

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

77719 Service: **DTV** Call **KLCW-TV** Channel: 23 (UHF) Facility Sign:

ID:

File 0000027576

Number:

FRN: 0018223693 Date 10/16

> Submitted: /2020

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
RAMAR COMMUNICATIONS, INC. Doing Business As: RAMAR COMMUNICATIONS, INC.	Brad Moran P.O. BOX 3757 LUBBOCK, TX 79452 United States	+1 (806) 748- 9300	bmoran@ramrcom. 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
Tee Thomas Chief Engineer Ramar Communications	Tee Thomas PO Box 3757 Lubbock, TX 79452 United States	+1 (806) 548- 1280	tthomas@ramarcom. 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	Station will install interim antenna and line. Station will replace side mounted antenna and line station will replace main transmitter.

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?	No
Existing Transmitter	Manufacturer	
Manufacturer and Type	Model	Innovator- HX HU500AD
	Year	2007
	Туре	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	5 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	TRN-5XU- 46D-C
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	5 kW
	Justification for New Transmitter	The current 5kW Axcera transmitter can't be retuned.

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	Yes
	Size	2 inches
	Length	50.0 feet
	Other Electrical Service	No

	Description	N/A
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Туре	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
	Size	N/A
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**

Transmitter Information not provided.

Antennas

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

Primary Antenna

Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	Yes
	Is the existing antenna directional?	No
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
Existing Antenna Manufacturer and Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	Other
	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	Broadband Slot
	ERP: (Effective Radiated Power)	179.0 kW

Manufacturer	
Model	RD320M- 596650H7S07
Year	2005

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

Facility ID	Call Sign
55031	KJTV-TV

Primary Antenna

New Antenna Costs

Section	Question	Response
New Antenna	Use	Primary (Main)
Description	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?	Yes
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna	Class	Full Power
Manufacturer and Types	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	Broadband Panel
	Number of Stations Supported	3
	Number of Panels/Bays	16
	Lower Limit	470.00 MHz
	Upper Limit	650.00 MHz
	Design power capacity in use	75.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	127.0 kW
	Manufacturer	
	Model	PHPR48U3313
	Year	2017

Justification	for	Now	Antonna	
Justilication	IOI	INEW	Antenna	

Existing antenna can not be retuned

Primary 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	3
	Frequencies of channels supported	RF channel
	Frequency	N/A
	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?	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?	Yes
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Enter a list of RF channel numbers.

RF Channel Number	
43	
23	

Primary Antenna

Other Antenna Cost Not Listed

Information not provided.

Interim Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	Yes
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna	Class	Full Power
Manufacturer and Type	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/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)	29.4 kW
	Manufacturer	
	Model	STA16-HP
	Year	2017

Justification for New Antenna	Interim
	Broadcast
	Facility

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	2
	Frequencies of channels supported	RF channel
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	Yes
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	В
	Feed Line Size	7 3/16 inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an antenna?	Yes
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Enter a list of RF channel numbers.

RF Channel Number	
24	
35	

Interim Antenna **Other Antenna Cost Not Listed**

Information not provided.

Transmission	nSeffien	Question	Response
	Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

Interim Transmissi

New Transmission Line

section	Question	Response
New Transmission Line Costs	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Туре	Rigid
	Diameter	7 3/16 inches
	Segment Length	20'
	Other Segment Length	
	Number of parallel runs	1
	Length	900 feet per run
	Justification for New Transmission Line	Line needed for interim broadcast

Interim Other Transmission Line Expenses Not Listed Transmission Line 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

Section	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)	Yes
	Others Types of Users	Yes
	Is tower documented for structural analysis?	Yes
	Is tower compliant with Rev G?	Yes
Existing Tower Structure	Do you have a tower registration number?	Yes
Registration	ASR Number	1248244
Coordinates (NAD83 (North American Datum of	Latitude (NAD83)	33° 30' 08.3" N-
1983))	Longitude (NAD83)	101° 52' 21.3" W-
	Overall Structure Height	950.12 feet
	Support Structure Height	944.87 feet
	Ground Elevation Above Mean Sea Level (AMSL)	3206.98 fee

