

The potential for human exposure to non-ionizing radiofrequency radiation at the proposed transmitter site has been evaluated. There is one other known broadcast facilities within 315 meters of the proposed antenna site for the proposed station serving Dasher, GA, WQPW.

The second page of this exhibit shows the evaluation of FMModel for WQPW, giving maximum of  $4.66 \frac{\mu W}{cm^2}$ .

The new facility will operate on 89.7 MHz with a worst case maximum effective radiated power (ERP) of 49.5 kW in both Horizontal and Vertical. The facility will operate with a six (6) element directional antenna mounted 19 meters above ground level (AGL). For purposes of this study, a worst case 6 bay, EPA Type 1 element antenna as defined from FCC program FM Model Version has been assumed

The result of the evaluation with FMModel<sup>1</sup> for this proposed station is included on the last page of this exhibit. It shows that the maximum potential exposure from this proposed station will be  $164 \frac{\mu W}{cm^2}$  at a distance of approximately 19 meters from the tower site. This added with the additional radiation from WQPW is less than the  $200 \frac{\mu W}{cm^2}$  that is acceptable for exposure to the general public.

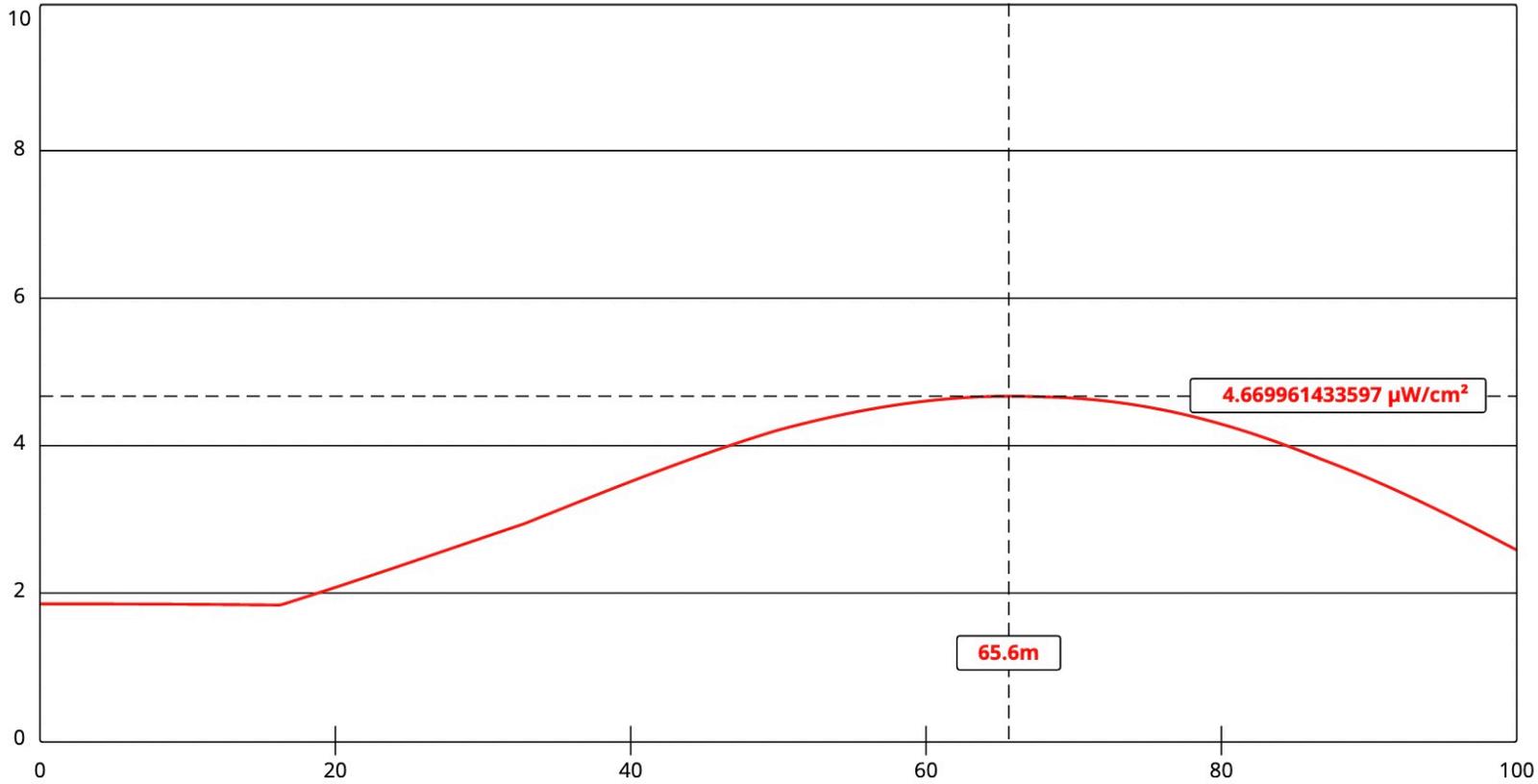
In addition to the protection afforded by the proposed antenna heights above ground, the facility is properly marked with signs, and entry to the facility is restricted by means of fencing with locked doors and/or gates. Any other means that may be required to protect employees and the general public will be employed.

