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 | | |
|----|---------------------------------|--|--|-------------|--|--|
| 1. | Frequency: kHz | | | | | |
| 2. | Class: | | D | | | |
| 3. | Hours of Operation: | | | | | |
| 4. | Daytime Operation: | | | | | |
| | a. Power: | kW | | | | |
| | b. Antenna Loca | ation Coordinates: (NAD 27) | | | | |
| | | 0 '' "' 0 '' ''' | N S Latitude E W Longitude | | | |
| | c. Nondirection | nal: |] | Yes No | | |
| | If "Yes," com provide the in | pplete the following items. If addition formation requested below in an Ex | nal space is needed, please hibit. | Exhibit No. | | |
| |] | Theoretical RMS: | mV/m at 1 km | | | |
| | | Tower | | | | |
| | | Overall height above ground (include obstruction lighting) | | | | |
| | | Antenna structure registration | Number Notification filed with FAA Not applicable | | | |
| | | Height of radiator above base insulator, or above base, if grounded | | | | |
| | | Electrical height of radiator (degrees) | | | | |
| | | Top-Loaded/Sectionalized apparent height | | | | |
| | | А | | | | |
| | | В | | | | |
| | | С | | | | |
| | | D | | | | |

| d. Directional: | | | Y | es No | |
|--|--|--|--|--|--|
| If "Yes," complete the following items. If additional space is needed, please provide Exhibit No. the information requested below in an Exhibit. | | | | | |
| The | oretical RMS: | mV/m at 1 km | | | |
| Stan | dard RMS: | mV/m at 1 km | | | |
| Towers | 1 | 2 | 3 | 4 | |
| Overall height above ground (include obstruction lighting) | | | | | |
| Antenna structure registration | Number Notification filed with FAA 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 | | | | | |
| А | | | | | |
| В | | | | | |
| С | | | | | |
| D | | | | | |
| Augmented: | | | | | |
| If "Yes," complete the following: | | | | | |
| Augmented RMS: mV/m at 1 km | | | | | |
| | Azimutn Span | Augmentation | | | |
| | | | | | |
| | | | | | |
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TECH BOX - NIGHTTIME OPERATION

| 5. | Nighttime Operatio | n: | | Yes No |
|----|---|---|--|--------|
| | a. Power: | kW | | |
| | b. Antenna Locati | on Coordinates: (NAD 27) | | |
| | - | 0 '' 0 '' '' | $\begin{bmatrix} & & & \\ $ | de |
| | c. Nondirectional | 1: | | Yes No |
| | If "Yes," complete th the information reque | Exhibit No. | | |
| | Th | eoretical RMS: | mV/m at 1 km | |
| | Т | lower | | |
| | C (i | Overall height above ground include obstruction lighting) | | |
| | Α | Antenna structure registration | Number Notification filed with FAA Not applicable | |
| | H ir | Height of radiator above base nsulator, or above base, if grounded | | |
| | E | Electrical height of radiator degrees) | | |
| | T a | Op-Loaded/Sectionalized | | |
| | | А | | |
| | | В | | |
| | | С | | |
| | | D | | |
| | | | | |

| d. Directional: | | | Y. | es 🗌 No | | |
|--|--|--|--|--|--|--|
| If "Yes," complete the following items. If additional space is needed, please provide the information requested below in an Exhibit. | | | | | | |
| The | oretical RMS: | mV/m at 1 km | | | | |
| Stan | ndard RMS: | mV/ | m at 1 km | | | |
| Towers | 1 | 2 | 3 | 4 | | |
| Overall height above ground (include obstruction lighting) | | | | | | |
| Antenna structure registration | Number Notification filed with FAA Not applicable | Number Notification filed with FAA Not applicable | Number Notification filed with FAA | Number Notification filed with FAA 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 | | | | | | |
| А | | | | | | |
| В | | | | | | |
| С | | | | | | |
| D | | | | | | |
| Augmented: | Augmented: | | | | | |
| If "Yes," complete the | following: | | | | | |
| Augmented RMS: mV/m at 1 km | | | | | | |
| · | Azimuth Span | Augmentation | n radiation | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

TECH BOX - CRITICAL HOURS OPERATION

| 6. | Cri | tical Hours O | peration: | Yes No | |
|----|-----|---------------------------------|---|--|--|
| | a. | Power: | kW | | |
| | b. | Antenna Loc | ation Coordinates: (NAD 27) | | |
| | | | 0 / / | $ \begin{array}{c c} & \square & N & \square & S & Latitude \\ & \square & E & \square & W & Longitude \end{array} $ | |
| | c. | Nondirection | nal: | Yes No | |
| | | If "Yes," con provide the in | nplete the following items. If addition nformation requested below in an Ex Theoretical RMS: | nal space is needed, please hibit. mV/m at 1 km | |
| | | | Tower | | |
| | | | | | |
| | | | Overall height above ground (include obstruction lighting) | | |
| | | | Antenna structure registration | Number Notification filed with FAA Not applicable | |
| | | | Height of radiator above base insulator, or above base, if grounded | | |
| | | | Electrical height of radiator (degrees) | | |
| | | | Top-Loaded/Sectionalized apparent height | | |
| | | | А | | |
| | | | В | | |
| | | | С | | |
| | | | D | | |
| | | | | · | |

| 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. | | | | | | |
|---|--|--|--|--|--|--|
| The | oretical RMS: | mV/m at 1 km | | | | |
| Stan | idard RMS: | rd RMS: mV/m at 1 km | | | | |
| Towers | 1 | 2 | 3 | 4 | | |
| Overall height above ground (include obstruction lighting) | | | | | | |
| Antenna structure registration | Number Notification filed with FAA 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 | | | | | | |
| А | | | | | | |
| В | | | | | | |
| С | | | | | | |
| D | | | | | | |
| Augmented: | Augmented: Yes No | | | | | |
| If "Yes," complete the | If "Yes," complete the following: | | | | | |
| Augmented RMS: | | | m at 1 km | | | |
| · | Azimuth Span | Augmentation | n radiation | | | |
| | | | | | | |
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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

- See Explanation The proposed facility complies with the engineering standards and 7. Broadcast Facility. Yes No in Exhibit No. 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. Exhibit No. Community Coverage. The proposed facility complies with community coverage See Explanation 8. Yes No requirements of 47 C.F.R. Section 73.24(i). in Exhibit No. See Explanation Main Studio Location. The proposed main studio location complies with requirements of 9. Yes No in Exhibit No. 47 C.F.R. Section 73.1125. 10. Interference. The proposed facility complies with all of the following applicable rule See Explanation Yes No in Exhibit No. sections. Check all those that apply. An exhibit is required for each applicable section. Groundwave. Exhibit No. 47 C.F.R. Section 73.37 Skywave. Exhibit No. 47 C.F.R. Section 73.182. h **Critical Hours.** Exhibit No. 47 C.F.R. Section 73.187. c. See Explanation 11. Environmental Protection Act. The proposed facility is excluded from environmental Yes No in Exhibit No.
 - 1. 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.**

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.