

Federal Communications Commission

## (REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility ID:	17037	Service: DTV	Call Sign:	KDFI	Channel: 27 (UHF)
File Number:	00000	27215			
FRN: <b>00</b>	13522339	Date Submitted:	01/29 /2019		

# Applicant Name, Type, and Contact Information

Information	Applicant	Address	Phone	Email	Applicant Type
	NW	Joseph M. Di	+1	JDISCIPIO@21CF.	Corporation
	COMMUNICATIONS	Scipio	(202)	СОМ	
	OF TEXAS, INC.	400 N. CAPITOL	824-		
		STREET, NW	6522		
		SUITE 890			
		WASHINGTON,			
		DC 20001			
		United States			

### Reimbursement Contact Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

# Preparer Contact Name and Information

Contact Information	Applicant	Address	Phone	Email
	Dennis Wallace Managing Partner Meintel, Sgrignoli & Wallace, LLC	Dennis Wallace 1282 Smallwood Drive Suite 372 Waldorf, MD 20603 United States	+1 (202) 251- 7589	Dennis. Wallace@mswdtv.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.	No
	Briefly describe transition plan	Station KDFI is still working on its transition plan. However, the initial plan would be to install an interim facility to broadcast on the post-auction channel. Then replace the existing antenna and transmission line with new antenna and tx line.

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

# Primary Existing Transmitter Information

Transmitter	Section	Question	Response
	Existing Transmitter Description	Type of change	Retune Existing
		Use	Primary (Main)
		Ownership	Owned
		Owner	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	Comark
		Model	DCXP-2

Year	2004
Туре	Inductive Output Tube
IOT Power Type	Two
Power capacity	30 kW

### Primary Transmitter Costs Section

er	Section	Question	Response
	New IOT Tubes	Number of Tubes (including accessories) needed	2
	New Mask Filter	Power	60 kW
		Other Power	N/A
	New Exciter	Is a new exciter needed?	Yes
		Exciter Type	Dual exciter with changeover

# Primary Other Transmitter Costs

Transmitter	Section	Question	Response
	Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	Switchgear (industrial 800 amp)	No
		Transformer (480V)	No
		Power	N/A
		Rigid Conduit and Wiring	No
		Size	N/A
		Length	N/A
		Other Electrical Service	Yes
			1

	Description	Interlock wiring and conduits for new mask filter. (Retune of Comark Transmitter).
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
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		
	Remove Existing Equipment	Remove Existing Equipment to make room for Interim TX		
	Remote Control Wiring	Wire up remote control to interim tx		

Auxiliary	Existing Transmitter Information			
Transmitter	Section	Question	Response	
	Existing Transmitter Description	Type of change	Purchase New	
		Use	Auxiliary (Backup)	
		Description of Use	Comark	
		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	1KW	
		Year	2003	
		Туре	Solid State	
		Solid State Cooling	Air Cooled	
		Solid State Power Capacity	1 kW	

### **Existing Transmitter Information**

New Transmitter Cos		5		
Transmitter	Section	Question	Response	
	New Transmitter	Use	Auxiliary (Backup)	
		Change Type	Purchase New	
		Is this a request for upgraded equipment?	No	
		Manufacturer		
		Model	TBD	
		Transmitter Type	Solid State	
		Solid State Cooling	Air Cooled	
		Solid State Power capacity	1 kW	
		Justification for New Transmitter	Replace Aux transmitter with unit that will work on new RF Channel.	

Auxiliary	Other Transmitter Costs		
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	No
		Size	N/A
		Length	N/A
		Other Electrical Service	Yes

	Description	Install new aux transmitter electrical contractor
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
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.

nterim	New Transmitter Costs			
Transmitter	Section	Question	Response	
	New Transmitter	Use	Interim	
		Description of Use	N/A	
		Change Type	Purchase	
		Manufacturer		
		Model	TBD	
		Transmitter Type	Solid State	
		Solid State Cooling	Liquid Cooled	
		Solid State Power capacity	30 kW	
		Justification for New Transmitter	Interim Transmitter for operation at interim facility site while existing site is modified. ATC will decommission existing antenna waveguide run in early 2018.	

