



EMF ADVISORY UNIT RADIO FREQUENCY ASSESSMENT

VF 46754, O2 43567 St John the Evangelist

Calculations are undertaken to estimate the highest possible radio frequency fields and it is assumed that all channels are transmitting at full power, 24 hours a day. This is a highly unlikely set of circumstances, so in reality, day-to-day measurements will be much lower. It is also assumed that there is no obstruction to the signal by way of structural materials so **levels inside buildings are typically reduced further by a factor of ten.** This information was produced using Telstra Cumulative EMF Assessment Software (RF-Map version) based on the Mobile Base Station Field Intensity Plotter (MBSFIP) Software.

Calculations demonstrated that

	% of EU Recommendation	Bearing (degrees)	Distance (m)
Maximum Radio Wave Intensity	0.11 %ICNIRP [PEL]	347	142

Distance along bearing of 347 degrees (m)	% of EU Recommendation
5	0.00055
50	0.0035
100	0.043
200	0.072
300	0.027
400	0.012
500	0.0063

CAPE EMF
Owner: Dr. Rob Matthews
Cornerstone RF map report
2010 Cornerstone

The Cornerstone Team is comprised of individuals employed either by Telefónica O2 UK Limited or Vodafone UK Limited. It exists to facilitate network infrastructure sharing arrangements between the two companies, but not as an entity in its own right. Neither company is an agent for the other and the members of the Cornerstone Team employed by one company are not agents for the other company. The Cornerstone Team is not a partnership, nor is it incorporated as a limited company. It cannot enter into contracts, and cannot be responsible for debts, whether in its own name or on behalf of Telefónica O2 UK Limited or Vodafone UK Limited.

FOR FURTHER INFORMATION PLEASE CONTACT:

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1. The European Union's recommendation for public exposure to RF fields is based on guidelines established by the International Commission on Non-Ionising Radiation Protection (ICNIRP). The recommendation includes a note: "These basic restrictions and reference levels for limiting exposure have been developed following a thorough review of all published scientific literature ... since there are safety factors of about 50 between the threshold value for acute effects and the basic restrictions, this Recommendation implicitly covers possible long-term effects in the whole frequency range."
2. International Commission on Non Ionising Radiation Protection (ICNIRP). These precautionary guidelines have been recommended by the Independent Expert Group on Mobile Phones under the chairmanship of Professor Sir William Stewart, UK Government, the European Union and they have the formal backing of the World Health Organisation. They are subject to periodic review.

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