

(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility 54443 Service: DTV Call WRFB Channel: 30 (UHF)

Sign:

File **0000028155** 

Number:

ID:

FRN: **0001729847** Date **07/16** 

Submitted: /2018

# Applicant Information

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

Applicant	Address	Phone	Email	Applicant Type
Telecinco, Inc.	Jose A. Vizcarrondo P.O. Box 43 Mayaguez, PR 00681 United States	+1 (787) 831- 0071	Lrosa@telecincoinc. com	Corporation

# Reimbursement Contact Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

#### Preparer Contact Information

#### **Preparer Contact Name and Information**

Alejandro Luciano , Alejandro Luciano +1 (787) 717- aluciano@aluciano.  PE . PE 6984 com  Repack Coordinator PO Box 194528  Alejandro Luciano PE SAN JUAN, PR 00919  United States	Applicant	Address	Phone	Email
	PE . Repack Coordinator	PE PO Box 194528 SAN JUAN, PR 00919	, ,	

## 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	File for construction permit, construction of Interim Facility, Tower Modifications, facilities maximization, Antenna, transmission line and transmitter installation, RF systems sweep and test, transition to new channel.

# **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	AFFINITY
	Year	2008
	Туре	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	2.0 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	Maxiva ULXTE-24
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	16.1 kW
	Justification for New Transmitter	Existing transmitter on channel 51 is not retunable to channel 30.

# 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	Yes
	Size	2 inches
	Length	40.0 feet
	Other Electrical Service	Yes

	Description	UPS for Above transmitter
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Туре	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

# Primary Transmitter

## **Other Transmitter Cost Not Listed**

Name	Description
SURGE PROTECTOR	SURGE PROTECTOR FOR SOLID STATE TRANSMITTERS

## Interim Transmitter

## **New Transmitter Costs**

Section	Question	Response
New	Use	Interim
Transmitter	Description of Use	N/A
	Change Type	Purchase
	Manufacturer	
	Model	SLIM4_03_UHF_SD_PCM- 4P-PPT
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	2.5 kW
	Justification for New Transmitter	An small interim transmitter is needed to remain on the air while the existing is removed.

# Interim 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	Yes
	Size	2 inches
	Length	40.0 feet
	Other Electrical Service	No
	Description	N/A
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes

	Туре	Cooling Only
	Size	5 tons
	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
Inside RF System	Is an additional interior RF system required to support this interim transmitter?	No

# Interim

**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?	No
	Is the existing antenna directional?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	Yes
Existing Antenna	Class	Full Power
Manufacturer and Type	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	16.0 kW

Manufacturer	
Model	ATC- 24H6C2-51
Year	2008

# Primary Antenna

## **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?	Yes
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	Yes
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna	Class	Full Power
Manufacturer and Types	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	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)	250.0 kW
	Manufacturer	

Model	TFU- 24DSBW /VP-R W (C)
Year	2018
Justification for New Antenna	The existing antenna on Channel 51 can't be retuned to new repack channel 30.

# 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	2
	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?	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	
29	
30	

## Primary Antenna

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

Information not provided.

