

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

168750 Service: DCA KSBS-CD Channel: 19 (UHF) Facility Call Sign:

ID:

File 0000024837

Number:

FRN: **0002710192** Date 04/12

> Submitted: /2018

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
CHANNEL 3 TV COMPANY, LLC Doing Business As: KCDO-TV/KSBS-CD	Greg Armstrong 3001 S Jamaica Ct. Ste 210 Aurora, CO 80014 United States	+1 (303) 925-0303	garmstrong@ch3tv.com	Limited Liability Company

Reimbursement Contact Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Information

Preparer Contact Name and Information

Applicant	Address	Phone	Email
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	A Project Manager has been hired to work under station supervision to design and build a replacement facility on reassigned channel 19 and includes a new transmitter, antenna and flash transition with no interim facilities.

Transmitters

rs	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	Dynamar
	Year	2012
	Туре	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	.7 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?	No
	Manufacturer	
	Model	EC Series
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	.8 kW
	Justification for New Transmitter	In order to do a flash cut to avoid an extended off air period a new transmitter is required as the station has no current standby facility.

Primary Transmitter

Other Transmitter Costs

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	Adding 50 amp 240 volt service to support additional transmitter and HVAC load.
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Туре	Cooling Only
	Size	Other
	Other Size	1 tons
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
Proof and Test	Cost of outside engineer and rental equipment to proof and test transmitter in output switching.
Inside RF System	Materials to adapt output load switching.

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?	No
Existing Antenna	Class	Class A
Manufacturer and Type	Mounting	Side Mount
	Antenna position in stack	Middle
	Polarization	Elliptical
	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)	15.0 kW

Manufacturer	
Model	PSILP 8CRC-41- CP Custom
Year	2012

New Antenna Costs

New Antenna Description	Use	Primary (Main)
		(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?	No
New Antenna	Class	Class A
Manufacturer and Types	Mounting	Side Mount
	Antenna position in stack	Middle
	Polarization	Elliptical
	Туре	Broadband Panel
	Number of Stations Supported	1
	Number of Panels/Bays	2
	Lower Limit	470.00 MHz
	Upper Limit	806.00 MHz
	Design power capacity in use	40.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	9.4 kW
	Manufacturer	

Model	TUM-TU-02 /02M-T
Year	2017
Justification for New Antenna	Current antenna is single channel on channel 41 and reassigned channel is 19.

Other Antenna Costs

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?	No
	Broadband or Single Channel?	N/A
	Feed Line Size	N/A
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

Other Antenna Cost Not Listed

Transmission ^{Seffien}	Question	Response
Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

Primary Transmission Line

Existing Transmission Line

n Line Section	Question	Response
Existing Transmission Line Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	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	Flexible Foam
	Diameter	1 5/8 inches
	Other Diameter	N/A
	Segment Length	N/A
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	59 feet per run

Primary

New Transmission Line

Transmissio	n 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	Flexible Foam
		Diameter	1 5/8 inches
		Other Diameter	N/A
		Segment Length	N/A
		Other Segment Length	N/A
		Number of parallel runs	1
		Length	66 feet per
	Justification for New Transmission Line	Increased line length to meet new construction permit height of new antenna.	

Primary Other Transmission Line Expenses Not Listed

Transmission loine tion not provided.

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

	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Is this tower consider Complex?	No
	Is this tower currently shared with any other stations?	Yes
	One or more FM, AM or TV radio broadcaster(s)	No
	Others Types of Users	Yes
	Is tower documented for structural analysis?	No
	Is tower compliant with Rev G?	Unknown
Existing Tower	Do you have a tower registration number?	No
Structure Registration	ASR Number	
Coordinates (NAD83 (Latitude (NAD83)	39° 43' 45.9" N-
North American Datum of 1983))	Longitude (NAD83)	105° 14' 09.9" W-
	Overall Structure Height	66.10 feet
	Support Structure Height	50.50 feet
	Ground Elevation Above Mean Sea Level (AMSL)	7358.90 feet

Structure Type	GTOWER - Guyed Structure Used for Communication
Tower Owner	Purposes Mauna Towers, LLC
Date Constructed	01/01/1980

Other Types of Users

Users
6 FM stations
4 LPTV stations

Primary Tower

Tower Modification Costs

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

Primary Tower

Tower Rigging Costs

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

Primary Tower

Other Tower Expenses Not Listed

Outside Professional

Section	Question	Response
Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	520
	Explanation	Station lacks an experienced person on its small staff to execute this transition so a contract with a Project Manager is necessary.
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	No
	Quantity	N/A
	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	Yes
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

Outside
Outside
Professional Services Expenses Not Listed
Professional Services © ostsided.

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	No
	FCC Special Temporary Authority Application	No
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 Not Listed

Expenses Information not provided.

