

Wireless Telegraphy Act 2006

Licence for the transmission of national and local radio broadcasting services

Licensee	British Broadcasting Corporation
Address of Licensee	Broadcasting House,, Portland Place London W1A 1AA
Licence number	BBC000020WT/2
Name of broadcast service(s)	BBC Essex (AM)
Measured coverage area population	1,874,284
Name of broadcast service(s)	BBC Essex (FM)
Measured coverage area population	987,827
Commencement date	31 March 2009
Termination date	31 December 2027
Fee payment date	30 April annually

Signed for and on behalf of Ofcom by



Tony Close
Director of Content Standards, Licensing & Enforcement

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1. General

This Licence is granted under section 8 of the Wireless Telegraphy Act 2006 ("the Act") by the Office of Communications ("Ofcom") and authorises the Licensee to establish, install and use radio transmitting stations and/or radio apparatus described in the Schedule (hereinafter together called the "Radio Equipment") subject to the terms set out below and in the Schedule.

This Licence is issued to the Licensee for transmission of sound broadcasting services broadcast on the frequencies granted by the Secretary of State for Culture, Media and Sport to the British Broadcasting Corporation to allow the provision of television and radio services as described at clause 7 and Schedule 1 of the agreement between the Secretary of State and the British Broadcasting Corporation published on 15 December 2016 (the "Framework Agreement").

2. Licence term

This Licence shall enter into force on the Commencement Date and, subject to earlier revocation by Ofcom in accordance with condition 3 below, shall continue in force only until the earlier of:

- (a) the Termination Date;
- (b) the termination, however caused, of the Framework Agreement; or
- (c) the surrender of this Licence by the Licensee.

3. Licence variation and revocation

Pursuant to section 10 and schedule 1, paragraph 8 of the Act, Ofcom may not revoke this Licence before the termination date above under section 10 and schedule 1, paragraph 6 of the Act except:

- (a) at the request of, or with the consent of, the Licensee;
- (b) in accordance with Condition 5;
- (c) if there has been a breach of any of the conditions of this Licence;
- (d) in accordance with Schedule 1 paragraph 8(5) of the Act;
- (e) if it appears to Ofcom to be necessary or expedient to revoke this Licence for the purposes of complying with a direction by the Secretary of State given to Ofcom under section 5 of the Act; or;
- (f) for reasons related to the management of the radio spectrum, provided that in such case the power to revoke may only be exercised after five (5) years notice is given in writing to the Licensee;

Where Ofcom exercise their power to revoke or vary the Licence, in accordance with Schedule 1 paragraph 6 of the Act, the Licensee shall be notified in writing or by a general notice.

4. Changes

This Licence may not be transferred.

The Licensee must give prior or immediate notice to Ofcom of any change of the Licensee's name or address.

5. Fees

The Licensee shall pay to Ofcom the relevant sums as provided in section 12 of the Act and the regulations made thereunder:

- (a) on or before the date of issue of the Licence; and
- (b) on or before the payment date indicated in the table on the first page of this Licence for subsequent payments or such other date or dates as shall be notified in writing to the Licensee,

in accordance with those regulations and any relevant terms, provisions and limitations of the Licence, failing which Ofcom may revoke this Licence.

6. Radio equipment use

The Licensee shall use the Radio Equipment for the purpose of providing sound broadcasting services.

The Licensee must ensure that the Radio Equipment is constructed, established, installed and used only in accordance with the provisions specified in the Schedule.

Any proposal to amend any detail specified in that Schedule must be agreed with Ofcom in advance and implemented only after that Licence has been varied or reissued accordingly.

The Licensee must ensure that the Radio Equipment is used only by persons who have been authorised by the Licensee to do so, and that such persons are made aware of, and of the requirement to comply with, the terms of the Licence.

7. Access and inspection

The Licensee shall permit any person authorised by Ofcom:

- (a) to have access to the Radio Equipment; and
- (b) to inspect this Licence and the Radio Equipment at any and all reasonable times or, when in the opinion of that person an urgent situation exists, at any time, to ensure the Radio Equipment is being used in accordance with the terms of this Licence.

8. Modification, restriction and closedown

A person authorised by Ofcom may require the Radio Equipment, or any part thereof, to be modified or restricted in use, or temporarily or permanently closed down immediately if in the opinion of the person authorised by Ofcom:

- (a) a breach of the Licence has occurred; and/or
- (b) the use of the Radio Equipment is causing or contributing to Undue Interference to the authorised use of other radio equipment.

