

# Federal Communications Commission

**FCC MB - CDBS Electronic Filing**  
**Account number: 975519**

**Description: 220 CHARLESTON, WV, WXAF MINOR CHANGE J011911 010411-1247**

**Application Reference Number: 20110119AAN**  
**Successfully filed at Jan 19 2011 3:56PM**

**Based on the information supplied, no fee is required.**

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portions of the pending application that are being revised.

**NOTE: The failure to include an explanatory providing full particulars in connection with a "No" response may result in dismissal of the application. See Instructions, paragraph L for additional information regarding completion of explanatory exhibits.**

**SECTION II - Legal and Financial**

1.	<p><b>Certification.</b> Applicant certifies that it has answered each question in this application based on its review of the application instructions and worksheets. Applicant further certifies that where it has made an affirmative certification below, this certification constitutes its representation that the application satisfies each of the pertinent standards and criteria set forth in the application instructions and worksheets.</p>	<input checked="" type="radio"/> Yes <input type="radio"/> No
2.	<p><b>Eligibility.</b> Each application must answer "Yes" to one and "No" to two of the three following certifications. An applicant should not submit an explanatory exhibit in connection with these Question 2 "No" responses.</p> <p>The applicant certifies that it is:</p> <p>a. a nonprofit educational institution; or</p> <p>b. a governmental entity other than a school; or</p> <p>c. a nonprofit educational organization, other than described in a. or b.</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p> <p><input type="radio"/> Yes <input type="radio"/> No</p> <p><input type="radio"/> Yes <input type="radio"/> No</p>
3.	<p>For applicants checking "Yes" to question 2(c) and applying for a new noncommercial educational television station only, the applicant certifies that the applicant's officers, directors and members of its governing board are broadly representative of the educational, cultural, and civic segments of the principal community to be served.</p>	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A
4.	<p>a. The applicant certifies that the Commission has previously granted a broadcast application identified here by file number that found this applicant qualified as a noncommercial educational entity with a qualifying educational program, and that the applicant will use the proposed station to advance a program similar to that the Commission has found qualifying in applicant's previous application.</p> <p>b. Applicants who answered "No" to Question 4(a), must include an exhibit that describes the applicant's educational objective and how the proposed station will be used to advance an educational program that will further that objective according to 47 C.F.R. Section 73.503 (for radio applicants) and 47 C.F.R. Section 73.621 (for television applicants).</p>	<input type="radio"/> Yes <input type="radio"/> No FCC FileNumber - [Exhibit 2]
5.	<p>The applicant certifies that its governing documents (e.g., articles of incorporation, by-laws, charter, enabling statute, and/or other pertinent organizational document) permit the applicant to advance an educational program and that there is no provision in any of those documents that would restrict the applicant from advancing an educational program or complying with any Commission rule, policy, or provision of the Communications Act of 1934, as amended.</p>	<input type="radio"/> Yes <input type="radio"/> No
6.	<p>a. <b>Parties to the Application.</b> List separately each party to the application including, as applicable, the applicant, its officers, directors, five percent or greater stockholders, non-insulated partners, members, and all other persons and entities with attributable interests. If another entity hold an attributable interest in the applicant, list separately, as applicable, its officers, directors, five percent or greater stockholders, non-insulated partners, and board members. Create a separate row for each individual or entity. Attach additional pages if necessary.</p> <p>[Enter Parties/Owners Information]</p> <hr style="width: 60%; margin-left: 0;"/>	

	<p>b. Applicant certifies that equity and financial interests not set forth above are non-attributable pursuant to 47 C.F.R. Section 73.3555 and that there are no agreements or understandings with any non-party that would give influence over the applicant's programming, personnel, or finances to that non-party.</p>	<p><input type="radio"/> Yes <input type="radio"/> No [Exhibit 3]</p>
7.	<p><b>Other Authorizations.</b> List call signs, locations, and facility identifiers of all other broadcast stations in which applicant or any party to the application has an attributable interest pursuant to the notes to 47 C.F.R. Section 73.3555.</p>	<p><input type="checkbox"/> N/A [Exhibit 4]</p>
8.	<p><b>Character Issues.</b> Applicant certifies that neither applicant nor any party to the application has or has had any interest in or connection with:</p> <p>a. any broadcast application in any proceeding where character issues were left unresolved or were resolved adversely against the applicant or party to the application; or</p> <p>b. any pending broadcast application in which character issues have been raised.</p>	<p><input type="radio"/> Yes <input type="radio"/> No See Explanation in [Exhibit 5]</p>
9.	<p><b>Adverse Findings.</b> Applicant certifies that, with respect to the applicant, 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 any of the following: any felony; mass media-related antitrust or unfair competition; fraudulent statements to another government unit; or discrimination.</p> <p>If the answer is "No," attach as an Exhibit a full disclosure concerning the persons and matters involved, including an identification of the the court or administrative body and the proceeding (by dates and file numbers), and a description of the disposition of the matter. Where the requisite information has been earlier disclosed in connection with another application or as required by 47 C.F.R. Section 1.65, the applicant need only provide: (i) an identification of that previous submission by reference to the file number in the case of an application, the call letters of the station regarding which the application or Section 1.65 information was filed, and the date of filing; and (ii) the disposition of the previously reported matter.</p>	<p><input type="radio"/> Yes <input type="radio"/> No See Explanation in [Exhibit 6]</p>
10.	<p><b>Alien Ownership and Control.</b> Applicant certifies that it complies with the provisions of Section 310 of the Communications Act of 1934, as amended, relating to interests of aliens and foreign governments.</p>	<p><input type="radio"/> Yes <input type="radio"/> No See Explanation in [Exhibit 7]</p>
11.	<p><b>Program Service Certification.</b> Applicant certifies that it is cognizant of and will comply with its obligations as a commission licensee to present a program service responsive to the issues of public concern facing the station's community of license and service area.</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p>
12.	<p><b>Local Public Notice.</b> Applicant certifies compliance with the public notice requirements of 47 C.F.R. Section 73.3580.</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p>
13.	<p><b>Anti-Drug Abuse Act Certification.</b> Applicant certifies that neither applicant nor any party to the application is subject to denial of federal benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. Section 862.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p>
14.	<p><b>Equal Employment Opportunity (EEO).</b> If the applicant proposes to employ five or more full-time employees, applicant certifies that it is filing simultaneously with this application a Model EEO Program Report on FCC Form 396-A.</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A</p>
<p><b>QUESTIONS 15, 16 AND 17 APPLY ONLY TO APPLICANTS FOR NEW STATIONS. OTHER APPLICANTS CAN PROCEED TO QUESTION 18.</b></p>		
15.	<p><b>Financial.</b> The applicant certifies that sufficient net liquid assets are on hand or that sufficient funds are available from committed sources to construct and operate the requested facilities for three months without revenue.</p> <p>If "No" to 15., answer question 16. and 17.</p>	<p><input type="radio"/> Yes <input type="radio"/> No See Explanation in [Exhibit 8]</p>
16.	<p>Is this application contingent upon receipt of a grant from the National Telecommunications</p>	

