



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **68695** | Service: **DTV** | Call **KPXC-TV** | Channel: **18 (UHF)** |  
ID:  
File **0000028374**  
Number:  
FRN: **0030297451** | Date **12/07**  
Submitted: **/2018**

## Applicant Information

### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>ION MEDIA DENVER LICENSE, INC.</b>	Bianca Frye 601 Doing Business As: ION MEDIA DENVER LICENSE, INC.	+1 (212) 603- 8407	BiancaFrye@ionmedia. com	Corporation
	Clearwater Park Road West Palm Beach, FL 33401 United States			

## Reimbursement Contact Information

### Reimbursement Contact Name and 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
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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.	No
Briefly describe transition plan	Relocate from ASR #1254146 to ASR #1034537. No interim facilities needed. Construct post-repack facilities at alternate location pursuant to CP authorization. Install new transmitter, RF system, transmission line, and antenna on post-repack channel.

## Transmitters

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

**Primary  
Transmitter**

**Existing Transmitter Information**

Section	Question	Response
<b>Existing Transmitter Description</b>	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
<b>Existing Transmitter Manufacturer and Type</b>	Manufacturer	
	Model	Paragon
	Year	2008
	Type	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	50 kW

**Primary  
Transmitter**

**New Transmitter Costs**

Section	Question	Response
New Transmitter	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	THU9-16 EVO
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	25.5 kW
	Justification for New Transmitter	Transmitter replacement is more cost effective then re-tune of Paragon transmitter. See attached exhibit. See attached Transmitter Upgrade Disclaimer.

**Primary  
Transmitter**

**Other Transmitter Costs**

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	No
	Power	N/A

	Rigid Conduit and Wiring	No
	Size	N/A
	Length	N/A
	Other Electrical Service	Yes
	Description	Electrical installation for replacement transmitter.
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	Yes
	Type	Cooling Only
	Size	10 tons
	Other Size	N/A
<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	Yes
	Size	450.0 square feet
<b>Channel 14 Costs</b>	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
<b>RF Interconnect</b>	Interconnect between RF System and transmission line
<b>Removal of existing equipment</b>	Removal of existing transmitters and equipment / Site prep

**Antennas**

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

## Primary Antenna

### Add Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Owner	Americian Tower
	Site	N/A
	Is this antenna currently shared with any other stations?	Yes
	Is this antenna directional?	Yes
	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	Top Mount
	Antenna position in stack	Bottom
	Polarization	Horizontal
	Type	Broadband Panel
	Number of Stations Supported	2
	Number of Panels	14
	Design power capacity in use	50.0 %
	Lower Limit	470.00 MHz
	Upper Limit	698.00 MHz
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	1000.0 kW

	Manufacturer	
	Model	TUD-C5-14 /70H-2-B
	Year	2009

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

Facility ID	Call Sign
166510	KPJR-TV



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?	No
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Types	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Type	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) .....	330.0 kW
	Manufacturer	

Model	TFU-18DSC /VP-R C170
Year	2018
Justification for New Antenna	Needed for post-repack channel operations.

## Primary Antenna

### Other Antenna Costs

Section	Question	Response
<b>Combiner for Shared Antenna</b>	Do you need a Combiner for a Shared Antenna?	No
	Type	
	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
<b>Elbow Complex</b>	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	6 1/8 inches inches
<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for a high power antenna?	Yes
<b>Pattern Scatter Analysis</b>	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes
<b>Sweep Test</b>	Do you require the sweep testing of transmission line and antenna?	Yes

**Primary  
Antenna**

**Other Antenna Cost Not Listed**  
Information not provided.

**Transmission Line**

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

**Primary  
Transmission Line**

**Existing Transmission Line**

Section	Question	Response
<b>Existing Transmission Line Description</b>	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Owner	American Tower
	Site	N/A
	Is the existing transmission line shared with another station or stations?	Yes
	Is Transmission Line in operating condition?	Yes
<b>Existing Transmission Line Manufacturer and Type</b>	Manufacturer	
	Type	Rigid
	Diameter	7 3/16 inches
	Other Diameter	N/A
	Segment Length	Broadband
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1172 feet per run

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

Facility ID	Call Sign
166510	KPJR-TV

Primary  
Transmission Line

New Transmission Line

Section	Question	Response
New Transmission Line Costs	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Type	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1100 feet per run
	Justification for New Transmission Line	Needed for post-repack channel operations.

