

(REFERENCE COPY - Not for submission)

## FCC Form 399: Reimbursement Request

Facility 53465 Service: DTV Call WKCF Channel: 23 (UHF)

Sign:

02/18

Number:

ID:

File

FRN: **0002538445** Date

0000026735

Submitted: /2020

## Applicant Information

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

Applicant	Address	Phone	Email	Applicant Type
Hearst Properties Inc. Doing Business As: Hearst Properties Inc.	PO Box 1800 Raleigh, NC 27602 United States	+1 (919) 839- 0300	shartzell@brookspierce. 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 Information and Transition Plan Question Response

Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.	Yes
Briefly describe transition plan	see attached document

#### **Transmitters**

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

#### Primary Transmitter

#### **Existing Transmitter Information**

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter	Manufacturer	
Manufacturer and Type	Model	DCX-2H
	Year	2002
	Туре	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	45 kW

#### Primary Transmitter

#### **New Transmitter Costs**

Section	Question	Response
New Transmitter	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	ULXTE-80
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	50.1 kW
	Justification for New Transmitter	Existing IOT txmtr cannot be converted to post-transition channel, see Comark Re-tune statement. An IOT replacement is more expensive than proposed SS txmtr. See attached Comark IOT Transmitter quote.

#### Primary Transmitter

#### **Other Transmitter Costs**

Section	Question	Response
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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	Transmitter electrical installation hardware and labor
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
Remote Control	RC equipment to integrate repack transmitter

Electrical Accessories	Surge protection required by transmitter manufacturer
Transmitter insallation incidentals	equipment rentals and additional supplies needed for transmitter installation
RF Accessories	Additional RF components required for transmitter operatoin
Transmitter de-install	remove old transmitter
Sales Tax	transmitter sales tax
Shipping	Transmitter shipping
Change Order 2	change to 8-pole mask filters
Change Orders	Other transmitter change orders
Change Order 1	change to copper plumbing kits

#### **Antennas**

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

#### **Existing Antenna Information**

Section	Question	Response
Existing Antenna Description	Type of change	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?	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	Top 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- 24GTH S180 DC
Year	2001

#### **New Antenna Costs**

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	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 Types	Mounting	Top 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)	1000.0 kW
	Manufacturer	

Model	TFU- 27ETT-R 4C140
Year	2019
Justification for New Antenna	Current antenna is channel specific and cannot be used on post- transition channel. Antenna must be replaced.

#### **Other Antenna Costs**

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	
	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	6 1/8 inches inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	

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

#### **Other Antenna Cost Not Listed**

Name	Description
Mounting Pole extension	Mounting Pole extension
Sales Tax	Sales Tax for both antenna and transmission line
Shipping	Shipping
Feed-through components	Components needed for candelabra tower
Wedding Cake Mount Adapter	Wedding Cake Mount Adapter

#### Interim Antenna

#### **New Antenna Costs**

Section	Question	Response
New Antenna Description	Use	Interim
	Description of Use	N/A
	Change Type	Lease New
	Ownership	Leased
	Owner	American Tower Corp.
	Is antenna shared?	Yes
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	Yes
New Antenna	Class	Full Power
Manufacturer and Type	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Туре	Broadband Slot
	Number of Stations Supported	4
	Number of Panels/Bays	24
	Lower Limit	470.00 MHz
	Upper Limit	680.00 MHz
	Design power capacity in use	39.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	1000.0 kW
	Manufacturer	
	Model	TFU-24WB /VP-1-R S230

Year	2019
Justification for New Antenna	WKCF has no auxiliary antenna. Interim antenna needed while main antenna and transmission line are replaced.

#### Interim 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	4
	Frequencies of channels supported	Upper and lower frequency
	Frequency	488.0 MHz - 608.0 MHz
	Do you need a combiner output splitter /switcher for dual feed lines?	No
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?	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
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#### Interim Antenna

#### **Other Antenna Cost Not Listed**

Name	Description
Combiner Installation	WKCF portion of combiner installation
Combiner Connection	transmission line components and labor to connect transmitter to interim antenna combiner

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

# Primary Transmission Line

#### **Existing Transmission Line**

n Line Settion	Question	Response
Existing Transmission Line Description	Type of change	Purchase 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	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	1850 feet per run

#### Primary Transmiss

#### **New Transmission Line**

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	1850 feet per run
	Justification for New Transmission Line	Current transmission line segment length is not compatible with post- transition channel and must be replaced.