	and Information Administration?	<input type="radio"/> Yes <input type="radio"/> No
17.	Is this application contingent upon receipt of a grant from a charitable organization, the approval of the budget of a school or university, or an appropriation from a state, county, municipality or other political subdivision?	<input type="radio"/> Yes <input type="radio"/> No
<p>NOTE: If Yes to 16. or 17., the application cannot be granted unconditionally until all of the necessary funds are committed or appropriated. In the case of grants from the National Telecommunications and Information Administration, no further action on the applicant's part is required. If the applicant relies on funds from a source specified in Question 17., <b>the applicant must advise the Commission when the funds are committed or appropriated.</b> This should be accomplished by letter amendment to the application. Applicants should take note that the Commission's construction period is not considered "tolled" by funding difficulties and that any permit granted conditionally on funding will expire if the station is not constructed for any reason, including lack of funding.</p>		
<p><b>QUESTIONS 18 AND 19 DO NOT APPLY TO APPLICATIONS FOR NEW STATIONS. APPLICANTS FOR NEW FM STATIONS CAN PROCEED TO SECTION III. APPLICANTS FOR NEW TV STATIONS CAN PROCEED TO SECTION IV.</b></p>		
<p><b>Holding Period.</b></p>		
18.	<p>Applicant certifies that this application does not propose a modification to an authorization that was awarded on the basis of a preference for fair distribution of service pursuant to 47 U.S.C. Section 307(b).</p> <p>If "No," answer a. and b. below. If applicant answers "No" to 18. above and cannot answer "Yes" to either a. or b. below, the application is unacceptable.</p> <p>a. Applicant certifies that the proposed modification will not downgrade service to the area on which the Section 307(b) preference was based.</p> <p>b. Applicant certifies that although it proposes to downgrade service to the area on which the Section 307(b) preference was based, applicant has provided full service to that area for a period of four years of on-air operations.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><input type="radio"/> Yes <input type="radio"/> No</p> <p><input type="radio"/> Yes <input type="radio"/> No</p>
19.	<p>Applicant certifies that this application does not propose a modification to an authorized station that received a credit for superior technical parameters under the point system selection method in 47 C.F.R. Section 73.7003.</p> <p>If "No," applicant must be able to answer "Yes" to a. below or provide an exhibit that makes a compelling showing that the downgrade would be in the public interest.</p> <p>a. Applicant certifies that the population and area within the proposed service contour (60 dBu (FM) or grade B (TV)) are greater than or equivalent to those authorized.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><input type="radio"/> Yes <input type="radio"/> No [Exhibit 9]</p>

**Section III**

**Fair Distribution of Service Pursuant to 47 U.S.C. Section 307(b) (New and Major Changes to FM Radio Only)** (Other applicants can proceed to Section IV).

1.	Applicant certifies that it provides a first aural (reception) service. Applicants answering "Yes" must provide an Exhibit.	<input type="radio"/> Yes <input type="radio"/> No [Exhibit 10]
2.	Applicant certifies that (1) it is a Tribal Applicant, as defined in 47 C.F.R. Section 73.7000; (2) the facilities proposed in this Application will provide Tribal Coverage, as defined in 47 C.F.R. Section 73.7000, of Tribal Lands occupied by the applicant Tribe(s); (3) the proposed community of license is located on Tribal Lands, as defined in 47 C.F.R. Section 73.7000; and (4) the proposed facility would be the first local tribal-owned noncommercial educational transmission service at the proposed community of license. Applicants answering "Yes" must provide an Exhibit.	<input type="radio"/> Yes <input type="radio"/> No [Exhibit 11]
3.	Applicant certifies that the proposed station will provide a first noncommercial educational aural service to (a) at least 10 percent of the people residing within the station's 60 dBu (1 mV/m) service contour and (b) to a minimum of 2,000 people. Applicants answering "Yes" must	<input type="radio"/> Yes <input type="radio"/> No [Exhibit 12]

	provide an Exhibit.	
4.	Applicant certifies that the proposed station will provide a second noncommercial educational aural service, or an aggregated first and second noncommercial educational aural service, to (a) at least 10 percent of the people residing within the station's 60 dBu (1 mV/m) service contour and (b) to a minimum of 2,000 people. Applicants answering "Yes" must provide an Exhibit.	<input type="radio"/> Yes <input type="radio"/> No [Exhibit 13]

**Section IV Point System Factors - New and Major Change Applications Only** (used to select among mutually exclusive radio and television applications for new stations and major modifications) **NOTE:** Applicants will not receive any additional points for amendments made after the close of the application filing window.

1.	<b>Established Local Applicant:</b> Applicant certifies that for at least the 24 months immediately prior to application, and continuing through the present, it qualifies as a local applicant pursuant to 47 C.F.R. Section 73.7000, that its governing documents require that such localism be maintained, and that it has placed documentation of its qualifications as an established local applicant in a local public inspection file and has submitted to the Commission copies of the documentation.	<input type="radio"/> Yes <input type="radio"/> No
2.	<b>Diversity of Ownership:</b> (a) Applicant certifies that the principal community (city grade) contour of the proposed station does not overlap the principal community contour of any other authorized station (comparing radio and television to television, including non-fill-in translator stations other than those identified in 2(b) below) in which any party to the application has an attributable interest as defined in 47 C.F.R. Section 73.3555, that its governing documents require that such diversity be maintained, and that it has placed documentation of its diversity qualification in a local public inspection file and has submitted to the Commission copies of the documentation.	<input type="radio"/> Yes <input type="radio"/> No
	(b) Is the application's certification to 2(a) based on its exclusion of translator station(s) that will be replaced with a full service station pursuant to the authorization requested here?  If Yes, applicant must include an exhibit identifying the translator station authorization for which it will request cancellation upon commencement of operation of the proposed full service station (i.e., upon its filing of a license application and receipt of program test authority).	<input type="radio"/> Yes <input type="radio"/> No  [Exhibit 14]
3.	<b>State-wide Network:</b> Applicant certifies that (a) it has NOT claimed a credit for diversity of ownership above; (b) it is one of the three specific types of organizations described in 47 C.F.R. Section 73.7003(b)(3); and (c) it has placed documentation of its qualifications in a local public inspection file and has submitted to the Commission copies of the documentation.	<input type="radio"/> Yes <input type="radio"/> No
4.	<b>Technical Parameters:</b> Applicant certifies that the numbers in the boxes below accurately reflect the new area and population that its proposal would serve with a 60 dBu (FM) or Grade B (TV) signal measured in accordance with the standard predicted contours in 47 C.F.R. Section 73.713(c) (FM) and 73.683(TV) and that it has documented the basis for its calculations in the local public inspection file and has submitted copies to the Commission. Major modification applicants should include the area of proposed increase only (exclude any area already within the station's existing service area). (Points, if any, will be determined by FCC)	<input type="radio"/> Yes <input type="radio"/> No
	New area served in square kilometers (excluding areas of water):	
	Population served based on the most recent census block data from the United States Bureau of Census using the centroid method:	