Primary  
Transmission Line

Other Transmission Line Expenses Not Listed

Information 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**

**Add 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	No
	Is tower documented for structural analysis?	Yes
	Is tower compliant with Rev G?	Yes
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1034537
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	40° 05' 47.3" N-
	Longitude (NAD83)	104° 54' 05.9" W-
	Overall Structure Height	1169.93 feet
	Support Structure Height	1158.78 feet
	Ground Elevation Above Mean Sea Level (AMSL)	5089.83 feet

	Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
	Tower Owner	Vertical Bridge Towers, LLC
	Date Constructed	06/01/1996

**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
59972	KWOF	FM

## Primary Tower

### Tower Modification Costs

Section	Question	Response
Engineering Study	Please what type of engineering study is required, if any:	No study needed
Tower Reinforcements	Please select whether tower reinforcements are needed:	No 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 Structural Study	Tower Structural Study

## Primary Tower

### Existing Tower

Section	Question	Response
Existing Tower Description	Type of change	Move Equipment
	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	No
	Is tower documented for structural analysis?	Unknown
	Is tower compliant with Rev G?	Unknown
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1254146
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	40° 05' 59.0" N-
	Longitude (NAD83)	104° 54' 04.0" W-
	Overall Structure Height	1158.78 feet
	Support Structure Height	996.71 feet
	Ground Elevation Above Mean Sea Level (AMSL)	5089.83 feet
	Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
	Tower Owner	American Towers, LLC

Date Constructed	07/14/2016
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**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
166510	KPJR-TV	DTV

**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**

Information not provided.

**Outside  
Professional**

Section	Question	Response
<b>Services Costs Outside Project Management Services</b>	Do you require outside project management services?	Yes
	Number of Hours	180
	Explanation	Required by tower landlord.
<b>Outside RF consulting Engineering Services</b>	Perform engineering study for new channel assignment and antenna development	Yes
	Prepare engineering section of Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
<b>Attorney and Other Outside Consulting Services</b>	Prepare and file Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No

	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	NEPA Section 106 environmental review	Yes
	Environmental Assessment	Yes
	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
<b>RF Field Engineering Services</b>	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 Professional Services Costs**      **Other Professional Services Expenses Not Listed**

Services provided.

## Other Expenses

Section	Question	Response
<b>AM Pattern Disturbance</b>	Is an Impact Study needed?	No
	Is Remediation needed?	No
<b>Facility Expenses</b>	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
<b>Permit and Filing Costs</b>	Local Zoning	Yes
	Non-zoning permits	Yes
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	Yes
	FCC License to Cover Application	Yes
	FCC Special Temporary Authority Application	Yes
<b>Other Miscellaneous Expenses</b>	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

<b>Other Expenses</b>	<b>Other Expenses Not Listed</b> Information not provided.
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## 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 Justification
<b>Primary Transmitter THU9-16 EVO</b>	<b>\$1,165,512.50</b>	<b>\$772,180.23</b>		<b>\$666,935.23</b>	
Removal of existing equipment	<i>\$25,000.00</i>	\$25,000.00	N/A	N/A	N
RF Interconnect	<i>\$25,000.00</i>	\$25,000.00	N/A	N/A	N
Other -- Building Addition Size: 450.0	<i>\$6,167.50</i>	\$6,167.50	See attached Centrum Construction Inc. Quote #01.	\$6,167.50	N
10 Ton system	\$38,900.00	\$26,093.00	See attached MTech Mechanical Quote #040218.	\$26,093.00	N
Switchgear - industrial 800 amp	\$38,200.00	\$11,002.07	See attached Cummins Quote #4126000000078480. Taxes payable of \$310.07 included.	\$11,002.07	N
Other Electrical Service: Electrical installation for replacement transmitter.	<i>\$85,245.00</i>	\$85,245.00	See attached McBride Lighting & Electrical Quote #01.	\$30,000.00	N
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	\$947,000.00	\$593,672.66	Correction: See attached Rohde & Schwarz Quote #802-047701.3. Includes \$14,888.66 in total taxes payable on order.	\$593,672.66	N