Structure Type	TOWER - Free Standing or
	Guyed Structure
Tower Owner	FLP Ramar, Ltd.
Date Constructed	12/08/2006

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
55031	KJTV-TV	DTV
55055	KXTQ-CD	DTV
54684	KTTU-FM	FM
55062	KLBB-FM	FM
168090	KJTV-CD	DTV
88795	KLZK-FM	FM
4019	KXTQ-FM	FM

Other Types of Users

Users
K264AN
KLBB-LD
K249DU
K245BG
K226CH
KLBB-LP

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:	Serious 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

Name	Description
Tower Modifications	Modification of tower to accommodate antenna installation modification from side mount to top mount.

Outside Professional

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

	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	Yes
	FAA Consultation (including preparation of FAA Form 7460)	Yes
	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	Yes
	Number of Days	7
	Justification	Field study needed due to tower modification,

Outside Professional

Other Professional Services Expenses Not Listed

al	Services Costs	Description
	TWR Lighting Inc	New lighting system for modified tower.

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	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
Sweep test-new interim antenna	Sweep test of the new interim antenna
Equipment Storage	Rental of '40 Steel container to be used to store equipment and materials in a dry secure place. Approximate rental period will be eight months.
Installation-Tower Lighting System	Installation of new tower lighting system previously not included in tower work by Houston Tower
Material Handling	Rental of fork lift in order to organize and store materials for tower work
Security Fencing	Chain link fencing with 3 strands of barbed wire to secure transmitter building area to include approximately 100k sq ft (300' x 350'). Area will be used to secure equipment and materials during tower work.
Sweep test-new primary antenna	Sweep test of the new primary antenna
Copper strapping to ground	4" Copper strapping for grounding of primary transmitter

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 TRN-5XU- 46D-C	\$274,600.00	\$186,118.00		\$149,868.40	
Transformer 3 phase /480v - 300 KVA	\$36,800.00	\$35,000.00	N/A	N/A	N/A
UHF - Air Cooled Solid State Transmitter 4 - 6 kW	\$236,500.00	\$149,868.00	Existing transmitter can not be retuned.	\$149,868.40	Shipping is included
2" Rigid Conduit and Wiring (Cost per foot)	\$1,300.00	\$1,250.00	N/A	N/A	N/A
Sub-total	\$274,600.00	\$186,118.00	N/A	\$149,868.40	N/A
Total for all systems	\$2,830,006.00	\$2,705,406.50	N/A	\$2,173,397.85	N/A

Components

Actual Information Description	File Name
Transformer 3 phase/480v - 300 KVA	Information not provided.

UHF - Air Cooled Solid State Transmitter 4 - 6 kW	Component Description:	N/A
	Amount:	N/A
	Component Description:	Transmitter
		Payment in full, due before vendor
		will ship.
	Amount:	\$149,868.40
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	

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 STA16-HP	\$305,840.00	\$235,050.00		\$98,730.56	
New combiner, cost per channel (without antenna)	\$84,200.00	\$44,000.00	N/A	\$44,705.00	RFS estimate one year ago was adjusted to actual with minimal price difference and within allowable cost.
UHF - High Power, Side Mount, basic slot antenna, 29 kW input, horizontally polarized	\$43,650.00	\$43,650.00	N/A	\$43,650.00	RFS Proposal calls for 4 installment payments. Invoice 27010642 is installment #1
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$3,255.00	N/A
Combiner output splitting /switching for dual feed lines, if applicable	\$126,000.00	\$120,000.00	N/A	N/A	N/A

Elbow complex, broadband, at antenna input, per 7 3 /16. feedline (if needed)	\$16,850.00	\$16,000.00	N/A	\$7,120.56	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$0.00	N/A	N/A	N/A
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,000.00	N/A	N/A	N/A
Primary Antenna PHPR48U3313	\$429,556.00	\$424,766.00		\$346,508.15	
UHF - High Power Top Mount Three Station broadband panel antenna horizontally polarized	\$333,366.00	\$333,366.00	UPDATE (8.12.19) Estimate increased to cover final billing of 10% which was included in the PO. Quote was split between side-mount	\$290,489.40	Proposals require 4 installment payments, this request equals the first of 4. The proposals are attached for your review.

Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,000.00	N/A	N/A	N/A
New combiner, cost per channel (without antenna)	\$84,200.00	\$80,000.00	N/A	\$56,018.75	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
Sub-total	\$735,396.00	\$659,816.00	N/A	\$445,238.71	N/A
Total for all systems	\$2,830,006.00	\$2,705,406.50	N/A	\$2,173,397.85	N/A

Components

Actual Information Description	File Name	
New combiner, cost per channel (without antenna)	Component Description: Amount:	5 Port patch panel \$44,705.00

UHF - High Power, Side Mount, basic slot antenna,	Component Description:	Second
29 kW input, horizontally		submission
polarized		/second
		installment
		payment with
		quote attached a
		requested,
	Amount:	\$14,550.00
	Component Description:	Interim antenna,
		installment 3 -
		30% prior to
		shipment
	Amount:	\$14,550.00
	Component Description:	Down Payment
	Amount:	\$14,550.00
	Component Description:	Progress pay
		second
		installment,
		Interim antenna
	Amount:	\$14,550.00
Sweep test of existing		
antenna	Component Description:	Engineering
		services to
		measure antenna
		and line for repac
		consideration
	Amount:	\$3,255.00
Combiner output splitting	Information not provided.	
/switching for dual feed lines, if applicable	information not provided.	
Elbow complex, broadband,		
at antenna input, per 7 3/16.	Component Description:	Interim antenna 4
feedline (if needed)	Component Description.	
reedime (ii needed)		THEY CORY: (COVER
reedime (ii needed)		flex coax; Cover letter included

Side mount brackets for high power antennas (if not included in antenna base cost)	Information not provided.	
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.	
UHF - High Power Top Mount Three Station broadband panel antenna horizontally polarized	Component Description: Amount:	Primary antenna, installment 3 - 30% prior to shipment \$96,829.80
	Component Description: Amount:	Progress pay second installment, Primary antenna \$96,829.80
	Component Description: Amount:	Second submission /second installment invoice with quote attached as requested, \$96,829.80
	Component Description: Amount:	Down Payment \$96,829.80
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.	

New combiner, cost per		
channel (without antenna)	Component Description:	Balanced Combiner Down
		payment due with
	Amount:	order. \$56,018.75
Sweep test of existing	Information not provided.	
antenna		

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
Interim Transmission Line	\$261,000.00	\$395,000.00		\$383,865.21	
Rigid Transmission Line - copper, 7 3 /16"	\$261,000.00	\$395,000.00	Line needed to accommodate 1000Ft, quote attached Update: Estimate changed to reflect actual costs incurred to complete transmission line assembly. Required parts become very specific and customized in order to finalize the project.	\$383,865.21	Please see attached for MYAT invoice for \$295,328 actual cost.
Sub-total	\$261,000.00	\$395,000.00	N/A	\$383,865.21	N/A
Total for all systems	\$2,830,006.00	\$2,705,406.50	N/A	\$2,173,397.85	N/A

Components

Actual Information Description	File Name	
Rigid Transmission Line - copper, 7 3/16"		

Component Description: Transmission line

assembly
CORRECTED
INVOICE AND

QUOTE CALL LETTERS

Amount: \$3,152.33

Component Description: Transmission line

assembly

Amount: \$611.57

Component Description: Elbow assembly

for final section of transmission line for top-mount antenna

Amount: \$13,009.95

Component Description: Transmission line

assembly 6 1/8"; Cover letter attached

Amount: \$13,369.65

Component Description: Transmission line

assembly

Amount: \$2,951.37

Component Description: Transmission Line

and related equipment.

