
Advertisement of licences for small-scale radio multiplex services

Round four

[Advertisement of licences for small-scale radio multiplex services](#) – Welsh translation

Publication date: 14 July 2022

Closing date for applications: 14 October 2022

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1. Overview

1.1 In this document, Ofcom proposes to grant licences to provide small-scale radio multiplex services, and is inviting applications for licences for the following areas (n.b. we have renamed three advertised areas compared with previous Ofcom documents relating to this round, but these changes do not affect the locality covered):

- Anglesey & North Gwynedd
- Ards Peninsula
- Banbury & Bicester
- Bath & Midsomer Norton
- Berwickshire and North Roxburgh¹
- Boston, Spalding & Skegness
- Derby
- Doncaster
- Durham
- East Fife
- Glenrothes & Kirkcaldy
- Inverclyde
- Kendal & Windermere
- Kintyre, Islay & Jura
- Ludlow²
- Newport & Chepstow
- Newry
- North Buckinghamshire
- North Pembrokeshire
- Northampton
- Peterborough
- Plymouth
- South Gloucestershire³
- South Pembrokeshire
- Southampton
- Stirling & Falkirk
- Torbay
- Wakefield, Castleford & Dewsbury
- Wolverhampton

1.2 A radio multiplex service is the means by which DAB digital radio stations are broadcast and can provide around ten stereo radio stations (and around 20 stereo services if DAB+ is utilised).

¹ Previously named 'Scottish Borders (eastern)'.

² Previously named 'Ludlow, Cleobury Mortimer & Tenbury Wells'.

³ Previously named 'Bristol (North)'.

Advertisement of licences for small-scale radio multiplex services: Round Four

- 1.3 The advertisement of these licences constitutes Round Four of Ofcom's programme of small-scale DAB licensing, as set out in our statement on small-scale DAB licensing published in April 2020. Note that we intend to award no more than one small-scale radio multiplex licence for each area that we advertise (i.e. we have no plans to award additional small-scale radio multiplex licences for a given area once a small-scale radio multiplex service has been licensed by us to serve that area).
- 1.4 Small-scale radio multiplex licences are awarded by Ofcom in a competitive process. This means that applications are judged against specified criteria, and Ofcom awards each licence to the applicant which it considers best meets the criteria.
- 1.5 The closing-date for applications for the small-scale radio multiplex licences listed above is **5pm on Friday 14 October 2022**. The non-refundable application fee is £500.
- 1.6 Ofcom is also now inviting applications from potential programme service providers who would like to broadcast a Community Digital Sound Programme (C-DSP) service on a small-scale radio multiplex service for which a licence is being advertised in this document.

2. The licences being advertised

- 2.1 This section provides, for each small-scale radio multiplex licence we are advertising in Round Four, a map specifying the geographical area or locality which the licence is intended to cover, and relevant data for each licence area, including the adult population coverage. The table below explains the data we provide in more detail.

Data	Description
Licence area population	The total adult (aged 15+) population within the area that the advertised multiplex licence is intended to cover (i.e. the population enclosed by the red line on the map). This, and all other population data in these tables, is derived from 2011 Census data.
Size of licence area	The geographical size, in square kilometres, of the area that the advertised multiplex licence is intended to cover (i.e. the area enclosed within the red line on the map). The figure includes areas of sea where applicable.
Reserved C-DSP capacity	<p>The small-scale DAB legislation requires Ofcom to ensure that small-scale radio multiplex licensees reserve broadcast capacity for a minimum of three Community Digital Sound Programme ('C-DSP') services. It also requires us to specify this reservation at the time of advertising a small-scale radio multiplex licence. For each licence we are advertising, Ofcom has determined the number of C-DSP services for which capacity must be reserved. These decisions were taken based on the factors set out in paragraph 6.13 of our licensing small-scale DAB statement.</p> <p>The licensee must ensure that at least 36 capacity units⁴ are reserved for each C-DSP service. For example, a capacity reservation for three services means that 108 capacity units (i.e. 3 x 36 capacity units) must be reserved exclusively for use by C-DSP services. This capacity cannot be used by the multiplex licensee for any purpose other than for the carriage of radio services holding a C-DSP licence.</p>
Local DAB service 1 (and licence area population)	This is the name of an existing local radio multiplex service which overlaps with the area to be covered by the small-scale radio multiplex service for which the licence is being advertised. The total adult (aged 15+) population within the existing local radio multiplex service's licensed area (which may

⁴ 36 capacity units is equivalent to a DAB+ bitrate of 48 kbit/s at protection level EEP3A.

be larger than the area it serves from its current transmitter network) is noted in brackets. Where more than one existing local radio multiplex service overlaps with the small-scale radio multiplex licence area being advertised, additional rows labelled 'Local DAB service 2 [...]' and "Local DAB service 3 [...]" are included as appropriate.

Local DAB service 1 population overlap (and percentage)

The adult (aged 15+) population falling within the advertised small-scale radio multiplex licence area which also falls within the licensed area of the overlapping local radio multiplex service noted above. This overlapping population is provided as an absolute figure, and also as a percentage of the local radio multiplex service's total licensed area population in brackets.

The extent of overlaps between small-scale and local radio multiplex service licensed areas is relevant, as there is a legal requirement to limit such overlaps to no more than 40% of the population in the licensed area of the existing local radio multiplex service.

Proposed frequency block

The nominal transmission frequency which has been allocated to the advertised small-scale radio multiplex licence area, and on which we intend for the service to be provided. Applicants should note that the frequency given here is provisional, reflecting Ofcom's intention at time of advertisement. It may change prior to licence award for spectrum management reasons, but applicants must base their applications on the specified frequency.

Co-block small-scale DAB licence areas and/or local multiplexes

Lists any nearby small-scale radio multiplex services and/or any existing (or proposed) local radio multiplex services which share or may share the nominal transmission frequency block above.

A spreadsheet containing links to licence area data and population data for these potential co-block areas is available on the Ofcom website: [Supporting technical data and links for Round Four locations](#). This data is in MapInfo Interchange Format and can be imported into geographic information system (GIS) software packages. The spreadsheet also contains links to standalone maps for all small-scale and local radio multiplex licensed areas.

The information on co-block DAB services is relevant given that there are limits on the amount of signal strength that a small-scale radio multiplex service can place into the licensed area of another radio multiplex service which uses the same frequency

block. These signal strength limits are 38 dB μ V/m at 10m height in the case of other small-scale radio multiplex licensed areas, and 29 dB μ V/m at 10m height where local radio multiplex services use co-block frequencies. In the tables below for each map, local radio multiplex services are identified by the letters 'LRMS' following the area name. Other area names denote other actual or planned small-scale multiplex areas.

Additional information

Further information or constraints that Ofcom believes the applicant for the specific licence area should be aware of. This may include such things as advice on areas of higher than expected interference, specific concerns about outgoing interference, and use of certain transmitter sites.

<Link to licence area data>

A link to data files which describe the geographic licence area. This data is in MapInfo Interchange Format and can be imported into a geographic information system (GIS) software package.

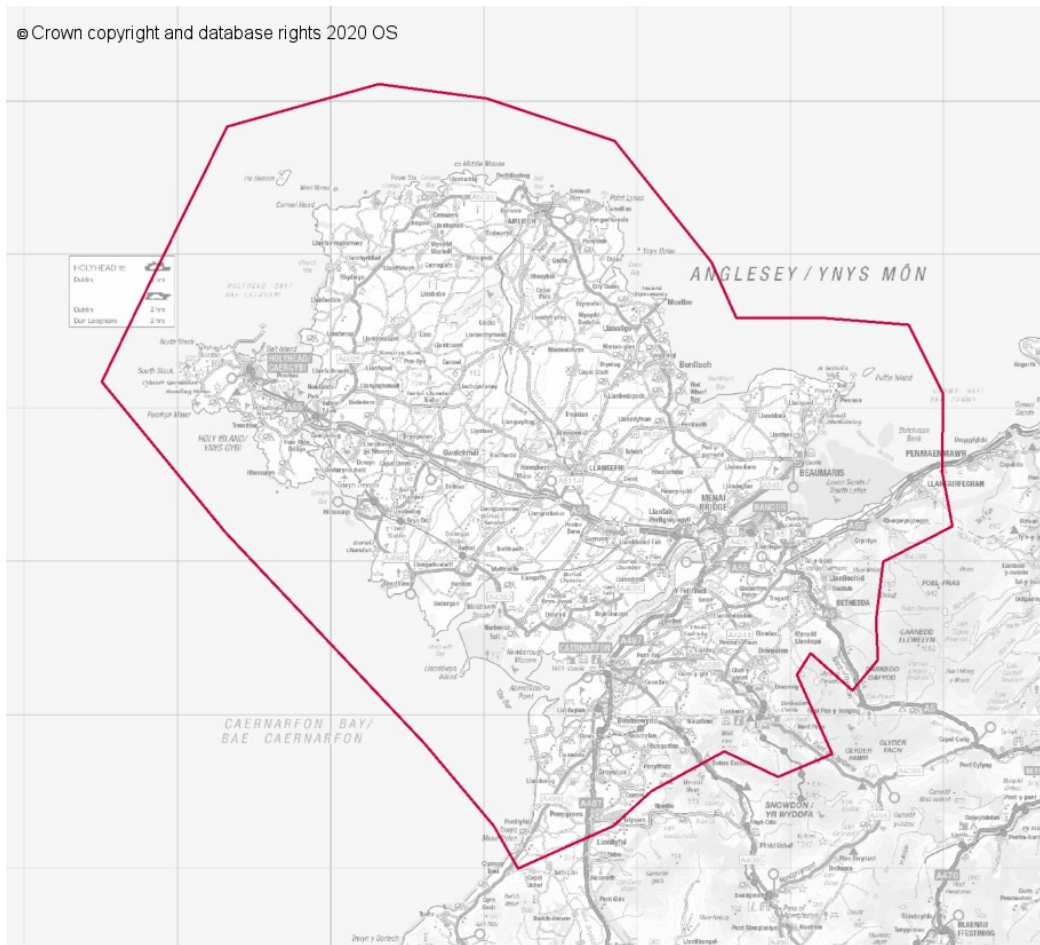
<Link> to population data>

A link to data files containing the population distribution within the licence area. This data is in MapInfo Interchange Format and can be imported into a geographic information system (GIS) software package.

- 2.2 Each small-scale radio multiplex licence will be granted for a period of seven years from the commencement of broadcasting, with a further five-year renewal period available. Services must be on air within 18 months of the licence being awarded. This is a legal requirement of the small-scale DAB legislation and successful applicants should expect Ofcom to apply it strictly.
- 2.3 At the same time as Ofcom is advertising the Round Four small-scale radio multiplex licences, we are also inviting applications from potential programme service providers who would like to broadcast a Community Digital Sound Programme ('C-DSP') service on any of the small-scale radio multiplex services for which a licence is being advertised in this document. There is no deadline by which an application for a C-DSP licence must be submitted to Ofcom. This means that the window for making an application for a C-DSP licence for a service to be provided on any of the small-scale radio multiplex services for which a licence is being advertised in Round Four is now 'open' for the foreseeable future. Prospective C-DSP licence applicants should also note that the C-DSP licence application process does not require them to align themselves with one or more applicants for the licence for the small-scale DAB radio multiplex service that they wish to broadcast on, and they can, if they so wish, wait until after the small-scale radio multiplex licence has been awarded before submitting a C-DSP licence application. However, we would advise multiplex applicants and potential C-DSP providers to liaise with each other at an early stage as a broadcaster will need a carriage agreement as well as a licence in order to reach its target community.

- 2.4 There is no restriction on an applicant for a small-scale radio multiplex licence also applying for a C-DSP licence to broadcast on that small-scale radio multiplex service (i.e. a small-scale radio multiplex licensee can also broadcast a C-DSP service on its own multiplex). Indeed, one of the matters the legislation requires Ofcom to consider in awarding a small-scale multiplex licence is the desirability of awarding to an applicant who is, or has as a participant, someone proposing to provide a C-DSP service in that locality.
- 2.5 The application forms ([Part A](#) and [Part B](#)) and accompanying [guidance notes](#) for C-DSP applicants and licensees are available on Ofcom's website.
- 2.6 Ofcom reserves the right to alter or correct any part of this Notice at any stage before the closing date for applications. Any additional documents referred to in this Notice may also be amended from time to time. Any such alterations, corrections or supplementary information will be made available on our website.
- 2.7 The information given in this Notice is not an exhaustive account of the statutory and licensing requirements and should not be regarded as a complete and authoritative statement of the law. Nor does any information we issue, whether in this Notice or elsewhere, imply any judgement by us as to commercial prospects for the applications, or that licensed services will be profitable.
- 2.8 Applicants must make their own independent assessment after taking their own professional advice and making such further investigations as they deem necessary on all relevant matters.
- 2.9 We make no representation or warranty, expressly or implied, with respect to information contained in this Notice (together with other documents referred to in this Notice as well as any other information we publish related to matters relevant to this Notice, including such information that we may publish in relation to applications received) or with respect to any written or oral information made or to be made available to any potential applicant or its professional advisors. Any liability therefore is expressly disclaimed, and we do not therefore accept liability for any losses, expenses or damage otherwise suffered or incurred as a result of preparing any applications based on or pursuant to this Notice or otherwise relying on information set out herein, whether or not applications are submitted, and whether or not they are successful.

Anglesey & North Gwynedd



Licence area population: 110,617

Size of licence area (km²): 1,727 km²

Reserved C-DSP capacity: FOUR services

Local DAB service 1 (and licence area population): North-West Wales (362,319)

Local DAB service 1 population overlap (and percentage): 110,617 (30.5%)

Proposed frequency block: 9C

Possible co-block small-scale DAB licence areas to be protected: Barrow-in-Furness, Wigan, North Powys, North Pembrokeshire, and Newry.

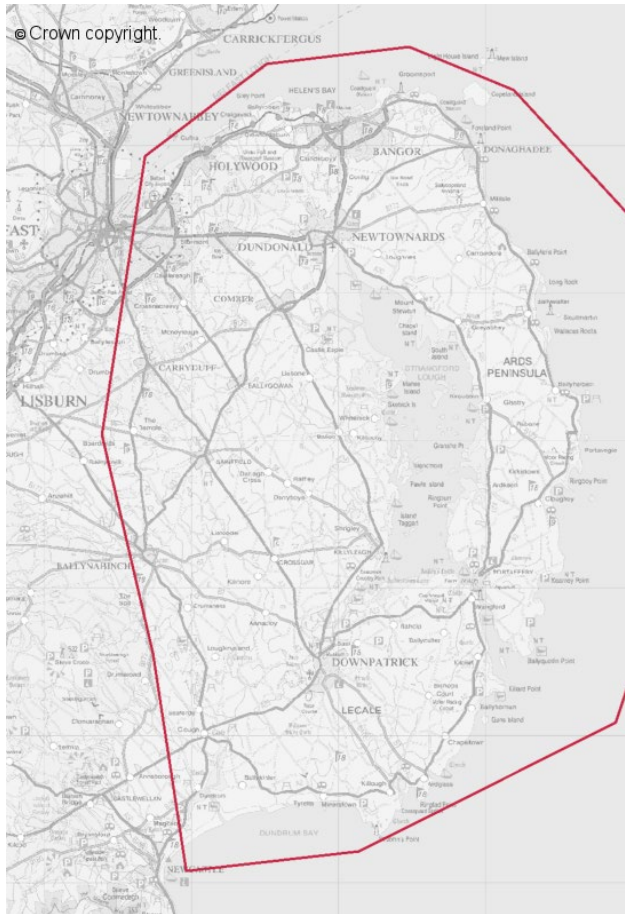
Additional information: If applicants wish to use the Arfon or Llanddona transmitter sites, Ofcom predictions indicate that a low power, low antenna height and/or directional antenna are expected to be necessary to meet outgoing interference criteria.

Within this advertised area, some isolated areas along the north coast of the island of Anglesey may be subject to higher levels of incoming interference from small-scale DAB multiplexes that may already be on-air or may come on air in the future. Further details are given in Ofcom's Technical Policy Guidance for DAB multiplex licensees (paragraph 4.14 onwards).

Interference into the Republic of Ireland should be kept to a minimum. We request that networks are designed to minimise levels of field strength towards the land and sea borders of the Republic of Ireland by careful site selection, limitation of maximum transmitter powers and the use of directional transmitting antennas as appropriate. It should be noted that, if future developments within the Republic of Ireland result in their need to use Band III spectrum, Ireland has the rights to implement networks in line with existing international agreements. In the event this happens, Ofcom will work with the SSDAB licence holder(s) to resolve any potential interference issues, and this could potentially require a change of transmission frequency or other measures.

See [licence area data](#) and [population data](#) for this region.

Ards Peninsula



Licence area population: 263,368

Size of licence area (km²): 1,746 km²

Reserved C-DSP capacity: SIX services

Local DAB service 1 (and licence area population): Northern Ireland (1,456,160)

Local DAB service 1 population overlap (and percentage): 263,368 (18.1%)

Proposed frequency block: 8B

Possible co-block small-scale DAB licence areas to be protected: Coleraine, Kintyre, Islay & Jura, Armagh, Portadown & Craigavon and Cookstown & Dungannon.

Additional information: Within this advertised area, areas around Carryduff, west of Saintfield and around Ballynahinch as well as east of Holywood may be subject to higher levels of incoming interference from small-scale DAB multiplexes that may already be on-air or may come on air in the future. Further details are given in Ofcom's Technical Policy Guidance for DAB multiplex licensees (paragraph 4.14 onwards).

