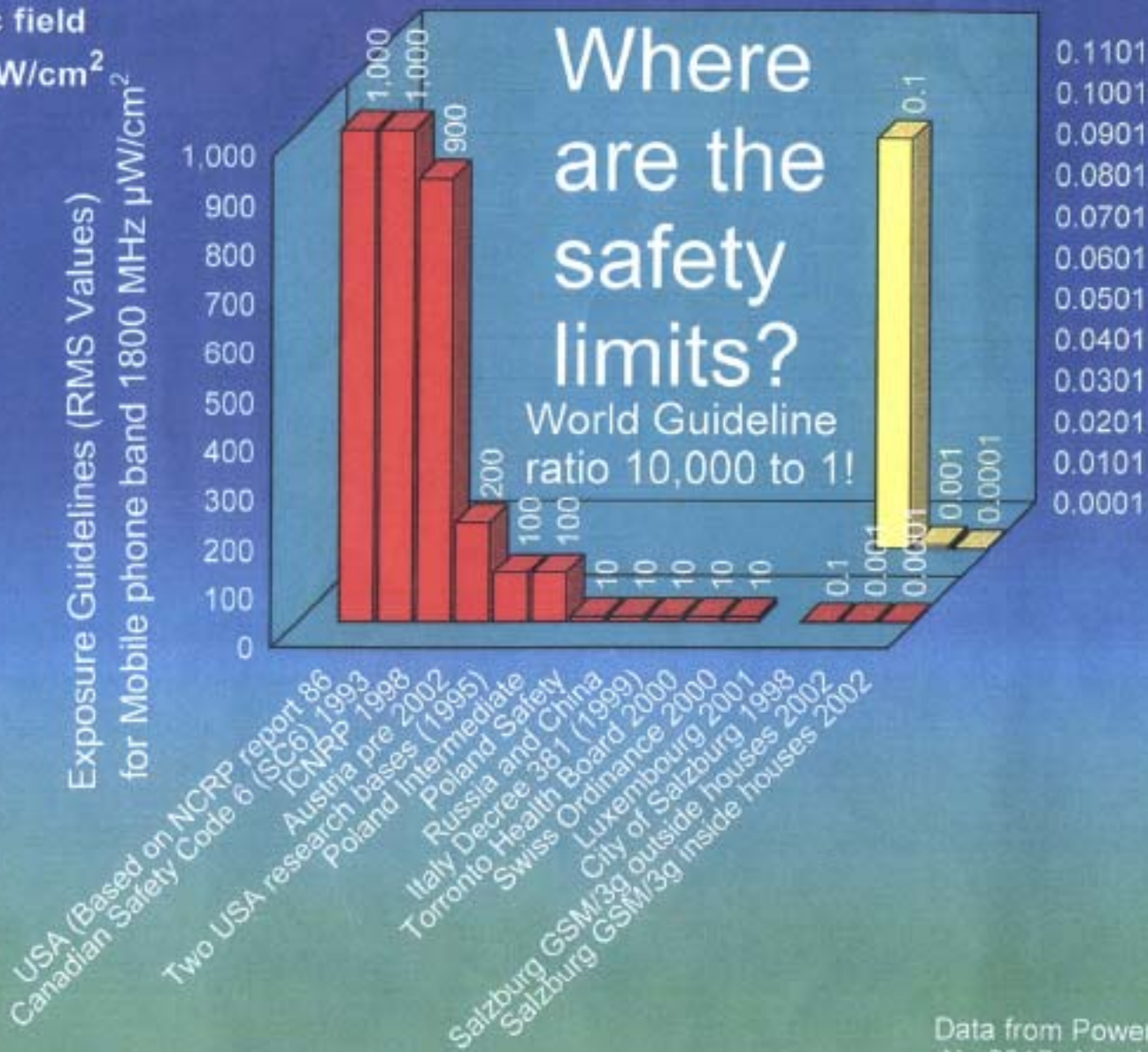


**REVIEW OF SOME CURRENT KNOWLEDGE
ON THE EFFECT ON PEOPLES HEALTH
OF TELEPHONE BASE STATION MAST RADIATION
THE PATH TOWARDS A SAFER LEVEL**

*This paper has been derived from the extensive and comprehensive files of research and information from around the world supplied mostly by SCRAM Sutton Coldfield Residents against unsuitable masts
Eileen OConnor and Lynn Insley*

"Guess" Exposure Guidelines (World Perspective)

