



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **71112** | Service: **LPA** | Call **WTAS-LP** | Channel: **23 (UHF)**
ID: | Sign:
File **0000087190**
Number:
FRN: **0011224524** | Eligibility **Eligible** | Date **06/24**
Status: | Submitted: **/2021**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
WAUKESHA TOWER ASSOCIATES Applicant Doing Business As: WAUKESHA TOWER ASSOCIATES	136 E. WALKER STREET MILWAUKEE, WI 53204 United States	+1 (414) 672-1940	MARTY@R4DCOMWIRELESS.COM	Other

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
Tony zumMallen Anywave	705B SE Melody LN #314 Lee's Summit, MO 64063 United States	+1 (816) 729-1177	tony.zummallen@anywavecom.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.	No
Briefly describe transition plan	Replace the transmitter and antenna per the channel reassignment with reasonable and customary engineering and business practices.

Transmitters

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

**Primary
Transmitter**

Existing Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Primary (Main)
	Ownership	Owned
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter Manufacturer and Type	Manufacturer	
	Model	MX1000
	Year	2006
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	1000 W

Primary Transmitter

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Manufacturer	
	Model	TRN-U-2000-FA
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	2.2 kW
	Justification for New Transmitter	Per the channel reassignment - Replace the transmitter with reasonable and customary engineering and business practices.

Primary Transmitter

Other Transmitter Costs

Section	Question	Response
Other Transmitter Costs	Does the transmitter installation require a Transmitter Building Site Survey /Installation?	Yes
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	No

	Rigid Conduit and Wiring	No
	Other Electrical Service	No
HVAC Service	Does the replacement transmitter require HVAC Service?	No
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No

Primary Transmitter

Other Transmitter Cost Not Listed

Name	Description
Transmitter Taxes	Sales tax for new transmitter
Transmitter Shipping fee	Shipping costs of new transmitter
Transmitter Decommissioning	Decommissioning costs of old transmitter

Antennas

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

**Primary
Antenna**

Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Ownership	Owned
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	Yes
Existing Antenna Manufacturer and Type	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Broadband Panel
	Number of Stations Supported	1
	Number of Panels	12
	Design power capacity in use	100.0 %
	Lower Limit	470.00 MHz
	Upper Limit	860.00 MHz
	ERP: (Effective Radiated Power)	39.7 kW
	Manufacturer	
	Model	9555212
	Year	2006

**Primary
Antenna**

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Change Type	Purchase New
	Ownership	Owned
	Is antenna shared?	No
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	Yes
New Antenna Manufacturer and Types	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Broadband Panel
	Number of Stations Supported	1
	Number of Panels/Bays	6
	Lower Limit	470.00 MHz
	Upper Limit	860.00 MHz
	Design power capacity in use	100.0 %
	ERP: (Effective Radiated Power)	5.0 kW
	Manufacturer	
	Model	UTVC-01
	Year	2019

Justification for New Antenna	Replace the antenna per the channel reassignment using reasonable and customary engineering and business practices.
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Primary Antenna

Other Antenna Costs

Section	Question	Response
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Broadband
	Feed Line Size	1 5/8 inches inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	Yes
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes
Power Dividers	Does the panel antenna require power dividers?	Yes
	Number of Power Dividers	1
Cable Harness	Does the panel antenna require cable harness?	Yes
	Number of Cable Harnesses	1

**Primary
Antenna**

Other Antenna Cost Not Listed

Name	Description
Antenna Shipping and Handling	Shipping and Handling costs for new antenna
Antenna Sales Tax	Sales Tax for new antenna

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

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

Primary Tower	Existing Tower		
	Section	Question	Response
Existing Tower Description	Type of change		Modify Existing
	Tower Use		Primary (Main)
	Ownership		Leased
	Is this tower consider Complex?		No
	Is this tower currently shared with any other stations?		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		1054380
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)		42° 58' 05.0" N-
	Longitude (NAD83)		088° 11' 20.1" W-
	Overall Structure Height		488.84 feet
	Support Structure Height		488.84 feet
	Ground Elevation Above Mean Sea Level (AMSL)		1043.62 feet

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	Global Tower, LLC. through American Towers, LLC
Date Constructed	09/28/2006

Primary Tower

Tower Modification Costs

Section	Question	Response
Engineering Study	Please what type of engineering study is required, if any:	Tower mapping and report for structural engineer
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

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	200
	Explanation	Required to assist in the turnkey management of the channel relocation project in order so that the existing internal personnel can maintain and operate the station's daily operational requirements and plans.
Outside RF consulting Engineering Services	Perform engineering study for displacement application	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
	Prepare Form 601	Yes

Attorney and Other Outside Consulting Services	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
	Negotiation of Lease and other Matter for Shared Locations	Yes
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Form 399 assistance or other program management costs	Yes
RF Field Engineering Services	Comprehensive coverage verification via field study	Yes
	RF exposure measurements	No
	Additional Field Engineering Service	No

