



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **52953** | Service: **DTV** | Call **KSPX-TV** | Channel: **21 (UHF)** |  
ID: | Sign:  
File **0000028653**  
Number:  
FRN: **0001808468** | Date **07/19**  
Submitted: **/2019**

## Applicant Information

### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>ION MEDIA SACRAMENTO LICENSE, INC.</b> Doing Business As: ION MEDIA SACRAMENTO LICENSE, INC.	Bianca Frye 601 Clearwater Park Road West Palm Beach, FL 33401 United States	+1 (561) 682- 4110	BiancaFrye@ionmedia. com	Corporation

## 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
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	Relocate from ASR #1015686 to ASR #1012855. Replace non-retunable transmitter, install top mounted antenna and transmission line for operation 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	Millennium
	Year	2005
	Type	Inductive Output Tube
	IOT Power Type	Three
	Power Capacity	60 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	THU9-30 EVO
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	46 kW
	Justification for New Transmitter	See attached Transmitter Exhibits. 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)	No
	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	5 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?	No
	Size	N/A
<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**

**Existing Antenna Information**

Section	Question	Response
<b>Existing Antenna Description</b>	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
<b>Existing Antenna Manufacturer and Type</b>	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	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) .....	1000.0 kW

Manufacturer	
Model	TFU- 24DSC-R CT150
Year	2005



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	Top 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) .....	1000.0 kW
	Manufacturer	

Model	ATW26H4-ETCX-21H
Year	2019
Justification for New Antenna	Current slot antenna cannot be re-channelled

## 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
<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.
--------------------	--

**Interim  
Antenna**

**New Antenna Costs**

Section	Question	Response
<b>New Antenna Description</b>	Use	Interim
	Description of Use	N/A
	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?	Yes
<b>New Antenna Manufacturer and Type</b>	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Broadband Slot
	Number of Stations Supported	1
	Number of Panels/Bays	8
	Lower Limit	470.00 MHz
	Upper Limit	698.00 MHz
	Design power capacity in use	25.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power) .....	95.0 kW
	Manufacturer	
	Model	TFU-WB-8
	Year	2017

	Justification for New Antenna	Interim antenna needed to complete move to new channel.
--	-------------------------------	---

**Interim  
Antenna**

**Other Antenna Costs**

Section	Question	Response
<b>Elbow Complex</b>	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	S
	Feed Line Size	4 1/16 inches
<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for an antenna?	No
<b>Pattern Scatter Analysis</b>	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
<b>Sweep Test</b>	Do you require the sweep testing of transmission line and antenna?	Yes

**Interim  
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	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
<b>Existing Transmission Line Manufacturer and Type</b>	Manufacturer	
	Type	Rigid
	Diameter	8 3/16 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1770 feet per run

**Primary**  
**Transmission Line**

**New Transmission Line**

Section	Question	Response
<b>New Transmission Line Costs</b>	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	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	1654 feet per run
	Justification for New Transmission Line	See attached Transmission Line Exhibit

**Primary**  
**Transmission Line**

**Other Transmission Line Expenses Not Listed**

Name	Description
Sweep existing transmission line	Sweep existing transmission line



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?	Candelabra
	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?	Unknown
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1012855
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	38° 14' 50.0" N-
	Longitude (NAD83)	121° 30' 07.0" W-
	Overall Structure Height	1548.87 feet
	Support Structure Height	1437.97 feet
	Ground Elevation Above Mean Sea Level (AMSL)	0.00 feet

	Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
	Tower Owner	Transtower, Inc.
	Date Constructed	08/15/2014

**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
56550	KOVR	DTV
51499	KMAX-TV	DTV

## 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:	Major Reinforcements needed

## Primary Tower

### Tower Rigging Costs

Section	Question	Response
Tower Rigging Costs	Complex Tower	Candelabra
Helicopter Services Required	Are helicopter services required?	Yes

