

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

35908 Service: DTV Call **WVLT-TV** Channel: 34 (UHF) Facility Sign:

File 0000028735

Number:

ID:

FRN: 0018223693 Date 05/18

> Submitted: /2020

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
GRAY TELEVISION LICENSEE, LLC Doing Business As: WVLT-TV	4370 Peachtree Road, NE Atlanta, GA 30319 United States	+1 (404) 504-9828	allfcclms@gray. tv	Limited Liability Company

Reimbursement Contact Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Information

Preparer Contact Name and Information

Applicant	Address	Phone	Email
Samuel Hariton Widelity	Samuel Hariton 4031 University Dr Suite 100 Fairfax, VA 22030 United States	+1 (339) 222-8107	sam.hariton@widelity.com

Broadcaster Information and Transition Plan

Question	Response
Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.	Yes
Briefly describe transition plan	The station will continue to use the existing broadband antenna and transmission line and replacing the existing transmitter with a new transmitter. Interim facilities are not needed.

Transmitters

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

Primary Transmitter

Existing Transmitter Information

Section	Question	Response
Existing Transmitter	Type of change	Purchase New
Description	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter	Manufacturer	
Manufacturer and Type	Model	Sigma DD, 3200P2CFUPG
	Year	2002
	Туре	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	50 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	ULXTE90
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	56.4 kW
	Justification for New Transmitter	Transmitter cannot be retuned and must be replaced.

Primary Transmitter

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	Yes
	Power	300 kVA
	Rigid Conduit and Wiring	No
	Size	N/A
	Length	N/A
	Other Electrical Service	Yes

	Description	The new transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors.
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Туре	Heating and Cooling
	Size	20 tons
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
Improvement	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Primary Transmitter

Other Transmitter Cost Not Listed

Name	Description
Installation and Proof	Installation of the new Transmitter
Mask Filter	Mask filter required for the new transmitter model

Freight	Freight to the station location
RF Accessories	Accessories required for new transmitter installation

Antennas

Section	Question	Response
Antenna Related Expenses	Do you have antenna related expenses?	No

Transmission	Seftien .	Question	Response
	Transmission Line Related Expenses	Do you have transmission line related expenses?	No

Tower Equipment And Rigging Costs

Section	Question	Response
Tower Equipment or Rigging Costs Changes	Do you have tower equipment or rigging costs changes?	No

Outside Professional

Section	Question	Response
Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	900
	Explanation	Strategic Support
Outside RF consulting Engineering Services	Perform engineering study for new channel assignment and antenna development	Yes
	Prepare engineering section of Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes

	Quantity	1
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
Attorney and Other Outside Consulting	Prepare and file Form FCC Construction Permit Application	Yes
Services	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	No
	Quantity	N/A
	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	No

Number of Days	N/A
Justification	N/A

Outside Professional

Other Professional Services Expenses Not Listed

Services Costs	Description
Sweep Test of Existing Antenna	WVLT's share of sweep test costs during transition as part of ATC Capital Contribution. See ATC document 460204845
Sweep Test of New Primary Antenna	WVLT's share of sweep test costs post- transition as part of ATC Capital Contribution. See ATC document 460204845
Attorney Fees - Other Matters	Legal Service

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

Other Expenses

Other Expenses Not Listed

Name	Description
Combiner	Anticipated 1/3 expense on new combiner TBD by American Tower
Security	On site security during equipment storage period
Tower Analysis	Tower Analysis required by American Tower

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 Cos Justificatio
Primary Transmitter ULXTE90	\$2,210,433.56	\$1,647,254.79		\$1,643,119.22	
Other Electrical Service: The new transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors.	\$40,653.37	\$40,653.37	see Estimated Cost Justification WVLT-110- Electrical Service New 1st Primary Transmitter v0	\$37,022.82	N/A
Freight	\$15,541.46	\$15,541.46	Please see Estimated Cost Justification WVLT-110- Freight v0	\$15,541.46	Z
Mask Filter	\$80,680.12	\$80,680.12	Please see Estimated Cost Justification WVLT-110- Mask Filter System v0	\$80,680.11	N/A