Interim	Other Transmitter Costs			
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	No	
			,	

	Size	N/A
	Length	N/A
	Other Electrical Service	Yes
	Description	Electrical installation costs for Interim Transmitter at interim transmitter site.
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?	Yes
	Size	800.0 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
Inside RF System	Is an additional interior RF system required to support this interim transmitter?	Yes

# Interim Other Transmitter Cost Not Listed

**Transmitter** Information not provided.

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

Auxiliary	Existing Antenna Information			
Antenna	Section	Question	Response	
	Existing Antenna Description	Type of change	Purchase New	
		Antenna Use	Auxiliary (Backup)	
		Description of Use	Licensed Aux Antenna	
		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)	11.2 kW
Manufacturer	
Model	AL12N-36- PL
Year	2009

ntenna	Section	Question	Response
	New Antenna Description	Use	Auxiliary (Backup)
		Description of Use	Licensed Aux
		Change Type	Purchase New
		Is this a request for upgraded equipment?	No
		Ownership	Owned
		Owner	N/A
		Is antenna shared?	No
		Is antenna directional?	Yes
		Will antenna be located on or in close proximity to an antenna farm?	Yes
	New Antenna	Class	Full Power
	Manufacturer and Type	s Mounting	Side Mount
		Antenna position in stack	Not in Stack
		Polarization	Horizontal
		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)	15.0 kW
		Manufacturer	
		Model	TBD

Year	2017
Justification for New Antenna	Antenna on new channel to replaced existing licensed aux antenna. Manufacturer and model number of licensed aux antenna are yet to be finalized.

### Aux

Auxiliary	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	3 1/8 inches inches	
	Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	Yes	

Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

# Auxiliary<br/>AntennaOther Antenna Cost Not ListedInformation not provided.

Primary Antenna	Existing Antenna Information				
	Section	Question	Response		
	Existing Antenna Description	Type of change	Purchase New		
		Antenna Use	Primary (Main)		
		Description of Use	N/A		
		Ownership	Leased		
		Owner	ATC		
		Site	N/A		
		Is the existing antenna shared with another station or stations?	Yes		
		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	Purchase New Primary (Main) N/A Leased ATC N/A Yes Yes Yes		
	Manufacturer and Type	Mounting			
		Antenna position in stack	Bottom		
		Polarization	Horizontal		
		Туре			
		Number of Stations Supported	2		
		Number of Panels	48		
		Design power capacity in use	35.0 %		
		Lower Limit	602.00 MHz		
		Upper Limit	644.00 MHz		
		Other Antenna Type	N/A		
		ERP: (Effective Radiated Power)	1000.0 kW		

Manufacturer	
Model	A /CUK40671 /1
Year	2008

### Facility ID's and Call Signs of all stations with whom the antenna is shared.

Facility ID	Call Sign
68834	KPXD-TV

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?	No
		Ownership	Leased
		Owner	American Tower
		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 Type	es Mounting	Tower Yes Yes Yes
		Antenna position in stack	
		Polarization	
		Туре	
		Number of Stations Supported	1
		Number of Panels/Bays	48
		Lower Limit	548.00 MH
		Upper Limit	554.00 MH
		Design power capacity in use	34.0 %
		Other Antenna Type	N/A
		ERP: (Effective Radiated Power)	829.0 kW
		Manufacturer	

Model	TBD
Year	2017
Justification for New Antenna	New Repacked channel antenna. Existing antenna optimized for upper UHF band. This antenna is actually
	mounted below the candelabra. Bottom Mount. New antenna manufacturer and model number are yet to be finalized.

# Primary Other Antenna Costs

Filliary			
Antenna	Section	Question	Response
	Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	Yes
		Туре	New
		Number of channels supported	2
		Frequencies of channels supported	RF channel
		Frequency	N/A
		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	6 1/8 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

# Enter a list of RF channel numbers.

RF Channel Number 25 27

Primary<br/>AntennaOther Antenna Cost Not ListedInformation not provided.

