

Extracted from a talk:

Cellular phone base stations

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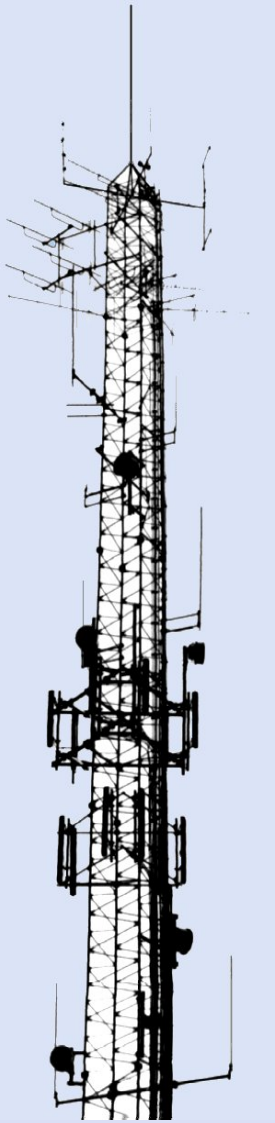
"*Are there a ecological and health problems*"

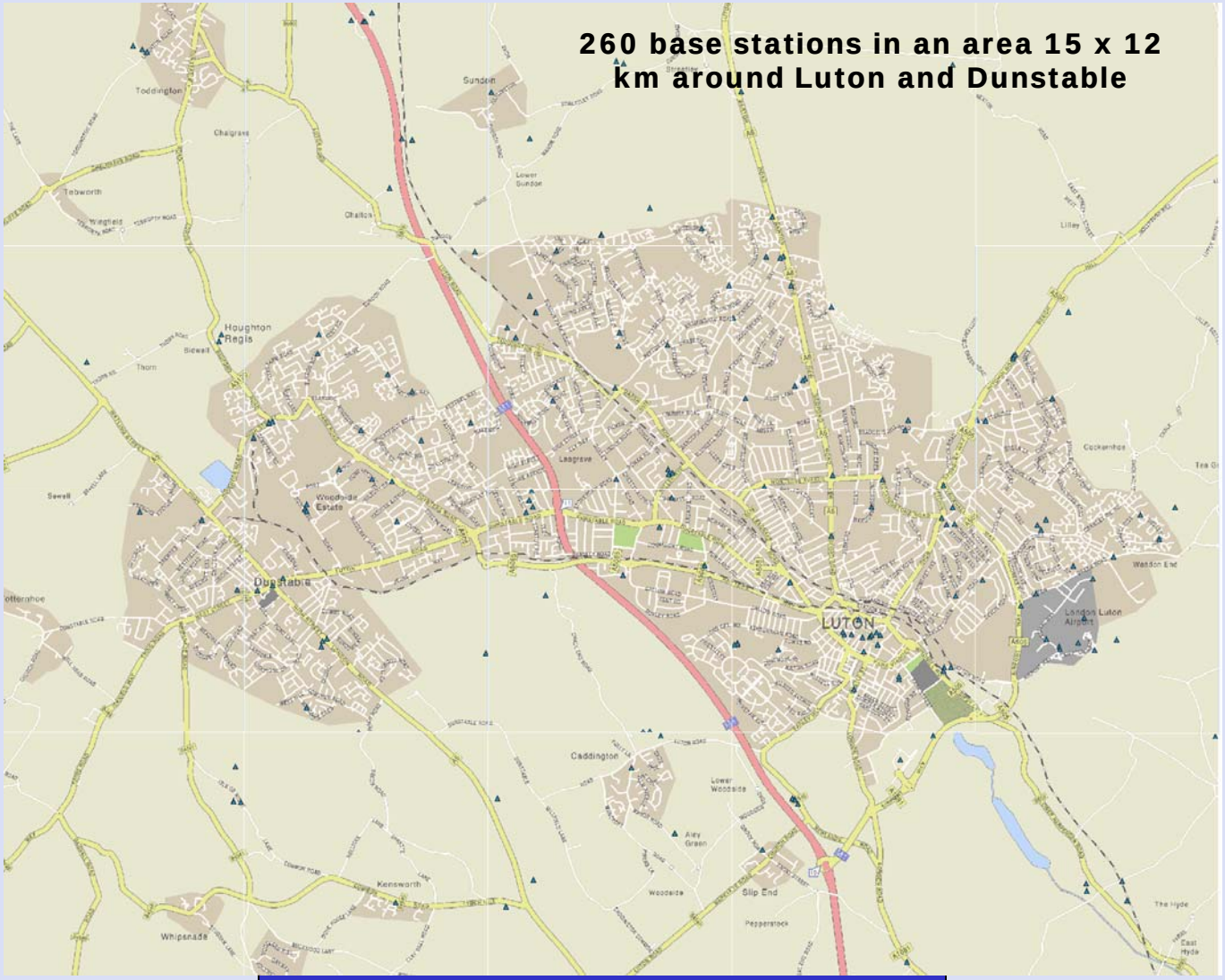
Alasdair Philips

Luton Council, 26th July 2006

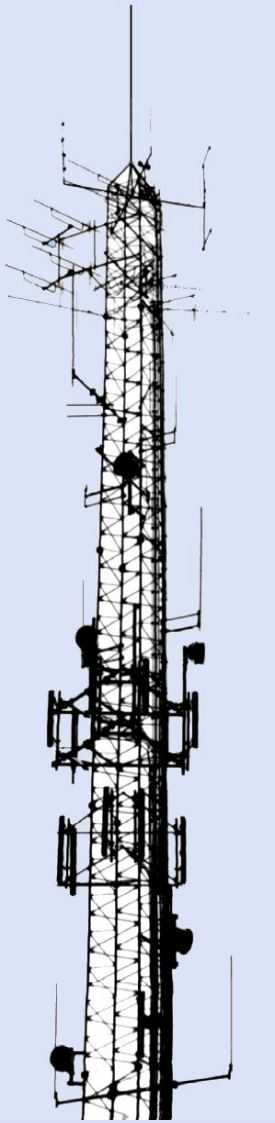
Powerwatch

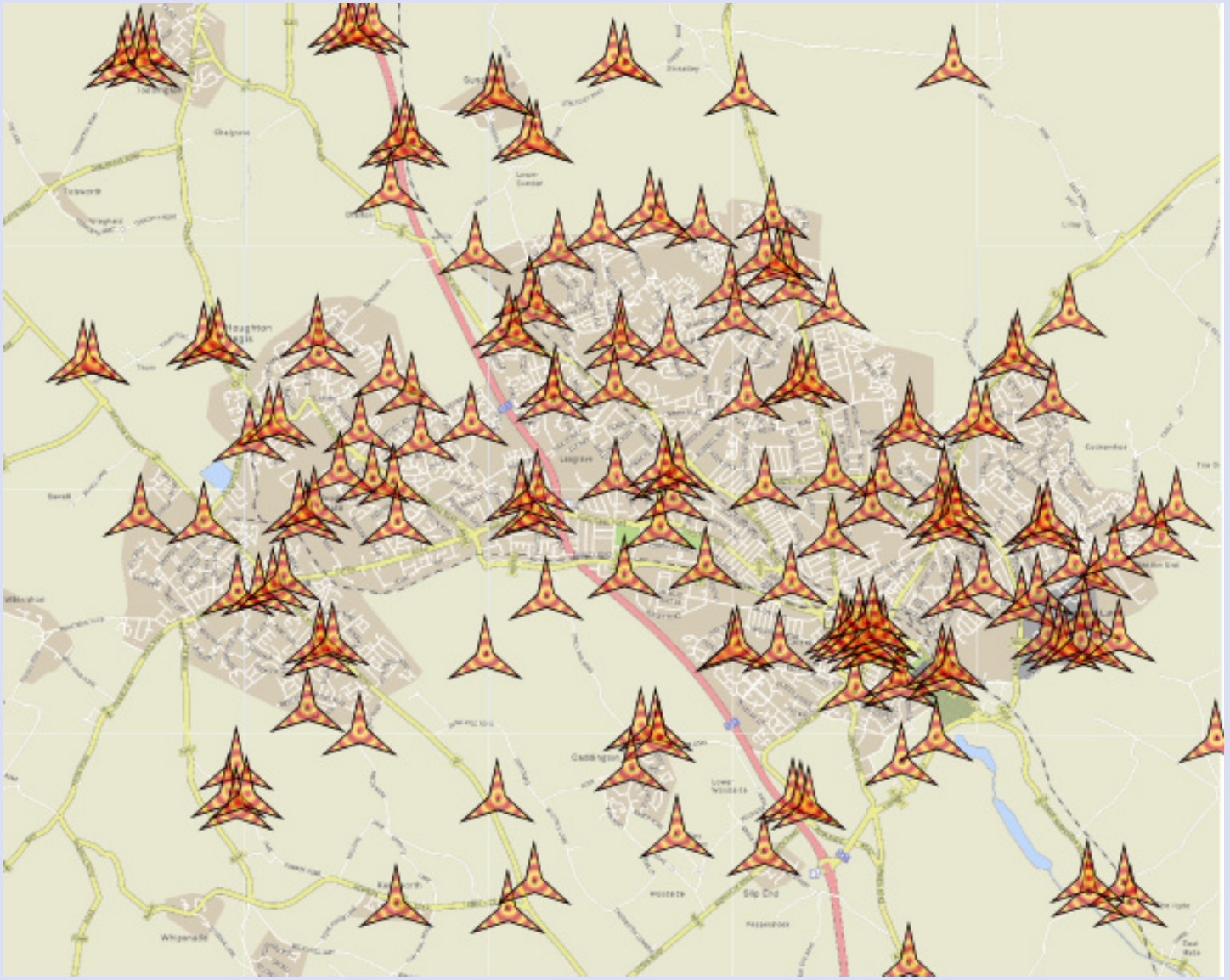