As a result of proximity and topography, it may be challenging for applicants to maintain outgoing interference below the levels specified in the Notes of Guidance within the western parts of the Ballymena small-scale DAB area, particularly on the high ground of Agnes's Mountain and Tardree Forest. While some

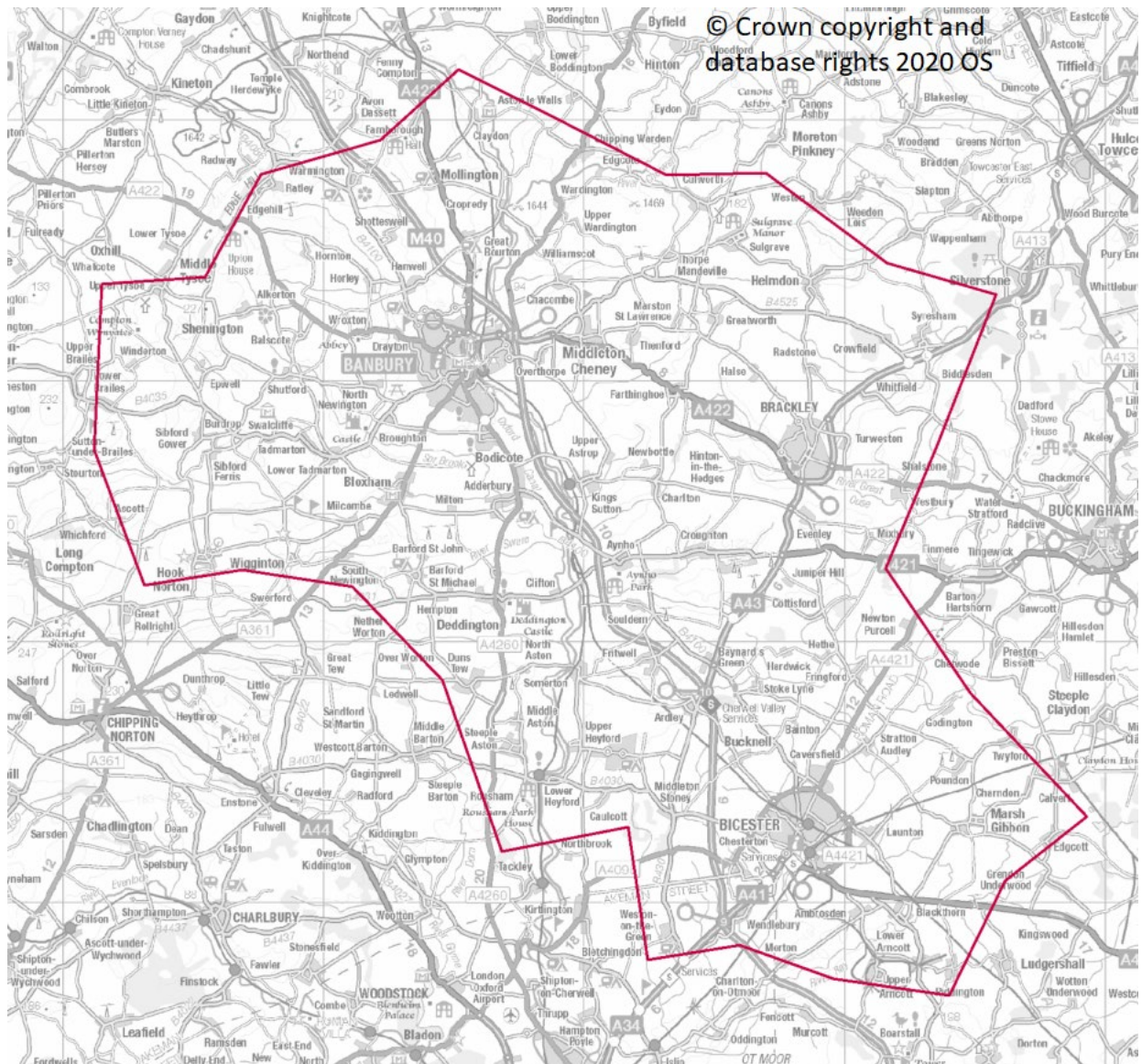
interference into these listed areas may be unavoidable, Ofcom expects applicants to keep it to a minimum.

Where it will not detrimentally effect wanted coverage, Ofcom will also expect applicants to minimise interference toward south-west Scotland and the Isle of Man by implementing directional antennas at coastal transmitter sites.

Interference into the Republic of Ireland should be kept to a minimum. We request that networks are designed to minimise levels of field strength towards the land and sea borders of the Republic of Ireland by careful site selection, limitation of maximum transmitter powers and the use of directional transmitting antennas as appropriate. It should be noted that, if future developments within the Republic of Ireland result in their need to use Band III spectrum, Ireland has the rights to implement networks in line with existing international agreements. In the event this happens, Ofcom will work with the SSDAB licence holder(s) to resolve any potential interference issues, and this could potentially require a change of transmission frequency or other measures.

See [licence area data](#) and [population data](#) for this region.

Banbury & Bicester



Licence area population: 121,661

Size of licence area (km²): 765 km²

Reserved C-DSP capacity: THREE services

Local DAB service 1 (and licence area population): Coventry (749,125)

Local DAB service 1 population overlap (and percentage): 1,766 (0.2%)

Local DAB service 2 (and licence area population): Herts, Beds & Bucks (2,008,567)

Local DAB service 2 population overlap (and percentage): 2,023 (0.1%)

Local DAB service 3 (and licence area population): Northamptonshire (531,211)

Local DAB service 3 population overlap (and percentage): 3,053 (0.6%)

Local DAB service 4 (and licence area population): Oxfordshire (531,992)

Local DAB service 4 population overlap (and percentage): 114,819 (21.6%)

Proposed frequency block: 9C

Possible co-block small-scale DAB licence areas to be protected: Market Harborough, Corby & Kettering, Wellingborough, Bedford, Luton, South Buckinghamshire, Newbury, Swindon & Marlborough, Cirencester, Cheltenham & Tewkesbury, Bromsgrove, Kidderminster & Redditch, and South Birmingham

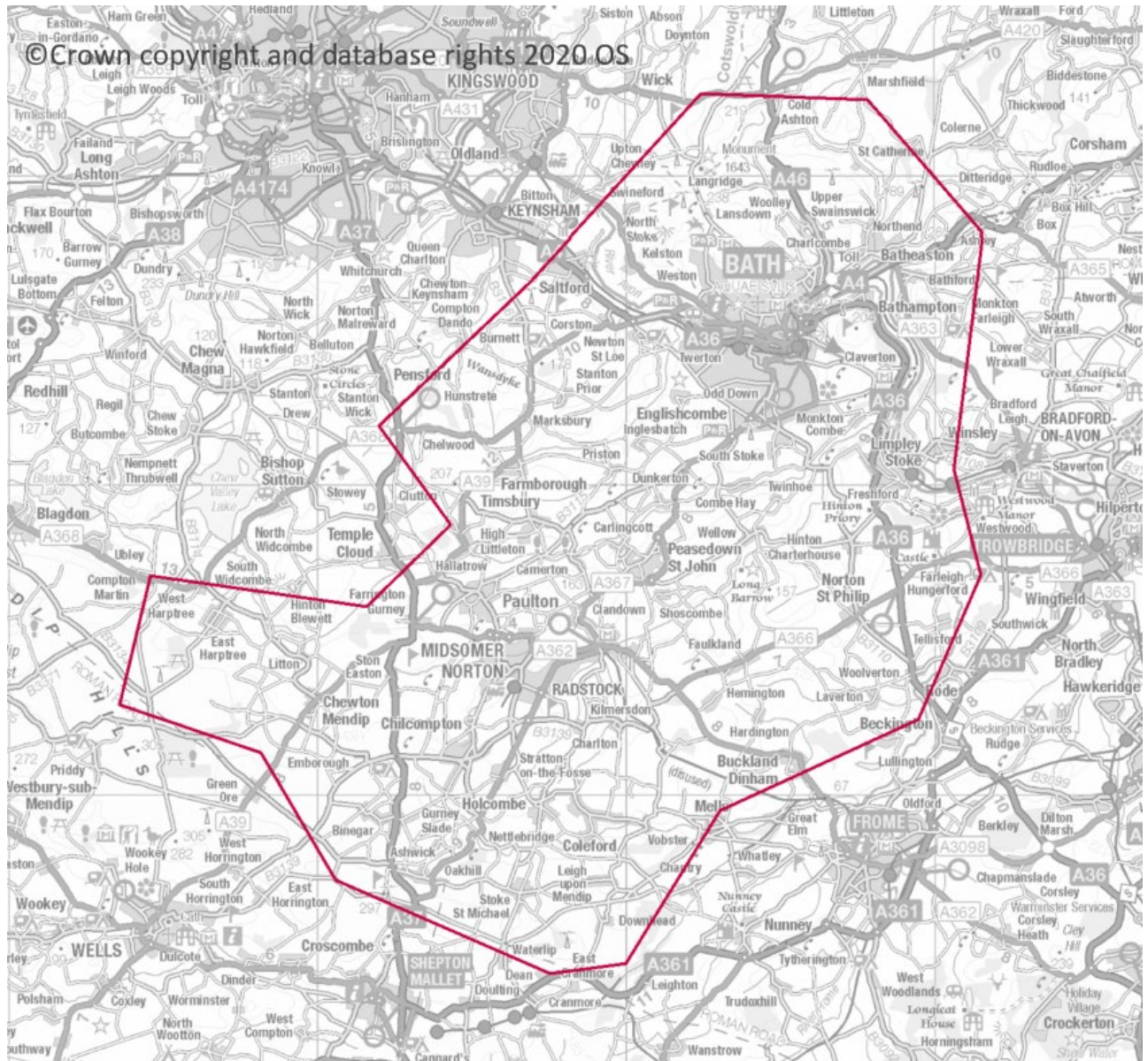
Additional information:

Within this advertised area, the part of the Cotswolds along a ridge of high ground from The Brailles to Ratley, an area north of Brackley and along the B4525 from Shortgrove Wood to Thenford Hill as well as an area north of Brackley to the M40/A43 junction may be subject to higher levels of incoming interference from small-scale DAB multiplexes that may already be on-air or may come on air in the future. Further details are given in Ofcom's Technical Policy Guidance for DAB multiplex licensees (paragraph 4.14 onwards).

As a result of proximity and topography, it may be challenging for applicants to maintain outgoing interference below the levels specified in the Notes of Guidance around Naseby within the Market Harborough small-scale DAB area, around Zouches Farm and high ground from Dunstable southwest to Whipsnade in the Luton small-scale DAB area, the Chiltern Ridge in the South Buckinghamshire small-scale DAB area, and within the South Birmingham small-scale DAB area straddling the M42 from junctions 2 to 4 including the northern end of the M40 and Hopwood. While some interference into these listed areas may be unavoidable, Ofcom expects applicants to keep it to a minimum.

See [licence area data](#) and [population data](#) for this region.

Bath & Midsomer Norton



Licence area population: 141,275

Size of licence area (km²): 445 km²

Reserved C-DSP capacity: FOUR services

Local DAB service 1 (and licence area population): Bath & Bristol (905,061)

Local DAB service 1 population overlap (and percentage): 135,423 (15.0%)

Local DAB service 2 (and licence area population): Somerset (522,893)

Local DAB service 2 population overlap (and percentage): 11,899 (2.2%)

Local DAB service 3 (and licence area population): Wiltshire (614,196)

Local DAB service 3 population overlap (and percentage): 3,898 (0.6%)

Proposed frequency block: 8A

Possible co-block small-scale DAB licence areas to be protected: Gloucester, Cirencester, Newbury, Salisbury, Weymouth, Dorchester & Bridport, Taunton, Bridgend, and Newport & Chepstow.

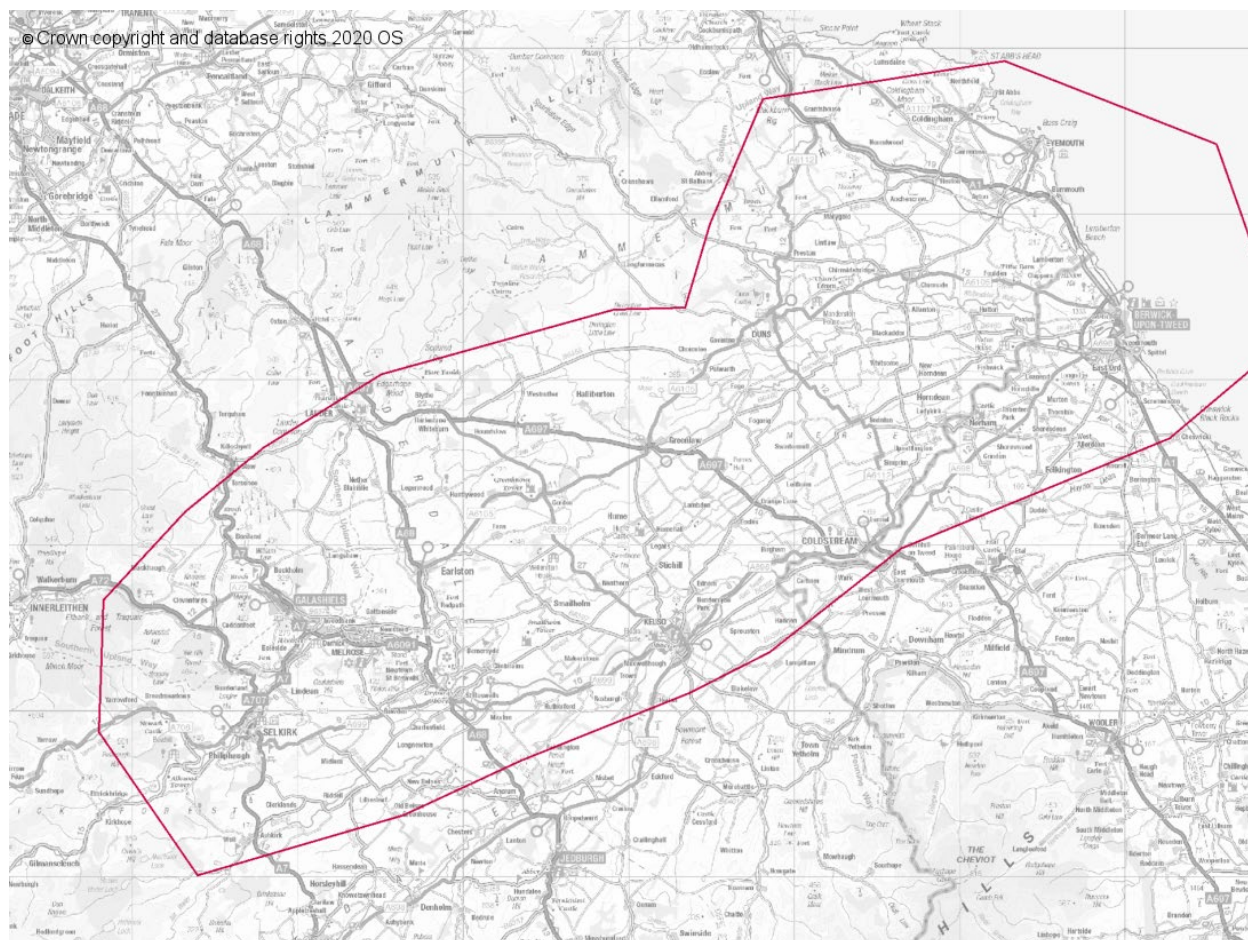
Additional information: If applicants wish to use the Mendip or Bath transmitter sites, Ofcom predictions indicate that a low power, low antenna height and/or directional antenna are expected to be necessary to meet outgoing interference criteria.

Within this advertised area, high ground of the Mendip Hills and the southern Cotswolds as well as the ridge from Coombe Hay to Bathampton may be subject to higher levels of incoming interference from small-scale DAB multiplexes that may already be on-air or may come on air in the future. Further details are given in Ofcom's Technical Policy Guidance for DAB multiplex licensees (paragraph 4.14 onwards).

As a result of proximity and topography, it may be challenging for applicants to maintain outgoing interference below the levels specified in the Notes of Guidance within the Forest of Dean parts of the Newport & Chepstow small-scale DAB area and high ground within the south-western parts of the Cirencester small-scale DAB area. While some interference into these listed areas may be unavoidable, Ofcom expects applicants to keep it to a minimum.

See [licence area data](#) and [population data](#) for this region.

Berwickshire and North Roxburgh



Licence area population: 67,927

Size of licence area (km²): 1,709 km²

Reserved C-DSP capacity: FOUR services

Local DAB service 1 (and licence area population): Edinburgh (1,266,453)

Local DAB service 1 population overlap (and percentage): 69 (0.01%)

Local DAB service 2 (and licence area population): Tyne & Wear (1,475,294)

Local DAB service 2 population overlap (and percentage): 13,277 (0.9%)

Proposed frequency block: 7D

Possible co-block small-scale DAB licence areas to be protected: Glenrothes & Kirkcaldy, Sunderland, Carlisle & Penrith, Girvan & Cumnock and Paisley & West Glasgow.

