

**Public Service Broadcasting Licence issued by**  
**THE COMMISSION FOR COMMUNICATIONS**  
**REGULATION**

**To**

**Raidió Teilifís Éireann**

For Analogue Terrestrial Television Services

**Document Number: 12/13a**

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The Commission for Communications Regulation, in exercise of the powers conferred on it by section 121 (1) of the Broadcasting Act 2009 (No. 18 of 2009), hereby issues to Raidió Teilifís Éireann a licence for the purpose of providing Analogue Terrestrial Television Services as follows, subject to the conditions set out hereunder:

**Licensed**

1. (1) For the purpose of carrying out the functions authorised by the Broadcasting Act 2009, the Licensee is licensed to:
  - (a) maintain and operate the broadcasting stations recorded in the Schedule in Part II of this Licence and in accordance with the provisions set out therein and not otherwise, except with the written consent of the Commission,
  - (b) establish, maintain and operate additional broadcasting stations at such places, and in accordance with such provisions, as the Commission may from time to time approve in writing, and any such approved additional broadcasting stations shall thereupon be deemed to be added to the Schedule in Part II of this Licence,
  - (c) acquire, install and operate such apparatus for wireless telegraphy as is incidental to the operation of the broadcasting stations mentioned at (a) and (b) as the Commission may approve in writing.

(2) Nothing in this Licence shall serve to preclude the Licensee from entering into any contracts, agreements and arrangements incidental or conducive to carrying out the activities listed in (1) above.

2. The Licensee shall not operate any broadcasting station without the Commission's specific approval in writing in respect of: -

- (i) characteristic frequency,
- (ii) name and geographical co-ordinates of broadcasting stations,
- (iii) effective radiated power,
- (iv) antenna characteristics, and
- (v) antenna height.

3. The Licensee shall comply with the directions given by the Commission in writing in relation to tolerance on characteristic frequency and radiation of spurious emissions or in relation, in any other respect, to the technical operation of the broadcasting stations and apparatus for wireless telegraphy mentioned in the preceding paragraphs.

4. The establishment and operation of television broadcasting stations shall be in accordance with the conditions relating to the establishment and operation of television broadcasting stations set out in Part I of this Licence.

5. If any harmful interference (whether avoidable or not) is caused to any radionavigation service or other safety services or a radiocommunications service operating in accordance with the applicable European Community or national regulations which was in existence prior to the broadcasting station or apparatus for wireless telegraphy causing the harmful interference, the Licensee shall, if the Commission considers it reasonable so to request, pay to the relevant party the amount of the expenses incurred in providing protection for such a service against the harmful interference, or in substituting for such a service a service of the same or a different description in another place and providing for the substituted service such protection against the harmful interference as the Commission considers necessary or expedient.

6. The Licensee shall comply with any radiation emission standards adopted and published by the International Commission for Non-Ionising Radiation Protection (ICNIRP) or its successors from time to time; any radiation emission standards of the European Committee

for Electrotechnical Standards and any other radiation emission standards specified by national and EC law. The Licensee shall ensure that non-ionising radiation emissions from apparatus operated by the Licensee are within the limits specified by the guidelines published by ICNIRP. The Licensee shall ensure that apparatus operated by the Licensee is not installed or operated at a location in such a manner as to cause the aggregate of non-ionising radiation emissions to exceed the limits specified by the guidelines published by ICNIRP.

7. The broadcasting stations which are the subject of this Licence shall, at all times, be operated by persons properly authorised by the Licensee and all reasonable steps shall be taken to ensure that access to the broadcasting stations cannot be obtained by unauthorised persons at any time.
8. The Commission shall not be liable for any costs incurred by the Licensee in averting any harmful interference whatsoever.

#### **Sanctions for Breach of Licence**

9. (1) Where the Commission finds that the Licensee does not comply with one or more of the conditions of the Licence conferred on it, the Commission shall notify the Licensee of those findings and give the Licensee a reasonable opportunity to state its views or remedy any breaches within:
  - (a) one month after notification,
  - (b) a shorter period agreed by the Licensee or stipulated by the Commission in the case of repeated breaches, or
  - (c) a longer period decided by the Commission.
- (2) The Commission may publish, in such manner as it thinks fit, any notification given by it under this Condition subject to the protection of the confidentiality of any information which the Commission considers confidential.

10. Where, at the end of the period referred to in Condition 9 (1), the Commission is of the opinion that the Licensee has not complied with the condition, it shall take appropriate and proportionate measures aimed at ensuring compliance.

### **Licence revocation**

11. (1) The Commission may, in cases of serious and repeated breaches of the conditions of the licence revoke, suspend or withdraw the licence, where measures aimed at ensuring compliance as referred to in Condition 10 have failed.

(2) Prior to any such revocation, suspension or withdrawal, the Commission shall serve notice on the Licensee specifying the reason therefore and shall give the Licensee a reasonable opportunity to make representations about the proposed revocation, suspension or withdrawal.