Electromagnetic field strength units $\mu\text{W}/\text{cm}^2$

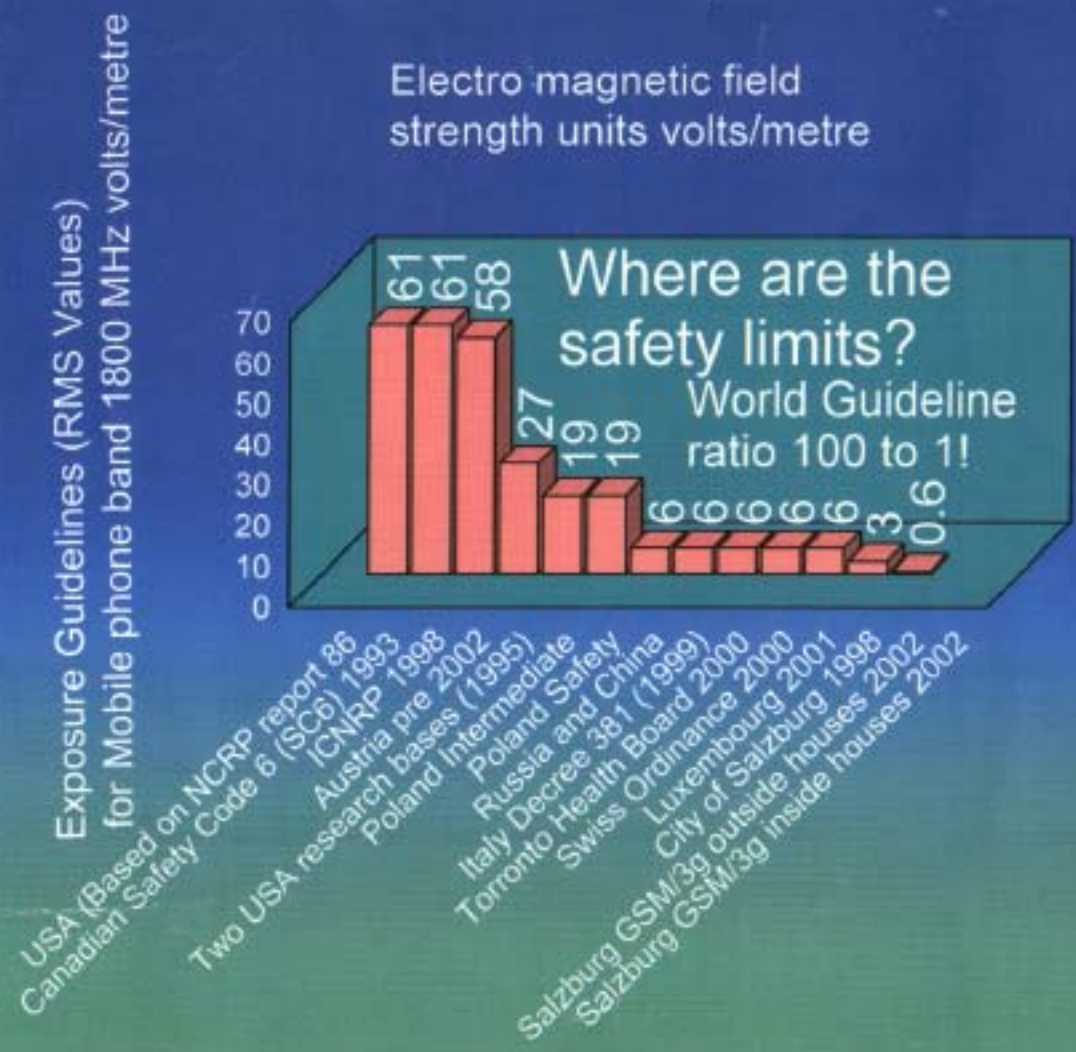


Exposure Guidelines (RMS Values)
for Mobile phone band 1800 MHz $\mu\text{W}/\text{cm}^2$
[Scale expanded for clarity]

Data from Power Watch Report
No 2217 Alasdair Phillips 11 July 2

Fig 1 General Public Levels

"Guess" Exposure Guidelines (World Perspective)



Data from Power Watch Report
No 2217 Alasdair Phillips 11 July 2002

Fig 2 General Public Levels

Percentage of Complaints

from radiated people compared to "unradiated" people
 Questionnaires to 530 people - (CHI-Square Test with Yates correction)

Reference

Santini et al Pathol Biol
 2002 : 369 -73)