So, what is the situation in local practice?





Powerwatch





Powerwatch



14,335	8,077	12,202	4,904	0
8,078	28,318	36,428	34,115	507
4,331	29,966	37,566	69,394	43,201
6,921	236	12,916	12,487	13,804

Watts EIRP assuming 4 channels per base-station

Powerwatch

So, what is the situation in practice?



- I found 260 base stations around in a 15km by 12km area centred around Luton and Dunstable

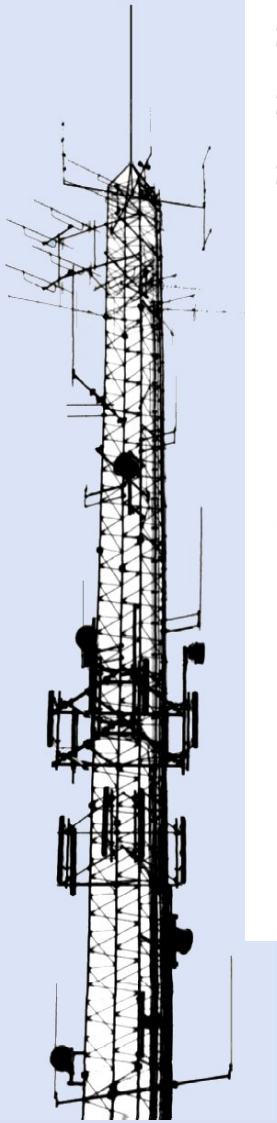
- These base stations send a total combined effective power of about 400,000 watts of microwave radiation into the local community (Summer 2006)

- Using an 'radiation exposure index' (REI) of radiated power divided by the antenna height squared we should have consistently low levels

