

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility ID:	69531	Service: DTV	Call Sign:	KZJL	Channel: 21 (UHF)
File Number:	000002	8770			
FRN: 00 '	16264616	Date Submitted:	02/18 /2020		

Applicant Name, Type, and Contact Information

Applicant 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 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	Question	Response
Information and Transition Plan	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

uxiliary	Add Transmitter Information							
ransmitter	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					

Add Transmitter Information

Auxiliary	New Transmitter Costs								
Transmitter	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.						

Other Transmitter Costs Auxiliarv

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Transm	itter

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

Existing Transmitter Information

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.	

Other Transmitter Costs

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	
			1	

	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 necessary for HVAC Equipment
	per tower owner.

Antennas Section		Question	Response
Antenna Rela	ated Expenses	Do you have antenna related expenses?	Yes

Primary Antenna	Existing Antenna Information			
	Section	Question	Response	
	Existing Antenna	Type of change	Lease New	
	Description	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	
		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

Primary	New Antenna Costs			
Antenna	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	
		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.

Primary Antenna	Other Antenna Costs			
	Section	Question	Response	
	Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	Yes	
		Туре	New	
		Number of channels supported	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	

Other Antenna Costs

Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Other Antenna Cost Not Listed

Primary Antenna

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

Transmissior	n Seffien	Question	Response
	Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

Primary	Existing Transmission Line			
Transmissio	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	Manufacturer		
	Line Manufacturer and Type	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	

Existing Transmission Line

Primary	New Transmission Line		
Transmissio	New Transmission Line Costs	Question	Response
		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 Line Description

5101	'Name	Description
	Nitrogen Generator	For transmission line protection and dehydration

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

Auxiliary	Add Tower			
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

Facility ID	Call Sign	Service
53847	KXLN-DT	DTV
31870	KYAZ	DTV
28324	KTBU	DTV
51569	КТХН	DTV
11969	KBXX	FM
9625	KQBT	FM
13200	KUVM-CD	DTV
11971	KMJQ	FM

Other Types of Users

Users

142962 K236AR

57189 KHLM-LD

7079 KCVH

Wireless 2

Wireless 1

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

Other Tower Expenses Not Listed

Auxiliary Tower Information not provided.

Primary	Existing Tower			
Tower	Section	Question	Response	
	Existing Tower	Type of change	Modify Existing	
	Description	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
53847	KXLN-DT	DTV
9625	KQBT	FM
11969	KBXX	FM
11971	KMJQ	FM
13200	KUVM-CD	DTV
22204	KRIV	DTV
28324	KTBU	DTV
51569	КТХН	DTV
31870	KYAZ	DTV

Other Types of Users

Users

Wireless 2

142962 K236AR

57189 KHLM-LD

7079 KCVH

Wireless 1

Tower Modification Costs Primary

Tower

Section

Question

Response

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

Primary Tower Rigging Costs

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

Other Tower Expenses Not Listed

Primary Tower

Name	Description
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
Tower Permit Drawings	Tower Permit Drawing Package
Construction Management	Construction project management - Tower Modification reinforcements and facilities

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

Other Professional Services Expenses Not Listed Outside

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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	Section	Question	Response
Expenses	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 Not Listed

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.	

Transmitters

Cost Information

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 \$1,670,720.57	Estimated Cost \$1,442,185.31	Estimated Cost Justification	Actual Cost \$1,350,245.14	Actual Cost Justification
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
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

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
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 Building Addition Size: 1500.0	\$44,849.86	\$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
Ice Shield for HVAC Equipment	\$8,000.00	\$8,000.00	See attached KZJL Main Transmitter Cost	\$6,000.00	N/A
			Estimate.		
Auxiliary Transmitter UAXTE-2R37	\$179,300.00	\$171,050.00		\$88,150.29	

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.	\$7,500.00	\$7,500.00	N/A	N/A	N/A
Transformer 3 phase/480v - 150 KVA	\$25,550.00	\$24,300.00	N/A	N/A	N/A
UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW	\$126,000.00	\$120,000.00	N/A	\$88,150.29	N/A
Sub-total	\$1,850,020.57	\$1,613,235.31	N/A	\$1,438,395.43	N/A
Total for all systems	\$5,136,123.57	\$2,766,490.30	N/A	\$2,084,148.23	N/A