**SECTION V - Tie Breakers - New and Major Change Applications Only** (used to choose among competing radio and television applications receiving the same number of points in Section IV)

1.	<b>Existing Authorizations.</b> By placing a number in the box, the applicant certifies that it and other parties to the application have, as of the date of filing and pursuant to 47 C.F.R. Section 73.3555, attributable interests in the stated number of relevant broadcast station authorizations. Radio applicants should count all attributable full service radio stations, AM and FM, commercial and noncommercial, and FM translator stations other than fill-in stations or those identified in IV (2)(b) above. TV applicants should count all attributable full service TV stations, commercial and noncommercial and TV translator stations other than fill-in stations or those identified in IV(2)(b) above. (number of commercial and non-commercial licenses and construction permits)
2.	<b>Pending Applications.</b> By placing a number in the box, the applicant certifies that it and other parties to the application have, as of the date of filing and pursuant to 47 C.F.R. Section 73.3555, attributable interests in the stated number of pending applications for new or major changes to relevant broadcast stations. Radio applicants should count all

attributable full service radio stations, AM and FM, commercial and noncommercial, and FM translator stations other than fill-in stations or those identified in IV(2)(b) above. TV applicants should count all attributable full service TV stations, commercial and noncommercial, and TV translator stations other than fill-in stations or those identified in IV(2)(b) above.  
(number of pending commercial and non-commercial applications)

**Section VI -- Certification**

I certify that the statements in this application are true, complete, and correct to the best of my knowledge and belief, and are made in good faith. I acknowledge that all certifications and attached Exhibits are considered material representations. I hereby waive any claim to the use of any particular frequency as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and request an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.)

Typed or Printed Name of Person Signing JIM JENKINS	Typed or Printed Title of Person Signing PRESIDENT
Signature	Date 1/19/2011

**Section VII Preparer's Certification**

I certify that I have prepared Section VII (Engineering Data) on behalf of the applicant, and that after such preparation, I have examined and found it to be accurate and true to the best of my knowledge and belief.

Name JOHN BURRELL	Relationship to Applicant (e.g., Consulting Engineer) TECHNICAL CONSULTANT	
Signature	Date 1/19/2011	
Mailing Address STERLING COMMUNICATIONS, INC. 219 DODD RD		
City RINGGOLD	State or Country (if foreign address) GA	Zip Code 30736-2958
Telephone Number (include area code) 7069652355	E-Mail Address (if available) STERLING@CATT.COM	

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).

**Section VII - FM Engineering**

**TECHNICAL SPECIFICATIONS**

Ensure that the specifications below are accurate. Contradicting data found elsewhere in this application will be disregarded. All items must be completed. The response "on file" is not acceptable.

**TECH BOX**

1.	Channel Number: 215
2.	Class (select one): <input type="radio"/> D <input type="radio"/> A <input checked="" type="radio"/> B1 <input type="radio"/> B <input type="radio"/> C3 <input type="radio"/> C2 <input type="radio"/> C1 <input type="radio"/> C0 <input type="radio"/> C
3.	Antenna Location Coordinates: (NAD 27) Latitude: Degrees 38 Minutes 16 Seconds 25 <input checked="" type="radio"/> North <input type="radio"/> South  Longitude:

Degrees 81 Minutes 31 Seconds 27  West  East

4. Proposed Assignment Coordinates: (NAD 27) - RESERVED CHANNELS ABOVE 220 ONLY  Not Applicable  
 Latitude:  
 Degrees Minutes Seconds  North  South  
 Longitude:  
 Degrees Minutes Seconds  West  East

5. Antenna Structure Registration Number: 1054162  
 Not Applicable  Notification filed with FAA

6. Overall Tower Height Above Ground Level: 83 meters

7. Height of Radiation Center Above Mean Sea Level: 509 meters(H) 509 meters(V)

8. Height of Radiation Center Above Ground Level: 58 meters(H) 58 meters(V)

9. Height of Radiation Center Above Average Terrain: 190 meters(H) 190 meters(V)

10. Effective Radiated Power: 4 kW(H) 4 kW(V)

11. Maximum Effective Radiated Power:  Not Applicable kW(H) kW(V)  
 (Beam-Tilt Antenna ONLY)

12. Directional Antenna Relative Field Values:  Not applicable (Nondirectional)  
 Rotation (Degrees):  No Rotation

Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value
0	0.437	10	0.501	20	0.63	30	0.792	40	0.937	50	1
60	1	70	1	80	1	90	1	100	1	110	1
120	1	130	1	140	1	150	0.89	160	0.868	170	0.886
180	0.835	190	0.666	200	0.549	210	0.466	220	0.457	230	0.563
240	0.704	250	0.813	260	0.787	270	0.681	280	0.652	290	0.67
300	0.648	310	0.583	320	0.464	330	0.459	340	0.446	350	0.448

Additional Azimuths

Relative Field Polar Plot

**NOTE: In addition to the information called for in this section, an explanatory exhibit providing full particulars must be submitted for each question for which a "No" response is provided.**

**CERTIFICATION**

**AUXILIARY ANTENNA APPLICANTS ARE NOT REQUIRED TO RESPOND TO ITEMS 13-17. PROCEED TO ITEM 18.**

13. **Main Studio Location.** The proposed main studio location complies with 47 C.F.R. Section 73.1125.  Yes  No  
 See Explanation in [Exhibit 15]