#### Interim Antenna

## **New Antenna Costs**

New Antenna Description   Description of Use	Section	Question	Response
Change Type Purchase New  Ownership Owned  Owner N/A  Is antenna shared? No  Is antenna directional? Yes  Will antenna be located on or in close proximity to an antenna farm?  Class Class A  Mounting Side Mount  Antenna position in stack Not in Stack  Polarization Horizontal  Type Other  Number of Stations Supported N/A  Number of Panels/Bays N/A  Lower Limit N/A  Upper Limit N/A  Other Antenna Type Broadband Panel Array  ERP: (Effective Radiated Power) 16.0 kW  Manufacturer  Model 75010013	New Antenna Description	Use	Interim
New		Description of Use	N/A
Downer   N/A		Change Type	
Is antenna shared?  Is antenna directional?  Will antenna be located on or in close proximity to an antenna farm?  Class  Mounting  Antenna position in stack  Polarization  Type  Other  Number of Stations Supported  N/A  Number of Panels/Bays  Lower Limit  Upper Limit  Design power capacity in use  Other Antenna Type  ERP: (Effective Radiated Power)  Manufacturer  Model  No  Yes  Yes  Yes  Yes  Yes  Yes  Yes  Ye		Ownership	Owned
Is antenna directional?  Will antenna be located on or in close proximity to an antenna farm?  Class Class A  Mounting Side Mount  Antenna position in stack Not in Stack  Polarization Horizontal  Type Other  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 Broadband Panel Array  ERP: (Effective Radiated Power) 16.0 kW  Manufacturer  Model 75010013		Owner	N/A
Will antenna be located on or in close proximity to an antenna farm?  Class Class A  Mounting Side Mount  Antenna position in stack Not in Stack  Polarization Horizontal  Type Other  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 Broadband Panel Array  ERP: (Effective Radiated Power) 16.0 kW  Manufacturer  Model 75010013		Is antenna shared?	No
New Antenna Manufacturer and Type  Class  Mounting  Antenna position in stack  Polarization  Type  Other  Number of Stations Supported  N/A  Number of Panels/Bays  Lower Limit  N/A  Upper Limit  N/A  Design power capacity in use  Other Antenna Type  Broadband Panel Array  ERP: (Effective Radiated Power)  Manufacturer  Model  Class A  Class A  Class A  Mounting  Side Mount  Not in Stack  Not		Is antenna directional?	Yes
Manufacturer and Type  Mounting  Antenna position in stack  Polarization  Type  Other  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  Broadband Panel Array  ERP: (Effective Radiated Power)  Manufacturer  Model  Tside Mount  Not in Stack  Not in			Yes
Mounting  Antenna position in stack  Polarization  Type  Other  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  Broadband Panel Array  ERP: (Effective Radiated Power)  Manufacturer  Model  Not in Stack  N/A  N/A  N/A  N/A  N/A  N/A  10  Broadband Panel Array  ERP: (Effective Radiated Power)  Model  75010013		Class	Class A
Polarization Horizontal  Type Other  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 Broadband Panel Array  ERP: (Effective Radiated Power) 16.0 kW  Manufacturer  Model 75010013	Manufacturer and Type	Mounting	Side Mount
Type Other  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 Broadband Panel Array  ERP: (Effective Radiated Power) 16.0 kW  Manufacturer  Model 75010013		Antenna position in stack	Not in Stack
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  Broadband Panel Array  ERP: (Effective Radiated Power)  Manufacturer  Model  75010013		Polarization	Horizontal
Number of Panels/Bays  Lower Limit  N/A  Upper Limit  N/A  Design power capacity in use  N/A  Other Antenna Type  Broadband Panel Array  ERP: (Effective Radiated Power)  Manufacturer  Model  75010013		Туре	Other
Lower Limit  Upper Limit  N/A  Design power capacity in use  N/A  Other Antenna Type  Broadband Panel Array  ERP: (Effective Radiated Power)  Manufacturer  Model  N/A  N/A  N/A  N/A  16.0 kW		Number of Stations Supported	N/A
Upper Limit  Design power capacity in use  N/A  Other Antenna Type  Broadband Panel Array  ERP: (Effective Radiated Power)  Manufacturer  Model  75010013		Number of Panels/Bays	N/A
Design power capacity in use  N/A  Other Antenna Type  Broadband Panel Array  ERP: (Effective Radiated Power)  Manufacturer  Model  75010013		Lower Limit	N/A
Other Antenna Type  Broadband Panel Array  ERP: (Effective Radiated Power)  Manufacturer  Model  75010013		Upper Limit	N/A
ERP: (Effective Radiated Power)  Manufacturer  Model  75010013		Design power capacity in use	N/A
Manufacturer  Model 75010013		Other Antenna Type	
Model 75010013		ERP: (Effective Radiated Power)	16.0 kW
		Manufacturer	
Year 2018		Model	75010013
		Year	2018

Justification for New Antenna	An interim antenna is needed to
	remain on
	the air
	while the
	repack
	facilities are
	built

#### Interim Antenna

#### **Other Antenna Costs**

Section	Question	Response
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 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

#### Interim Antenna

**Other Antenna Cost Not Listed** 

Information not provided.