Components

Actual Information Description	File Name	
Other HVAC Service Type: C Size:20 (Other)	Component Description:	Install new 20T condenser 460- 480v 3 Phase and
	Amount:	AHU \$42,204.03

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	Component Description: Amount:	KZJL 1st Primary Transmitter- Other Electrical Service \$833.34
from local electrical contractors.	Component Description: Amount:	New Electrical Sub Panels \$416.67
2" Rigid Conduit and Wiring (Cost per foot)		
	Component Description:	Capital contribution- Missouri City/30285 /Asset#30285-BTI /OAA718460/ KZJL Channel 21 Phase 2/ Milestone 1/ Broadcast Repack
	Amount:	\$2,083.33
	Component Description: Amount:	Relocate conduits on office wall \$1,500.00
	Component Description: Amount:	Capital contribution - Missouri City \$4,166.66
Transformer 3 phase/480v - 300 KVA	Information not provided.	

Switchgear - industrial 800		
amp	Component Description:	KZJL 1st Primary
		Transmitter- 800
		Amp Switchgear
	Amount:	\$6,050.00
	Component Description:	Reference KZJL-
		110-1st Primary
		Transmitter - 25
		Ton HVAC System
		American Tower
		LLC 460200428
	Amount:	\$3,025.00

State Transmitter 35 - 50 kW	Component Description:	1st Primary Transmitter - UHI Liquid Cooled Solid State
	Amount:	\$442,479.93
	Component Description:	"Transmitter Mas Filter System RF Accessories"
	Amount:	\$217,173.92
	Component Description:	New Primary Transmitter ULXTE-72
	Amount:	Transmitter \$495,924.05
	Component Description:	25% Down payment for 1st
	Amount:	Primary Transmit \$22,024.98
	Component Description:	Installation and Proof per Quote (76297
	Amount:	\$92,314.35

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

UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW	Component Description:	lst Auxiliary Transmitter- UHF
		Air Cooled Solid State
	Amount:	\$22,634.03
	Component Description:	UAXTE-2
		Transmitter
	Amount:	\$26,172.78
	Component Description:	Installation
		Services
	Amount:	\$11,011.45
	Component Description:	New Auxiliary
		Transmitter Down
		Payment
	Amount:	\$28,332.03

Antennas

Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification		Actual Cost Justification
Primary Antenna PEPL42C	\$419,780.00	\$245,809.00		\$159,356.46	
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
New combiner, cost per channel (without antenna)	\$84,200.00	\$44,562.00	N/A	\$31,338.11	N/A
Combiner output splitting /switching for dual feed lines, if applicable	\$126,000.00	\$0.00	N/A	N/A	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 Space	\$33,333.00	\$33,333.00	N/A	\$2,083.33	N/A
Combiner HVAC	\$24,667.00	\$24,667.00	N/A	\$18,500.01	N/A
Sub-total	\$419,780.00	\$245,809.00	N/A	\$159,356.46	N/A
Total for all systems	\$5,136,123.57	\$2,766,490.30	N/A	\$2,084,148.23	N/A

Actual Information Description	File Name	
Sweep test of existing antenna	Component Description: Amount:	Sweep Test \$1,666.67
	Component Description:	KZJL Primary Antenna- Sweep Test
	Amount:	\$3,333.34

UHF - High Power Top Mount Three Station broadband panel antenna elliptically or circularly polarized	Component Description:	KZJL Primary Antenna- UHF High Power Top Mount Broadband
	Amount:	Antenna \$64,000.00
	Component Description:	UHF High Power Top Mount broadband
	Amount:	\$32,000.00
New combiner, cost per channel (without antenna)	Component Description: Amount:	Combiner and Installation \$9,057.15
	Component Description: Amount:	KZJL Primary Antenna- Combiner \$22,280.96
Combiner output splitting /switching for dual feed lines, if applicable	Information not provided.	
Elbow complex, broadband, at antenna input, per 7 3/16. feedline (if needed)	Component Description:	KZJL Primary Antenna- Elbow Complex 7 3/16in
	Amount:	\$4,290.00
	Component Description:	Elbow Complex 7 3/16"
	Amount:	\$2,145.00