Primary Other Transmission Line Expenses Not Listed Transmission Line tion not provided.

#### Interim

#### **New Transmission Line**

Transmission	n Line Section	Question	Response
	New Transmission Line	Use	Interim
	Costs	Description of Use	N/A
		Change Type	Lease New
		Туре	Rigid
		Diameter	8 3/16 inches
		Segment Length	Broadband
		Other Segment Length	
		Number of parallel runs	1
		Length	1525 feet per run
		Justification for New Transmission Line	line needed for interim antenna

### Interim

#### Other Transmission Line Expenses Not Listed

Interim Transmissioi	Name	Description
	Additional transmission line	additional transmission line needed to complete transmitter integration
	Nitrogen Generator	Nitrogen generator required for new transmission line feeding new side mount antenna

# Tower Equipment And Rigging Costs

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

#### Primary Tower

#### **Existing 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?	Yes
	Is tower compliant with Rev G?	Unknown
Existing Tower	Do you have a tower registration number?	Yes
Structure Registration	ASR Number	1212124
Coordinates (NAD83 (	Latitude (NAD83)	28° 35' 12.6" N-
North American Datum of 1983))	Longitude (NAD83)	081° 04' 57.5" W-
	Overall Structure Height	1682.07 feet
	Support Structure Height	1574.13 feet
	Ground Elevation Above Mean Sea Level (AMSL)	66.93 feet

Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
Tower Owner	American Tower, LLC
Date Constructed	03/18/2002

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
60018	WACX	DTV
5802	WVEN-TV	DTV
9881	WTGL	DTV
24582	WHLV-TV	DTV

#### Other Types of Users

Users	
WOFT-LD	

#### Primary Tower

#### **Tower Modification Costs**

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

#### Primary Tower

#### **Tower Rigging Costs**

Section	Question	Response
Tower Rigging Costs	Complex Tower	Candelabra
Helicopter Services Required	Are helicopter services required?	Yes

#### Primary Tower

#### Other Tower Expenses Not Listed

Name	Description
Tower Permit Drawing Package	The generation of a permitting drawing package for one (1) broadcasters /customers.
Tower Project Management	(10) hours on Modification project management and (10) hours for RF installation project management for a total of ten (10) days,
Ground and Building A-E Permit Drawing Package	The generation of a permitting drawing package for one (1) broadcasters /customers.

#### Outside Professional

Section	Question	Response
Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	760
	Explanation	On site management of transmitter installation, line-antenna replacement, and tower work.
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	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
	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	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	No
	Number of Days	N/A
	Justification	N/A

Outside	Other Professional Services Expenses Not Listed		
Professiona	I Services Costs	Description	
	RF System Test	Testing of the combiner to ensure all frequencies are tuned for optimal patterns per attached ATC documentation.	

Site Coordination Meeting	Site coordination meetings with all broadcasters, contractors and vendors involved with the site project.
Transmitter Site Survey	Transmitter planning survey & transmitter building drawings
Non-Catalog legal expenses	Non-Catalog expenses for legal advice and services, including financial/reimbursement review, transition reporting, transition procedures, and other transition-related issues

## Other Expenses

Section	Question	Response
AM Pattern Disturbance	Is an Impact Study needed?	No
	Is Remediation needed?	No
Facility Expenses	Name	N/A
	Other Distributed Transmission System Expenses Not listed	N/A
	Name	N/A
	Is Notification of a Medical Facility required as a result of DTV broadcasting?	Yes
Permit and Filing Costs	Local Zoning	Yes
	Non-zoning permits	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)?	No
	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

#### Other Expenses Not Listed

Name	Description
ATC Tax	Tax on ATC provided equipment and services
ATC one-time tower rental	ATC one-time tower rental during market repack period per attached ATC documentation
Contract Labor	labor directly related to the station channel change

