

## **Technical Statement**

AM FM Radio Licenses LLC is seeking authority to construct a new FM translator station to rebroadcast the signal of station WJMN, Channel 233 Boston, MA. The proposed translator is inside the protected service contour of WJMN (54 dBu). As such, this is considered a fill-in translator.

Attached as Exhibit A is a map which shows the proposed translator 54 dBu contour does not extend beyond the 54 dBu contour of WJMN

Attached as Exhibit B and Table A is a study demonstrating that the proposed translator will not cause interference to any full service station, nor will interference be delivered to or received from any existing FM translator station or LPFM application.

Attached as Exhibit C is a map which shows the proposed translator 34 dBu F50:10 contour does not extend beyond the domestic borders.

## **Radio Frequency Radiation Study and Statement**

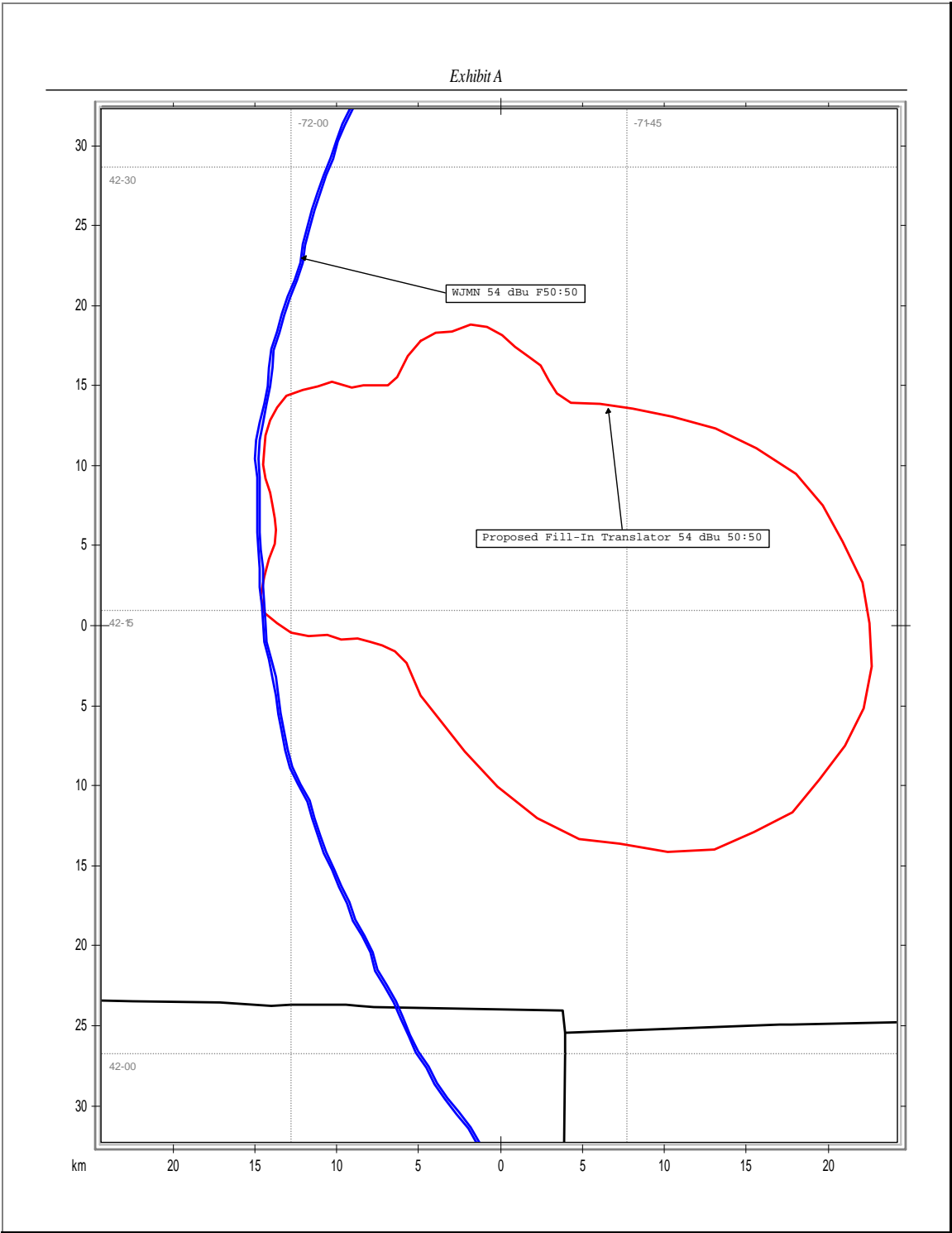
The Proposed facilities were evaluated in terms of potential radio frequency radiation exposure at ground level in accordance with OET Bulletin No. 65, "Evaluating Compliance With FCC-Specified Guidelines for Human Exposure to Radio frequency Radiation."

The proposed antenna system will be mounted with its center of radiation 73 meters above ground level, and will operate with an effective radiated power of 0.23 Kilowatts in both the horizontal and vertical planes. At 2 meters, the height of an average person, at the base of the tower, this proposal will contribute worst case, 2.9 microwatts per square centimeter, or 0.29 percent of the allowable ANSI limit for controlled exposure, and 1.45 percent of the allowable limit for uncontrolled exposure. It is therefore believed that this proposal is in compliance with OET Bulletin Number 65 as required by the Federal Communications Commission.