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

# Primary Transmission Line

# **Existing Transmission Line**

on 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 Air
	Diameter	3 inches
	Other Diameter	N/A
	Segment Length	N/A
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	275 feet per run

# Primary Transmissi

## **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?	Yes
	Туре	Flexible Air
	Diameter	4 inches
	Other Diameter	N/A
	Segment Length	N/A
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	300 feet per run
	Justification for New Transmission Line	The existing line will be used to remain on the air while the new facilities on channel 30 are built.

Primary Other Transmission Line Expenses Not Listed Transmission Line Expenses Not Listed Transmission Line Expenses Not Listed

# 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	Construct New
Description	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?	No
	One or more FM, AM or TV radio broadcaster(s)	N/A
	Others Types of Users	N/A
	Is tower documented for structural analysis?	No
	Is tower compliant with Rev G?	No
Existing Tower	Do you have a tower registration number?	Yes
Structure Registration	ASR Number	1043939
Coordinates (	Latitude (NAD83)	18° 16' 37.0" N-
NAD83 (North American Datum	Longitude (NAD83)	065° 51' 11.0" W-
of 1983))	Overall Structure Height	333.99 feet
	Support Structure Height	300.19 feet
	Ground Elevation Above Mean Sea Level (AMSL)	2411.39 feet
	Structure Type	TOWER - Free Standing or Guyed Structure

Tower Owner	ESTRADA, JORGE L DBA = COMMUNICATIONS TOWER SERVICES
Date Constructed	01/01/1987

# Primary Tower

#### **Tower Construction Costs**

Section	Question	Response
Construct New Tower	Use	Primary (Main)
	Description of Use	N/A
	Is this a request for upgraded equipment?	No
	Height	250.00 feet
	Justification for New Tower	See Attached tower construction justification document

# 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 Construction Supervision	Structural Engineer Tower Construction Supervision

# Outside Professional

Section	Question	Response
Al Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	750
	Explanation	Station lacks personnel to perform the project management.
Outside RF consulting Engineering Services	Perform engineering study for new channel assignment and antenna development	Yes
	Prepare engineering section of Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	2
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
Attorney and Other Outside Consulting	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	2
	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	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 Professional Services Costs

# Other Professional Services Expenses Not Listed

al	Signal Costs	Description
	Quarterly Progress Reports.	Quarterly Repack Progress Report.

# 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	Yes
	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
State Service Tax	State Service Tax 4 percent
State and City Sales Tax	State and City Sales Tax 11.5 percent
Station Employees Time	Station Employees Time dedicated to the repack functions.

# **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	Ac Ju
Interim Transmitter SLIM4_03_UHF_SD_PCM- 4P-PPT	\$147,290.00	\$120,220.40		\$0.00	
5 Ton system	\$20,250.00	\$19,250.00	N/A	N/A	
UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW	\$126,000.00	\$99,970.40	See attached Broadcast Depot Sales Quote 206231	N/A	
2" Rigid Conduit and Wiring (Cost per foot)	\$1,040.00	\$1,000.00	N/A	N/A	
Primary Transmitter Maxiva ULXTE-24	\$711,550.82	\$468,818.66		\$121,510.82	
SURGE PROTECTOR	\$1,510.82	\$1,510.82	SEE ATTACHED GATES AIR PROPOSAL ELECTRICAL SECTION.	\$1,510.82	
Other Electrical Service: UPS for Above transmitter	\$25,000.00	\$25,000.00	Based on consultations with manufacturer local sales office.	N/A	
2" Rigid Conduit and Wiring (Cost per foot)	\$1,040.00	\$1,000.00	N/A	N/A	

UHF - Liquid Cooled	\$684,000.00	\$441,307.84	See Attached	\$120,000.00
Solid State Transmitter 14.2 - 20 kW			RGB Broadcast	
14.2 - 20 KVV				
			Services	
			Main	
			Transmitter	
			Proposal	
			HMDRQ3064	
			Excluding	
			Section 22	
			Item 23	
			Parallel surge	
			Protector and	
			RGB	
			HMDRQ3081	
			2.4KW	
			Baseline	
			Transmitter	
			proposal.	
Sub-total	\$858,840.82	\$589,039.06	N/A	\$121,510.82
Total for all systems	\$3,028,704.44	\$2,545,608.97	N/A	\$786,875.31

Actual Information Description	File Name	
5 Ton system	Information not provided.	
UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW	Information not provided.	
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	
SURGE PROTECTOR		
	Component Description:  Amount:	RGB Broadcast Services Corp Invoice HMDRQ3064 Line 23 Item 7401278000 \$1,510.82
Other Electrical Service: UPS for Above transmitter	Information not provided.	