## **Cost Information**

#### **Transmitters**

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmitter ULXTE-80	\$1,639,738.14	\$1,639,738.14		\$1,622,261.02	
Change Order 1	\$10,941.50	\$10,941.50	copper plumbing kits	\$10,941.50	N/A
Change Order 2	\$22,885.61	\$22,885.61	8-pole mask filters	\$22,885.61	N/A
Sales Tax	\$80,682.03	\$80,682.03	transmitter sales tax per GatesAir invoices	\$80,682.03	N/A
Transmitter de-install	\$23,058.00	\$23,058.00	removal of old transmitter	\$5,790.00	N/A
RF Accessories	\$76,222.30	\$76,222.30	Additional RF components required for transmitter operation and integration into current RF environment per GatesAir quote	\$76,222.30	N/A
Transmitter insallation incidentals	\$5,000.00	\$5,000.00	equipment rental, additional supplies and services required for transmitter installation	\$4,790.88	N/A

Electrical Accessories	\$13,430.49	\$13,430.49	Transmitter manufacturer required surge protection and 300KVA transformer per attached GatesAir quote	\$13,430.49	N/A
Remote Control	\$3,405.00	\$3,405.00	per invoice	\$3,405.00	N/A
Other Electrical Service: Transmitter electrical installation hardware and labor	\$62,315.00	\$62,315.00	see Diamond Electrical quote attached to invoice	\$62,315.00	N/A
UHF - Liquid Cooled Solid State Transmitter 50.1 kW	\$1,297,531.50	\$1,297,531.50	GatesAir quote sections A, B & E. This is the transmitter, mask filter, installation and proof per the FCC "transmitter" definition. Also see attached document for transmitter size justification.	\$1,297,531.50	N/A
Change Orders	\$27,250.15	\$27,250.15	other needed transmitter items	\$27,250.15	N/A
Shipping	\$17,016.56	\$17,016.56	transmitter shipping per GatesAir quote invoice	\$17,016.56	N/A

Sub-total	\$1,639,738.14	\$1,639,738.14	N/A	\$1,622,261.02	N/A
Total for all systems	\$4,786,649.74	\$3,936,828.25	N/A	\$3,202,765.75	N/A

#### Components

A.4		
Actual Information Description	File Name	
Change Order 1		
	Component Description:	WKCF transmitter
	Component Description.	CO1
	Amount:	\$10,941.50
Change Order 2		
	Component Description:	WKCF transmitter
		CO2
	Amount:	\$22,885.61
Sales Tax		
	Component Description:	WKCF transmitter
		sales tax 2
	Amount:	\$465.97
	Component Description:	WKCF transmitter
	Compensit 2000 pilott	sales tax 1
	Amount:	\$80,216.06
Transmitter de-install		
	Component Description:	transmitter removal
		to provide space
		for repack
		transmitter
	Amount:	\$5,790.00
RF Accessories		
NE Accessories	Component Description	WKCF transmitter
	Component Description:	RF accessories
	Amount:	\$76,222.30
		+ -,

Transmitter insallation incidentals		
moidentais	Component Description:	WKCF transmitter
	Amount:	installation lift rental \$1,689.00
	Amount	ψ1,000.00
	Component Description:	WKCF transmitter
		installation lift
	Amaunt	rental 3
	Amount:	\$1,398.07
	Component Description:	WKCF transmitter
		GPS
	Amount:	\$1,043.99
	Component Description:	WKCF transmitter
		installation lift
		rental 2
	Amount:	\$659.82
Electrical Accessories		
	Component Description:	WKCF transmitter
		electrical
		accessories
	Amount:	\$13,430.49
Remote Control		
	<b>Component Description:</b>	WKCF remote
	A	control equipment
	Amount:	\$3,405.00
Other Electrical Service:		
Transmitter electrical	Component Description:	WKCF transmitter
installation hardware and labor		electrical
ıau∪l		installation
	Amount:	\$62,315.00

UHF - Liquid Cooled Solid State Transmitter 50.1 kW

Component Description: Transmitter 2nd

deposit

**Amount:** \$264,187.87

Component Description: WKCF transmitter

installation

**Amount:** \$82,198.75

Component Description: WKCF transmitter 4

**Amount:** \$318,904.14

**Component Description:** Transmitter 1st

deposit

**Amount:** \$151,024.44

Component Description: WKCF transmitter

one-third prior to shipping. Invoice with supporting documentation.

