

**SECTION III-A AM 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. Frequency: \_\_\_\_\_ kHz
2. Class:  A  B  C  D
3. Hours of Operation:  Unlimited  Limited  Daytime  Share Time  Specified Hours: \_\_\_\_\_
4. **Daytime Operation:**  Yes  No

a. Power: \_\_\_\_\_ kW

b. Antenna Location Coordinates: (NAD 27)

\_\_\_\_\_ ° \_\_\_\_\_ ' \_\_\_\_\_ "  N  S Latitude  
 \_\_\_\_\_ ° \_\_\_\_\_ ' \_\_\_\_\_ "  E  W Longitude

c. **Nondirectional:**  Yes  No

If "Yes," complete the following items. If additional space is needed, please provide the information requested below in an Exhibit.

Exhibit No.
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Theoretical RMS: \_\_\_\_\_ mV/m at 1 km

Tower	
Overall height above ground (include obstruction lighting)	
Antenna structure registration	<p>_____ Number</p> <input type="checkbox"/> Notification filed with FAA <input type="checkbox"/> Not applicable
Height of radiator above base insulator, or above base, if grounded	
Electrical height of radiator (degrees)	
Top-Loaded/Sectionalized apparent height	
A	
B	
C	
D	

**TECH BOX - DAYTIME OPERATION**

**d. Directional:**

Yes  No  
 Exhibit No.

If "Yes," complete the following items. If additional space is needed, please provide the information requested below in an Exhibit.

Theoretical RMS: \_\_\_\_\_ mV/m at 1 km

Standard RMS: \_\_\_\_\_ mV/m at 1 km

Towers	1	2	3	4
Overall height above ground (include obstruction lighting)				
Antenna structure registration	_____ <input type="checkbox"/> Number Notification filed with FAA <input type="checkbox"/> Not applicable	_____ <input type="checkbox"/> Number Notification filed with FAA <input type="checkbox"/> Not applicable	_____ <input type="checkbox"/> Number Notification filed with FAA <input type="checkbox"/> Not applicable	_____ <input type="checkbox"/> Number Notification filed with FAA <input type="checkbox"/> Not applicable
Height of radiator above base insulator, or above base, if grounded				
Electrical height of radiator (degrees)				
Field ratio				
Phase				
Spacing				
Tower orientation				
Tower reference switch				
Top-Loaded/Sectionalized apparent height				
A				
B				
C				
D				

**Augmented:**

Yes  No

If "Yes," complete the following:

Augmented RMS: \_\_\_\_\_ mV/m at 1 km

Azimuth                      Span                      Augmentation radiation


**TECH BOX - NIGHTTIME OPERATION**

**5. Nighttime Operation:**

Yes  No

a. Power: \_\_\_\_\_ kW

b. Antenna Location Coordinates: (NAD 27)

\_\_\_\_\_ ° \_\_\_\_\_ ' \_\_\_\_\_ "  N  S Latitude  
 \_\_\_\_\_ ° \_\_\_\_\_ ' \_\_\_\_\_ "  E  W Longitude

c. **Nondirectional:**

Yes  No

If "Yes," complete the following items. If additional space is needed, please provide the information requested below in an Exhibit.

Exhibit No.
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Theoretical RMS: \_\_\_\_\_ mV/m at 1 km

Tower	
Overall height above ground (include obstruction lighting)	
Antenna structure registration	<p style="text-align: center;">_____ Number</p> <input type="checkbox"/> Notification filed with FAA <input type="checkbox"/> Not applicable
Height of radiator above base insulator, or above base, if grounded	
Electrical height of radiator (degrees)	
Top-Loaded/Sectionalized apparent height	
A	
B	
C	
D	

**TECH BOX - NIGHTTIME OPERATION**

**d. Directional:**

Yes  No  
 Exhibit No.

If "Yes," complete the following items. If additional space is needed, please provide the information requested below in an Exhibit.