RF Accessories	\$40,944.26	\$40,944.26	Please see Estimated Cost Justification WVLT-110- RF Accessories v0	\$40,944.26	N/A
20 Ton system	\$115,500.00	\$30,610.98	Please see Estimated Cost Justification WVLT-110- HVAC New 1st Primary Transmitter v2	\$30,610.98	N/A
Installation and Proof	\$92,314.35	\$92,314.35	Please see attached Gatesair invoice JW30004400- 1	\$92,314.35	N/A
UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW	\$1,788,000.00	\$1,343,566.34	Please see Estimated Cost Justification WVLT-110- New 1st Primary Transmitter v1	\$1,343,061.34	invoices
Transformer 3 phase/480v - 300 KVA	\$36,800.00	\$2,943.91	GatesAir Quote Q- 75837	\$2,943.90	N/A
Sub-total	\$2,210,433.56	\$1,647,254.79	N/A	\$1,643,119.22	N/A
Total for all systems	\$2,695,973.19	\$2,119,764.12	N/A	\$1,831,845.86	N/A

Components

Actual Information	
Description	File Name

Other Electrical Service: The new transmitter will require reconfiguration of the electrical service on site. The electrical work	Component Description: Amount:	Labor \$28,551.55
cost has been estimated based on verbal guidance from local electrical contractors.	Component Description: Amount:	Electrical Service \$8,471.27
Freight		
	Component Description: Amount:	Freight \$9,450.00
	Component Description: Amount:	WVLT-110-Freight \$6,091.46
Mask Filter		
	Component Description:	WVLT-110-Mask
		Filter System
	Amount:	\$27,813.62
	Component Description:	Mask Filter
	Amount:	\$52,398.48
	Component Description:	WVLT-110-Mask
		Filter System
	Amount:	\$468.01

RF Accessories

Component Description: WVLT-110-RF

Accessories

Amount: \$14,115.11

Component Description: RF Accessories

Amount: \$26,591.64

Component Description: WVLT-110-RF

Accessories

Amount: \$237.51

20 Ton system		
	Component Description:	Steel Logtite
	Amount:	\$79.13
	Component Description:	Core drill (9) 2 1/2"
	Component Description.	diameter holes x 8"
		filled block wall
	Amount:	\$505.00
	Component Description	Water
	Component Description: Amount:	\$119.85
	Amount.	ψ119.00
		00.7
	Component Description:	20 Ton Installation
		for Sharps Ridge Site
	Amount:	\$7,374.00
	Amount.	ψ1,514.00
	Common of Boomins	00 Tara kantallatian
	Component Description:	20 Ton Installation
		for Sharps Ridge Site
	Amount:	\$22,123.00
	, and and	V EZ, 120.00
	Component Description:	Core drill (8) 2 1/2"
	Component Description.	dia holes x 12"
		filled block wall
	Amount:	\$410.00
stallation and Proof		
	Component Description:	Installation & Proof
	Amount:	\$64,620.04
	Component Description:	WVLT-110-
	A	Installation & Proof
	Amount:	\$27,694.31

UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW

Component Description:
Amount:

Transmitter \$387,918.94

Component Description:

R40624 Elbow 6-

50

Amount:

\$1,715.26

Component Description:

RTLSCR650-5 T/L a Lenght up to 5'

Amount:

\$3,440.19

Component Description:

ULXTE90

Amount:

Transmitter \$89,572.41

Component Description:

Amount:

Transmitter \$857,174.54

Component Description:

REMOVAL OF TRANSMITTER

Amount:

\$3,240.00

Transformer 3 phase/480v

- 300 KVA

Component Description:

WVLT-110-New 1st

Primary
Transmitter -

Transformer

Amount:

\$2,877.69

Component Description:

WVLT-110-New 1st

Primary
Transmitter -

Transformer

Amount:

\$66.21

Cost Antennas

Information Information not provided.

Cost Transmission Line

Information Information not provided.

Cost Tower Equipment and Rigging Costs

Information Information not provided.

