

(REFERENCE COPY - Not for submission)

## FCC Form 399: Reimbursement Request

Facility 13960 Service: DTV Call WISE-TV Channel: 34 (UHF)

ID: Sign:

File **0000027871** 

Number:

FRN: **0018223693** Date **05/08** 

Submitted: /2019

## Applicant Information

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

Applicant	Address	Phone	Email	Applicant Type
WPTA LICENSE, LLC Doing Business As: WPTA LICENSE, LLC	Brady Dreasler P.O. BOX 909 QUINCY, IL 62306 United States	+1 (217) 223- 5100	BDREASLER@QUINCYMEDIA.	Limited Liability Company

## Reimbursement Contact Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

#### Preparer Contact Information

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

Applicant	Address	Phone	Email
Tony zumMallen QCommunications, LLC	Tony zumMallen 705B SE Melody LN #314 Lees Summit, MO 64063 United States	+1 (816) 729- 1177	tony@qcom1. com

#### Broadcaster Information and Transition Plan

Question	Response
Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.	Yes
Briefly describe transition plan	To transition from ch 18 to ch 34, tests by Resonant Results, LTD say ANT and TX line can be retuned. New TX and associated systems are needed. An interim system (ant, TX and line) is required.  Combiner needed to share with WPTA.

#### **Transmitters**

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

## Primary Transmitter

## **Existing Transmitter Information**

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter	Manufacturer	
Manufacturer and Type	Model	Sigma
	Year	1998
	Туре	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	21.1 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	ULXTE-60
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	38 kW
	Justification for New Transmitter	Transmitter is not tunable per the manufacturer. See Exhibits Y and Z for details from GatesAir and Comark.

## Primary Transmitter

#### **Other Transmitter Costs**

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	Yes
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	Yes
	Power	300 kVA
	Rigid Conduit and Wiring	Yes
	Size	2 inches
	Length	800.0 feet

	Other Electrical Service	No
	Description	N/A
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Туре	Cooling Only
	Size	25 tons
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	Yes
	Size	200.0 square feet
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
Sales Tax for EQ	Sales Tax for EQ
Disconnect existing Transmitter	Disconnect transmitter and components from existing configuration and move within building to make way for new facilities.
Securirty - Site	This site requires security once the new transmission line and equipment arrive on site to be installed. Estimated length of 4-6 weeks.
Site Survey - TX	Site survey and report are required to be performed before the new transmitter and components installation plan can be finalized.

Transmitter site Preparation	Site prep for installation of the interim and main transmitters and RF components not part of Installation SOW.
Freight	Freight from mfg to staging area
Transmitter - Training	Transmitter training - offsite - 1 week in duration at mfg site.

#### Interim Transmitter

#### **New Transmitter Costs**

Section	Question	Response
New Transmitter	Use	Interim
	Description of Use	N/A
	Change Type	Purchase
	Manufacturer	
	Model	ULXTE-30
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	21 kW
	Justification for New Transmitter	Interim facility is required to avoid prolonged period of station silence during transition, and station currently has no aux facility to use for interim operation. Extended silent period during transition to new channel is unreasonable.

#### Interim 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	Yes
	Size	2 inches
	Length	800.0 feet
	Other Electrical Service	No
	Description	N/A
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Туре	Cooling Only
	Size	25 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?	Yes

#### Interim Transmitter

#### **Other Transmitter Cost Not Listed**

Name	Description
Freight	Freight from mfg to staging area
Sales Tax	Sales tax for eq

#### **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	Retune Existing
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Owner	WPTA License, LLC
	Site	N/A
	Is the existing antenna shared with another station or stations?	Yes
	Is the existing antenna directional?	No
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
Existing Antenna	Class	Full Power
Manufacturer and Type	Mounting	Top Mount
	Antenna position in stack	Not in Stac
	Polarization	Horizontal
	Туре	Other
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A

Lower Limit	N/A
Upper Limit	N/A
Other Antenna Type	Omni- Directional
ERP: (Effective Radiated Power)	320.0 kW
Manufacturer	Dielectric
Model	TUA-O4-10 /40H-T-1R
Year	2001

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

Facility ID	Call Sign
73905	WPTA

#### Primary Antenna

## **Adjustment to Existing Antenna**

Section	Question	Response
Sweep Test of Existing Antenna	Do you need a sweep test of existing antenna?	Yes