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	Class	Full Power	
	Manufacturer and Type	Mounting	InterimN/APurchase NewOwnedN/AN/AYesYes	
		Antenna position in stack	Bottom	
		Polarization	Horizontal	
		Туре		
		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)	829.0 kW	
		Manufacturer		
		Model	TBD	
		Year	2017	
			I	

Justification for New Antenna	Interim
	Antenna for
	operation
	while main
	antenna
	transmission
	line is
	removed an
	replaced by
	ATC.
	Antenna
	manufacture
	and model
	number is
	yet to be
	finalized.

# Interim Other Antenna Costs

Section	Question	Response
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	В
	Feed Line Size	6 1/8 inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an antenna?	Yes
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

# Interim Other Antenna Cost Not Listed

Antenna Information not provided.

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

Auxiliary	Existing Transmission Line			
Transmissio	n Line Section	Question	Response	
	Existing Transmission Line Description	Type of change	Purchase New	
		Use	Auxiliary (Backup)	
		Description of Use	Aux Antenna line	
		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	3 1/8 inches	
		Other Diameter	N/A	
		Segment Length	20 inches	
		Other Segment Length	N/A	
		Number of parallel runs	1	
		Length	1250 feet per run	

Auxiliary	New Transmission Line		
Transmissio	on Line Section	Question	Response
	New Transmission Line Costs	Use	Auxiliary (Backup)
		Description of Use	Licensed Aux Site Feed Line
		Change Type	Purchase New
		Is this a request for upgraded equipment?	No
		Туре	Rigid
		Diameter	3 1/8 inches
		Other Diameter	N/A
		Segment Length	Broadband
		Other Segment Length	N/A
		Number of parallel runs	1
		Length	1250 feet per run
		Justification for New Transmission Line	Transmission line run for licensed aux antenna.

Auxiliary Other Transmission Line Expenses Not Listed Transmission

ransmissio	n Line Section	Question	Response
	Existing Transmission Line Description	Type of change	Purchase New
		Use	Primary (Main)
		Description of Use	N/A
		Ownership	Leased
		Owner	ATC
		Site	N/A
		Is the existing transmission line shared with another station or stations?	Yes
		Is Transmission Line in operating condition?	Yes
Existing Transmission	-	Manufacturer	
	Line Manufacturer and Type	Туре	Waveguide
		Diameter	N/A
		Other Diameter	N/A
		Segment Length	N/A
		Other Segment Length	N/A
		Number of parallel runs	1
		Length	1600 feet per run

# Primary Existing Transmission Line

### Facility ID's and Call Signs of all stations with whom the transmission line is shared.

Facility ID	Call Sign
68834	KPXD-TV

Primarv	New Transmission Line			
Transmissio	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?	Yes	
		Туре	Rigid	
		Diameter	8 3/16 inches	
		Other Diameter	N/A	
		Segment Length	Broadband	
		Other Segment Length	N/A	
		Number of parallel runs	1	
		Length	1600 feet per run	
		Justification for New Transmission Line	New transmission line to feed to main antenna. Final transmission line size and manufacturer are yet to be finalized.	

Other Transmission Line Expenses Not Listed Transmission

Interim	New Transmission Line			
Transmissio	n Line	Question	Response	
	New Transmission Line	Use	Interim	
	Costs	Description of Use	N/A	
		Change Type	Purchase New	
		Туре	Rigid	
		Diameter	8 3/16 inches	
		Segment Length	Broadband	
		Other Segment Length		
		Number of parallel runs	1	
		Length	1600 feet per run	
		Justification for New Transmission Line	Transmission line to feed Interim antenna. Final line size, length, and diameter are yet to finalized.	

Interim Other Transmission Line Expenses Not Listed

Transmission home tion not provided.

