

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility	35525	Service: DTV	Call	KQDS-TV	Channel: 18 (UHF)
ID:			Sign:		
File	000002	7522			
Number:					
FRN: 00	34576454	Date	02/14		
		Submitted:	/2019		

Applicant Name, Type, and Contact Information

Applicant Information

Applicant	Address	Phone	Email	Applicant Type
KQDS ACQUISITION CORP. Doing Business As: KQDS ACQUISITION CORP.	Kathy Lau P. O. BOX 9115 FARGO, ND 58106 United States	+1 (701) 277-1515	KLAU@KVRR. COM	Corporation

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
	The Preparer is same as the reimbursement contact.			

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.	No
Briefly describe transition plan	1. Design, engineer and plan. 2. Install interim transmitter and antenna. 3. Decommission existing transmitter and associated appurtenances operating on channel 17. 4. Build new transmitter and associated appurtenances operating on channel 18.

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

Primary	Add Transmitter Information				
Transmitter	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	DCX Millennium		
		Year	2006		
		Туре	Inductive Output Tube		
		IOT Power Type	Three		
		Power Capacity	76.1 kW		

Primary	New Transmitter Costs				
Transmitter	Section	Question	Response		
	New Transmitter	Use	Primary (Main)		
		Change Type	Purchase New		
		Is this a request for upgraded equipment?	Yes		
		Manufacturer			
		Model	HPTV- PARLX-U48		
		Transmitter Type	Solid State		
		Solid State Cooling	Liquid Cooled		
		Solid State Power capacity	76.1 kW		
		Justification for New Transmitter	Comark has sent notification that the DCX series has reached end of life status. See attachment "Comark EOL" for details The cost to purchase a solid state transmitter is lower than the cost to replace with IOT. See attachment "Comark IOT Quote"		

Primary	Other Transmitter Costs				
Transmitter	Section	Question	Response		
	Electrical Service	Service Entrance (3 phases 800A 208V)	No		
		Switchgear (industrial 800 amp)	Yes		
		Transformer (480V)	No		
		Power	N/A		
		Rigid Conduit and Wiring	Yes		
		Size	4 inches		
		Length			
		Other Electrical Service	No		
		Description	N/A		
	HVAC Service	Does the replacement transmitter require HVAC Service?	No		
		Туре	N/A		
		Size	N/A		
		Other Size	N/A		
	Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No		
		Size N/A	N/A		
	Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A		
		Is a channel 14 Mask Filer needed?	N/A		
		Is additional field engineering time needed?	N/A		
		Number of Days	N/A		

Primary Transmitter	Other Transmitter Cost Not Listed			
	Name	Description		
	Site Visit	Layout and design of installation includes sweep of old feedline		

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Interim	New Transmitter Costs			
Transmitter	Section New Transmitter	Question	Response	
		Use	Interim	
		Description of Use	N/A	
		Change Type	Purchase	
		Manufacturer		
		Model	HPTV- PRLX-U12	
		Transmitter Type	Solid State	
		Solid State Cooling	Liquid Cooled	
		Solid State Power capacity	25 kW	
		Justification for New Transmitter	This will minimize service interruption and keep us on the air while the main transmitter is built on the new channel.	

Other Transmitter Costs

Interim

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

	Length	50.0 feet
	Other Electrical Service	Yes
	Description	Install AC mains feed to the interim transmitter.
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Туре	Heating and Cooling
	Size	10 tons
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A
Inside RF System	Is an additional interior RF system required to support this interim transmitter?	Yes

Interim Other Transmitter Cost Not Listed

Transmitter	Name	Description
	State and Local Taxes	MN State and City Sales Taxes

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

Primary	Existing Antenna Information			
Antenna	Section	Question	Response	
	Existing Antenna Description	Type of change	Purchase New	
		Antenna Use	Primary (Main)	
		Description of Use	N/A	
		Ownership	Owned	
		Owner	N/A	
		Site	N/A	
		Is the existing antenna shared with another station or stations?	No	
		Is the existing antenna directional?	No	
		Is antenna in operating condition?	Yes	
		Is antenna located on or in close proximity to an antenna farm?	Yes	
	Existing Antenna Manufacturer and Type	Class	Full Power	
		Mounting	Top Mount	
		Antenna position in stack	Тор	
		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- 20GTH-R 04
Year	2006

