

Reference:	FOI.2996.20
Subject:	Insurance provision
Date of Request:	21 April 2020

Requested and response:

I would like to request information and evidence for the following:

- Independent safety certificates for the Health Boards WIFI equipment.
- Environmental impact assessments
- Health Board insurance provision for electromagnetic and radio frequency exposure.

Hywel Dda University Health Board (UHB) utilises an Aruba wireless network. On each product datasheet Aruba references their compliance certifications.

The high level detail of these can be found at:

<https://www.arubanetworks.com/products/networking/access-points/>

Each product has a Declaration of Conformity document for CE approvals. The UHB uses the AP-305 which references the Safety, Spectrum, and Electromagnetic Compatibility along with the restrictions of use and has the declaration provided overleaf. The Declaration of Conformity is accessible via the attached weblink:

<https://assets.ext.hpe.com/is/content/hpedam/documents/a00039000-9999/a00039837/a00039837enw.pdf>

For the United Kingdom, Hewlett Packard / Aruba complies with all regulatory standards as part of its Import agreement; Ofcom set the regulatory conformance for electromagnetic and radio frequency exposure on behalf of the Government and in terms of Wi-Fi compared to Wireless Mobile Telephony, they fully adhere to mitigate risk of Electromagnetic & Radio Frequency exposure from Aruba Wi-Fi/WLAN (Wireless Local Area Network) products. Aruba products include Safety, Compliance and Warranty Information. With regard to Insurance it is not detailed to this specific reference due to regulatory conformance, see Ofcom extract below. Please bear in mind, indoor the Wi-Fi APs at max can output only 200mW at 5GHz and 100mw at 2.4GHz:

https://www.ofcom.org.uk/data/assets/pdf_file/0019/192412/information-memorandum-award-700mhz-3.6-3.8ghz-spectrum.pdf

See section 4.19 - "For example, some licenses exempt low power radio equipment (such as mobile phone handsets and Wi-Fi routers) is designed such that it is compliant with the ICNIRP Guidelines by default e.g. it may be touch safe and cannot be installed in a way that would breach the ICNIRP Guidelines. Further, some licenses only authorise the use of radio equipment at low power. For example, some business radio licenses limit the maximum power of radio equipment to 2 Watts, and we consider there is a low risk that such equipment could be installed in a way that would breach the ICNIRP Guidelines."

Independent references providing additional insight on this are:

- <https://www.who.int/peh-emf/publications/facts/fs304/en/>
- <https://www.hse.gov.uk/radiation/nonionising/electro.htm>
- <https://www.ofcom.org.uk/manage-your-licence/radiocommunication-licences/mobile-wireless-broadband/exposure-electro-magnetic-fields>