<b>Sub-total</b>	\$1,165,512.50	\$772,180.23	N/A	\$666,935.23	N
<b>Total for all systems</b>	\$2,593,066.75	\$1,862,162.65	N/A	\$1,158,394.55	N

## Components

<b>Actual Information</b>	
<b>Description</b>	<b>File Name</b>
Removal of existing equipment	Information not provided.
RF Interconnect	Information not provided.
Other -- Building Addition Size: 450.0	<p><b>Component Description:</b> Cost to modify internal space in transmitter building to make room for transmitter placement. Supporting documentation attached. This invoice has been paid.</p> <p><b>Amount:</b> \$6,167.50</p>
10 Ton system	<p><b>Component Description:</b> Cost to supply and install two new 5-ton HVAC systems. Supporting documentation attached.</p> <p><b>Amount:</b> \$26,093.00</p>

Switchgear - industrial 800 amp	<div data-bbox="710 174 1013 208"><b>Component Description:</b></div> <div data-bbox="1150 174 1353 443">Cost of Cummins 800amp switch gear. Supporting documentation attached. This invoice has been paid.</div> <div data-bbox="710 454 817 488"><b>Amount:</b></div> <div data-bbox="1150 454 1281 488">\$11,002.07</div>
Other Electrical Service: Electrical installation for replacement transmitter.	<div data-bbox="710 627 1013 660"><b>Component Description:</b></div> <div data-bbox="1150 627 1364 1014">Down payment for electrical installation of Rohde &amp; Schwarz transmitter. Supporting documentation attached. This invoice has been paid.</div> <div data-bbox="710 1025 817 1059"><b>Amount:</b></div> <div data-bbox="1150 1025 1281 1059">\$30,000.00</div>
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	<div data-bbox="710 1198 1013 1232"><b>Component Description:</b></div> <div data-bbox="1150 1198 1364 1545">75% "remaining balance" payment for Rohde &amp; Schwarz. Invoice includes "total" taxes payable on order. Supporting documentation attached.</div> <div data-bbox="710 1556 817 1590"><b>Amount:</b></div> <div data-bbox="1150 1556 1297 1590">\$448,976.66</div> <div data-bbox="710 1697 1013 1731"><b>Component Description:</b></div> <div data-bbox="1150 1697 1364 1966">25% "down payment" for Rohde &amp; Schwarz transmitter. Supporting documentation attached.</div> <div data-bbox="710 1977 817 2011"><b>Amount:</b></div> <div data-bbox="1150 1977 1297 2011">\$144,696.00</div>

**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
<b>Primary Antenna TFU-18DSC /VP-R C170</b>	<b>\$501,440.00</b>	<b>\$215,259.08</b>		<b>\$138,350.70</b>	
UHF - Lower Power Side Mount, One station antenna -- 200-500 kW, elliptically or circularly polarized	\$227,000.00	\$120,600.00	See attached Dielectric Quote #700495CMZ- 1 (Revised).	\$54,270.00	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$17,548.70	See attached Dielectric Quote #700495CMZ- 1 (Revised). Taxes of \$1,123.70 included in estimate.	\$14,782.50	N/A
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$11,002.53	See attached Dielectric Quote #700495CMZ- 1 (Revised). Taxes of \$704.53 included in estimate.	\$9,268.20	N/A

Sweep test of existing antenna	\$6,730.00	\$6,837.85	See attached Dielectric Quote #700495CMZ- 1 (Revised). Taxes of \$437.85 included in estimate.	\$5,760.00	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