### **Prevention of Interference**

12. (1) If the Commission –
- (a) is satisfied that the use of the system or any part thereof is causing or represents an immediate and serious threat to public safety, public security or public health, or will create serious economic or operational problems for other providers or users of electronic communications networks or services, and
  - (b) serves on the Licensee an interim notice requiring that the use of such system or part as may be specified in such notice cease forthwith, or on or before such date and time as may be so specified;

The Licensee shall cease to use the system or part, unless and until such notice has been withdrawn by the Commission.

(2) Following the issuing of an interim notice, the Commission shall give the Licensee a reasonable opportunity to make representations about the interim notice and to propose any remedies.

(3) The Commission, having taken into account any representations or proposed remedies made under paragraph (2) may confirm, amend or withdraw the measure.

### **Restrictions on the Licensee**

13. The Licensee shall not, without the prior consent in writing of the Commission (such consent not to be unreasonably withheld), assign the Licence (or lease, or let the Licence). Any consent to transfer granted by the Commission under this paragraph, may be subject to such further conditions as the Commission considers appropriate in the circumstances.

14. The provisions of the International Telecommunication Convention, and of any international convention or international agreement relating to the use of frequencies to which the State may be, or may become, a party during the continuance of this Licence, shall be complied with.

### **Licence Duration**

15. This Licence shall operate from 29 February 2012 and, without prejudice to the right of the Commission to terminate or suspend the Licence in the case of non-compliance with the provisions of the Licence by the Licensee, shall be valid and continue in force until 24 October 2012 and shall then expire.

### **Definitions**

16. In this Licence:

- (a) a reference to a Schedule is to a Schedule to this Licence, unless it is indicated that reference to some enactment is intended;
- (b) a reference to a paragraph or subparagraph is to the paragraph or subparagraph of the provision in which the reference occurs, unless it is indicated that reference to some other provision is intended;
- (c) a reference to an enactment shall be construed as a reference to the enactment as amended or extended by or under any subsequent enactment.

17. (1) In this Licence, except where the subject or context requires otherwise, the following expressions have the meanings hereby assigned to them, that is to say: -

“broadcasting station” has the same meaning as in the Wireless Telegraphy Acts, 1926 to 2009;

"Commission" means the Commission for Communications Regulation established by Part 2 of the Communications Regulation Act, 2002;

“harmful interference” means interference which endangers the functioning of a radionavigation service or of other safety services or which otherwise seriously degrades, obstructs or repeatedly interrupts a radiocommunications service operating in accordance with the applicable European Community or national regulations;

“International Telecommunication Convention” means the International Telecommunication Convention signed at Nairobi on the 6<sup>th</sup> day of November 1982 and the Radio Regulations and additional Radio Regulations in force thereunder, and includes any Convention and Regulations which may from time to time be in force in substitution therefor, or in amendment thereof;

“Licensee” means the holder of the Licence, in this case Raidió Teilifís Éireann;

“wireless telegraphy” and “apparatus for wireless telegraphy” have the same meaning as in the Wireless Telegraphy Acts, 1926 to 2009.

(2) A word or expression which is used in this Licence and which is also used in the European Communities (Electronic Communications Networks and Services)(Framework) Regulations 2011 has, unless the context otherwise requires, the same meaning in this Licence that it has in the European Communities (Electronic Communications Networks and Services)(Framework) Regulations 2011

(3) A word or expression which is used in this Licence and which is also used in the European Communities (Electronic Communications Networks and

Services)(Authorisation) Regulations 2011 has, unless the context otherwise requires, the same meaning in this Licence that it has in the European Communities (Electronic Communications Networks and Services)(Authorisation) Regulations 2011

GIVEN under the official seal of the Commission for Communications Regulation this  
27 day of February 2012



Alex Chisholm  
Chairperson





## **PART I**

### **CONDITIONS RELATING TO THE ESTABLISHMENT AND OPERATION OF TELEVISION BROADCASTING STATIONS**

#### **1. PURPOSE**

This document specifies the general conditions attached to a licence for the establishment maintenance and operation of broadcasting stations. These conditions are set out in accordance with Section 121 (1) of the Broadcasting Act 2009.

#### **2. GENERAL**

**2.1** These conditions detail the characteristics of the equipment required for the purpose of frequency spectrum management and safety and do not include detailed equipment specifications.

**2.2** Evidence of type approval of equipment is not required by the Commission<sup>1</sup>. Instead a procedure of station certification by a suitably qualified person, will apply.

**2.3** Procedures for the modification of or addition of a station assignment are also specified in this document.

**2.4** The technical parameters specified in this document are in accordance with values specified in the Radio Regulations (2008), by ITU-R Study Group 11 (Television), and the final acts of the Geneva 2006 Agreement.