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

### **Existing Tower**

Auxiliary	Existing Tower			
Tower	Section	Question	Response	
	Existing Tower	Type of change	Modify Existing	
	Description	Tower Use	Auxiliary (Backup)	
		Description of Use		
		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	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?	Yes	
		ASR Number	1059733	
	Coordinates (NAD83 (	Latitude (NAD83)	32° 32' 36.0" N-	
	North American Datum of 1983))	Longitude (NAD83)	096° 57' 33.0" W-	
		Overall Structure Height	1635.15 feet	
		Support Structure Height	1523.60 feet	
		Ground Elevation Above Mean Sea Level (AMSL)	813.97 feet	
			1	

Structure Ty	De GTOWER - Guyed Structure Used for Communication Purposes
Tower Owne	r American Towers, LLC
Date Constru	ucted 06/18/2000

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
68834	KPXD-TV	DTV

# Auxiliary Tower Modification Costs

Tower

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:	Minor Reinforcements needed

# Auxiliary Tower Rigging Costs

Section	Question	Response
Tower Rigging Costs	Complex Tower	Candelabra
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	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?	Yes	
		ASR Number	1059733	
	Coordinates (NAD83 ( North American Datum of 1983))	Latitude (NAD83)	32° 32' 36.0" N-	
		Longitude (NAD83)	096° 57' 33.0" W-	
		Overall Structure Height	1635.15 feet	
		Support Structure Height	1523.60 feet	
		Ground Elevation Above Mean Sea Level (AMSL)	813.97 feet	
		Structure Type	GTOWER - Guyed Structure Used for Communication Purposes	
		Tower Owner	American Towers, LLC	
		Date Constructed	06/18/2000	

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
68834	KPXD-TV	DTV

### **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:	Minor Reinforcements needed

### **Tower Rigging Costs** Primary

Tower	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	
	American Tower Modification Costs	ATC Estimated costs for modification of existing main antenna.	

Interim	Tower Construction Costs			
Tower	Section	Question	Response	
	Construct New Tower	Use	Interim	
		Description of Use	N/A	
		Height	1600.00 feet	
		Justification for New Tower	Interim Tower at existing KDFW /WFAA Site.	

# Interim Tower Rigging Costs

### Tower

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

# Interim Other Tower Expenses Not Listed

**Tower** Information not provided.

Outside Professional	Section	Question	Response
	Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
		Number of Hours	350
		Explanation	Project management of transitioning facilities.
	Outside RF consulting Engineering Services	Perform engineering study for new channel assignment and antenna development	Yes
		Prepare engineering section of Form FCC Construction Permit Application	Yes
		For Auxiliary Facility	Yes
		For Main Facility	Yes
		Prepare engineering section of Form FCC License to Cover Application	Yes
		For Auxiliary Facility	Yes
		For Main Facility	Yes
		Prepare request for Special Temporary Authority	Yes
		Quantity	2
		Do you have Distributed Transmission System engineering services?	N/A
		Critical Facility	N/A
		Terrain-Shielded Facility	N/A
	Attorney and Other Outside Consulting Services	Prepare and file Form FCC Construction Permit Application	Yes
		For Auxiliary Facility	Yes
		For Main Facility	Yes
		Prepare and file Form FCC License to Cover Application	Yes

	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	2
	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	20
	Justification	On Site RF Engineering Services to supervise installation of equipment and verify performance of new equipment.

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Other Professional Services Expenses Not Listed Professional Services roostsided.

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

#### **Other Expenses Not Listed**

Other	Other Expenses Not Listed				
Expenses	Name	Description			
	Prepare FCC Qtrly Reports	Prepare & file quarterly FCC Progress Reports			
	Lease Modifications	Lease modification for new facilities			
	Prepare FCC Qtrly Reports	Prepare & file quarterly FCC Progress Reports			
	Lease Modifications	Lease modification for new facilities			

# Transmitters

# Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Transmitter TBD	\$1,199,716.00	\$1,145,216.00		\$33,303.00	
Other Building Addition Size: 800.0	\$60,096.00	\$60,096.00	Concrete Pad addition for Heat Exchangers.	\$30,048.00	N/A
Other Electrical Service: Electrical installation costs for Interim Transmitter at interim transmitter site.	\$45,120.00	\$45,120.00	Estimated electrical contractor costs for installation of new interim transmitter at interim site. See attached quote as proxy for costs.	\$3,255.00	N/A
UHF inside RF system including switching	\$147,500.00	\$140,000.00	catalog	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	\$947,000.00	\$900,000.00	estimated costs from catalog	\$0.00	N/A
Primary Transmitter DCXP-2	\$763,250.00	\$989,674.00		\$0.00	
Remote Control Wiring	\$0.00	\$0.00	no changes required.	N/A	N/A

