

Protected Radar list

Updated 18 September 2023



List of military and civil radars

Coordination with aeronautical radionavigation in the 2.7 GHz radar band. List of civil and military radars to be protected are listed in the tables below. The area where the radar is protected is limited by its current position and any future position within the airfield boundary¹, as notified by Ofcom from time to time.

Radars to be protected

All sites installed prior to 2012 have been remediated and are to be protected in accordance with the published co-ordination procedures, as notified to relevant licensees.

Sites which have been relocated, require protection from 3 months following notification of this updated radar list or the installation date whichever is the later date.

New installations require protection from 3 months following notification of this updated radar list or the installation date whichever is the later date.

History

January 2021 update: higher resolution location added for Leeds Bradford Airport.

May 2023 update: Some site locations have been corrected (as identified in the comments). Some sites have/are being upgraded/replaced and protection of new locations are required from the dates given. Protection of corresponding existing locations are required until the removal date (as identified in the comments). Tables have been reformatted with latitude & longitude now expressed in decimal values, for ease of use with GIS tools.

Sept 2023 update: Some military sites for deployable radars have been marked as removed as protection is no longer needed at these locations. Some other military radar locations have now been upgraded and the original locations have also been marked as removed from needing protection.

¹ The CAA has records of airfield boundaries as part of its aerodrome licensing, available at <http://www.caa.co.uk/Commercial-industry/Airports/Aerodrome-licences/Licences/Aerodrome-licences-and-boundary-maps/>

MOD airfield boundary maps are available at: <https://www.ofcom.org.uk/manage-your-licence/radiocommunication-licences/mobile-wireless-broadband/mod-maps>

Name	Latitude	Longitude	Antenna Height (m agl)	Location	Comments
<i>Civil radars</i>					
Allanshill radar station	57.643056	-2.165278	12.5	Postcode nearest to the site AB43 7LS	Corrected location May 23
Belfast City Airport	54.61556	-5.881944	4.5	Sydenham by-Pass Belfast BT3 9JH	Corrected location May 23
Belfast International	54.655833	-6.206111	17	Belfast BT29 4AB	
Birmingham International Airport	52.45472	-1.756389	17.49	Diamond House Birmingham B26 3QJ	Corrected location May 23
Bournemouth International Airport	50.783056	-1.843056	20	Hurn, Christchurch Dorset BH23 6SE	
Bristol Airport	51.37972	-2.7175	20	Control Tower Building Bristol BS48 3DY	Corrected location May 23
Cambridge Airport	52.200833	0.1775	13.1	Newmarket Road Cambridge CB5 8RX	Corrected location May 23
Cardiff International Airport	51.39417	-3.3525	17	Rhose, Barry South Glamorgan CF62 3BD	Corrected location May 23
Coventry Airport	52.3725	-1.481111	15.24	Siskin Parkway West Middlemarch Business Park, Coventry CV3 4PB	Corrected location May 23
Cromer radar station	52.910556	1.349722	17.5	Postcode nearest to the site NR27 0NQ	
Cumbernauld wind farm	55.939167	-4.057222	26.6	1 Waterloo Street Glasgow G2 6AY	
Durham Tees Valley Airport	54.511667	-1.411667	14	Darlington County Durham DL2 1LU	Corrected location May 23
East Midlands International Airport	52.833333	-1.331111	12.8	Castle Donington Derby DE74 2SA	Corrected location May 23
Edinburgh Airport	55.951389	-3.379167	22	Edinburgh Lothian EH12 9DN	

Exeter & Devon Airport	50.73028	-3.417222	14	Clyst Honiton Exeter EX5 2BD	Corrected location May 23
Farnborough Aerodrome	51.281111	-0.773889	27.43	Farnborough Hampshire GU14 6XA	Corrected location May 23
Glasgow Airport	55.874722	-4.435556	20.5	Paisley Strathclyde PA3 2ST	
Glasgow Prestwick Inter Airport	55.501111	-4.583333	17.98	Prestwick Ayrshire KA9 2PL	Corrected location May 23
Hawarden Airport	53.176389	-2.985833	18.86	Broughton, Chester North Wales CH4 0DR	
Hibaldstow radar station	53.4975	-0.487222	22	New Control Tower Oglet Lane, Hale Village Liverpool L24 5RJ	
Humberside Airport	53.580278	-0.341389	10.36	Kirmington, Ulceby South Humberside DN39 6YH	Corrected location May 23
Inverness Airport	57.54667	-4.047222	17.01	Inverness IV2 7JB	Corrected location May 23
Kincardine radar station	56.072222	-3.729167	32	Postcode nearest to the site FK10 4BJ	
Leeds Bradford International Airport	53.864444	-1.652778	15.84	Yeadon Leeds LS19 7TU	
Liverpool Airport	53.33111	-2.858889	12.49	Liverpool L24 1YD	Corrected location May 23
London Gatwick Airport	51.146111	-0.177222	30	West Sussex RH6 0NP	
London Heathrow Airport	51.460556	-0.439444	40	Hounslow Middlesex TW6 2QW	
London Southend Airport	51.568889	0.700556	15.8	Southend-on-Sea Essex SS2 6YF	
London Stansted Airport	51.886944	0.230278	28	Stansted Essex CM24 1QW	
Manchester Airport	53.340556	-2.282778	28m	Manchester M90 1QX	
Newcastle International Airport	55.040833	-1.690833	12.8m	Woolsington Newcastle upon Tyne NE13 8BZ	

