

**Goldman Engineering Management
Auburn, CA**

LICENSE MODIFICATION APPLICATION

WXRV-FM4

This application is being filed by Beanpot License Corp, licensee of WXRV (FM) and WXRV-FM4 in order to increase the ERP of WXRV-FM4 from 99 watts to 1200 watts in compliance with 74.1204 of the rules.

When the original facility for WXRV-FM4 (223D) was requested, in an abundance of caution, the proposed facility was limited to 99 watts to avoid any potential conflicts with spacing to the IF relationship with WODS (FM), 277B.

Upon further analysis following operation of WXRV-FM4 it was determined that an increase in power to better serve the Cambridge, MA area would be helpful. As shown below in Exhibit A, the WXRV-FM4 transmitter is located exactly 15.01km away from the WODS facility and thus, since the distance is over 15km from WODS, it is not restricted in operation based upon class A to class B IF separations as specified in 73.207(b)(1).

Exhibit B is a new analysis of the grandfathered interference study to WPRO-FM (222B) using the revised power level of the WXRV-FM4 facility and demonstrates that there will be no impermissible interference generated as a result of the proposed operation of WXRV-FM4.

ENVIRONMENTAL COMPLIANCE

Because the proposed power will be 1200 watts maximum (Vertical), a revised environmental evaluation was performed. As shown in Exhibit C, the calculated MPE will be $24.7\mu\text{W}/\text{cm}^2$ or 12.4% of the maximum allowed public exposure level using a worst-case ring-stub antenna.

The proposed antenna is located on an existing tower and there are no other non-excluded facilities operating in the vicinity of the tower. Based upon the above evaluation, it is believed that the proposed facility is in compliance with all environmental requirements.

CERTIFICATION

The undersigned hereby certifies that the foregoing statement and associated attachments were prepared by him or under his direct supervision, and that they are true and correct to the best of his knowledge and belief.

A handwritten signature in cursive script, appearing to read "Bertram S. Goldman".

Bertram S. Goldman
Goldman Engineering Management

EXHIBIT A- ALLOCATION EVALUATION

ComStudy 2.2 search of channel 223 (92.5 MHz Class D) at 42-23-12.9 N, 71-04-35.8 W.

CALL	CITY	ST	CHN	CL	DIST	SEP	BRNG	CLEARANCE	
WBOS	BROOKLINE	MA	225	B	14.96	0.00	231.6	-32.24 dB	COMPLIANT 74.1204
WPRO-FM	PROVIDENCE	RI	222	B	72.49	0.00	207.0	-23.78 dB	SEE EXHIBIT B
WXRV	ANDOVER	MA	223	B	42.94	0.00	357.4	-16.14 dB	PRIMARY
WUMB-FM	BOSTON	MA	220	A	15.71	0.00	171.7	-2.44 dB	COMPLIANT 74.1204
WODS	BOSTON	MA	277	B	15.01	15.00	234.0	0.0	COMPLIANT 74.1204
WWYZ	WATERBURY	CT	223	B	172.79	0.00	238.5	18.81 dB	
WHYN-FM	SPRINGFIELD	MA	226	B	130.63	0.00	263.4	25.41 dB	
WBUA	TISBURY	MA	224	A	112.19	0.00	159.9	25.69 dB	
WDER-FM	PETERBOROUGH	NH	221	A	84.34	0.00	309.1	26.56 dB	
WMGX	PORTLAND	ME	226	B	159.22	0.00	24.4	28.55 dB	
WBPR	WORCESTER	MA	220	A	68.31	0.00	262.4	30.08 dB	
WOMR	PROVINCETOWN	MA	221	A	83.80	0.00	115.0	30.36 dB	
WMGX	PORTLAND	ME	226	B	159.22	0.00	24.4	31.04 dB	
WFPB-FM	FALMOUTH	MA	220	A	94.55	0.00	155.2	37.47 dB	
WXEX-FM	SANFORD	ME	221	A	116.90	0.00	10.9	39.31 dB	

