

General Public Levels	Frequency MHz	E field V/m	Power W/m <sup>2</sup>	Power μW/cm <sup>2</sup>
<b>NRPB, 1993</b> (old UK Investigation Levels to June 2000) Now ICNIRP at 900 & 1800 (TETRA is at 400).	400 900 1800	100 112 194	26.4 33 100	2640 3300 10000
<b>FCC OET65:1997-01</b> (USA) <i>based on NCRP report No. 86</i>	900 1800	47 61	6 10	600 1000
<b>Canadian Safety Code 6 (SC6)</b> 1993	900 1800	47 61	6 10	600 1000
<b>ICNIRP, 1998</b> (recognised by WHO) <b>CENELEC, 1995</b> (EU)	400 900 1800	28 41 58	2.1 4.5 9	208 450 900
<b>Australia 1988</b> ( <i>under review</i> )	900 / 1800	27	2	200
Two USA research bases (1995)	30 - 100000	19	1	100
<b>Poland</b> (intermediate zone occup.) (safety zone)	300 - 300000	19 6	1 0.1	100 10
<b>Russia 1988 &amp; China</b> (gen. public)	300 - 300000	6	0.1	10
<b>Italy, Decree 381</b> (1999)	30 - 30000	6	0.1	10
<b>Toronto Health Board</b> 2000, <i>proposal based on SC6/100</i>	900 1800	5 6	0.06 0.1	6 10
<b>Swiss Ordinance ORNI</b> ( <i>for base stations</i> ) From 1st. Feb. 2000	900 1800	4 6	<i>not specified</i>	<i>not specified</i>
<b>Luxembourg</b> (2001, <i>to be confirmed</i> )	900 & 1800	3	?	?
<b>EU &amp; UK EMC Regulations equipment</b> Suscept test level (domestic & comm.)	30 - 2000	3 <i>any signal</i>	<i>not specified</i>	<i>not specified</i>
Typical max in public areas near base station masts ( <b>can be much higher</b> )	900 & 1800	2	0.01	1
<b>City of Salzburg</b> (Austria, 2000)	900 & 1800	0.6	0.001	0.1
Estimated Avg. US exposure (EPA 1980) Typical City Dweller (FCC 1999)	approx 30 - 300000	< 0.13 < 2	< 0.00005 < 0.01	< 0.005 < 1
Broadband 'natural' background	300 - 3000	< 0.00003	< 0.0000001	< 0.000001

1. Tetra uses Microwaves(1)
2. Microwaves use less air space than radio waves and penetrate buildings easier.
3. My earliest account of microwave illness is from the deliberate micro waving of the US Embassy in Moscow from 1953-1979. Professor J R Goldsmith wrote the report on this irradiation(2)  
  
When published(3) it showed increased Leukaemia's on Embassy staff(4) both adult and children.
4. My training with the military was emphatic in the dangers of microwave exposure at all levels.
5. I was not surprised at Prof. Goldsmith's report.
6. Even less of a surprise is the anecdotal evidence of residents living close to or facing microwave communications base stations(5) Clusters of illnesses/cancers seemed commensurate with proximity to microwave transmitters.
7. Likewise in Spain(6)
8. 138 International Schools(7) and 165 fatal cancers in Osafia(8)
9. It seems this problem is everywhere in the developed world.
10. Most endemic illness clusters are initially reported as anecdotal evidence. Only later eg: smoking to be confirmed by statistics.
11. The document of the NRPB(04) states 'account would be taken not only of peer reviewed papers but also of non-peer reviewed and anecdotal evidence'(9)
12. German Physicians launched the Freiburger Appeal to warn about rising illnesses/disorders, stating 'we hold the current mobile communications technology...to be among.....the trigger....for this fatal development(10a/b)
13. Scientists such as Wolf(11 a/b) and Eger(12) confirm this by experiment
14. Some doctors refuted the 'There is no proof' explanation and went public over the intransigence of their Government's attitude and/or denial from the industry of causing illnesses(13/14)
15. Our safety levels(15) based on how warm you get are refuted by the late Prof. Goldsmith who stated 'to use the lack of significant heating effect as evidence of lack of risk is the red herring'(16)
16. Interestingly the US warns their own service personnel about microwaves as far back as the 70's(17)

