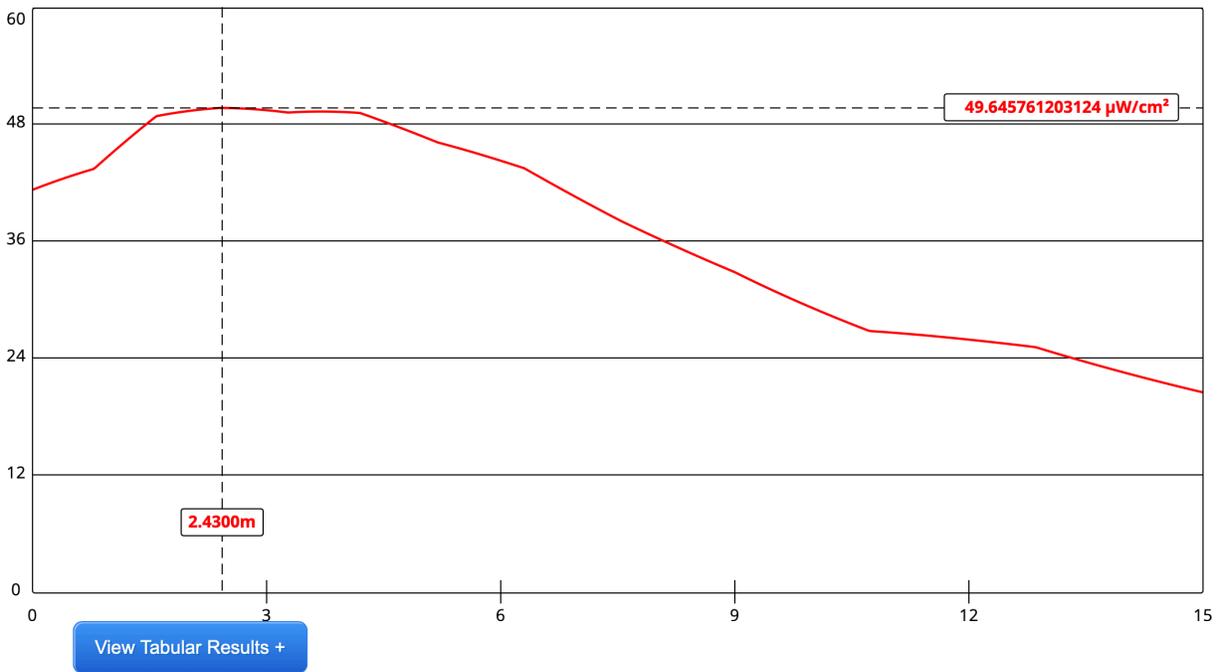


Exhibit 3 RF radiation study - WCLP-FM

WCLP-LP is a low power FM station licensed to Lake Placid, NY that operates on ch.252 (98.3 MHz.) The station broadcasts with an effective radiated power of 100 watts vertical and horizontal from a single bay Shively 6812B antenna. Applicant seeks to relocate its antenna approximately .1 km from its current transmitting site atop the steeple of St. Agnes Church to another building in the same neighborhood. This exhibit examines compliance with the commission's rules regarding human exposure to RF radiation.

The proposed antenna will be mounted 1 meter below the top of a 40' (12.2 meter) pole attached to an accessory building of a three story residential housing unit. The accessory building includes an above grade residential unit with an attic/storage area above, which is where the station transmitter will be located.

Exhibit 1 demonstrates levels of RF radiation received under the general population guidelines using the FM model program from the commissions web site.

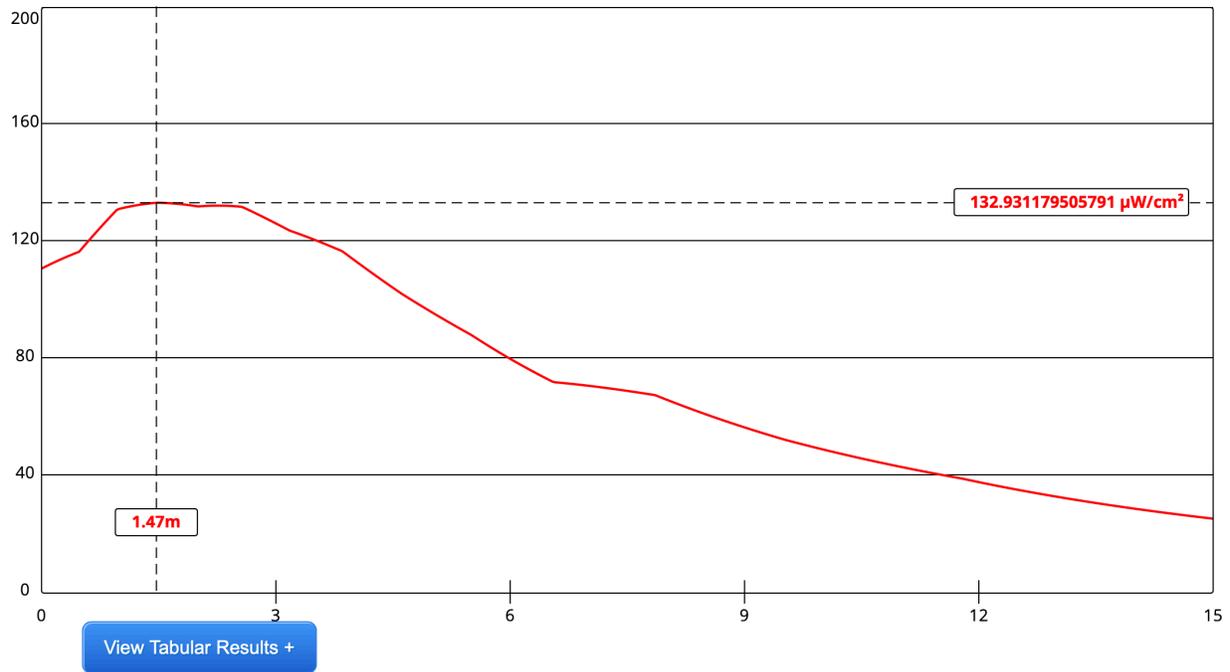


Channel Selection	Channel 252 (98.3 MHz)		
Antenna Type +	EPA Type 1: Ring-and-Stub or "Other"		
Height (m)	11	Distance (m)	15
ERP-H (W)	100	ERP-V (W)	100
Num of Elements	1	λ	1
Num of Points	500	Apply	