Primary	New Antenna Costs			
Antenna	Section	Question	Response	
	New Antenna Description	Use	Primary (Main)	
		Description of Use	N/A	
		Change Type	Purchase New	
		Is this a request for upgraded equipment?	Yes	
		Ownership	Owned	
		Owner	N/A	
		Is antenna shared?	No	
		Is antenna directional?	No	
		Will antenna be located on or in close proximity to an antenna farm?	Yes	
	New Antenna Manufacturer and Types	Class	Full Power	
		Mounting	Top Mount	
		Antenna position in stack	Тор	
		Polarization	Elliptical	
		Туре	Slotted Coaxial	
		Number of Stations Supported	N/A	
		Number of Panels/Bays	N/A	
		Lower Limit	N/A	
		Upper Limit	N/A	
		Design power capacity in use	N/A	
		Other Antenna Type	N/A	
		ERP: (Effective Radiated Power)	1000.0 kW	
		Manufacturer		

Model	TFU- 28GTH O44
Year	2018
Justification for New Antenna	Current antenna is single channel operation on channel 17. We will require an antenna capable of transmitting on channel 18.

Primary Other Antenna Costs

Antenna	Section	Question	Response
	Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
		Туре	
		Number of channels supported	N/A
		Frequencies of channels supported	N/A
		Frequency	N/A
		Do you need a combiner output splitter /switcher for dual feed lines?	N/A
	Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
		Broadband or Single Channel?	Single Channel
		Feed Line Size	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

Primary Antenna

Other Antenna Cost Not Listed			
Name	Description		
Support pole	to maintain current center of radiation		
State and Local Taxes	State and local sales tax, est. 8.375%		
Top Plate Adapter	Top Plate Adapter to match tower top and antenna bolt pattern.		

Interim	New Antenna Costs			
Antenna	Section	Question	Response	
	New Antenna Description	Use	Interim	
		Description of Use	N/A	
		Change Type	Purchase New	
		Ownership	Owned	
		Owner	N/A	
		Is antenna shared?	No	
		Is antenna directional?	Yes	
		Will antenna be located on or in close proximity to an antenna farm?	Yes	
	New Antenna Manufacturer and Type	Class	Full Power	
		Mounting	Side Mount	
		Antenna position in stack	Not in Stack	
		Polarization	Elliptical	
		Туре	Slotted Coaxial	
		Number of Stations Supported	N/A	
		Number of Panels/Bays	N/A	
		Lower Limit	N/A	
		Upper Limit	N/A	
		Design power capacity in use	N/A	
		Other Antenna Type	N/A	
		ERP: (Effective Radiated Power)	612.3 kW	
		Manufacturer		
		Model	TFU- 22JSC/ VP- R C170	

Year	2017
Justification for New Antenna	This will minimize service interruption and keep us on the air while the main transmitter is built on the new channel.

Other Antenna Costs Interim

Antenna

Section	Question	Response
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	S
	Feed Line Size	6 1/8 inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an antenna?	Yes
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Interim Antenna Description Name Ice Shield for Interim Antenna Protect Interim antenna from falling ice and debris **State and Local Taxes** State sales tax, local sales tax. Estimate 8.375%

Other Antenna Cost Not Listed

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

Primary Transmissio	Existing Transmission Line			
	n Line Section	Question	Response	
	Existing Transmission Line Description	Type of change	Purchase New	
		Use	Primary (Main)	
		Description of Use	N/A	
		Ownership	Owned	
		Owner	N/A	
Existing Transmission Line Manufacturer and Type		Site	N/A	
		Is the existing transmission line shared with another station or stations?	No	
		Is Transmission Line in operating condition?	Yes	
	_	Manufacturer		
		Туре	Rigid	
		Diameter	6 1/8 inches	
		Other Diameter	N/A	
		Segment Length	19 1/2 inches	
		Other Segment Length	N/A	
		Number of parallel runs	1	
		Length	900 feet per run	