2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	Component Description:	03/06/2018 Form 399 Verified Cost Catalog Price for Primary
	Amount:	Transmitter \$120,000.00

# **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
Interim Antenna 75010013	\$33,030.00	\$31,400.00		\$0.00	
UHF - Lower Power Side Mount, Class A One Station antenna basic	\$26,300.00	\$25,000.00	N/A	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
Primary Antenna TFU- 24DSBW /VP-R W (C)	\$346,340.00	\$160,887.00		\$106,464.00	
Sweep test of existing antenna	\$6,730.00	\$6,400.00	SEE ATTACHED DIELECTRIC PROPOSAL NUMBER 800111CMZ- 1 LINE 22	\$6,400.00	N/A
New combiner, cost per channel (without antenna)	\$84,200.00	\$39,823.00	SEE ATTACHED DIELECTRIC ANTENNA PROPOSAL 800111CMZ- 1 LINE 21	N/A	N/A

Pattern scatter analysis for side mount high /med power antennas (if not included in antenna base cost)   Sub-total   \$379,370.00   \$192,287.00   N/A   N/						
Lower Power Side PROPOSAL NUMBER 8000111CMZ- 1 LINE 1  Side \$23,150.00 \$13,320.00 SEE ATTACHED DIELECTRIC PROPOSAL NUMBER 8000111CMZ- 1 LINE 1  Side \$23,150.00 \$13,320.00 SEE ATTACHED DIELECTRIC PROPOSAL NUMBER 800111CMZ- 1 LINE 2  Side mount brackets for high power antennas (if not included in antenna base cost)  Sub-total \$379,370.00 \$192,287.00 N/A \$106,464.00 N/A all	scatter analysis for side mount high /med power antennas (if not included in antenna	\$5,260.00	\$5,000.00	N/A	N/A	N/A
mount ATTACHED brackets for high power antennas (if not in antenna base cost)  Sub-total \$379,370.00 \$192,287.00 N/A \$106,464.00 N/A  Total for \$3,028,704.44 \$2,545,608.97 N/A \$786,875.31 N/A all	Lower Power Side Mount, One station antenna 200-500 kW, elliptically or circularly	\$227,000.00	\$96,344.00	ATTACHED DIELECTRIC PROPOSAL NUMBER 8000111CMZ-	\$86,744.00	N/A
Total for \$3,028,704.44 \$2,545,608.97 N/A \$786,875.31 N/A all	mount brackets for high power antennas (if not included in antenna	\$23,150.00	\$13,320.00	ATTACHED DIELECTRIC PROPOSAL NUMBER 800111CMZ-	\$13,320.00	N/A
all	Sub-total	\$379,370.00	\$192,287.00	N/A	\$106,464.00	N/A
	all	\$3,028,704.44	\$2,545,608.97	N/A	\$786,875.31	N/A

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

UHF - Lower Power Side Mount, Class A One Station antenna basic	Information not provided.	
Sweep test of existing antenna	Information not provided.	
Sweep test of existing antenna	Component Description:	WRFB Dielectric Invoice MAN00551, Line 23, REPACK SWEEP
	Amount:	\$6,400.00
New combiner, cost per channel (without antenna)	Information not provided.	
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.	
UHF - Lower Power Side Mount, One station antenna 200-500 kW, elliptically or circularly polarized	Component Description:	WRFB Dielectric Invoice MAN00551 Line 1 Item 400004694
	Amount:	\$86,744.00
Side mount brackets for high power antennas (if not	Component Description:	WRFB Dielectric
included in antenna base cost)	Component Description:	Invoice MAN00551 Line 3 Item 400004695. Antenna Mounting Brackets