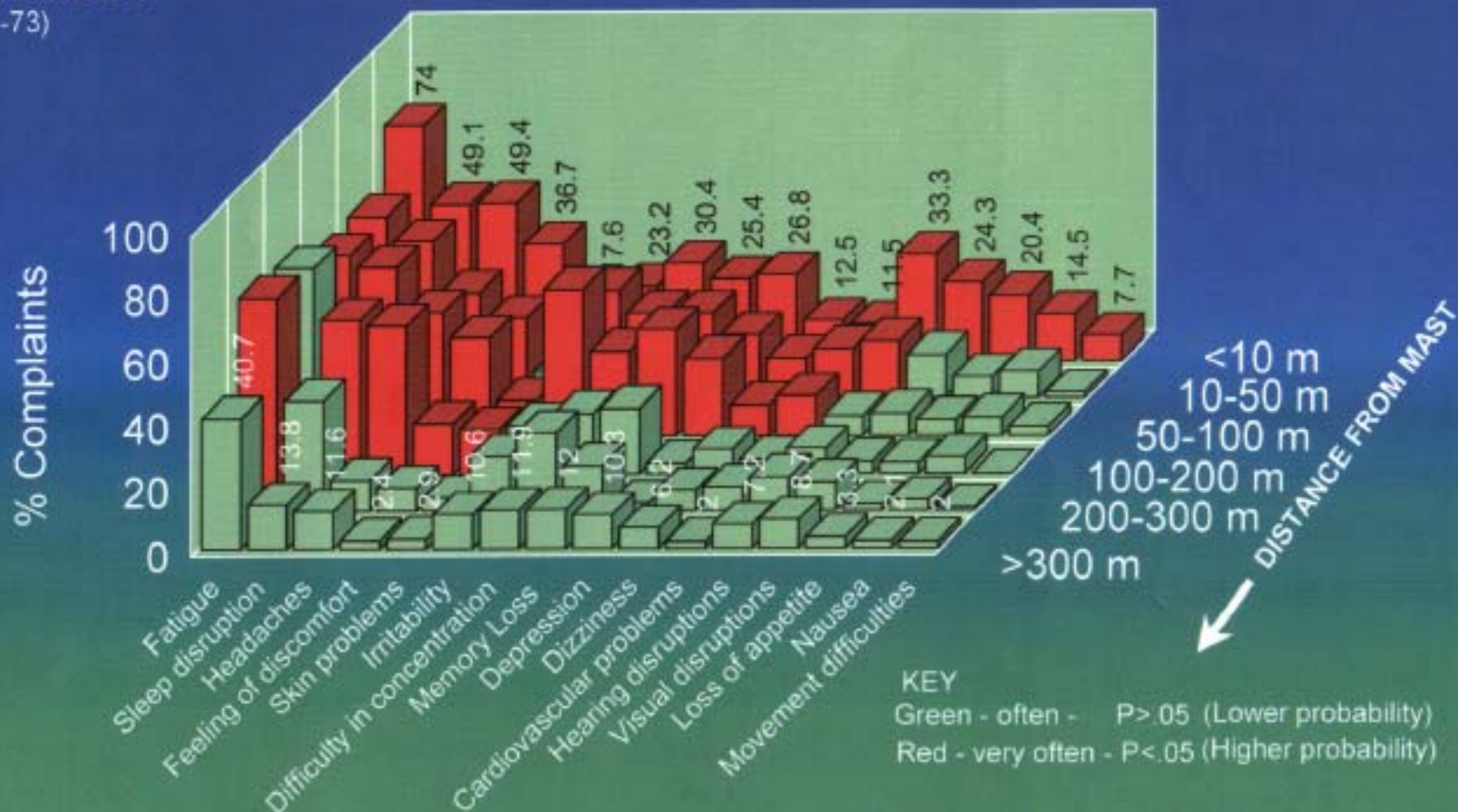


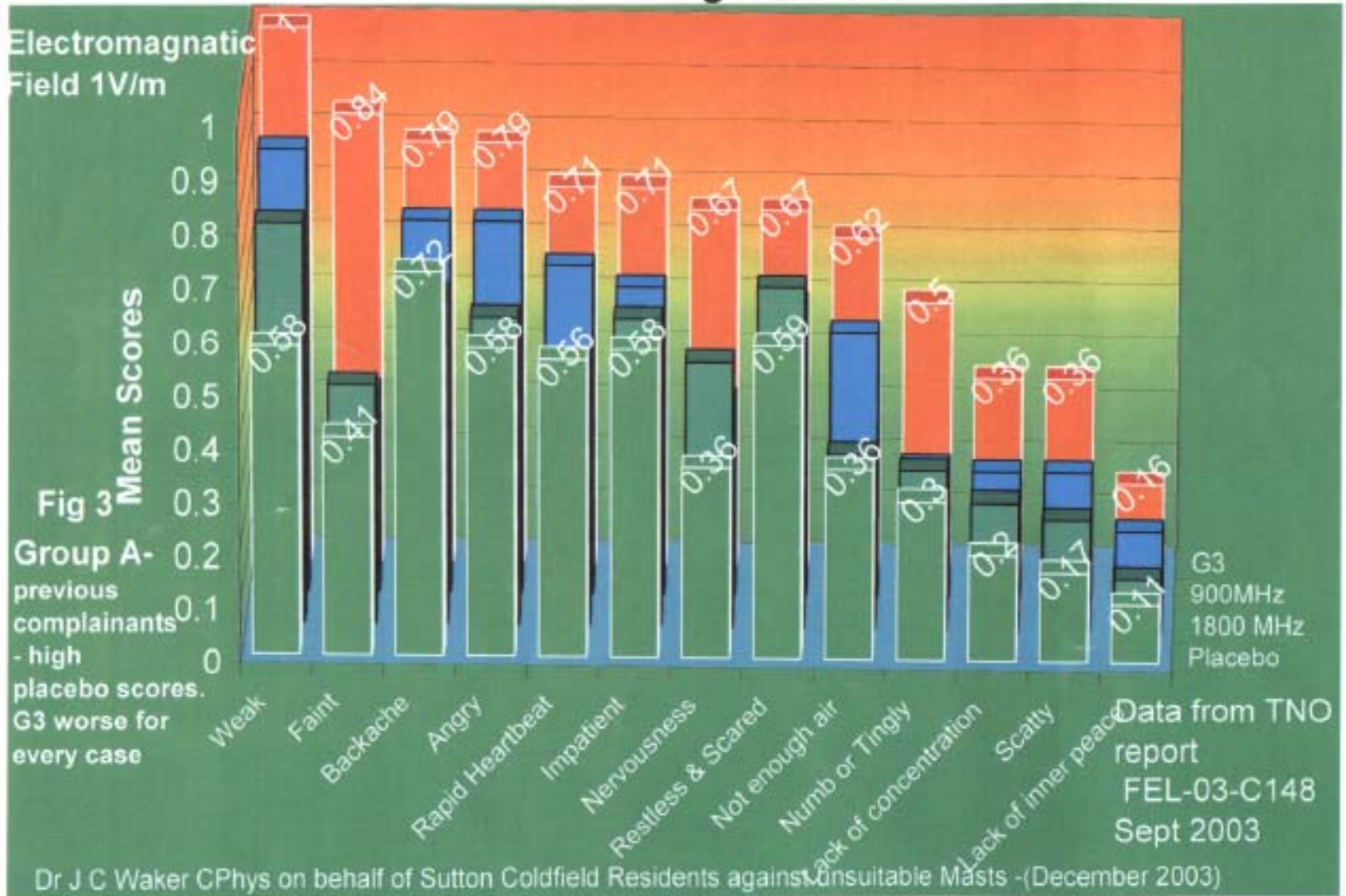
Fig 3

16 Non specific illnesses

Period <1 to >5 years

These figures are extracted from Santini's results for simplicity - averaged figures for clarity- illnesses reordered and probability levels coloured

Well Being Questionnaire

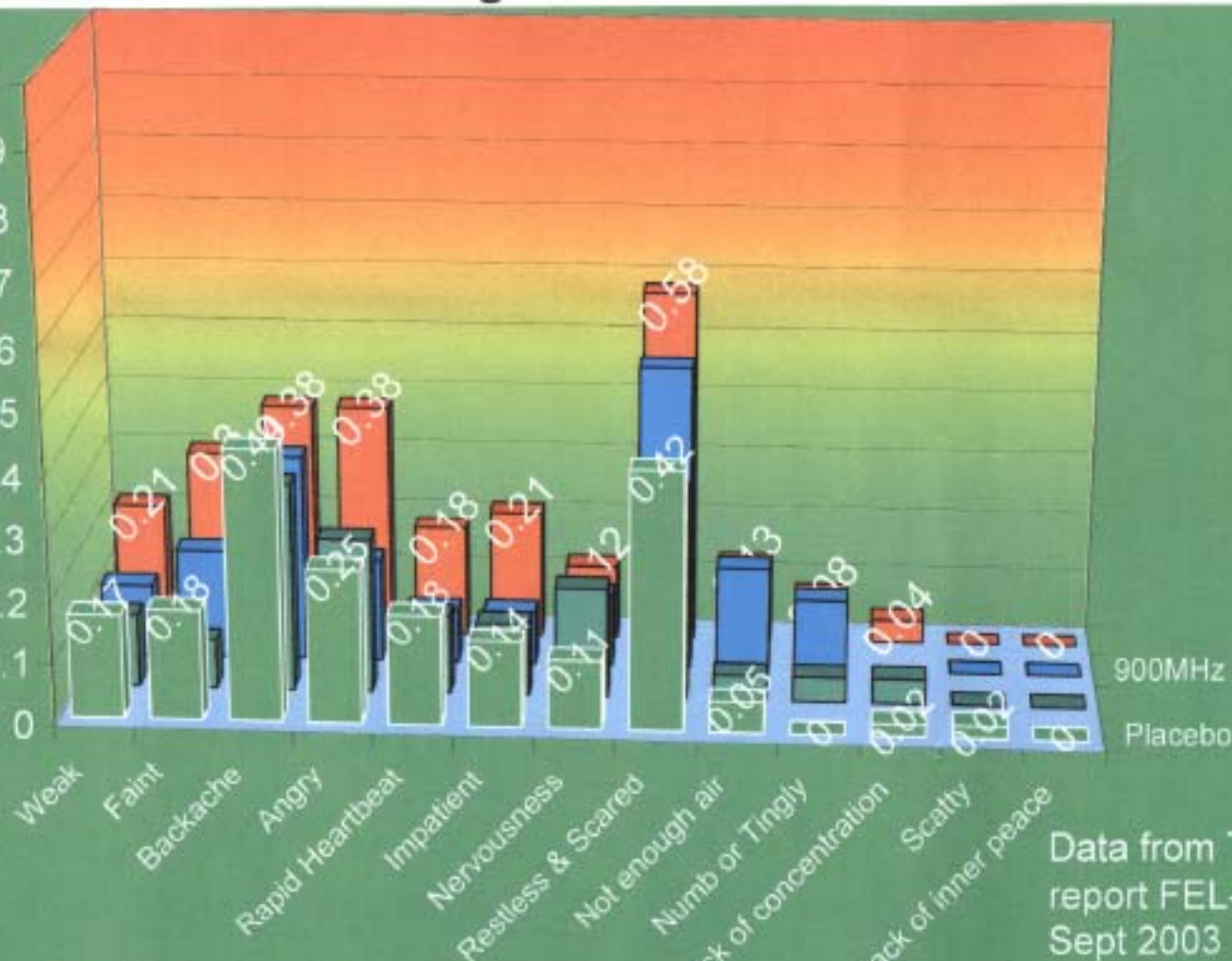


Well Being Questionnaire

Electromagnetic Field 1V/m

Mean scores

Fig 4
Group B- previous non complainants Generally low placebo scores except for Backache and Restless and Scared G3 worse in some cases