#### 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

# Enter a list of RF channel numbers.

RF Channel Number
24
34

#### Primary Antenna

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

Name	Description
Retune Antenna	Per Resonant Results, Ltd. Field report 2/21 /2017 see EX V for pricing quote

#### Interim Antenna

#### **New Antenna Costs**

Section	Question	Response
New Antenna Description	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	Yes
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	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	100.0 %
Other Antenna Type	N/A
ERP: (Effective Radiated Power)	45.0 kW
Manufacturer	
Model	TFU-8-WB
Year	2017
Justification for New Antenna	Interim facility is required to avoid prolonged period of station silence during transition, and station currently has no aux facility to use for interim operation. Extended silent period during transition to new channel is unreasonable.

#### Interim Antenna

#### **Other Antenna Costs**

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
	Туре	

	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	В
	Feed Line Size	4 1/16 inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an antenna?	Yes
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

#### Interim Antenna

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

Name	Description
FREIGHT	FREIGHT FROM MFG TO STAGING AREA

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

## Primary Transmission

## **Existing Transmission Line**

Line ection	Question	Response
Existing Transmission Line Description	Type of change	Utilize Existing
	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	Dielectric
Line Manufacturer and Гуре	Туре	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	797 feet

## Primary Transmissio

## Other Transmission Line Expenses Not Listed

on Line	Description
Refurbish Transmission Line	Per Resonant Results Ltd, field report dated 2/21/2017 - See Exhibits - W and X - engineering reports.
Disconnect existing Interior RF components	Disconnect interior RF transmission line and filters from existing configuration and move within the building to make way for new facilities.

#### Interim Transmissi

#### **New Transmission Line**

ion Line	Question	Response
New Transmission Line	Use	Interim
Costs	Description of Use	N/A
	Change Type	Purchase New
	Туре	Rigid
	Diameter	4 1/16 inches
	Segment Length	19 ½ '
	Other Segment Length	
	Number of parallel runs	1
	Length	775 feet per

Instification for New Transmission Lie -	lasta ulua
Justification for New Transmission Line	Interim
	facility is
	required to
	avoid
	prolonged
	period of
	station
	silence
	during
	transition,
	and station
	currently has
	no aux
	facility to use
	for interim
	operation.
	Extended
	silent period
	during
	transition to
	new channel
	is
	unreasonable.

Other Transmission Line Expenses Not Listed Transmission Line tion not provided.

# Tower Equipment And Rigging Costs

Section	Question	Response
Tower Equipment or Rigging Costs Changes	Do you have tower equipment or rigging costs changes?	Yes

### Primary Tower

## **Existing Tower**

Section	Question	Response
Existing Tower Description	Type of change	Construct New
	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?	Unknown
Existing Tower Structure	Do you have a tower registration number?	Yes
Registration	ASR Number	1029441
Coordinates (NAD83 ( North American Datum of 1983))	Latitude (NAD83)	41° 06' 08.0" N-
	Longitude (NAD83)	085° 11' 05.0" W-
	Overall Structure Height	770.99 fee
	Support Structure Height	725.06 fee
	Ground Elevation Above Mean Sea Level (AMSL)	796.91 fee

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	WPTA Television, Inc.
Date Constructed	01/01/1957

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
73905	WPTA	DTV

#### 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	727.00 feet
	Justification for New Tower	See uploaded file for full details of requirements. WISE-13960 Tower request supporting documents-4- 4-18

#### 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
Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	914
	Explanation	Scope & significance of project (QMI has multiple stations repacked) require outside management services to augment existing internal personnel to assist turnkey management of and ensure timely and safe execution of channel relocation. CO 20392
Outside RF consulting Engineering Services	Perform engineering study for new channel assignment and antenna development	Yes
	Prepare engineering section of Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes

	Prepare request for Special Temporary Authority	Yes
	Quantity	4
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
Attorney and Other Outside Consulting	Prepare and file Form FCC Construction Permit Application	Yes
Services	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	4
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	No
	FAA Consultation (including preparation of FAA Form 7460)	No
	Negotiation of Lease and other Matter for Shared Locations	No
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	Yes
RF Field Engineering Services	Comprehensive coverage verification via field study	Yes

RF exposure measurements	No
Additional Field Engineering Service	No
Number of Days	N/A
Justification	N/A

#### Outside Professional

## Other Professional Services Expenses Not Listed

Services Costs	Description
Quarterly reporting -Atty	Preparation and submittal of the FCC required quarterly report 387 attorney. We est. 10qtrs for WISE at \$750/qtr.
Vendor Travel Expenses	Reimbursable Vendor Travel expenses for working in the field on behalf of the station for the Repack project - see quote for estimated expenses.
General Legal fees	General legal fess that are not covered under the 399 EST line items and required to repack the station.