**Amount:** \$481,216.30

**Change Orders** 

Component Description: WKCF transmitter

Change Order Q-

80994

**Amount:** \$1,762.82

Component Description: WKCF transmitter

Change Order Q-

76084

**Amount:** \$2,903.35

Component Description: WKCF transmitter

Change Order Q-

79219

**Amount:** \$22,583.98

Shipping		
	Component Description:	WKCF transmitter
		shipping
	Amount:	\$17,016.56

## **Cost Information**

#### **Antennas**

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Antenna TFU-24WB /VP-1-R S230	\$207,296.39	\$166,191.99		\$166,191.99	
Combiner Connection	\$39,660.00	\$39,660.00	cost per ATC documentation	\$39,660.00	N/A
Combiner Installation	\$4,196.73	\$4,196.73	per attached ATC documentation	\$4,196.73	N/A
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	\$13,700.00	\$15,602.40	per attached ATC documentation	\$15,602.40	N/A
New combiner, cost per channel (without antenna)	\$84,200.00	\$44,548.20	per attached ATC documentation	\$44,548.20	N/A
Sweep test of existing antenna	\$6,730.00	\$3,375.00	per attached ATC documentation	\$3,375.00	N/A

UHF - High Power, Side Mount, basic slot antenna, 24 bay,, 1000 kW input, directional,, elliptically or circularly polarized	\$58,809.66	\$58,809.66	per attached ATC documentation	\$58,809.66	N/A
Primary Antenna TFU-27ETT- R 4C140	\$286,825.72	\$436,350.72		\$394,795.22	
Wedding Cake Mount Adapter	\$0.00	\$0.00	per Dielectric quote (WKCF Main Antenna quote.pdf) in attachments	\$0.00	N/A
Feed- through components	\$0.00	\$0.00	per Dielectric quote (WKCF Main Antenna quote.pdf) in attachments	\$0.00	N/A
Shipping	\$0.00	\$0.00	per Dielectric quote (WKCF Main Antenna quote.pdf) in attachments	\$0.00	N/A
Sales Tax	\$20,795.72	\$20,795.72	Florida Sales Tax	\$20,795.72	N/A
Mounting Pole extension	\$0.00	\$0.00	per Dielectric quote (WKCF Main Antenna quote.pdf) in attachments	\$0.00	N/A

Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$0.00	per Dielectric quote (WKCF Main Antenna quote.pdf) in attachments	\$0.00	N/A
UHF - High Power Top Mount (200- 1000 kW), One station antenna, horizontally polarized	\$247,000.00	\$415,555.00	per Dielectric quote (WKCF Main Antenna quote.pdf) in attachments	\$373,999.50	First invoice not itemized. Actual antenna price is \$230,728.00 per Dielectric quote (WKCF Main Antenna quote.pdf) in attachments
Sweep test of existing antenna	\$6,730.00	\$0.00	per Dielectric quote (WKCF Main Antenna quote.pdf) in attachments	\$0.00	N/A
Sub-total	\$494,122.11	\$602,542.71	N/A	\$560,987.21	N/A
Total for all systems	\$4,786,649.74	\$3,936,828.25	N/A	\$3,202,765.75	N/A

#### Components

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

Combiner Connection	Component Description:	WKCF combiner connection milestone 3 and
	Amount:	true-up \$9,915.00
	Component Description:	WKCF combiner connection
	Amount:	milestone 2 \$19,830.00
	Component Description:	WKCF combiner connection milestone 1
	Amount:	\$9,915.00
Combiner Installation		
	Component Description:	WKCF combiner installation milestone 3 and
	Amount:	true-up \$2,115.48
	Component Description:	WKCF combiner installation milestone 2
	Amount:	\$1,387.50
	Component Description:	WKCF combiner
		installation milestone 1
	Amount:	\$693.75