**2.5** The conditions specified in this document may be varied or added to from time to time by the Commission as required.

**2.6** In cases of doubt regarding the interpretation of these conditions, the decision of the Commission will be final.

#### **3. DEFINITIONS AND GLOSSARY OF TERMS**

##### **3.1 Radio Regulations**

Radio Regulations, Edition of 2008, as published by the International Telecommunications Union (ITU).

##### **3.2 Assignments**

A radio frequency or radio frequency channel for which authorisation by the Commission for Communications Regulation has been granted for its use at a specified station with specified characteristics.

##### **3.3 Station**

One or more transmitters or receivers or a combination of transmitters and receivers, including the associated equipment necessary, at one location for the purpose of carrying on a broadcasting service.

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<sup>1</sup> It is recommended that broadcasting transmitters comply with any appropriate European Telecommunications Standard.

### **3.4 Stockholm 1961 Agreement**

The Final Acts of the European VHF/UHF Broadcasting Conference, Stockholm 1961. An updated plan of assignments constitutes part of this Agreement.

### **3.5 Geneva 2006 Agreement**

The Final Acts of the Regional Radiocommunication Conference for planning of the digital terrestrial broadcasting service in parts of regions 1 and 3 in the frequency bands 174-230MHz and 470-862MHz.

### **3.6 Effective Radiated Power (ERP) in a given direction.**

The product of the power supplied to the antenna and its gain relative to a halfwave dipole in a given direction. This is usually expressed in decibels relative to one watt (dBW). In the case of analogue television broadcasting the ERP of the vision transmissions is the peak envelope power and for sound transmissions it is the unmodulated carrier power.

### **3.7 Maximum Effective Radiated Power.**

The maximum value of the effective radiated power in any direction.

### **3.8 Effective Antenna Height (Eff.Ht.)**

The height in meters above the average level of the ground between distances of 3 and 15km from the transmitter. This is calculated for each of 36 evenly spaced radials (10 degree separation) starting from true North<sup>2</sup>.

### **3.9 Maximum Effective Antenna Height**

The maximum value in meters for the effective antenna height in any one of the 36 directions referred to in 3.8.

### **3.10 Omnidirectional Antenna**

An antenna having a horizontal radiation pattern with variations of 2 dB or less over 360 degrees.

### **3.11 Service Area**

Locations where the field strength available (in the case of VHF and UHF services at the reference receiver height of 10 meters above ground) exceeds both the minimum wanted field strength and the protected field strength (PFS) values as derived from the assignments in the appropriate plans.

### **3.12 Vertical Aperture**

In relation to a VHF or UHF antenna system, the distance in wavelengths between the centres of the outermost radiating elements, plus one half wavelength, in the vertical plane.

### **3.13 Commission**

Commission for Communications Regulation

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<sup>2</sup> This can be calculated by the Commission using the National Grid Reference, consisting of one letter and six digits, for the transmitting station, provided the site height above sea level and the antenna height above ground level are supplied

## **4. TRANSMITTER CONSTRUCTION**

### **4.1 General**

The mechanical and electrical construction shall meet such requirements as can be reasonably set, taking the state of the art into account (see also section 6 ‘Safety and Weather Protection’).

All controls, meters, indicators and terminals shall be clearly labelled. Details of the power supply from which the equipment is intended to operate shall be clearly indicated. The equipment should normally consist of one complete unit.

### **4.2 Controls**

Controls which, when wrongly adjusted, increase the risk of causing interference or of improper functioning of the transmitter shall be immediately accessible to qualified personnel only.

### **4.3 Manufacturer’s Identification**

The transmitter shall be provided with an indication showing the manufacturer’s trademark, type designation and serial number. The indication shall be fitted on the outside of the transmitter, shall be clearly readable, non-removable and indelible.

## **5. FACILITIES FOR TESTING TRANSMISSION INSTALLATION**

Adequate and accurately calibrated test equipment shall be made available for non-radiative measurement of transmitter power, modulation characteristics and spurious emissions while the station is undergoing initial alignment and regular maintenance.

## **6. SAFETY AND WEATHER PROTECTION**

### **6.1 General Safety**

The station and its premises must comply with all relevant statutory safety regulations.

### **6.2 Safety Controls**

There shall be a single control to isolate power for the entire installation. If a form of auxiliary power (such as diesel generators or an uninterruptable power supply) is provided, then the same control should isolate these. The “on” position of such a device must be clearly indicated.

### **6.3 Safety Standards**

The system must comply with

- the Safety Requirements for Radio Transmitting Equipment as per I.S./EN 60215 : 1989<sup>3</sup>
- any radiation emission standards adopted and published by the International Commission for Non-Ionising Radiation Protection (ICNIRP) or its successors from time to time;
- any radiation emission standards of the European Committee for Electrotechnical Standards and
- any other radiation emission standards specified by national and EC law.

