

## MPE Calculations for Airgo 1200AP

FCC ID: SA3-AGN1202AP0000

Antenna	Slant dist. cm	Slant dist. m	E- field, V/m	Calculated mW/cm <sup>2</sup>	TX antenna at location
1-d1 dist:	23.1	0.231	12.0	0.03847	2.4 GHz
2-d1 dist:	20.7	0.207	13.4	0.04791	2.4 GHz
3-d1 dist:	23.1	0.207	15.3	0.06240	5 GHz
4-d1 dist:	20.7	0.231	13.7	0.05011	5 GHz
<b>Total at 20 cm from d1:</b>				<b>0.19889</b>	<b>mW/cm<sup>2</sup></b>

1-d2 dist:	22.7	0.227	12.3	0.03982	2.4 GHz
2-d2 dist:	20.6	0.206	13.5	0.04859	2.4 GHz
3-d2 dist:	21.0	0.210	15.2	0.06090	5 GHz
4-d2 dist:	23.5	0.235	13.5	0.04861	5.GHz
<b>Total at 20cm from d2:</b>				<b>0.19791</b>	<b>mW/cm<sup>2</sup></b>

1-d3 dist:	26.2	0.262	10.6	0.02980	2.4 GHz
2-d3 dist:	22.8	0.228	12.2	0.03941	2.4 GHz
3-d3 dist:	20.0	0.200	15.9	0.06684	5 GHz
4-d3 dist:	20.9	0.209	15.2	0.06132	5 GHz
<b>Total at 20cm from d3:</b>				<b>0.19737</b>	<b>mW/cm<sup>2</sup></b>

1-d4 dist:	28.3	0.283	9.8	0.02566	2.4 GHz
2-d4 dist:	24.4	0.244	11.4	0.03445	2.4 GHz
3-d4 dist:	20.2	0.202	15.7	0.06537	5 GHz
4-d4 dist:	20.2	0.202	15.7	0.06537	5 GHz
<b>Total at 20 cm from d4::</b>				<b>0.19086</b>	<b>mW/cm<sup>2</sup></b>