Newquay Cornwall Airport	50.4425	-5.009722	10m	Carloggas St. Mawgan, Newquay Cornwall TR8 4RQ	Corrected location May 23
Norwich Airport	52.671667	1.281111	16.76m	Amsterdam Way Norwich NR6 6JA	Corrected location May 23
Oxford Airport	51.8375	-1.3275	20m	Langford Lane, Kidlington, Oxfordshire OX5 1RA	
Robin Hood Airport (Doncaster)	53.479722	-0.996944	12.49m	Hayfield Lane, Doncaster South Yorkshire, DN9 3XA	Corrected location May 23
Southampton International Airport	50.95	-1.352778	12.8m	Southampton Hampshire SO18 2NL	Corrected location May 23
St Annes radar station	53.768333	-2.990833	25m	North Houses Lane Lytham St Annes FY8 4NU	
Sumburgh Airport	59.867778	-1.273056	10.5m	Virkie Shetland ZE3 9JP	

Name	Latitude	Longitude	Antenna Height (m agl)	Location	Comments
Military radars					
<i>Note: It is anticipated that MOD will update the locations of the radar deployment sites in due course, from the central point of the site to specific locations within the airfield</i>					
Aberporth	52.138611	-4.573889	17.6m	Parcllyn, Cardigan Ceredigion SA43 2BU	Removal, date tbc
Aberporth (March 2024)	52.125519	-4.574743	17.3m	Parcllyn, Cardigan Ceredigion SA43 2BU	New location – 31 March 2024
Albermarle Barracks	55.024722	-1.874167	3.5m	Ouston, Newcastle Upon Tyne NE15 0RF	Radar Removed
Benbecula Airfield	57.485278	-7.359722	3.5m	Benbecula, Outer Hebrides HS7 5LW	Radar Removed
Benson	51.621111	-1.098056	11.6m	Wallingford Oxon OX10 6AA	Radar Removed
Benson	51.620358	-1.1012813	22.68m	Wallingford Oxon OX10 6AA	New location – operational
Boscombe Down	51.153333	-1.745278	11.5m	Salisbury Wiltshire SP4 OJF	Removal, date tbc
Beacon Hill (June 2024)	51.182886	-1.721274	32.68m	Salisbury Wiltshire SP4 9JJ	New location – 30 June 2024 replaces Boscombe Down and Middle Wallop
Boulmer	55.4075	-1.620556	3.5m	Alnwick Northumberland NE66 3JF	Radar Removed
Brize Norton	51.752778	-1.586667	21m	Oxford OX18 3LX	Radar Removed
Brize Norton	51.769838	-1.574301	27.70m	Oxford OX18 3LX	New location – operational
Brizlee Wood	55.418056	-1.767778	5.5m	Alnwick Northumberland, NE66 3HX	
Cawdor Barracks (RAF Brawdy)	51.890278	-5.124167	3.5m	Pembrokeshire, Postcode nearest to the site SA62 6NN	Radar Removed
Coningsby	53.097754	-0.156207	17.50m	Lincoln LN4 4SY	New location - operational
Cosford	52.649444	-2.303056	23.8m	Wolverhampton WV7 3EX	Removal, date tbc
Cosford T101	52.643634	-2.322211	3.5m	Wolverhampton WV7 3EX	Corrected location May 23
Cosford TAC	52.649722	-2.303056	23.8m	Wolverhampton WV7 3EX	
Cranwell	53.026944	-0.496111	11.6m	Sleaford, Lincs NG34 8HB	Radar Removed

