

Section III-B - 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: <input type="text" value="258"/>
2.	Class (select one): <input type="radio"/> A <input type="radio"/> B1 <input checked="" type="radio"/> B <input type="radio"/> C3 <input type="radio"/> C2 <input type="radio"/> C1 <input type="radio"/> C0 <input type="radio"/> C <input type="radio"/> D
3.	Antenna Location Coordinates: (NAD 27) Latitude: Degrees <input type="text" value="40"/> Minutes <input type="text" value="44"/> Seconds <input type="text" value="53.6"/> <input checked="" type="radio"/> North <input type="radio"/> South Longitude: Degrees <input type="text" value="73"/> Minutes <input type="text" value="59"/> Seconds <input type="text" value="10.5"/> <input checked="" type="radio"/> West <input type="radio"/> East
4.	Proposed Allotment or Assignment Coordinates: (NAD 27) <input checked="" type="checkbox"/> Not Applicable Latitude: Degrees <input type="text"/> Minutes <input type="text"/> Seconds <input type="text"/> <input type="radio"/> North <input type="radio"/> South Longitude: Degrees <input type="text"/> Minutes <input type="text"/> Seconds <input type="text"/> <input type="radio"/> West <input type="radio"/> East
5.	Antenna Structure Registration Number: <input type="text" value="1007048"/> <input type="checkbox"/> Not Applicable <input type="checkbox"/> Notification filed with FAA
6.	Overall Tower Height Above Ground Level: <input type="text" value="443.0"/> meters
7.	Height of Radiation Center Above Mean Sea Level: <input type="text" value="400.1"/> meters(H) <input type="text" value="400.1"/> meters(V)
8.	Height of Radiation Center Above Ground Level: <input type="text" value="384.6"/> meters(H) <input type="text" value="384.6"/> meters(V)
9.	Height of Radiation Center Above Average Terrain: <input type="text" value="386.7"/> meters(H) <input type="text" value="386.7"/> meters(V)
10.	Effective Radiated Power: <input type="text" value="5.1"/> kW(H) <input type="text" value="5.1"/> kW(V)
11.	Maximum Effective Radiated Power: <input checked="" type="checkbox"/> Not Applicable (Beam-Tilt Antenna ONLY) <input type="text"/> kW(H) <input type="text"/> kW(V)
12.	Directional Antenna Relative Field Values: <input checked="" type="checkbox"/> Not applicable (Nondirectional) Rotation (Degrees): <input type="checkbox"/> No Rotation

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

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 13-16. PROCEED TO ITEM 17.

13.	Availability of Channels. The proposed facility complies with the allotment requirements of 47 C.F.R. Section 73.203.	<input type="radio"/> Yes <input type="radio"/> No
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		See Explanation in Exhibit 27
14.	Community Coverage. The proposed facility complies with 47 C.F.R. Section 73.315.	<input type="radio"/> Yes <input type="radio"/> No See Explanation in Exhibit 28
15.	Main Studio Location. The proposed main studio location complies with 47 C.F.R. Section 73.1125.	<input type="radio"/> Yes <input type="radio"/> No See Explanation in Exhibit 29
16.	Interference. The proposed facility complies with all of the following applicable rule sections: Check all those that apply: Separation Requirements. <input type="checkbox"/> a) 47 C.F.R. Section 73.207 Grandfathered Short-Spaced. <input type="checkbox"/> b) 47 C.F.R. Section 73.213(a) with respect to station(s): Exhibit 31 Exhibit required <input type="checkbox"/> c) 47 C.F.R. Section 73.213(b) with respect to station(s): Exhibit 32 Exhibit required <input type="checkbox"/> d) 47 C.F.R. Section 73.213(c) with respect to station(s): Exhibit 33 Exhibit required. Contour Protection <input type="checkbox"/> e) 47 C.F.R. Section 73.215 with respect to station(s): Exhibit 34 Exhibit required.	<input type="radio"/> Yes <input type="radio"/> No See Explanation in Exhibit 30
17.	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.	<input checked="" type="radio"/> Yes <input type="radio"/> No See Explanation in Exhibit 35 <i>RF Calculation</i> <i>See Comprehensive</i> <i>Technical Exhibit</i> <i>(upload report)</i>
18.	Community of License Change - Section 307(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 constitutes a preferential arrangement of station assignments under Section 307(b) of the Communications Act of 1934, as amended (47 U.S.C. Section 307(b)). An exhibit is required unless this question is not applicable.	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A Exhibit 36
PREPARERS CERTIFICATION ON PAGE 3 MUST BE COMPLETED AND SIGNED.		

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SECTION III - PREPARER'S CERTIFICATION

I certify that I have prepared Section III (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 KEVIN T. FISHER		Relationship to Applicant (e.g., Consulting Engineer) KEVIN T. FISHER Engineering Consultant	
Signature		Date 5/17/2017	
Mailing Address SMITH AND FISHER, LLC 4791 WINTERGREEN COURT			
City WOODBIDGE		State or Country (if foreign address) VA	Zip Code 22192 -
Telephone Number (include area code) 7035051751		E-Mail Address (if available) KEVIN@SMITHANDFISHER.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).

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