Primary  
Tower

Other Tower Expenses Not Listed

Name	Description
Structural analysis	Structural analysis

## 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?	No
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1015686
Coordinates (NAD83 ( North American Datum of 1983))	Latitude (NAD83)	38° 15' 54.0" N-
	Longitude (NAD83)	121° 29' 28.0" W-
	Overall Structure Height	2000.30 feet
	Support Structure Height	1904.83 feet
	Ground Elevation Above Mean Sea Level (AMSL)	0.00 feet
	Structure Type	TOWER - Free Standing or Guyed Structure

	Tower Owner	Hearst Stations Inc.
	Date Constructed	10/01/1985

**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
51499	KMAX-TV	DTV
10242	KQCA	DTV
33875	KCRA-TV	DTV

**Primary  
Tower**

#### **Tower Rigging Costs**

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

**Primary  
Tower**

#### **Other Tower Expenses Not Listed**

Information not provided.

**Outside  
Professional Services Costs**

Section	Question	Response
<b>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	No
	Environmental Assessment	Yes
	ASR Modification	No
	FAA Consultation (including preparation of FAA Form 7460)	No
	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	No
	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



**Other  
Expenses**

**Other Expenses Not Listed**

Name	Description
<b>K20JX-D Legal</b>	Cost of Legal fees for K20JX-D Non-Repack station.
<b>K20JX-D Antenna structure and construction</b>	Cost of Antenna Structure & construction for K20JX-D Non-Repack station.
<b>K20JX-D Engineering Consulting</b>	Cost of Engineering Consulting for K20JX-D Non-Repack station.
<b>K20JX-D Antenna, Cabling and Associated Elements</b>	Cost of Antenna, cabling, and associated elements for K20JX-D Non-Repack station.
<b>K20JX-D Installation</b>	Cost of Installation for K20JX-D Non-Repack station.
<b>K20JX-D Transmitter and Associated Elements</b>	Cost of transmitter and associated elements for K20JX-D Non-Repack station.
<b>K20JX-D Zoning and Local Permits</b>	Cost of Zoning and Local Permits for K20JX-D Non-Repack station.

## 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
<b>Primary Transmitter THU9-30 EVO</b>	<b>\$1,638,472.51</b>	<b>\$1,316,537.51</b>		<b>\$56,736.07</b>	
Removal of Existing Equipment	<i>\$25,000.00</i>	\$25,000.00	N/A	N/A	N/A
5 Ton system	\$20,250.00	\$19,250.00	N/A	N/A	N/A
Other Electrical Service: Electrical Installation for replacement transmitter	<i>\$95,222.51</i>	\$95,222.51	Please see Jampro Antennas, Inc. Quote #AP 042519d-R1. Cost estimate includes sales tax.	\$47,611.26	N/A
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$1,152,065.00	Please see attached quotes for both IOT and SS transmitters for comparison.	N/A	N/A
RF Interconnect	<i>\$25,000.00</i>	\$25,000.00	N/A	\$9,124.81	N/A
<b>Sub-total</b>	<b>\$1,638,472.51</b>	<b>\$1,316,537.51</b>	<b>N/A</b>	<b>\$56,736.07</b>	<b>N/A</b>
<b>Total for all systems</b>	<b>\$4,029,718.01</b>	<b>\$3,048,638.34</b>	<b>N/A</b>	<b>\$593,676.10</b>	<b>N/A</b>

### Components

Actual Information	
Description	File Name
Removal of Existing Equipment	Information not provided.
5 Ton system	Information not provided.
Other Electrical Service: Electrical Installation for replacement transmitter	<p><b>Component Description:</b> 50% down payment for electrical installation. Supporting documentation is attached.</p> <p><b>Amount:</b> \$47,611.26</p>
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	Information not provided.
RF Interconnect	<p><b>Component Description:</b> 50% "down payment" for additional RF parts. Supporting documentation is attached. This invoice has been paid.</p> <p><b>Amount:</b> \$9,124.81</p>