Outside Professional Services Costs **Other Professional Services Expenses Not Listed**

Name	Description
Engineering-General	General engineering services

Other Expenses

Section	Question	Response
AM Pattern Disturbance	Is an Impact Study needed?	No
	Is Remediation needed?	No
Permit and Filing Costs	FCC Construction Permit Major Change	Yes
	FCC Construction Permit Minor Change	Yes
	FCC License to Cover Application	Yes
	FCC Special Temporary Authority Application	Yes
Other Miscellaneous Expenses	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	Yes
	Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	Yes
	Does this relocation require Equipment Storage?	Yes
Point to Point Microwave (STL/ICR)	Frequency Coordination for Unidirection System	No
	Frequency Coordination for Bi-Direction System	No
	New Point to Point Microwave System	No

Other Expenses

Other Expenses Not Listed

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).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmitter TRN-U-2000-FA	\$109,900.00	\$120,700.00		\$81,300.00	
Transmitter Decommissioning	<i>\$6,000.00</i>	\$6,000.00	Estimated costs of harvesting and removal of old transmitter from site. Revised upon Site Survey.	N/A	N/A
Transmitter Shipping fee	<i>\$1,500.00</i>	\$1,500.00	Estimated shipping costs for transmitter. Actual cost to be determined.	\$1,500.00	N/A
Transmitter Taxes	<i>\$8,400.00</i>	\$8,400.00	Estimated taxes to be collected for transmitter. Actual costs to be determined.	N/A	N/A

Transmitter Building Site Survey /Installation	\$10,000.00	\$25,000.00	Estimated costs for site survey and transmitter installation. Revised upon Site Survey.	N/A	N/A
UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW	\$84,000.00	\$79,800.00	Cost determined by invoice	\$79,800.00	N/A
Sub-total	\$109,900.00	\$120,700.00	N/A	\$81,300.00	N/A
Total for all systems	\$330,393.90	\$353,695.90	N/A	\$112,438.90	N/A

Components

Actual Information	
Description	File Name
Transmitter Decommissioning	Information not provided.
Transmitter Shipping fee	Component Description: Cost of shipping Amount: \$1,500.00
Transmitter Taxes	Information not provided.
Transmitter Building Site Survey/Installation	Information not provided.
UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW	Component Description: Cost of transmitter Amount: \$79,800.00

Cost Information

Antennas

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Antenna UTVC-01	\$26,855.00	\$37,735.00		\$18,400.00	
Antenna Sales Tax	<i>\$2,200.00</i>	\$2,200.00	Estimated sales tax collected by vendors as part of the repack. Actual costs to be determined.	N/A	N/A
Antenna Shipping and Handling	<i>\$1,500.00</i>	\$1,500.00	Estimated costs for antenna shipping and handling. Actual costs to be determined.	\$1,500.00	N/A
Cable harness (each, for panel antenna system, if not included in antenna cost)	\$1,000.00	\$1,000.00	N/A	N/A	N/A
Power Dividers (each, for panel antenna system, if not included in antenna cost)	\$1,300.00	\$1,300.00	N/A	N/A	N/A

UHF Broadband panel antenna (per panel), horizontally-polarized	\$10,500.00	\$21,380.00	Per attached quote #0115584 from Micro Communications, Inc.	\$16,900.00	N/A
Sweep test of transmission line and antenna	\$5,730.00	\$5,730.00	N/A	N/A	N/A
Side Mount antenna brackets	\$4,625.00	\$4,625.00	N/A	N/A	N/A
Sub-total	\$26,855.00	\$37,735.00	N/A	\$18,400.00	N/A
Total for all systems	\$330,393.90	\$353,695.90	N/A	\$112,438.90	N/A

Components

Actual Information	
Description	File Name
Antenna Sales Tax	Information not provided.
Antenna Shipping and Handling	Component Description: Cost of shipping Amount: \$1,500.00
Cable harness (each, for panel antenna system, if not included in antenna cost)	Information not provided.
Power Dividers (each, for panel antenna system, if not included in antenna cost)	Information not provided.
UHF Broadband panel antenna (per panel), horizontally-polarized	Component Description: Cost of antenna Amount: \$16,900.00
Sweep test of transmission line and antenna	Information not provided.

Side Mount antenna brackets

Information not provided.

Cost Information **Transmission Line**
 Information not provided.