Data from TNO report FEL-03-C148 Sept 2003

Tetra	Low Frequency close to frequency in the brain.
G3	Good on frequencies, but waveform has a lot of sharp rise fronts as shown below.
GSM	Not as bad as the other two on these properties.

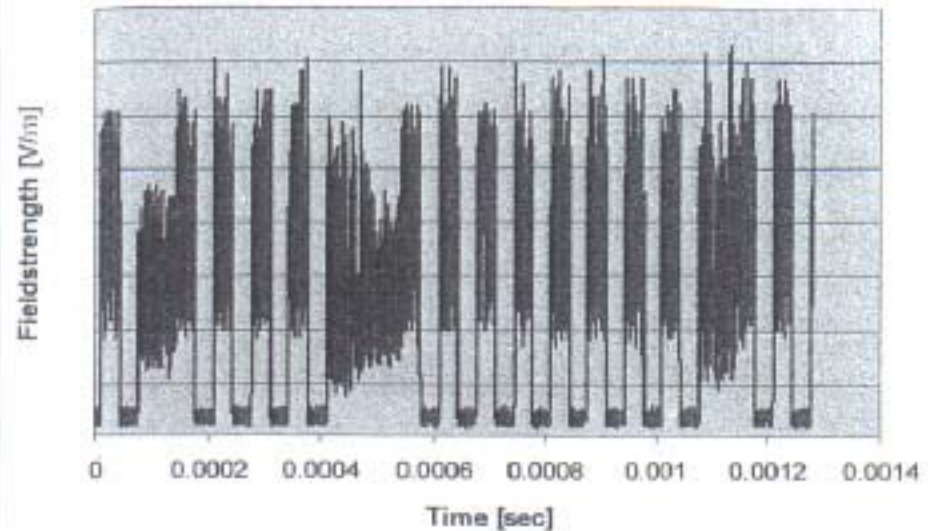
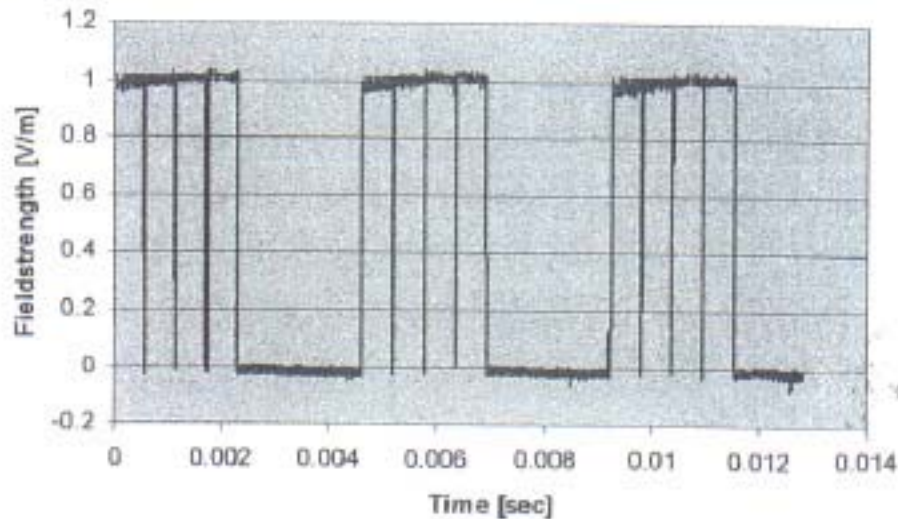


Fig 5a Demodulated GSM signal Fig 5b Demodulated G3 UMTS signal
The AGNIR (Advisory Group on Non Ionizing Radiation) report notes an unimportant fact about the Dutch study that the respondents heads were 1 metre away from the mast elements, but does not mention the important fact that the 1 volt per metre is a typical level found in houses near base stations

The Microwave Syndrome: A Preliminary Study

The effect of base station electromagnetic radiation at differing average levels of field strength ($0.11 \mu\text{W}/\text{cm}^2$ at less than 150m and $0.01 \mu\text{W}/\text{cm}^2$ at greater than 250m from the GSM mast