UHF - Lower Power Side Mount, One station antenna -- 200-500 kW, elliptically or circularly polarized	\$227,000.00	\$54,270.00	***System Notice: Estimate adjusted and locked because line has been superseded. ***The estimated cost has been re- entered due to a technical error with the LMS form. Per FCC procedure, we have re- entered the original cost estimate that ties to our 4/2 /2018 submission while the technical issue is resolved.	\$54,270.00	N/A
<b>Sub-total</b>	\$501,440.00	\$215,259.08	N/A	\$138,350.70	N/A
<b>Total for all systems</b>	\$2,593,066.75	\$1,862,162.65	N/A	\$1,158,394.55	N/A

## Components

Actual Information	
Description	File Name

<p>UHF - Lower Power Side Mount, One station antenna -- 200-500 kW, elliptically or circularly polarized</p>	<table> <tr> <td data-bbox="710 168 1013 212"><b>Component Description:</b></td><td data-bbox="1149 168 1364 481">45% "prior to ship" payment for primary antenna. Explanation of variance form and supporting documentation attached.</td></tr> <tr> <td data-bbox="710 492 821 537"><b>Amount:</b></td><td data-bbox="1149 492 1284 537">\$54,270.00</td></tr> </table>	<b>Component Description:</b>	45% "prior to ship" payment for primary antenna. Explanation of variance form and supporting documentation attached.	<b>Amount:</b>	\$54,270.00				
<b>Component Description:</b>	45% "prior to ship" payment for primary antenna. Explanation of variance form and supporting documentation attached.								
<b>Amount:</b>	\$54,270.00								
<p>Side mount brackets for high power antennas (if not included in antenna base cost)</p>	<table> <tr> <td data-bbox="710 660 1013 705"><b>Component Description:</b></td><td data-bbox="1149 660 1380 1019">45% "down payment" for primary antenna side mount brackets. Supporting documentation and explanation of variance attached.</td></tr> <tr> <td data-bbox="710 1030 821 1075"><b>Amount:</b></td><td data-bbox="1149 1030 1268 1075">\$7,391.25</td></tr> <tr> <td data-bbox="710 1164 1013 1209"><b>Component Description:</b></td><td data-bbox="1149 1164 1364 1478">45% "prior to ship" payment for side mount brackets. Explanation of variance form and supporting documentation attached.</td></tr> <tr> <td data-bbox="710 1489 821 1534"><b>Amount:</b></td><td data-bbox="1149 1489 1268 1534">\$7,391.25</td></tr> </table>	<b>Component Description:</b>	45% "down payment" for primary antenna side mount brackets. Supporting documentation and explanation of variance attached.	<b>Amount:</b>	\$7,391.25	<b>Component Description:</b>	45% "prior to ship" payment for side mount brackets. Explanation of variance form and supporting documentation attached.	<b>Amount:</b>	\$7,391.25
<b>Component Description:</b>	45% "down payment" for primary antenna side mount brackets. Supporting documentation and explanation of variance attached.								
<b>Amount:</b>	\$7,391.25								
<b>Component Description:</b>	45% "prior to ship" payment for side mount brackets. Explanation of variance form and supporting documentation attached.								
<b>Amount:</b>	\$7,391.25								

Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	<b>Component Description:</b>	45% "prior to ship" payment for primary elbow complex. Explanation of variance form and supporting documentation attached.
	<b>Amount:</b>	\$4,634.10
	<b>Component Description:</b>	45% "down payment" for primary elbow complex. Supporting documentation and explanation of variance attached.
	<b>Amount:</b>	\$4,634.10