Remove Existing Equipment	\$7,500.00	\$7,500.00	Remove and dispose of existing mask filter and other components.	N/A	N/A
Other Electrical Service: Interlock wiring and conduits for new mask filter. (Retune of Comark Transmitter).	\$7,500.00	\$7,500.00	Estimated costs for electrical contractor to add new AC power outlets for mask filter and RF system as well as conduits for interlocks and RF Sample cables at main transmitter site as part of retuning Comark transmitter.	N/A	N/A
Dual exciter system with change over	\$47,350.00	\$45,000.00	catalog	N/A	N/A
60 kW mask filter	\$89,400.00	\$85,000.00	Catalog Cost.	N/A	N/A
2 IOT Tubes	\$255,000.00	\$0.00	N/A	N/A	N/A
Two IOT system (30 kW)	\$356,500.00	\$844,674.00	Retune existing IOT Transmitter See attached Comark Quote for Paragon Transmitter Retuning.	N/A	N/A

Auxiliary Transmitter TBD	\$129,500.00	\$123,500.00		\$0.00	
UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW	\$126,000.00	\$120,000.00	Catalog	N/A	N/A
Other Electrical Service: Install new aux transmitter electrical contractor	\$3,500.00	\$3,500.00	Electrical contractor to install new Aux Transmitter.	N/A	N/A
Sub-total	\$2,092,466.00	\$2,258,390.00	N/A	\$33,303.00	N/A
Total for all systems	\$12,099,548.71	\$5,898,180.31	N/A	\$104,595.60	N/A

Actual Information Description	File Name	
Other Building Addition Size: 800.0	Component Description: Amount:	Building modifications for transmitter equipment- 50% deposit \$30,048.00
Other Electrical Service: Electrical installation costs for Interim Transmitter at interim transmitter site.	Component Description: Amount:	Eaton Powerware UPS- 20% deposit on Equipment \$3,255.00
UHF inside RF system including switching	Information not provided.	

UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	Component Description: Amount:	Invoice reflects 50% downpayment. \$719,734.00
Remote Control Wiring	Information not provided.	
Remove Existing Equipment	Information not provided.	
Other Electrical Service: Interlock wiring and conduits for new mask filter. (Retune of Comark Transmitter).	Information not provided.	
Dual exciter system with change over	Information not provided.	
60 kW mask filter	Information not provided.	
2 IOT Tubes	Information not provided.	
Two IOT system (30 kW)	Information not provided.	
UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW	Information not provided.	
Other Electrical Service: Install new aux transmitter electrical contractor	Information not provided.	

## Antennas

# Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Antenna TBD	\$506,040.00	\$281,400.00		\$0.00	
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	\$13,700.00	\$13,000.00	catalog	N/A	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$22,000.00	Catalog	\$0.00	N/A
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,000.00	Catalog	N/A	N/A

Combiner output splitting /switching for dual feed lines, if applicable	\$126,000.00	\$0.00	N/A	N/A	N/A
New combiner, cost per channel (without antenna)	\$84,200.00	\$0.00	N/A	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	Catalog	N/A	N/A
UHF - High Power Top Mount (200- 1000 kW), One station antenna, horizontally polarized	\$247,000.00	\$235,000.00	catalog	N/A	N/A
Primary Antenna TBD	\$477,630.00	\$454,400.00		\$0.00	
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	\$13,700.00	\$13,000.00	Catalog	N/A	N/A
Combiner output splitting	\$126,000.00	\$120,000.00	Catalog	N/A	N/A