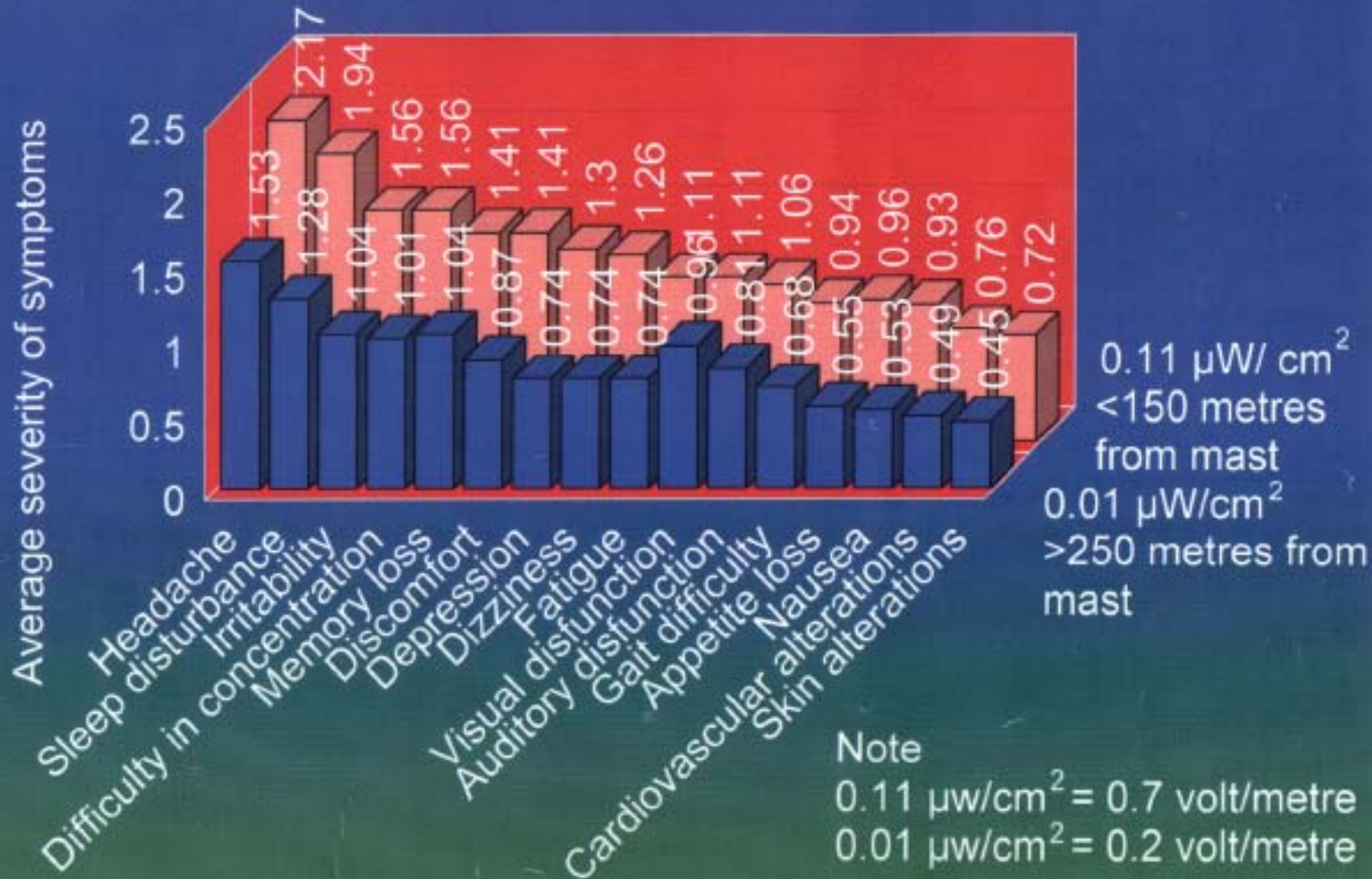
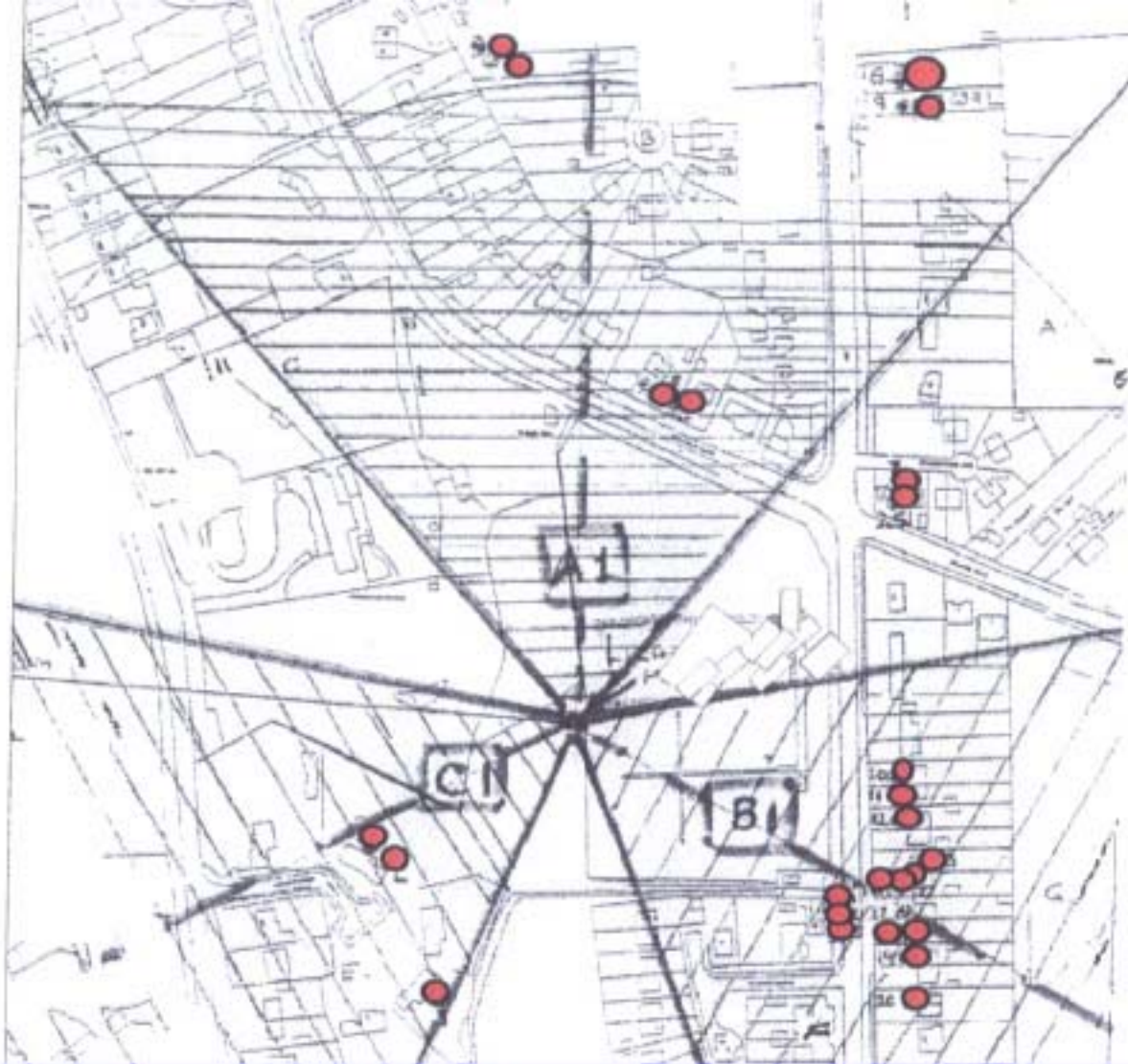