Primary	New Transmission Line			
Transmissio	n Line Section	Question	Response	
	New Transmission Line Costs	Use	Primary (Main)	
		Description of Use	N/A	
		Change Type	Purchase New	
		Is this a request for upgraded equipment?	No	
		Туре	Rigid	
		Diameter	6 1/8 inches	
		Other Diameter	N/A	
		Segment Length	20 inches	
		Other Segment Length	N/A	
		Number of parallel runs	1	
		Length	40 feet per run	
		Justification for New Transmission Line	Change in line run	

Other Transmission Line Expenses Not Listed Transmission Line Descript

nissio	Name	Description
	Changes to Transmission line run	Addition parts for changes to line runs
	State and Local Taxes	state and local sales taxes

Interim Transmissio	New Transmission Line		
	n Section	Question	Response
	New Transmission Line	Use	Interim
	Costs	Description of Use	N/A
		Change Type	Purchase New
		Туре	Rigid
		Diameter	6 1/8 inches
		Segment Length	19 ½ '
		Other Segment Length	
		Number of parallel runs	1
		Length	800 feet per run
		Justification for New Transmission Line	This will minimize service interruption and keep us on the air while the main transmitter is built on the new channel.

Interim Transmission Line Expenses Not Listed Description State and Local Taxes State and loc

State and Local Taxes	State and local sales tax, est. 8.375%
Dehydrator and RF scout	Keeps line pressure and measures RF levels

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

Primary Tower	Add Tower			
	Section	Question	Response	
	Existing Tower	Type of change	Modify Existing	
	Description	Tower Use	Primary (Main)	
		Description of Use	N/A	
		Ownership	Owned	
		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	No	
		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?	No	
		ASR Number		
	Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	46° 47' 37.0" N-	
		Longitude (NAD83)	092° 07' 04.0" W-	
		Overall Structure Height	789.03 feet	
		Support Structure Height	693.56 feet	
		Ground Elevation Above Mean Sea Level (AMSL)	1236.86 feet	

	Structure Type	TOWER - Free Standing or Guyed Structure
	Tower Owner	KODS ACQUISITION CORP.
	Date Constructed	11/09/1999

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
65660	KQDS-FM	FM

Primary Tower Modification Costs

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

Primary Tower Rigging Costs

Tower

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
State and Local Taxes	State and local sales taxes, est. 8.75%

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

		1
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	No
	FAA Consultation (including preparation of FAA Form 7460)	No
	Negotiation of Lease and other Matter for Shared Locations	No
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	Yes
RF Field Engineering Services	Comprehensive coverage verification via field study	Yes
	RF exposure measurements	No
	Additional Field Engineering Service	Yes
	Number of Days	2
	Justification	Sweep Line and confirm re-usability of any existing components.

Other Professional Services Expenses Not Listed Professional Services roopstsided.

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	No
		Non-zoning permits	No
		BLM or NFS Coordination	No
		FCC Construction Permit Minor Change	No
		FCC License to Cover Application	Yes
		FCC Special Temporary Authority Application	Yes
	Other Miscellaneous Expenses	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	Yes
		Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	Yes
		Does this relocation require Equipment Storage?	Yes
		Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?	Yes
		Does this relocation require MVPD Notification of a Channel Change?	Yes

Other Expenses Not Listed

Other

Other		
Expenses	Name	Description
	Employee Time	Recover salary expenses for time spent on repack project.
	Modify Receive Antenna at Translator Site	To increase signal strength received at the remote headend sites, due to low power /interim operation during the transition.
	State And Local Taxes	State and local Sales Tax @ 8.375%
	Portable Restrooms	Meet requirements for construction site restrooms

Transmitters

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
Interim Transmitter HPTV- PRLX-U12	\$1,218,805.00	\$817,355.00		\$705,277.63	
State and Local Taxes	\$70,505.00	\$70,505.00	N/A	\$52,385.63	N/A
UHF inside RF system including switching	\$147,500.00	\$140,000.00	N/A	\$126,000.00	N/A
10 Ton system	\$38,900.00	\$37,000.00	N/A	\$12,542.00	N/A
Other Electrical Service: Install AC mains feed to the interim transmitter.	\$13,600.00	\$13,600.00	See attachment titled "Electrical Quote KQDS-TV Repack".	\$13,600.00	N/A
2" Rigid Conduit and Wiring (Cost per foot)	\$1,300.00	\$1,250.00	N/A	\$1,250.00	N/A
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	\$947,000.00	\$555,000.00	N/A	\$499,500.00	N/A