Amount: \$295,328.00

Component Description: Down Payment of

50% was required

to reserve

equipment. This has been paid.

Amount: \$147,664.00

Component Description: Transmission line

assembly

Amount: \$1,871.49

Component Description: Transmission line

assembly; This invoice belongs to station KXTQ-CD

Amount: N/A

Component Description: Interim billing for

portion due prior to

shipment of various components. Includes shipping

costs.

Amount: \$136,661.00

Component Description: Transmission line

assembly

Amount: \$6,243.87

Component Description: 50% due with

order; with change in order estimate an additional \$41,922 is due to

make 50% \$41,922.00

Amount:

Component Description: Transmission line

assembly

Amount: \$4,523.01

Component Description: Transmission line

assembly

Amount: \$800.41

Component Description: Transmission line

assembly \$11,084.56

Amount:

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).

Predetermined Cost Estimate	Estimated	Estimated Cost		
	Cost	Justification	Actual Cost	Actual Cost Justification
\$1,288,800.00	\$1,210,000.00		\$1,109,562.70	
\$26,300.00	\$25,000.00	N/A	\$12,500.00	N/A
\$1,052,000.00	\$985,000.00	Vendor is Houston's Tower Service. Written justification is attached along with updated PO, estimate and invoice.	\$985,000.00	N/A
\$0.00	\$0.00	N/A	N/A	N/A
\$210,500.00	\$200,000.00	N/A	\$112,062.70	N/A
\$1,288,800.00	\$1,210,000.00	N/A	\$1,109,562.70	N/A
\$2,830,006.00	\$2,705,406.50	N/A	\$2,173,397.85	N/A
	\$26,300.00 \$1,052,000.00 \$210,500.00 \$1,288,800.00	\$26,300.00 \$25,000.00 \$1,052,000.00 \$985,000.00 \$0.00 \$0.00 \$210,500.00 \$200,000.00 \$1,288,800.00 \$1,210,000.00	\$1,052,000.00 \$985,000.00 Vendor is Houston's Tower Service. Written justification is attached along with updated PO, estimate and invoice. \$0.00 \$0.00 N/A \$1,288,800.00 \$1,210,000.00 N/A	\$26,300.00 \$25,000.00 N/A \$12,500.00 \$1,052,000.00 \$985,000.00 Houston's Tower Service. Written justification is attached along with updated PO, estimate and invoice. \$0.00 \$0.00 N/A N/A \$210,500.00 \$200,000.00 N/A \$112,062.70

Components

Actual Information Description	File Name	
Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study	Component Description: Amount:	Rigging plan for antenna install using a gin pole \$5,000.00
	Component Description:	Structural analysis and modification
	Amount:	drawings \$7,500.00

/modifications		
/modifications	Component Description:	Progression
		billing-Installme
		1 of 5 (after dov
	A	payment)
	Amount:	\$187,000.00
	Component Description:	Installment 5 of
		\$187,000
	Amount:	\$187,000.00
	Component Description:	Initial down
		payment to beg
		project
	Amount:	\$50,000.00
	Component Description:	Installment 3 of
		on progressive
		billing
	Amount:	\$187,000.00
	Component Description:	Installment 4 of
		- Progression
		Billing \$187,000
	Amount:	\$187,000.00
	Component Description:	Progression
		billing-Installme
		2 of 5
	Amount:	\$187,000.00