# Other Expenses

Section	Question	Response
AM Pattern Disturbance	Is an Impact Study needed?	No
	Is Remediation needed?	No
Facility Expenses	Name	N/A
	Other Distributed Transmission System Expenses Not listed	N/A
	Name	N/A
	Is Notification of a Medical Facility required as a result of DTV broadcasting?	Yes
Permit and Filing Costs	Local Zoning	No
	Non-zoning permits	No
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	No
	FCC License to Cover Application	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 Not Listed

**Expenses** Information not provided.

# **Cost Information**

#### **Transmitters**

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

			Estimated		
Description	Predetermined Cost Estimate	Estimated Cost	Cost Justification	Actual Cost	Actual Cost Justification
Interim Transmitter ULXTE-30	\$1,298,574.79	\$1,236,874.79		\$758,013.36	
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	\$947,000.00	\$900,000.00	N/A	\$559,982.05	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	\$4,997.49	N/A
2" Rigid Conduit and Wiring (Cost per foot)	\$20,800.00	\$20,000.00	N/A	N/A	N/A
Sales Tax	\$43,412.02	\$43,412.02	EST SALES TAX wise interim eq	\$43,412.02	N/A
25 Ton system	\$91,500.00	\$87,000.00	Required the the new interim transmitter will be placed in a room that is not currently equipped with necessary HVAC ventilation to operate a transmitter.	\$59,787.00	N/A

UHF inside RF system including	\$147,500.00	\$140,000.00	N/A	\$79,672.08	N/A
switching					
Freight	\$10,162.77	\$10,162.77	Freight from mfg to staging area per Q-73719 CO 20504	\$10,162.72	N/F
Primary Transmitter ULXTE-60	\$1,863,848.42	\$1,789,485.03	00 2000 1	\$1,299,024.96	
Transmitter - Training	\$3,300.00	\$3,300.00	Transmitter training - offsite - 1 week in duration at mfg site.	N/A	N/A
Freight	\$11,000.00	\$11,000.00	FREIGHT EST PER Q- 73718	N/A	N/A
Transmitter site Preparation	\$11,500.00	\$11,500.00	Site prep for installation of the interim and main transmitters and RF components not part of Installation SOW.	\$11,500.00	N/A
Site Survey - TX	\$25,000.00	\$25,000.00	Site survey and report are required to be performed before the new transmitter and components installation plan can be	\$16,500.00	N/A

Securirty - Site	\$17,500.00	\$17,500.00	This site requires security once the new transmission line and equipment arrive on site to be installed. Estimated length of 4-6 weeks.	N/A	N/A
Disconnect existing Transmitter	\$20,000.00	\$20,000.00	Disconnect transmitter and components from existing configuration and move within building to make way for new facilities.	\$18,500.00	N/A
Sales Tax for EQ	\$80,848.42	\$80,848.42	Sales Tax for WISE - Main TX eq per MFG est and inv.	\$35,002.83	N/A
Other Building Addition Size: 200.0	\$20,000.00	\$20,000.00	Necessary to transition the interim and final transmitter installation locations.	N/A	N/A
25 Ton system	\$91,500.00	\$87,000.00	N/A	\$59,787.00	N/A
2" Rigid Conduit and Wiring (Cost per foot)	\$20,800.00	\$20,000.00	N/A	N/A	N/A

Transformer 3 phase /480v - 300 KVA	\$36,800.00	\$35,000.00	N/A	\$10,679.71	N/A
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$1,400,000.00	N/A	\$1,102,418.81	N/A
Service entrance 3 phase/800 amp/208 volt	\$14,400.00	\$13,700.00	N/A	N/A	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$44,636.61	PER Q- 75864	\$44,636.61	N/A
Sub-total	\$3,162,423.21	\$3,026,359.82	N/A	\$2,057,038.32	N/A
Total for all systems	\$5,484,532.71	\$5,399,497.32	N/A	\$3,579,981.39	N/A