EXHIBIT B- INTERFERENCE STUDY TO WPRO-FM

WXRV-FM4 PROP (1200 watts) Vs. WPRO Interference Free Contour

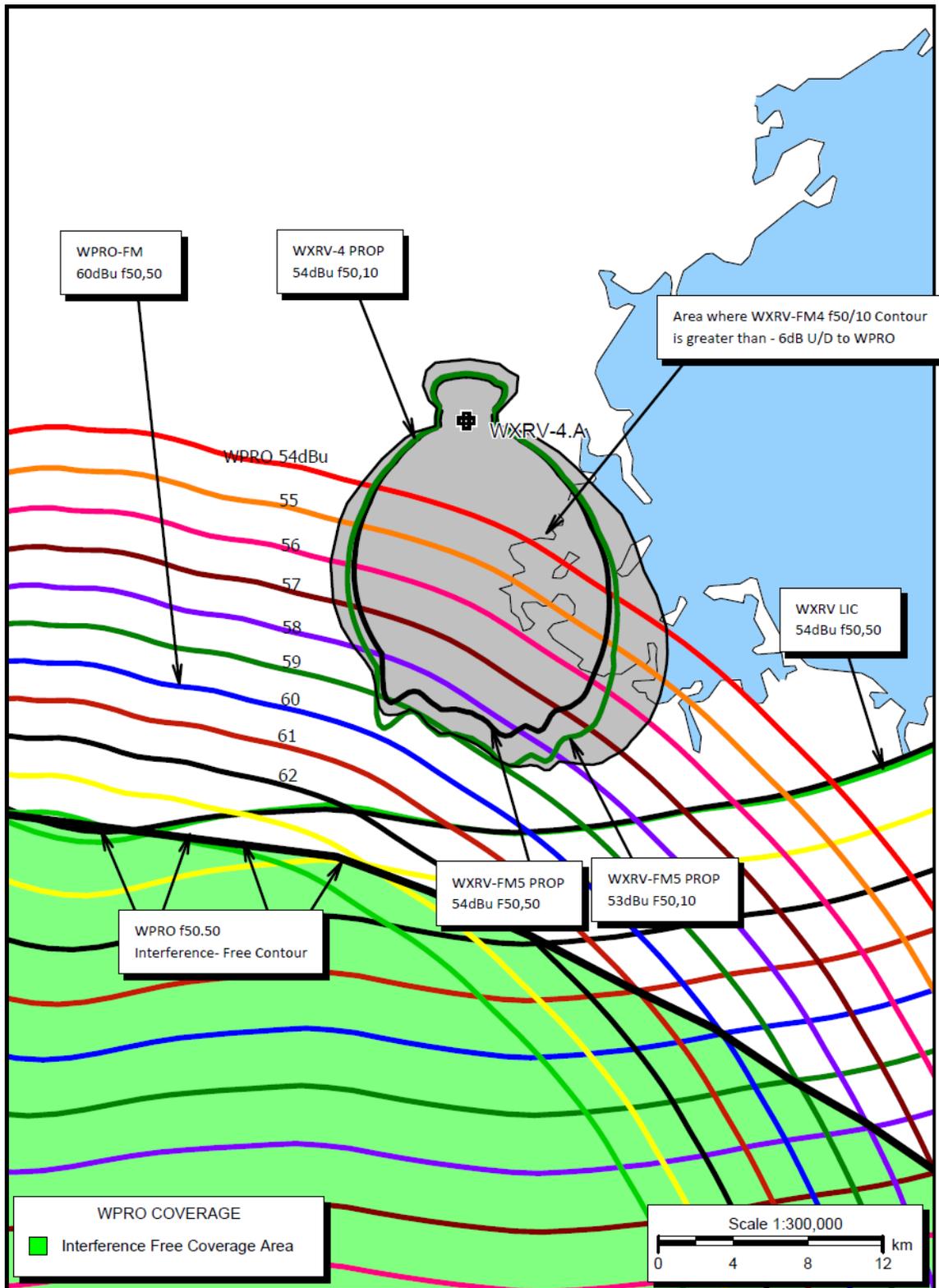
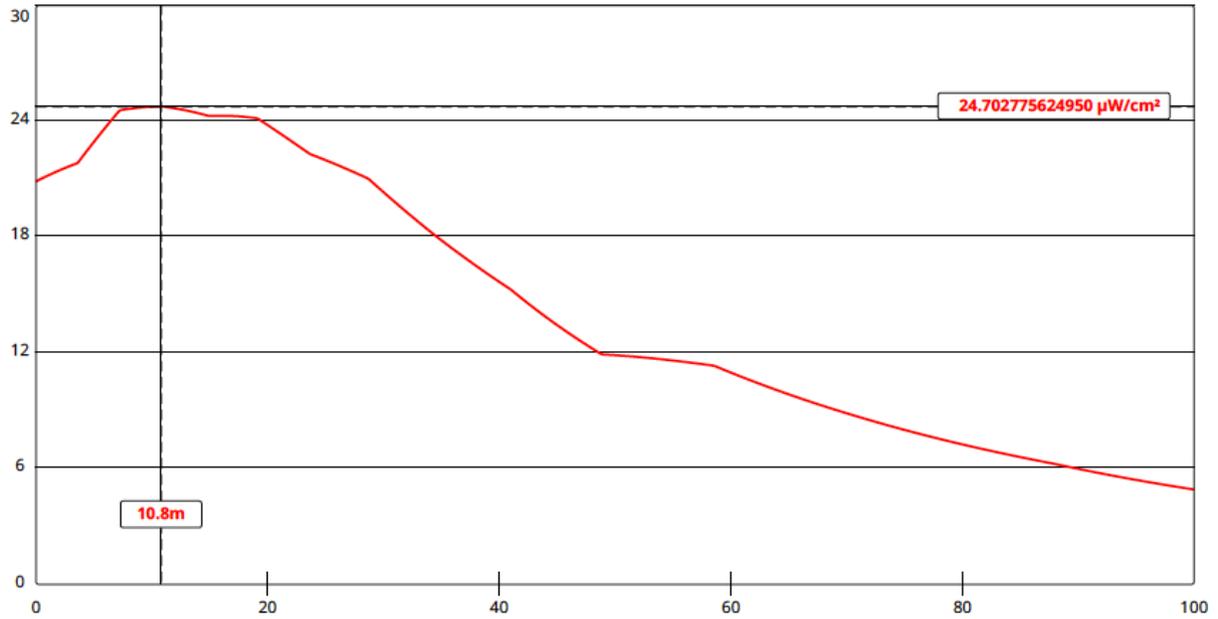


EXHIBIT C- FM MODEL FOR WINDOWS MPE EVALUATION



[View Tabular Results +](#)

Channel Selection	Channel 223 (92.5 MHz) ↓		
Antenna Type +	EPA Type 1: Ring-and-Stub or "Other" ↓		
Height (m)	<input type="text" value="43"/>	Distance (m)	<input type="text" value="100"/>
ERP-H (W)	<input type="text" value="400"/>	ERP-V (W)	<input type="text" value="1200"/>
Num of Elements	<input type="text" value="1"/>	Element Spacing (λ)	<input type="text" value="1"/>
Num of Points	<input type="text" value="500"/>	Apply	