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<sup>3</sup> This standard is available from the National Standards Authority of Ireland

The Licensee shall ensure that non-ionising radiation emissions from apparatus operated by the Licensee are within the limits specified by the guidelines published by ICNIRP. The Licensee shall ensure that apparatus operated by the Licensee is not installed or operated at a location in such a manner as to cause the aggregate of non-ionising radiation emissions to exceed the limits specified by the guidelines published by ICNIRP.

#### **6.4 Weather Protection**

All apparatus and cables exposed to weather, corrosive atmosphere or other adverse conditions shall be so constructed or protected as may be necessary to prevent danger or interference to other services arising from such exposure.

## **7. SITE ENGINEERING**

### **7.1 General**

The practice of good site engineering is a necessary requirement to ensure good coverage, safety of personnel and minimum interference to other services. In addition, careful consideration is required for other services when operating from the same site or in close proximity to them. The Licensee shall ensure that all necessary precautions are undertaken to ensure good site engineering practise.

### **7.2 Spurious Emissions**

Careful consideration should be given to the levels of spurious emissions set out in the relevant subsection of section 8.

## **8. TRANSMISSION CHARACTERISTICS FOR TELEVISION BROADCASTING**

### **8.1 Frequency Aspects**

The equipment shall be designed to operate on the assigned frequency in the frequency Bands 174.0 to 222.0 MHz or 470.0 to 862.0 MHz only.

The frequency tolerance shall be:

- $\pm 500$  Hz, for transmitters for which the licence characteristics do not require the use of precision offset.
- $\pm 1$  Hz, for transmitters for which the licence characteristics require the use of precision offset.
- $\pm 10$  kHz, for stations of 0 dBW (vision peak envelope power) used to serve small isolated communities.

The transmit frequency shall be derived from a crystal oscillator. If use is made of a synthesiser and/or a phase locked loop system, the transmitter shall be inhibited when synchronisation is absent. The transmitter frequency adjustment control shall be accessible to qualified personnel only.

### **8.2 Maximum Permitted Levels of Spurious Emissions**

The maximum permitted level of spurious emission for a transmitting station shall be:

- at least 40 dB below the transmitter e.r.p. and shall not in any case exceed -46 dBW for a transmitter e.r.p. less than or equal 14dBW.
- at least 60dB below the transmitter e.r.p. and
  - 1) in the case of VHF transmitters shall not in any case exceed -30 dBW for transmitter e.r.p. above 14 dBW or
  - 2) in the case of UHF transmitters shall not in any case exceed -17 dBW for transmitter e.r.p. above 14 dBW.

### 8.3 Class of Emission, Bandwidth, and Modulation Standards

#### 8.3.1 Designation of Emission and Maximum permitted Bandwidth

The total bandwidth of the radiated signal shall not exceed 8 MHz. The emissions shall comply with the following designations:

A) 7M25C9FNW where;

7M25	=	necessary bandwidth	=	7.25 MHz
C	=	type of modulation	=	Vestigial sideband
9	=	Modulating signal	=	Composite analogue/digital signal
F	=	Information type	=	Television (video)
N	=	Colour		
W	=	Combination of frequency-division and time-division multiplex		

B) 750KF3EGN where;

750K	=	necessary bandwidth	=	750 kHz
F	=	type of modulation	=	Frequency modulation
3	=	modulating signal	=	a single channel containing analogue information
E	=	information type	=	Sound broadcasting
G	=	Sound of broadcasting quality (monophonic)		
N	=	Nature of multiplex	=	None

#### 8.3.2 Television Standard

The television standard used shall be PAL system I or the PALPlus system.

*Summary list of parameters (for PAL I only):-*

##### Frequency spacing

Nominal radio-frequency channel bandwidth	8 MHz
Vision/Sound Carrier separation	5.9996MHz ( $\pm 0.0005$ MHz)
Nearest edge of channel relative to vision carrier	-1.25MHz
Nominal width of vestigial sideband	1.25 MHz
Nominal width of main sideband	5.5 MHz

##### Modulation

Type and polarisation of vision modulation	C9F negative
Type of sound modulation	F3E
Maximum frequency deviation	$\pm 50$ kHz
Pre-Emphasis for modulation	50 $\mu$ S

Levels in the radiated signal (% of peak vision carrier)

Synchronising level	100
Blanking level	76 $\pm$ 2
Difference between black level and blanking level (nominal)	0
Peak white level	20 $\pm$ 2
Ratio of vision to sound effective radiated powers	10/1 <sup>4</sup>

**8.3.3 Permitted second sound carrier for the transmission of stereo or bilingual sound**

An additional carrier at 6.552 MHz above the vision carrier for the NICAM 728 multi channel sound system as specified in ITU-R Rec. 707 is permitted.