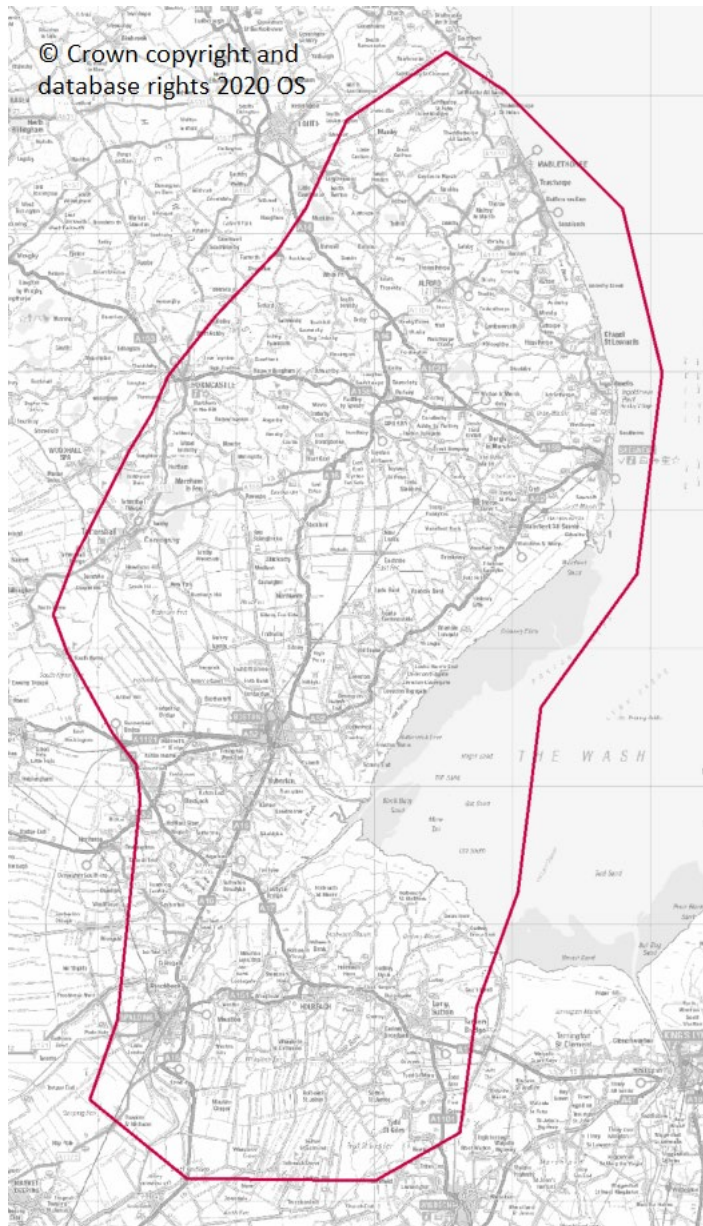
Additional information: This advertised area lies within a future Scottish Borders local DAB multiplex area. As the area for this service is yet to be defined no 40% local DAB overlap calculation will be made during the assessment process.

Ofcom does not expect there to be any significant outgoing or incoming interference issues for this licence.

See [licence area data](#) and [population data](#) for this region.

Note that in previous Ofcom documents, this advertised area has been referred to as “Scottish Borders (eastern)”. The renaming is to better describe the area covered (and to recognise that there are no current plans to advertise a small-scale radio multiplex licence in the western part of the Scottish borders). It does not reflect any change in the localities covered.

Boston, Spalding & Skegness



Licence area population: 195,906

Size of licence area (km²): 2,327 km²

Reserved C-DSP capacity: FOUR services

Local DAB service 1 (and licence area population): Lincolnshire (746,575)

Local DAB service 1 population overlap (and percentage): 132,906 (17.8%)

Local DAB service 2 (and licence area population): Peterborough (442,822)

Local DAB service 2 population overlap (and percentage): 63,000 (14.2%)

Proposed frequency block: 8B

Possible co-block small-scale DAB licence areas to be protected: Bury St Edmunds, Thetford & Mildenhall, Huntingdon & Surroundings, Corby & Kettering, Market Harborough, Leicester, Loughborough & Coalville, Newark-on-Trent, Doncaster, and Scunthorpe.

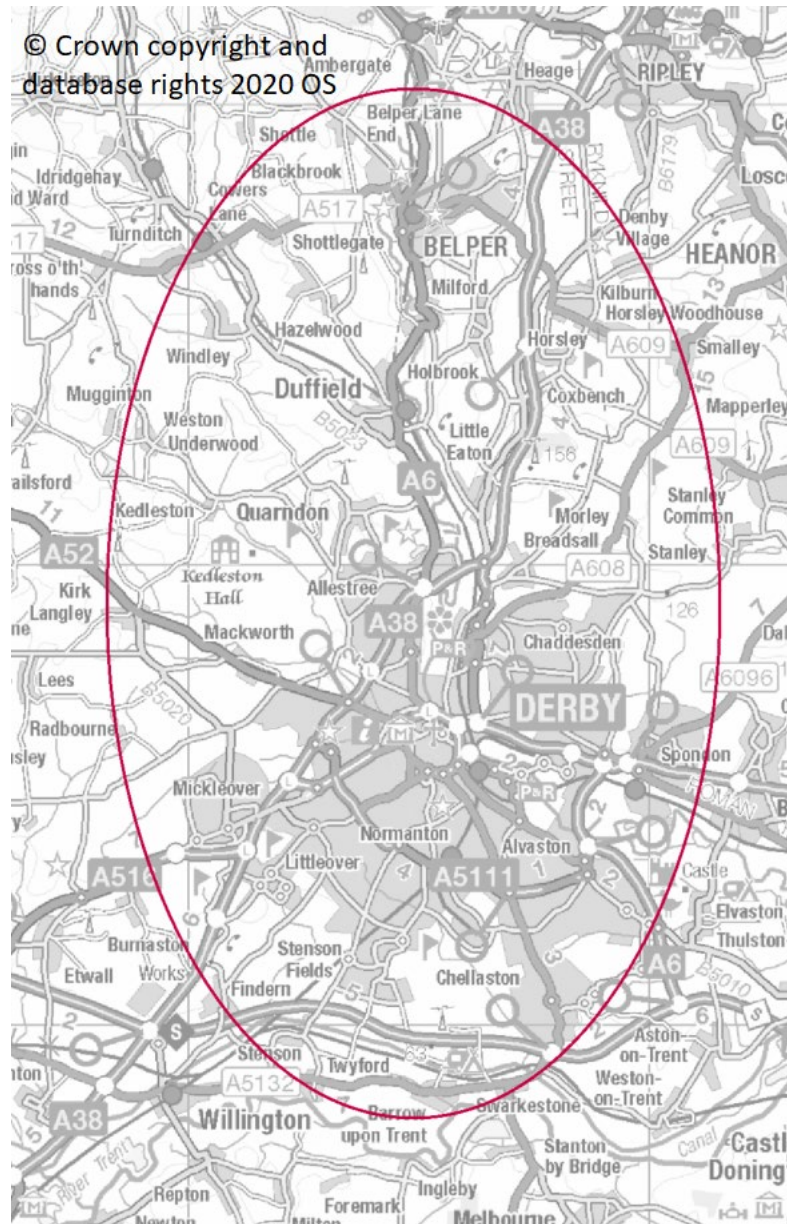
Additional information: If applicants wish to use the Spalding Grove transmitter site, Ofcom predictions indicate that a low power and/or directional antenna are expected to be necessary to meet outgoing interference criteria.

Within this advertised area, the northern edge of the area including Mablethorpe and the southern edge south of Spalding and Holbeach may be subject to higher levels of incoming interference from small-scale DAB multiplexes that may already be on-air or may come on air in the future. Further details are given in Ofcom's Technical Policy Guidance for DAB multiplex licensees (paragraph 4.14 onwards).

As a result of proximity and topography, it may be challenging for applicants to maintain outgoing interference below the levels specified in the Notes of Guidance within the northern parts of the Huntingdon & Surrounds small-scale DAB and parts of Rockingham Forest within the Kettering & Corby small-scale DAB area. While some interference into these listed areas may be unavoidable, Ofcom expects applicants to keep it to a minimum.

See [licence area data](#) and [population data](#) for this region.

Derby



Licence area population: 244,356

Size of licence area (km²): 230 km²

Reserved C-DSP capacity: SIX services

Local DAB service 1 (and licence area population): Derbyshire (647,026)

Local DAB service 1 population overlap (and percentage): 244,356 (37.8%)

Local DAB service 2 (and licence area population): Nottinghamshire (1,007,638)

Local DAB service 2 population overlap (and percentage): 2,577 (0.3%)

Proposed frequency block: 9C

Possible co-block small-scale DAB licence areas to be protected: Sheffield & Rotherham, Newark-on-Trent, Rutland & Stamford, Market Harborough, Nuneaton & Hinckley, Wolverhampton, Telford & Shrewsbury, Stoke & Newcastle, Congleton & Leek and Glossop & Buxton.

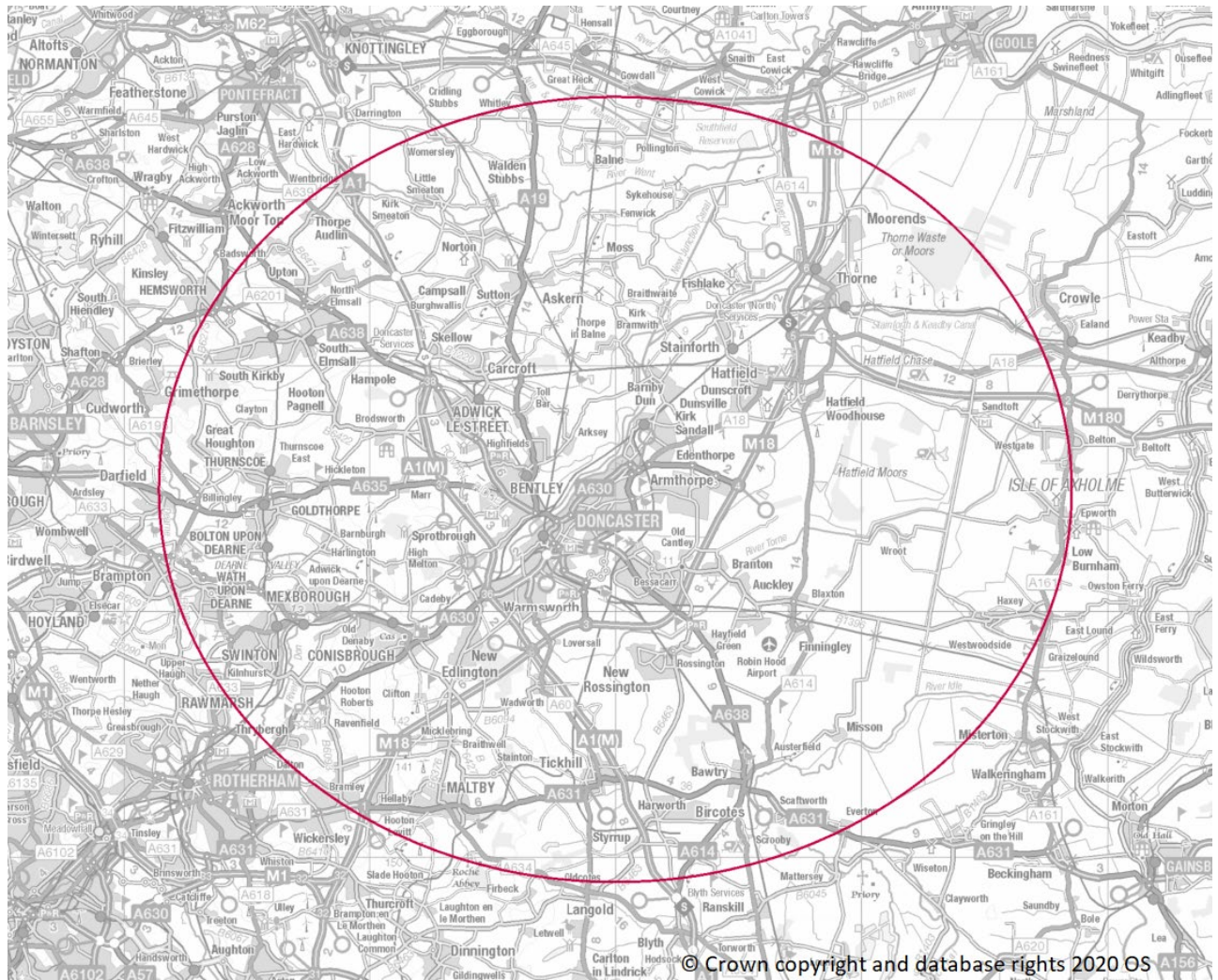
Additional information:

Within this advertised area, elevated areas around Quarndon, Drum Hill and Morley Moor may be subject to higher levels of incoming interference from small-scale DAB multiplexes that may already be on-air or may come on air in the future. Further details are given in Ofcom's Technical Policy Guidance for DAB multiplex licensees (paragraph 4.14 onwards).

As a result of proximity and topography, it may be challenging for applicants to maintain outgoing interference below the levels specified in the Notes of Guidance on the high ground around Tilton-on-the-Hill in the Rutland & Stamford small-scale DAB area, high ground around Kibworth & Illston-on-the-Hill within the Market Harborough small-scale DAB area, an area southwest of Atherstone within the Nuneaton & Hinckley small-scale DAB area, some areas east of the A520 around Fulford and Blakeley Lane within the Stoke & Newcastle small-scale DAB area, within the Congleton & Leek small-scale DAB area high moorland areas to the east of Leek. While some interference into these listed areas may be unavoidable, Ofcom expects applicants to keep it to a minimum.

See [licence area data](#) and [population data](#) for this region.

Doncaster



Licence area population: 363,712

Size of licence area (km²): 905 km²

Reserved C-DSP capacity: SIX services

Local DAB service 1 (and licence area population): Humberside (777,380)

Local DAB service 1 population overlap (and percentage): 7,063 (0.9%)

Local DAB service 2 (and licence area population): Leeds (1,152,218)

Local DAB service 2 population overlap (and percentage): 22,177 (1.9%)

Local DAB service 3 (and licence area population): Lincolnshire (746,575)

Local DAB service 3 population overlap (and percentage): 6,366 (0.9%)

Local DAB service 4 (and licence area population): North Yorkshire (670,391)

Local DAB service 4 population overlap (and percentage): 1,197 (0.2%)

Local DAB service 5 (and licence area population): South Yorkshire (1,416,988)

Local DAB service 5 population overlap (and percentage): 333,845 (23.6%)

Proposed frequency block: 8A

Possible co-block small-scale DAB licence areas to be protected: Wetherby & Harrogate, Malton, East Hull, Grimsby, Newark-on-Trent, Nottingham, Erewash, Derby, Glossop & Buxton, Huddersfield, and South Craven, Wharfedale and Worth Valley.

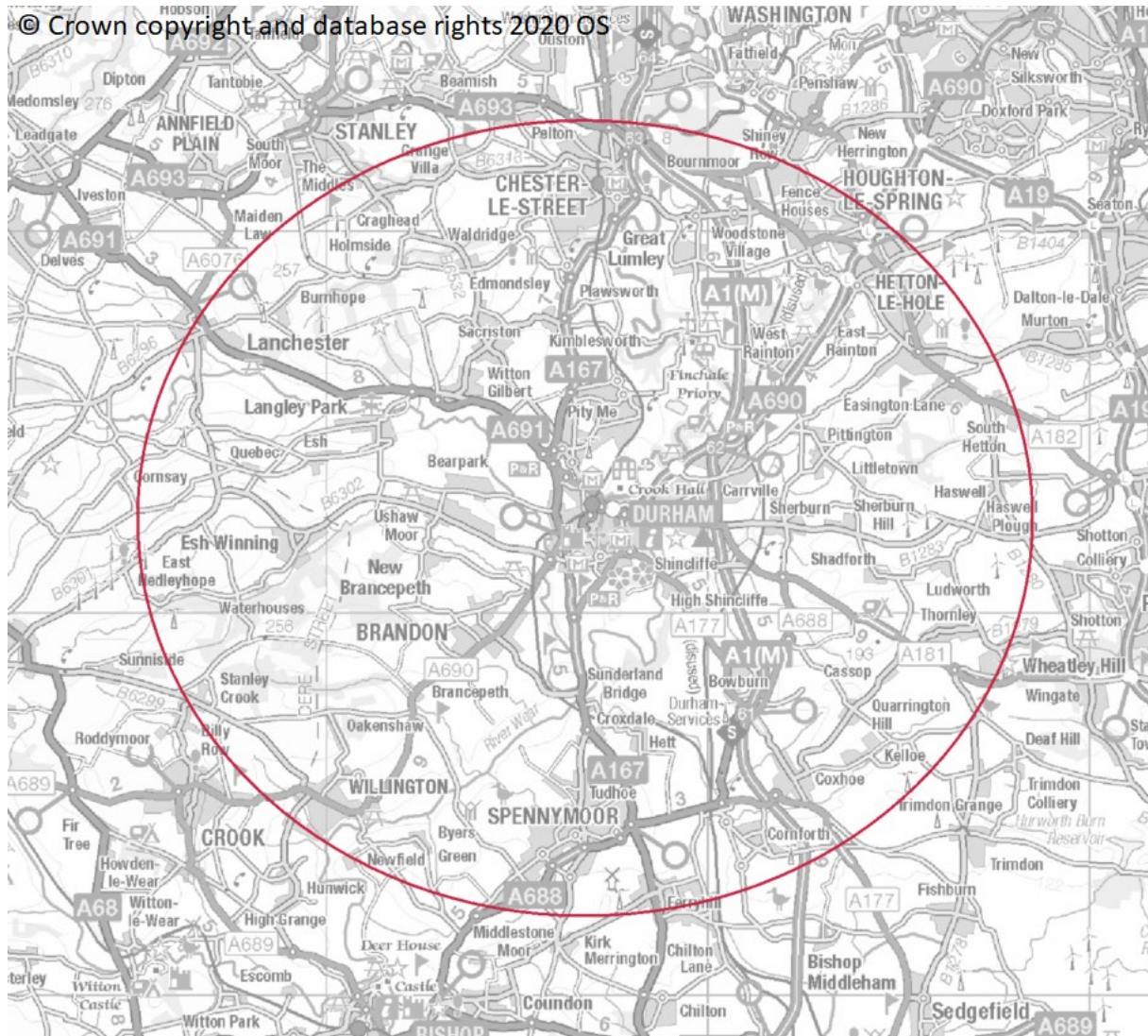
Additional information: If applicants wish to use the Clifton transmitter site, Ofcom predictions indicate that a low power, low antenna height and/or directional antenna are expected to be necessary to meet outgoing interference criteria.

