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Our ref: FOI 825-13 AIT 17-04-2013-145833-007  
Your ref:

9 May 2013

Dear Mr Mackenzie,

Thank you for your FOI request dated 17 April 2013, which has been received within the MOD.

*Under Freedom of Information legislation, I would like to request any information which lists the effects which can be caused by directed energy devices on people.*

*"In a response you made to another user on 20<sup>th</sup> October 2011, you mentioned directed energy weapons and the fact that effects can be characterized as "physical, physiological or psychological". I am aware that there are certain components of the MOD who specialize in the application of directed energy devices, and some who also specialize in human influence.*

*I would like you to detail the full list of physical, physiological and psychological effects which can be caused by using the invisible part of the electromagnetic spectrum in any way. Preferably with the correlating frequencies detailed".*

The "full list of physical, physiological and psychological effects which can be caused by using the invisible part of the electromagnetic spectrum in any way" is fully detailed in the open literature (for example the IEEE exposure standard and the ICNIRP guidelines, both attached) for direct effects on human beings Dstl has no additional information on this.

If you are not satisfied with this response or you wish to complain about any aspect of the handling of your request, then you should contact me in the first instance. If informal resolution is not possible and you are still dissatisfied then you may apply for an independent internal review by contacting the Deputy Chief Information Officer, 2nd Floor, MOD Main Building, Whitehall, SW1A 2HB (e-mail [CIO-FOI-IR@mod.uk](mailto:CIO-FOI-IR@mod.uk)). Please note that any request for an internal review must be made within 40 working days of the date on which the attempt to reach informal resolution has come to an end.

If you remain dissatisfied following an internal review, you may take your complaint to the

Information Commissioner under the provisions of Section 50 of the Freedom of Information Act. Please note that the Information Commissioner will not investigate your case until the MOD internal review process has been completed. Further details of the role and powers of the Information Commissioner can be found on the Commissioner's website, <http://www.ico.gov.uk>.

Yours sincerely

Dstl FOI Department