**8.4 Additional Broadcasting Services**

**8.4.1 Permitted Additional Broadcasting Services**

The transmission of a teletext service during the field blanking interval is permitted. The system used must conform to Teletext System B parameters described in ITU-R Rec. 653-1. Insertion reference signals may be transmitted on lines 17 and 330 as outlined in ITU-R Rep. 628-4. Insertion test signals for automatic monitoring of the television system may also be transmitted on other blank lines. The transmission of PALPlus signals in lines at the start and end of each frame is permitted.

A widescreen television service may broadcast in the 16:9 aspect ratio using the PALPlus system as described in ITU-R BT 1197-1 ensuring compatibility with the current PAL I system.

**8.4.2 Additional Broadcasting Services Requiring Approval from the Commission**

Prior approval must be obtained from the Commission for any additional broadcasting services other than those indicated in 8.4.1

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<sup>4</sup> In certain cases an alternative vision to sound carrier ratio may be specified by the Commission



## 8.5 Power and Polarisation

For a given assignment the radio frequency power and polarisation are specified in the licensed station characteristics. The power is given in terms of the maximum effective radiated power for the vision carrier (peak envelope power) and the sound carrier (unmodulated carrier power). The effective radiated power in a given azimuth is the maximum effective radiated power (in dBW) less the radiation restriction (in dB) at the azimuth due to the antenna radiation pattern.

As the effective radiated power is the sum of the transmitter output power (in dBW) and the gain of the antenna (in dB) in a given direction, the output carrier power of transmitter shall be adjustable so that the value of the effective radiated power in a given direction permitted for each station is not exceeded.

If the equipment is designed to operate with different levels of carrier power, the rated output power for each power level must be declared by the manufacturer.

## 9. MINIMUM FIELD STRENGTH

The minimum field strengths used in planning are:

- 1) +55dB( $\mu$  V/m) for band III (174 MHz to 223 MHz)
- 2) +65dB( $\mu$  V/m) for band IV (470 MHz to 582 MHz)
- 3) +70dB( $\mu$  V/m) for band V (582 MHz to 862 MHz)

The VHF/UHF values are for 10 metres above ground level.

Protection cannot be sought for locations with a field strength below the above mentioned values.

## 10. OVERVIEW OF NATIONAL BAND PLAN (Television)

### 10.1 Frequency Channels and Standard Groups

The VHF frequency band for television broadcasting is 174 to 222 MHz. The UHF frequency band for broadcasting is 470 to 862 MHz. The designated television channels for the VHF and UHF bands and the UHF channel grouping adopted by the Commission are detailed in Annex 1.

As a general principle and in order to minimise interference between different users the allocation of channels in a group will as far as it is practical to do so, be on the principle of co-programming i.e. the same user will be allocated the same channel in a given channel group wherever it is allocated.

Due to the phased development of UHF television broadcasting a station may initially have coverage in excess of the planned service area. With the introduction of additional stations it is to be expected that this extended service area will be reduced.

### 10.2 Assignment List

A list of the Assignments, which constitute the national plan, will be maintained by the Commission.

### 10.3 Planning Parameters

The planning parameters used by the Commission correspond to those recommended by the ITU-R. A summary of these parameters is given below.

<b><u>Parameter</u></b>	<b><u>Description</u></b>	<b><u>Value used</u></b>
Propagation using terrain data	Wanted Signal:	50% location, 50% time
	Unwanted Signal, Domestic:	50% location, 5% time
	Unwanted Signal, RBL <sup>5</sup> :	50% location, 1% time
Quality of service	Continuous Interference:	Grade 4 <sup>6</sup>
	Tropospheric Interference:	Grade 3 <sup>7</sup>
Polarisation Discrimination	Domestic:	15 dB
	RBL:	20 dB
Maximum Receive antenna directivity	Domestic:	16 dB
	RBL:	20 dB

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<sup>5</sup>Re-Broadcast Link

<sup>6</sup>Grade 4: Perceptible, but not annoying

<sup>7</sup>Grade 3: Slightly annoying

<b>Protection Ratio</b>		
Co-channel, continuous:		52 dB, no offset 40 dB, 4/12 line offset
Co-channel, continuous: (PAL I interfered with by DVB-T 8 MHz)		41 dB
Co-channel, tropospheric:		45 dB, no offset 30 dB, 4/12 line offset
Co-channel, tropospheric: (PAL I interfered with by DVB-T 8 MHz)		37 dB
Lower adjacent channel		-9 dB, tropospheric
Analogue vision signal interfered with by lower adjacent channel DVB-T 8MHz		-8 dB, tropospheric -4 dB, continuous
Upper adjacent channel		-12 dB, tropospheric
Analogue vision signal interfered with by upper adjacent channel DVB-T 8MHz		-10 dB, tropospheric -6 dB, Continuous
Image channel		-10 dB, tropospheric
Local oscillator channel		-10 dB, tropospheric
Co-Channel Precision offset	continuous, no offset	36 dB
	tropospheric, no offset	32 dB
	continuous, 4/12 line offset	27 dB
	tropospheric, 4/12 line offset	22 dB

Protection ratios for analogue television broadcasting interfered with by digital sound broadcasting (T-DAB) in VHF III are as given in the Wiesbaden, 1995, Special Arrangement, as revised at Maastricht 2002.