Primary Transmitter HPTV- PARLX-U48	\$2,153,765.00	\$2,150,865.00		\$1,870,986.00	
Site Visit	\$16,400.00	\$16,400.00	Determine placement, design and installation plan Sweep existing line	\$16,400.00	N/A
State and Local Taxes	\$178,965.00	\$178,965.00	N/A	\$144,586.00	N/A
4" Rigid Conduit and Wiring (Cost per foot)	\$20,200.00	\$19,200.00	N/A	N/A	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 76.1 kW	\$1,900,000.00	\$1,900,000.00	N/A	\$1,710,000.00	30% Down
Sub-total	\$3,372,570.00	\$2,968,220.00	N/A	\$2,576,263.63	N/A
Total for all systems	\$5,255,217.59	\$4,807,851.54	N/A	\$3,952,755.15	N/A

Components

Actual Information	
Description	File Name

State and Local Taxes		
	Component Description:	State taxes for interim transmitter
	Amount:	inside RF system \$3,517.50
	Component Description:	State tax on 60% of the quote for the
	Amount:	interim transmitter \$27,888.75
	Component Description:	State tax on 60% of quote for UHF inside plant system
	Amount:	\$7,035.00
	Component Description:	State taxes for down payment of
	Amount:	interim transmitter \$13,944.38
JHF inside RF system		
noticeling switching	Component Description:	30% down of interim transmitter inside RF system
	Amount:	\$42,000.00
	Component Description:	60% of Comark quote due prior to
	Amount:	shipping \$84,000.00

10 Ton system		
	Component Description:	Final payment for A /C installation interim transmitter
	Amount:	\$4,771.00
	Component Description:	50% of the Quote for A/C Gartner
	Amount:	Refrigeration \$4,771.00
	Component Description:	Invoice for work to roll back ice screen during A/C install
	Amount:	\$3,000.00
Other Electrical Service: Install AC mains feed to the	Component Description:	50% down
interim transmitter.	component bescription.	payment for electrical work on interim transmitter
	Amount:	\$6,800.00
	Component Description:	Invoice for Hunt Electric interim
	Amount:	Quote \$6,800.00
2" Rigid Conduit and Wiring		
(Cost per foot)	Component Description:	Invoice from Hunt Electric Interim quote.
	Amount:	\$625.00
	Component Description:	50% down for the
		electrical work on the interim transmitter
	Amount:	\$625.00

UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	Component Description: Amount:	30% down payment of Interim transmitter \$166,500.00
	Component Description: Amount:	60% of quote due prior to shipping interim transmitter \$333,000.00
Site Visit	Component Description: Amount:	Site Survey \$16,400.00
State and Local Taxes	Component Description: Amount:	State Tax \$1,373.50
	Component Description:	State tax on 60% of quote for Primary
	Amount:	Transmitter \$95,475.00
	Component Description: Amount:	State tax for down payment of primary transmitter \$47,737.50
4" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	
Switchgear - industrial 800 amp	Information not provided.	

UHF - Liquid Cooled Solid State Transmitter 76.1 kW	Component Description:	Primary Transmitter
	Amount:	\$570,000.00
	Component Description:	60% of quote due
		prior to shipping
		Primary
		Transmitter
	Amount:	\$1,140,000.00

Antennas

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 \$243,324.00	Estimated Cost \$239,725.00	Estimated Cost Justification	Actual Cost \$211,206.13	Actual Cost Justification
Antenna TFU- 22JSC/ VP- R C170	<i>\$243,324.00</i>	¥233,123.00		<i>¥</i> 211,200.13	
State and Local Taxes	\$22,634.00	\$22,634.00	8.375% of estimated costs	\$15,760.23	N/A
Ice Shield for Interim Antenna	\$8,000.00	\$8,000.00	N/A	\$7,264.00	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$18,615.00	N/A	\$16,753.50	N/A
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$13,566.00	Per quote	\$12,209.40	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$5,760.00	N/A