Fig 5

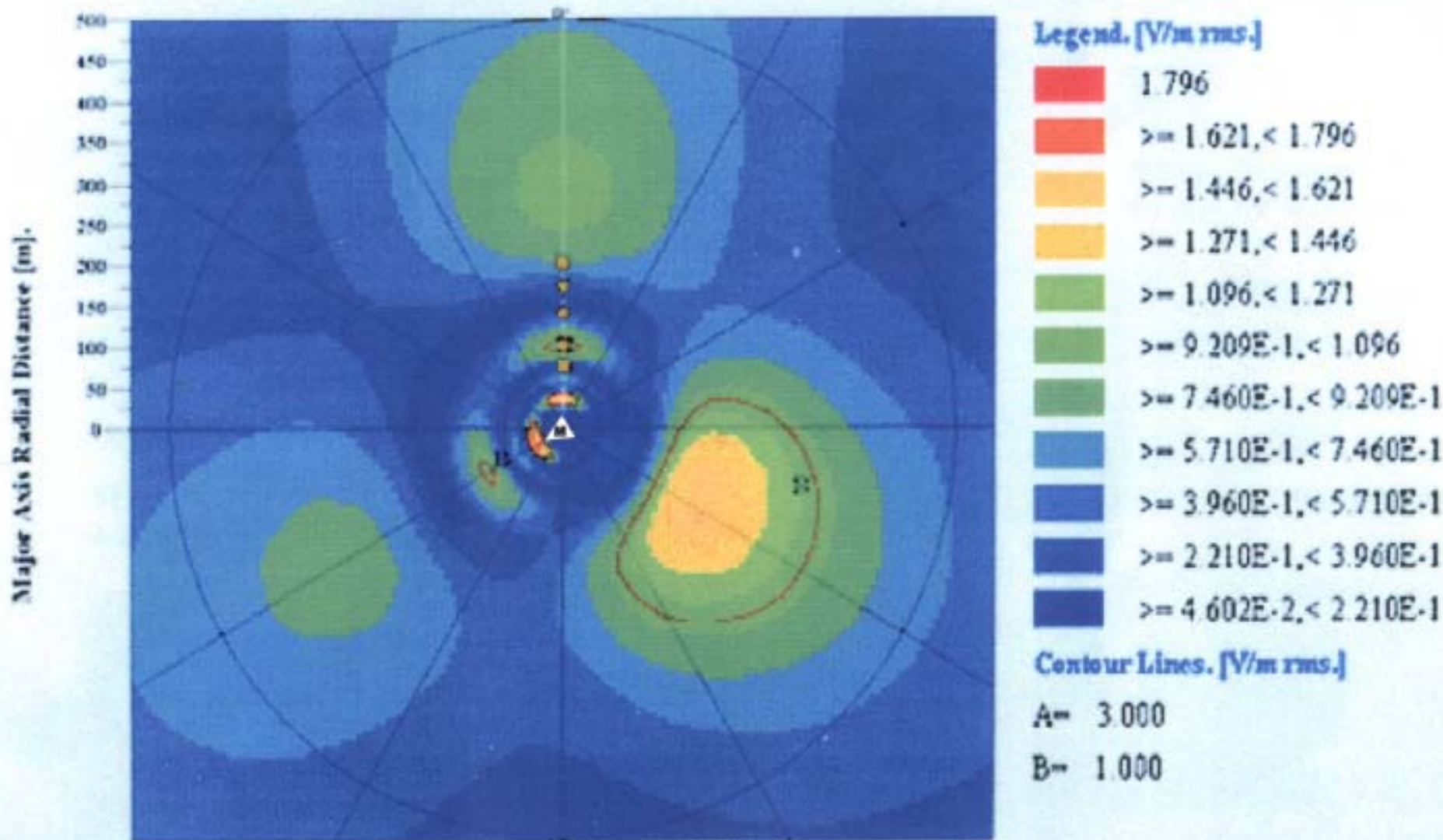
The Microwave Syndrome: A Preliminary Study - Published in Electromagnetic Biology and Medicine, Vol 22 Issue 2&3
 31/12 /2003 - Net address:- dekker.com

These figures are Navarro's average results for simplicity and clarity- illnesses reordered in magnitude

Dr J.C.Walker CPhys on behalf of Sutton Coldfield Residents Against unsuitable Masts -(January 2004)



Location	Duration of Radiation	Number of Illnesses in Field Lobes	Type of Illness
Staffordshire	11years	21	Very High Blood Pressure & Brain Haemorrhages



30 Deg. Radials.

TELSTRA NEW BASE STATION EMISSION LEVEL SOFTWARE

COLOUR SCALE RMS
Volts/Metre

0.3

0.12

Field at sleeping
height above
ground - 4 Metres
(Normal house)