<p>Sweep test of existing antenna</p>	<table> <tr> <td data-bbox="710 174 1013 208"><b>Component Description:</b></td><td data-bbox="1150 174 1374 521"> 45% "down payment" for repack sweep of primary antenna operations. Supporting documentation and explanation of variance attached. </td></tr> <tr> <td data-bbox="710 533 815 566"><b>Amount:</b></td><td data-bbox="1150 533 1267 566">\$2,880.00</td></tr> <tr> <td data-bbox="710 674 1013 707"><b>Component Description:</b></td><td data-bbox="1150 674 1374 1059"> 45% "prior to ship" payment for repack sweep of primary antenna operations. Explanation of variance form and supporting documentation attached. </td></tr> <tr> <td data-bbox="710 1070 815 1104"><b>Amount:</b></td><td data-bbox="1150 1070 1267 1104">\$2,880.00</td></tr> </table>	<b>Component Description:</b>	45% "down payment" for repack sweep of primary antenna operations. Supporting documentation and explanation of variance attached.	<b>Amount:</b>	\$2,880.00	<b>Component Description:</b>	45% "prior to ship" payment for repack sweep of primary antenna operations. Explanation of variance form and supporting documentation attached.	<b>Amount:</b>	\$2,880.00
<b>Component Description:</b>	45% "down payment" for repack sweep of primary antenna operations. Supporting documentation and explanation of variance attached.								
<b>Amount:</b>	\$2,880.00								
<b>Component Description:</b>	45% "prior to ship" payment for repack sweep of primary antenna operations. Explanation of variance form and supporting documentation attached.								
<b>Amount:</b>	\$2,880.00								
<p>Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)</p>	<p>Information not provided.</p>								
<p>UHF - Lower Power Side Mount, One station antenna -- 200-500 kW, elliptically or circularly polarized</p>	<table> <tr> <td data-bbox="710 1435 1013 1469"><b>Component Description:</b></td><td data-bbox="1150 1435 1374 1742"> 45% "down payment" for primary side mount antenna. Supporting documentation and explanation of variance attached. </td></tr> <tr> <td data-bbox="710 1753 815 1787"><b>Amount:</b></td><td data-bbox="1150 1753 1283 1787">\$54,270.00</td></tr> </table>	<b>Component Description:</b>	45% "down payment" for primary side mount antenna. Supporting documentation and explanation of variance attached.	<b>Amount:</b>	\$54,270.00				
<b>Component Description:</b>	45% "down payment" for primary side mount antenna. Supporting documentation and explanation of variance attached.								
<b>Amount:</b>	\$54,270.00								



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	\$222,200.00	\$168,811.43		\$142,201.72	
Rigid Transmission Line - copper, 6 1/8"	\$222,200.00	\$168,811.43	See attached Dielectric Quote #700495CMZ- 1 (Revised). Taxes of \$10,809.53 included in estimate.	\$142,201.72	N/A
Sub-total	\$222,200.00	\$168,811.43	N/A	\$142,201.72	N/A
Total for all systems	\$2,593,066.75	\$1,862,162.65	N/A	\$1,158,394.55	N/A

Components

Actual Information Description	File Name
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Rigid Transmission Line -  
copper, 6 1/8"

**Component Description:**

45% "down  
payment" for  
primary  
transmission line  
cut pieces.  
Supporting  
documentation and  
explanation of  
variance attached.

**Amount:**

\$4,639.95

**Component Description:**

45% "down  
payment" for  
primary  
transmission line.  
Supporting  
documentation and  
explanation of  
variance attached.

**Amount:**

\$66,460.91

**Component Description:**

45% "prior to ship"  
payment for  
primary  
transmission line.  
Explanation of  
variance form and  
supporting  
documentation  
attached.

**Amount:**

\$66,460.91

**Component Description:**

45% "prior to ship"  
payment for  
transmission line  
cut pieces.  
Explanation of  
variance form and  
supporting  
documentation  
attached.

**Amount:**

\$4,639.95

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	Actual Cost Justification
Primary Tower GTOWER	\$213,974.25	\$242,874.25		\$183,024.25	
Tower Structural Study	\$3,474.25	\$3,474.25	See attached Vertical Bridge Quote #01. Taxes of \$224.25 included in estimate.	\$3,474.25	N/A
Tall Tower (greater than 500')	\$210,500.00	\$239,400.00	See attached Worldwide Communications Quote #S-18-919.	\$179,550.00	N/A
Primary Tower GTOWER	\$210,500.00	\$200,000.00		\$0.00	
Tall Tower (greater than 500')	\$210,500.00	\$200,000.00	N/A	N/A	N/A
Sub-total	\$424,474.25	\$442,874.25	N/A	\$183,024.25	N/A
Total for all systems	\$2,593,066.75	\$1,862,162.65	N/A	\$1,158,394.55	N/A