## **11. STATION CERTIFICATION AND MAINTENANCE**

### **11.1 Access and Personnel**

Only authorised personnel shall have access to the Transmission Equipment for the purpose of adjustment or maintenance of that equipment.

The Licensee shall ensure that all authorised personnel are adequately trained for the functions they are to undertake.

### **11.2 Examination and Testing**

When the installation of equipment is complete the Licensee shall inform the Commission and seek permission for on-air testing. The Licensee shall then examine the station and when ready to commence operations shall provide the Commission with certification indicating that the station is operating in accordance with the specified conditions and characteristics and shall inform the Commission of the date of commencement of operations.

### **11.3 Maintenance**

The transmission installation shall be so maintained as to always comply with these conditions. The Licensee shall ensure that a suitably qualified person has the necessary technical training, knowledge and practical experience so as to be able to certify that the installation and maintenance of the station complies with these conditions. The Licensee shall examine each station annually to ensure compliance and shall keep a log indicating dates and results of these examinations.

### **11.4 Time Limit**

A Maximum period of one year will be allowed from the date of amendment of a licence for an amended station to come on air and the procedures outlined in this section to be completed. If a certificate of compliance has not been forwarded to the Commission within this period the approval for the station in question may be revoked by the Commission.

## **12. ADDITIONAL AND MODIFIED ASSIGNMENTS**

### **12.1 Requisite Information**

The Licensee shall provide the Commission with all the necessary details in support of an application for an additional assignment or a modification of an existing assignment. The standard information required is contained in Annex 2.

### **12.2 Examination**

The Licensee shall have regard, in preparation of an application for an additional or modified assignment, to other Licensees having assignments in the same frequency segment and make an examination of the compatibility of the assignments. A report of this examination shall be provided to the Commission at the time of making an application.

### **12.3 Field Strength Measurements**

It may be necessary to supply field strength measurements in support of an application or an interference complaint. In relation to VHF and UHF, these measurements shall be supplied in accordance with the procedures outlined in Annex 3.

### **12.4 International Agreements**

The Commission is bound by the provisions of the Radio Regulations and various Regional Radiocommunications Agreements, including but not limited to the Geneva 2006 Agreement. These agreements require the Commission to undertake certain co-ordination and registration procedures when considering additions or modifications of the assignment plan.

A minimum of three months is allowed for co-ordination. However, co-ordination of additional or modified assignments cannot be guaranteed. The Licensee shall allow adequate time in planning and provide the Commission with the relevant information to ensure compliance with these agreements.

**TABLE OF CHANNEL FREQUENCIES**  
**and**  
**CHANNEL GROUPS**

**NOTE**

The carrier frequencies do not include offsets.  
The offsets to be used will be specified in the licence.

**TABLE 1**

**BAND III CHANNELS**

**Frequency Band 174.00 to 222.00 MHz**

<b>Channel Number</b>	<b>Channel Frequencies (MHz)</b>	<b>Vision Carrier (MHz)</b>	<b>Sound Carrier (MHz)</b>
ID	174 - 182	175.25	181.25
IE	182 - 190	183.25	189.25
IF	190 - 198	191.25	197.25
IG	198 - 206	199.25	205.25
IH	206 - 214	207.25	213.25
II	214 - 222	215.25	221.25

**TABLE 2****BAND IV CHANNELS****Frequency Band 470.00 to 582.00 MHz**

<b>Channel Number</b>	<b>Channel Frequencies (MHz)</b>	<b>Vision Carrier (MHz)</b>	<b>Sound Carrier (MHz)</b>
21	470 - 478	471.25	477.25
22	478 - 486	479.25	485.25
23	486 - 494	487.25	493.25
24	494 - 502	495.25	501.25
25	502 - 510	503.25	509.25
26	510 - 518	511.25	517.25
27	518 - 526	519.25	525.25
28	526 - 534	527.25	533.25
28	534 - 542	535.25	541.25
30	542 - 550	543.25	549.25
31	550 - 558	551.25	557.25
32	558 - 566	559.25	565.25
33	566 - 574	567.25	573.25
34	574 - 582	575.25	581.25