UHF - High Power, Side Mount, basic slot\$170,510.00N/A\$153,459.00N/ASide Mount, basic slot antenna, G12 kW\$170,510.00N/A\$153,459.00N/AGide Mount, odirectonal, elliptically or circularly polarized\$444,341.99\$384,340.99\$345,906.88XFrimary GLOAT Taxes\$29,701.09\$.375% of estimated\$26,730.98N/AState and Local Taxes\$29,701.09\$.375% of estimated\$26,730.98N/AGorp Plate Adapter\$20,740.00Unable to re-use the existing antenna adapter plate to mount the new antenna.\$18,666.00N/ASupport pole\$83,770.90N/A\$75,333.80N/AElbow complex, single channel, at input, per 7 316.\$13,900.00\$15,878.00Per Quote\$14,290.20N/ASweep test eedline (if\$6,730.00\$6,400.00N/A\$5,760.00N/A						
Antenna TFU-28GTH OAAState and Local Taxes\$29,701.09\$29,701.098.375% of estimated costs\$26,730.98N/ATop Plate Adapter\$20,740.00Unable to re-use the existing antenna adapter plate to mount the new antenna.\$18,666.00N/ASupport pole\$83,770.90\$83,770.90N/A\$75,393.80N/AElbow complex, single channel, at antenna input, per 7 3/16.\$13,900.00\$15,878.00Per Quote\$14,290.20N/ASweep test of existing\$6,730.00\$6,400.00N/A\$5,760.00N/A	Power, Side Mount, basic slot antenna, 612 kW input, directional,, elliptically or circularly	\$170,510.00	\$170,510.00	N/A	\$153,459.00	N/A
Local TaxesImage: CostsTop Plate Adapter\$20,740.00\$20,740.00Unable to re-use the existing antenna adapter plate to mount the new antenna.\$18,666.00N/ASupport pole\$83,770.90\$83,770.90N/A\$75,393.80N/AElbow complex, single channel, at antenna input, per 7 3/16.\$13,900.00\$15,878.00Per Quote\$14,290.20N/ASweep test of existing\$6,730.00\$6,400.00N/A\$5,760.00N/A	Antenna TFU-28GTH	\$444,341.99	\$384,340.99		\$345,906.88	
AdapterImage: Adapter existing antenna adapter plate to mount the new antenna.Support pole\$83,770.90N/A\$75,393.80N/AElbow complex, single channel, at antenna input, per 7 3/16. feedline (if needed)\$13,900.00\$15,878.00Per Quote\$14,290.20N/ASweep test of existing\$6,730.00\$6,400.00N/A\$5,760.00N/A		\$29,701.09	\$29,701.09	estimated	\$26,730.98	N/A
poleElbow complex, single channel, at 		\$20,740.00	\$20,740.00	re-use the existing antenna adapter plate to mount the new	\$18,666.00	N/A
complex, single channel, at antenna input, per 7 3/16. feedline (if needed) Sweep test \$6,730.00 \$6,400.00 N/A \$5,760.00 N/A		\$83,770.90	\$83,770.90	N/A	\$75,393.80	N/A
of existing	complex, single channel, at antenna input, per 7 3/16. feedline (if	\$13,900.00	\$15,878.00	Per Quote	\$14,290.20	N/A
	of existing	\$6,730.00	\$6,400.00	N/A	\$5,760.00	N/A

UHF - High Power Top Mount (200- 1000 kW), One station antenna , elliptically or circularly polarized	\$289,500.00	\$227,851.00	Horizontal component only, V pol invoiced directly to KQDS	\$205,065.90	N/A
Sub-total	\$687,665.99	\$624,065.99	N/A	\$557,113.01	N/A
Total for all systems	\$5,255,217.59	\$4,807,851.54	N/A	\$3,952,755.15	N/A

Components

Actual Information Description	File Name	
State and Local Taxes		
	Component Description:	State and local taxes repack KQDS-TV
	Amount:	\$15,760.23
Ice Shield for Interim Antenna		
Αποπια	Component Description:	Invoice per quote True North Ice shield for interim antenna KQDS-TV Fabricate and install
	Amount:	\$7,264.00

