The potential for human exposure to non-ionizing radiofrequency radiation at the proposed transmitter site has been evaluated. There are no other known broadcast facilities within 315 meters of the proposed antenna site for proposed NEW CH219C2 FM operation serving Daleville, AL.
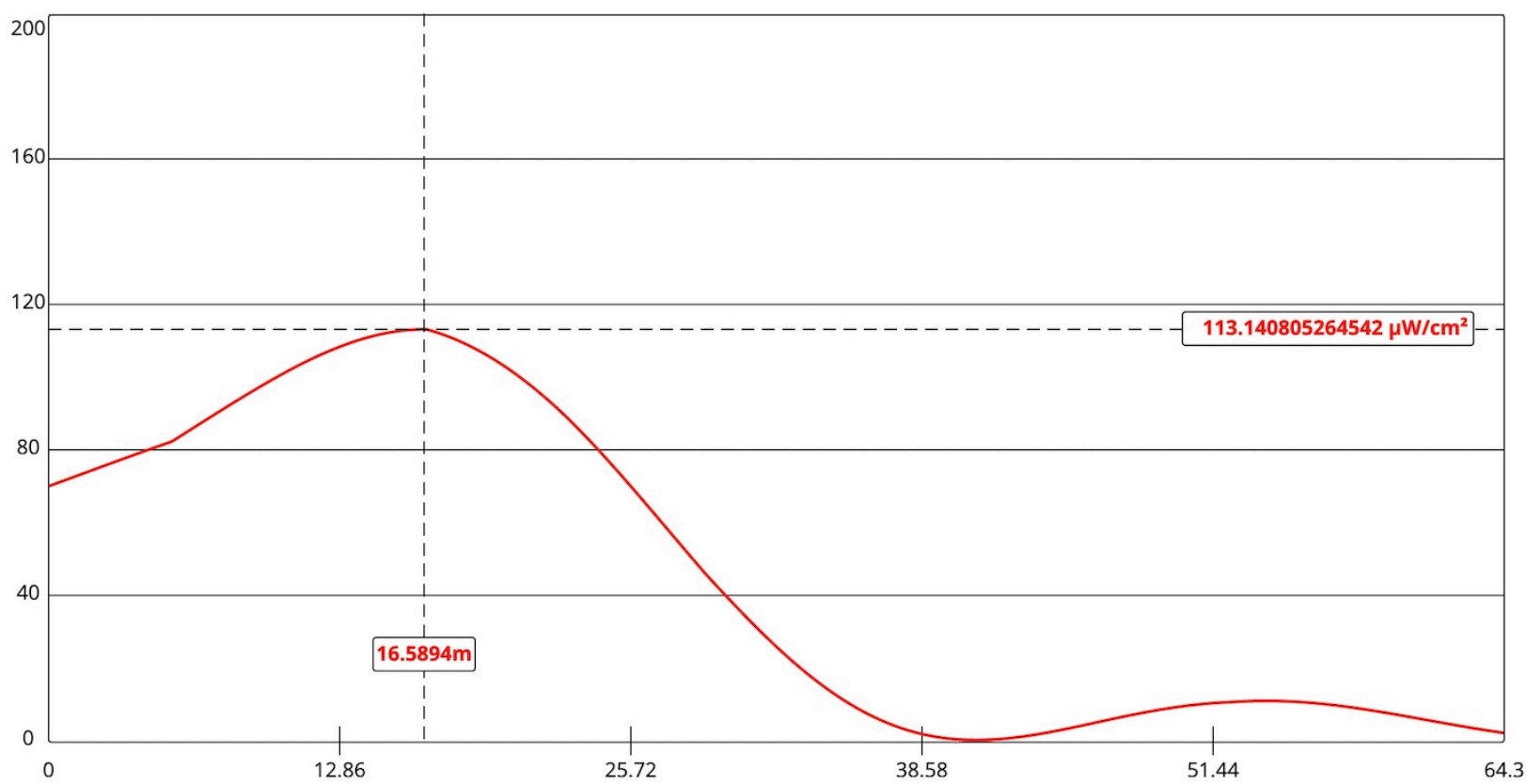
The NEW CH219C2 facility will operate on 91.7 MHz with a maximum effective radiated power (ERP) of 50.0 kW in both Horizontal and Vertical. The facility will operate with a fully spaced six (6) element directional Dielectric DCR-S antenna mounted 64.3 meters above ground level (AGL)

The result of the evaluation with FMModel[1] 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 113 $\frac{\mu W}{cm^2}$ at a distance of approximately 16.6 meters from the tower site. This 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.

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[1]https://www.fcc.gov/general/fm-model

113.140805264542 µW/cm²

16.5894m

View Tabular Results +

Channel Selection	Channel 219 (91.7 MHz) ∨		
Antenna Type +	EPA Type 5: Three-Piece or Four-Piece Spiral ∨		
Height (m)	64.3	Distance (m)	64.3
ERP-H (W)	50000	ERP-V (W)	50000
Num of Elements	6	Element Spacing (λ)	1
Num of Points	500	**Apply**	