Components

Actual Information	
Description	File Name

Tower Structural Study	<div> <div>Component Description:</div> <div>Cost of Tower Structural Study. Supporting documentation attached. This invoice has been paid.</div> <div>Amount:</div> <div>\$3,474.25</div> </div>
Tall Tower (greater than 500')	<div> <div>Component Description:</div> <div>75% "deposit payment" for tower service. Supporting documentation attached. This invoice has been paid.</div> <div>Amount:</div> <div>\$179,550.00</div> </div>
Tall Tower (greater 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	Actual Cost Justification
Outside Professional Services	\$189,650.00	\$180,852.66		\$27,882.65	
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	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
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	\$2,000.00	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$5,000.00	N/A	\$125.00	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	N/A	N/A
Project management of the transition	\$28,440.00	\$9,088.00	See Shared Equipment and AT Exhibits for more information.	N/A	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$3,000.00	N/A	N/A	N/A

Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	\$10,520.00	\$10,000.00	N/A	N/A	N/A
NEPA Section 106 environmental review, if needed	\$6,310.00	\$6,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$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
RF Exposure Measurements	\$21,050.00	\$20,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$21,014.66	See attached Cooley Invoices #501527-111, 501527-150k, 501527-243.	\$25,757.65	Cooley Invoice #501527-111 dated 1/24 /2018 is a duplicate. Please reject per administrative correction.

<b>Sub-total</b>	\$189,650.00	\$180,852.66	N/A	\$27,882.65	N/A
<b>Total for all systems</b>	\$2,593,066.75	\$1,862,162.65	N/A	\$1,158,394.55	N/A

## Components

<b>Actual Information</b>	
<b>Description</b>	<b>File Name</b>
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	Information not provided.
ASR modification (prepare FCC Form 854)	Information not provided.
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	<div> <div><b>Component Description:</b></div> <div>Cost of engineering consultant preparation of engineering section of FCC Form 2100. Hourly supporting documentation attached. This invoice has been paid.</div> </div> <div> <div><b>Amount:</b></div> <div>\$2,000.00</div> </div>



<p>Perform engineering study for new channel assignment and antenna development</p>	<table> <tr> <td data-bbox="710 168 1013 212"><b>Component Description:</b></td><td data-bbox="1149 168 1380 638"> <p>Cost of engineering consultant for work on new channel assignment and antenna development. Hourly supporting documentation attached. This invoice has been paid.</p> </td></tr> <tr> <td data-bbox="710 649 821 694"><b>Amount:</b></td><td data-bbox="1149 649 1236 694">\$62.50</td></tr> <tr> <td data-bbox="710 784 1013 828"><b>Component Description:</b></td><td data-bbox="1149 784 1380 1299"> <p>Cost of engineering consultant work for new channel assignment and antenna development. Invoice has been corrected per FCC reviewers request. Hourly supporting documentation attached.</p> </td></tr> <tr> <td data-bbox="710 1310 821 1355"><b>Amount:</b></td><td data-bbox="1149 1310 1236 1355">\$62.50</td></tr> </table>	<b>Component Description:</b>	<p>Cost of engineering consultant for work on new channel assignment and antenna development. Hourly supporting documentation attached. This invoice has been paid.</p>	<b>Amount:</b>	\$62.50	<b>Component Description:</b>	<p>Cost of engineering consultant work for new channel assignment and antenna development. Invoice has been corrected per FCC reviewers request. Hourly supporting documentation attached.</p>	<b>Amount:</b>	\$62.50
<b>Component Description:</b>	<p>Cost of engineering consultant for work on new channel assignment and antenna development. Hourly supporting documentation attached. This invoice has been paid.</p>								
<b>Amount:</b>	\$62.50								
<b>Component Description:</b>	<p>Cost of engineering consultant work for new channel assignment and antenna development. Invoice has been corrected per FCC reviewers request. Hourly supporting documentation attached.</p>								
<b>Amount:</b>	\$62.50								
<p>Address transition timing and coordination issues w/ other stations and wireless</p>	<p>Information not provided.</p>								
<p>Prepare and or review reimbursement form</p>	<p>Information not provided.</p>								
<p>Project management of the transition</p>	<p>Information not provided.</p>								
<p>Prepare request for Special Temporary Authorization</p>	<p>Information not provided.</p>								
<p>Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet</p>	<p>Information not provided.</p>								