Tall Tower (greater than		
500')	Component Description:	Freight on guy wire and sockets
	Amount:	\$3,000.00
	Component Description:	Guy wire
		assembly with sockets
	Amount:	\$42,562.70
	Component Description:	Redesign work associated with antenna and line layout Inv FS-
	Amount:	20327 \$3,500.00
	Component Description:	Materials needed

for tower mods related to repack

\$63,000.00 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 C Justifica
Outside Professional Services	\$185,065.00	\$178,562.50		\$35,689.07	
TWR Lighting Inc	\$22,000.00	\$22,000.00	Anticipated costs were higher than previously expected Revised estimate #2 was the result of mounting brackets not included in the original quote-\$1,200	\$21,664.07	N/
Additional Field Engineering Service, 7 Days	\$15,000.00	\$15,000.00	N/A	N/A	N/
RF Exposure Measurements	\$21,050.00	\$20,000.00	N/A	N/A	N/
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	N/A	N/A	N,
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	\$2,105.00	\$2,687.50	Predetermined cost slightly underestimated. Estimated cost = invoice total	\$2,000.00	N/

modification (prepare FCC Form 854)						
Prepare and File request for Special Temporary Authorization \$2,365.00 \$2,250.00 N/A \$0.00 Compre legal st regarding r	modification (prepare FCC	\$2,105.00	\$2,625.00	cost slightly underestimated. Estimated cost	\$2,000.00	N/
Prepare and File FCC Form 2100 (main), License to Cover Application S4,210.00 \$4,000.00 N/A	Prepare and File request for Special Temporary	\$3,680.00	\$3,500.00	N/A	N/A	N/
Aux Antenna, prepare and File Form 2100 Construction Permit or License Application Attorney Fees - \$5,260.00 \$5,000.00 N/A N/A N/A N/A Prepare and File FCC Form 2100 (main), Construction Permit Application Prepare \$2,050.00 \$1,500.00 N/A	Prepare and File FCC Form 2100 (main), License to Cover	\$2,365.00	\$2,250.00	N/A	\$0.00	Comprel legal se regardir 39
Prepare and File FCC Form 2100 (main), Construction Permit Application Prepare \$2,050.00 \$1,500.00 N/A N/A N/A N/A Special Temporary	Aux Antenna, prepare and File Form 2100 Construction Permit or License	\$4,210.00	\$4,000.00	N/A	N/A	N/
request for Special Temporary	Prepare and File FCC Form 2100 (main), Construction Permit	\$5,260.00	\$5,000.00	N/A	N/A	N/
	request for Special Temporary	\$2,050.00	\$1,500.00	N/A	N/A	N/

RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	\$1,580.00	\$1,500.00	N/A	\$2,825.00	Cons engi invoic both p and servic one in total se do not e
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	N
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	N
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	\$2,105.00	\$2,000.00	N/A	N/A	N
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	N/A	N

Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$7,200.00	Mult engine consu service: requ
Sub-total	\$185,065.00	\$178,562.50	N/A	\$35,689.07	N/
Total for all systems	\$2,830,006.00	\$2,705,406.50	N/A	\$2,173,397.85	N/

Components

Actual Information Description	File Name	
TWR Lighting Inc	Component Description: Amount:	Tower light upgrades-revised invoice \$20,105.27
	Component Description: Amount:	Tower lighting brackets \$1,558.80
Additional Field Engineering Service, 7 Days	Information not provided.	
RF Exposure Measurements	Information not provided.	
Comprehensive coverage verification via field study, if needed	Information not provided.	
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	Component Description: Amount:	Consulting service to prep and file FAA Obstruction Evaluation application for increased tower height \$2,000.00

ASR modification (prepare FCC Form 854)	Component Description:	Consulting services to prep and file FCC ASR application for increased tower height
	Amount:	\$2,000.00
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.	
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Component Description:	Professional legal services regarding form 399.
	Amount:	\$2,800.00
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	Information not provided.	
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Information not provided.	
Prepare request for Special Temporary Authorization	Information not provided.	
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	Component Description:	Invoice represents fee for Aux and Primary RF consulting engineer fee
	Amount:	\$2,825.00
Address transition timing and coordination issues w/other stations and wireless	Information not provided.	
Prepare and or review reimbursement form	Information not provided.	

Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.	
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Information not provided.	
Perform engineering study for new channel assignment and antenna development	Component Description:	KLCW repack antenna project management revised invoice
	Amount:	\$7,200.00

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 Justificatio
Other Expenses	\$85,145.00	\$75,910.00		\$49,173.76	
Security Fencing	\$25,000.00	\$25,000.00	Approximately 100k sq. ft. of secured space (300' x 350') surrounding the transmitter building to store equipment and materials when delivered.	\$24,556.00	N/A
Material Handling	\$500.00	\$500.00	Rental of fork lift to move and store material for tower project (invoice attached)	N/A	N/A
Installation- Tower Lighting System	\$17,000.00	\$17,000.00	Installation of new tower lighting system previously not included in tower work	\$16,237.50	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A

DTV Medical Facility Notification	\$11,550.00	\$2,320.00	N/A	\$2,320.00	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$10,000.00	\$10,000.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	\$9,000.00	\$9,000.00	N/A	N/A	N/A
Equipment Storage	\$2,000.00	\$2,000.00	N/A	\$0.00	N/A
Develop and air announcement of upcoming channel change	\$1,500.00	\$1,500.00	N/A	N/A	N/A
MVPD Notification of Channel Change	\$2,000.00	\$2,000.00	N/A	\$1,765.00	N/A
Sweep test- new interim antenna	\$1,300.00	\$1,300.00	N/A	\$1,299.00	N/A
Equipment Storage	\$2,000.00	\$2,000.00	40' steel container to be used to store and secure items during tower work- Estimated 8- 10 months	\$1,441.05	N/A
Copper strapping to ground	\$1,600.00	\$1,600.00	N/A	\$1,555.21	N/A

Sweep test- new primary antenna	\$1,500.00	\$1,500.00	N/A	N/A	N/A
Sub-total	\$85,145.00	\$75,910.00	N/A	\$49,173.76	N/A
Total for all systems	\$2,830,006.00	\$2,705,406.50	N/A	\$2,173,397.85	N/A

Components

Actual Information Description	File Name	
Security Fencing	Component Description: Amount:	Security fencing around transmitter building to protect equipment and materials during tower work \$24,556.00
Material Handling	Information not provided.	
Installation-Tower Lighting System	Component Description: Amount:	Tower lighting installation \$16,237.50
FCC Filing Fees - Special Temporary Authorization request	Information not provided.	
DTV Medical Facility Notification	Component Description: Amount:	Notification to medical facilities regarding frequency change \$2,320.00
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.	

Equipment Delivery and Handling Charges	Information not provided.	
Equipment Storage	Information not provided.	
Develop and air announcement of upcoming channel change	Information not provided.	
MVPD Notification of Channel Change	Component Description: Amount:	MVPD Notification Service-cable and satellite providers \$1,765.00
Sweep test-new interim antenna	Component Description: Amount:	SBB transmission line and antenna sweep measurements \$1,299.00
Equipment Storage	Component Description: Amount:	July container rental \$358.57
	Component Description: Amount:	Oct 2018 container rental \$135.31
	Component Description: Amount:	Sept 2018 container rental \$135.31
	Component Description: Amount:	Dec 2018 container rental \$135.31

Component Description: Nov 2018

container rental

Amount: \$135.31

Component Description: Feb 2019

container rental

Amount: \$135.31

Component Description: Mar 2019

container rental

Amount: \$135.31

Component Description: Initial rental (1/4 of

month) plus delivery charge plus pick-up

Amount: \$358.57

Component Description: Aug 2018

container rental

Amount: \$135.31

Component Description: Jan 2019 container

rental

Amount: \$135.31

Copper strapping to ground

Component Description: 4" Copper

strapping used for

grounding transmitter

Amount: \$1,555.21

Sweep test-new primary

Information not provided.

antenna

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$2,830,006.00	\$2,705,406.50	\$2,173,397.85

Reimbursem	envestiatus	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. Keith Kerr CFO

10/16/2020

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. Keith Kerr CFO

10/16/2020

Attachments