# **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	\$22,200.00	\$19,287.29		\$19,287.29	
Flexible Air Transmission Line - dielectric, 4"	\$22,200.00	\$19,287.29	SEE ATTACHED DIELECTRIC PROPOSAL NUMBER 800111CMZ- 1 LINE 3	\$19,287.29	N/A
Sub-total	\$22,200.00	\$19,287.29	N/A	\$19,287.29	N/A
Total for all systems	\$3,028,704.44	\$2,545,608.97	N/A	\$786,875.31	N/A

Actual Information Description	File Name	
Flexible Air Transmission Line - dielectric, 4"	Component Description:	WRFB Dielectric
		Invoice MAN00551,
		Line 4, Item
		300006830
		FLEXIBLE
		TRANSMISSION
		LINE 4" AIR
		DIELECTRIC
		300FT.
	Amount:	\$19,287.29

# **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 Primary Tower TOWER	Predetermined Cost Estimate \$0.00	Estimated Cost \$0.00	Estimated Cost Justification	Actual Cost \$0.00	Actual Cost Justification
Primary Tower	\$1,323,134.00	\$1,318,934.00		\$522,435.00	
Tower Construction Supervision	\$28,500.00	\$28,500.00	Estimated cost of the Tower construction supervision.	N/A	N/A
New tower	\$1,210,434.00	\$1,210,434.00	See Attached ERI INC quotation including tower, foundations, erction and rigging.	\$522,435.00	N/A
Short Tower (less than 500')	\$84,200.00	\$80,000.00	N/A	\$0.00	N/A
Sub-total	\$1,323,134.00	\$1,318,934.00	N/A	\$522,435.00	N/A
Total for all systems	\$3,028,704.44	\$2,545,608.97	N/A	\$786,875.31	N/A

Actual Information Description	File Name
Tower Construction Supervision	Information not provided.

New tower		
	Component Description:	WRFB TOWER
		INCLUDING
		CONSTRUCTION
		<b>ERECTION AND</b>
		RIGGING.
	Amount:	\$522,435.00
Short Tower (less than 500')	Information not provided.	

# **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 Justification
Outside Professional Services	\$194,455.00	\$183,900.00		\$0.00	
Quarterly Progress Reports.	\$2,150.00	\$2,150.00	Quarterly Repack progress Report Documents preparation and filling.	N/A	N/A
RF Exposure Measurements	\$21,050.00	\$20,000.00	N/A	N/A	N/A
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	\$2,105.00	\$2,000.00	N/A	N/A	N/A
ASR modification (prepare FCC Form 854)	\$2,105.00	\$2,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$7,360.00	\$7,000.00	N/A	N/A	N/A

Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$4,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	N/A	N/A
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	\$4,210.00	\$4,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	N/A	N/A
Prepare request for Special Temporary Authorization	\$4,100.00	\$3,000.00	N/A	N/A	N/A
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/A

Prepare engineering section of FCC Form 2100 (main), License to Cover Application         \$2,105.00         \$2,000.00         N/A         N/A         N/A           RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application         \$3,155.00         \$3,000.00         N/A         N/A         N/A           Prepare engineering section of FCC Form 2100 (main), Construction Permit Application         \$7,360.00         \$7,000.00         N/A         N/A         N/A           Perform engineering study for new channel assignment and antenna development         \$118,500.00         \$112,500.00         N/A         N/A         N/A         N/A           Project management of the transition         \$2,630.00         \$2,500.00         N/A         N/A         N/A         N/A						
Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application  Prepare engineering section of FCC Form 2100 (main), Construction Permit Application  Perform engineering study for new channel assignment and antenna development  Project management of the transition  Prepare and or review reimbursement	engineering section of FCC Form 2100 (main), License to Cover	\$1,580.00	\$1,500.00	N/A	N/A	N/A
engineering section of FCC Form 2100 (main), Construction Permit Application  Perform \$7,360.00 \$7,000.00 N/A N/A N/A N/A engineering study for new channel assignment and antenna development  Project \$118,500.00 \$112,500.00 N/A N/A N/A N/A N/A management of the transition  Prepare and \$2,630.00 \$2,500.00 N/A N/A N/A N/A N/A or review reimbursement	Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit	\$2,105.00	\$2,000.00	N/A	N/A	N/A
engineering study for new channel assignment and antenna development  Project \$118,500.00 \$112,500.00 N/A N/A N/A management of the transition  Prepare and \$2,630.00 \$2,500.00 N/A N/A N/A N/A or review reimbursement	engineering section of FCC Form 2100 (main), Construction Permit	\$3,155.00	\$3,000.00	N/A	N/A	N/A
management of the transition  Prepare and \$2,630.00 \$2,500.00 N/A N/A N/A or review reimbursement	engineering study for new channel assignment and antenna	\$7,360.00	\$7,000.00	N/A	N/A	N/A
or review reimbursement	management	\$118,500.00	\$112,500.00	N/A	N/A	N/A
form	or review	\$2,630.00	\$2,500.00	N/A	N/A	N/A

Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Sub-total	\$194,455.00	\$183,900.00	N/A	\$0.00	N/A
Total for all systems	\$3,028,704.44	\$2,545,608.97	N/A	\$786,875.31	N/A

# Components

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	\$250,704.62	\$242,161.62		\$17,178.20	
Station Employees Time	\$49,986.42	\$49,986.42	Estimated amount for Stations Employees time exclusively dedicated to the repack functions. See attached WRFB Station personnel expenses document.	N/A	N/A
State and City Sales Tax	\$99,120.00	\$99,120.00	State and City Sales Tax 11.5%	\$13,800.00	N/A
MVPD Notification of Channel Change	\$316.20	\$316.20	See Attached DTVNotification MVPD Invoice. Invoice Number INV- 001807	\$316.20	N/A
Develop and air announcement of upcoming channel change	\$20,000.00	\$20,000.00	Based on previous experience during the analog to digital transition	N/A	N/A

DTV Medical Facility Notification	\$11,550.00	\$3,062.00	See Attached DTVNotification Medical Notifications Invoice. Invoice Number INV- 001814	\$3,062.00	N/A
FCC Filing Fees - Form 2100 minor change CP application	\$1,110.00	\$1,070.00	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
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A
Local Zoning	\$8,000.00	\$8,000.00	Based on previous experience. Estimated fees of the local authority for obtaining permits for the tower work needed.	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$4,500.00	\$4,500.00	Based on previous experience during the analog to digital transition.	N/A	N/A
Equipment Delivery and Handling Charges	\$25,000.00	\$25,000.00	Based on previous experience during the analog to digital transition	N/A	N/A

Equipment Storage	\$5,000.00	\$5,000.00	Based on previous experience during the analog to digital transition	N/A	N/A
State Service Tax	\$25,592.00	\$25,592.00	State Service Tax 4%	N/A	N/A
Sub-total	\$250,704.62	\$242,161.62	N/A	\$17,178.20	N/A
Total for all systems	\$3,028,704.44	\$2,545,608.97	N/A	\$786,875.31	N/A

Actual Information Description	File Name	
Station Employees Time	Information not provided.	
State and City Sales Tax		
	Component Description:	11.5% of the
		\$120,000.00
		verified main
	Amount:	transmitter funds. \$13,800.00
	Amount.	\$13,000.00
MVPD Notification of		
Channel Change	Component Description:	See MVPD
		Notification portion
		of attached
		DTVNotifications
		Telecinco PO 5089.
	Amount:	\$316.20
Develop and air announcement of upcoming channel change	Information not provided.	

DTV Medical Facility Notification	Component Description:  Amount:	See Medical Notification portion of attached DTVNotifications Telecinco PO 5089. \$3,062.00
FCC Filing Fees - Form 2100 minor change CP application	Information not provided.	
FCC Filing Fees - Form 2100 license to cover application	Information not provided.	
FCC Filing Fees - Special Temporary Authorization request	Information not provided.	
Local Zoning	Information not provided.	
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.	
State Service Tax	Information not provided.	

# Cost Information

## **Grand Total**

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$3,028,704.44	\$2,545,608.97	\$786,875.31

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. Alejandro Luciano Luciano , PE . Repack Project

Manager

07/16/2018

#### **Attachments**