The applicant will cooperate with other users of the tower to reduce power of the facility, or discontinue operation, as necessary to limit human exposure to levels less than specified by the Federal Communications Commission should anyone be required to climb the tower for maintenance or inspection.

Troy Langham  
FCC Engineering Specialist  
AM FM Radio Licenses LLC

Exhibit A



## Exhibit B

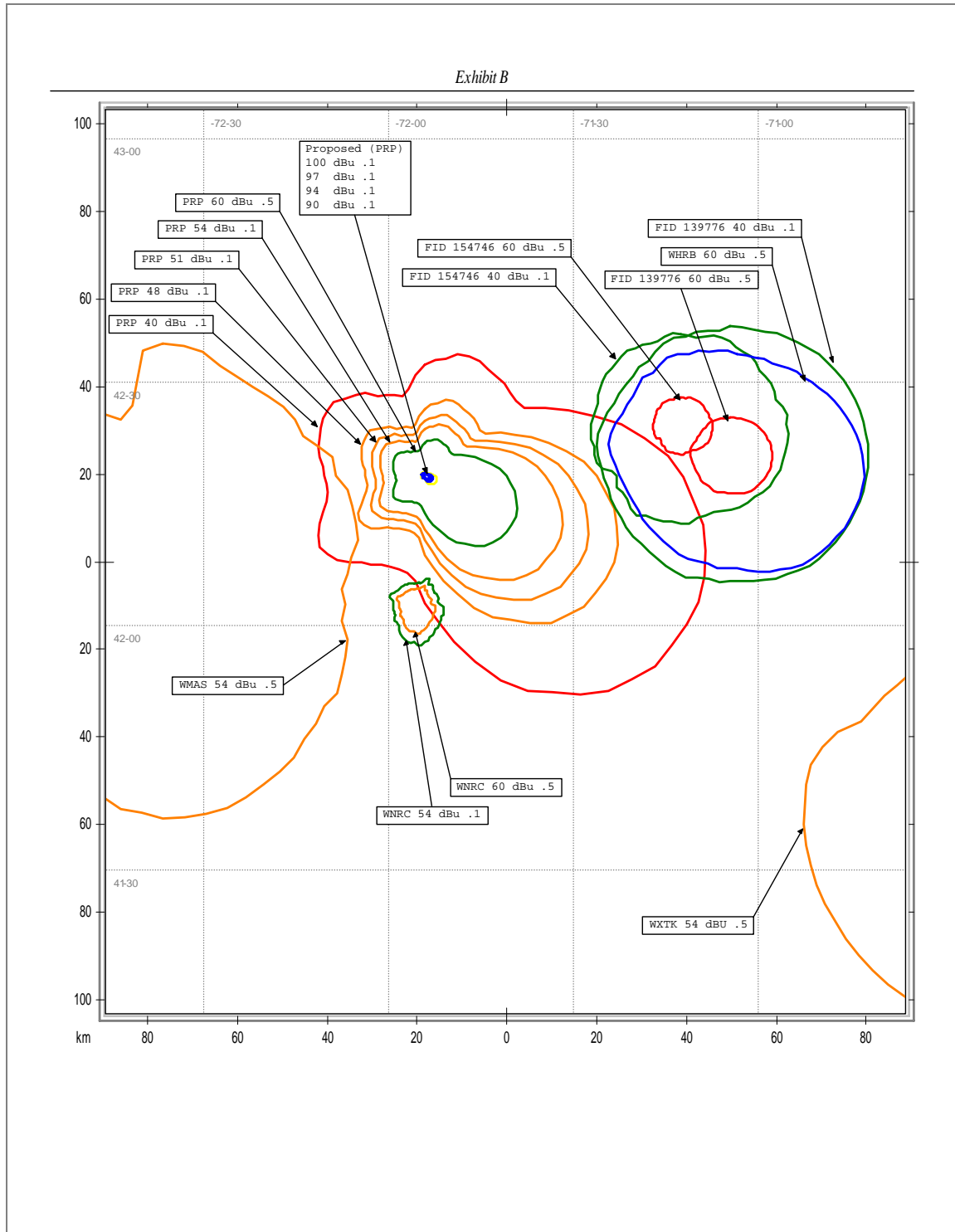


Table A:

ComStudy 2.2 search of channel 235 (94.9 MHz Class D) at 42-18-34.0N, 71-54-13.0 W.

CALL	CITY	ST	CHN	CL	DIST	SEP	BRNG	CLEARA	NCE
WJMN	BOSTON	MA	233	B	56.02	0	90	-5.25	dB
WJMN	BOSTON	MA	233	B	56.02	0	90	-5.33	dB
NEW WMAS- FM	LEXINGTON	MA	235	D	58.25	0	78.2	0.25	dB
NEW	SPRINGFIELD	MA	234	B	62.61	0	249.3	0.37	dB
WNRC	BOSTON	MA	235	D	68.42	0	86	1.34	dB
	DUDLEY WEST	MA	236	D	29.52	0	184.4	11.25	dB
WXTK	YARMOUTH	MA	236	B	157.26	0	118	21.19	dB
WHRB	CAMBRIDGE	MA	237	A	69.95	0	85.8	21.01	dB

Exhibit C