#### Components

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

UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW

Component Description: WISE- INT TX 3RD

INV FOR LINES A B INV TE10004484-3 - CORRECTED

**MODEL** 

**Amount:** \$174,047.71

Component Description: WISE-GATES-

INTERIM-4TH INV FOR LINE D OF INV US0321042

**Amount:** \$11,547.56

Component Description: WISE-GATES-

INTERIM TX - 2ND INV FOR TX -LINES A, B AND D FOR Q-73719

**Amount:** \$187,193.39

Component Description: WISE-GATES-

INTERIM TX - INV FOR TX - LINES A, B AND D FOR Q-

73719

**Amount:** \$187,193.39

Switchgear - industrial 800 amp		
	<b>Component Description:</b>	WISE-GATES-
		INTERIM-1/3 FOR
		ELEC LINE C OF Q
		73719
	Amount:	\$1,665.83
	Component Description:	WISE-GATES-
		INTERIM-3RD INV
		FOR ELEC LINE C
		INV TE10004484-3
		CORRECTED
		MODEL
	Amount:	\$1,665.83
	Component Description:	WISE-GATES-
		INTERIM-2ND INV
		FOR ELEC LINE C
		OF Q-73719
	Amount:	\$1,665.83
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	

Component Description:  Amount:	WISES GATES INT TX 3RD INV SALES TAX INV TE10004484-3 CORRECTED MODEL \$14,137.71
Amount:	SALES TAX INV TE10004484-3 CORRECTED MODEL
Amount:	TE10004484-3 CORRECTED MODEL
Amount:	CORRECTED MODEL
Amount:	
Amount:	\$14,137.71
<b>Component Description:</b>	WISE-GATES-
Component Description.	INTERIM INV 1/3
	FOR UPLOADED
	QUOTE Q-73719
Amount:	\$13,220.14
Component Description:	WISE-GATES-
, , , , , , , , , , , , , , , , , , , ,	INTERIM 2ND INV
	FOR SALES TAX-
	QUOTE Q-73719
Amount:	\$13,220.15
Component Description:	WISE-GATES-INT-
	TX 4TH INV-
	US0321042 FOR
	SALES TAX
Amount:	\$2,834.02
Component Description:	WISE - CURRENT
	HVAC FOR THE
	INTERIM IS HALF
	OF THE TOTAL INV FOR PO 20323
Amount:	\$59,787.00
	Component Description:  Amount:  Component Description:  Amount:

UHF inside RF system		
including switching	Component Description:	WISE-GATES-INT-
		TX 4TH INV-
		US0321042 FOR
		RF COMP
	Amount:	\$27,933.80
	Component Description:	WISE-GATES-
		INTERIM-3RD INV
		FOR RF INV
		TE10004484-3
		CORRECTED
		MODEL
	Amount:	\$51,738.28
Freight		
	Component Description:	WISE-GATES-INT-
		4TH INV-
		US0321042 -
		FREIGHT -
	Amount:	\$7,596.06
	Component Description:	WISE-GATES-INT-
		2ND INV-
		TE10004484-2 -
		FREIGHT - SEE Q-
		73719
	Amount:	\$2,566.66
Transmitter - Training	Information not provided.	
Freight	Information not provided.	
Transmitter site		
Preparation	Component Description:	WISE - QCOMM
		MAIN AND
		INTERIM TX SITE
		PREP INV QC18-
		055
		000
	Amount:	\$11,500.00

Site Survey - TX		
	<b>Component Description:</b>	WISE-SURVEY-
	Amount:	INV QC18-033
	Amount:	\$16,500.00
Securirty - Site	Information not provided.	
Disconnect existing Transmitter		
Transmitter	<b>Component Description:</b>	WISE QCOMM
		DECOMM TX INV
		QC18-081
	Amount:	\$18,500.00
Sales Tax for EQ		
	Component Description:	WISE GATES
		MAIN TX - 3RD INV
		TE10004490-3
		FOR SALES TAX
	Amount:	\$8,053.36
	Component Description:	WISE- GATES-
		MAIN TX- sales tax
		per inv est.
	Amount:	\$26,949.47
Other Building Addition Size: 200.0	Information not provided.	
25 Ton system		
	Component Description:	WISE - CURRENT
		HVAC FOR THE
		MAIN IS HALF OF
		THE TOTAL INV
		FOR PO 20323
	Amount:	\$59,787.00