Due to high levels of demand in the region, significant parts of this advertised area are expected to be subject to greater levels of incoming interference from small-scale DAB multiplexes that may already be on-air or may come on-air in the future. Further details are given in Ofcom's Technical Policy Guidance for DAB multiplex licensees (paragraph 4.14 onwards). In particular, the following areas might be subject to greater levels of interference, high ground around Clifton, the area between Melton Wood & Hickleton, north-western parts of the area between South Emsall & Jackson's Hill, south of Pocklington and Hatfield Moors.

As a result of proximity and topography, it may be challenging for applicants to maintain outgoing interference below the levels specified in the Notes of Guidance around Acklam Wold within the Malton small-scale DAB area and around Farnley Tyas & Scapegoat Hill within the Huddersfield small-scale DAB area. While some interference into these listed areas may be unavoidable, Ofcom expects applicants to keep it to a minimum.

See [licence area data](#) and [population data](#) for this region.

Durham



Licence area population: 184,372

Size of licence area (km²): 378 km²

Reserved C-DSP capacity: FOUR services

Local DAB service 1 (and licence area population): Teesside (800,680)

Local DAB service 1 population overlap (and percentage): 12,944 (1.6%)

Local DAB service 2 (and licence area population): Tyne & Wear (1,475,294)

Local DAB service 2 population overlap (and percentage): 171,428 (11.6%)

Proposed frequency block: 9A

Possible co-block small-scale DAB licence areas to be protected: Malton, Wetherby & Harrogate, South Craven, Wharfedale & Worth Valley and Carlisle & Penrith.

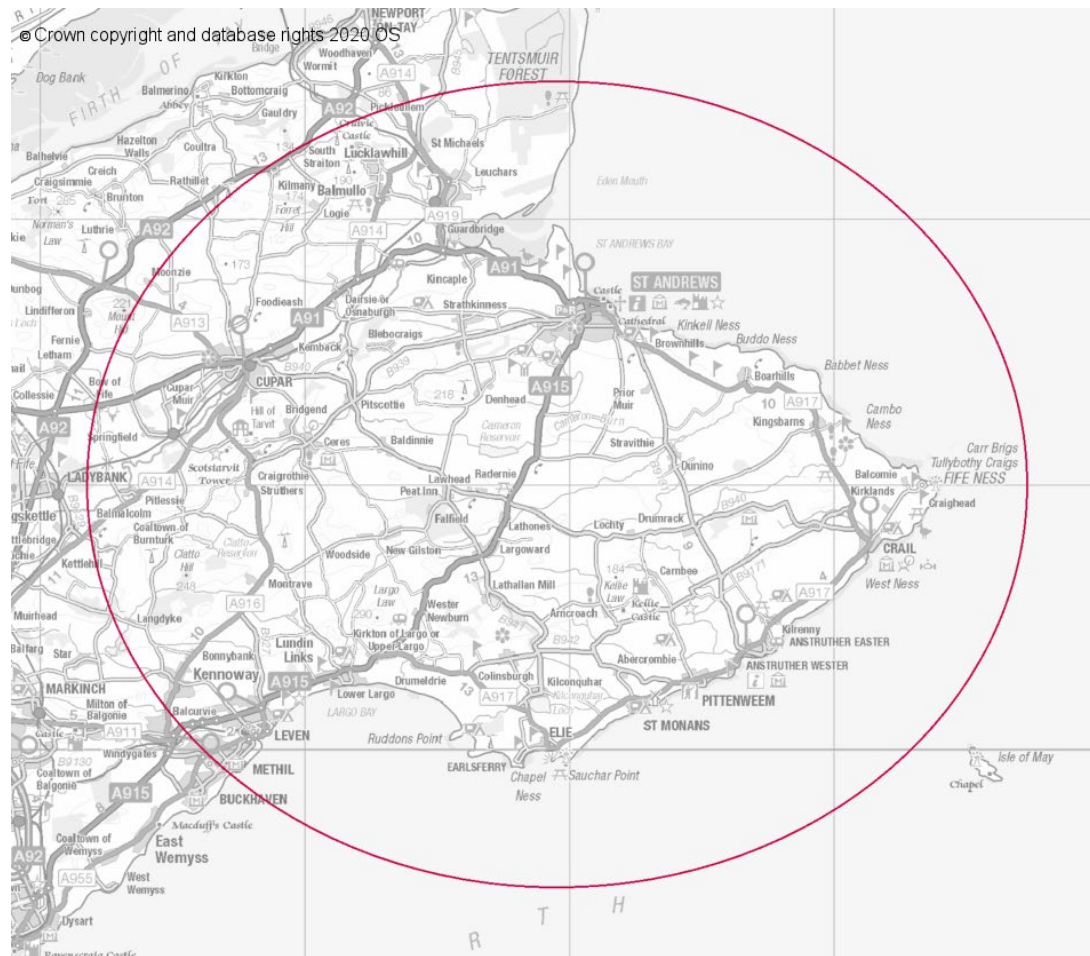
Additional information:

If applicants wish to use the Burnhope transmitter site, Ofcom predictions indicate that a low power, low antenna height and/or directional antenna are expected to be necessary to meet outgoing interference criteria.

Ofcom does not expect there to be any significant outgoing interference issues if levels from the Burnhope site are restricted. There are not expected to be any significant incoming interference issues.

See [licence area data](#) and [population data](#) for this region.

East Fife



Licence area population: 62,361

Size of licence area (km²): 827 km²

Reserved C-DSP capacity: THREE services

Local DAB service 1 (and licence area population): Edinburgh (1,266,453)

Local DAB service 1 population overlap (and percentage): 62,361 (4.9%)

Local DAB service 2 (and licence area population): Tayside (479,208)

Local DAB service 2 population overlap (and percentage): 62,361 (13.0%)

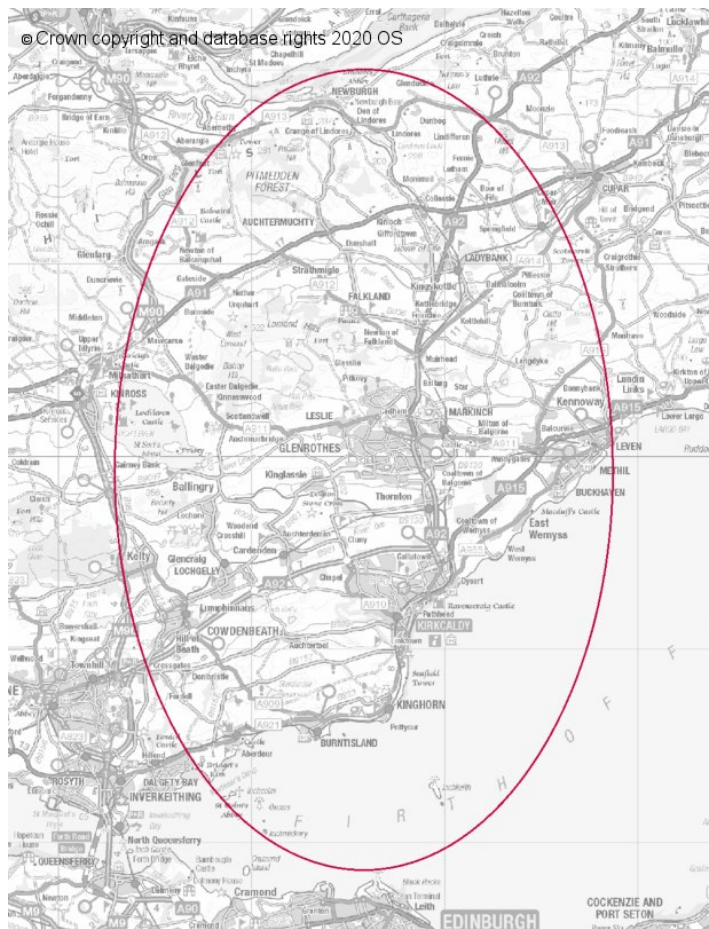
Proposed frequency block: 9C

Possible co-block small-scale DAB licence areas to be protected: South Aberdeen and Stirling & Falkirk.

Additional information: Ofcom does not expect there to be any significant outgoing or incoming interference issues for this licence.

See [licence area data](#) and [population data](#) for this region.

Glenrothes & Kirkcaldy



Licence area population: 165,541

Size of licence area (km²): 807 km²

Reserved C-DSP capacity: FOUR services

Local DAB service 1 (and licence area population): Edinburgh (1,266,453)

Local DAB service 1 population overlap (and percentage): 165,156 (13.0%)

Local DAB service 2 (and licence area population): Tayside (479,208)

Local DAB service 2 population overlap (and percentage): 78,312 (16.3%)

Proposed frequency block: 7D

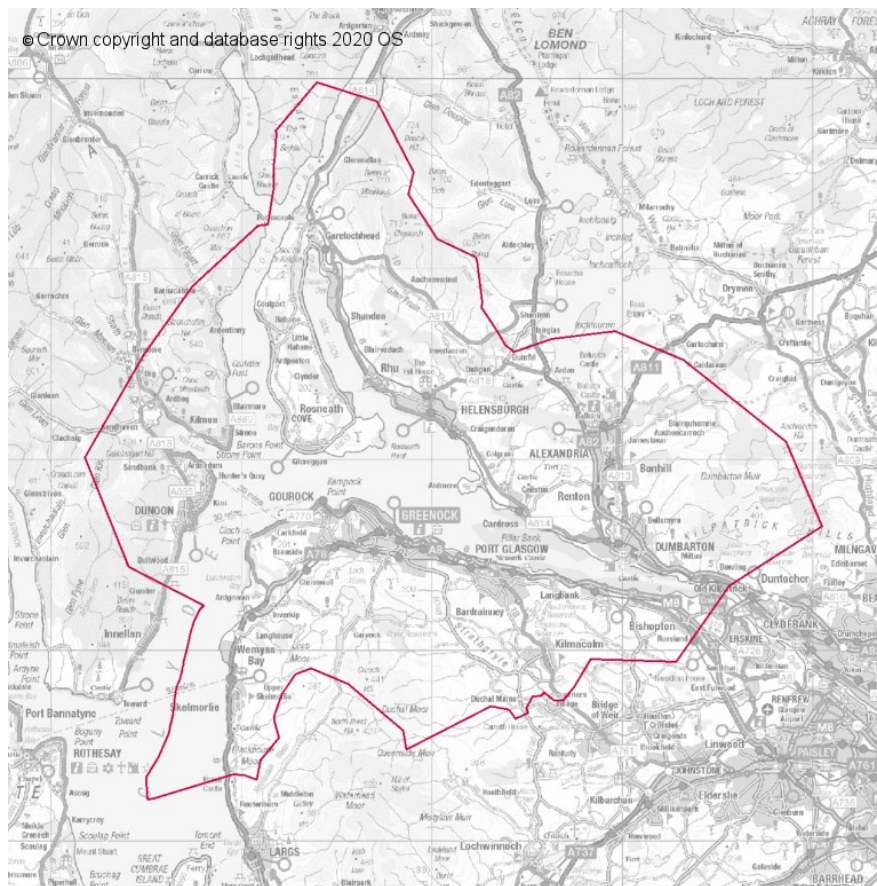
Possible co-block small-scale DAB licence areas to be protected: South Aberdeen, Scottish Borders, Girvan & Cumnock, and Paisley & West Glasgow.

Additional information:

Ofcom does not expect there to be any significant outgoing or incoming interference issues for this licence.

See [licence area data](#) and [population data](#) for this region.

Inverclyde



Licence area population: 142,526

Size of licence area (km²): 746 km²

Reserved C-DSP capacity: THREE services

Local DAB service 1 (and licence area population): Glasgow (1,888,146)

Local DAB service 1 population overlap (and percentage): 142,292 (7.5%)

Proposed frequency block: 10B

Possible co-block small-scale DAB licence areas to be protected: Oban, Perth, Dunfermline & Kinross, Edinburgh, Ayr, Troon & Irvine, and Girvan & Cumnock.

Additional information: If applicants wish to use the Rothesay transmitter site, Ofcom predictions indicate that a low power, low antenna height and/or directional antenna are expected to be necessary to meet outgoing interference criteria.

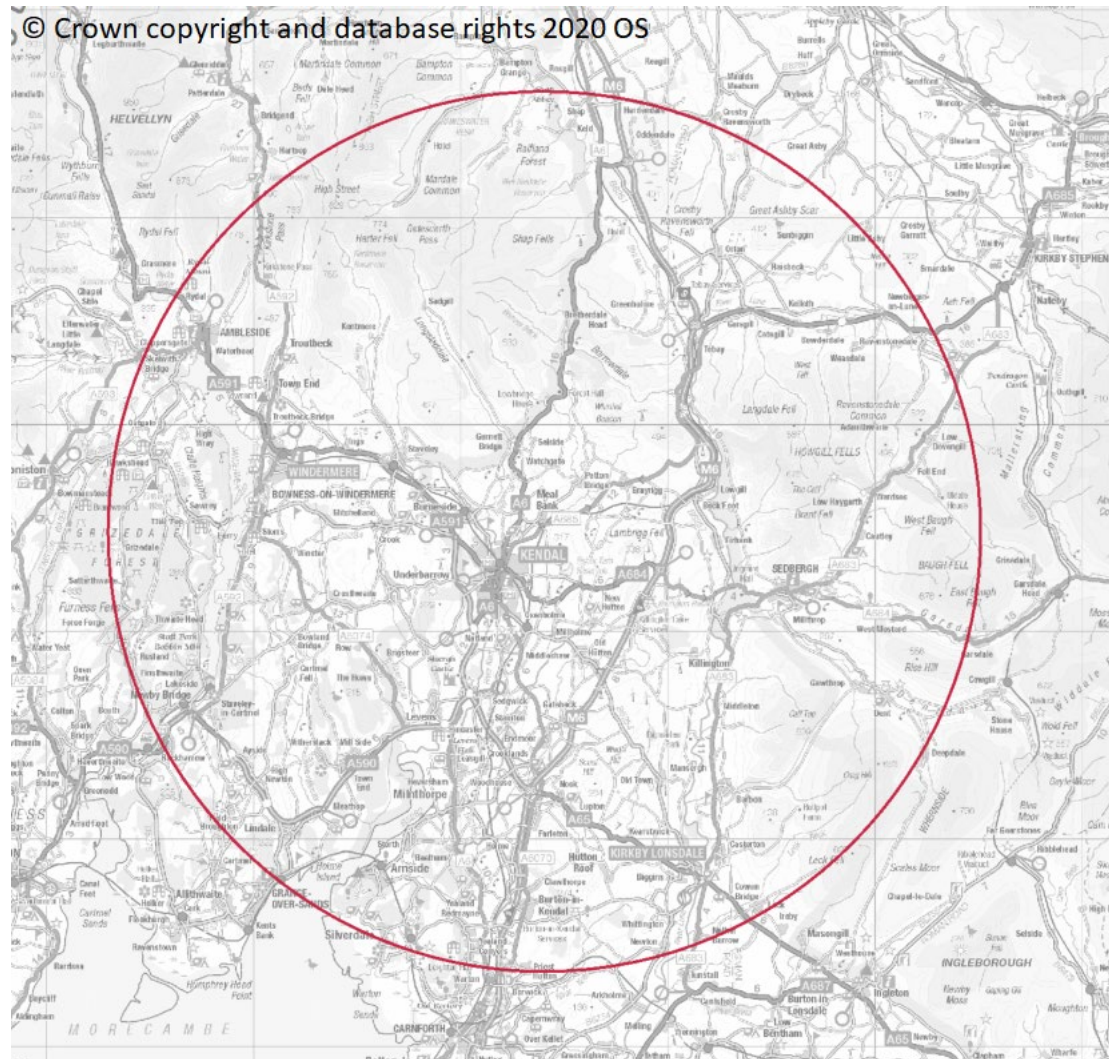
Due to the terrain within this advertised area applicants should expect that some largely unpopulated high ground may be subject to higher levels of incoming interference from small-scale DAB multiplexes that may already be on-air or may come on air in the future. This includes the Kirkpatrick Hills, areas between Helensburgh & Alexandria, an area from Beinn Ruisg to Beinn Chaorach, and parts of the Muirshiel Regional

Park. Further details are given in Ofcom's Technical Policy Guidance for DAB multiplex licensees (paragraph 4.14 onwards).

Ofcom does not expect there to be any significant outgoing interference issues if levels from the Rothesay site are restricted.

See [licence area data](#) and [population data](#) for this region.

Kendal & Windermere



Licence area population: 65,665

Size of licence area (km²): 1,373 km²

Reserved C-DSP capacity: THREE services

Local DAB service 1 (and licence area population): Lancashire (1,287,627)

Local DAB service 1 population overlap (and percentage): 1,501 (0.1%)

Local DAB service 2 (and licence area population): Morecambe Bay (282,730)

Local DAB service 2 population overlap (and percentage): 62,924 (22.3%)

Local DAB service 3 (and licence area population): North-west Cumbria (267,793)

Local DAB service 3 population overlap (and percentage): 2,741 (1.0%)

Proposed frequency block: 8A

Possible co-block small-scale DAB licence areas to be protected: Newcastle & Gateshead, Darlington & Bishops Auckland, Catterick, Ripon & Thirsk, Blackburn, Burnley & Darwen, Southport, Wirral, Rhyl, Ruthin & Mold and Workington & Whitehaven.