Elbow complex, broadband, at antenna input, per 6 1/8.		
eedline (if needed)	Component Description:	WKCF elbow
iodamio (ii riodddd)		complex
		milestone 3 and
		true-up
	Amount:	\$11,552.40
	Component Description:	WKCF elbow
	Component Description:	
		complex
	A	milestone 1
	Amount:	\$1,350.00
	Component Description:	WKCF elbow
		complex
		milestone 2
	Amount:	\$2,700.00
New combiner, cost per channel (without antenna)	Component Description:	WKCF combiner milestone 3 and
		true-up
	Amount:	\$1,685.70
	Component Description:	WKCF combiner
		milestone 1
	Component Description:  Amount:	
	Amount:	milestone 1
		milestone 1 \$14,287.50

Sweep test of existing antenna	Component Description:	WKCF sweep test milestone 1
	Amount:	\$1,125.00
	Component Description: Amount:	WKCF sweep test milestone 2 \$2,250.00
UHF - High Power, Side		
Mount, basic slot antenna, 24 bay,, 1000 kW input, directional,, elliptically or	Component Description:	WKCF interim antenna milestone
circularly polarized	Amount:	3 and true-up \$15,559.41
	Component Description:	WKCF interim
		antenna milestone 1
	Amount:	\$14,416.75
	Component Description:	WKCF interim antenna milestone
	Amount:	\$28,833.50
Wedding Cake Mount		
Adapter	Component Description:	WKCF antenna mount adapter
	Amount:	payment 2 N/A
Feed-through components		
	Component Description:	WKCF feed thru components
	Amount:	payment 2 N/A

Shipping		
	Component Description:	WKCF antenna shipping payment
		2
	Amount:	N/A
Sales Tax		
	Component Description:	WKCF Dielectric
		Sales Tax 1 rev 3
	Amount:	\$20,795.72
Mounting Pole extension		
	Component Description:	WKCF mounting
		pole payment 2
	Amount:	N/A
Elbow complex, single		
channel, at antenna input,	Component Description:	WKCF elbow
per 6 1/8. feedline (if needed)		complex payment
noodod)		2
	Amount:	N/A
UHF - High Power Top		
Mount (200-1000 kW), One station antenna, horizontally	Component Description:	Dielectric WKCF,
polarized		Main Antenna;
		9.19.2017; \$186.000.75
		\$186,999.75 payments 1&2 -
		45%
	Amount:	\$186,999.75
	Commonant Descriptions	\\\\\C_ ~-:-
	Component Description:	WKCF main antenna payment
		antenna payment
	Amount:	\$186,999.75

Sweep test of existing		
antenna	Component Description:	WKCF antenna
		and line sweep
		payment 2
	Amount:	N/A

### **Cost** Information

#### **Transmission Line**

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

Description Interim Transmission Line	Predetermined Cost Estimate \$630,399.46	Estimated Cost \$208,031.41	Estimated Cost Justification	Actual Cost \$206,712.82	Actual Cost Justification
Nitrogen Generator	\$1,655.66	\$1,655.66	per attached ATC documentation	\$1,655.66	N/A
Rigid Transmission Line - copper, 8 3 /16" broadband	\$608,475.00	\$186,106.95	per attached ATC documentation	\$186,106.95	N/A
Additional transmission line	\$20,268.80	\$20,268.80	per Dielectric Order Confirmation 1930015	\$18,950.21	N/A
Primary Transmission Line	\$373,700.00	\$355,200.00		\$306,984.50	
Rigid Transmission Line - copper, 6 1/8"	\$373,700.00	\$355,200.00	N/A	\$306,984.50	N/A
Sub-total	\$1,004,099.46	\$563,231.41	N/A	\$513,697.32	N/A
Total for all systems	\$4,786,649.74	\$3,936,828.25	N/A	\$3,202,765.75	N/A

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

Nitrogen Generator	Component Description:	WKCF nitrogen
	Amount:	generator true-up \$1,655.66
Rigid Transmission Line -		
copper, 8 3/16" broadband	Component Description:	WKCF
		transmission line
		milestone 3 and
		true-up
	Amount:	\$62,581.95
	Component Description:	WKCF
		transmission line
		milestone 2
	Amount:	\$82,350.00
	Component Description:	WKCF
	200	transmission line
		milestone 1
	Amount:	\$41,175.00