Cost Outside Professional Services

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 Co
Outside Professional Services	\$261,670.00	\$257,317.20		\$105,054.67	
Attorney Fees - Other Matters	\$740.00	\$740.00	WVLT-TV Justification New Category Attorney Other Matters	\$740.00	N/A
Sweep Test of New Primary Antenna	\$5,000.00	\$5,000.00	See ATC document 460204845 - WVLT's share of sweep test costs post transition as part of ATC Capital Contribution.	\$5,000.00	N/A

Sweep Test of Existing Antenna	\$2,500.00	\$2,500.00	See ATC document 460204845 - WVLT's share of sweep test costs during transition as part of ATC Capital Contribution.	\$2,500.00	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$87,400.00	Allen Dick antenna system has no documentation, will require coverage verification for new channel.	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,458.13	State and local taxes included	\$305.00	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,462.50	State and local taxes included	\$936.50	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$730.82	Estimated Cost Justification WVLT-590- Prepare Request for Special Temporary Authorization v0	\$730.82	N/A

Total for all systems	\$2,695,973.19	\$2,119,764.12	N/A	\$1,831,845.86	N/A
Prepare and or review reimbursement form	\$2,630.00 \$261,670.00	\$2,731.25 \$257,317.20	State and Local Taxes included N/A	N/A \$105,054.67	N/A
Project management of the transition	\$142,200.00	\$135,000.00	900 hours at \$150 per hour	\$85,910.35	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,731.25	State and local taxes included	\$1,332.00	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,647.00	State and local taxes included	\$5,662.50	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,277.50	State and local taxes included	\$1,687.50	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,638.75	State and local taxes included	\$250.00	N/A

Components

Actual Information Description	File Name	
Attorney Fees - Other Matters	Component Description: Amount:	Total Professional Services \$740.00
Sweep Test of New Primary Antenna	Component Description: Amount:	Sweep Test of New Primary Antenna \$5,000.00
Sweep Test of Existing Antenna	Component Description: Amount:	Sweep Test of Existing Antenna \$2,500.00
Comprehensive coverage verification via field study, if needed	Information not provided.	
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Component Description: Amount:	WVLT-550- Attorney License to Cover \$305.00
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Component Description: Amount:	WVLT-550- Attorney CP \$740.00
	Component Description:	Work on and file WVLT initial repack CP
	Amount:	\$196.50

Prepare request for Special Femporary Authorization	Component Description:	Total Professional
	Component Description.	Services
	Amount:	\$105.82
	Component Description:	Develop technical parameters for
		operation at
		reduced power on
	Amount:	pre-auction ch-30. \$625.00
		\$020.00
Prepare engineering section of FCC Form 2100		MA // T 500 DE 5
(main), License to Cover	Component Description:	WVLT-530-RF Eng License to Cover
Application	Amount:	\$250.00
		V _00.00
Prepare engineering section of FCC Form 2100		
(main), Construction Permit	Component Description: Amount:	CP application
Application	Amount:	\$1,562.50
	Component Description:	support response
		to review of
		reimbursement
		form 399
	Amount:	\$125.00

Perform engineering study for new channel Regarding **Component Description:** assignment and antenna Operation of development repack Ch-34 \$125.00 Amount: **Component Description:** Perform engineering study for new channel assignment \$537.50 **Amount: Component Description:** RF Eng Study **Amount:** \$5,000.00 Address transition timing and coordination issues w/ **Component Description:** Review linked set other stations and wireless for WVLT; work on coordination with linked group for transition logistics. Amount: \$1,332.00 Project management of the transition **Component Description: Project** Management Amount: \$1,835.40 **Component Description: Project** management

Amount: \$1,328.55

Component Description: Project

Management

\$2,397.10 **Amount:**

Component Description: Project

Management

Amount: \$2,694.40 Component Description: Project

Management

Amount: \$2,373.80

Component Description: Project

Management

Amount: \$2,034.20

Component Description: Project

Management

Amount: \$2,858.75

Component Description: Project

Management

Amount: \$2,664.70

Component Description: Project

Management

Amount: \$3,422.00

Component Description: Project

Management

Amount: \$6,260.75

Component Description: Project

Management

Amount: \$4,032.15

Component Description: Project

Management

Amount: \$2,249.65

Component Description: Transition Related

Project

Management Costs

Amount: \$2,100.00

Component Description:

Project Management

Amount:

\$2,273.85

Component Description:

Project

Amount:

Management \$2,777.30

Component Description:

Project

Amount:

Management \$2,216.05

Project

Component Description:

Management

Amount:

\$3,883.15

Component Description:

Project

Amount:

Management

\$1,818.75

Component Description:

Project

Amount:

management

\$2,442.65

Component Description:

Project

Amount:

management \$2,231.90

Component Description:

Project Management

Amount:

\$2,881.20

Component Description:

Amount:

Project Mgt

\$2,927.30

Component Description: Project

Management

Amount: \$2,158.20

Component Description: Project

Management

Amount: \$1,642.75

Component Description: Project Mgt

Amount:

\$755.80

Component Description: Project

Management

Amount: \$1,984.45

Component Description: Project

Management

Amount: \$1,941.85

Component Description: Project

Management

Amount: \$1,656.85

Component Description: Project

Management

Amount: \$1,927.35

Component Description: Project

Management

Amount: \$2,314.90

Component Description: Project

Management

Amount: \$3,280.65

Component Description:

Amount:

Project Mgt \$951.45

Component Description:

Project

Amount:

Management \$2,071.40

Component Description:

Amount:

Project Mgt

\$28.20

Component Description:

Amount:

Project Mgt

\$802.25

Component Description:

Amount:

Project Mgt

\$2,656.30

Component Description:

Project

Management

Amount:

\$2,034.35

Prepare and or review reimbursement form

Information not provided.

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 Cost Justification
Other Expenses	\$223,869.63	\$215,192.13		\$83,671.97	
Tower Analysis	\$7,500.00	\$7,500.00	See vendor invoice	N/A	N/A
Security	\$12,000.00	\$12,000.00	N/A	N/A	N/A
Combiner	\$109,814.63	\$109,814.63	See American Tower attachment	\$71,200.00	N/A
MVPD Notification of Channel Change	\$2,000.00	\$2,000.00	Justifying Quote - Wiley Rein MVPD quote - all gray stations	\$2,000.00	N/A
Develop and air announcement of upcoming channel change	\$10,000.00	\$10,000.00	N/A	N/A	N/A
Equipment Storage	\$12,000.00	\$12,000.00	N/A	\$792.65	N/A
Equipment Delivery and Handling Charges	\$18,138.00	\$18,138.00	N/A	\$1,554.82	N/A

Disposal Costs (for	\$40,337.00	\$40,337.00	See attached	\$4,912.00	N/
equipment and			Funderburk		
other waste,			Electrical		
net of any			Services,		
salvage value)			Inc. quote		
-			for		
			transformer		
			removal		
			and		
			disposal,		
			cost		
			\$4,912.		
			See		
			attached		
			quote from		
			Kevin		
			Duplantis for		
			transmitter		
			removal		
			and		
			disposal,		
			cost per		
			quote,		
			\$35,425.		
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A
FCC Filing	\$335.00	\$335.00	Please see	\$335.00	N/
Fees - Form			Estimated		
2100 license			Cost		
to cover			Justification		
application			WVLT-610-		
			License to		
			Cover FCC		
			Filing Fees		
			v0		
DTV Medical Facility Notification	\$11,550.00	\$2,877.50	N/A	\$2,877.50	N/
Sub-total	\$223,869.63	\$215,192.13	N/A	\$83,671.97	N/
Total for all systems	\$2,695,973.19	\$2,119,764.12	N/A	\$1,831,845.86	N/

Components

Actual Information Description	File Name	
Tower Analysis	Information not provided.	
Security	Information not provided.	
Combiner	Component Description: Amount:	Capital Contribution- Knoxville TN \$71,200.00
MVPD Notification of Channel Change	Component Description: Amount:	Total Professional Services \$2,000.00
Develop and air announcement of upcoming channel change	Information not provided.	
Equipment Storage	Component Description: Amount:	25'X10' PREMIUM DOOR CONTAINER DX25SZJ1092 \$792.65
Equipment Delivery and Handling Charges	Component Description: Amount:	Forklift variable reach 7000# 38- 44' \$1,554.82
Disposal Costs (for equipment and other waste, net of any salvage value)	Component Description: Amount:	FURNISH LABOR AND MATERIAL \$4,912.00

FCC Filing Fees - Special Temporary Authorization request	Information not provided.	
FCC Filing Fees - Form 2100 license to cover application	Component Description: Amount:	WVLT-610- License to Cover FCC Filing Fees \$335.00
DTV Medical Facility Notification	Component Description: Amount:	Medical Notification \$2,877.50

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$2,695,973.19	\$2,119,764.12	\$1,831,845.86

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

Attachments