14. **Community Coverage.** The proposed facility complies with 47 C.F.R. Section 73.315. (Channels 221 and above) or 47 C.F.R. Section 73.515 (Channels 220 and below).  Yes  No  
 See Explanation in [Exhibit 16]

15. **Interference.** The proposed facility complies with all of the following applicable rule sections. Check all that apply:  Yes  No  
 See Explanation in [Exhibit 17]

	<p><b>Contour Overlap Requirements.</b></p> <p>a. <input checked="" type="checkbox"/> 47 C.F.R. Section 73.509  <b>Exhibit Required.</b></p>	<p>[Exhibit 18]</p>
	<p><b>Spacing Requirements.</b></p> <p>b. <input type="checkbox"/> 47 C.F.R. Section 73.207 with respect to station(s)</p>	
	<p><b>Grandfathered Short-Spaced.</b></p> <p>c. <input type="checkbox"/> 47 C.F.R. Section 73.213(a) with respect to station(s)  <b>Exhibit Required.</b></p>	<p>[Exhibit 19]</p>
	<p><b>Contour Protection.</b></p> <p>d. <input type="checkbox"/> 47 C.F.R. Section 73.215(a) with respect to station(s)  <b>Exhibit Required.</b></p>	<p>[Exhibit 20]</p>
	<p><b>Television Channel 6 Protection.</b></p> <p>e. <input checked="" type="checkbox"/> 47 C.F.R. Section 73.525 with respect to station(s)  <b>Exhibit Required.</b></p>	<p>[Exhibit 21]</p>
16.	<p><b>Reserved Channels Above 220.</b></p> <p>a. <b>Availability of Channels.</b> The proposed facility complies with the assignment requirements of 47 C.F.R. Section 73.203.</p>	<p><input type="radio"/> Yes <input type="radio"/> No                  See Explanation in                  [Exhibit 22]</p>
17.	<p><b>International Borders.</b> The proposed antenna location is not within 320 kilometers of the common border between the United States and Canada or Mexico.</p> <p>If "No," specify the country and provide an exhibit of compliance with all provisions of the relevant International Agreement.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No  <input type="radio"/> Canada  <input type="radio"/> Mexico                  [Exhibit 23]</p>
18.	<p><b>Environmental Protection Act.</b> The proposed facility is excluded from environmental processing under 47. C.F.R. Section 1.1306 (i.e., The facility will not have a significant environmental impact and complies with the maximum permissible radiofrequency electromagnetic exposure limits for controlled and uncontrolled environments). Unless the applicant can determine compliance through the use of the RF worksheets in Worksheet #7, an <b>Exhibit is required.</b></p> <p>By checking "Yes" above, the applicant also certifies that it, in coordination with other users of the site, will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic exposure in excess of FCC guidelines.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No                  See Explanation in                  [Exhibit 24]</p>
19.	<p><b>Community of License Change - Section 307(b).</b> If the application is being submitted to change the facility's community of license, then the applicant certifies that it has attached an exhibit containing information demonstrating that the proposed community of license change comports with the fair distribution of service policies underlying Section 307(b) of the Communications Act of 1934, as amended (47 U.S.C. Section 307(b)).</p> <p><b>An exhibit is required</b> unless this question is not applicable.</p>	<p><input type="radio"/> Yes <input type="radio"/> No  <input checked="" type="radio"/> N/A                  [Exhibit 25]</p>
<p><b>PREPARER'S CERTIFICATION ON PAGE 8 MUST BE COMPLETED AND SIGNED.</b></p>		