## 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>Interim Antenna TFU-WB-8</b>	<b>\$105,700.00</b>	<b>\$83,593.00</b>		<b>\$0.00</b>	
Elbow complex, single channel, at antenna input, per 4 1/16. feedline (if needed)	\$9,570.00	\$7,193.00	N/A	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized	\$89,400.00	\$70,000.00	Per FCC procedure regarding the Form 399 technical issue which is erasing previously entered antenna costs, we are re-entering the estimate which was already included in our original submission.	N/A	N/A

<b>Primary Antenna ATW26H4- ETCX-21H</b>	<b>\$336,940.00</b>	<b>\$233,432.47</b>		<b>\$108,406.79</b>	
Sweep test of existing antenna	\$6,730.00	\$6,734.38	Cost for repack sweep. Cost estimate includes sales tax. Please see attached Electronics Research, Inc. Quote #20180820- 033.	\$3,355.44	N/A
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$10,591.18	Cost of elbow complex. Cost estimate includes sales tax. Please see attached Electronics Research, Inc. Quote #20180820- 033.	\$5,277.12	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$10,860.00	See attached ERI Quote #20171026- 111Rev A.	\$0.00	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 - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	\$289,500.00	\$200,246.91	Cost of primary antenna. Cost estimate includes sales tax but does not include EPOL upgrade. Please see attached Electronics Research, Inc. Quote #20180820-033.	\$99,774.23	N/A
<b>Sub-total</b>	\$442,640.00	\$317,025.47	N/A	\$108,406.79	N/A
<b>Total for all systems</b>	\$4,029,718.01	\$3,048,638.34	N/A	\$593,676.10	N/A

## Components

Actual Information	
Description	File Name
Elbow complex, single channel, at antenna input, per 4 1/16. feedline (if needed)	Information not provided.
Sweep test of existing antenna	Information not provided.

UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized	Information not provided.	
Sweep test of existing antenna	<p><b>Component Description:</b></p> <p>35% "upon mfg" for repack sweep of primary antenna operations. Explanation of Variance and supporting documentation attached. This invoice has been paid.</p> <p><b>Amount:</b></p> <p>\$2,348.81</p>	
	<p><b>Component Description:</b></p> <p>15% "payment with order" for repack sweep of primary antenna operations. Explanation of Variance and supporting documentation attached. This invoice has been paid.</p> <p><b>Amount:</b></p> <p>\$1,006.63</p>	

<p>Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)</p>	<table> <tr> <td data-bbox="710 174 1013 212"><b>Component Description:</b></td><td data-bbox="1149 174 1380 571"> 35% "upon mfg" for primary elbow complex.  Explanation of Variance and supporting documentation attached. This invoice has been paid. </td></tr> <tr> <td data-bbox="710 577 821 616"><b>Amount:</b></td><td data-bbox="1149 577 1268 616">\$3,693.98</td></tr> <tr> <td data-bbox="710 716 1013 754"><b>Component Description:</b></td><td data-bbox="1149 716 1380 1113"> 15% "payment with order" for primary elbow complex.  Explanation of Variance and supporting documentation attached. This invoice has been paid. </td></tr> <tr> <td data-bbox="710 1120 821 1158"><b>Amount:</b></td><td data-bbox="1149 1120 1268 1158">\$1,583.14</td></tr> </table>	<b>Component Description:</b>	35% "upon mfg" for primary elbow complex. Explanation of Variance and supporting documentation attached. This invoice has been paid.	<b>Amount:</b>	\$3,693.98	<b>Component Description:</b>	15% "payment with order" for primary elbow complex. Explanation of Variance and supporting documentation attached. This invoice has been paid.	<b>Amount:</b>	\$1,583.14
<b>Component Description:</b>	35% "upon mfg" for primary elbow complex. Explanation of Variance and supporting documentation attached. This invoice has been paid.								
<b>Amount:</b>	\$3,693.98								
<b>Component Description:</b>	15% "payment with order" for primary elbow complex. Explanation of Variance and supporting documentation attached. This invoice has been paid.								
<b>Amount:</b>	\$1,583.14								
<p>Side mount brackets for high power antennas (if not included in antenna base cost)</p>	<p>Information not provided.</p>								
<p>Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)</p>	<p>Information not provided.</p>								



UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	<b>Component Description:</b>	35% "upon mfg" for primary antenna. Explanation of Variance and supporting documentation attached. This invoice has been paid.
	<b>Amount:</b>	\$69,841.96
	<b>Component Description:</b>	15% "payment with order" for primary antenna. Explanation of Variance and supporting documentation attached. This invoice has been paid.
	<b>Amount:</b>	\$29,932.27

## 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
<b>Primary Transmission Line</b>	<b>\$340,508.00</b>	<b>\$246,595.86</b>		<b>\$121,366.75</b>	
Sweep existing transmission line	<i>\$6,400.00</i>	\$6,400.00	N/A	\$2,174.00	N/A
Rigid Transmission Line - copper, 6 1/8"	\$334,108.00	\$240,195.86	Cost of main transmission line and dehydrator. Cost estimate includes sales tax. Please see attached Electronics Research, Inc. Quote #20180820-033. Please see attached Electronics Research, Inc. Quote #20190606-769.	\$119,192.75	N/A
<b>Sub-total</b>	<b>\$340,508.00</b>	<b>\$246,595.86</b>	N/A	<b>\$121,366.75</b>	N/A
<b>Total for all systems</b>	<b>\$4,029,718.01</b>	<b>\$3,048,638.34</b>	N/A	<b>\$593,676.10</b>	N/A

### Components

**Actual Information****Description****File Name**

Sweep existing  
transmission line

**Component Description:**

Payment for sweep  
of current  
transmission line.  
Supporting  
documentation is  
attached. This  
invoice has been  
paid.

**Amount:**

\$2,174.00

Rigid Transmission Line -  
copper, 6 1/8"

**Component Description:**

50% "payment with  
order" for  
additional  
transmission line.  
Supporting  
documentation is  
attached.

**Amount:**

\$3,435.70

**Component Description:**

35% "upon mfg" for  
primary  
transmission line.  
Explanation of  
variance and  
supporting  
documentation  
attached. This  
invoice has been  
paid.

**Amount:**

\$78,245.39

**Component Description:**

35% "upon mfg" for dehydrator for primary antenna. Explanation of variance and supporting documentation attached. This invoice has been paid.

**Amount:**

\$2,784.53

**Component Description:**

15% "payment with order" for primary transmission line. Explanation of variance and supporting documentation attached. This invoice has been paid.

**Amount:**

\$33,533.75

**Component Description:**

15% "payment with order" for dehydrator for primary antenna. Explanation of variance and supporting documentation attached. This invoice has been paid.

**Amount:**

\$1,193.38

## 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
<b>Primary Tower TOWER</b>	<b>\$210,500.00</b>	<b>\$83,714.00</b>		<b>\$41,857.00</b>	
Tall Tower (greater than 500')	\$210,500.00	\$83,714.00	Cost of tower services. Please see attached Electronics Research, Inc. Quote #20190520-602.	\$41,857.00	N/A
<b>Primary Tower GTOWER</b>	<b>\$942,300.00</b>	<b>\$654,883.00</b>		<b>\$254,441.50</b>	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$454,728.00	Cost of tower services. Please see attached Electronics Research, Inc. Quote #20190320-013.	\$227,364.00	N/A
Tower Helicopter Lift	<i>\$60,000.00</i>	\$60,000.00	N/A	N/A	N/A
Major tower reinforcement /modifications	\$421,000.00	\$100,000.00	N/A	N/A	N/A
Structural analysis	<i>\$14,000.00</i>	\$14,000.00	N/A	\$14,000.00	N/A

Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$26,155.00	Cost for tower mapping and for providing and assisting a survey company. Please see attached Electronics Research, Inc. Quote #20190515-546 and Electronics Research, Inc. Quote #20190320-012.	\$13,077.50	N/A
<b>Sub-total</b>	\$1,152,800.00	\$738,597.00	N/A	\$296,298.50	N/A
<b>Total for all systems</b>	\$4,029,718.01	\$3,048,638.34	N/A	\$593,676.10	N/A