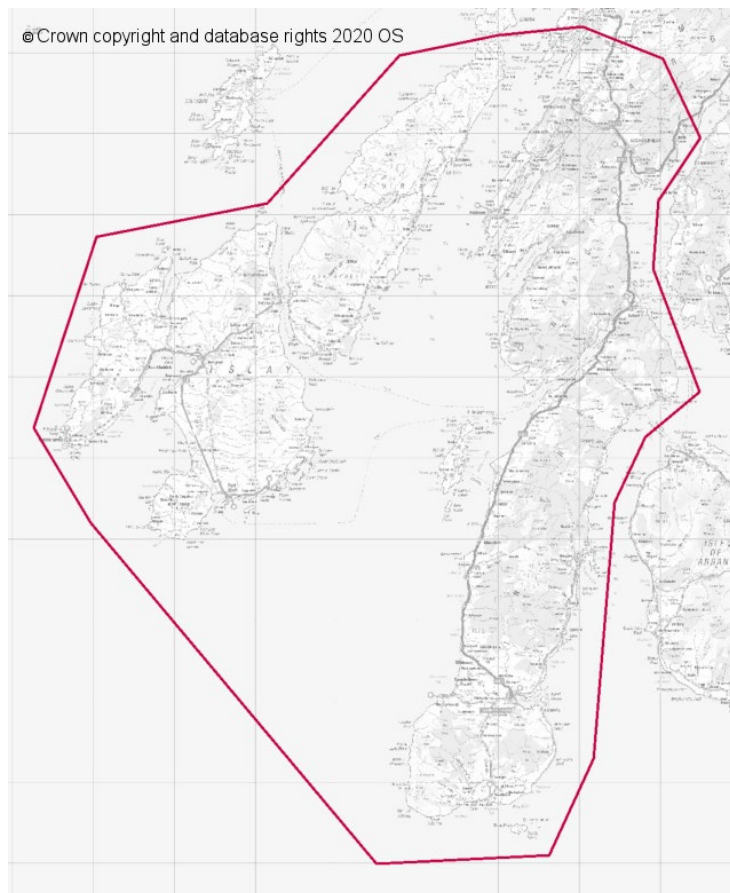
Additional information:

Due to the terrain within this advertised area applicants should expect that many of the high hill tops may be subject to higher levels of incoming interference from small-scale DAB multiplexes that may already be on-air or may come on air in the future. Further details are given in Ofcom's Technical Policy Guidance for DAB multiplex licensees (paragraph 4.14 onwards).

As a result of proximity and topography, it may be challenging for applicants to maintain outgoing interference below the levels specified in the Notes of Guidance within the elevated southern and south-eastern parts the Workington & Whitehaven small-scale DAB area, particularly between Black Combe and High Stones. While some interference into these listed areas may be unavoidable, Ofcom expects applicants to keep it to a minimum.

See [licence area data](#) and [population data](#) for this region.

Kintyre, Islay & Jura



Licence area population: 16,131

Size of licence area (km²): 5,507 km²

Reserved C-DSP capacity: THREE services

Local DAB service 1 (and licence area population): Not applicable – see additional information below.

Local DAB service 1 population overlap (and percentage): Not applicable – see additional information below.

Proposed frequency block: 8A

Possible co-block small-scale DAB licence areas to be protected: Cumbernauld & Coatbridge, Portadown & Craigavon and Omagh.

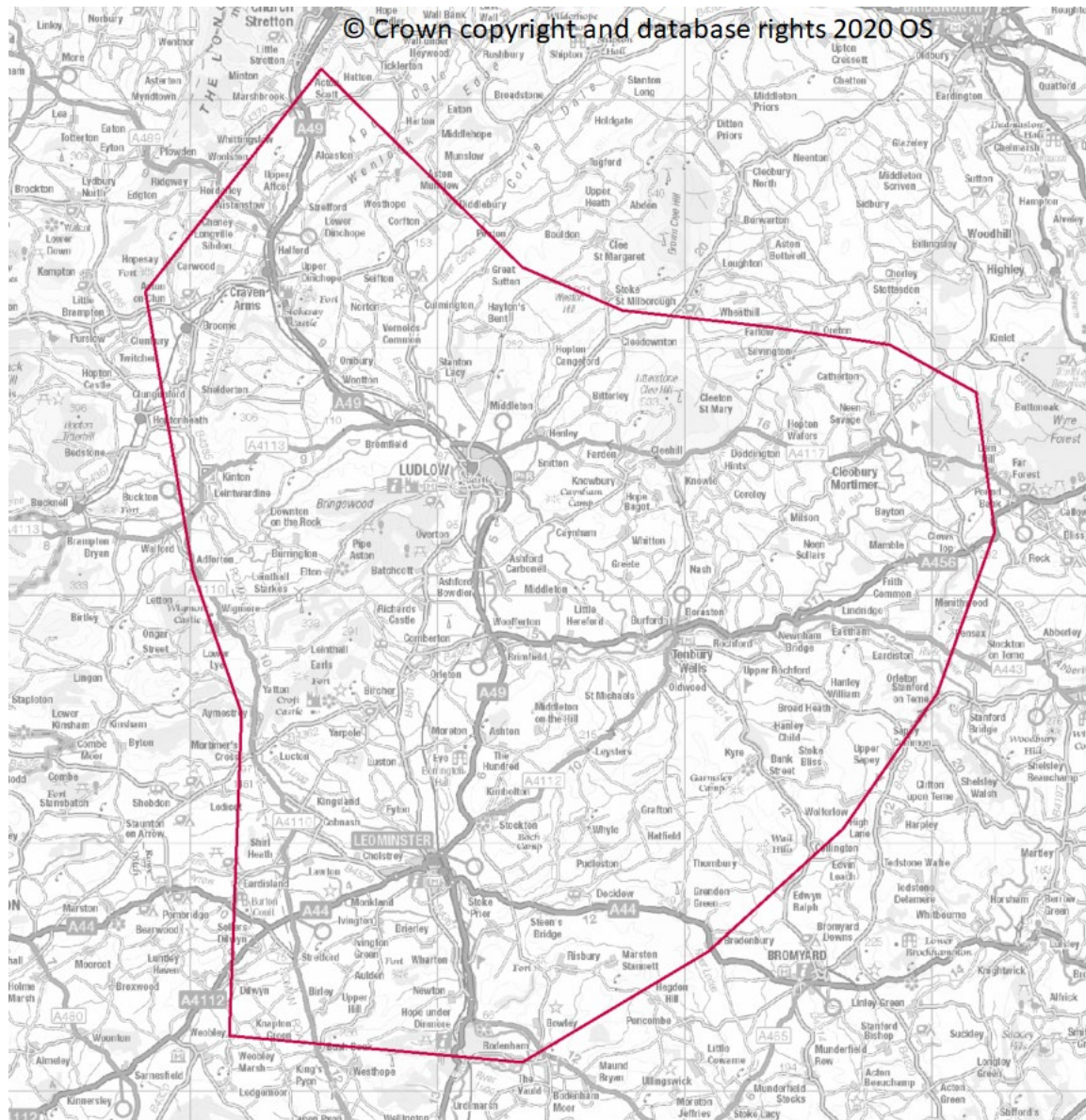
Additional information: The Kintyre, Islay & Jura small-scale DAB area falls within a possible future, yet to be defined, local DAB licence area for the west of Scotland. The advertised small-scale DAB area does not overlap any existing local DAB multiplex therefore Ofcom will not carry out 40% overlap calculations during the assessment process.

Ofcom does not expect there to be any significant outgoing or incoming interference issues for this licence.

Interference into the Republic of Ireland should be kept to a minimum. We request that networks are designed to minimise levels of field strength towards the land and sea borders of the Republic of Ireland by careful site selection, limitation of maximum transmitter powers and the use of directional transmitting antennas as appropriate. It should be noted that if future developments within the Republic of Ireland result in their need to use Band III spectrum, Ireland has the rights to implement networks in line with existing international agreements. In the event this happens, Ofcom will work with the SSDAB licence holder(s) to resolve any potential interference issues, and this could potentially require a change of transmission frequency or other measures.

See [licence area data](#) and [population data](#) for this region.

Ludlow



Licence area population: 48,680

Size of licence area (km²): 879 km²

Reserved C-DSP capacity: THREE services

Local DAB service 1 (and licence area population): Hereford & Worcestershire (626,760)

Local DAB service 1 population overlap (and percentage): 24,849 (4.0%)

Local DAB service 2 (and licence area population): Wolverhampton & Shropshire (1,317,388)

Local DAB service 2 population overlap (and percentage): 23,831 (1.8%)

Local DAB service 3 (and licence area population):

Local DAB service 3 population overlap (and percentage):

Proposed frequency block: 9B

Possible co-block small-scale DAB licence areas to be protected: Wrexham, Walsall, Coventry, Leamington Spa & Stratford-on-Avon, and Gloucester.

Additional information: If applicants wish to use a transmitter site on Clee Hill, Ofcom predictions indicate that a very low power and/or directional antenna are expected to be necessary to meet outgoing interference criteria.

Within this advertised area, some elevated areas such as Clee Hill, Claws Top, and Leinthall and between Leominster & Bromyard may be subject to higher levels of incoming interference from small-scale DAB multiplexes that may already be on-air or may come on air in the future. Further details are given in Ofcom’s Technical Policy Guidance for DAB multiplex licensees (paragraph 4.14 onwards).

As a result of proximity and topography, it may be challenging for applicants to maintain outgoing interference below the levels specified in the Notes of Guidance within the north-eastern edges of the Walsall and Welsh Valleys small-scale DAB areas. While some interference into these listed areas may be unavoidable, Ofcom expects applicants to keep it to a minimum.

Note that in previous Ofcom documents, this advertised area has been referred to as “Ludlow, Cleobury Mortimer & Tenbury Wells”. The renaming is for brevity and does not reflect any change in the localities covered.

See [licence area data](#) and [population data](#) for this region.

Newport & Chepstow



Licence area population: 223,077

Size of licence area (km²): 595 km²

Reserved C-DSP capacity: FOUR services

Local DAB service 1 (and licence area population): Gloucestershire (497,527)

Local DAB service 1 population overlap (and percentage): 4,695 (0.9%)

Local DAB service 2 (and licence area population): South-East Wales (1,154,815)

Local DAB service 2 population overlap (and percentage): 218,382 (18.9%)

Proposed frequency block: 8A

On-air local DAB licence areas to be protected: Ludlow, Cheltenham & Tewksbury, Cirencester, Chippenham & Malmesbury, Bath & Midsomer Norton, Taunton, Tiverton, Bridgend, and Brecon.

Additional information:

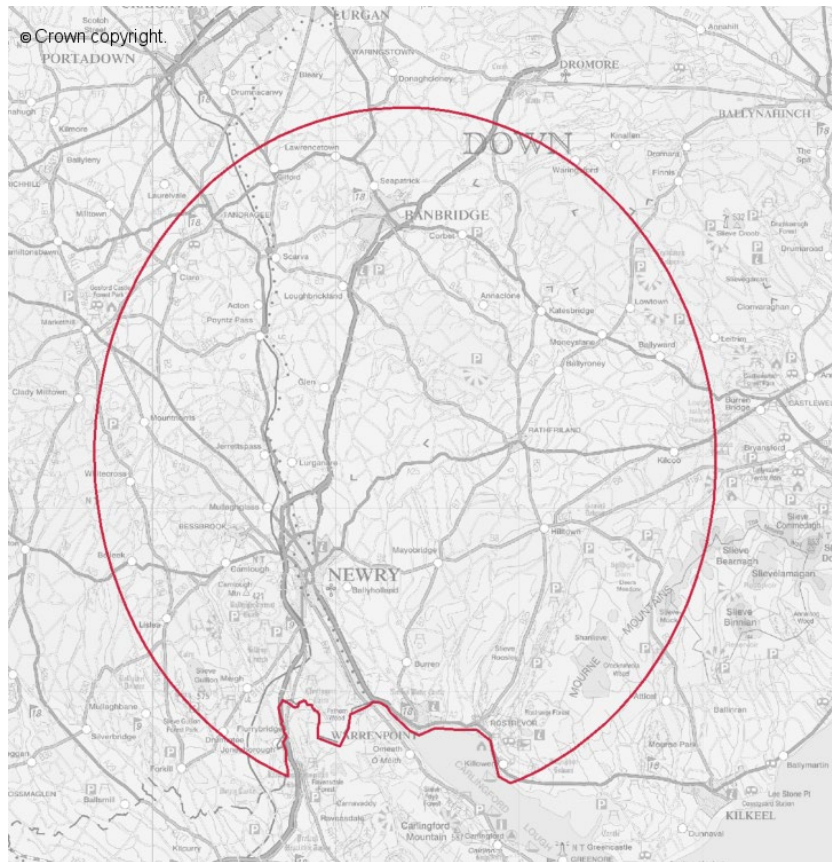
Due to the topography of the advertised area several sites (such as Christchurch, Pontypool and, particularly Mynydd Machen) cause significant outgoing interference issues. Ofcom predictions indicate that a low power, low antenna height and/or directional antenna are likely to be required to meet outgoing interference criteria.

As a result of proximity and topography, it may be challenging for applicants to maintain outgoing interference below the levels specified in the Notes of Guidance within the elevated parts of the Bath & Midsomer Norton small-scale DAB area, particularly on the Mendip Hills as well as parts of the Blackdown Hills within the Taunton small-scale DAB area. While some interference into these listed areas may be unavoidable, Ofcom expects applicants to keep it to a minimum.

Within this advertised area, areas of high ground west of the Ebbw valley and north of Risca as well as the Forest of Dean may be subject to higher levels of incoming interference from small-scale DAB multiplexes that may already be on-air or may come on air in the future. Further details are given in Ofcom's Technical Policy Guidance for DAB multiplex licensees (paragraph 4.14 onwards).

See [licence area data](#) and [population data](#) for this region.

Newry



Licence area population: 88,209

Size of licence area (km²): 1,004 km²

Reserved C-DSP capacity: FOUR services

Local DAB service 1 (and licence area population): Northern Ireland (1,456,160)

Local DAB service 1 population overlap (and percentage): 88,209 (6.5%)

Proposed frequency block: 9C

Possible co-block small-scale DAB licence areas to be protected: Coleraine, Ballymena, Enniskillen and Omagh as well as Anglesey & North Gwynedd.

Possible co-block small-scale DAB licence areas to be protected: Coleraine, Kintyre, Islay & Jura, Armagh, Portadown & Craigavon and Cookstown & Dungannon. Where it will not detrimentally effect wanted coverage, Ofcom will also expect applicants to minimise interference toward south-west Scotland and the Isle of Man by implementing directional antennas at coastal transmitter sites.

Additional information: If applicants wish to use the Camlough transmitter site, Ofcom predictions indicate that a low power, low antenna height and/or directional antenna are expected to be necessary to meet outgoing interference criteria

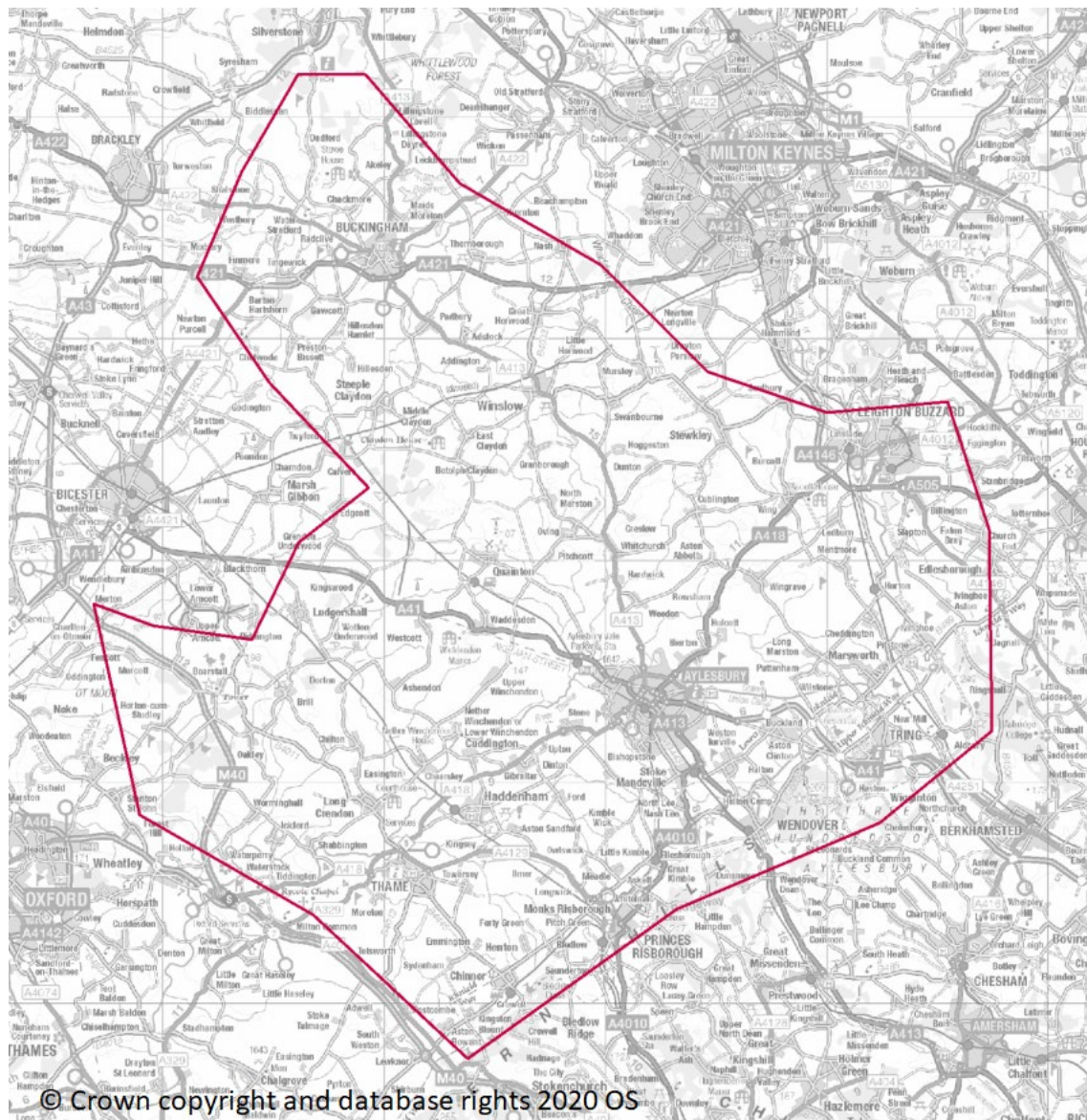
Within this advertised area, areas of high ground in the Mourne Mountains may be subject to higher levels of incoming interference from small-scale DAB multiplexes that may already be on-air or may come on air in the future. Further details are given in Ofcom's Technical Policy Guidance for DAB multiplex licensees (paragraph 4.14 onwards).