Additional transmission line

Component Description: WKCF sales tax

for Dielectric invoice 627032

**Amount:** \$196.86

Component Description: WKCF sales tax

for Dielectric invoice 627033

**Amount:** \$583.96

Component Description: WKCF additional

TL3

**Amount:** \$1,269.34

Component Description: WKCF additional

TL 1

**Amount:** \$3,281.00

Component Description: WKCF additional

TL 2

**Amount:** \$9,316.00

Component Description: WKCF additional

TL 4

**Amount:** \$2,224.50

Component Description: WKCF additional

TL 5

**Amount:** \$1,933.96

**Component Description:** WKCF sales tax

for Dielectric invoice 652007

**Amount:** \$144.59

Rigid Transmission Line -
copper, 6 1/8"

Component Description: WKCF Dielectric

transmission line payments 1&2 -

45%; \$132,934.50

**Amount:** \$132,934.50

Component Description: WKCF

transmission line

payment 3

**Amount:** \$41,115.50

Component Description: WKCF

transmission line

payment 2

**Amount:** \$132,934.50

## **Cost Information**

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

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

			Estimated		
Description	Predetermined Cost Estimate	Estimated Cost	Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower GTOWER	\$1,277,245.00	\$776,248.16		\$338,542.16	
Minor tower reinforcement /modifications	\$158,000.00	\$20,000.00	per attached ATC documentation	\$20,000.00	N/A
Tower Helicopter Lift	\$673,395.00	\$673,395.00	per attached CTC agreement	\$235,689.00	N/A
Ground and Building A-E Permit Drawing Package	\$0.00	\$0.00	per attached ATC documentation	N/A	N/A
Structural engineering tower load study for a documented tower with candelabra	\$20,000.00	\$13,675.82	per updated ATC documentation with tax	\$13,675.82	а
Tower Project Management	\$2,500.00	\$2,500.00	per attached ATC documentation	\$2,500.00	N/A
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$64,327.34	per attached ATC documentation	\$64,327.34	N/A

Tower Permit Drawing Package	\$2,350.00	\$2,350.00	per attached ATC documentation	\$2,350.00	N/A
Sub-total	\$1,277,245.00	\$776,248.16	N/A	\$338,542.16	N/A
Total for all systems	\$4,786,649.74	\$3,936,828.25	N/A	\$3,202,765.75	N/A

Actual Information Description	File Name	
Minor tower reinforcement /modifications	Component Description:	WKCF tower modifications
	Amount:	milestone 2 \$8,750.00
	Component Description:	WKCF tower modifications milestone 3 with
	Amount:	true-up \$6,875.00
	Component Description:	WKCF tower modifications milestone 1
	Amount:	\$4,375.00
Tower Helicopter Lift		
	Component Description:	WKCF main antenna installation down
	Amount:	payment \$235,689.00
Ground and Building A-E Permit Drawing Package	Information not provided.	

Structural engineering tower load study for a documented tower with candelabra	Component Description:	WKCF tower structural analysis
	Amount:	\$4,888.00
	Component Description:	WKCF tower
		mapping
	Amount:	\$8,787.82
Tower Project Management		
	Component Description:	WKCF tower
		project
		management
		milestone 3 and
		true-up
	Amount:	\$625.00
	Component Description:	WKCF tower
		project
		management
		milestone 1
	Amount:	\$625.00
	Component Description:	WKCF tower
	Compension 2000 iption	project
		management
		milestone 2
	Amount:	\$1,250.00

Complex Tower (includes, for example, those with **Component Description:** WKCF tower work candelabras and/or stacked milestone 3 and antennas) true-up \$26,827.34 Amount: **Component Description:** WKCF tower work milestone 1 Amount: \$12,500.00 WKCF tower work **Component Description:** milestone 2 Amount: \$25,000.00 **Tower Permit Drawing** Package **Component Description:** WKCF tower permit drawing package true-up \$2,350.00 Amount:

## **Cost Information**

#### **Outside Professional Services**

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Co
Outside Professional Services	\$228,348.33	\$213,536.13		\$64,130.14	
Non-Catalog legal expenses	\$20,000.00	\$20,000.00	Non-Catalog expenses for legal advice and services, including financial /reimbursement review, transition reporting, transition procedures, and other transition- related issues	\$7,465.22	N/A
Transmitter Site Survey	\$20,600.00	\$20,600.00	Transmitter planning survey & transmitter building drawings	\$20,600.00	N/A
Site Coordination Meeting	\$1,000.00	\$1,000.00	per attached ATC documentation	\$1,000.00	N/A
RF System Test	\$3,333.33	\$3,333.33	Testing of the combiner to ensure all frequencies are tuned for optimal patterns per attached ATC documentation	\$3,333.33	N/A

RF Exposure Measurements	\$21,050.00	\$20,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$7,360.00	\$3,500.00	N/A	N/A	N/A
Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$15,967.80	see associated invoices	\$15,967.80	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	\$1,891.62	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	N/A	\$812.50	N/A
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	\$1,580.00	\$1,535.00	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	\$2,050.00	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	\$2,012.50	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,300.00	per attached ATC documentation and Chesapeake RF Consultant invoices	\$7,300.00	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	\$1,247.17	N/A
Project management of the transition	\$120,080.00	\$100,000.00	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	\$2,500.00	N/A
Sub-total	\$228,348.33	\$213,536.13	N/A	\$64,130.14	N/A
Total for all systems	\$4,786,649.74	\$3,936,828.25	N/A	\$3,202,765.75	N/A

Actual Information Description	File Name	
Non-Catalog legal expenses		
	Component Description:	WKCF non-catalog legal 3
	Amount:	\$1,363.00
	Component Description:	WKCF non-catalog
		legal 2
	Amount:	\$3,690.02
	Component Description:	WKCF non-catalog legal 1
	Amount:	\$2,412.20
Transmitter Site Survey		
	Component Description:	WKCF GatesAir
		Site survey
	Amount:	\$20,600.00

Site Coordination Meeting		
	Component Description:	WKCF site coordination mtng milestone 3 and
	Amount:	true-up \$250.00
	Component Description:	WKCF site coordination mtng
	Amount:	milestone 1 \$250.00
	Component Description:	WKCF site coordination mtng milestone 2
	Amount:	\$500.00
RF System Test		
	Component Description:	WKCF interim RF system test milestone 3 and
	Amount:	true-up \$833.58
	Component Description:	WKCF interim RF system test
	Amount:	milestone 1 \$833.25
	Component Description:	WKCF interim RF system test milestone 2
	Amount:	\$1,666.50
RF Exposure Measurements	Information not provided.	
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.	

Attorney Fees - Negotiation of lease and other matters for shared locations	Component Description: Amount:	WKCF legal for lease negotiations 2 \$348.75
	Component Description: Amount:	WKCF legal for lease negotiations 3 \$6,835.50
	Component Description: Amount:	WKCF legal for lease negotiations 1 \$8,783.55
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.	
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Component Description:	WKCF Prepare and File FCC Form 2100, Construction Permit Application
	Amount:	\$837.10
	Component Description:	WKCF Prepare and File FCC Form 2100, Construction
	Amount:	Permit Application 2 \$1,054.52
Prepare request for Special Temporary Authorization	Component Description:	WKCF RF
		consulting for interim antenna STA
	Amount:	\$812.50

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	Component Description:	Prepare engineering section of FCC Form 2100, Construction Permit Application
	Amount:	\$2,012.50

Perform engineering study for new channel assignment and antenna development

Component Description: engineering study

for new channel assignment

**Amount:** \$1,375.00

Component Description: WKCF interim

antenna development milestone 3 and

true-up

**Amount:** \$1,250.00

Component Description: WKCF interim

antenna development milestone 1

**Amount:** \$1,250.00

Component Description: engineering study

for new channel assignment

**Amount:** \$800.00

Component Description: WKCF engineering

study for new

channel assignment

**Amount:** \$125.00

Component Description: WKCF interim

antenna development milestone 2

**Amount:** \$2,500.00

Prepare and or review reimbursement form		
	Component Description:	WKCF Prepare and
		or review/reimbursement
		Form 399 2
	Amount:	\$300.07
	, uno and	<b>\$</b>
	Component Description:	WKCF Prepare and
		/or review
		reimbursement
	A ma a count o	Form 399
	Amount:	\$947.10
Project management of the	Information not provided.	
transition		
Address transition timing and coordination issues w/		
other stations and wireless	Component Description:	WKCF transition
other stations and wheless		coordination
		milestone 3 and
		true-up
	Amount:	\$625.00
	Component Description:	WKCF transition
	Component Description.	coordination
		milestone 1
	Amount:	\$625.00
	Component Description:	WKCF transition
	-	coordination
		milestone 2
	Amount:	\$1,250.00