## Components

Actual Information	
Description	File Name
Tall Tower (greater than 500')	<p><b>Component Description:</b> 50% "payment due with order" for tower services. Supporting documentation is attached.</p> <p><b>Amount:</b> \$41,857.00</p>

Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	<div> <b>Component Description:</b> 50% "payment due with order" for tower services. Supporting documentation is attached. </div> <div> <b>Amount:</b> \$227,364.00 </div>
Tower Helicopter Lift	Information not provided.
Major tower reinforcement /modifications	Information not provided.
Structural analysis	<div> <b>Component Description:</b> Cost for structural re-analysis. Supporting documentation is attached. </div> <div> <b>Amount:</b> \$2,500.00 </div>
	<div> <b>Component Description:</b> Cost for structural analysis. Supporting documentation is attached. This invoice has been paid. </div> <div> <b>Amount:</b> \$2,500.00 </div>
	<div> <b>Component Description:</b> Cost for structural analysis and candleabra and top plate detail analysis. Supporting documentation is attached. This invoice has been paid. </div> <div> <b>Amount:</b> \$9,000.00 </div>

Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study		<b>Component Description:</b>	50% "payment with order" for cost to provide and assist a survey company. Supporting documentation is attached. This invoice has been paid.
		<b>Amount:</b>	\$8,352.50
		<b>Component Description:</b>	50% "payment with order" for tower mapping. Supporting documentation is attached. This invoice has been paid.
		<b>Amount:</b>	\$4,725.00



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	\$179,130.00	\$161,280.00		\$10,867.99	
RF Exposure Measurements	\$21,050.00	\$20,000.00	N/A	N/A	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	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
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,500.00	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 - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$4,742.99	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	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	\$1,500.00	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$2,625.00	N/A
Project management of the transition	\$28,440.00	\$18,530.00	See AT Exhibits for more information.	N/A	N/A

Prepare and or review reimbursement form	\$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	\$2,000.00	ION is only asking for reimbursement of invoice 241563 (with Cover Letter). Invoice 241222 is now in a different section of the form 399.
<b>Sub-total</b>	\$179,130.00	\$161,280.00	N/A	\$10,867.99	N/A
<b>Total for all systems</b>	\$4,029,718.01	\$3,048,638.34	N/A	\$593,676.10	N/A

## Components

Actual Information	
Description	File Name
RF Exposure Measurements	Information not provided.
Comprehensive coverage verification via field study, if needed	Information not provided.
Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	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.
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	<p><b>Component Description:</b> Invoice for KSPX'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.</p> <p><b>Amount:</b> \$4,742.99</p> <p><b>Component Description:</b> 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.</p> <p><b>Amount:</b> \$4,837.97</p>
Prepare request for Special Temporary Authorization	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

**Component Description:**

Cost of  
engineering  
consultant  
preparation of  
engineering  
section of FCC  
Form 2100. Hourly  
supporting  
documentation  
attached. This  
invoice has been  
paid.

**Amount:**

\$1,500.00

Perform engineering study  
for new channel  
assignment and antenna  
development

**Component Description:**

Cost of RF  
consultant work for  
new channel  
assignment and  
antenna  
development for  
post-repack  
Channel 21.  
Please see cover  
letter and  
supporting  
documentation for  
further context and  
reference. This  
invoice has been  
paid.

**Amount:**

\$2,500.00

**Component Description:**

Cost of  
engineering  
consultant work for  
new channel  
assignment and  
antenna  
development.  
Hourly supporting  
documentation  
attached. This  
invoice has been  
paid.

**Amount:**

\$62.50

**Component Description:**

Cost of  
engineering  
consultant work for  
new channel  
assignment and  
antenna  
development.  
Hourly supporting  
documentation  
attached. This  
invoice has been  
paid.

**Amount:**

\$62.50

Project management of the transition	Information not provided.
Prepare and or review reimbursement form	Information not provided.

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

**Component Description:**

Cost of  
engineering  
consultant work  
related to resolving  
KKPX Channel 14  
interference  
issues. Hourly  
supporting  
documentation  
attached. This  
invoice has been  
paid.