Red Dots show
illness since mast
installed 10 years

0.39

0.65

0.83

0.95

1.35

1.5

From Mast
250 metres

Location

Duration
of Radiation

Number of
Illnesses in
Field Lobes

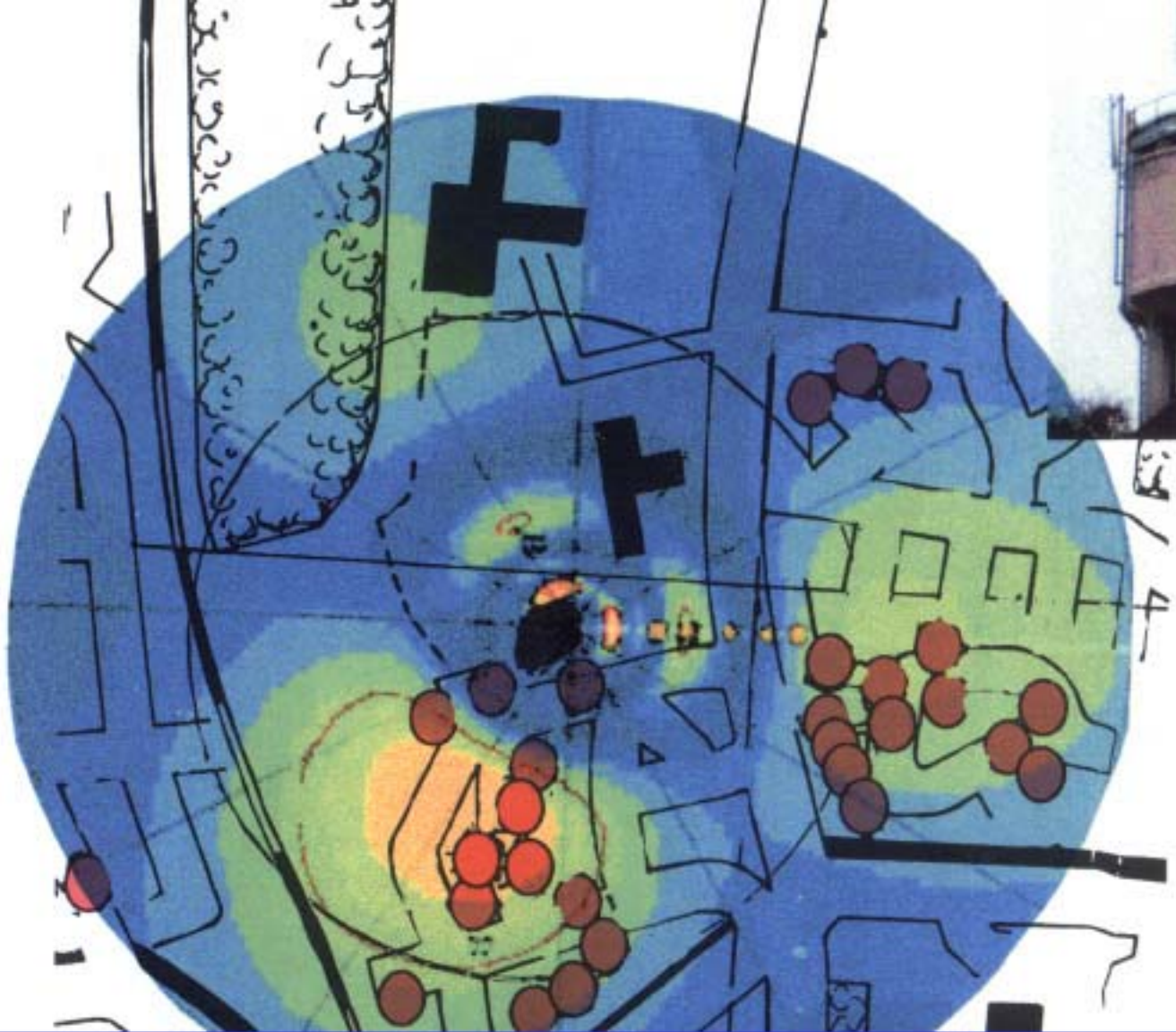
Type of
Illness

Staffordshire

11 years

21

Very High Blood Pressure
& Brain Haemorrhages



Location

Duration
of Radiation

Number of
Illnesses in
Field Lobes

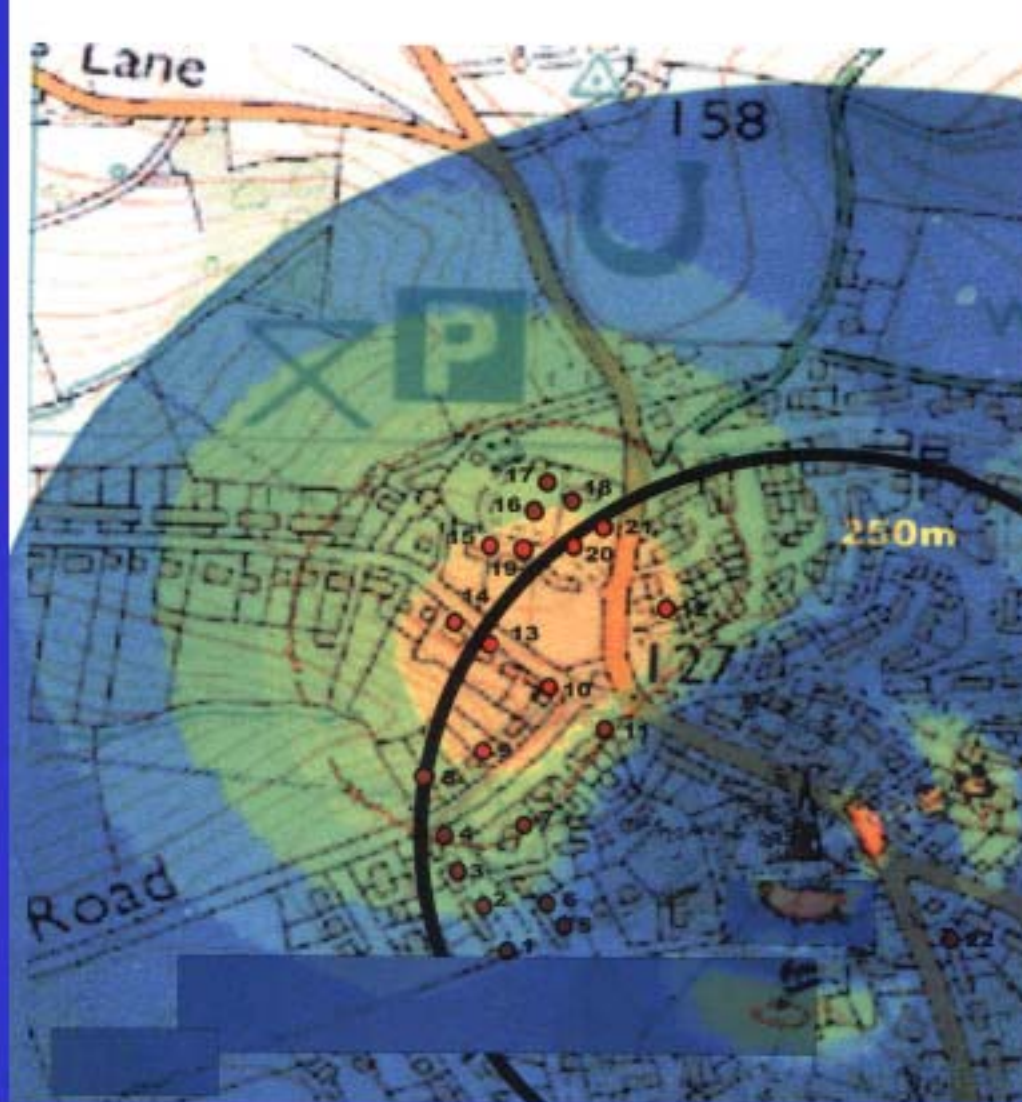
Type of
Illness

Lincolnshire

9 years

26

Cancer in 2 Lobes



Location

Duration
of Radiation

Number of
Illnesses in
Field Lobe

Type of
Illness

Devon

13 years

21

Cancer

Location

West Midlands

Duration of Radiation
 Number of Illnesses in Field Lobes
 Type of Illness

Mast 2 8 years 21 Cancer

Mast 1 2 years 12 Cancer

Cancer Incidence

Mast 2 7 in 7cm² = 5 in 5 cm²

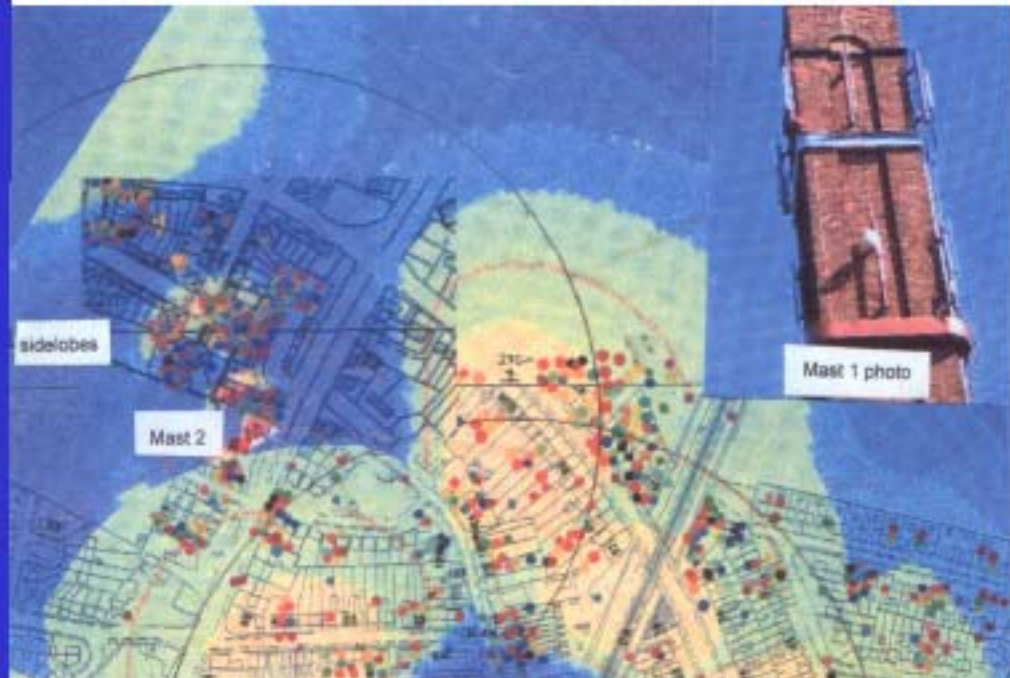
Mast 1 12 in 60cm² = 1 in 5 cm²

Cancer Incidence

RATIO Mast 2 (8 years) /

Background Level around Mast 1 (Only 2 Years) =

5/1

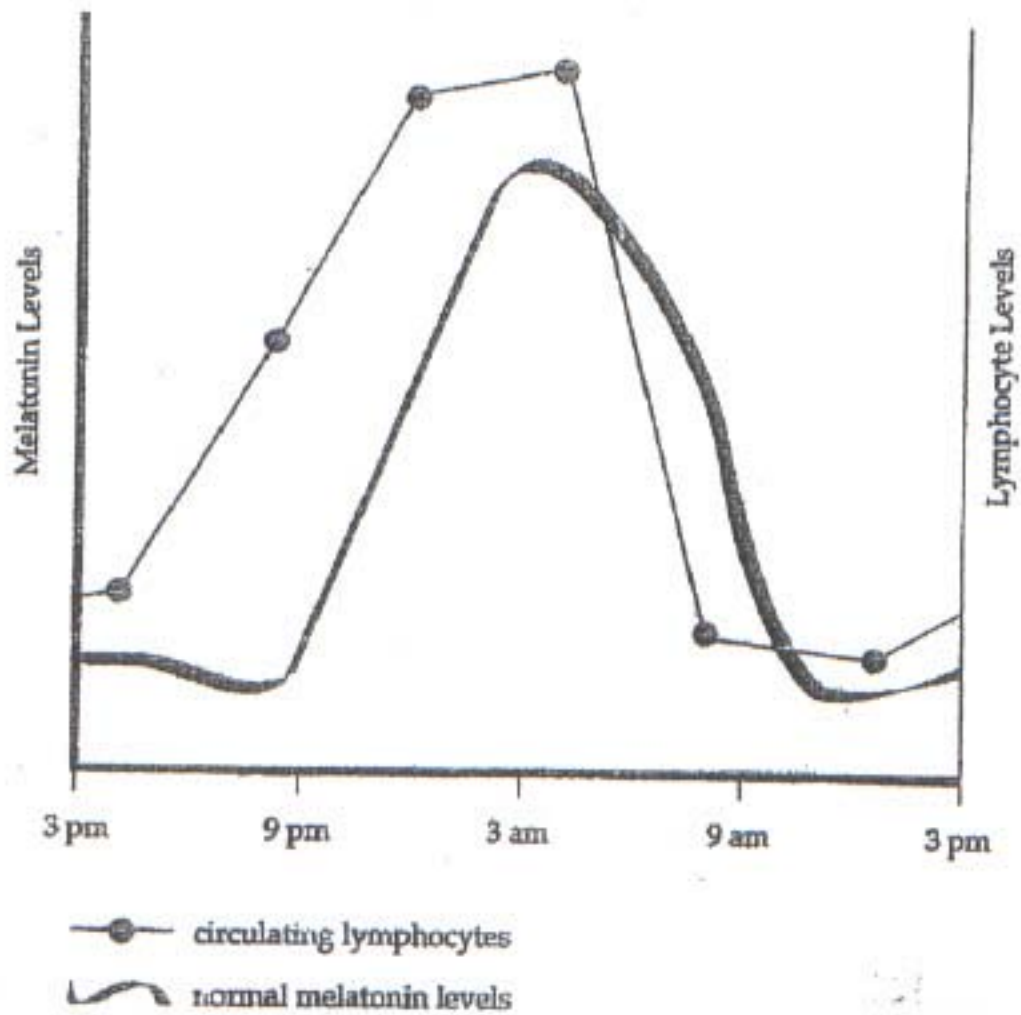


A West Midlands town, Survey Aug 2004
 Geographical plot with superposition of simulated electro magnetic field strength.

Illness	Dot Code	No.
Disturbed sleep	Red large	211
Headaches	Yellow dark large	111
Light headed/Dizziness	Blue middle	82