**Exhibits**

**Exhibit 18**  
**Description:** EXHIBIT 18

**Attachment 18**

Description
<a href="#">Exhibit 18</a>

**Exhibit 21**

Description: EXHIBIT 21

**Attachment 21**

Description
<a href="#">Exhibit 21</a>

**Exhibit 24**

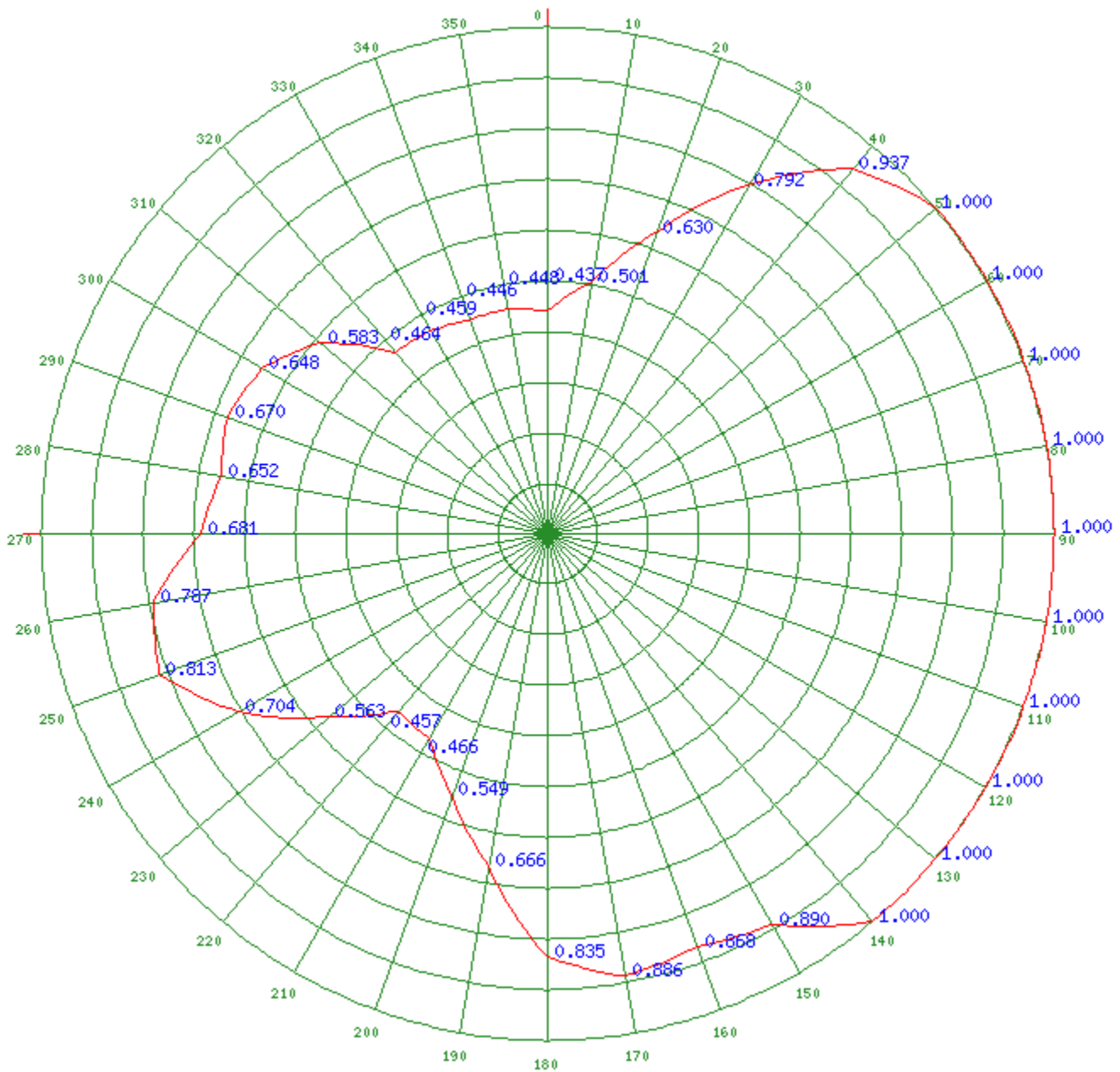
Description: EXHIBIT 24

**Attachment 24**

Description
<a href="#">Exhibit 24</a>

Any specified rotation has already been applied to the plotted pattern.  
 Field strength values shown on a rotated pattern may differ from the listed values  
 because intermediate azimuths are interpolated between entered azimuths.

Close Window



[FM Query](#) [FCC](#) [TV Query](#)

**Exhibit 18 Page 1**  
**Shofar Broadcasting Corporation**  
**Identification of Facilities**  
**Charleston, West Virginia**

CALL FORMAT LATITUDE	ST	CITY ARN LONGITUDE	FREQ OWNER HAAT:m AMSL:m	CHN	CL	ERP	STAT
Proposed Unknown or New CP 38-16-25.0	N	81-31-27.0 W	190.000 509.000	90.90000	B1	4000.00	APP
WXAF Unknown or New CP 38-16-25.0	WV	CHARLESTON BLED19930730KD	164.743 509.000	90.90000	A	800.00	LIC SHOFAR BROADCASTING CORPORATION
WLKV Unknown or New CP 38-51-44.0	WV	RIPLEY BPED20070406AFH	64.766 334.000	90.70000	B	26500.00	CP EDUCATIONAL MEDIA FOUNDATION
WPIB Unknown or New CP 37-15-26.0	WV	BLUEFIELD BLED20020717AAA	258.888 1146.000	91.10000	C1	12000.00	LIC POSITIVE ALTERNATIVE RADIO, INC.
WKAO Unknown or New CP 38-25-11.0	KY	ASHLAND BLED20100521ADU	75.607 317.000	91.10000	B1	7000.00	LIC POSITIVE ALTERNATIVE RADIO, INC.
WLKV Unknown or New CP 38-51-44.0	WV	RIPLEY BLED19940411KC	8.884 334.000	90.70000	A	3000.00	LIC EDUCATIONAL MEDIA FOUNDATION
WVRI Unknown or New CP 37-54-02.0	VA	CLIFTON FORGE BMPED20100601AGR	514.529 1179.000	90.90000	B	1000.00	CP MOD LIBERTY UNIVERSITY, INC.
WTJM Unknown or New CP 39-00-47.4	OH	SOUTH WEBSTER BNPED20071012AXP	84.824 356.000	90.90000	B1	5000.00	CP ST GABRIEL RADIO, INC
WEKH Unknown or New CP 37-11-35.0	KY	HAZARD BLED20011206AAK	272.050 725.000	90.90000	C1	31000.00	LIC EASTERN KENTUCKY UNIVERSITY
WPJW Unknown or New CP 38-26-41.0	WV	HURRICANE BLED20090410AAI	61.272 324.000	91.50000	A	3000.00	LIC POSITIVE ALTERNATIVE RADIO, INC.
WMLJ Unknown or New CP 38-06-42.0	WV	SUMMERSVILLE BLED20040830ACA	243.657 1269.000	90.50000	B	11000.00	LIC GRACE MISSIONARY BAPTIST CHURCH

**Exhibit 18 Page 2**  
**Shofar Broadcasting Corporation**  
**Identification of Facilities**  
**Charleston, West Virginia**

WFGH	WV	FORT GAY	90.70000	B1	7800.00	LIC
Unknown or	New	CP BLED1458	WAYNE COUNTY BOARD OF EDUCATION			
38-07-58.0	N	82-35-37.0	W 35.754	303.000		
NEW	OH	MARIETTA	90.90000	A	4000.00	CP
Unknown or	New	CP BNPED20071022AGD	COMMUNITY RADIO FOUNDATION OF FLORIDA, INC.			
39-36-00.4	N	81-33-09.9	W 0.547	296.000		
WVPM	WV	MORGANTOWN	90.90000	B	5000.00	LIC
Unknown or	New	CP BMLLED20030417ABX	WEST VIRGINIA EDUCATIONAL BROADCASTING AUTHORITY			
39-41-45.0	N	79-45-45.0	W 390.947	921.000		
WVPM	WV	MORGANTOWN	90.90000	B	1255.00	APP
Unknown or	New	CP BSTA20081121ADO	WEST VIRGINIA EDUCATIONAL BROADCASTING AUTHORITY			
39-41-45.0	N	79-45-45.0	W 323.699	908.000		
WFCO	OH	LANCASTER	90.90000	A	1200.00	LIC
Unknown or	New	CP BLED20051215ABD	LANCASTER EDUCATIONAL BROADCASTING FOUNDATION			
39-40-49.0	N	82-35-51.0	W 39.035	367.000		
WUVT-FM	VA	BLACKSBURG	90.70000	C3	6500.00	LIC
Unknown or	New	CP BLED20090814AAL	VIRG. POLYTECHNIC INST. & STATE UNIV			
37-11-12.0	N	80-28-53.8	W 46.538	739.000		
WGUC	OH	CINCINNATI	90.90000	B	15000.00	LIC
Unknown or	New	CP BLED19811119AK	CINCINNATI PUBLIC RADIO, INC.			
39-07-27.0	N	84-31-18.0	W 234.734	477.000		
WGUC	OH	CINCINNATI	90.90000	B	18500.00	CP
Unknown or	New	CP BPED20101027ACM	CINCINNATI PUBLIC RADIO, INC.			
39-07-29.9	N	84-29-56.2	W 180.853	419.000		
WSJE	WV	SUMMERSVILLE	91.30000	A	240.00	CP MOD
Unknown or	New	CP BMPED20091023AKZ	EVANGELIST COMMUNICATIONS, INC.			
38-21-37.0	N	80-38-49.0	W 146.376	959.000		
WWMC	VA	LYNCHBURG	90.90000	A	100.00	LIC
Unknown or	New	CP BLED19930211KF	LIBERTY UNIVERSITY, INC.			
37-20-56.0	N	79-10-05.0	W 150.608	424.000		
WEHC	VA	EMORY	90.70000	C3	8700.00	LIC
Unknown or	New	CP BLED20091014AEW	EMORY & HENRY COLLEGE			
36-46-01.0	N	81-50-18.0	W 8.332	765.000		
WSIF	NC	WILKESBORO	90.90000	A	1000.00	LIC
Unknown or	New	CP BLED20030605ADH	ISOTHERMAL COMMUNITY COLLEGE			
36-08-12.0	N	81-11-02.0	W -113.769	358.000		