Transformer 3 phase/480v - 300 KVA		
- 300 KVA	Component Description:	WISE-GATES- MAIN TX - INV TE10004490-3 LINE D
	Amount:	\$3,559.90
	Component Description:	WISE-GATES- MAIN TX - INVTE10004490-2 LINE D
	Amount:	\$3,559.90
	Component Description:	WISE-GATES_ MAIN TX - ELEC per uploaded Q- 73718 line C.
	Amount:	\$3,559.91
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	Component Description:	WISE-GATES-TX- INV TE10004490-3
	Amount:	- LINE A,B, E - TAX \$361,221.05
	Component Description:	WISE-MAIN-TX- INV TE10004490-2 LINE A,B,E
	Amount:	\$374,644.06
	Component Description:	WISE- MAIN-TX- INV - FOR LINES A B AND E OF Q- 73718, UPLOADED
	Amount:	\$366,553.70
Service entrance 3 phase /800 amp/208 volt	Information not provided.	

Switchgear - industrial 800 amp	Component Description:	WISE-GATES-
	Component Description.	MAIN-TX - INV -
		FOR QUOTE Q-
		73718 LINE C.
	Amount:	
	Amount:	\$14,878.87
	Component Description:	WISE-GATES-TX-
		INV TE10004490-3
		- LINE C RF
	Amount:	\$14,878.86
	Common and Docarindian.	MICE CATEC TV
	Component Description:	WISE-GATES-TX-
		INV TE10004490-2
	Amount:	- LINE C
	Amount:	\$14,878.88

# **Cost Information**

#### **Antennas**

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Antenna TFU-8-WB	\$183,317.50	\$181,027.50		\$56,407.50	
FREIGHT	\$2,227.50	\$2,227.50	FREIGHT FROM MFG TO STAGING AREA - INV 93050	\$2,227.50	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$22,000.00	N/A	N/A	N/A
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,000.00	N/A	N/A	N/A

Elbow complex, broadband, at antenna input, per 4 1/16. feedline (if needed)	\$10,950.00	\$10,400.00	N/A	\$9,255.00	N/A
UHF - High Power, Side Mount, basic slot antenna, 8 bay,, 45 kW input, horizontally polarized	\$135,000.00	\$135,000.00	Entered Catalog of Costs dollar amount. For some reason the form stated \$0.00 in the Predetermined block for the replacement Primary antenna. Not sure why. We tried many options to alleviate the situation an none but adding the EST cost cured the issue.	\$44,925.00	N/A
Primary Antenna TUA-O4-10 /40H-T-1R	\$117,830.00	\$192,600.00		\$0.00	
Retune Antenna	\$13,200.00	\$13,200.00	Retune Antenna estimated cost per EX V - PCI estimate e17449-5A.	N/A	N/A
New combiner, cost per channel (without antenna)	\$84,200.00	\$160,000.00	\$80k per Catalog of cost - \$80k for each channel 24 and 34.	N/A	N/A

Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	\$13,700.00	\$13,000.00	N/A	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
UHF - High Power Top Mount One Station antenna horizontally polarized	\$0.00	\$0.00	N/A	N/A	N/A
Sub-total	\$301,147.50	\$373,627.50	N/A	\$56,407.50	N/A
Total for all systems	\$5,484,532.71	\$5,399,497.32	N/A	\$3,579,981.39	N/A

Actual Information Description	File Name	
FREIGHT		
	Component Description:	WISE-DIE- FREIGHT-INT-INV 93050 BALANCE PAYMENT LINE 17
	Amount:	\$2,227.50
	Component Description:	WISE-DIE-
	Component Description.	FREIGHT-INT-INV
		93050 BALANCE
		PAYMENT
	Amount:	\$2,227.50

Sweep test of existing antenna	Information not provided.	
Side mount brackets for high power antennas (if not included in antenna base cost)	Information not provided.	
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.	
Elbow complex, broadband, at antenna input, per 4 1/16. feedline (if needed)	Component Description:	WISE - DIE- INTERIM-ELBOW- LINE 16 - INV93050 BALANCE
	Amount:	\$925.50
	Component Description:	ELBOW-WISE MAIN INV 45 PERCENT LINE 17
	Amount:	\$4,164.75
	Component Description:	WISE - DIE- INTERIM-ELBOW- LINE 16 - INV93050 BALANCE
	Amount:	\$925.50
	Component Description:	WISE - DIE- INTERIM-ELBOW- LINE 17 - MAN00114
	Amount:	\$4,164.75

