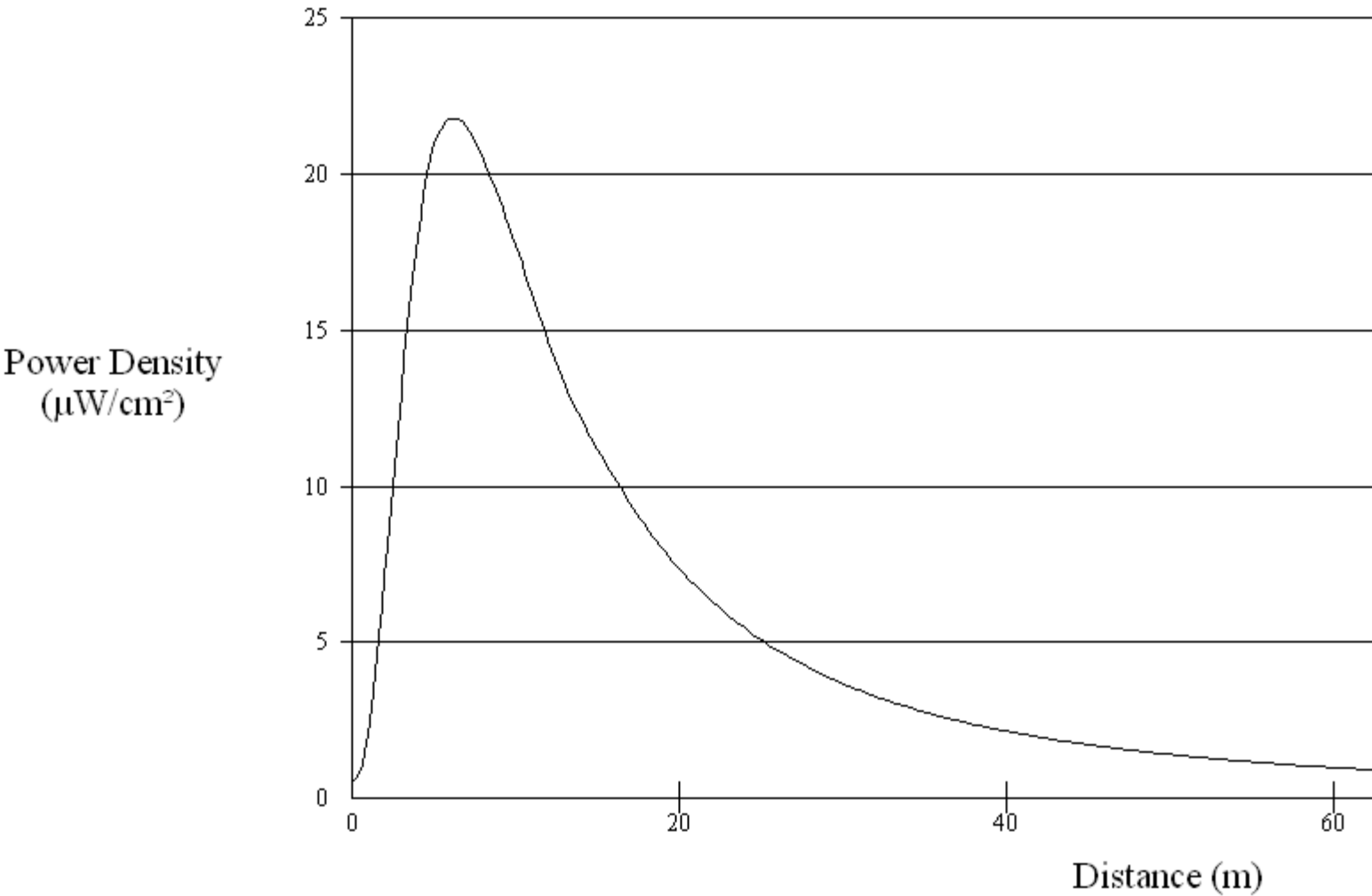


Power Density vs Distance



Office of Engineering and Technology

Distance (m):	<input type="text" value="100"/>	Antenna Type:	<input type="text" value="Shively 6810"/>
Horizontal ERP (W):	<input type="text" value="55"/>	Number of Elements:	<input type="text" value="1"/>
Vertical ERP (W):	<input type="text" value="55"/>	Element Spacing:	<input type="text" value="1"/>
Antenna Height (m):	<input type="text" value="8"/>		

Antenna Height is 10m AGL with 2m subtracted for this calculation resulting in 8m AGL being listed above. Result is 0.022 mW/sq. cm which is 11% of the allowable.