

(REFERENCE COPY - Not for submission)
Direct Measurement of Power Application (302-AM)

File Number: 0000225729 | Submit Date: 11/13/2023 | Lead Call Sign: WCTS | FRN: 0009498445
Service: Full Power AM | Purpose: Direct Measurement of Power | Status: Granted | Status Date: 01/30/2024 |
Filing Status: Inactive

General Information

Section	Question	Response
Attachments	Are attachments (other than associated schedules) being filed with this application?	Yes

Fees, Waivers, and Exemptions

Section	Question	Response
Fees	Is the applicant exempt from FCC application Fees?	Yes
	Indicate reason for fee exemption:	NCE
	Is the applicant exempt from FCC regulatory Fees?	Yes
Waivers	Does this filing request a waiver of the Commission's rule (s)?	No
	Total number of rule sections involved in this waiver request:	

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
Central Baptist Theological Seminary Of Minneapolis Doing Business As: Central Baptist Theological Seminary Of Minneapolis	Steve Davis 900 Forestview Lane North Plymouth, MN 55441 United States	+1 (763) 417-8270	sdavis@wctsradio.com	Company

Contact Representatives (3)

Contact Name	Address	Phone	Email	Contact Type
Stephen W. Davis General Manager WCTS Radio	Stephen W. Davis 900 Forestview Lane North Plymouth, MN 55441 United States	+1 (763) 417-8270	sdavis@wctsradio.com	Legal Representative
Bejamin F Dawson , III . Consulting Engineer Hatfield & Dawson Consulting Engineers	9500 Greenwood Ave N Seattle, WA 98103-3012 United States	+1 (206) 783-9151	dawson@hatdaw.com	Technical Representative
Gregg P Skall , Esq. . Legal Counsel Telecommunications Law Professionals PLLC	Gregg P Skall 1025 Connecticut Ave, NW Suite 1011 Washington, DC 20036 United States	+1 (202) 789-3121	gskall@tlp.law	Legal Representative

Legal
Certifications

Section	Question	Response
Character Issues	Applicant certifies that neither applicant nor any party to the application has or had any interest in, or connection with: (a) any broadcast application in any proceeding where character issues were left in unresolved or were resolved adversely against the applicant or party to the application; or (b) any pending broadcast application in which character issues have been raised.	Yes
Adverse Findings	Applicant certifies that, with respect to the applicant and any party to the application, and any non-party equity owner in the applicant, no adverse finding has been made, nor has an adverse final action been taken by any court or administrative body in a civil or criminal proceeding brought under the provisions of any law related to the following: any felony; mass media-related antitrust or unfair competition; fraudulent statements to another governmental unit; or discrimination.	Yes

Frequency and
Facility
Information

Section	Question	Response
Filing Type of License	filing type	Direct Measurement Of Power
Proposed Community of License	State	Minnesota
	City	Maplewood
Facility Information	Frequency	1030
	Service Type	Main
	Facility Type	Non-commercial
	Class	B
Modes/Hour of Operation	Modes/Hour of Operation	Daytime, NightTime

Antenna
Summary Data

Directional Antenna Data - Daytime		
Section	Question	Response
Parameters	Nominal Power	50.000
	Antenna Input Power	52.650
	RF common point or antenna current without modulation	32.450
	Measured antenna or common point resistance at operating frequency	50

	Latitude	44° 52` 0.9N						
	Longitude	92° 54` 2.8W						
	Excitation	Series						
	Antenna Monitor Manufacturer	POTOMAC INSTRUMENTS AM-19(204) S/N 1967						
	Antenna Monitor Type	AM-19(204)						
Towers								
	Tower	Field Ratio	Phase (deg.)	ASRN	Overall Ht. (m)	AGL w/o light(m)	AGL w light(m)	Tower Type
	3	1.000	0	1025273	72.8	73.4	74.3	Neither
	4	0.827	-113.5	1025272	72.8	73.4	74.2	Neither
Tower Description	Attach as an exhibit, a description of the towers (uniform cross section, guyed, top-loaded, or such) with details, dimensions and information regarding any other antennas mounted on the tower.							
Ground System Description	Attach as an exhibit, a complete description of the ground system.							
Antenna or Common Point Resistance	Attach as an exhibit, reasons for any change in antenna or common point resistance, if applicable.							
Antenna Performance	Proof of Performance							
	Ground System Description		Attach as an exhibit, an engineering statement describing the techniques and software used in the moment method model. Include a complete description of the sampling system and related measurements. If base sampling is specified, an exhibit of the circuit model must be provided. A tower survey certification must also be included unless the station is exempt per Section 73.151(c)(1)(ix). The station must meet all the requirements specified in Section 73.151.					
	Description of Sampling System							
	Sampling System Certification							