17. Doctor Ian Gibson, Chair of the Commons Science and Technology Committee(18) and Ex-Minister for the Environment Michael Meacher have openly criticized Government and its research with respect to the favouritism shown to the Communications industry(19). This is re-enforced in the Science and Technology section of the Ecologist(20)
18. The late Prof. Cherry's report(21) to five Parliaments recommended a safety level of 0.01 units(22) to avoid a complex array of illnesses and death from long-term exposure. Our safety level for a 400 MHz Tetra Transmitter is approximately 264,000 times above this.
19. Police Officers reported illnesses from Tetra before my Report was released. Hence no psychosomatic claims can be made(23). Similarly residents of Drumcarrow (re: the reported dozen cases of Motor Neurone Disease and Parkinson's)(24) and the 92 illnesses in Dersley (referenced in Hansard) claim that their illnesses preceded knowledge of their Tetra transmitters.
20. As the role out of Tetra progressed so did the reported illnesses from its transmitters.
21. A Chief Inspector, Officers and workers at a Police Station (+ 25 living nearby) complained of nosebleeds (especially children), disturbed sleep and skin problems(25)
22. Police were reported as 'preparing to sue their Chief Constable' from Tetra induced illnesses(26)
23. One Officer's death is blamed absolutely on Tetra by his brother, Doctor Dring(27)
24. The 64<sup>th</sup> Report of the House of Commons Public Accounts Committee quotes a variety of illnesses reported by Officers in their Police Magazine(28a/b)
25. A Mr & Mrs Watts kept a diary of ill health from the switching on of a Tetra transmitter closeby, the intransigence of the Authorities, to the point where Mrs Watts had to leave home. Over 20 symptoms were recorded including: metallic taste in the mouth (not the only time this has been recorded for Tetra)(29a/b/c/d)
26. Author J Griffiths reported this phenomenon of Tetra illnesses in the Ecologist(30/31)
27. The International Association of Firefighters Division of Occupational Health, Safety and Medicine(32) oppose the siting of microwave transmitters, because of their effect on the physical/mental health and the subsequent effect on the firefighter's response times(33)
28. Groups of MPs have tried to address these problems for their Constituents. Jan.04(34a/b) Mr Turner points to disagreement between ICNIRP and the NRPB on what output is safe! He asks 'does the Minister take account of people's bad health as a result of uncertainty on the long term effects of Tetra Masts?'

29. May 04 Mr Spring's constituents reported; Nausea, dizziness, headaches, nosebleeds(especially children), insomnia and behavioural changes from transmitters. The MP described them as sensible, rational people(35)
30. Mr Spring quoted a reported case of 11 children under 11 years old with Leukemia and 7 adults with Cancer all within ½ mile of transmitters(36)
31. Not two inches down the page another 11 Cancers are reported.
32. March 05 Mr Loughton "experts are seeking additional funding of some £300,000.....to conduct research on the likely effect of Tetra on children"(36)
33. "O<sub>2</sub> airwave has shown complete disregard for the concerns of local people....(37)
34. "All the undertakings from the Police Authority have proved worthless"....(38)
35. "Yet again the wishes of local people and local Councils are being ignored, bulldozed and treated with contempt by a Department-The Home Office- and by a multi-national big business, O<sub>2</sub> airwave, which stands to make millions"(39)
36. Mr Gibb (Concerning Tetra) "Some 350 householders were consulted, 68% of whom reported health problems(40). Further in this statement reference is made to health problems in Bognor, where residents did not know that the mast was on.
37. Could Pulsing from Tetra aggravate problems already reported from microwaves?
38. The Freiburger Appeal states:  
  
'One can no longer evade these pulsed microwaves. They heighten the risk of already present chemical/physical influences; stress the body's immune system and can bring the body's still functioning regulatory mechanisms to a halt'(41)
39. Doctor C W Selsam writes.....Pulsed high frequency electro-magnetic fields from mobile phone base stations...led to a new, previously unknown pattern of illnesses with a characteristic symptom complex(42)
40. The Health Council of the Netherlands writes: "In general the experimental data indicates that the effects of EM fields occur at lower power densities when the object is exposed to pulsed EM fields, compared with exposure to continuous fields(43a/b)
41. From a Scientific, not-legal standpoint. If I approach the Children's Act, which places a legal obligation on Local Authorities to protect children in their area against significant harm and abuse or the risk of.
42. The Children's Act stands apart from other legislation insomuch as the risk of harm does not have to be proven or to have taken place, but could be a likelihood or perceived risk.

43. My argument is that this proposed Tetra transmitter; with an estimated 1,500-2,000 properties, 3 schools, 3 day nurseries and numerous playgroups (approx. up to 2,000 children) within roughly a 1KM radius of this transmitter, is scientifically a risk to the children's health for all of the reasons previously stated.
44. It is interesting to note that the residents at Drumcarrow were 2KM from the mast.
45. No guarantees of safety can be given by airwave or Government Scientists. They write concerning Tetra: "However, there are limits to the reassurance that they can provide. In particular they do not exclude the possibility that RF from cellular phones might carry a risk of cancer that becomes manifest many years after first exposure. Or that relates to intense exposure over many years. Nor do they rule out a hazard from radiation modulated specifically at around 16Hz (44a/b)
46. It continues(44c) human volunteer studies should be carried out.....The Tetra system is expected to be deployed widely for use by staff in emergency services. This is a relatively stable workforce with defined patterns of work. It would be worth carrying out studies to examine working practices and conditions of exposure to RF radiation from Tetra systems.
47. This system is experimental. Knowing what we know now, could we honestly say without a shadow of doubt that there is not a perceived risk to children, if there is a perceived risk to the Police.

1436 Words