

Reference: 01625155

Information Requests  
[information.requests@ofcom.org.uk](mailto:information.requests@ofcom.org.uk)

9 June 2023

### Freedom of Information request: Right to know request

Thank you for your request for information concerning PMR446 Radio Equipment Standards. Your request was received on 30 May 2023 and we have considered it under the Freedom of Information Act 2000 ('the Act').

#### Your request

*Can you tell me what the UK Interface Requirement IR2030 standards and rules are in relation to PMR446 radio hardware specifically the antennas? I understand that the antennas must be fixed and contained as part of the radios but I specifically wanted to know if there is a size limit for the antennas and the radios themselves?*

#### Our response

If the equipment itself is placed on the market declaring compliance to the ETSI harmonise standard EN 303 405 it is required that the equipment shall be a handheld device with an integral antenna and an integrated battery.

There is no information relating to the physical size of the antenna or radio equipment in IR 2030 or in the standard but the fact it is "handheld" would seem to dictate a certain form factor/size/weight to allow that kind of use.

The antenna size is fundamentally related to the frequency of operation. For 446 MHz, integrated whip antennas with loading coils are usually only a few inches long but this is not specified in the regulations.

You may find the following information of use:

[https://www.etsi.org/deliver/etsi\\_en/303400\\_303499/303405/01.01.01\\_60/en\\_303405v010101p.pdf](https://www.etsi.org/deliver/etsi_en/303400_303499/303405/01.01.01_60/en_303405v010101p.pdf)

[https://www.ofcom.org.uk/\\_data/assets/pdf\\_file/0028/84970/ir-2030.pdf](https://www.ofcom.org.uk/_data/assets/pdf_file/0028/84970/ir-2030.pdf)

I hope this information helps. If you have any further queries, then please send them to [information.requests@ofcom.org.uk](mailto:information.requests@ofcom.org.uk) quoting the reference number above in any future communications.

Yours sincerely

## Information Requests

If you are unhappy with the response you have received in relation to your request for information and/or consider that your request was refused without a reason valid under the law, you may ask for an internal review. If you ask us for an internal review of our decision, it will be subject to an independent review within Ofcom.

The following outcomes are possible:

- the original decision is upheld; or
- the original decision is reversed or modified.

### Timing

If you wish to exercise your right to an internal review **you should contact us within two months of the date of this letter**. There is no statutory deadline for responding to internal reviews and it will depend upon the complexity of the case. However, we aim to conclude all such reviews within 20 working days, and up to 40 working days in exceptional cases. We will keep you informed of the progress of any such review. If you wish to request an internal review, you should contact [information.requests@ofcom.org.uk](mailto:information.requests@ofcom.org.uk)

If you are not content with the outcome of the internal review, you have the right to apply directly to the Information Commissioner for a decision. Further information about this, and the internal review process can be found on the Information Commissioner's Office [here](#). Alternatively, the Information Commissioner can be contacted at:

Information Commissioner's Office  
Wycliffe House  
Water Lane  
Wilmslow  
Cheshire  
SK9 5AF