

# Spectrum access: EHF licence application form – OfW592

## Guidance for completing this form

### Who should use this form?

You may use this form to apply, vary or surrender a Spectrum access: EHF licence.

### Conditions

Under the Wireless Telegraphy Act 2006, you must have a licence issued by Ofcom before you establish or use any Spectrum access: EHF equipment.

### Communication preference

The default method of communication with licensees will be electronic, therefore please provide a valid email address. All correspondence will be sent to licensees electronically only, unless the licensee has specifically opted to receive correspondence by post. Licensees who receive documents electronically will not receive hard copies in the post, and vice versa.

If you do not wish to receive documents electronically, you must opt out by ticking the box against each contact to receive correspondence by post.

### Completing this form

When completing this application please refer to the notes and complete in dark ink in BLOCK CAPITALS.

All fields are mandatory unless stated otherwise.

### Payment

Payments must include all bank charges. If Ofcom does not receive full payment, it will return any partial payments received.

### Important

When making a new application, you are advised not to commit to the purchase of the equipment until you have received your licence documentation.

The Wireless Telegraphy (Licence Charges) regulations set out the fees for licences to use equipment issued under the Wireless Telegraphy Act. Additionally, information can be found on the Ofcom website detailing how to calculate your licence fee.

### How Ofcom handles personal data

We require this information in order to carry out our spectrum licensing duties under the Wireless Telegraphy Act 2006.

Please see [Ofcom's General Privacy Statement](#) for further information about how Ofcom handles your personal information and your corresponding right.

### For help contact:

Ofcom  
FAO Spectrum Licensing  
PO Box 1285  
Warrington  
WA1 9GL

Email: [spectrum.licensing@ofcom.org.uk](mailto:spectrum.licensing@ofcom.org.uk)

Website: [www.ofcom.org.uk/manage-your-licence](http://www.ofcom.org.uk/manage-your-licence)

Phone: 020 7981 3131

# Guidance notes

If these notes do not answer your query, please contact Ofcom Spectrum Licensing using the details on page 1

To provide the very best service it is vital that you provide the most accurate information you can in this application form. If you are in any doubt or are unsure about any of the questions, please seek technical advice from your radio supplier or another technical expert.

It is also crucial to provide accurate contact information so that we can send you any licence documents successfully and contact you if required. Where possible, provide a valid email address as we can send you any letters automatically by this method.

## General information

Under the terms of the Wireless Telegraphy Act 2006, it is an offence to install or use radio apparatus, unless:

- you do so under and in accordance with a licence issued by Ofcom (the Office of Communications); or
- the apparatus is specifically exempt from licensing.

Responsibility for obtaining and paying for a licence rests with the user of the system, not with the supplier of the equipment. Due to the technical nature of some of the sections of the application form it would be prudent to complete the application with assistance from your appointed radio supplier, engineer, or technician. Submitting a licence application does not permit you to use or even install any equipment until you have been issued with a fully authorised licence from Ofcom. Also, it is the licensee's responsibility to confirm that the details in the licence are correct and accurate.

Ofcom can inspect equipment or devices for compliance against the permitted licensing terms and conditions stated under the licence. Breaches against the terms and conditions are taken seriously and if you operate outside your terms and conditions you will invalidate your licence and be using your system unlawfully. This can lead to you being issued with a fixed penalty notice or being prosecuted in a criminal court, depending on the circumstances of the breach.

## Radio Interference

Since the operation of a new system may cause interference to existing users, your supplier may consider it necessary to carry out compatibility tests before you apply for your licence. Once installed and operating, your system must operate always within the parameters of the terms and conditions of your licence and not cause undue interference to any other wireless telegraphy equipment. If it does, you may need to stop operating until the cause of the interference has been rectified. Ofcom cannot offer any protection against interference radiated by other authorised services; however, if you do experience interference, please contact [spectrum.licensing@ofcom.org.uk](mailto:spectrum.licensing@ofcom.org.uk).

The remainder of these guidance notes provide advice on the questions in Sections B to F.

## Section B – Customer details

### Question B1a – Existing customers

If you already hold an Ofcom radio licence, you should write your customer reference number in the box provided. Your customer reference number will be quoted in licence documentation or correspondence that we have previously sent to you.

### Question B1b – Harmonising a licence

Ofcom can align invoices for similar licence products to one consolidated date. This makes invoicing and payments easier to manage.

The conditions for harmonising a licence are:

- The licence must be under an existing customer reference number;
- Must be the same licence product;
- Must have identical payment terms to an existing licence with the same payment interval (e.g. 1 or 5 years);
- Must have an identical payment contact, and;
- Must be no outstanding invoice against the licence.