As a result of proximity and topography, it may be challenging for applicants to maintain outgoing interference below the levels specified in the Notes of Guidance within the southern parts of the Coleraine small-scale DAB area, particularly on the high ground of Springwell & Cam Forests as well as to the east and west of Kilrea. While some interference into these listed areas may be unavoidable, Ofcom expects applicants to keep it to a minimum.

Interference into the Republic of Ireland should be kept to a minimum. We request that networks are designed to minimise levels of field strength towards the land and sea borders of the Republic of Ireland by careful site selection, limitation of maximum transmitter powers and the use of directional transmitting antennas as appropriate. It should be noted that if future developments within the Republic of Ireland result in their need to use Band III spectrum, Ireland has the rights to implement networks in line with existing international agreements. In the event this happens, Ofcom will work with the SSDAB licence holder(s) to resolve any potential interference issues, and this could potentially require a change of transmission frequency or other measures.

See [licence area data](#) and [population data](#) for this region.

North Buckinghamshire



Licence area population: 203,736

Size of licence area (km²): 998 km²

Reserved C-DSP capacity: FOUR services

Local DAB service 1 (and licence area population): Herts, Beds and Bucks (2,008,567)

Local DAB service 1 population overlap (and percentage): 186,167 (9.3%)

Local DAB service 2 (and licence area population): Northamptonshire (531,211)

Local DAB service 2 population overlap (and percentage): 3,053 (0.6%)

Local DAB service 3 (and licence area population): Oxfordshire (531,992)

Local DAB service 3 population overlap (and percentage): 17,569 (3.3%)

Proposed frequency block: 8A

Possible co-block small-scale DAB licence areas to be protected: Leamington Spa & Stratford-on-Avon, Rugby & Daventry, Market Harborough, Kettering & Corby, Haverhill & Surrounds, Biggleswade & North Hertford, North London, West London, Reading, Newbury, Swindon & Marlborough, Cirencester, and Cheltenham & Tewkesbury.

Additional information: If applicants wish to use the existing Oxford DAB transmitter site, Ofcom predictions indicate that a low power, low antenna height and/or directional antenna are expected to be necessary to meet outgoing interference criteria.

Within this advertised area, high ground around; Brill & Muswell Hill, Tingewick, Silverstone race circuit, Whaddon Chase and the edge of the Chiltern Hills may be subject to higher levels of incoming interference from small-scale DAB multiplexes that may already be on-air or may come on air in the future. Further details are given in Ofcom's Technical Policy Guidance for DAB multiplex licensees (paragraph 4.14 onwards).

As a result of proximity and topography, it may be challenging for applicants to maintain outgoing interference below the levels specified in the Notes of Guidance on high ground around Daventry on Big Hill, Newnham Hill and Borough Hill within the Rugby & Daventry small-scale DAB area, high ground south of the A14 within the Market Harborough small-scale DAB area, The ridgeway within the Newbury small-scale DAB area. While some interference into these listed areas may be unavoidable, Ofcom expects applicants to keep it to a minimum.

See [licence area data](#) and [population data](#) for this region.

North Pembrokeshire



Licence area population: 58,437

Size of licence area (km²): 2,340 km²

Reserved C-DSP capacity: THREE services

Local DAB service 1 (and licence area population): West & Mid Wales (379,159)

Local DAB service 1 population overlap (and percentage): 58,437 (15.4%)

Proposed frequency block: 8A

Possible co-block small-scale DAB licence areas to be protected: Anglesey & North Gwynedd, North Powys, South Powys, Brecon, Welsh Valleys, Bridgend, West Somerset & Lynton, and East Cornwall.

Additional information: If applicants wish to use the Preseli or Haverfordwest transmitter sites, Ofcom predictions indicate that a low power, low antenna height and/or directional antenna are expected to be necessary to meet outgoing interference criteria.

As a result of proximity and topography, it may be challenging for applicants to maintain outgoing interference below the levels specified in the Notes of Guidance within the southern parts of the North Cornwall small-scale DAB area, particularly on the areas south of Hartland Point as well as the high ground

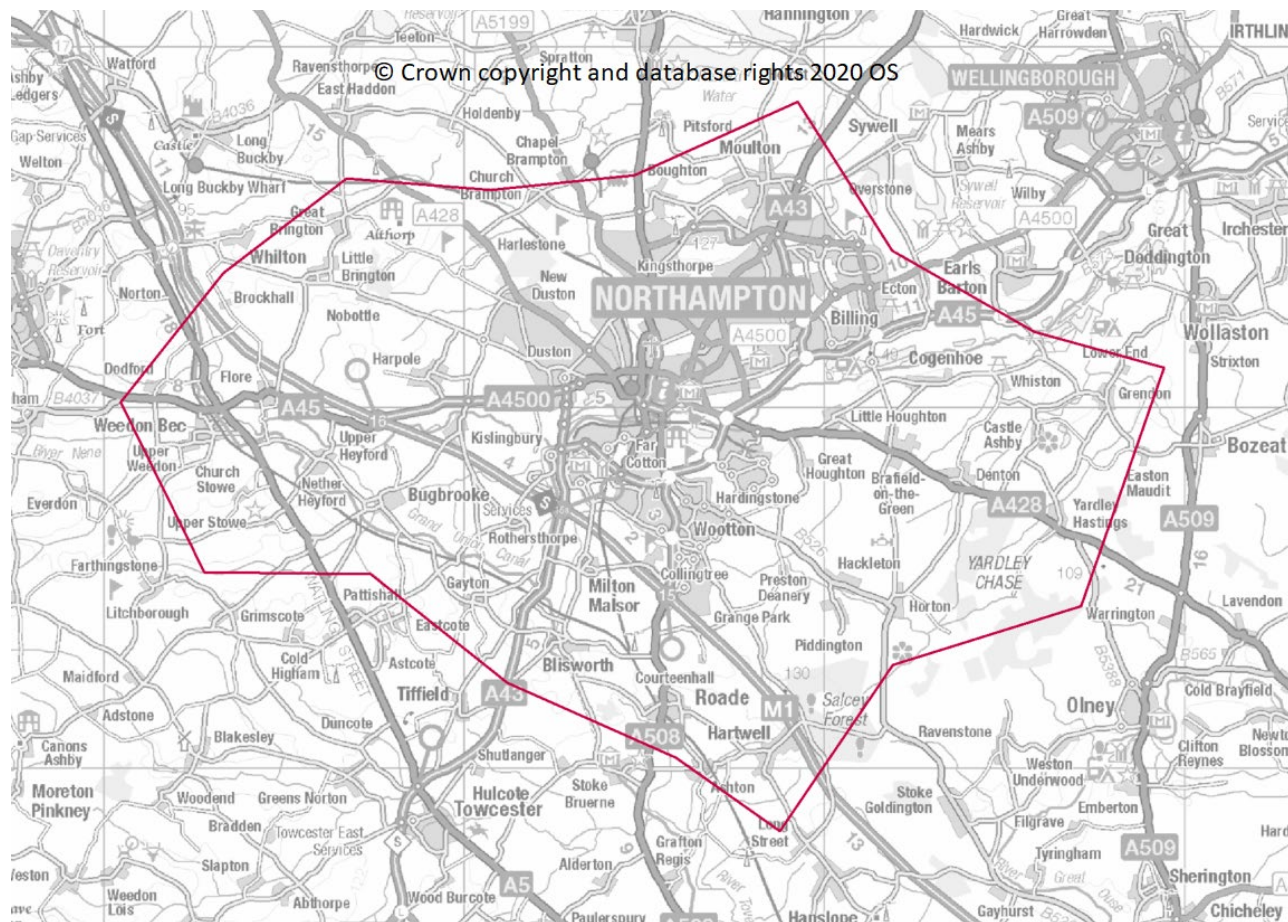
of Exmoor within the West Somerset & Lynton small-scale DAB area. While some interference into these listed areas may be unavoidable, Ofcom expects applicants to keep it to a minimum.

Within this advertised area, the high ground of the Preseli Hills is expected to be subject to higher levels of incoming interference from small-scale DAB multiplexes that may already be on-air or may come on air in the future. Further details are given in Ofcom's Technical Policy Guidance for DAB multiplex licensees (paragraph 4.14 onwards).

Interference into the Republic of Ireland should be kept to a minimum. We request that networks are designed to minimise levels of field strength towards the land and sea borders of the Republic of Ireland by careful site selection, limitation of maximum transmitter powers and the use of directional transmitting antennas as appropriate. It should be noted that if future developments within the Republic of Ireland result in their need to use Band III spectrum, Ireland has the rights to implement networks in line with existing international agreements. In the event this happens, Ofcom will work with the SSDAB licence holder(s) to resolve any potential interference issues, and this could potentially require a change of transmission frequency or other measures.

See [licence area data](#) and [population data](#) for this region.

Northampton



Licence area population: 202,538

Size of licence area (km²): 330 km²

Reserved C-DSP capacity: SEVEN services

Local DAB service 1 (and licence area population): Northamptonshire (531,211)

Local DAB service 1 population overlap (and percentage): 202,538 (38.1%)

Proposed frequency block: 7D

Possible co-block small-scale DAB licence areas to be protected: Rutland & Stamford, Peterborough, Ely & March, Biggleswade & North Hertford, South Hertfordshire, South Buckinghamshire, Oxford, Witney, Coventry, Nuneaton & Hinckley, and Leicester.

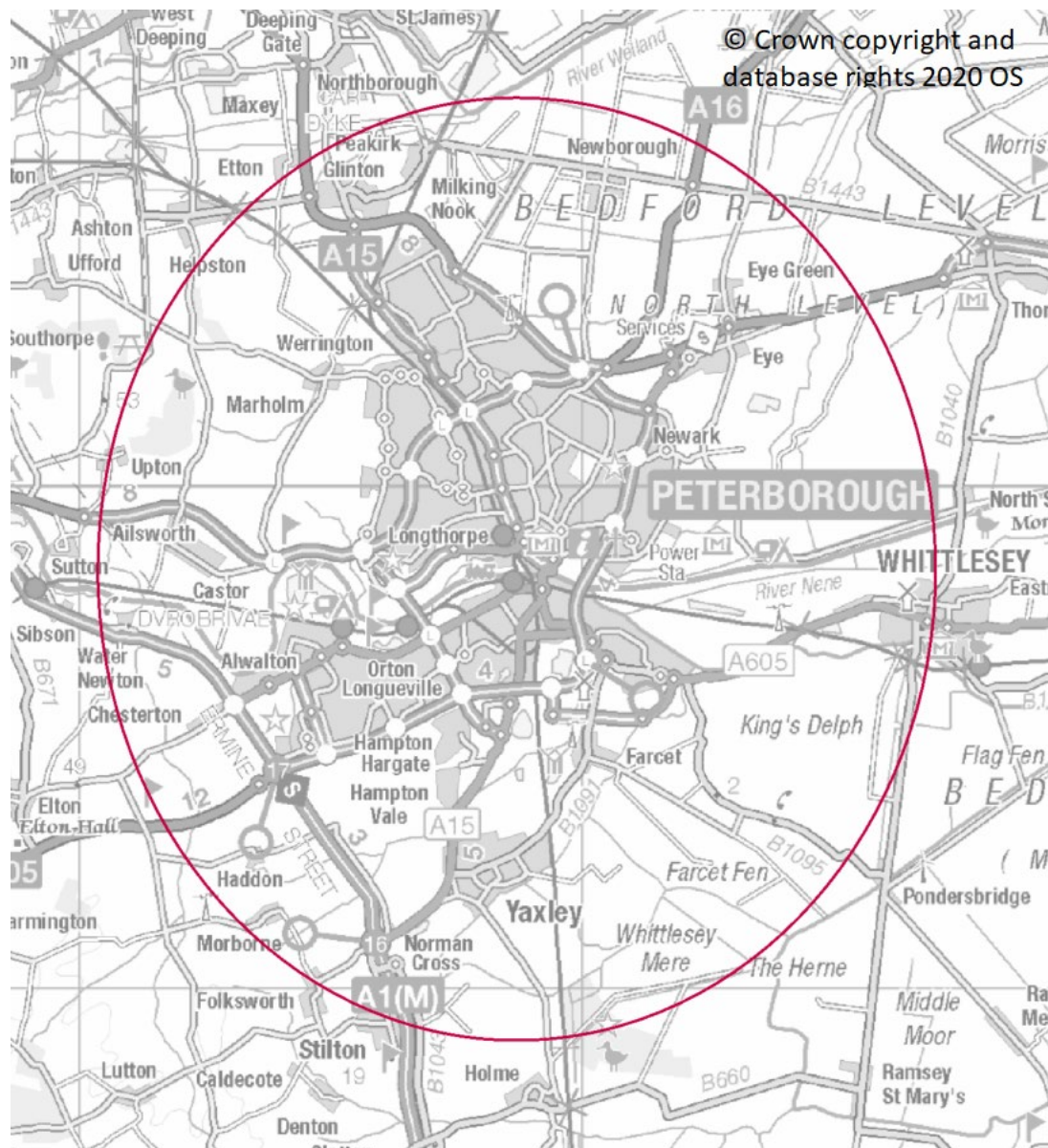
Additional information:

Within this advertised area, Salcey Forest and Yardley Chase may be subject to higher levels of incoming interference from small-scale DAB multiplexes that may already be on-air or may come on air in the future. Further details are given in Ofcom's Technical Policy Guidance for DAB multiplex licensees (paragraph 4.14 onwards).

As a result of proximity and topography, it may be challenging for applicants to maintain outgoing interference below the levels specified in the Notes of Guidance between Halls Green and Therfield within the Biggleswade and North Hertford small-scale DAB area and in the Shotover and Beckley areas within the Oxford small-scale DAB area. While some interference into these listed areas may be unavoidable, Ofcom expects applicants to keep it to a minimum.

See [licence area data](#) and [population data](#) for this region.

Peterborough



Licence area population: 150,681

Size of licence area (km²): 234 km²

Reserved C-DSP capacity: FIVE services

Local DAB service 1 (and licence area population): Peterborough (442,822)

Local DAB service 1 population overlap (and percentage): 150,681 (34.0%)

Proposed frequency block: 7D

Possible co-block small-scale DAB licence areas to be protected: Lincoln, Bury St Edmunds, Thetford & Mildenhall, Biggleswade & N Hertford, Bedford, Northamptonshire, Market Harborough, Leicester, Loughborough & Coalville, Nottingham, and Newark-on-Trent.

Additional information: If applicants wish to use the Peterborough transmitter site, Ofcom predictions indicate that a low power, low antenna height and/or directional antenna are likely to be necessary to meet outgoing interference criteria.

Within this advertised area, areas around Morborne and the main Peterborough broadcast mast may be subject to higher levels of incoming interference from small-scale DAB multiplexes that may already be on-air or may come on air in the future. Further details are given in Ofcom's Technical Policy Guidance for DAB multiplex licensees (paragraph 4.14 onwards).

As a result of proximity and topography, it may be challenging for applicants to maintain outgoing interference below the levels specified in the Notes of Guidance in the area of high ground north-east of Desborough within the Market Harborough small-scale DAB area. While some interference into these listed areas may be unavoidable, Ofcom expects applicants to keep it to a minimum.

See [licence area data](#) and [population data](#) for this region.

Plymouth



Licence area population: 288,655

Size of licence area (km²): 1,117 km²

Reserved C-DSP capacity: FIVE services

Local DAB service 1 (and licence area population): Plymouth & Cornwall (732,168)

Local DAB service 1 population overlap (and percentage): 288,655 (39.4%)

Proposed frequency block: 9C

Possible co-block small-scale DAB licence areas to be protected: Barnstaple & Bideford, West Somerset & Lynton, Tiverton, East Devon, Exeter, Exmouth & Dawlish and Weymouth, Dorchester & Bridport.

Additional information: If applicants wish to use the Caradon Hill or North Hessary Tor transmitter sites, Ofcom predictions indicate that a low power, low antenna height and/or directional antenna are expected to be necessary to meet outgoing interference criteria.