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

Transmission Line

Cost Information

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	\$5,136,123.57	\$2,766,490.30	N/A	\$2,084,148.23	N/A

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

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

Tower Equipment and Rigging Costs

Cost Information

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	\$5,136,123.57	\$2,766,490.30	N/A	\$2,084,148.23	N/A

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

Tower Permit Drawings \$1,175.00 KZJL Primary Tower- Tower Permit Drawings \$2,350.00 Tower Mapping for an Undocumented /Poorly Documented Tower \$1,550.00 KZJL Primary Tower- Tower
\$1,175.00 KZJL Primary Tower- Tower Permit Drawings \$2,350.00 Tower Mapping for an Undocumented /Poorly Documented Tower \$1,550.00 KZJL Primary
KZJL Primary Tower- Tower Permit Drawings \$2,350.00 Tower Mapping for an Undocumented /Poorly Documented Tower \$1,550.00
Tower- Tower Permit Drawings \$2,350.00 Tower Mapping for an Undocumented /Poorly Documented Tower \$1,550.00 KZJL Primary
Permit Drawings \$2,350.00 Tower Mapping for an Undocumented /Poorly Documented Tower \$1,550.00 KZJL Primary
\$2,350.00 Tower Mapping for an Undocumented /Poorly Documented Tower \$1,550.00 KZJL Primary
Tower Mapping for an Undocumented /Poorly Documented Tower \$1,550.00 KZJL Primary
an Undocumented /Poorly Documented Tower \$1,550.00 KZJL Primary
an Undocumented /Poorly Documented Tower \$1,550.00 KZJL Primary
/Poorly Documented Tower \$1,550.00 KZJL Primary
Documented Tower \$1,550.00 KZJL Primary
\$1,550.00 KZJL Primary
KZJL Primary
•
•
Tower-Tower
Mapping for an
Undocumented
/Poorly
Documented
Tower
\$3,100.00
KZJL Primary
Tower- Structural
Analysis
\$2,375.00
Structural Analysis

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
	Amount:	Rigging \$60,863.79
	Amount.	400,000.70
Major tower reinforcement /modifications	Information not provided.	
Tall Tower (greater than 500')	Information not provided.	

Outside Professional Services

Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justificatior
Outside Professional Services	\$242,659.00	\$230,579.42		\$110,358.93	
Migratory Bird Assessment	\$438.00	\$438.00	N/A	\$328.13	N/A
RF System Test	\$12,830.00	\$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	\$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
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	\$72,359.80	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

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	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
Prepare request for Special Temporary Authorization	\$4,100.00	\$3,000.00	N/A	\$350.00	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
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 - 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	invoice

Attorney Fees - Prepare and File request for Special Temporary Authorization	\$7,360.00	\$7,000.00	N/A	\$0.00	N/A
Sub-total	\$242,659.00	\$230,579.42	N/A	\$110,358.93	N/A
Total for all systems	\$5,136,123.57	\$2,766,490.30	N/A	\$2,084,148.23	N/A

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

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

RF Exposure Measurements	Component Description: Amount:	KZJL Field Engineering Services- RF Exposure Measurements \$1,875.00
	Component Description: Amount:	RF Exposure Measurements \$937.50
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 review
	Amount:	\$337.50

Address transition timing and coordination issues w/ other stations and wireless	Component Description: Amount:	KZJL, Houston, TX Channel Repack \$317.25
	Component Description: Amount:	KZJL Transition Timing and Coordination \$1,250.00
Prepare and or review reimbursement form	Component Description: Amount:	Legal services \$319.50
Project management of the transition	Component Description: Amount:	Project Management \$3,167.75
	Component Description: Amount:	Project Management \$2,615.30
	Component Description: Amount:	Project Management \$3,522.10
	Component Description: Amount:	Project Management \$4,119.85
	Component Description: Amount:	Project Management \$3,137.35