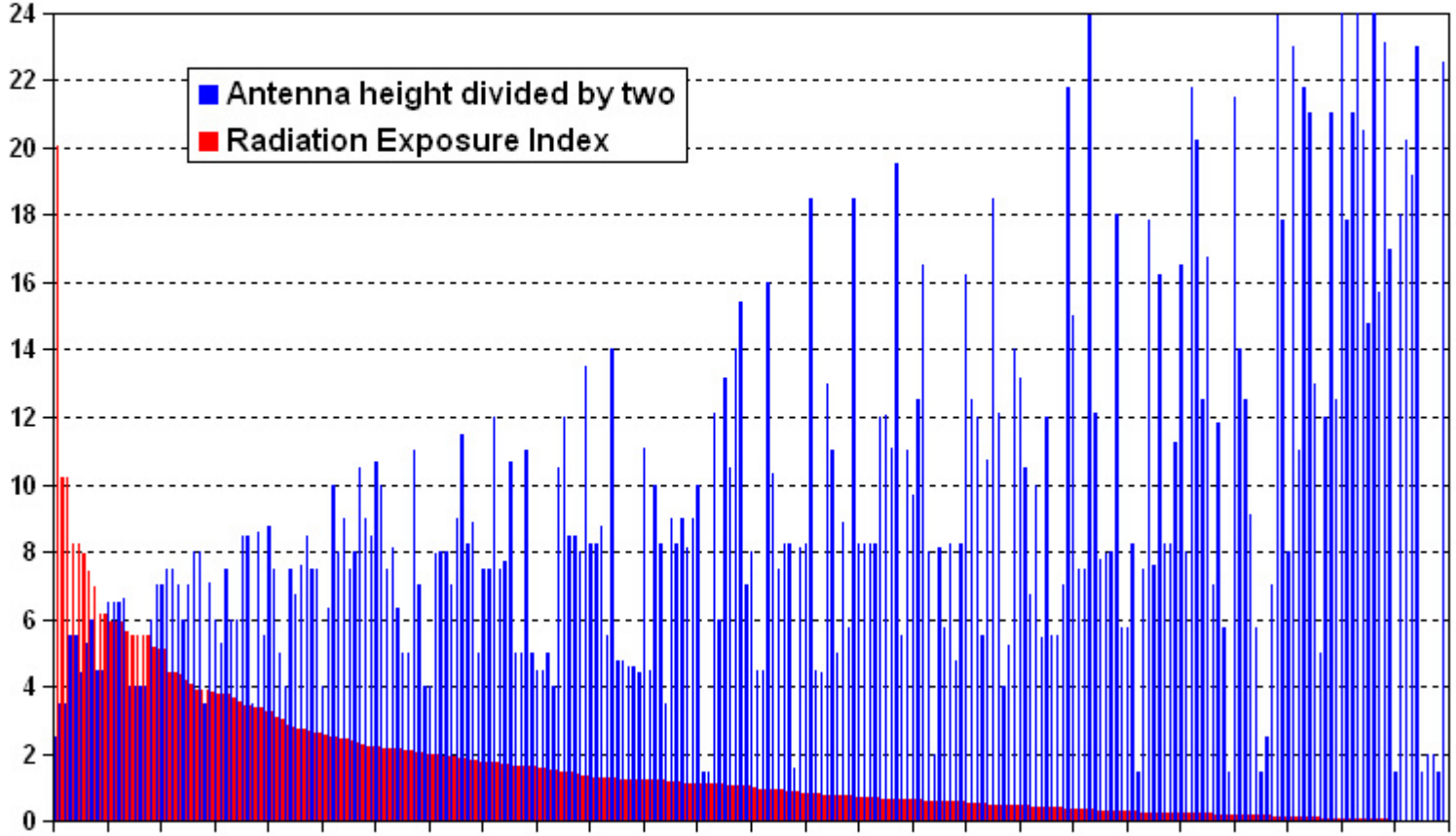
- On the basis of REIs …

… how 'equal' are the Operators masts?