In the event work is required in proximity to the antenna(s) such that the person or persons working in the area will be potentially exposed to fields in excess of the current guidelines, applicant will cause their proposed transmitter to reduce power, or cease operation during the critical period.

---

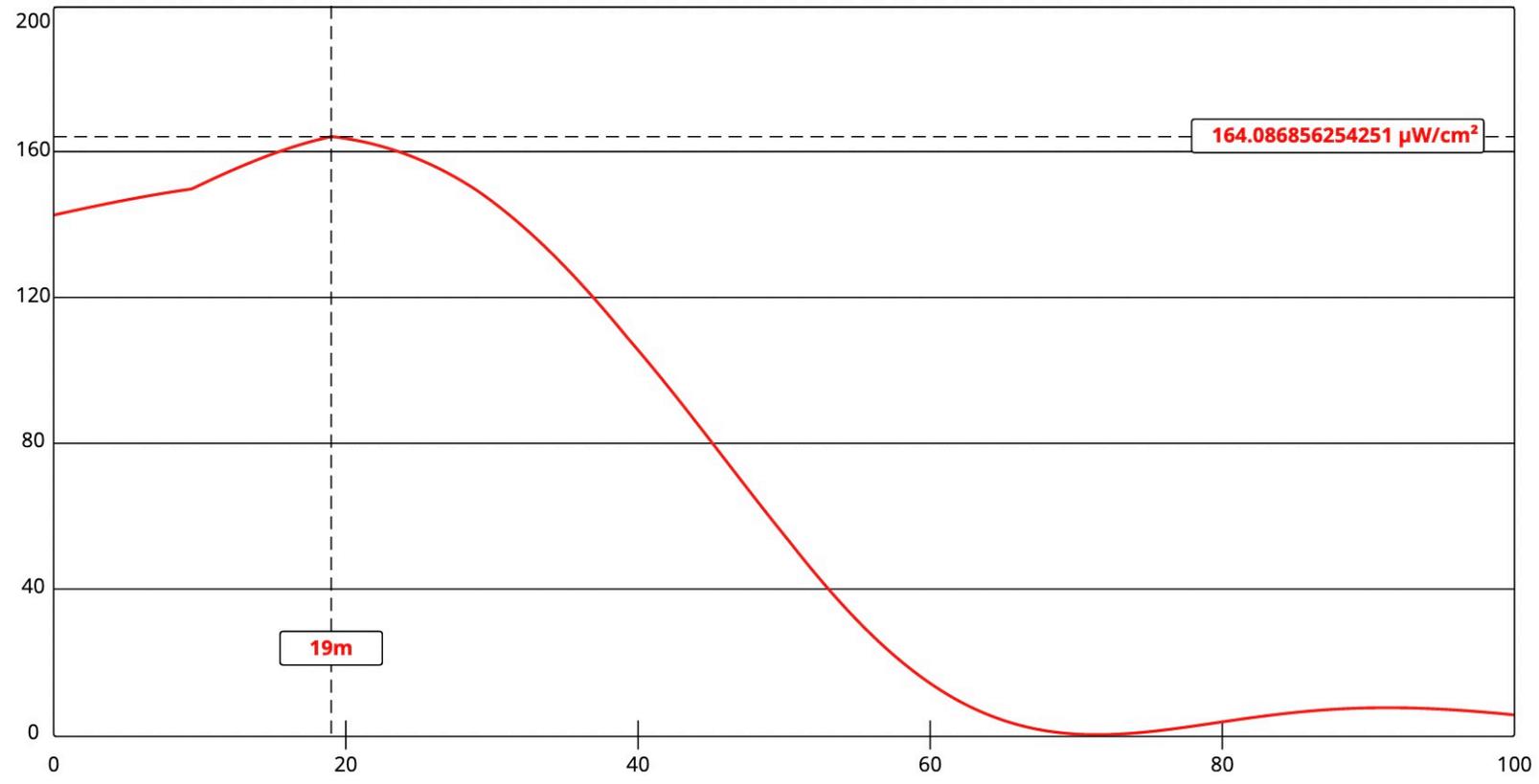
<sup>1</sup><https://www.fcc.gov/general/fm-model>

▼ Show More....



View Tabular Results +

Channel Selection	Channel 248 (97.5 MHz) ▼		
Antenna Type +	EPA Type 3: Opposed U Dipole ▼		
Height (m)	<input type="text" value="188.1"/>	Distance (m)	<input type="text" value="100"/>
ERP-H (W)	<input type="text" value="32000"/>	ERP-V (W)	<input type="text" value="32000"/>
Num of Elements	<input type="text" value="5"/>	Element Spacing ( $\lambda$ )	<input type="text" value="1"/>
Num of Points	<input type="text" value="500"/>	<input type="button" value="Apply"/>	



[View Tabular Results +](#)

Channel Selection	Channel 209 (89.7 MHz) ▾		
Antenna Type +	EPA Type 1: Ring-and-Stub or "Other" ▾		
Height (m)	<input type="text" value="110"/>	Distance (m)	<input type="text" value="100"/>
ERP-H (W)	<input type="text" value="49500"/>	ERP-V (W)	<input type="text" value="49500"/>
Num of Elements	<input type="text" value="6"/>	Element Spacing (λ)	<input type="text" value="1"/>
Num of Points	<input type="text" value="500"/>	<input type="button" value="Apply"/>	