**TABLE 3****BAND V CHANNELS****Frequency Band 582.00 to 862.00**

<b>Channel Number</b>	<b>Channel Frequencies (MHz)</b>	<b>Vision Carrier (MHz)</b>	<b>Sound Carrier (MHz)</b>
35	582 - 590	583.25	589.25
36	590 - 598	591.25	597.25
37	598 - 606	599.25	605.25
38	606 - 614	607.25	613.25
39	614 - 622	615.25	621.25
40	622 - 630	623.25	629.25
41	630 - 638	631.25	637.25
42	638 - 646	639.25	645.25
43	646 - 654	647.25	653.25
44	654 - 662	655.25	661.25
45	662 - 670	663.25	669.25
46	670 - 678	671.25	677.25
47	678 - 686	679.25	685.25
48	686 - 694	687.25	693.25
49	694 - 702	695.25	701.25
50	702 - 710	703.25	709.25
51	710 - 718	711.25	717.25
52	718 - 726	719.25	725.25
53	726 - 734	727.25	733.25
54	734 - 742	735.25	741.25

**TABLE 3 (continued)**

**BAND V CHANNELS**

<b>Channel Number</b>	<b>Channel Frequencies (MHz)</b>	<b>Vision Carrier (MHz)</b>	<b>Sound Carrier (MHz)</b>
55	742 - 750	743.25	749.25
56	750 - 758	751.25	757.25
57	758 - 766	759.25	765.25
58	766 - 774	767.25	773.25
59	774 - 782	775.25	781.25
60	782 - 790	783.25	789.25
61	790 - 798	791.25	797.25
62	798 - 806	799.25	805.25
63	806 - 814	807.25	813.25
64	814 - 822	815.25	821.25
65	822 - 830	823.25	829.25
66	830 - 838	831.25	837.25
67	838 - 846	839.25	845.25
68	846 - 854	847.25	853.25
69	854 - 862	855.25	861.25

**TABLE 4**

**TABLE OF STANDARD UHF CHANNEL GROUPS**

<b>Group Number</b>	<b>Channels</b>			
1	21	24	27	31
2	22	25	28	32
3	23	26	29	33
4	39	42	45	49
5	40	43	46	50
6	41	44	47	51
7	53	57	60	63
8	54	58	61	64
9	55	59	62	65
10	52	56	66	68
Some of the channels in the above groups together with others not appearing in any group may be formed into alternative groups, for example:				
3A	23	26	30	34

Note: The use of other non-standard groups is considered where necessary.

Information for the Addition / Modification of a Television Assignment

1 Name of Transmitter Site: \_\_\_\_\_

2 Geographic Coordinates: Lat: \_\_\_\_\_ Long: \_\_\_\_\_

3 National Grid Reference: \_\_\_\_\_

4 Channel(s): \_\_\_\_\_

5 Offset(s)(twelfth line): \_\_\_\_\_

6 Frequency (MHz)	<u>Programme Services</u>	<b>Vision</b>	<b>Sound</b>
	_____	_____	_____
	_____	_____	_____
	_____	_____	_____
	_____	_____	_____

7 Altitude of Site above sea level(m): \_\_\_\_\_

8 Height of Antenna above ground level (m): \_\_\_\_\_

9 Polarisation: \_\_\_\_\_

10 Maximum Effective Radiated Power (dBW): \_\_\_\_\_

11 Directivity of Antenna (D or ND): \_\_\_\_\_

12 Map, Ordnance Survey Maps such as the "Discovery Series" or equivalent are acceptable, outlining the intended service area.



**Standardised Procedure for Making  
Field Measurements of Signals Radiated from VHF and UHF  
Broadcasting Transmitters**

**Location of Tests**

1. The precise location of the selected test point should be noted on a map. The scale of the map should be large enough to allow a national grid reference, accurate to 100m, to be easily read.
2. A general description of the test point vicinity should be noted (i.e. urban, suburban, rural, mountains, flat etc).
3. Particular note should be made of obstructions, if any, in the vicinity that may obscure the line of sight from the selected test point to a particular transmitter.
4. The test point should be selected as far as possible, so as to minimize electrical interference from ESB power lines, heavy traffic or high-power industrial electrical apparatus.

**Taking Measurements**

1. **Height of Antenna above ground level (agl)**  
The internationally accepted reference height, used in VHF and UHF broadcast planning, for field strength values is 10 metres agl.
2. **Horizontal separation distance of the antenna from the mast**  
The antenna should be separated a suitable distance from the mast. This minimises any distortive effects on the specified antenna gain pattern which may be caused by the proximity of the mast. A separation distance of at least one quarter wavelength between the antenna and the mast is recommended.
3. **Cable Loss**  
Cable loss should be taken into account
4. **Voltage Standing Wave Ratio (VSWR)**  
The VSWR of the antenna should be measured, for the frequency range in question, using a VSWR meter. This is done to verify the antenna impedance is matched to that of the cable. The VSWR should be between 1.0 and 1.5.

A form to plan and record measurements has been drawn up and is contained below.

5. **Conversion Formulae**

Equations for the conversion of voltage values to electric field strength values are contained in below.