Maximum exposure at ground level is 49.6 uW/cm² at a distance of 2.4 meters from the antenna, a figure slightly less than 1/4 of the maximum set forth in OET bulletin 65.



Exhibit 2 demonstrates RF radiation received under general population guidelines at the level of the residential unit.

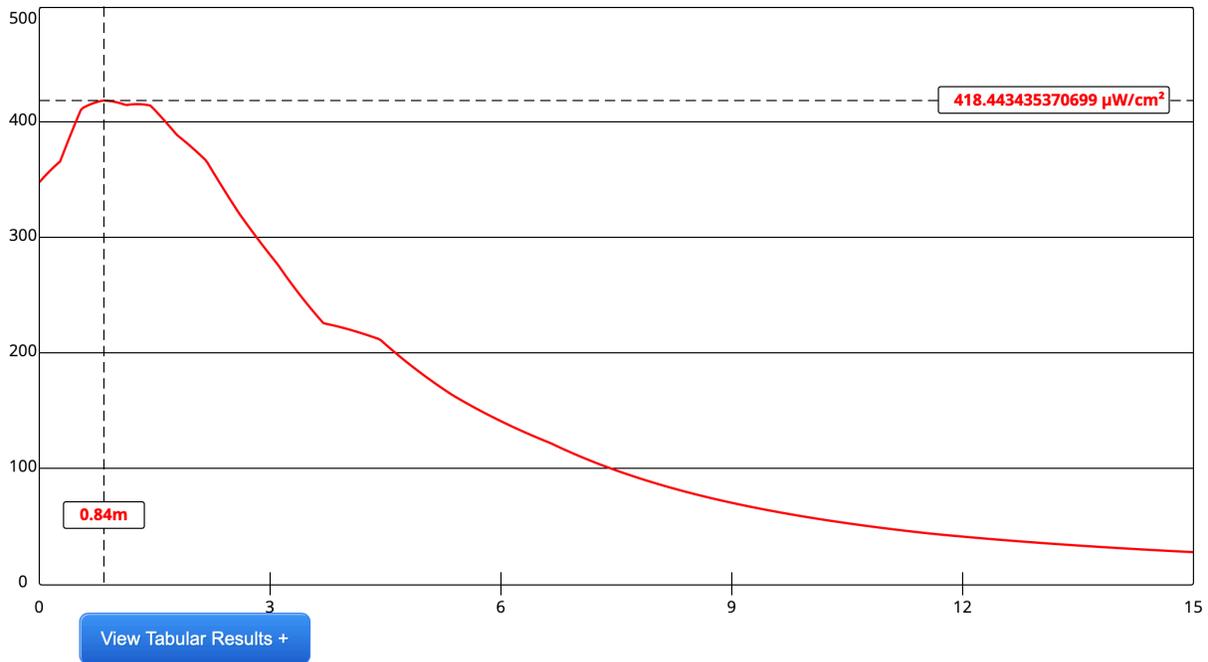


Channel Selection	Channel 252 (98.3 MHz)		
Antenna Type +	EPA Type 1: Ring-and-Stub or "Other"		
Height (m)	7.5	Distance (m)	15
ERP-H (W)	100	ERP-V (W)	100
Num of Elements	1	λ	1
Num of Points	500	Apply	

Maximum exposure at the residential level is 132.9 $\mu\text{W}/\text{cm}^2$ at a distance of 1.47 meters from the antenna, a figure that does not exceed the 200 $\mu\text{W}/\text{cm}^2$ general population exposure standard.

Applicant also notes that the third floor of the main residential building is within the aperture of the antenna and located 28 ft (8.5 meter) from it. Subsequent re-calculation to adjust for this configuration produced expected RF radiation levels of 55 $\mu\text{W}/\text{cm}^2$ at the nearest wall of the residential area.

Exhibit 3 demonstrates levels of RF radiation received in the attic/storage transmitter room under occupational exposure guidelines.



[View Tabular Results +](#)

Channel Selection	Channel 252 (98.3 MHz)		
Antenna Type +	EPA Type 1: Ring-and-Stub or "Other"		
Height (m)	5.1	Distance (m)	15
ERP-H (W)	100	ERP-V (W)	100
Num of Elements	1	λ	1
Num of Points	500	Apply	



Station employees working in the transmitter room will be exposed to a maximum RF radiation level of 418.4 uW/cm². This level exceeds the general population exposure standard but falls within the permissible exposure limits for occupational/controlled spaces. Applicant will insure that suitable warning placards are installed and that the transmitter is secured and inaccessible to the general public at all times when the station is in operation.

It is noted that the area within the transmitter room where exposure exceeds the general population limit is quite small, approximately 3 meters at the end of the building where the antenna will be mounted. To the extent possible applicant will position equipment away from this area in order to limit exposure to station personnel.