New combiner, cost per channel (without antenna)	\$84,200.00	\$80,000.00	Catalog	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	catalog	N/A	N/A
UHF - High Power Top Mount (200- 1000 kW), One station antenna, horizontally polarized	\$247,000.00	\$235,000.00	Catalog	N/A	N/A
Auxiliary Antenna TBD	\$162,740.00	\$160,800.00		\$0.00	
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,000.00	Catalog	N/A	N/A
Elbow complex, single channel, at antenna input, per 3 1/8. feedline (if needed)	\$7,600.00	\$7,400.00	Catalog	N/A	N/A
Sweep test	\$6,730.00	\$6,400.00	Catalog	N/A	N/A

UHF - High Power, Side Mount, basic slot antenna, 15 kW input, directional,, horizontally polarized	\$120,000.00	\$120,000.00	Catalog Cost. New Aux Antenna for Licensed Aux. UHF Side Mount Antenna 3 1 /8" EIA Input Connector. Directional Ch. 27	N/A	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$22,000.00	Catalog	N/A	N/A
Sub-total	\$1,146,410.00	\$896,600.00	N/A	\$0.00	N/A
Total for all systems	\$12,099,548.71	\$5,898,180.31	N/A	\$104,595.60	N/A

Information not provided.

### **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	\$638,400.00	\$606,400.00		\$0.00	
Rigid Transmission Line - copper, 8 3 /16" broadband	\$638,400.00	\$606,400.00	Catalog costs for new interim transmitter site transmission line.	N/A	N/A
Primary Transmission Line	\$638,400.00	\$606,400.00		\$0.00	
Rigid Transmission Line - copper, 8 3 /16" broadband	\$638,400.00	\$606,400.00	Catalog	N/A	N/A
Auxiliary Transmission Line	\$150,000.00	\$142,500.00		\$0.00	
Rigid Transmission Line - copper, 3 1 /8" broadband	\$150,000.00	\$142,500.00	Catalog Costs.	N/A	N/A
Sub-total	\$1,426,800.00	\$1,355,300.00	N/A	\$0.00	N/A
Total for all systems	\$12,099,548.71	\$5,898,180.31	N/A	\$104,595.60	N/A

## Components

Information not provided.

# **Tower Equipment and Rigging Costs**

# Cost Information

Description Interim Tower	Predetermined Cost Estimate \$5,469,000.00	Estimated Cost \$400,000.00	Estimated Cost Justification	Actual Cost \$0.00	Actual Cost Justification
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$400,000.00	Catalog cost. Interim facility tower services including rigging, mobilization, removal of existing equipment and installation of new interim antenna and transmission line.	\$0.00	N/A
New tower between 1500' and 2000' without elevator, presumptive soil conditions	\$5,048,000.00	\$0.00	N/A	N/A	N/A
Auxiliary Tower GTOWER	\$605,300.00	\$244,267.60		\$44,267.60	

Tower	\$26,300.00	\$44,267.60	See attached	\$44,267.60	N/A
mapping for			quote from		
an			ERI for tower		
undocumented			mapping and		
/poorly			tower studies		
documented			for potential		
tower and			Interim/Aux		
preparation of			site. Includes		
documentation			sales tax of		
necessary for			\$1,887.60.		
tower load			Plus		
study			additional		
•			fee of \$7,500		
			for		
			supplemental		
			study of the		
			original		
			analysis.		
Complex	\$421,000.00	\$200,000.00	Catalog	N/A	N//
Tower			Price - tower		
(includes, for			rigging and		
example,			new Aux		
those with			Antenna		
candelabras			Installation at		
and/or			Aux Site.		
stacked					
antennas)					
Minor tower	\$158,000.00	\$0.00	N/A	N/A	N//
reinforcement	•••••	+			,.
/modifications					
Primary Tower GTOWER	\$1,025,907.71	\$420,607.71		\$0.00	
Complex	\$421,000.00	\$0.00	N/A	N/A	N//
Tower					
(includes, for					
example,					
those with					
candelabras					
vanuciavias					
and/or					

Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$0.00	N/A	N/A	N/A
American Tower Modification Costs	\$420,607.71	\$420,607.71	American Tower Estimated costs. See attached spreadsheet from ATC for Main Antenna at Main Site.	N/A	N/A
Minor tower reinforcement /modifications	\$158,000.00	\$0.00	N/A	N/A	N/A
Sub-total	\$7,100,207.71	\$1,064,875.31	N/A	\$44,267.60	N/A
Total for all systems	\$12,099,548.71	\$5,898,180.31	N/A	\$104,595.60	N/A

Actual Information Description	File Name
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	Information not provided.
New tower between 1500' and 2000' without elevator, presumptive soil conditions	Information not provided.

Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study	Component Description: Amount:	Supplemental study required for original analysis. \$7,500.00
	Component Description: Amount:	Structural analysis and report PO 17- 0230. \$36,767.60
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	Information not provided.	
Minor tower reinforcement /modifications	Information not provided.	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	Information not provided.	
Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study	Information not provided.	
American Tower Modification Costs	Information not provided.	
Minor tower reinforcement /modifications	Information not provided.	

# **Outside Professional Services**

## Cost Information

Description Outside Professional Services	Predetermined Cost Estimate \$226,235.00	Estimated Cost \$216,150.00	Estimated Cost Justification	Actual Cost \$27,025.00	Actual Cost Justification
Additional Field Engineering Service, 20 Days	\$42,400.00	\$42,400.00	20 Days on site RF Engineering Supervision of equipment installation and performance verification.	N/A	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	N/A	\$27,025.00	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$7,360.00	\$7,000.00	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	N/A	N/A

Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	\$4,210.00	\$4,000.00	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	\$4,100.00	\$3,000.00	N/A	N/A	N/A
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/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

RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	\$2,105.00	\$2,000.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	N/A	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	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
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Project management of the transition	\$55,300.00	\$52,500.00	N/A	N/A	N/A
Sub-total	\$226,235.00	\$216,150.00	N/A	\$27,025.00	N/A
Total for all	\$12,099,548.71	\$5,898,180.31	N/A	\$104,595.60	N/A

Actual Information Description	File Name	
Additional Field Engineering Service, 20 Days	Information not provided.	
Comprehensive coverage verification via field study, if needed	Component Description: Amount:	Full Site Survey of KDFI with Drawing Package- 50% down payment \$13,512.50
	Component Description: Amount:	Full Site Survey of KDFI with Drawing Package- remaining 50% \$13,512.50
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.	
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.	
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	Information not provided.	
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Information not provided.	
Prepare request for Special Temporary Authorization	Information not provided.	
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	Information not provided.	

Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	Information not provided.
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Information not provided.
Perform engineering study for new channel assignment and antenna development	Information not provided.
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.
Prepare and or review reimbursement form	Information not provided.
Project management of the transition	Information not provided.

# **Other Expenses**

# Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$107,430.00	\$106,865.00		\$0.00	
Lease Modifications	\$15,000.00	\$15,000.00	N/A	N/A	N/A
MVPD Notification of Channel Change	\$5,000.00	\$5,000.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	\$1,500.00	\$1,500.00	N/A	N/A	N/A
Equipment Storage	\$10,000.00	\$10,000.00	N/A	N/A	N/A
Non-zoning permits	\$10,000.00	\$10,000.00	N/A	N/A	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

Disposal Costs (for equipment and other waste, net of any salvage value)	\$15,000.00	\$15,000.00	Disposal Costs	N/A	N/A
Equipment Delivery and Handling Charges	\$15,000.00	\$15,000.00	N/A	N/A	N/A
Prepare FCC Qtrly Reports	\$23,850.00	\$23,850.00	See attached vendor quote for FCC Progress Reporting.	N/A	N/A
Sub-total	\$107,430.00	\$106,865.00	N/A	\$0.00	N/A
Total for all systems	\$12,099,548.71	\$5,898,180.31	N/A	\$104,595.60	N/A

Information not provided.

Cost Information	Grand Total			
		Predetermined Cost Estimate	Estimated Cost	Actual Cost
	Total for all systems	\$12,099,548.71	\$5,898,180.31	\$104,595.60

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.	
		<ol> <li>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.</li> <li>The above-named</li> </ol>	
		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.	Angelo Servedio Vice President Controller 01/29/2019

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).	
		<ol> <li>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.</li> </ol>	
		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.	Angelo Servedio Vice President Controller 01/29/2019

### Attachments

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