Ofcom may also require the Radio Equipment to be modified or restricted in use, or temporarily closed down either immediately or on the expiry of such period as may be specified in the event of a national or local state of emergency being declared. Ofcom may only exercise this power after a written notice is served on the Licensee or a general notice applicable to holders of a named class of Licence is published.

9.

Interpretation

In this Licence (including the Schedules);

- (a) the establishment, installation and use of the Radio Equipment shall be interpreted as establishment and use of stations and installation and use of apparatus for wireless telegraphy as specified in section 8(1) of the Wireless Telegraphy Act 2006;
- (b) the term "Undue Interference" shall have the meaning given by Section 115 of the Wireless Telegraphy Act 2006;
- (c) the expression "inspect" includes examine and test;
- (d) the term "Framework Agreement" means the Agreement between Her Majesty's Secretary of State for Culture, Media and Sport and the British Broadcasting Corporation published on 15 December 2016 which contains a statement to the effect that it is a Framework Agreement made for BBC Charter purposes;
- (e) The "BBC Charter" means the Royal Charter for the continuance of the BBC for the period ending on 31 December 2027.
- (f) the "Commencement Date" means the date indicated in the table on the first page of this Licence;
- (g) the "Termination Date" means the date indicated in the table on the first page of this Licence;

The Schedules to this Licence shall form part of this Licence together with any subsequent variations to this Licence and the Schedule(s).

The Interpretation Act 1978 shall apply to the Licence as it applies to an Act of Parliament.

Schedule

1. The Radio Equipment

The transmitting radio apparatus which is authorised by this Licence is the radio station at the site described in Box G at the location indicated in Box H, of the table below (the "Radio Equipment").

2. Purpose of Use

The Licensee shall use the station Radio Equipment for emitting wireless telegraphy messages for the purpose of providing the sound broadcasting service.

3. Technical Requirements

The Licensee shall comply with the following technical requirements:

- (a) The Radio Equipment may only be used for wireless telegraphy on the frequency set out in Box M of the table below.
- (b) The radiating elements of the aerial used in connection with the Radio Equipment shall be at the height specified in Box I in the table below.
- (c) The class of emissions shall be as specified in Box J of the table below. [This is the symbol used to designate the permitted class of emission, having the meaning assigned to it in the international Telecommunication Convention and Radio Regulations.]
- (d) The maximum permitted radiated power in the azimuthal direction of greatest strength shall not exceed that specified in Box K of the table below. More detailed limits and directional constraints may be contained in Part II of the Schedule.
- (e) For VHF transmissions the polarisation shall be within that specified in Box L.
- (f) All VHF transmissions are required to meet minimum suppression levels in the aeronautical bands, as specified in the Radio Regulations of the International Telecommunication Union (Appendix 8-2). Further to this, the Licensee shall ensure that the output of the licensed transmitter complies with any additional suppression levels set out in Box N, at the aeronautical frequencies specified there. Also shown in Box N are any other broadcast frequencies at the site that may contribute towards the subject interference mechanism and also require to meet the additional suppression requirements. The Licensee must liaise with the operators of those frequencies at the start of transmissions, or following any modifications to their equipment that might affect the radiated output on the aeronautical frequency(s) concerned.
- (g) All limits and constraints shown in the antenna patterns attached in Part II of the Schedule

This Licence also requires compliance with the Ofcom Site Engineering Code for Analogue Radio Broadcast Transmission Systems, which contains general rules on site engineering, to be applied in the installation, testing and measurement of radio broadcast transmission system.

Notes to Schedule Part 1

- (G) Is the recognised site name from which the assignment is to be radiated. There may be more than one site name describing the same location, also one site name may describe more than one mast.
- (H) Is the permitted location, given in Ordnance Survey coordinates, containing the mast from which the assignment is to be radiated.
- (I) Is the permitted height of the radiating elements of the antenna above local ground level and ignores the height of any buildings upon which masts may be mounted.
- (K) Radiated power is specified here as the effective monopole radiated power (emrp) in respect of MF transmissions, and the effective radiated power (erp), as the sum of the maxima permitted in each plane of polarisation, in respect of VHF transmissions.