# **Cost Information**

#### **Other Expenses**

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cos
Other Expenses	\$143,096.70	\$141,531.70		\$103,147.90	
ATC one-time tower rental	\$57,600.00	\$57,600.00	ATC one-time tower rental during market repack period per attached ATC documentation.	\$57,600.00	N/A
MVPD Notification of Channel Change	\$3,540.00	\$3,540.00	MVPD notification	\$3,540.00	N/A
Develop and air announcement of upcoming channel change	\$2,500.00	\$2,500.00	Attorney review to ensure FCC compliance	N/A	N/A
Equipment Storage	\$30,500.00	\$30,500.00	Estimate for 1 year of antenna storage. See attached Dielectric document.	N/A	N/A
Equipment Delivery and Handling Charges	\$3,375.00	\$3,375.00	per attached ATC documentation	\$3,375.00	N/A
Local Zoning	\$1,000.00	\$1,000.00	per attached ATC documentation	\$1,000.00	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	\$10,000.00	N/A	\$5,131.20	N/A
ATC Tax	\$28,292.24	\$28,292.24	per ATC invoices	\$28,292.24	N/A
Contract Labor	\$4,209.46	\$4,209.46	accounting labor directly related to the Spectrum Repack project	\$4,209.46	N/A
Sub-total	\$143,096.70	\$141,531.70	N/A	\$103,147.90	N/A
Total for all systems	\$4,786,649.74	\$3,936,828.25	N/A	\$3,202,765.75	N/A

Actual Information Description	File Name	
ATC one-time tower rental	Component Description: Amount:	WKCF interim antenna rental 2 \$51,587.81
	Component Description: Amount:	WKCF interim antenna rental 1 \$6,012.19

MVPD Notification of Channel Change	Component Description:	WKCF MVPD
	Amount:	notification \$3,540.00
Develop and air announcement of upcoming channel change	Information not provided.	
Equipment Storage	Information not provided.	
Equipment Delivery and Handling Charges	Component Description:	WKCF interim delivery and handling milestone 2
	Amount:	\$2,250.00
	Component Description:	WKCF interim delivery and handling milestone 1
	Amount:	\$1,125.00
Local Zoning		
	Component Description: Amount:	WKCF building permit true-up \$1,000.00
FCC Filing Fees - Special Temporary Authorization request	Information not provided.	
FCC Filing Fees - Form 2100 license to cover application	Information not provided.	
DTV Medical Facility Notification	Component Description:	WKCF medical
	Amount:	\$5,131.20

	Component Descriptions	WKCF sales t
	Component Description:	for ATC invoice
		milestone 3 ar
		true-up
	Amount:	\$8,742.09
	Component Description:	WKCF sales ta
	Programme Programme	for ATC invoice
		milestone 2
	Amount:	\$12,963.74
	Component Description:	WKCF sales ta
	i i	for ATC invoice
		milestone 1
	Amount:	\$6,586.41
Contract Labor		
	Component Description:	WKCF
		accounting lab
	Amount:	\$4,209.46

# Cost Information

#### **Grand Total**

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$4,786,649.74	\$3,936,828.25	\$3,202,765.75

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

Section Question Response

### Submission of Estimated Expenses Statements

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

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

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

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

I declare, under penalty of perjury, that I am an authorized representative of the abovenamed applicant for the Authorization(s) specified above. John Drain Hearst Television SVP Chief Financial Officer

02/18/2020

Section Question Response

# Submission of Actual Cost Documentation Statements

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

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

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

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

I declare, under penalty of perjury, that I am an authorized representative of the abovenamed applicant for the Authorization(s) specified above. Douglas
Durkee
Hearst
Television
Manager of
Spectrum
Repack

02/18/2020

#### **Attachments**