**Exhibit 18 Page 3**  
**Shofar Broadcasting Corporation**  
**Identification of Facilities**  
**Charleston, West Virginia**

WOUN-FM OH ATHENS 91.30000 B 50000.00 LIC  
 Unknown or New CP BLED20020517ABA OHIO UNIVERSITY  
 39-18-52.0 N 82-08-59.0 W 114.217 401.000

WEWH OH WASHINGTON COURT HOU 91.10000 B1 9000.00 CP  
 Unknown or New CP BNPED20071012AXO ST GABRIEL RADIO, INC  
 39-24-27.8 N 83-21-15.3 W 70.586 392.000

WOCU OH SINKING SPRING 90.70000 A 3000.00 CP  
 Unknown or New CP BNPED20071019AAW THE CEDARVILLE UNIVERSITY  
 38-58-47.0 N 83-23-32.0 W 50.669 353.000

WDWC OH MARTINS FERRY 90.70000 B1 6300.00 CP MOD  
 Unknown or New CP BMPED20090824AMC ST. PAUL CENTER FOR BIBLICAL THEOLOGY  
 40-04-56.0 N 80-56-24.0 W 68.084 453.000

WNZR OH MOUNT VERNON 90.90000 A 1300.00 LIC  
 Unknown or New CP BLED20100426AAY MOUNT VERNON NAZARENE UNIVERSITY  
 40-22-15.0 N 82-28-05.0 W 15.216 395.000

WQFS NC GREENSBORO 90.90000 A 1900.00 LIC  
 Unknown or New CP BLED19811228AG GUILFORD COLLEGE  
 36-05-39.0 N 79-53-21.0 W 23.527 314.000

WVPG WV PARKERSBURG 90.30000 B1 9000.00 LIC  
 Unknown or New CP BMLLED20091210AAS WEST VIRGINIA EDUCATIONAL BROADCASTING  
 AUTHORITY  
 39-12-44.0 N 81-35-30.0 W 54.269 331.000

WJDD OH CARROLLTON 90.90000 A 270.00 CP MOD  
 Unknown or New CP BMPED20100819AAL DENNY AND MARGE HAZEN MINISTRIES, INC.  
 40-34-15.0 N 81-10-48.0 W 50.563 432.000

WMRA VA HARRISONBURG 90.70000 B 10500.00 LIC  
 Unknown or New CP BLED19950105KE JAMES MADISON UNIVERSITY BOARD OF VISITORS  
 38-33-50.0 N 78-57-00.0 W 291.557 852.000

WMKY KY MOREHEAD 90.30000 C1 37000.00 LIC  
 Unknown or New CP BLED20031022ALF MOREHEAD STATE UNIVERSITY  
 38-10-38.0 N 83-24-17.0 W 233.158 571.000

WMRA VA HARRISONBURG 90.70000 B 21500.00 LIC  
 Unknown or New CP BMLLED19950728KD JAMES MADISON UNIVERSITY BOARD OF VISITORS  
 38-33-40.0 N 78-56-56.0 W 156.721 735.000

WYAP-LP WV CLAY 101.70000 LP100 100.00 LIC  
 Unknown or New CP BLL20040908AMG CLAY COUNTY COMMUNICATIONS, LTD.  
 38-28-32.0 N 81-05-03.0 W -143.251 239.000

**Exhibit 18 Page 4**  
**Shofar Broadcasting Corporation**  
**Identification of Facilities**  
**Charleston, West Virginia**

WOSE OH COSHOCTON 91.10000 A 6000.00 LIC  
Unknown or New CP BLED19960311KH THE OHIO STATE UNIVERSITY  
40-20-30.0 N 81-57-56.0 W 49.881 388.000