### Question B2 – New customers

A licence can only be issued to a legal entity (including an individual person). You should complete the appropriate option provided or if none of these applies, then provide your details under other legal entities. The declaration in Section F should also be signed. For a partnership, please give the full name of one partner and supply a list of all other partners. The main partner is also required to sign the declaration in Section F.

### Question B3 – Licensee address

If you are applying on behalf of a Limited Company, a Public Limited Company or a Registered Charity, the registered address of the organisation must be used. The licensee will receive all licensing documentation and correspondence.

### Question B4 – Licence contact name and address

This can be an additional contact who should also receive licensing documentation and correspondence.

### Question B5 – Payment and billing contact

The payment (billing) contact may be different from either the licensee or licence contact.

## Section C – Band details

### Questions C1 – Select band

Each application is for one band. If more than one of the available bands is required, then more than one licence must be applied for.

There are currently four bands available

- 57-71 GHz
- 116-122 GHz
- 174.8-182 GHz
- 185-190 GHz

Licensees are able to use any part of their selected band. There is no limit to the number of devices which a licensee can deploy in the band, subject to compliance with the technical provisions.

For the 57-71 GHz band this application form and licence issued is for fixed outdoor stations that are intended to be operated at an EIRP above 40dBm (to a maximum of 55dBm EIRP). If your 57-71 GHz system and stations operate at or below 40dBm EIRP you may wish to consider operating the equipment under the licence exempt framework and regulations. Details of the technical conditions that must be met for licence exempt operation can be found in [IR2030](#).

## Section D – Equipment compliance

### Question D1 - Tick to confirm compliance.

Use of the Radio Equipment under this licence shall be in accordance with the following Interface Requirement:

IR2106: Spectrum Access EHF

## Section E – Intended use

Use this space to detail the intended use of the equipment or device covered by this licence. Also provide any additional information which you believe is relevant to the licence application. For example, state whether this is one of a set of multiple applications so we can invoice them together.

## Additional Information

Full details can be found in the document Interface Requirements IR2106

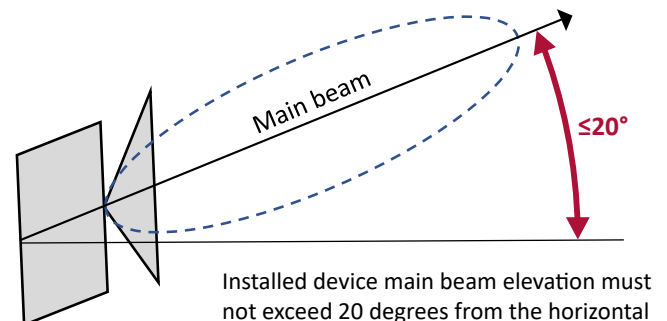
All bands under this licence carry a maximum effective isotropically radiated power (EIRP) restriction of 55dBm. This must be adjusted for systems using bandwidths of less than 100MHz, as set out in the Interface Requirement (IR) 2106.

For outdoor use, EIRP (dBm) at angles (degrees°) relative to main beam in elevation shall not exceed:

Band	EIRP at angle
116-122 GHz	13 dBm at > 10°
	1 dBm at > 40°
	-3 dBm at > 60°
174.8-182 GHz	13 dBm at > 10°
	1 dBm at > 40°
	-3 dBm at > 60°
185-190 GHz	25 dBm at > 10°
	14 dBm at > 40°
	10 dBm at > 60°

Main beam elevation angle of licensed devices shall not exceed 20 degrees above horizontal when devices are used outdoors.

### Illustration of outdoor use device elevation angle restriction



Unless consent has been specified by Ofcom, the Licensee is required to retain written records of the following details relating to the equipment:

- Postal address (including post code) and National Grid Reference (to 1m resolution) of the radio equipment or, in the case of mobile use, the centre of any 5km radius area within which the Radio Equipment is used; and
- In addition, for equipment deployed in 116-190 GHz the Antenna main beam elevation angle measured in degrees above the horizontal for outdoor use.

## A. Application purpose

### A.1 For a new application tick the relevant box:

Spectrum Access: EHF application - now complete sections B to F

Spectrum Access: EHF licence variation - now answer question B1a and sections C to F

Surrender a Spectrum Access: EHF licence - now answer questions A3, B1a and section F

### A.2 If you require a licence for less than 12 months, then indicate both the start and end dates

Start date:

End date:

### A.3 For a surrender of an existing licence please provide your licence number:

## B. Applicant details

### B.1a Customer Reference Number (for existing licensees only)

You can harmonise the renewal date of your licence with the renewal date of an existing licence providing the conditions are met in the guidance.

### B.1b To harmonise a licence please provide:

Existing licence number

Required renewal date (DD/MM/YYYY)

Now go to Section C unless you need to make changes to existing contacts in question B.4 and B5

### B.2 Who is the licence to be issued to?

A licence can only be issued to a legal entity (with the named person with contact details entered in question B.3).