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 TOWER	\$77,190.00	\$77,190.00		\$0.00	
Tower Rigging Short Tower (less than 500')	\$56,190.00	\$56,190.00	N/A	N/A	N/A
Tower mapping and report for structural engineer	\$21,000.00	\$21,000.00	N/A	N/A	N/A
Sub-total	\$77,190.00	\$77,190.00	N/A	\$0.00	N/A
Total for all systems	\$330,393.90	\$353,695.90	N/A	\$112,438.90	N/A

Components

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	\$102,738.90	\$104,360.90		\$12,738.90	
Engineering-General	<i>\$1,600.00</i>	\$1,600.00	Cost determined by invoices	\$1,600.00	N/A
Comprehensive coverage verification via field study, if needed	\$52,600.00	\$43,732.00	Per-attached quote number 733-R for Coverage Verification	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$2,235.00	\$2,235.00	N/A	N/A	N/A
Attorney Fees - Negotiation of lease and other matters for shared locations	\$3,262.50	\$3,262.50	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$1,577.50	\$1,577.50	N/A	N/A	N/A
Prepare Form 601	\$755.00	\$755.00	N/A	N/A	N/A

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$3,025.00	\$3,025.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$2,102.50	\$2,102.50	N/A	N/A	N/A
Prepare request for Special Temporary Authorization	\$1,280.00	\$1,280.00	N/A	N/A	N/A
Perform engineering study for displacement application	\$1,800.00	\$1,800.00	N/A	N/A	N/A
Form 399 assistance or other Program Management costs	\$8,638.90	\$8,638.90	Cost determined by invoices.	\$8,638.90	N/A
Prepare/ Review 399 reimbursement form	\$1,710.00	\$2,500.00	Per attached QCommunications quote.	\$2,500.00	N/A

Project management of the transition	\$21,100.00	\$30,800.00	Required to assist in the turnkey management of the channel relocation project in order that the existing internal personal can maintain and operate the stations daily operational requirements and plans.	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,052.50	\$1,052.50	N/A	N/A	N/A
Sub-total	\$102,738.90	\$104,360.90	N/A	\$12,738.90	N/A
Total for all systems	\$330,393.90	\$353,695.90	N/A	\$112,438.90	N/A

Components

Actual Information	
Description	File Name
Engineering-General	<p>Component Description: Engineering services</p> <p>Amount: \$950.00</p> <p>Component Description: Engineering services</p> <p>Amount: \$650.00</p>
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 - 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.																
Prepare Form 601	Information not provided.																
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Information not provided.																
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Information not provided.																
Prepare request for Special Temporary Authorization	Information not provided.																
Perform engineering study for displacement application	Information not provided.																
Form 399 assistance or other Program Management costs	<table> <tr> <td>Component Description:</td> <td>Paperwork PM</td> </tr> <tr> <td>Amount:</td> <td>\$646.80</td> </tr> <tr> <td>Component Description:</td> <td>399 Assistance</td> </tr> <tr> <td>Amount:</td> <td>\$500.00</td> </tr> <tr> <td>Component Description:</td> <td>Form 399 Assistance</td> </tr> <tr> <td>Amount:</td> <td>\$415.80</td> </tr> <tr> <td>Component Description:</td> <td>PM Paperwork</td> </tr> <tr> <td>Amount:</td> <td>\$616.00</td> </tr> </table>	Component Description:	Paperwork PM	Amount:	\$646.80	Component Description:	399 Assistance	Amount:	\$500.00	Component Description:	Form 399 Assistance	Amount:	\$415.80	Component Description:	PM Paperwork	Amount:	\$616.00
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	<p>Component Description: Paperwork PM Amount: \$1,116.50</p> <p>Component Description: PM Paperwork Amount: \$2,756.60</p> <p>Component Description: Paperwork PM Amount: \$708.40</p> <p>Component Description: PM Paperwork Amount: \$169.40</p> <p>Component Description: 399 Project Management costs Amount: \$369.60</p> <p>Component Description: 399 Assistance and PM Costs Amount: \$400.40</p> <p>Component Description: Paperwork PM Amount: \$616.00</p> <p>Component Description: Paperwork PM Amount: \$323.40</p>
Prepare/ Review 399 reimbursement form	<p>Component Description: Form 399 submittal Amount: \$2,500.00</p>
Project management of the transition	Information not provided.
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.

Cost Information

Other Expenses

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$13,710.00	\$13,710.00		\$0.00	
Equipment Storage	<i>\$5,000.00</i>	\$5,000.00	Expecting multiple staggered equipment deliveries from different vendors and need to store and stage new equipment prior to installation date.	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$1,000.00</i>	\$1,000.00	4-6 yard disposal bin on site to capture all the waste from on site system integration and tower vendors.	N/A	N/A
Equipment Delivery and Handling Charges	<i>\$1,000.00</i>	\$1,000.00	Transport, forklift rental and handling fees from staging area to transmitter site.	N/A	N/A

FCC Filing Fees - Special Temporary Authorization request	\$305.00	\$305.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 Major change CP application	\$4,960.00	\$4,960.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 minor change CP application	\$1,110.00	\$1,110.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$335.00	N/A	N/A	N/A
Sub-total	\$13,710.00	\$13,710.00	N/A	\$0.00	N/A
Total for all systems	\$330,393.90	\$353,695.90	N/A	\$112,438.90	N/A

Components

Information not provided.

Cost Information **Grand Total**

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$330,393.90	\$353,695.90	\$112,438.90

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
	<p>Submission of Estimated Expenses Statements</p>	<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"> 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.

<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>Martin Franke <i>Partner</i></p> <p>06/24/2021</p>

Attachments