Theoretical RMS: \_\_\_\_\_ mV/m at 1 km

Standard RMS: \_\_\_\_\_ mV/m at 1 km

Towers	1	2	3	4
Overall height above ground (include obstruction lighting)				
Antenna structure registration	_____ <input type="checkbox"/> Number Notification filed with FAA <input type="checkbox"/> Not applicable	_____ <input type="checkbox"/> Number Notification filed with FAA <input type="checkbox"/> Not applicable	_____ <input type="checkbox"/> Number Notification filed with FAA <input type="checkbox"/> Not applicable	_____ <input type="checkbox"/> Number Notification filed with FAA <input type="checkbox"/> Not applicable
Height of radiator above base insulator, or above base, if grounded				
Electrical height of radiator (degrees)				
Field ratio				
Phase				
Spacing				
Tower orientation				
Tower reference switch				
Top-Loaded/Sectionalized apparent height				
A				
B				
C				
D				

**Augmented:**

Yes  No

If "Yes," complete the following:

Augmented RMS: \_\_\_\_\_ mV/m at 1 km

Azimuth                      Span                      Augmentation radiation


**TECH BOX - CRITICAL HOURS OPERATION**

**6. Critical Hours Operation:**

Yes  No

a. Power: \_\_\_\_\_ kW

b. Antenna Location Coordinates: (NAD 27)

\_\_\_\_\_ ° \_\_\_\_\_ ' \_\_\_\_\_ "  N  S Latitude  
 \_\_\_\_\_ ° \_\_\_\_\_ ' \_\_\_\_\_ "  E  W Longitude

c. **Nondirectional:**

Yes  No

If "Yes," complete the following items. If additional space is needed, please provide the information requested below in an Exhibit.

Exhibit No.
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Theoretical RMS: \_\_\_\_\_ mV/m at 1 km

Tower	
Overall height above ground (include obstruction lighting)	
Antenna structure registration	<p>_____ Number</p> <input type="checkbox"/> Notification filed with FAA <input type="checkbox"/> Not applicable
Height of radiator above base insulator, or above base, if grounded	
Electrical height of radiator (degrees)	
Top-Loaded/Sectionalized apparent height	
A	
B	
C	
D	

**TECH BOX - CRITICAL HOURS OPERATION**

**d. Directional:**

Yes  No  
 Exhibit No.

If "Yes," complete the following items. If additional space is needed, please provide the information requested below in an Exhibit.

Theoretical RMS: \_\_\_\_\_ mV/m at 1 km

Standard RMS: \_\_\_\_\_ mV/m at 1 km

Towers	1	2	3	4
Overall height above ground (include obstruction lighting)				
Antenna structure registration	_____ <input type="checkbox"/> Number Notification filed with FAA <input type="checkbox"/> Not applicable	_____ <input type="checkbox"/> Number Notification filed with FAA <input type="checkbox"/> Not applicable	_____ <input type="checkbox"/> Number Notification filed with FAA <input type="checkbox"/> Not applicable	_____ <input type="checkbox"/> Number Notification filed with FAA <input type="checkbox"/> Not applicable
Height of radiator above base insulator, or above base, if grounded				
Electrical height of radiator (degrees)				
Field ratio				
Phase				
Spacing				
Tower orientation				
Tower reference switch				
Top-Loaded/Sectionalized apparent height				
A				
B				
C				
D				

**Augmented:**

Yes  No

If "Yes," complete the following:

Augmented RMS: \_\_\_\_\_ mV/m at 1 km

Azimuth                      Span                      Augmentation radiation


**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**

7. **Broadcast Facility.** The proposed facility complies with the engineering standards and assignment requirements of 47 C.F.R. Sections 73.24(e), 73.24(g), 73.33, 73.45, 73.150, 73.152, 73.160, 73.182(a)-(i), 73.186, 73.189, 73.1650. **Exhibit Required.**  Yes  No 

See Explanation in Exhibit No.
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Exhibit No.
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8. **Community Coverage.** The proposed facility complies with community coverage requirements of 47 C.F.R. Section 73.24(i).  Yes  No 

See Explanation in Exhibit No.
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9. **Main Studio Location.** The proposed main studio location complies with requirements of 47 C.F.R. Section 73.1125.  Yes  No 

See Explanation in Exhibit No.
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10. **Interference.** The proposed facility complies with all of the following applicable rule sections. Check all those that apply. An exhibit is required for each applicable section.  Yes  No 

See Explanation in Exhibit No.
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**Groundwave.**

a.  47 C.F.R. Section 73.37 

Exhibit No.
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**Skywave.**

b.  47 C.F.R. Section 73.182. 

Exhibit No.
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**Critical Hours.**

c.  47 C.F.R. Section 73.187. 

Exhibit No.
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11. **Environmental Protection Act.** 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 Appendix A, an **Exhibit is required.**  Yes  No 

See Explanation in Exhibit No.
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Exhibit No.
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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.

**PREPARER'S CERTIFICATION ON PAGE 3 MUST BE COMPLETED AND SIGNED.**