Component Description: Amount:	Project Management \$4,461.00
Component Description: Amount:	Project Management \$4,306.95
Component Description: Amount:	Project Management \$3,282.10
Component Description: Amount:	Project Management \$4,272.80
Component Description: Amount:	Project Management \$2,931.60
Component Description: Amount:	Project Management \$6,006.15
Component Description: Amount:	Project Management \$659.20
Component Description: Amount:	Project Management \$4,246.75
Component Description: Amount:	Project Management \$1,297.05

Component Description: Amount:	Project Management \$1,197.35
Component Description: Amount:	Project Management \$2,026.80
Component Description: Amount:	Project Management \$1,955.70
Component Description: Amount:	KZJL Project Management \$4,740.00
Component Description: Amount:	Project Management \$2,058.15
Component Description: Amount:	Project Management \$1,144.50
Component Description: Amount:	Project Management \$4,251.30
Component Description: Amount:	Project Management \$57.00
Component Description: Amount:	Project Management \$6,640.55

	Component Description: Amount:	Project Management \$262.50
Perform engineering study for new channel assignment and antenna development	Component Description:	KZJL RF Eng- Engineering Study for New Channel Assignment
	Amount:	\$2,500.00
	Component Description:	Engineering Study for New Channel Assignment
	Amount:	\$1,250.00
Prepare engineering section of 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 request for Special Temporary Authorization	Component Description:	Consulting Engineer - J. Davis - Hourly (@ \$250 /hr)
	Amount:	\$350.00
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Information not provided.	

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

Other Expenses

Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$116,619.00	\$116,264.00		\$27,961.73	
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
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	\$535.00	see Estimated Cost Justification KZJL-610- FCC Filing Fee - License to Cover v0	\$535.00	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	\$8,914.00	N/A
Non-zoning permits	\$8,000.00	\$8,000.00	N/A	\$999.99	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
Equipment Delivery and Handling Charges	\$25,000.00	\$25,000.00	N/A	\$5,124.99	N/A
Develop and air announcement of upcoming channel change	\$15,000.00	\$15,000.00	N/A	N/A	N/A
MVPD Notification of Channel Change	\$2,289.00	\$2,289.00	Please see 12.6.19 ECJ v0	\$2,289.00	N/A
Sub-total	\$116,619.00	\$116,264.00	N/A	\$27,961.73	N/A
Total for all systems	\$5,136,123.57	\$2,766,490.30	N/A	\$2,084,148.23	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: Amount:	Site Security \$1,968.75
	Component Description: Amount:	KZJL Site Security \$3,937.50
_ocal Zoning		
	Component Description: Amount:	Local Zoning \$187.50
	Component Description:	KZJL Local
	Amount:	Zoning \$375.00
FCC Filing Fees - Special Temporary Authorization request	Information not provided.	
FCC Filing Fees - Form 2100 license to cover		
application	Component Description:	KZJL-610-FCC Filing Fee -
	Amount:	License to Cover \$200.00
	Component Description:	Total Professional
	Amount:	Services \$335.00
DTV Medical Facility		
Notification	Component Description:	DTV Notification
	Amount:	Service \$8,914.00

Non-zoning permits	Component Description: Amount:	KZJL Non-Zoning Permits \$666.66
	Component Description: Amount:	Non-Zoning Permits \$333.33
Disposal Costs (for equipment and other waste, net of any salvage value)	Component Description: Amount:	Demolition of Electrical Gear \$3,430.00
Equipment Delivery and Handling Charges	Component Description: Amount:	Equipment Delivery \$1,708.33
	Component Description: Amount:	KZJL Equipment Delivery \$3,416.66
Develop and air announcement of upcoming channel change	Information not provided.	
MVPD Notification of Channel Change	Component Description: Amount:	MVPD Notification Services \$2,289.00

Cost Information	Grand Total				
		Predetermined Cost Estimate	Estimated Cost	Actual Cost	
	Total for all systems	\$5,136,123.57	\$2,766,490.30	\$2,084,148.23	

Reimbursem	entestiatus	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
	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. 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).
- 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

Certification	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).
- 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.	
an au name	are, under penalty of perjury, that I am thorized representative of the above- d applicant for the Authorization(s) ried above.	Michael Everett Todd Chief Engineer

Attachments

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