Directional Antenna Data - Nighttime

Section	Question	Response
Parameters	Nominal Power	4.000
	Antenna Input Power	5.088
	RF common point or antenna current without modulation	10.09
	Measured antenna or common point resistance at operating frequency	50
	Latitude	44° 52` 0.9N
	Longitude	92° 54` 2.8W
	Excitation	Series
	Antenna Monitor Manufacturer	POTOMAC INSTRUMENTS AM-19(204) S/N 1967
	Antenna Monitor Type	AM-19(204)

Towers	<table><tr><th>Tower</th><th>Field Ratio</th><th>Phase (deg.)</th><th>ASRN</th><th>Overall Ht. (m)</th><th>AGL w/o light(m)</th><th>AGL w light(m)</th><th>Tower Type</th></tr><tr><td>1</td><td>0.233</td><td>-59.8</td><td>1025275</td><td>72.8</td><td>73.3</td><td>74.2</td><td>Neither</td></tr><tr><td>2</td><td>0.723</td><td>+153.7</td><td>1025274</td><td>72.8</td><td>73.3</td><td>74.2</td><td>Neither</td></tr><tr><td>3</td><td>1.0</td><td>0</td><td>1025273</td><td>72.8</td><td>73.3</td><td>74.3</td><td>Neither</td></tr><tr><td>4</td><td>0.735</td><td>-162.9</td><td>1025272</td><td>72.8</td><td>73.3</td><td>74.2</td><td>Neither</td></tr><tr><td>5</td><td>0.284</td><td>+30.5</td><td>1025271</td><td>72.8</td><td>73.3</td><td>74.2</td><td>Neither</td></tr><tr><td colspan="8"></td></tr></table>								Tower	Field Ratio	Phase (deg.)	ASRN	Overall Ht. (m)	AGL w/o light(m)	AGL w light(m)	Tower Type	1	0.233	-59.8	1025275	72.8	73.3	74.2	Neither	2	0.723	+153.7	1025274	72.8	73.3	74.2	Neither	3	1.0	0	1025273	72.8	73.3	74.3	Neither	4	0.735	-162.9	1025272	72.8	73.3	74.2	Neither	5	0.284	+30.5	1025271	72.8	73.3	74.2	Neither								
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License
Certifications

Section	Question	Response
Correcting Coordinates	Is this application being filed to correct coordinates as authorized by 47 CFR Section 73.1690(c)(11)?	No
Change in License Status	Is this application being filed to authorize a change in license status from commercial to non-commercial or from non-commercial to commercial, pursuant to 47 CFR Section 73.1690(c)(9)?	No

Certification

Section	Question	Response
General Certification Statements	The Applicant waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by authorization or otherwise, and requests an Authorization in accordance with this application (See Section 304 of the Communications Act of 1934, as amended.).	

	<p>The Applicant certifies that neither the Applicant nor any other party to the application is subject to a denial of Federal benefits pursuant to §5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. § 862, because of a conviction for possession or distribution of a controlled substance. This certification does not apply to applications filed in services exempted under §1.2002(c) of the rules, 47 CFR . See §1.2002(b) of the rules, 47 CFR § 1.2002(b), for the definition of "party to the application" as used in this certification § 1.2002(c). The Applicant certifies that all statements made in this application and in the exhibits, attachments, or documents incorporated by reference are material, are part of this application, and are true, complete, correct, and made in good faith.</p>	
Authorized Party to Sign	<p>FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID</p> <p>Upon grant of this application, the Authorization Holder may be subject to certain construction or coverage requirements. Failure to meet the construction or coverage requirements will result in automatic cancellation of the Authorization. Consult appropriate FCC regulations to determine the construction or coverage requirements that apply to the type of Authorization requested in this application.</p> <p>WILLFUL FALSE STATEMENTS MADE ON THIS FORM OR ANY ATTACHMENTS ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. Code, Title 18, §1001) AND/OR REVOCATION OF ANY STATION AUTHORIZATION (U.S. Code, Title 47, §312(a)(1)), AND /OR FORFEITURE (U.S. Code, Title 47, §503).</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>Stephen W. Davis <i>General Manager</i></p> <p>11/13/2023</p>

Attachments

File Name	Uploaded By	Attachment Type	Description	Upload Status
<u>ENGINEERING STATEMENT forWCTS 302-AM-2.pdf</u>	Applicant	All Purpose	WCTS Engineering Statement	Done with Virus Scan and/or Conversion