Side mount brackets for high power antennas (if not included in antenna base cost)	Component Description: Amount:	45% of quote line 22 due upon order \$8,376.75	
	Component Description:	Line 22 of invoice MAN00546, 45% sales quote1179002 prior to ship.	
	Amount:	\$8,376.75	
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if	Component Description:	45% of Quote line 23	
needed)	Amount:	\$6,104.70	
	Component Description: Amount:	Line 23 invoice MAN00546, 45% sales quote 1179002 prior to ship	
	Amount.	\$6,104.70	
Sweep test of existing antenna	Component Description:	Line 45 invoice MAN00546, 45% sales quote 1179002, prior to	
	Amount:	ship \$2,880.00	
	Component Description: Amount:	45% of quote line 45 due upon order \$2,880.00	

UHF - High Power, Side Mount, basic slot antenna, 612 kW input, directional,, elliptically or circularly polarized	Component Description:	45% down with order interim antenna line 20 of
polarizou	Amount:	Invoice \$76,729.50
	Component Description:	Line 20 invoice MAN00546, sales quote 1179002 45% prior to ship
	Amount:	\$76,729.50
State and Local Taxes		
	Component Description:	State and Local taxes MN, repack KQDS-TV
	Amount:	\$26,730.98
Top Plate Adapter		
	Component Description:	45% quote line 3 due upon order
	Amount:	\$9,333.00
	Component Description:	Line #3 invoice MAN00546, sales quote, 1179002,
	Amount:	45% prior to ship \$9,333.00
Support pole		
	Component Description:	45% per quote line
	Amount:	4 due upon order \$37,696.90
	Component Description:	Line #4 invoice MAN00546, sales quote 1179002, 45% prior to ship
	Amount:	\$37,696.90

Elbow complex, single channel, at antenna input, per 7 3/16. feedline (if needed)	Component Description: Amount:	45% quote line 5 due upon order \$7,145.10
	Component Description: Amount:	Line # 5, invoice MAN00546, sales quote 1179002, 45% prior to ship \$7,145.10
Sweep test of existing antenna	Component Description: Amount:	45% of quote line 45 due upon order \$2,880.00
	Component Description: Amount:	Line # 19, invoice MAN00546, sales quote 1179002, 45% prior to ship \$2,880.00
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	Component Description: Amount:	Line #1, invoice MAN00546, sales quote 1179002, prior to ship \$102,532.95
	Component Description: Amount:	45% of quote line 1 due upon order \$102,532.95

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
Interim Transmission Line	\$195,400.35	\$176,784.80		\$159,494.60	
Dehydrator and RF scout	\$19,712.35	\$19,712.35	N/A	\$18,483.18	N/A
State and Local Taxes	\$14,088.00	\$14,088.00	8.375% total estimate	\$12,325.42	N/A
Rigid Transmission Line - copper, 6 1/8"	\$161,600.00	\$142,984.45	per quote	\$128,686.00	N/A
Primary Transmission Line	\$22,618.40	\$19,442.90		\$16,277.94	
State and Local Taxes	\$2,754.00	\$2,754.00	N/A	\$1,257.92	N/A
Changes to Transmission line run	\$11,784.40	\$11,784.40	N/A	\$10,605.98	N/A
Rigid Transmission Line - copper, 6 1/8"	\$8,080.00	\$4,904.50	N/A	\$4,414.04	N/A
Sub-total	\$218,018.75	\$196,227.70	N/A	\$175,772.54	N/A
Total for all systems	\$5,255,217.59	\$4,807,851.54	N/A	\$3,952,755.15	N/A

Components

Actual Information	
Description	File Name

Dehydrator and RF scout		
	Component Description:	Lines 13-16, 49 invoice
		MAN00546, sales
		quote 1179002,
		45% prior to ship
	Amount:	\$9,241.59
	Component Description:	45% of quote
		lines 13-16, 49
	Amount:	\$9,241.59
State and Local Taxes		
	Component Description:	State and local
		taxes MN, repack
		KQDS-TV
	Amount:	\$12,325.42
Rigid Transmission Line -		
copper, 6 1/8"	Component Description:	45% of quote,
		lines 24 & 28 due
	Amount:	upon order
	Amount:	\$64,343.00
	Component Description:	Line #'s 24 - 28,
		invoice
		MAN00546, sales
		quote 1179002,
	Amount:	45% prior to ship \$64,343.00
		4 0 i,0 i000
State and Local Taxes		
	Component Description:	State and local
		taxes MN, Repack
		KQDS-TV