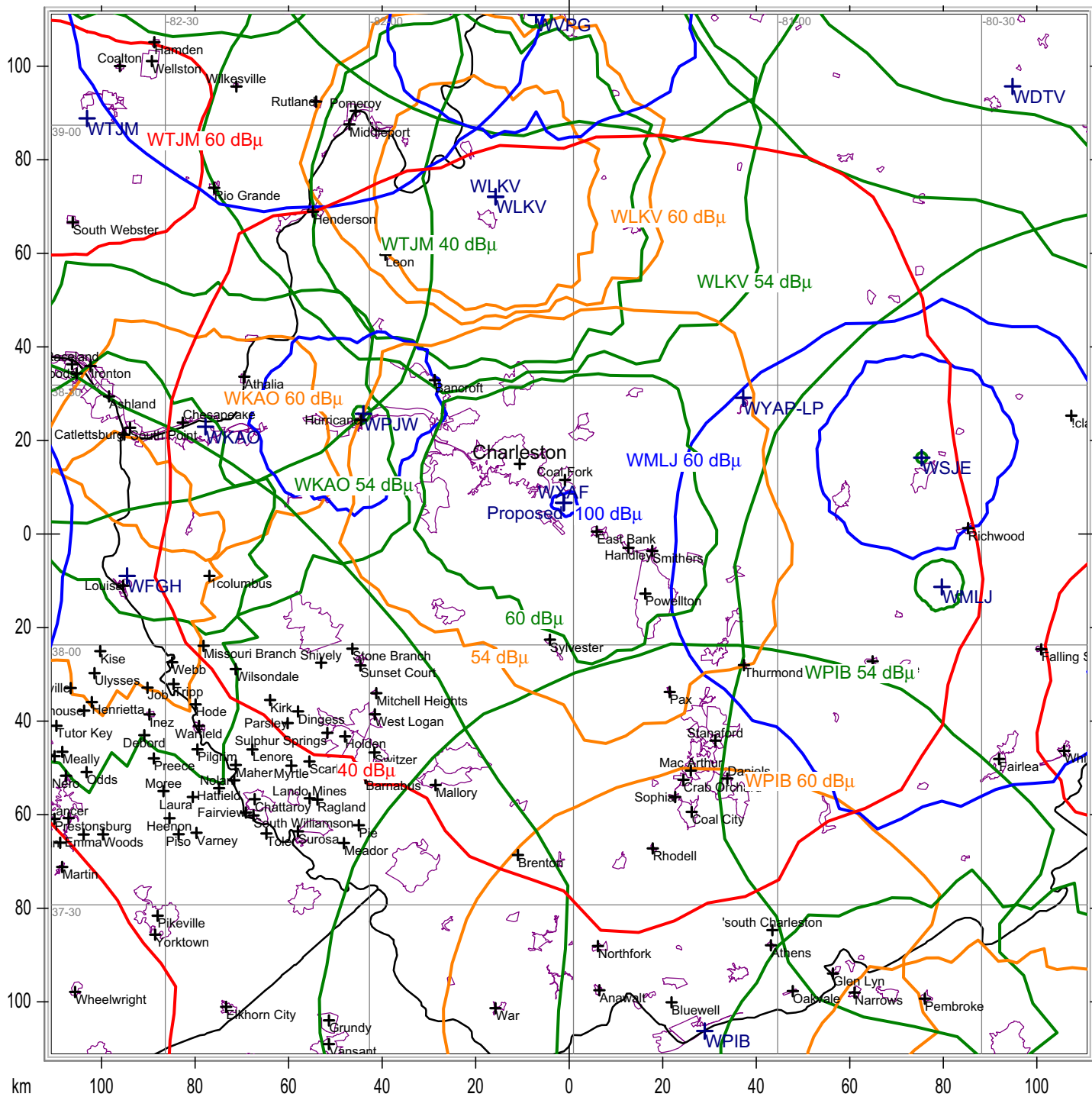
WMCO OH NEW CONCORD 90.70000 A 1300.00 LIC  
Unknown or New CP BLED19811109AA MUSKINGUM COLLEGE  
39-59-46.0 N 81-43-18.0 W -6.451 314.000

NEW NC MONTREAT 90.90000 A 10.00 CP  
Unknown or New CP BNPED20071022ASB SARDIS UNITED METHODIST CHURCH  
35-44-06.0 N 82-17-11.0 W 829.411 2023.000

WCWS-FM OH WOOSTER 90.90000 A 1050.00 LIC  
Unknown or New CP BMLLED20000505AAF THE COLLEGE OF WOOSTER  
40-49-41.0 N 81-52-14.0 W 21.691 393.000

WPTJ KY PARIS 90.70000 C3 10000.00 LIC  
Unknown or New CP BLED20060821ACM LAY WITNESS OUTREACH, INC.  
38-19-40.0 N 84-07-44.0 W 64.773 357.000

Allocation Study



**Exhibit 18 Figure 1**  
**Shofar Broadcasting Corporation**  
**Allocation Study**  
**Charleston, West Virginia**

State Borders      City Borders      Lat/Lon Grid

like-color contours do not overlap

Map Scale: 1:1233535    1 cm = 12.34 km    V/H Size: 222.24 x 221.50 km

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**Exhibit 21 Page 1**  
**Shofar Broadcasting Corporation**  
**NCE FM Interference Area to TV 6**  
**Charleston, West Virginia**

The purpose of this exhibit is to show compliance with §73.525 of the Commission's Rules. The Rules require that an applicant proposing operation on FM Channel 215, whose antenna location is less than 180 kilometers from an authorized television Channel 6 facility, furnish a map and an engineering statement, with calculations, demonstrating compliance with the Rules with regard to interference to the reception of authorized television channel 6 stations. There is one affected TV 6 station.

1. WDTV - 131 km distant

Therefore, the above station must receive consideration.

First, the relative HAAT figures were generated for the station using the NGDC 30 Second Database and the data from the FCC TV Database. The distances to the contours were predicted according to the procedures specified in §73.684 of the Commission's Rules, "Prediction of Coverage," using the F(50,50) curves in Figure 9 of §73.699.

For each television channel 6 field strength contour, the associated F(50,10) FM interference contour was obtained from Figure 1 of §73.599. The distances to the applicable NCE-FM interference contours were predicted according to the procedures specified in "Prediction of Coverage," using the F(50,10) curves in Figure 1 of §73.333 of the Rules. Radials were then computed every 5 degrees from the proposed NCE-FM site to the point at which interference stops occurring.

**Exhibit 21 Page 2**  
**Shofar Broadcasting Corporation**  
**NCE FM Interference Area to TV 6**  
**Charleston, West Virginia**

A table of the proposed NCE-FM F(50,10) interfering contours to the television channel 6 F(50,50) protected contours may be seen as Table 1 of this exhibit. A map of the interference area appears as Figure 1 of this exhibit.

These calculations are based on the appropriate F(50,50), F(50,10) and FM/TV 6 protection ratio curves for an NCE-FM station operating with facilities of 4.0 kilowatts ERP at 190 meters HAAT. Free space calculations were used when computing the field strength for distances less than 1 mile.

