

**SECTION VII - TV 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: \_\_\_\_\_

2. Offset: Plus \_\_\_\_\_ Minus \_\_\_\_\_ Zero \_\_\_\_\_

3. Zone:  I  II  III

4. Antenna Location Coordinates: (NAD 27)

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

5. Antenna Structure Registration Number: \_\_\_\_\_

Not applicable  FAA Notification Filed with FAA

6. Height of Radiation Center Above Mean Sea Level: \_\_\_\_\_ meters

7. Overall Tower Height Above Ground Level: \_\_\_\_\_ meters

8. Height of Radiation Center Above Ground Level: \_\_\_\_\_ meters

9. Height of Radiation Center Above Average Terrain: \_\_\_\_\_ meters

10. Maximum Effective Radiated Power (ERP): \_\_\_\_\_ kW

11. Antenna Specifications:

a.	Manufacturer	Model
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b. Electrical Beam Tilt: \_\_\_\_\_ degrees  Not Applicable

c. Mechanical Beam Tilt: \_\_\_\_\_ degrees toward azimuth \_\_\_\_\_ degrees True  Not Applicable

Attach as an Exhibit all data specified in 47 C.F.R. Section 73.685.

Exhibit No.

d. Polarization:  Horizontal  Circular  Elliptical

**TECH BOX**

e. Directional Antenna Relative Field Values:  Not applicable (Nondirectional)

Rotation: \_\_\_\_\_ °  No rotation

Degree	Value	Degree	Value	Degree	Value	Degree	Value	Degree	Value	Degree	Value
0		60		120		180		240		300	
10		70		130		190		250		310	
20		80		140		200		260		320	
30		90		150		210		270		330	
40		100		160		220		280		340	
50		110		170		230		290		350	
Additional Azimuths											

If a directional antenna is proposed, the requirements of 47 C.F.R. Sections 73.682(a)(14) and 73.685 must be satisfied. **Exhibit required.**

Exhibit No.

**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**

- 12. **Allotment.** The proposed facility complies with 47 C.F.R. Section 73.607.  Yes  No See Explanation in Exhibit No.
- 13. **Power and Antenna Height.** The proposed facility complies with 47 C.F.R. Section 73.614.  Yes  No See Explanation in Exhibit No.
- 14. **Community Coverage.** The proposed facility complies with 47 C.F.R. Sections 73.685(a) and (b).  Yes  No See Explanation in Exhibit No.
- 15. **Main Studio Location.** The proposed main studio location complies with 47 C.F.R. Section 73.1125.  Yes  No See Explanation in Exhibit No.

16. **Separation Requirements.** The proposed facility complies with the separation requirements 47 C.F.R. Section 73.610.  Yes  No See Explanation in Exhibit No.
17. **Objectionable Interference.** The applicant accepts full responsibility in accordance with 47 C.F.R. Sections 73.685(d) and (g) for the elimination of any objectionable interference (including that caused by intermodulation) to facilities in existence or authorized prior to the grant of this application.  Yes  No See Explanation in Exhibit No.
18. **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).  Yes  No See Explanation in Exhibit No.

Exhibit No.

If "Yes," **submit as an Exhibit** a brief explanation of why an Environmental Assessment is not required. Also describe therein the steps that will be taken to limit RF radiation exposure to the public and to persons authorized access to the tower site.

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.

If "No," submit as an Exhibit an Environmental Assessment required by 47 C.F.R. Section 1.1311.

**PREPARER'S CERTIFICATION IN SECTION VII MUST BE COMPLETED AND SIGNED.**