**Amount:**

\$2,000.00

**Component Description:**

Cost of  
engineering  
consultant work  
related to resolving  
KKPX Channel 14  
interference  
issues. Hourly  
supporting  
documentation  
attached. This  
invoice has been  
paid.

**Amount:**

\$2,000.00

**Component Description:**

Cost of  
engineering  
consultant work  
related to resolving  
KKPX Channel 14  
interference  
issues. Hourly  
supporting  
documentation  
attached. This  
invoice has been  
paid.

**Amount:**

\$2,500.00



## 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 Cost Justification
<b>Other Expenses</b>	<b>\$276,167.50</b>	<b>\$268,602.50</b>		<b>\$0.00</b>	
K20JX-D Zoning and Local Permits	<i>\$25,000.00</i>	\$25,000.00	See attached Cost Estimates for K20JX-D (Non-Repack Station). See KSPX Channel 21 Major Modification Construction Permit. See attached KSPX "Request for Waiver of Repack Reimbursement Restriction".	N/A	N/A
K20JX-D Transmitter and Associated Elements	<i>\$20,836.50</i>	\$20,836.50	See Cost Estimates for K20JX-D (Non-Repack Station), KSPX Channel 21 Major Modification Construction Permit, and Cost Estimates Transmitter for K20JX-D attachments. See attached KSPX "Request for Waiver of Repack Reimbursement Restriction".	N/A	N/A

K20JX-D Installation	<b>\$10,000.00</b>	\$10,000.00	See attached Cost Estimates for K20JX-D (Non-Repack Station). See KSPX Channel 21 Major Modification Construction Permit. See attached KSPX "Request for Waiver of Repack Reimbursement Restriction".	N/A	N/A
K20JX-D Antenna, Cabling and Associated Elements	<b>\$11,651.00</b>	\$11,651.00	See Cost Estimates for K20JX-D (Non- Repack Station), KSPX Channel 21 Major Modification Construction Permit, and Cost Estimates Antenna for K20JX-D attachments. See attached KSPX "Request for Waiver of Repack Reimbursement Restriction".	N/A	N/A

K20JX-D Engineering Consulting	<b>\$15,000.00</b>	\$15,000.00	See attached Cost Estimates for K20JX-D (Non-Repack Station). See KSPX Channel 21 Major Modification Construction Permit. See attached KSPX "Request for Waiver of Repack Reimbursement Restriction".	N/A	N/A
K20JX-D Antenna structure and construction	<b>\$90,000.00</b>	\$90,000.00	See attached Cost Estimates for K20JX-D (Non-Repack Station). See KSPX Channel 21 Major Modification Construction Permit. See attached KSPX "Request for Waiver of Repack Reimbursement Restriction".	N/A	N/A
Equipment Storage	<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
DTV Medical Facility Notification	\$11,550.00	\$4,000.00	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	<b>\$25,000.00</b>	\$25,000.00	N/A	N/A	N/A
Non-zoning permits	<b>\$15,000.00</b>	\$15,000.00	N/A	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<b>\$15,000.00</b>	\$15,000.00	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
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
K20JX-D Legal	<b>\$15,000.00</b>	\$15,000.00	See attached Cost Estimates for K20JX-D (Non-Repack Station). See KSPX Channel 21 Major Modification Construction Permit. See attached KSPX "Request for Waiver of Repack Reimbursement Restriction".	N/A	N/A
<b>Sub-total</b>	<b>\$276,167.50</b>	<b>\$268,602.50</b>	N/A	\$0.00	N/A

<b>Total for all systems</b>	\$4,029,718.01	\$3,048,638.34	N/A	\$593,676.10	N/A
------------------------------	----------------	----------------	-----	--------------	-----

## Components

Information not provided.

**Cost  
Information**

**Grand Total**

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$4,029,718.01	\$3,048,638.34	\$593,676.10

**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>07/19/2019</p>

Certification	Section	Question	Response
	Submission of Actual Cost Documentation Statements	<p>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).</p>	
		<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>07/19/2019</p>

## Attachments