UHF - High Power, Side Mount, basic slot antenna, 8 WISE-**Component Description:** bay,, 45 kW input, **DIELECTRIC-INT**horizontally polarized **BALANCE INV** 93050 LINE 1 Amount: \$4,492.50 **Component Description:** WISE-DIE-**INTERIM ANT-**2nd INV LINE 1 -MAN00114 3-28 uploaded Order Conf # 407003 **Amount:** \$20,216.25 **Component Description: INTERIM ANT-**WISE-45 PERCENT INV LINE 1 Amount: \$20,216.25 **Component Description:** WISE-**DIELECTRIC-INT-BALANCE INV** 93050 LINE 1 Amount: \$4,492.50 Retune Antenna Information not provided. New combiner, cost per Information not provided. channel (without antenna) Elbow complex, broadband, Information not provided. at antenna input, per 6 1/8. feedline (if needed) Information not provided. Sweep test of existing antenna UHF - High Power Top Information not provided. Mount One Station antenna horizontally polarized

# **Cost Information**

### **Transmission Line**

Description Interim Transmission Line	Predetermined Cost Estimate \$110,050.00	Estimated Cost \$104,625.00	Estimated Cost Justification	Actual Cost \$79,487.10	Actual Cost Justification
Rigid Transmission Line - copper, 4 1 /16"	\$110,050.00	\$104,625.00	N/A	\$79,487.10	N/A
Primary Transmission Line	\$63,900.00	\$63,900.00		\$11,500.00	
Refurbish Transmission Line	\$51,400.00	\$51,400.00	EST to refurbish the existing Transmission line to meet the necessary specifications as per the 2 /21/17, Field report by Resonant Results, Ltd.	\$0.00	OVERAGE DUE TO SALES TAX AND FRIEGHT THAT WAS NOT ACCOUNTEI FOR ON THE ORIGINAL PROJECT QUOTE. T&C's #3 AND #4 APPLY, TOTAL- 1,876.14

Disconnect existing	\$12,500.00	\$12,500.00	Disconnect interior RF	\$11,500.00	N/A
Interior RF			transmission		
components			line and		
			filters from		
			existing		
			configuration		
			and move		
			within the		
			building to		
			make way for		
			new facilities.		
Sub-total	\$173,950.00	\$168,525.00	N/A	\$90,987.10	N/A
Total for all systems	\$5,484,532.71	\$5,399,497.32	N/A	\$3,579,981.39	N/A

Actual Information	
Description	File Name

Rigid Transmission Line - copper, 4 1/16"	Component Description:	WISE-DIE- INTERIM- LINE - BALANCE invoice
	Amount:	- 93050 - LINE 2 \$5,894.90
	Component Description:	LINE INTERIM- LINE 2 DEPOSIT INV 45
	Amount:	PERCENT WISE \$36,796.10
	Component Description:	WISE-DIE- INTERIM- LINE - BALANCE invoice
	Amount:	- 93050 - LINE 2 \$5,894.90
	Component Description:	WISE-DIE-

INTERIM- LINE -2

nd invoice -MAN00114 -LINES 2 and 19

**Amount:** \$36,796.10

	Component Description:	WISE-PCI-INV
	Component Description.	7041-30F3 LINE
		REFURB
	Amount:	\$17,766.15
	Component Description:	INV 6979-10F3
		LINE REFUB INV
		WISE-
	Amount:	\$18,329.10
	Component Description:	INV 7032 -20F3
		LINE REFURB -
		WISE
	Amount:	\$17,180.89
Disconnect existing Interior		
RF components	Component Description:	WISE QCOMM
		DECOMM RF
		INV QC18-081
	Amount:	\$11,500.00

## **Cost Information**

## **Tower Equipment and Rigging Costs**

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower TOWER	\$0.00	\$0.00		\$0.00	
Primary Tower	\$1,482,840.00	\$1,480,140.00		\$1,213,216.62	
New tower	\$1,259,740.00	\$1,259,740.00	see uploaded file for full request details and proposal and PO. file - WISE-13960 Tower request supporting documents- 4-4-18 7-11- Added \$76,875.00 for temporary parking lot because of new tower construction requirements.	\$1,192,816.62	N/A
Tall Tower (greater than 500')	\$210,500.00	\$200,000.00	N/A	N/A	N/A

