis - Hourly (@ \$250
		/hr) \$350.00

Attorney Fees - Negotiation of lease and other matters for shared locations

Component Description: Total Professional

Services

**Amount:** \$4,625.10

Component Description: Legal Services

**Amount:** \$1,398.60

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:** \$2,316.60

#### **Other Expenses**

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$116,330.00	\$115,765.00		\$16,423.73	
Main Site Upgrades	\$11,375.00	\$11,375.00	See attached KZJL Main Transmitter Cost Estimate.	\$200.00	N/A
Site Security	\$7,875.00	\$7,875.00	Per ATC Invoice 460208944	\$5,906.25	N/A
MVPD Notification of Channel Change	\$2,000.00	\$2,000.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	\$15,000.00	\$15,000.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	\$25,000.00	\$25,000.00	N/A	\$5,124.99	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$25,000.00	\$25,000.00	Station Estimate	\$3,430.00	N/A
Non-zoning permits	\$8,000.00	\$8,000.00	N/A	\$999.99	N/A
Local Zoning	\$10,000.00	\$10,000.00	N/A	\$562.50	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	\$325.00	N/A	\$200.00	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	N/A	N/A
Sub-total	\$116,330.00	\$115,765.00	N/A	\$16,423.73	N/A
Total for all systems	\$5,139,078.43	\$2,769,235.16	N/A	\$2,018,034.55	N/A

Actual Information Description	File Name	
Main Site Upgrades		
	Component Description:	Consulting Engineer - J. Davis - Hourly (@ \$250/hr)
	Amount:	\$200.00
Site Security		
	Component Description:	KZJL Site
		Security
	Amount:	\$3,937.50
	Component Description:	Site Security
	Amount:	\$1,968.75
MVPD Notification of Channel Change	Information not provided.	

Develop and air announcement of upcoming channel change	Information not provided.	
Equipment Delivery and Handling Charges	Component Description:	KZJL Equipment Delivery
	Amount:	\$3,416.66
	Component Description:	Equipment
	Amount:	Delivery \$1,708.33
Disposal Costs (for		
equipment and other waste, net of any salvage value)	Component Description:	Demolition of Electrical Gear
	Amount:	\$3,430.00
Non-zoning permits		
	Component Description:	KZJL Non-Zoning Permits
	Amount:	\$666.66
	Component Description:	Non-Zoning
	Amount:	Permits \$333.33
Local Zoning		
	Component Description:	KZJL Local
	Amount:	Zoning \$375.00
	, and and	<b>40.0.00</b>
	Component Description: Amount:	Local Zoning \$187.50
	AIIIVUIII.	ψ107.30
FCC Filing Fees - Special Temporary Authorization request	Information not provided.	

FCC Filing Fees - Form 2100		
license to cover application	<b>Component Description:</b>	KZJL-610-FCC
		Filing Fee -
		License to Cover
	Amount:	\$200.00
DTV/ Modical Facility	Information not provided	
DTV Medical Facility Notification	Information not provided.	

#### **Grand Total**

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$5,139,078.43	\$2,769,235.16	\$2,018,034.55

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

Section Question Response

## Submission of Estimated Expenses Statements

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.

- 1. The Authorized
  Person signing
  below certifies that he
  /she is authorized to
  submit this TV
  Broadcaster
  Relocation Fund
  Reimbursement
  Form on behalf of
  the above-named
  entity.
- 2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.
- 3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.

- 4. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (broadcasters) or to continue to carry the signal of a broadcaster that changes channels (MVPD).
- 5. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
- 6. The above-named entity certifies that it will maintain and provide to the Commission detailed records, including receipts, of all costs eligible for reimbursement actually incurred.
- 7. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.

I declare, under penalty of perjury, that I am an authorized representative of the abovenamed applicant for the Authorization(s) specified above. Michael Everett Todd Chief Engineer

08/06/2019

Section Question Response

# Submission of Actual Cost Documentation Statements

WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISIONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).

- 1. The Authorized
  Person signing
  below certifies and
  represents that he
  /she is authorized to
  submit this TV
  Broadcaster
  Relocation Fund
  Reimbursement
  Form on behalf of
  the above-named
  entity.
- The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.
- The above-named entity acknowledges that all certifications and attached documentation are considered material representations.

- 4. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.
- 5. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (full power and Class A stations) and/or otherwise modify a television station's facility as a result of the spectrum repack (LPTV/TV Translator stations); or to minimize service disruption resulting from a repacked television station (FM stations); or to continue to carry the signal of a broadcaster that changes channels (MVPD).
- 6. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
- 7. The above-named entity certifies that the cost information /documents submitted reflect costs actually incurred.

- 8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.
- 9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.

I declare, under penalty of perjury, that I am an authorized representative of the abovenamed applicant for the Authorization(s) specified above. Michael
Everett
Todd
Chief
Engineer

08/06/2019

#### **Attachments**