Electrosensitive	Green dark	79
Dry Eyes	Blue dark large	76
Mouth ulcers	Orange	70
Hearing hum/clicks	Maroon dark	63
Mood swing	Maroon	54
Vertigo	Black	52
Stabbing pains	Lilac dark	51
Rashes	Yellow large	48
Low Immunity	Purple light	44
Nose bleeds	Green dark large	40
Nausea	Lilac	35
Hormonal problems	Orange	33
Heart	Blue light	32
Non Cancer	Green large	26
Cancer	Blue dark large	23
Dementia	Maroon dark	3
Stomach disorder	Black	3
Diabetes	Grey	2
Brain haemorrhage	Orange	1
Total illness		1138

Radius 250m mast 2 8 year field- 3 pole - 80 degree beams- 40 degree radiation free
 10 cancers in side lobes at density of 1 house in 3

Radius 250m mast 1 2 year field- 4 pole - 80 degree beams -10 degree radiation free
 only so far, mainly the 16 unspecified illnesses which are mostly reversible, if the inhabitants move away



Daily Melatonin Levels Compared with Lymphocyte Levels. When melatonin levels rise at night, lymphocytes (infection-fighting cells) in the bloodstream rise as well.

Summary

At four old mast sites

Fair agreement between radiation patches and illness patches, indicating causation

Fairly similar numbers of ill people ranging from 19 to 26

Survey showed ratio of incidence of illness in patch to normal to be 5 to 1