

**Table 28 Radiofrequency Radiation Levels Associated with Adverse Neurological Symptoms, Cardiac Problems and Increased Cancer Risk (chronic exposure above 0.05- 0.1 uW/cm<sup>2</sup>) Kitchen at 28" One Meter and Four Meters**

As reported in Khurana et al, 2010 in the International Journal of Environmental Occupational Health 16:263-267; Kundi and Hutter, 2009, Pathophysiology 16: 123-135 and the BioInitiative Report, 2007, Chapters 1 and 17.

<b>One Meter</b>	<b>Table A33</b>	<b>Table A34</b>	<b>Table A35</b>	<b>Table A36</b>
Duty Cycle	60% Reflection	100% Reflection	1000% Reflection	2000% Reflection
1%	0.2	0.3	10.2	37.3
5%	1.1	1.7	51.1	186
10%	2.2	3.4	102	373
20%	4.3	6.8	204	745
30%	6.5	10.1	307	1118
40%	8.7	13.5	409	1490
50%	10.8	16.9	511	1863
60%	13	20.3	613	2235
70%	15.1	23.7	716	2608
80%	17.3	27	818	2980
90%	19.5	30.4	920	3353
100%	21.6	33.8	1022	3726

  

<b>Four Meters</b>	<b>Table A37</b>	<b>Table A38</b>	<b>Table A39</b>	<b>Table A40</b>
Duty Cycle	60% Reflection	100% Reflection	100% Reflection	2000% Reflection
1%	0.6	0.9	26	94.6
5%	2.8	4.3	129	473
10%	5.5	8.6	260	946
20%	11	17.2	519	1892
30%	16.5	25.7	779	2837
40%	22	34.3	1038	3783
50%	27.5	42.9	1298	4729
60%	32.9	51.5	1557	5675
70%	38.4	60.1	1817	6621
80%	43.9	68.6	2076	7566
90%	49.4	77.2	2336	8512
100%	54.9	85.8	2595	9458

Exceeds 0.1 uW/cm<sup>2</sup>

All exposure levels exceed those identified in Khurana et al, 2010; Kundi and Hutter, 2009 and the BioInitiative Report (2007) to be associated with increased risk of adverse neurological symptoms (headache, sleep disruption, restlessness, tremor, cognitive impairment tinnitus), increased cancer risk or heart problems, arrhythmias, altered heart rhythm, palpitations. These effects are reported in studies of populations living at distances < 500 meters from base stations, and at levels at or over 0.05-0.1 uW/cm<sup>2</sup>, but not at RF levels below chronic RF exposure levels of 0.05 - 0.1 uW/cm<sup>2</sup> in healthy populations.

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