

<b>Alvarion MPE Calculation</b>					
<b>FCC ID: LKT-ASU-900</b>					
<b>RF Hazard Distance Calculation</b>					
<b>mW/cm2 from Table1:</b>		<b>0.60</b>			
Max RF Power	TX Antenna	MPE	Cable	Model	POWER INDEX
P, dBm	G, dBi	Safe Distance, cm			
<b>23.3</b>	<b>14.6</b>	<b>28.6</b>	1ftSMA/N cabl	900CX	22 dBm
<b>22.4</b>	<b>14.6</b>	<b>25.8</b>	5ft LMR400	900CX	23 dBm
<b>20.6</b>	<b>14.6</b>	<b>21.0</b>	100ft LMR 400	900CX	24 dBm
<b>24.5</b>	<b>14.6</b>	<b>32.8</b>	1ftSMA/N cabl	SUI	24/24*
<b>23.6</b>	<b>14.6</b>	<b>29.6</b>	10ft LMR 400	SUI	25/24*
					*attn/pwr
<b>Basis of Calculations:</b>					
$E^2/3770 = S, \text{ mW/cm}^2$					
$E, \text{ V/m} = (Pwatts * Ggain * 30)^{.5} / d, \text{ meters}$					
$d = ((Pwatts * G * 30) / 3770 * S)^{.5}$			$Pwatts * Ggain = 10^{(Pd\text{Bm} - 30 + Gd\text{Bi}) / 10}$		
<b>NOTE: For mobile or fixed location transmitters, minimum separation distance is 20 cm, even if calculations indicate MPE distance is less</b>					