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 EC Series	\$70,500.00	\$70,500.00		\$0.00	
Inside RF System	\$6,500.00	\$6,500.00	N/A	N/A	N/A
Proof and Test	\$12,000.00	\$12,000.00	N/A	N/A	N/A
Other HVAC Service Type: C Size:1 (Other)	\$2,500.00	\$2,500.00	N/A	N/A	N/A
UHF - Air Cooled Solid State Transmitter .8 kW	\$45,000.00	\$45,000.00	N/A	N/A	N/A
Other Electrical Service: Adding 50 amp 240 volt service to support additional transmitter and HVAC load.	\$4,500.00	\$4,500.00	N/A	N/A	N/A
Sub-total	\$70,500.00	\$70,500.00	N/A	\$0.00	N/A
Total for all systems	\$604,624.00	\$241,000.00	N/A	\$16,724.13	N/A

Components

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
Primary Antenna TUM-TU-02 /02M-T	\$35,550.00	\$31,500.00		\$0.00	
UHF - Lower Power Side Mount, Class A One Station antenna basic	\$26,300.00	\$28,000.00	Current antenna is "slot" design. 1st proposed TUM-TV- 0202M is a panel, which would increase wind load on tower structure. New replacement, Dielectric TLP-8M/VP- R-BB, is a slot design, solving wind- load issue. \$3,000 est. installation cost.	N/A	N/A
UHF - Lower Power Side Mount, Class A broadband panel (cost per panel)	\$2,520.00	\$0.00	N/A	N/A	N/A

Sweep test of existing antenna	\$6,730.00	\$3,500.00	N/A	N/A	N/A
Sub-total	\$35,550.00	\$31,500.00	N/A	\$0.00	N/A
Total for all systems	\$604,624.00	\$241,000.00	N/A	\$16,724.13	N/A

Components

Cost Information

Transmission Line

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmission Line	\$1,584.00	\$6,200.00		\$0.00	
Flexible Foam Transmission Line - dielectric, 1 5 /8"	\$1,584.00	\$6,200.00	The Catalog of Estimated Cost price of \$23/ foot appears to be based on 1,000-ft. lengths and does not scale down to 66 feet with hangers, other accessories, and installation costs.	N/A	N/A
Sub-total	\$1,584.00	\$6,200.00	N/A	\$0.00	N/A
Total for all systems	\$604,624.00	\$241,000.00	N/A	\$16,724.13	N/A

Components

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).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification		Actual Cost Justification
Primary Tower GTOWER	\$268,500.00	\$20,500.00		\$0.00	
Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$8,500.00	N/A	N/A	N/A
Minor tower reinforcement /modifications	\$158,000.00	\$6,000.00	N/A	N/A	N/A
Short Tower (less than 500')	\$84,200.00	\$6,000.00	N/A	N/A	N/A
Sub-total	\$268,500.00	\$20,500.00	N/A	\$0.00	N/A
Total for all systems	\$604,624.00	\$241,000.00	N/A	\$16,724.13	N/A

Components

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 Cost Justification
Outside Professional Services	\$212,390.00	\$104,750.00		\$16,724.13	
RF Exposure Measurements	\$21,050.00	\$6,000.00	N/A	N/A	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$15,000.00	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 - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$5,000.00	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/A

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$0.00	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$3,500.00	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	\$2,500.00	N/A
Project management of the transition	\$82,160.00	\$60,000.00	N/A	\$5,724.13	N/A
Sub-total	\$212,390.00	\$104,750.00	N/A	\$16,724.13	N/A
Total for all systems	\$604,624.00	\$241,000.00	N/A	\$16,724.13	N/A

Components

Actual Information Description	File Name
RF Exposure Measurements	Information not provided.
Comprehensive coverage verification via field study, if needed	Information not provided.

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: Amount:	Attorney Fees: prepare and file Construction Permit Application \$4,950.00
	Component Description: Amount:	Attorney Fees: prepare for Construction Permit application \$50.00
Prepare engineering section of FCC Form 2100 (main), License to Cover 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

Component Description: Engineering study

work for new

channel assignment

Amount: \$500.00

Component Description: Engineering study

work for new channel

assignment and

antenna

development

Amount: \$1,875.00

Component Description: Engineering study

work for new channel

assignment and

antenna development

Amount: \$750.00

Component Description: Engineering study

work for new channel

assignment and

antenna development

Amount: \$375.00

Address transition timing and coordination issues w/ other stations and wireless

Prepare and or review		
reimbursement form	Component Description:	Attorney fees:
		prepare for
		reimbursement form
	Amount:	\$880.00
	Component Description:	Attorney fees:
		Prepare and review
		reimbursement
		form.
	Amount:	\$1,620.00
Project management of the ransition	9	
uansidon	Component Description:	Project
		Management 5/3-5
		/26/17
	Amount:	\$2,622.92
	Component Description:	Blair engineering
		project
		management 7-11
		/2017
	Amount:	\$3,101.21

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	\$16,100.00	\$7,550.00		\$0.00	
MVPD Notification of Channel Change	\$200.00	\$200.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	\$2,000.00	\$2,000.00	N/A	N/A	N/A
Equipment Storage	\$1,300.00	\$1,300.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	\$1,050.00	\$1,050.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$3,000.00	N/A	N/A	N/A
Sub-total	\$16,100.00	\$7,550.00	N/A	\$0.00	N/A
Total for all systems	\$604,624.00	\$241,000.00	N/A	\$16,724.13	N/A

Components

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$604,624.00	\$241,000.00	\$16,724.13

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

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. David H.
Pawlik
Legal
Counsel

04/12/2018

Attachments