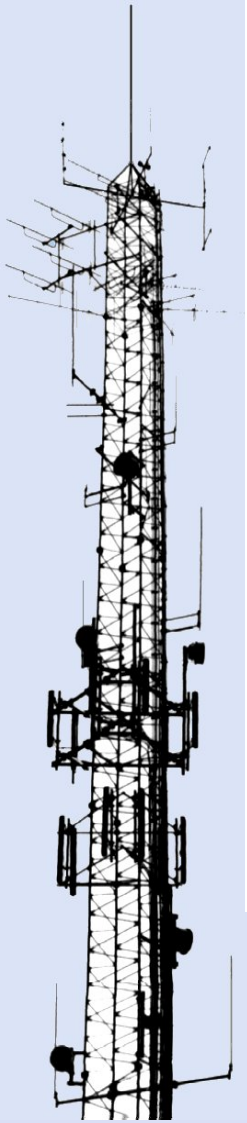
Powerwatch



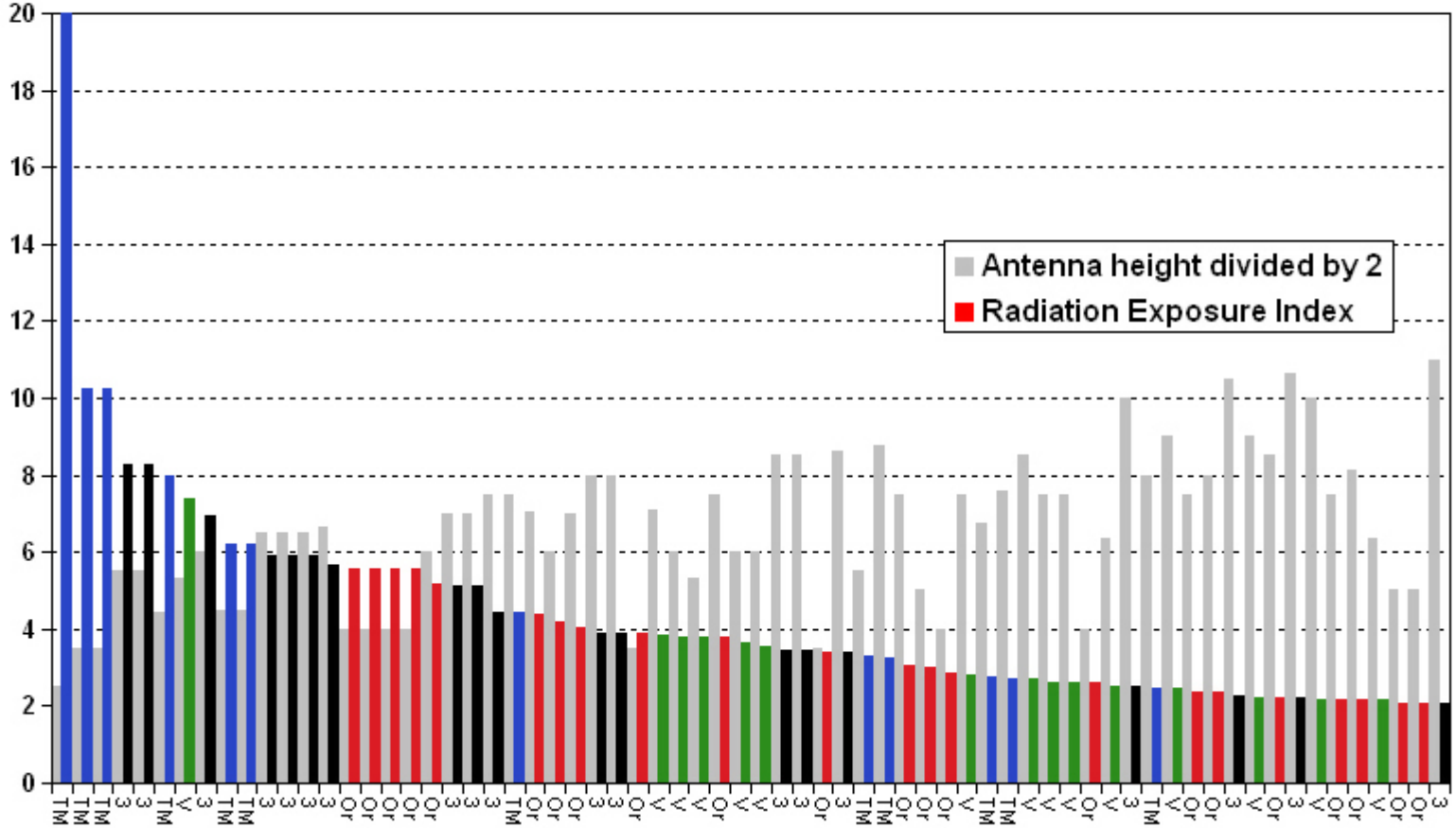
Luton & Dunstable mobile phone base stations
REI (should be under 2) and antenna height (div.2)