Structural	\$12,600.00	\$20,400.00	FAILING	\$20,400.00	N/A
engineering			TOWER		
tower load			ANALYSIS		
study for			REQUIRED		
well			NEW		
documented			DRAWINGS		
tower			AND		
			ANALYSIS		
			AS WE		
			TRIED TO		
			ENGINEER		
			OUT OF A		
			NEW		
			TOWER		
Sub-total	\$1,482,840.00	\$1,480,140.00	N/A	\$1,213,216.62	N/A
Total for all systems	\$5,484,532.71	\$5,399,497.32	N/A	\$3,579,981.39	N/A

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

New tower		
	Component Description:  Amount:	WISE - LOHNES - INV -201803- 0275-15 - FAA NOTICE AND ASR \$2,400.00
	Component Description:  Amount:	WISE - ERI NEW TOWER 2ND INVOICE WISE- 004 TOWER IS ERECTED \$595,634.12
	Amount.	<b>Ф</b> 393,634.12
	Component Description:	WISE-ASPHALT FOR TEMP LOT DU TO NEW TOWER-INV 16198
	Amount:	\$56,000.00
	Component Description:	WISE- ERI- TOWER ENGR SURVEY- INV 51231- 6-11- FORMAT CHANGE TO INV
	Amount:	\$3,300.00
	Component Description:  Amount:	WISE - ERI - INV WISE-001 Invoice covers Materials for Custom Guyed Tower \$591,482.50
Tall Tower (greater than	Information not provided.	
500')	momation not provided.	

Structural engineering tower	
load study for well	Compon
documented tower	Compone

Component Description: WISE-TOWER

ANALYSIS -PJ FORD-SEE PO 19985 AND QUOTE UPLOADED

**Amount:** \$3,900.00

Component Description: WISE-FORD-

TOWER

DRAWING FOR

TOWER

ANALYSIS-INV

202415

**Amount:** \$16,500.00

## **Cost Information**

### **Outside Professional Services**

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actua Justif
Outside Professional Services	\$304,092.00	\$291,330.00		\$158,481.85	
Vendor Travel Expenses	\$15,080.00	\$15,080.00	Reimbursable Vendor Travel expenses for working in the field on behalf of the station for the Repack project - see quote for estimated expenses. CO 20392 DUE TO NEW TOWER	\$11,254.55	N
Quarterly reporting -Atty	\$7,500.00	\$7,500.00	Preparation and submittal of the FCC required quarterly report 387 by attorney. We estimate that Phase 6 will require 10 quarters@\$750 of report 387 submittals.	\$0.00	N
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	N/A	N/A	N
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$14,720.00	\$14,000.00	N/A	N/A	N

Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	N/A	N
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$4,760.00	N
Prepare request for Special Temporary Authorization	\$8,200.00	\$6,000.00	N/A	N/A	N
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$1,650.00	N
General Legal fees	\$5,000.00	\$5,000.00	General legal fess that are not covered under the 399 EST line items and required to repack the station.	\$1,015.30	N

Total for all systems	\$5,484,532.71	\$5,399,497.32	N/A	\$3,579,981.39	N
Sub-total	\$304,092.00	\$291,330.00	N/A	\$158,481.85	N
			BUILD AND CONFIGURATION ENGINEERING.		
			CHANGES FORCED BY A NEW TOWER		
the transition			PROJECT		
Project management of	\$144,412.00	\$140,000.00	CO 20392 DUE TO MULTIPLE	\$136,950.00	N
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	N
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	\$752.00	N
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$2,100.00	N

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

Vendor Travel Expenses		
	Component Description:	WISE-QCOMM-PM- TRAVEL INV- QC17- 151- ITEM 1010- 1015 SEE QC17006
	Amount:	\$2,254.55
	Component Description:	WISE - QCOMM PM 8THRUOCT18 TRAVEL- PO CO 20392
	Amount:	\$9,000.00
Quarterly reporting -Atty	Information not provided.	
Comprehensive coverage verification via field study, if needed	Information not provided.	
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.	
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.	