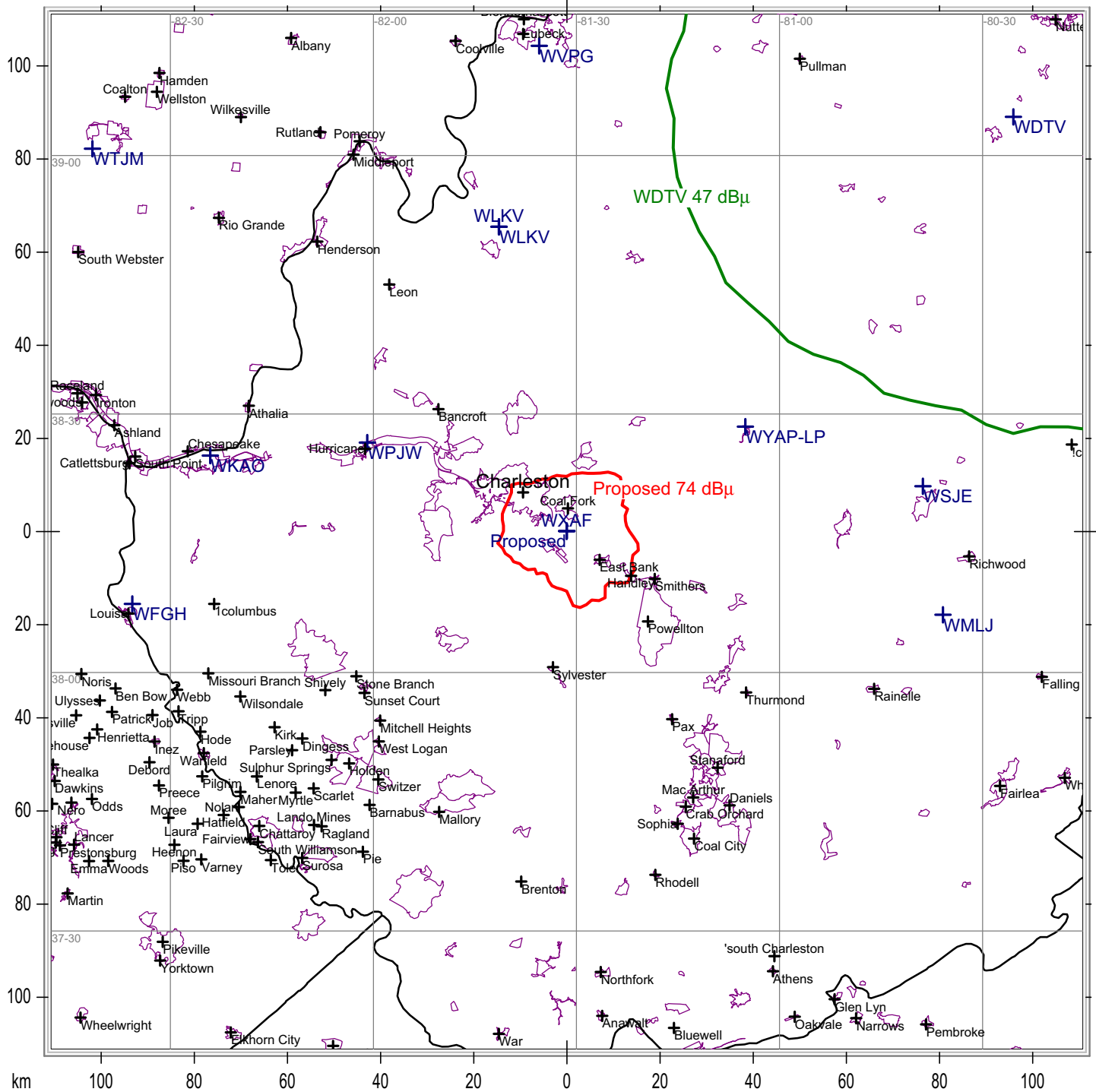
The applicant chooses to use circular polarization and adjustments for vertical only polarization or receiving antenna directivity have not been utilized.

As can be seen there is no contour overlap with the TV 6 stations, therefore the application complies with the requirements of §73.525 concerning interference to TV 6.

**Exhibit 21 Table 1**  
**Shofar Broadcasting Corporation**  
**NCE FM Interference to Television Channel 6**  
**Charleston, West Virginia**

<b>TV Contour dB</b>	<b>U/D Ratio dB</b>	<b>FM Contour</b>
<b>47.0</b>	<b>27.0</b>	<b>74.0</b>

No Overlap with WDTV 47 dBu



**Exhibit 21 Figure 1**  
**Shofar Broadcasting Corporation**  
**No Overlap with TV 6**  
**Charleston, West Virginia**

State Borders    City Borders    Lat/Lon Grid

**Exhibit 24 Page 1**  
**Shofar Broadcasting Corporation**  
**Environmental Assessment**  
**Charleston, West Virginia**

The proposed antenna construction does not require any action covered by FCC R&R 1.1307(a).

The proposed facility will not be located in an officially designated wilderness area, nor will it be located in an officially designated wildlife preserve.

The proposed facility will not affect listed threatened or endangered species or designated critical habitats; nor is it likely to jeopardize the continued existence of any proposed endangered or threatened species or likely to result in the destruction or adverse modification of proposed critical habitats, as determined by the Secretary of the Interior pursuant to the Endangered Species Act of 1973.

The proposed facility will not affect districts, sites, buildings, structures or objects, significant in American history, architecture, archeology, engineering or culture, that are listed, or are eligible for listing, in the National Register of Historic Places. (See 16 USC 470w(5); 36 CFR Parts 60 and 800.)

The proposed facility will not:

- (1) Affect Indian religious sites;
- (2) Be located in a flood plain;
- (3) Involve significant change in surface features (e.g., wetland fill, deforestation or water diversion);
- (4) be equipped with high intensity white lights which are to be located in residential neighborhoods.

**Exhibit 24 Page 2**  
**Shofar Broadcasting Corporation**  
**Environmental Assessment**  
**Charleston, West Virginia**

The following environmental assessment has been prepared as required by FCC R&R 1.1307(b).

The applicant proposes facilities of 4.0 kilowatts effective radiated power circular with an antenna center of radiation 58 meters above ground.

The highest power density for 4.0 kilowatts at 58 meters occurs at a distance of 209 meters from the base of the structure. At this location the power density is calculated to be  $2.32047 \mu\text{W}/\text{cm}^2$ . This is 1.2% of the FCC uncontrolled environment maximum of  $200 \mu\text{W}/\text{cm}^2$ , and 0.2% of the controlled environment of  $1000 \mu\text{W}/\text{cm}^2$ . The exposure limit has been calculated out to a distance of 500 meters from the base of the tower. Radiation at this location is within ANSI/FCC standards.

Since the facility will not produce RF that equals, or is greater than, 5% of the  $200 \mu\text{W}/\text{cm}^2$  uncontrolled limit for exposure, the station complies with the guidelines found in the OET-65 document.

In addition to the above-mentioned RF compliance, the permittee/licensee will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.

# Exhibit 24 Figure 1

## Shofar Broadcasting Corporation

### Power Density vs. Distance

#### Charleston, West Virginia



Maximum Value of Graph.

The Max Power Density was found to be 2.32047152649957  $\mu\text{W}/\text{cm}^2$  at 209 meters.

Note: Graph resolution is 1000 points.

OK