Changes to Transmission line run		
	Component Description:	45% of Quote,
		lines 6, 8-11 due
		upon order
	Amount:	\$5,302.99
	Component Description:	Line #'s 6, 8-11
		invoice
		MAN00546, sales
		quote 1179002,
		45% prior to ship
	Amount:	\$5,302.99
Rigid Transmission Line -		
copper, 6 1/8"	Component Description:	Line #7, invoice
		MAN00546, sales
		quote 1179002,
		45% prior to ship
	Amount:	\$2,207.02
	Component Description:	45% quote line 7
	Americati	due upon order
	Amount:	\$2,207.02

Tower Equipment and Rigging Costs

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 Tower TOWER	\$628,315.00	\$677,415.00		\$527,757.30	
State and Local Taxes	\$36,715.00	\$36,715.00	8.375% of quote cost	\$31,214.30	N/A
Minor tower reinforcement /modifications	\$158,000.00	\$150,000.00	N/A	\$87,000.00	N/A
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$487,200.00	Tower reinforcement, stacked antenna and Interim side mount plus removal of existing stack, multiple crews and companies will be doing this work, tower had to be reinforced with cross bracing and top guys replaced with bridge strand.	\$406,043.00	N/A
Structural engineering tower load study for well documented tower	\$12,600.00	\$3,500.00	N/A	\$3,500.00	N/A
Sub-total	\$628,315.00	\$677,415.00	N/A	\$527,757.30	N/A

Total for all	\$5,255,217.59	\$4,807,851.54	N/A	\$3,952,755.15	N/A
systems					

Components

Actual Information Description	File Name	
State and Local Taxes	Component Description: Amount:	State and local taxes MN, repack KQDS-TV \$31,214.30
Minor tower reinforcement /modifications	Component Description: Amount:	Down payment for KQDS top tower guy for tower reinforcment \$43,500.00
	Component Description: Amount:	Final invoice for guy reinforcement \$43,500.00
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	Component Description: Amount:	50% of installation of tower support cross bracing per proposal \$6,250.00
	Component Description:	2nd and final 50% of Quote 03081802 for removal of tower attachments
	Amount:	\$3,500.00

	Component Description:	2nd invoice for installation of cross bracing on KQDS tower
	Amount:	\$6,250.00
	Component Description:	45% of quote lines
	Amount:	1-3 due upon order \$186,354.00
	Component Description:	Cross Braces for tower reinforcement for Rev G compliance per proposal 19598
	Amount:	\$13,835.00
	Component Description:	45% due prior to ship lines 1 - 3. Sales quote 1229002
	Amount:	\$186,354.00
	Component Description:	50% of Quote 03081802 for removal of tower attachments
	Amount:	\$3,500.00
Structural engineering tower load study for well documented tower	Component Description:	Invoice for quote 19583 for
	Amount:	Structural analysis \$3,500.00

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Outside Professional Services

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
Outside Professional Services	\$123,910.00	\$117,750.00		\$0.00	
Additional Field Engineering Service, 2 Days	\$9,000.00	\$9,000.00	N/A	N/A	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,500.00	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	N/A	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	\$2,050.00	\$1,500.00	N/A	N/A	N/A

Total for all systems	\$5,255,217.59	\$4,807,851.54	N/A	\$3,952,755.15	N/A
Sub-total	\$123,910.00	\$117,750.00	N/A	\$0.00	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	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
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/A

Components

Information not provided.