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Component Description: Amount:	LEGAL APRIL17 WILEY-WISE \$410.00
	Component Description: Amount:	LEGAL JULY17 WILEY WISE \$1,995.00
	Component Description: Amount:	LEGAL WILEY AUG17-WISE \$392.50
	Component Description: Amount:	LEGAL WILEY JUNE17 WISE \$1,962.50
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: Amount:	WISE - ENGR NEW CH-CP \$1,650.00

General Legal fees		
	Component Description:	WISE - Legal fees for tower approval-
		INV 20180201
	Amount:	\$1,022.00
	Component Description:	WISE-SHINE-NEW TOWER LEGAL
	Amount:	FEES AND PERMIT \$1,015.30
Perform engineering study		
for new channel assignment and antenna	Component Description:	WISE-ENGR-NEW CHANNEL
development	Amount:	\$2,100.00
Address transition timing and coordination issues w/		
other stations and wireless	Component Description:	OPERATIONAL MEETING QMI AND SAGAMOREHILL
	Amount:	ATTY \$611.00
	Component Description:	WISE- BROOKS-
		legal- shared
	Amount:	services inv 3944698 \$188.00
		ODEDATIONAL
	Component Description:	OPERATIONAL MEETING ATTY OF QMI AND
		SAGAMOREHILL - WISE
	Amount:	\$141.00
Prepare and or review reimbursement form	Information not provided.	

Project management of the transition

Component Description: WISE QCOMM PM

4THRU7-18, NEW TOWER BEGAN -INV QC18-071 CO

20392

**Amount:** \$49,350.00

Component Description: WISE-QCOMM-PM-

INV QC17-151-MAR-AUG17

**Amount:** \$16,230.00

Component Description: WISE QCOMM PM

AUG THRU OCT18 INV QC19-020 CO

20392

**Amount:** \$39,000.00

Component Description: WISE-PM-1THRU3-

18-INV-QC18-046

**Amount:** \$17,355.00

Component Description: PM-WISE 50

PERCENT DEPOSIT INV

000 4 47 50

**Amount:** \$29,147.50

Component Description: WISE-PM-SEPT-

DEC-17 - INV QC18-

017

**Amount:** \$15,015.00

# **Cost Information**

### **Other Expenses**

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Co
Other Expenses	\$60,080.00	\$59,515.00		\$3,850.00	
Develop and air announcement of upcoming channel change	\$15,000.00	\$15,000.00	Required FCC announcements and good will public relations must we upheld. The production airing and disseminating of these announcements are fundamental to our operations.	N/A	N/A
Equipment Storage	\$10,000.00	\$10,000.00	Expecting multiple staggered equipment deliveries from different vendors and need to store and stage new equipment prior to installation date. Anticipate from 6-24 months of storage time.	\$3,850.00	N/A
Equipment Delivery and Handling Charges	\$8,000.00	\$8,000.00	Transport, forklift rental and handling fees from staging area to transmitter site.	N/A	N/A

Disposal Costs (for equipment and other waste, net of any salvage value)	\$10,000.00	\$10,000.00	40 yard disposal bin on site to capture all waste from on site system integration and tower vendors with multiple pick up for at least 6 months on site.	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	\$11,000.00	N/A	N/A	N/A
MVPD Notification of Channel Change	\$5,000.00	\$5,000.00	Required FCC notification.	N/A	N/A
Sub-total	\$60,080.00	\$59,515.00	N/A	\$3,850.00	N/A
Total for all systems	\$5,484,532.71	\$5,399,497.32	N/A	\$3,579,981.39	N/A

Actual Information Description	File Name
Develop and air announcement of upcoming channel change	Information not provided.

Equipment Storage		
	Component Description:	WISE-FORKLIFT RENT TO UNLOAD INTO STORAGE. INV 1004
	Amount:	\$250.00
	Component Description:	WISE-STORAGE- 1-18 THRU-4-11- 18 INV-1003
	Amount:	\$1,800.00
	Component Description:	WISE - EQ STORAGE-4-12- 18-7-12-18 - INV 1008
	Amount:	\$1,800.00
Equipment Delivery and Handling Charges	Information not provided.	
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.	
FCC Filing Fees - Special Temporary Authorization request	Information not provided.	
FCC Filing Fees - Form 2100 license to cover application	Information not provided.	
DTV Medical Facility Notification	Information not provided.	
MVPD Notification of Channel Change	Information not provided.	

# Cost Information

### **Grand Total**

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$5,484,532.71	\$5,399,497.32	\$3,579,981.39

Reimbursem	entestatus	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. BRADY
DREASLER
DIRECTOR
OF
CORPORATE
ENGINEERING

05/08/2019

#### **Attachments**