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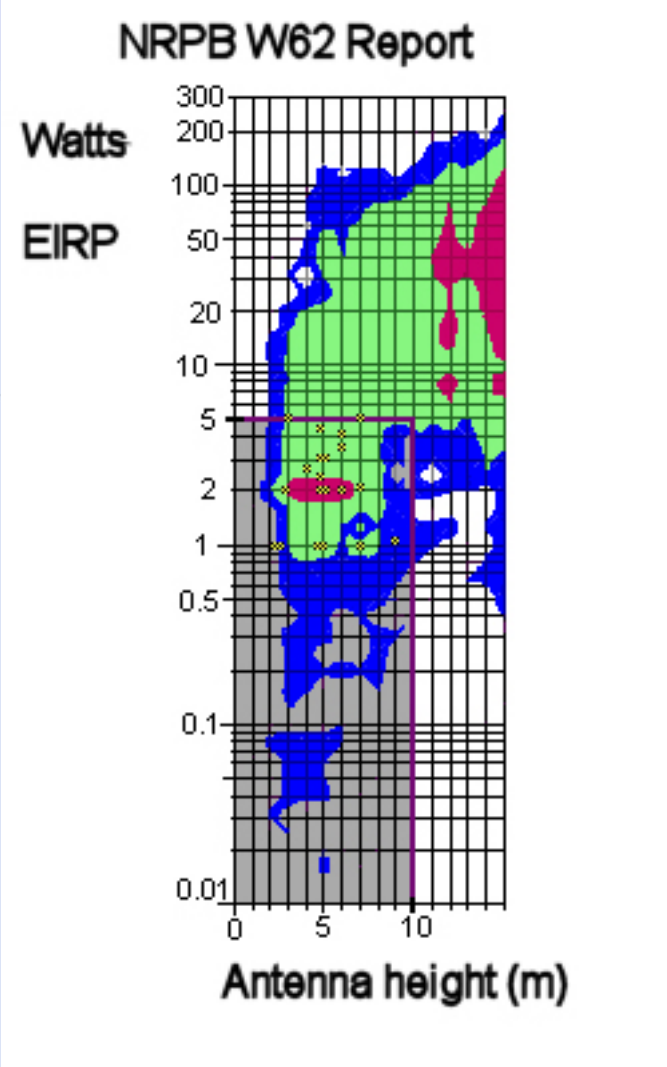
Luton & Dunstable mobile phone base stations
Base stations with an REI over 2



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NRPB Report W62 - Exposure of the General Public to Radio Waves near Microcell and Picocell Base Stations for Mobile Telecommunications





"In compiling the cohort, it was noted that **there were some 2000 of the 32,837 base stations, or around 6%, radiating more than 5 W at heights up to 10 m**. In consultation with the MTHR project monitors, it was considered whether these transmitters should have been included in the cohort. **It was decided that they should not and that this project should concentrate on the low power sites in order to stay true to its original aim of considering microcells as low height / low power transmitters.**"

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Happy days for DDT in a 1947 *Time* advertisement