

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)

_____	°	_____	'	_____	"	<input type="checkbox"/>	N	<input type="checkbox"/>	S	Latitude
_____	°	_____	'	_____	"	<input type="checkbox"/>	E	<input type="checkbox"/>	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.

Theoretical RMS: _____ mV/m at 1 km

Tower	
Overall height above ground (include obstruction lighting)	
Antenna structure registration	<div style="text-align: center;">_____</div> <div>Number</div> <div><input type="checkbox"/> Notification filed with FAA</div> <div><input type="checkbox"/> Not applicable</div>
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

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

Exhibit No.

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	<div>_____</div> <div>Number</div> <div><input type="checkbox"/> Notification filed with FAA</div> <div><input type="checkbox"/> Not applicable</div>	<div>_____</div> <div>Number</div> <div><input type="checkbox"/> Notification filed with FAA</div> <div><input type="checkbox"/> Not applicable</div>	<div>_____</div> <div>Number</div> <div><input type="checkbox"/> Notification filed with FAA</div> <div><input type="checkbox"/> Not applicable</div>	<div>_____</div> <div>Number</div> <div><input type="checkbox"/> Notification filed with FAA</div> <div><input type="checkbox"/> Not applicable</div>
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.

Theoretical RMS: _____ mV/m at 1 km

Tower	
Overall height above ground (include obstruction lighting)	
Antenna structure registration	<div style="text-align: center;">_____ Number</div> <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

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

Exhibit No.

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	<div>Number</div> <input type="checkbox"/> Notification filed with FAA <input type="checkbox"/> Not applicable	<div>Number</div> <input type="checkbox"/> Notification filed with FAA <input type="checkbox"/> Not applicable	<div>Number</div> <input type="checkbox"/> Notification filed with FAA <input type="checkbox"/> Not applicable	<div>Number</div> <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)				
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.

Theoretical RMS: _____ mV/m at 1 km

Tower	
Overall height above ground (include obstruction lighting)	
Antenna structure registration	<div style="text-align: center;">_____</div> <div style="text-align: center;">Number</div> <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

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

Exhibit No.

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	<div>_____</div> <div> <input type="checkbox"/> Number Notification filed with FAA <input type="checkbox"/> Not applicable </div>	<div>_____</div> <div> <input type="checkbox"/> Number Notification filed with FAA <input type="checkbox"/> Not applicable </div>	<div>_____</div> <div> <input type="checkbox"/> Number Notification filed with FAA <input type="checkbox"/> Not applicable </div>	<div>_____</div> <div> <input type="checkbox"/> Number Notification filed with FAA <input type="checkbox"/> Not applicable </div>
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.

Exhibit No.
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.
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.
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.
- Groundwave.**
- a. ☐ 47 C.F.R. Section 73.37

Exhibit No.
- Skywave.**
- b. ☐ 47 C.F.R. Section 73.182.

Exhibit No.
- Critical Hours.**
- c. ☐ 47 C.F.R. Section 73.187.

Exhibit No.
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.

Exhibit No.

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.