Other Expenses

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 Cos Justificatic
Other Expenses	\$224,737.85	\$224,172.85		\$115,848.67	
Portable Restrooms	\$300.00	\$300.00	N/A	\$85.84	N/A
State And Local Taxes	\$17,327.00	\$17,327.00	per current quotes and estimates	\$8,341.90	N/A
Modify Receive Antenna at Translator Site	\$5,000.00	\$5,000.00	N/A	N/A	N/A
Employee Time	\$19,653.85	\$19,653.85	N/A	\$5,542.31	N/A
MVPD Notification of Channel Change	\$3,000.00	\$3,000.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	\$44,705.00	\$44,705.00	See attached advertising schedule titled "KQDS Channel Reassignment Notification". Also, shooting, editing and production of notifications.	\$0.00	N/A

Equipment Storage	\$12,000.00	\$12,000.00	N/A	\$1,874.72	Security o on site storage during installation of interim antenna a KQDS-TV tower site
Equipment Delivery and Handling Charges	\$90,672.00	\$90,672.00	Includes both Comark and Dielectric quotes that total this amount. The additional expense is due to Antennas and transmission line being shipped in two different orders. Interim first, then main.	\$82,003.90	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$20,000.00	\$20,000.00	N/A	\$18,000.00	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	\$325.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	N/A	N/A

Sub-total	\$224,737.85	\$224,172.85	N/A	\$115,848.67	N/A
Total for all systems	\$5,255,217.59	\$4,807,851.54	N/A	\$3,952,755.15	N/A

Components

Actual Information Description	File Name	
Portable Restrooms		
	Component Description:	Requirement for
		construction site in
		MN
	Amount:	\$85.84

State And Local Taxes		
	Component Description:	State and local taxes MN, repack KQDS-TV
	Amount:	\$3,994.88
	Component Description:	State taxes for 30% down of disposal costs of transmitters- primary, interim & interim RF
	Amount:	\$502.50
	Component Description:	State Tax for 60% of quote for shipping and handling
	Amount:	\$1,893.02
	Component Description:	State tax on 60% of quote for disposal costs
	Amount:	\$1,005.00
	Component Description:	State tax of 30% down for delivery & handling of transmitters- primary, interim, & interim RF
	Amount:	\$946.50
Modify Receive Antenna at Translator Site	Information not provided.	

Employee Time		
	Component Description:	KQDS-TV
		personnel labor for repack
	Amount:	\$5,495.79
	Component Description:	KQDS-TV
		personnel labor
	Amount:	\$5,542.31
MVPD Notification of	Information not provided.	
Channel Change		
Develop and air	Information not provided.	
announcement of upcoming		
channel change		
Equipment Storage		
	Component Description:	Invoice for
		Security of the
		premises during
		off loading and
	Amount:	construction. \$703.02
	Anount.	\$703.0 <u>Z</u>
	Component Description:	Security for on site
		storage during
		interim antenna
		installation
	Amount:	\$1,171.70

Equipment Delivery and		
Handling Charges	Component Description:	60% of quote due
	Amount:	prior to shipping \$22,603.20
	Component Description:	45% of quote line 44 due upon order
	Amount:	\$11,925.00
	Component Description:	Line # 44, invoice
		MAN00546, sales
		quote 1179002,
	Amount:	45% prior to ship \$11,925.00
		. ,
	Component Description:	Line #18 invoice MAN00546, sales
		quote 1179002,
		45% prior to ship
	Amount:	\$11,925.00
	Component Description:	30% down of
		delivery of primary, interim, &
		interim RF system
	• •	transmitters
	Amount:	\$11,301.60
	Component Description:	45% of quote line
	Amount:	18 due upon order \$11,925.00
	Component Description:	Equipment rental
	Component Description.	for off loading
		shipment
	Amount:	\$399.10

Component Description: Amount:	60% of quote due prior to shipping \$12,000.00
Component Description: Amount:	30% down of Disposal Costs \$6,000.00
Information not provided.	
Information not provided.	
Information not provided.	
	Amount: Component Description: Amount: Information not provided. Information not provided.

Cost Information	Grand Total				
		Predetermined Cost Estimate	Estimated Cost	Actual Cost	
	Total for all systems	\$5,255,217.59	\$4,807,851.54	\$3,952,755.15	

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. 	
		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).
- 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.	Kathy Lau COO 02/14/2019

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Certification	Section	Question	Response
Certification	Submission of Actual Cost Documentation Statements	WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISIONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).	
		 The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 	
		2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.	
		3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.	

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

	The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission. 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 aut	are, under penalty of perjury, that I am thorized representative of the above- d applicant for the Authorization(s)	Kathy Lau COO
specif	ied above.	02/14/2019

Attachments