

<b>Savi Technology</b>								
<b>FCC ID: KL7-RELAY-V2</b>						<b>Calculate mW/cm2 here. Enter frequen</b>		
<b>RF Hazard Distance Calculation</b>						<b>Calculation of Limits from 1.1310 Tabl</b>		
<b>mW/cm2 from Table1:</b>	<b>1.00</b>				<b>F(MHz)</b>	<b>Actual F, MHz</b>		
					0.3-3	1		
<b>Max RF Powe</b>	<b>TX Antenna</b>	<b>MPE</b>			3.0 - 30.0	30		
<b>P, dBm</b>	<b>G, dBi</b>	<b>Safe Distance, cm</b>			<b>30.0-300</b>	<b>20</b>		
					300-1500	869		
<b>18.1</b>	<b>8.0</b>	<b>5.7</b>			1500-100000	1500		
					<b>Enter P(watts</b>	<b>Equivalent d</b>	<b>Enter dBm</b>	
<b>Basis of Calculations:</b>					<b>4</b>	<b>36.0</b>	<b>36.0</b>	
$E^2/3770 = S, \text{ mW/cm}^2$								
$E, \text{ V/m} = (P\text{watts} * G\text{gain} * 30)^{.5} / d, \text{ meters}$								
$d = ((P\text{watts} * G * 30) / 3770 * S)^{.5}$ $P\text{watts} * G\text{gain} = 10^{(P\text{dBm} - 30 + G\text{dBi}) / 10}$								
<b>NOTE: For mobile or fixed location transmitters, minimum separation distance is 20 cm,</b>								
<b>even if calculations indicate MPE distance is less</b>								

<b>Frequency in MHz:</b>		
Example 1		
Controlled	Uncontrolled	
Ave 6 min	Ave 30 min	
Occ, mW/cm <sup>2</sup>	Gen, mW/cm <sup>2</sup>	
100.0	100.0	
30.0	6.0	
<b>1.0</b>	<b>0.2</b>	
2.9	0.58	
5.0	1.0	
Equivalent Watts		
4.0		