Ofcom recognises the following types of entities and you should provide your name and answer any other details as appropriate to the legal entity:

**Individual or sole trader** (Please provide full name and go to Question B.3):

**Business partnership other than a limited company** (Please provide the full name and go to Question B.3):

**Registered Company (UK or non-UK)** (Please answer all parts and go to Question B.3):

Full name of company

Company registration number

*(continued on next page)*

**B.2 (continued)**

**Limited Liability Partnership** (Please answer all parts, then go to question B.3)

Named partner who should be named on the licence

Full name of the limited liability partnership

Company registration number

**Unincorporated Association** (Please answer all parts, then go to question B.3)

Named member who should be responsible for the licence

Full name of the unincorporated association

**Please specify other legal entity if not listed above** (Please provide details, then go to question B.3)

Named person responsible for the licence

The full name of the legal entity (if different to above)

Company registration number (if appropriate)

**B.3 Licensee contact details**

- Companies should use the registered address from [Companies House](#)
- Registered charities should use the address from the [Charity Commission](#)

For all other Licensees, please use your main business address

Name

Trading name

Address

Telephone

Mobile

Postcode

Email

Country

Please tick here to confirm you are happy for all correspondence to be sent to this email address.

#### **B.4 Licence contact details (where different from above)**

Licensing documentation and correspondence will be sent to this address.

NB: This is the person who is responsible for the licence and will receive all important documents including:

- Validation notice (licence amendment reminder)
- Notice of Proposed Revocation (where applicable)
- Revocation notice (where applicable)
- Surrender letters

Name

Address

Telephone

Mobile

Postcode

Email

Country

Please tick here to confirm you are happy for all correspondence to be sent to this email address.

#### **B.5 Contact details for payments, billing or account queries:**

NB: This is the person who will receive invoices and reminders when payments are due.

Please do not include payment with this application, as you will be invoiced later.

Please tick here if these details are the same as those in question B.4 (Licensee contact details)

Name

Address

Telephone

Mobile

Postcode

Email

Country

Please tick here to confirm you are happy for all correspondence to be sent to this email address.

## **C. Band details**

### **C.1 Select your preferred choice of frequency band (tick one option only)**

57-71 GHz

116-122 GHz

174.8-182 GHz

185-190 GHz

## D. Equipment compliance

D.1      Tick to confirm that all equipment complies with UK Interface Requirement IR2106

## E. Intended Use

E.1 Please provide details of your intended use for this spectrum. Please include approximate locations where equipment will be deployed, including whether the equipment will be used outdoors, and the planned type of use e.g. mobile or fixed basis.

## F. Declaration

**By signing this form, I confirm that I have read and understood all the notes. Any information provided is correct and complete to the best of my knowledge and I have the authority to make this declaration and sign this application.**

I understand and accept that:

- The body (if any) I represent will be responsible for compliance with the licence and has the control and supervision of the equipment or devices;
- It may be an offence to knowingly make a false statement in support of this application and may lead to the licence being refused or revoked under the Wireless Telegraphy Act;
- Ofcom will not give anyone my information except in accordance with the law;
- Ofcom may share my information to publish a register of licences under the Wireless Telegraphy Act;
- Where I have provided an email address, I consent to receiving notifications, documents and correspondence in electronic form to that email address.

Full name

Position in organisation

Signature of applicant

Date of application (DD/MM/YYYY)

For self and partners (tick if applicable)

- Partnerships must be applied for by one partner signing 'for self and partners'. A director or authorised person must sign for public limited companies, limited companies and other legal entities;
- If the number of partners exceeds the space, then for each additional partner please provide the name and signature.

Partner 1 name

Partner 3 name

Partner 1 signature

Partner 3 signature

Partner 2 name

Partner 4 name

Partner 2 signature

Partner 4 signature

## Where to send this form

**Please do not include payment with this form, as you will be invoiced at a later date.**

**Please allow up to 14 days from posting your application for receipt of your invoice.**

**Please ensure that you enclose all relevant certification and any attached pages as applicable.**

You can send the form by clicking the Submit form button at the bottom of this page, or send it as an email attachment to [spectrum.licensing@ofcom.org.uk](mailto:spectrum.licensing@ofcom.org.uk).

Alternatively you can send it by post to:

Ofcom  
FAO Spectrum Licensing  
PO Box 1285  
Warrington  
WA1 9GL

If you need assistance, then please call 020 7981 3131 or email [spectrum.licensing@ofcom.org.uk](mailto:spectrum.licensing@ofcom.org.uk).

There is also information available on our website at [www.ofcom.org.uk](http://www.ofcom.org.uk).