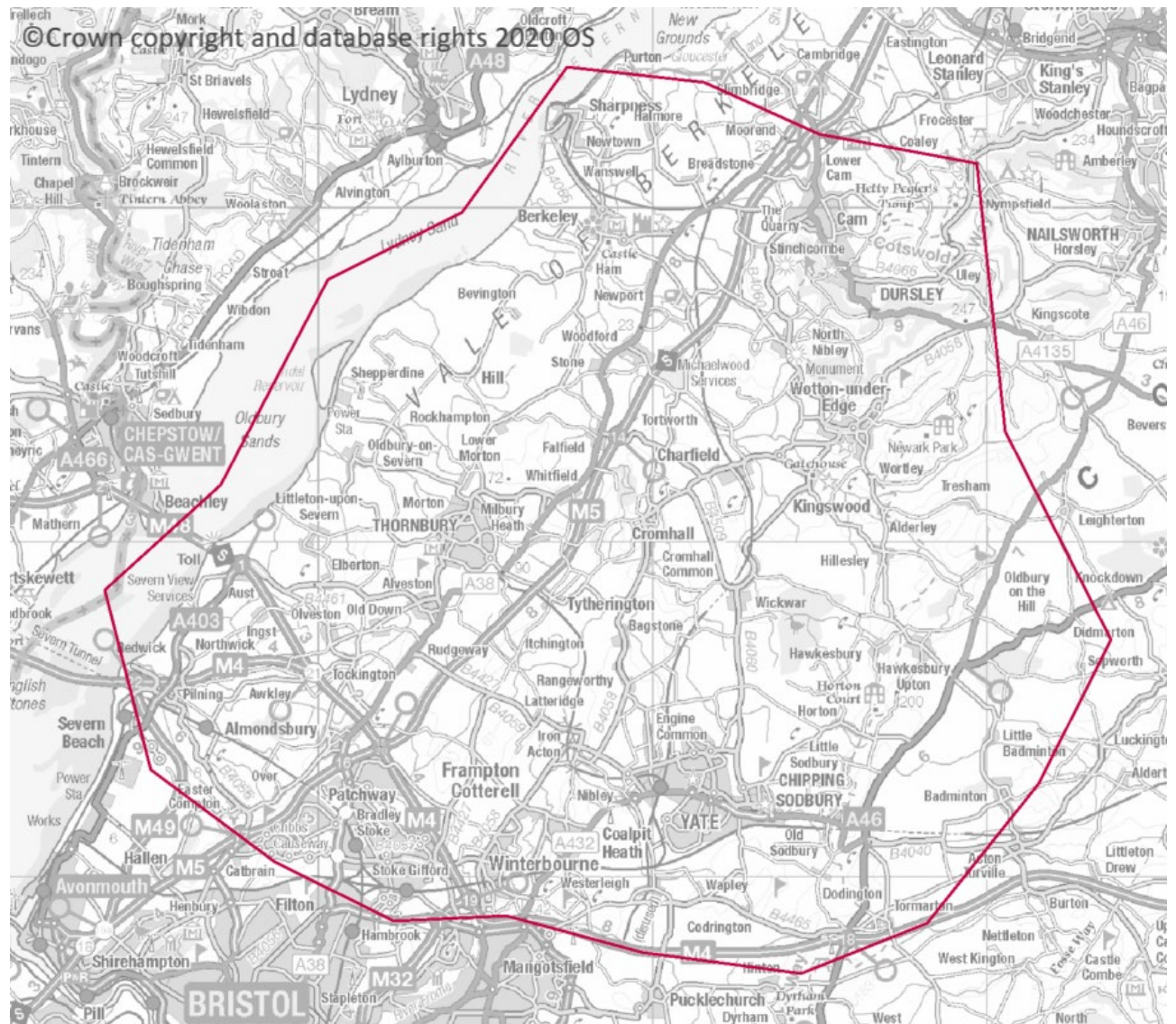
Within this advertised area, the ridge running from Kit Hill to Hingston Down north of the A390 may be subject to higher levels of incoming interference from small-scale DAB multiplexes that may already be on-air or may come on air in the future. Further details are given in Ofcom's Technical Policy Guidance for DAB multiplex licensees (paragraph 4.14 onwards).

Ofcom does not expect there to be any significant outgoing interference issues toward other small-scale DAB areas if the levels from Caradon Hill and/or North Hessary Tor sites are restricted.

Interference at the French coast calculated in accordance with the Final Acts of Geneva 2006 should not exceed 35 dB μ V/m.

See [licence area data](#) and [population data](#) for this region.

South Gloucestershire



Licence area population: 134,599

Size of licence area (km²): 558 km²

Reserved C-DSP capacity: FIVE services

Local DAB service 1 (and licence area population): Bristol & Bath (905,061)

Local DAB service 1 population overlap (and percentage): 114,697 (12.7%)

Local DAB service 2 (and licence area population): Gloucestershire (497,527)

Local DAB service 2 population overlap (and percentage): 26,496 (5.3%)

Local DAB service 3 (and licence area population): Swindon & Wiltshire (614,196)

Local DAB service 3 population overlap (and percentage): 89 (less than 0.1%)

Proposed frequency block: 9A

Possible co-block small-scale DAB licence areas to be protected: Bromsgrove, Kidderminster & Redditch, Berkshire north & South Oxfordshire, Newbury, Andover, Yeovil, Tiverton and Welsh Valleys.

Additional information:

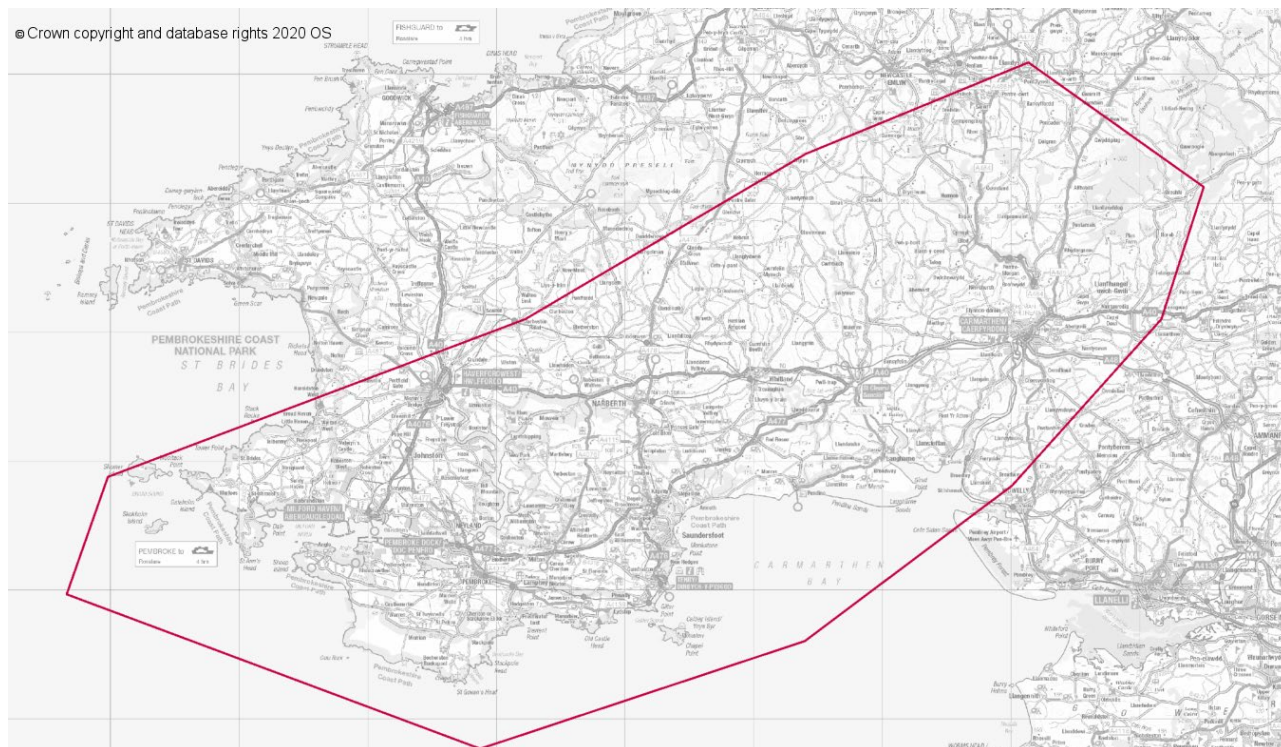
Within this advertised area, areas of the Cotswold Hills east of Wotton-under-Edge and east of the A46 may be subject to higher levels of incoming interference from small-scale DAB multiplexes that may already be on-air or may come on air in the future. Further details are given in Ofcom's Technical Policy Guidance for DAB multiplex licensees (paragraph 4.14 onwards).

As a result of proximity and topography, it may be challenging for applicants to maintain outgoing interference below the levels specified in the Notes of Guidance within parts of the Welsh Valleys small-scale DAB area, particularly on the high ground around the Afon Lwyd valley as well as around Abergavenny. While some interference into these listed areas may be unavoidable, Ofcom expects applicants to keep it to a minimum.

Note that, in previous Ofcom documents, this advertised area has been referred to as "Bristol (North)". The renaming is to more accurately describe the area covered and does not reflect any change in the localities covered.

See [licence area data](#) and [population data](#) for this region.

South Pembrokeshire



Licence area population: 115,376

Size of licence area (km²): 2,340 km²

Reserved C-DSP capacity: THREE services

Local DAB service 1 (and licence area population): Mid & West Wales (379,159)

Local DAB service 1 population overlap (and percentage): 115,376 (30.4%)

Local DAB service 2 (and licence area population): Swansea (596,014)

Local DAB service 2 population overlap (and percentage): 30,365 (5.1%)

Proposed frequency block: 9A

Possible co-block small-scale DAB licence areas to be protected: Anglesey & North Gwynedd, North Powys, South Powys, Brecon, Welsh Valleys, Cardiff, Bridgewater, Tiverton, and East Cornwall.

Additional information: If applicants wish to use the Preseli or Haverfordwest transmitter sites, Ofcom predictions indicate that a low power, low antenna height and/or directional antenna are likely to be necessary to meet outgoing interference criteria.

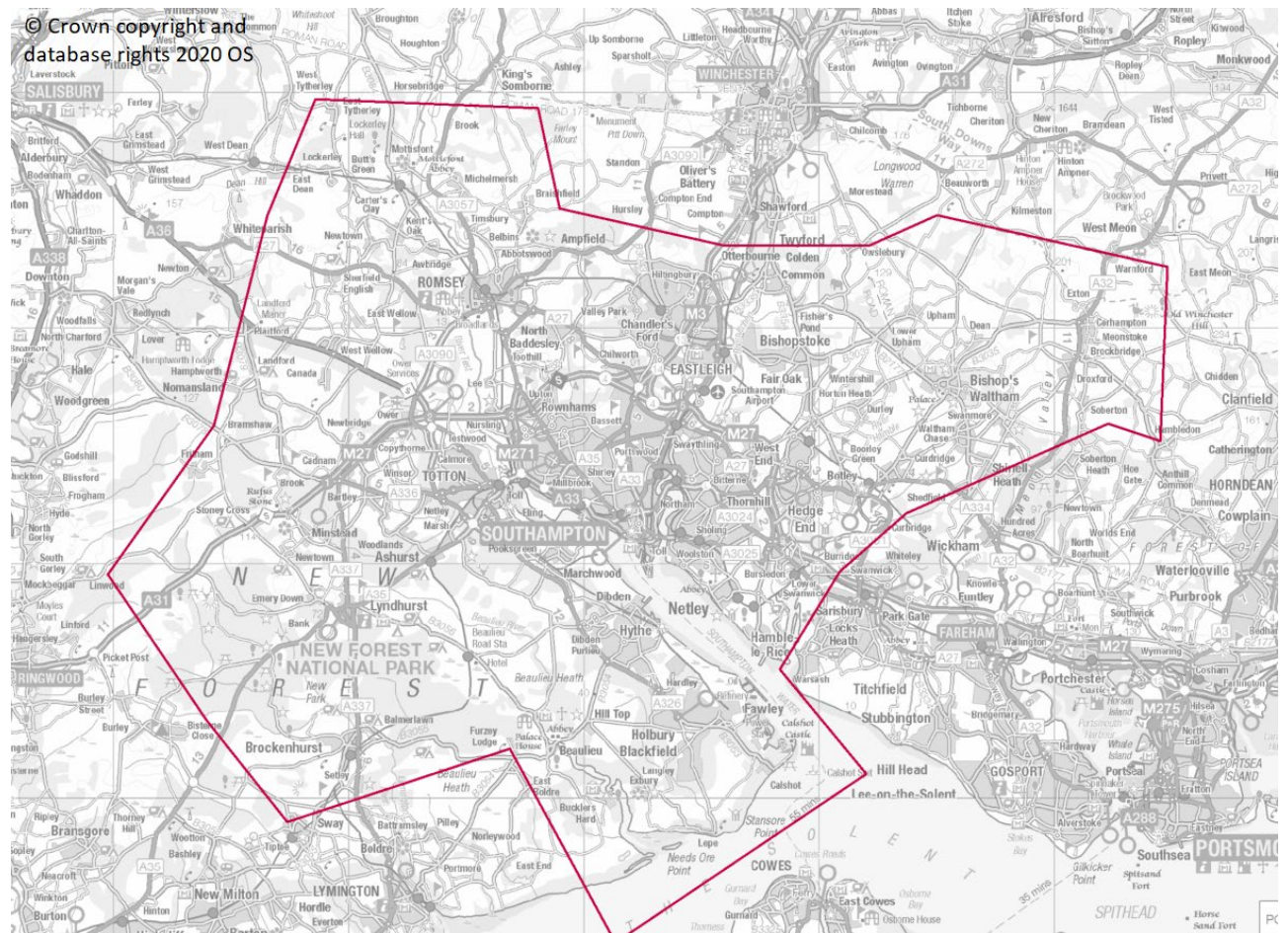
Within this advertised area, coastal areas between Manober and Saundersfoot may be subject to higher levels of incoming interference from small-scale DAB multiplexes that may already be on-air or may come on air in the future. Further details are given in Ofcom's Technical Policy Guidance for DAB multiplex licensees (paragraph 4.14 onwards).

As a result of proximity and topography, it may be challenging for applicants to maintain outgoing interference below the levels specified in the Notes of Guidance within the northern parts of the East Cornwall small-scale DAB area on the high ground south of Hartland Point. While some interference into these listed areas may be unavoidable, Ofcom expects applicants to keep it to a minimum.

Interference into the Republic of Ireland should be kept to a minimum. We request that networks are designed to minimise levels of field strength towards the land and sea borders of the Republic of Ireland by careful site selection, limitation of maximum transmitter powers and the use of directional transmitting antennas as appropriate. It should be noted that if future developments within the Republic of Ireland result in their need to use Band III spectrum, Ireland has the rights to implement networks in line with existing international agreements. In the event this happens, Ofcom will work with the SSDAB licence holder(s) to resolve any potential interference issues, and this could potentially require a change of transmission frequency or other measures.

See [licence area data](#) and [population data](#) for this region.

Southampton



Licence area population: 436,990

Size of licence area (km²): 879 km²

Reserved C-DSP capacity: EIGHT services

Local DAB service 1 (and licence area population): South Hampshire (1,203,463)

Local DAB service 1 population overlap (and percentage): 435,437 (36.2%)

Local DAB service 2 (and licence area population): Wiltshire (614,196)

Local DAB service 2 population overlap (and percentage): 1,553 (0.3%)

Proposed frequency block: 9B

Possible co-block small-scale DAB licence areas to be protected: Newbury, Guildford & Woking, South-west Sussex, Poole, Purbeck & Wimborne, Shaftesbury & Blandford Forum, Warminster, Devizes & Trowbridge, and Swindon & Marlborough.

Additional information:

Within this advertised area, areas north of Braishfield, between Bishops Waltham and Drowford, around Titchfield, along the coast between Lepe & Calshot and west of a line west from Lyndhurst to Brook may be

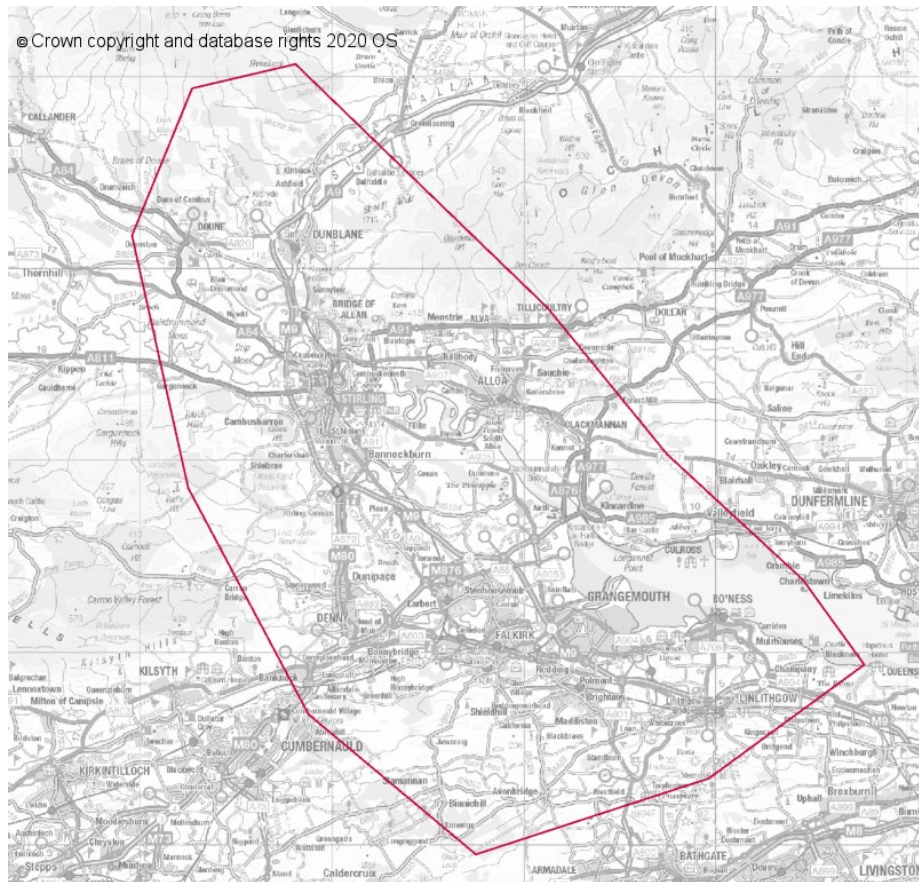
subject to higher levels of incoming interference from small-scale DAB multiplexes that may already be on-air or may come on air in the future. Further details are given in Ofcom's Technical Policy Guidance for DAB multiplex licensees (paragraph 4.14 onwards).