Cranwell	53.020075	-0.492798	22.68m	Sleaford, Lincs NG34 8HB	New location - operational
Culdrose	50.086944	-5.270556	10.2m	Helston, Cornwall TR12 7RH	To be upgraded in situ
Hartland Point	51.020833	-4.514167	17.8m	Postcode nearest to the site EX39 6AU	
Honington	52.346111	0.786389	12m	Bury St Edmunds Suffolk IP31 1EE	Radar Removed
Lakenheath	52.409444	0.541667	8.6m	Brandon, Suffolk IP27 9PN	
Leeming	54.295278	-1.544167	12.4m	Northallerton, North Yorkshire DL7 9NJ	Radar Removed
Leeming	54.2952	-1.54501	22.68m	Northallerton North Yorkshire DL7 9NJ	New location – operational
Leeming Test Rig	54.290556	-1.526389	16m	Northallerton North Yorkshire DL7 9NJ	
Leuchars	56.379722	-2.864444	29.6m	Leuchars, Fife KY16 0JX	
Lossiemouth	57.708056	-3.328056	6.5m	Lossiemouth Moray IV31 6SD	Removal, date tbc
Lossiemouth (July 2023)	57.717922	-3.344318	22.68m	Lossiemouth Moray IV31 6SD	New location – Delayed until 01 Nov 2023
Manorbier	51.639167	-4.783056	13m	Tenby, Dyfed SA70 7SH	
Marham	52.648883	0.533418	22.68m	King's Lynn Norfolk PE33 9NP	New location - operational
Middle Wallop	51.138611	-1.566667	14.5m	Stockbridge Hampshire SO20 8DY	Removal, date tbc
Odiham	51.239167	-0.951389	25.1m	Hook, Hampshire RG29 1QT	Removal, date tbc?
Odiham (October 2023)	51.228797	-0.94078985	22.70m	Hook, Hampshire RG29 1QT	New location – 30 October 2023
Otterburn Barracks	55.258936	-2.168480	3.5m	Northumberland, Postcode nearest to the site NE19 1NX	Radar Removed
Portland	50.563889	-2.435556	10m	Portland, Dorset DT5 1EQ	To be upgraded in situ
Portreath	50.270278	-5.273056	3.5m	Redruth, Cornwall TR16 4RA	
Robertson Barracks	52.730833	0.959722	3.5m	Swanton Morley Norfolk NR20 4TX	Radar Removed
Saxa Vord	60.827778	-0.841111	3.5m	Haroldswick, Unst Shetland Islands, , Postcode nearest to the site ZE2 9EQ	Radar Removed
Shawbury	52.794266	-2.683239	22.68m	Shrewsbury Shropshire SY4 4DZ	Upgraded site – old Watchman removed

Spadeadam BH	55.050218	-2.553564	14.68	Gilsland, Brampton Cumbria CA8 7AT	Upgraded site – height increased
Spadeadam DWF	55.267154	-2.591084	19.68	Postcode nearest to the site. NE48 1ER	Upgraded site – height increased
St Kilda - Airwatch	57.819444	-8.583889	15m	No postcode available	
St Kilda - Seawatch	57.819722	-8.584722	15m	No postcode available	
Staxton Wold	54.1875	-0.433333	5.5m	Scarborough, North Yorkshire YO12 4TJ	
Thorney Island	50.81694	-0.9189	3.5m	Emsworth Hampshire PO10 8DH	Radar Removed
RRH Trimmingham	52.893056	1.400556	10m	Trimingham Norfolk NR11 8DY	
Topcliffe	54.205556	-1.382222	4.5m	Thirsk, North Yorkshire YO7 3QE	Removal, date tbc
Topcliffe (Alanbrooke Barracks) (March 2024)	54.205124	-1.371512	6.5m	Thirsk North Yorkshire YO7 3DZ	Additional location – 01 March 2024
Topcliffe (RAF Topcliffe) (March 2024)	54.209495	-1.382485	6.5m	Thirsk North Yorkshire YO7 3DZ	Additional location – 01 March 2024
Valley	53.257392	-4.544111	12.68m	Holyhead Isle of Anglesey LL65 3NY	New location – operational
Wattisham	52.130622	0.951304	17.68m	Ipswich IP7 7RA	New location – operational (replaces Honington)
Wembury Point	50.318056	-4.107222	12m	Postcode nearest to the site PL9 0BG	To be upgraded in situ
West Freugh	54.854887	-4.9449349	12.68m	Stranraer Wigtownshire DG9 9DN	New location – operational
Wittering	52.616111	-0.504167	18.5m	Peterborough PE8 6HB	Removal, date tbc
Wittering (July 2023)	52.614983	-0.50445773	22.68m	Peterborough PE8 6HB	New location – delayed until 19 Oct 2023
Yeovilton	51.010833	-2.641389	22.5m	Ilchester Somerset BA22 8HT	To be upgraded in situ