WT ACT SCHEDULE PART I LICENCE BBC000020WT/2

G	Site Name	H Location	I Ae Ht (m - agl)	J Class of Emission	K Maximum Power (W) (Total)		L Polarisation	M Frequency	N		
					HP	VP			Suppression Added (dB)	On (MHz)	Involving (MHz)
	Bakers Wood	TL 66000 03400	58	20K0A3EGN		500.00		765.00 kHz			

G	Site Name	H Location	I Ae Ht (m - agl)	J Class of Emission	K Maximum Power (W) (Total)		L Polarisation	M Frequency	N		
					HP	VP			Suppression Added (dB)	On (MHz)	Involving (MHz)
	Dartford Tunnel	TQ 57100 76900		20K0A3EGN		3.00		765.00 kHz			

G	Site Name	H Location	I Ae Ht (m - agl)	J Class of Emission	K Maximum Power (W) (Total)		L Polarisation	M Frequency	N		
					HP	VP			Suppression Added (dB)	On (MHz)	Involving (MHz)
	Manningtree	TM 12300 29500	100	20K0A3EGN		200.00		729.00 kHz			

WT ACT SCHEDULE PART I LICENCE BBC000020WT/2

G	Site Name	H Location	I Ae Ht (m - agl)	J Class of Emission	K Maximum Power (W) (Total)		L Polarisation	M Frequency	N		
					HP	VP			Suppression Added (dB)	On (MHz)	Involving (MHz)
	Southend MF	TQ 83000 90400	21	20K0A3EGN		150.00		1530.00 kHz			

G	Site Name	H Location	I Ae Ht (m - agl)	J Class of Emission	K Maximum Power (W) (Total)		L Polarisation	M Frequency	N		
					HP	VP			Suppression Added (dB)	On (MHz)	Involving (MHz)
	Benfleet	TQ 79000 86700	50	270KF9EHW	1140.00	700.00	Mixed	95.30 MHz			

G	Site Name	H Location	I Ae Ht (m - agl)	J Class of Emission	K Maximum Power (W) (Total)		L Polarisation	M Frequency	N		
					HP	VP			Suppression Added (dB)	On (MHz)	Involving (MHz)
	Great Braxted	TL 87000 14900	39	270KF9EHW	12000.00	6000.00	Mixed	103.50 MHz			

WT ACT SCHEDULE PART II LICENCE BBC000020WT/2

Name Of Service: BBC Essex (AM)

Site Name: Dartford Tunnel

PS Name:

Frequency: 765.00 kHz

PI Code:
Opt-Out PI Code:

Polarisation :

Deg	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170
HP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Polarisation :

Deg	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170
VP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Name: Bakers Wood

Frequency: 765.00 kHz

PS Name:

PI Code:

Opt-Out PI Code:

Polarisation :

Deg	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	
HP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Polarisation :

Deg	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	
VP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Site Name: Manningtree

Frequency: 729.00 kHz

PS Name:

PI Code:

Opt-Out PI Code:

Polarisation :

Deg	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	
HP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Polarisation :

Deg	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	
VP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Site Name: Southend MF

Frequency: 1530.00 kHz

PS Name:

PI Code:

Opt-Out PI Code:

Polarisation :

Deg	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170
HP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Polarisation :

Deg	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170
VP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Name Of Service: BBC Essex (FM)

Site Name: Benfleet

PS Name: BBC Essx

Frequency: 95.30 MHz

PI Code: CF13

Opt-Out PI Code:

Polarisation : M

Deg	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170
HP	0	0	0	1	2	3	3	4	3	3	3	4	4	6	7	8	8	8
	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350
	8	8	8	8	8	7	6	5	4	3	2	2	2	2	2	2	1	1

Polarisation : M

Deg	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170
VP	2	2	2	1	1	1	0	0	0	0	1	3	3	5	6	7	7	6
	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350
	6	5	5	6	6	6	5	4	3	2	1	0	0	0	0	1	1	1

Site Name: Great Braxted

Frequency: 103.50 MHz

PS Name: BBC Essx

PI Code: CE13
Opt-Out PI Code:

Polarisation : M

Deg	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170
HP	0	0	0	0	0	0	0	0	0	1	2	3	5	8	10	10	10	8
	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350
	6	3	3	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0

Polarisation : M

Deg	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170
VP	0	0	0	0	0	0	0	0	0	1	2	3	5	8	10	10	10	8
	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350
	6	3	3	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0