NEPA Section 106 environmental review, if needed	Information not provided.
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.
Attorney Fees - Negotiation of lease and other matters for shared locations	Information not provided.
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.
RF Exposure Measurements	Information not provided.
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	<div> <div> <b>Component Description:</b> </div> <div> Invoice for KPXC's portion of general repack legal expenses incurred for 42 of the ION repack stations for period 2/1/2017 - 12/15/2017. Payee has corresponded with FCC staff. Hourly supporting documentation and invoice attached. </div> </div> <div> <b>Amount:</b> </div> <div> \$4,742.99 </div>

**Component Description:**

Invoice for KPXC's portion of general repack legal expenses incurred for 47 of the ION repack stations for period 1/1/2018 - 6/30/2018. Cover letter, hourly supporting documentation and invoice attached.

**Amount:**

\$537.87

**Component Description:**

Invoice for KPXC's repack legal expenses incurred for period 1/1/2018 - 3/31/2018. Cover letter, hourly supporting documentation and invoice attached.

**Amount:**

\$15,733.80

**Component Description:**

Invoice for KPXC's portion of general repack legal expenses incurred for 42 of the ION repack stations for period 2/1/2017 - 12/15/2017. Payee has corresponded with FCC staff. Cover letter, hourly supporting documentation and invoice attached.

**Amount:**

\$4,742.99

**Component Description:**

Invoice for station's portion of general repack legal expenses incurred for 42 of the ION repack stations for period 2/1/2017 - 12/15/2017. Payee has corresponded with FCC staff and has provided corrected supporting documentation.

**Amount:**

\$4,837.97

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	\$89,790.00	\$82,185.00		\$0.00	
Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$15,000.00</i>	\$15,000.00	N/A	N/A	N/A
Non-zoning permits	<i>\$15,000.00</i>	\$15,000.00	N/A	N/A	N/A
Local Zoning	<i>\$25,000.00</i>	\$25,000.00	N/A	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$4,000.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 minor change CP application	\$1,110.00	\$1,070.00	N/A	N/A	N/A

Develop and air announcement of upcoming channel change	<b>\$0.00</b>	\$0.00	The amount is yet to be determined (TBD) and ION will submit on-air announcement costs when finalized.	N/A	N/A
Equipment Storage	<b>\$10,000.00</b>	\$10,000.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	<b>\$10,000.00</b>	\$10,000.00	N/A	N/A	N/A
MVPD Notification of Channel Change	<b>\$1,600.00</b>	\$1,600.00	N/A	N/A	N/A
<b>Sub-total</b>	<b>\$89,790.00</b>	<b>\$82,185.00</b>	<b>N/A</b>	<b>\$0.00</b>	<b>N/A</b>
<b>Total for all systems</b>	<b>\$2,593,066.75</b>	<b>\$1,862,162.65</b>	<b>N/A</b>	<b>\$1,158,394.55</b>	<b>N/A</b>

## Components

Information not provided.

Cost Information	Grand Total			
		Predetermined Cost Estimate	Estimated Cost	Actual Cost
	Total for all systems	\$2,593,066.75	\$1,862,162.65	\$1,158,394.55

Reimbursement Status	Question	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

Certification	Section	Question	Response
	Submission of Estimated Expenses Statements	<p>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.</p>	
		<ol style="list-style-type: none"> <li>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.</li> <li>2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> <li>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.</li> </ol>	



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.

<p>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.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p><b>Mario Vasquez</b>  <i>Vice President - Finance, Operations</i></p> <p>12/07/2018</p>

Certification	Section	Question	Response
	Submission of Actual Cost Documentation Statements	WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS 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 AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).	
		<ol style="list-style-type: none"> <li>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.</li> <li>2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.</li> <li>3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> </ol>	

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.

<p>8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.</p> <p>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.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p><b>Mario Vasquez</b>  <i>Vice President - Finance, Operations</i></p> <p>12/07/2018</p>

## Attachments