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# *Bellevue, FL - WYFZ(FM)*

## *Compliance with Radiofrequency Radiation Guidelines*

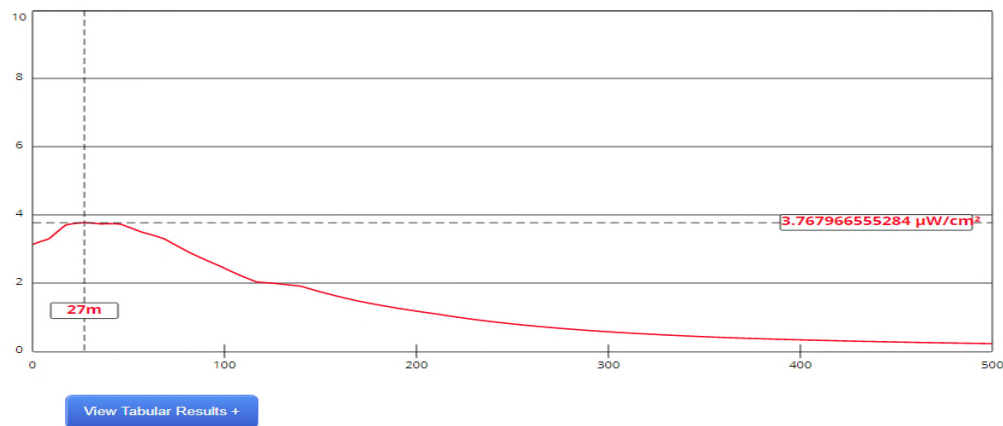
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**Explanation of Study.** The proposed facility complies with the maximum permissible radiofrequency electromagnetic exposure limits for controlled and uncontrolled environments as set forth under §1.1310 of the Commission's rules and the guidelines for RF radiation protection guidelines as set forth in OET Bulletin No. 65 (Edition 97-01), and the accompanying Supplement A, (Edition 97-01). The site is intended to house multiple transmitters.

Concerning FM contributions, the potential for human exposure to non-ionizing radiofrequency radiation has been evaluated with regard to §1.1310 utilizing the Commission's own *FM Model* web-based software application. The use and implementation of this FCC sanctioned software is a matter of record before the Commission. To ensure complete protection, each maximum FM contribution has been assumed without regard to any restricted access fencing distance. The maximum permissible uncontrolled limit for FM stations is  $200 \mu\text{W}/\text{cm}^2$ . The maximum permissible controlled limit is  $1000 \mu\text{W}/\text{cm}^2$ . Therefore, total site contributions of  $\leq 200 \mu\text{W}/\text{cm}^2$  remain within the tolerances as allowed by §1.1310 and its governing OET Bulletin No. 65 (Edition 97-01) for the more restrictive of either two protections.

**Summary of Stations.** The corrected WYFZ(FM) - Bellevue, FL analog FM station (Facility ID: 76441) will operate on CH217A (91.3 MHz) with 0.9 kW ERP circular polarization (H&V). The antenna COR is mounted 100 meters above ground level (AGL). For purposes of RF Compliance, a worst case one (1) bay, EPA Type 1 element as defined by the Commission's own FM Model - Appendix B (issued March 31, 2016) may be assumed. This facility will not operate with HD/IBOC facilities at this time.

The results of the evaluation for each FM station have been shown at the end of this RF compliance discussion. To ensure complete protection, the maximum FM contribution has been assumed without regard to any restricted access fencing distance. In addition, the facility is, or will be, properly marked with signs. Entry is, or will be, restricted by means of fencing with locked doors or gates. Furthermore, coordination with other users of the site will be secured to reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.



Channel Selection	Channel 217 (91.3 MHz) ▾		
Antenna Type +	EPA Type 1: Ring-and-Stub or "Other" ▾		
Height (m)	100	Distance (m)	500
ERP-H (W)	900	ERP-V (W)	900
Num of Elements	1	Element Spacing (λ)	1
Num of Points	500	<b>Apply</b>	