As a result of proximity and topography, it may be challenging for applicants to maintain outgoing interference below the levels specified in the Notes of Guidance on the following elevated areas; the southern parts of the Newbury small-scale DAB area on the high ground from Rivar to Watership Down, along the South Downs ridge within the South-west Sussex small-scale DAB area From Pen Hill to Graffham Down, upon Nine Barrow Downs and south of Swanage within the Poole, Purbeck & Wimborne small-scale DAB area, as well as Cranborne Chase and between Bulbarrow Down and Blandford Forest within the Shaftesbury & Blandford Forum small-scale DAB area. While some interference into these listed areas may be unavoidable, Ofcom expects applicants to keep it to a minimum.

Interference at the French coast calculated in accordance with the Final Acts of Geneva 2006 should not exceed 35 dB μ V/m.

See [licence area data](#) and [population data](#) for this region.

Stirling & Falkirk



Licence area population: 241,627

Size of licence area (km²): 832 km²

Reserved C-DSP capacity: FOUR services

Local DAB service 1 (and licence area population): Edinburgh (1,266,453)

Local DAB service 1 population overlap (and percentage): 240,172 (19.0%)

Local DAB service 2 (and licence area population): Glasgow (1,888,146)

Local DAB service 2 population overlap (and percentage): 172,069 (11.0%)

Proposed frequency block: 9C

Possible co-block small-scale DAB licence areas to be protected: East Fife and Kilmarnock

Additional information: If applicants wish to use the Earls Hill transmitter site, Ofcom predictions indicate that a low power and/or directional antenna are likely to be necessary to meet outgoing interference criteria.

Within this advertised area, some elevated areas west of Denny and east of Cumbernauld may be subject to higher levels of incoming interference from small-scale DAB multiplexes that may already be on-air or

may come on air in the future. Further details are given in Ofcom's Technical Policy Guidance for DAB multiplex licensees (paragraph 4.14 onwards).

As a result of proximity and topography, it may be challenging for applicants to maintain outgoing interference below the levels specified in the Notes of Guidance on the high ground of Whitelee Forest and Glenouther Moor within the north-eastern parts of the Kilmarnock small-scale DAB area. While some interference into these listed areas may be unavoidable, Ofcom expects applicants to keep it to a minimum.

See [licence area data](#) and [population data](#) for this region.

Torbay



Licence area population: 251,549

Size of licence area (km²): 1,673 km²

Reserved C-DSP capacity: SIX services

Local DAB service 1 (and licence area population): Devon (704,183)

Local DAB service 1 population overlap (and percentage): 230,788 (32.8%)

Local DAB service 2 (and licence area population): Plymouth & Cornwall (732,168)

Local DAB service 2 population overlap (and percentage): 20,761 (2.8%)

Proposed frequency block: 8B

Possible co-block small-scale DAB licence areas to be protected: West Somerset & Lynton, Taunton, Yeovil, Poole, Purbeck & Wimborne, Falmouth, Penzance & Redruth, Newquay, St Austell & Truro, and East Cornwall.

Additional information: If applicants wish to use the Beacon Hill or Holcombe Down sites, as well as many coastal sites, Ofcom predictions indicate that a low power, low antenna height and/or directional antenna are likely to be necessary to meet outgoing interference criteria.

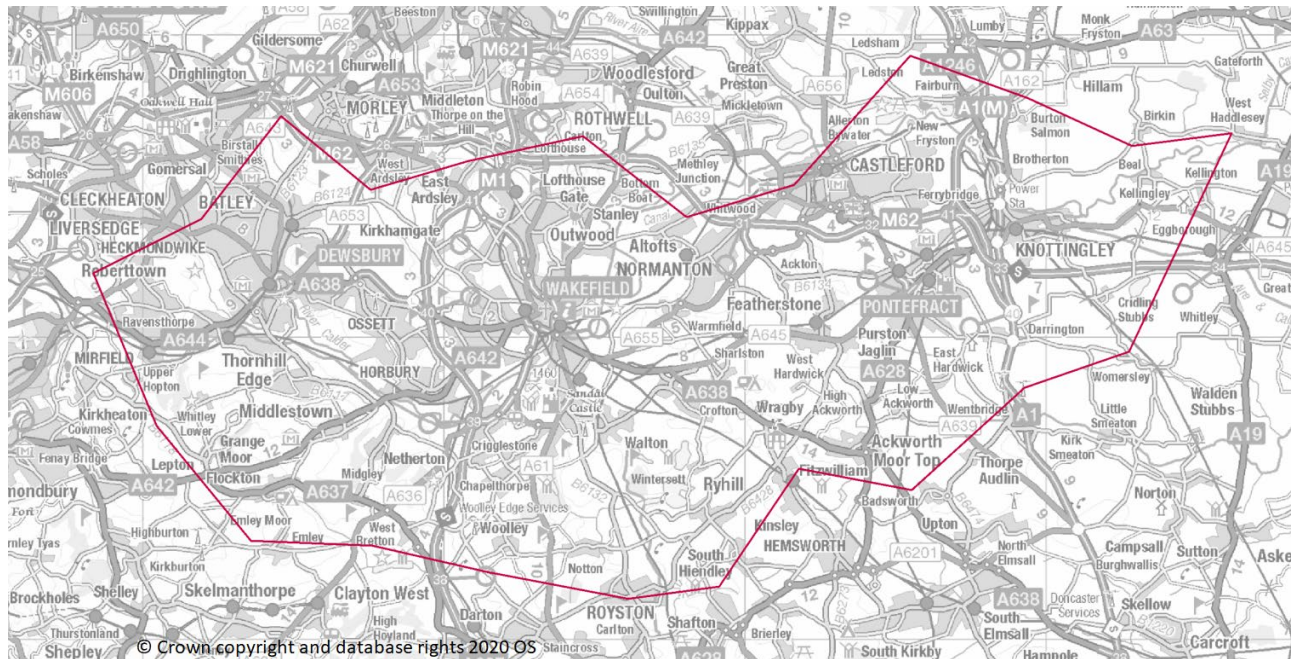
Within this advertised area, areas of Dartmoor west of the A38, high ground around the A38/A380 junction as well as Little Haldon & Beacon Hill, high ground between Brixham & Dartmouth and most high ground south of a line from Ivybridge to Stoke Fleming may be subject to higher levels of incoming interference from small-scale DAB multiplexes that may already be on-air or may come on air in the future. Further details are given in Ofcom's Technical Policy Guidance for DAB multiplex licensees (paragraph 4.14 onwards).

As a result of proximity and topography, it may be challenging for applicants to maintain outgoing interference below the levels specified in the Notes of Guidance within the southern parts of the West Somerset & Lynton small-scale DAB area on the southern edge of Exmoor and the Brendan Hills, a few isolated parts of the Blackdown Hills within the Taunton small-scale DAB area as well as the elevated ridge along the A356 within the Yeovil small-scale DAB area. While some interference into these listed areas may be unavoidable, Ofcom expects applicants to keep it to a minimum.

Interference at the French coast calculated in accordance with the Final Acts of Geneva 2006 should not exceed 36 dB μ V/m.

See [licence area data](#) and [population data](#) for this region.

Wakefield, Castleford & Dewsbury



Licence area population: 348,490

Size of licence area (km²): 402 km²

Reserved C-DSP capacity: SIX services

Local DAB service 1 (and licence area population): Bradford (934,540)

Local DAB service 1 population overlap (and percentage): 69,070 (7.4%)

Local DAB service 2 (and licence area population): Leeds (1,152,218)

Local DAB service 2 population overlap (and percentage): 341,662 (29.7%)

Local DAB service 3 (and licence area population): North Yorkshire (670,391)

Local DAB service 3 population overlap (and percentage): 4,466 (0.6%)

Local DAB service 4 (and licence area population): South Yorkshire (1,416,988)

Local DAB service 4 population overlap (and percentage): 5,108 (0.4%)

Proposed frequency block: 7D

Possible co-block small-scale DAB licence areas to be protected: Catterick, Ripon & Thirsk, East Hull, Grimsby, Lincoln, Mansfield & Worksop, Chesterfield, Glossop & Buxton, Oldham & Rochdale and Blackburn, Burnley & Darwen.

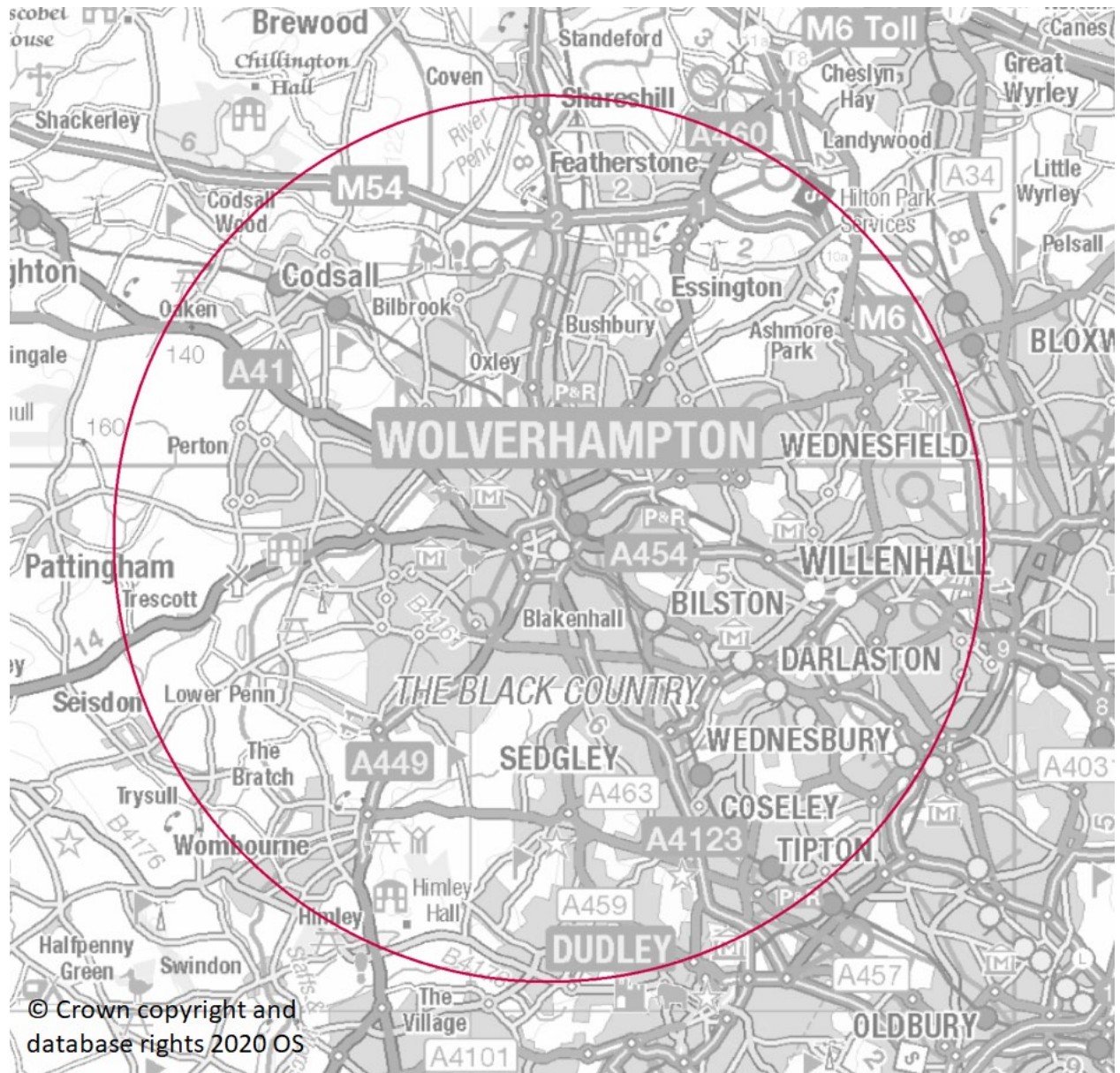
Additional information: If applicants wish to use the Emley Moor transmitter site, Ofcom predictions indicate that a very low power, low antenna height and/or directional antenna will be necessary to meet outgoing interference criteria.

Within this advertised area, an area south of Knottingley & Jackson Hill as well as high ground south of Havercroft may be subject to higher levels of incoming interference from small-scale DAB multiplexes that may already be on-air or may come on air in the future. Further details are given in Ofcom's Technical Policy Guidance for DAB multiplex licensees (paragraph 4.14 onwards).

Ofcom does not expect there to be any significant outgoing interference issues if levels from the Emley Moor site are heavily restricted.

See [licence area data](#) and [population data](#) for this region.

Wolverhampton



Licence area population: 383,794

Size of licence area (km²): 203 km²

Reserved C-DSP capacity: SIX services

Local DAB service 1 (and licence area population): Birmingham (2,012,043)

Local DAB service 1 population overlap (and percentage): 96,026 (4.8%)

Local DAB service 2 (and licence area population): Wolverhampton & Shropshire (1,317,388)

Local DAB service 2 population overlap (and percentage): 383,794 (29.1%)

Proposed frequency block: 7D

Possible co-block small-scale DAB licence areas to be protected: Crewe, Nantwich & Whitchurch, Derby, Nuneaton & Hinckley, Coventry, Leamington Spa & Stratford-upon-Avon, Worcester, and South Powys.

Additional information: If applicants wish to use the Sedgley Beacon or Turners Hill transmitter sites, Ofcom predictions indicate that a low power, low antenna height and/or directional antenna are expected to be necessary to meet outgoing interference criteria.

Within this advertised area, areas around the M6/M54 road junction and around to the south of Sedgley Beacon transmitter site may be subject to higher levels of incoming interference from small-scale DAB multiplexes that may already be on-air or may come on air in the future. Further details are given in Ofcom's Technical Policy Guidance for DAB multiplex licensees (paragraph 4.14 onwards).

As a result of proximity and topography, it may be challenging for applicants to maintain outgoing interference below the levels specified in the Notes of Guidance around Ightfield within the Crewe, Nantwich & Whitchurch small-scale DAB area, Charnwood Forest and high ground around Ashby-de-la-Zouche within the Loughborough & Coalville small-scale DAB area, areas to the south-east of a line between Ansley and Baddesley Ensor within the Nuneaton & Hinckley small-scale DAB area and a strip of rural area from Little Witley to Cobbler's Corner at the eastern edge of the Worcester small-scale DAB area. While some interference into these listed areas may be unavoidable, Ofcom expects applicants to keep it to a minimum.

See [licence area data](#) and [population data](#) for this region.

3. How to apply

Submission of application form and fees

- 3.1 Applications for any of the small-scale radio multiplex licences advertised in this document must be made using the small-scale radio multiplex licence application form. The application form is divided into two parts: [Part A](#) (which we will publish on our website) and [Part B](#) (which will remain confidential). For applicants wishing to apply – subject to the ownership restrictions – for more than one small-scale radio multiplex licence, a separate application form will be required for each application.
- 3.2 Prior to completing an application, it is *essential* that applicants should read the [guidance notes on small-scale radio multiplex licences](#) carefully. In addition to providing further information about the questions we ask in the application form, the Notes of Guidance provide a detailed guide to the small-scale DAB multiplex licensing regime as a whole, including matters such as the ownership restrictions, the statutory assessment criteria and how Ofcom will interpret these criteria in our assessment of applications.
- 3.3 The closing date for the receipt of completed small-scale radio multiplex licence application forms, and other required documentation, is **5pm on Friday 14 October 2022**. Both the confidential and non-confidential parts of the application form should be sent by e-mail to: smallscaleDAB@ofcom.org.uk. The subject line of the e-mail should be clearly labelled as “[Applicant name] application for SSDAB mux licence: [licence area].” The deadline for receipt of applications will be strictly enforced, so you are advised to submit your application in plenty of time to allow for any potential delivery problems. You should receive an auto-response from smallscaleDAB@ofcom.org.uk confirming that your email has been received by Ofcom. If you do not receive a response, it is likely your application has not been received and you should contact Ofcom’s Contact Centre on 0300 123 3333 and ask to leave a message for the Broadcast Licensing team, who will respond to your message as soon as possible.
- 3.4 An application fee of **£500** will be payable for each small-scale radio multiplex licence application submitted. This fee will not be refundable in any circumstances. Electronic bank transfer payments must be received in Ofcom’s bank account no later than five working days after the application form has been received by Ofcom. Similarly, if paying by cheque, we must receive the cheque within five days of our receipt of the application. Failure to comply with these requirements may render the application liable to disqualification. Full details of how to make the application fee payment can be found in the ‘Application fee’ section in the [guidance notes on small-scale radio multiplex licences](#).

Assessment process

- 3.5 Ofcom will assess applications against both our general duties and the specific statutory assessment criteria (as reproduced and expanded upon in the Notes of Guidance) and based upon the proposals presented in the completed application form. It is the applicant’s responsibility to ensure that the submitted application is complete, with every question

responded to (or, where appropriate, marked 'Not applicable') and all additional information required (such as the technical plan) provided in addition to the application form. Once received, no material amendments to the application may be made by the applicant nor any new material introduced, without the agreement of Ofcom. Ofcom will not agree to any such amendment which it considers would be unfair to any other applicant for the licence.

- 3.6 In the course of assessing applications, Ofcom may seek clarification and/or amplification of proposals in any application and require the applicant to provide us with additional information.
- 3.7 All of the non-confidential ('Part A') sections of the application forms that we receive will be published on our website following the closing-date for applications. In assessing the applications, Ofcom may take into account any comments received from the public, which can be made to it at smallscaleDAB@ofcom.org.uk with respect to the applications submitted.
- 3.8 Our aim is to consider all applications for the advertised small-scale radio multiplex licences within six months of submission, although this is subject to, among other things, the number of applications submitted for all of the licences we have advertised in Round Four.
- 3.9 Once a licence award decision has been made and applicants have been informed, Ofcom will publish the key determining factors which led to our decision.