Equations for conversion of voltage values to electric field strength values :

$$E = 4 * (\Pi / \lambda) * \sqrt{((30 * V^2) / (R * G))}$$

where

E = Electric Field Strength (volts/metre)

$\Pi = 3.14159$

$\lambda$  = Wavelength of transmitted signal (metres)

V = Measured Voltage Reading (volts)

R = Input Impedance (50 ohms)

G = Receiving Antenna Gain (Linear Ratio)

$$E_{dB\mu V/m} = 20 * \text{Log}_{10} E_{\mu V/m}$$

Alternatively,

$$E_{dB\mu V/m} = V_{dB\mu V} + 20 * \text{Log}_{10} (F_{MHz}) - G_{rx} + L_{dB} - 29.78$$

where

F = Frequency

L = Feeder losses

**Date:**

**Sheet No.**

**MEASUREMENTS**

**Download (Uncorrected) Values**

Antenna Details:		
Type:	Height (m):	Gain (dB):
	Polarisation:	VSWR:
Cable Loss at 100 MHz (dB):	Cable Loss at 200 MHz (dB):	
Cable Loss at 600 MHz (dB):	Cable Loss at 800 MHz (dB):	
Measuring Instrument Used:		

**Test Point**

NGR: Description:	NGR: Description:	NGR: Description:
----------------------	----------------------	----------------------

Transmitter Site	Description of Terrain in Transmitter Direction		
Station	Freq (MHz)	Signal Level (dB $\mu$ V)	

Transmitter Site	Description of Terrain in Transmitter Direction		
Station	Freq (MHz)	Signal Level (dB $\mu$ V)	



**Date:**

**Sheet No.**

Test Point

NGR: Description:	NGR: Description:	NGR: Description:
----------------------	----------------------	----------------------

Transmitter Site	Description of Terrain in Transmitter Direction		
Station	Freq (MHz)	Signal Level (dB $\mu$ V)	

Transmitter Site	Description of Terrain in Transmitter Direction		
Station	Freq (MHz)	Signal Level (dB $\mu$ V)	

Transmitter Site	Description of Terrain in Transmitter Direction		
Station	Freq (MHz)	Signal Level (dB $\mu$ V)	

## **PART II – Technical Schedules**

Station Name	Ch	Longitude	Latitude	Site Ht (m)	Ant Ht (m)	Ant Sp	Vision Carrier Freq (MHz)	Vision ERP (dBW)	Primary Sound Freq (MHz)	Primary Sound ERP (dBW)	Secondary Sound Carrier Freq (MHz)	Secondary Sound ERP (dBW)	Service Name	Ch	ERP
ABBEYFEALE	40	9W1731	52N2213	194	20	H	623.25	17	629.25	7	629.8	-3.0	RTÉ One	32	D
ABBEYFEALE	43	9W1731	52N2213	194	20	H	647.25	17	653.25	7	653.8	-3.0	RTÉ Two	0	D
ACHILL VP	40	10W0135	53N5726	366	50	V	623.25	43	629.25	33	629.8	23.0	RTÉ One	0	D
ACHILL VP	43	10W0135	53N5726	366	50	V	647.25	43	653.25	33	653.8	23.0	RTÉ Two	32	D
AGHAVANNAGH	54	6W2625	52N5525	285	6	H	735.25	13	741.25	3	741.8	-7.0	RTÉ One	0	D
AGHAVANNAGH	58	6W2625	52N5525	285	6	H	767.25	13	773.25	3	773.8	-7.0	RTÉ Two	0	D
ANASCAUL	39	10W0902	52N0334	37	5	H	615.25	10	621.25	0	621.8	-10.0	RTÉ One	0	N
ANASCAUL	42	10W0902	52N0334	37	5	H	639.25	10	645.25	0	645.8	-10.0	RTÉ Two	0	N
ANNAGARY	30	8W2004	55N0120	15	5	H	543.25	0	549.25	-10	549.8	-20.0	RTÉ One	0	N
ARAGLIN	54	8W0902	52N1312	183	5	H	735.25	0	741.25	-10	741.8	-20.0	RTÉ One	0	N
ARAGLIN	58	8W0902	52N1312	183	5	H	767.25	0	773.25	-10	773.8	-20.0	RTÉ Two	0	N
ARANMORE	39	8W3027	54N5859	125	45	V	615.25	39	621.25	29	621.8	19.0	RTÉ One	0	D
ARANMORE	42	8W3027	54N5859	125	45	V	639.25	39	645.25	29	645.8	19.0	RTÉ Two	32	D
ASHFORD	22	6W0554	53N0053	50	18	V	479.25	16	485.25	6	485.8	-4.0	RTÉ One	32	N
ASHFORD	25	6W0554	53N0053	50	18	V	503.25	16	509.25	6	509.8	-4.0	RTÉ Two	32	N
ASHLEAM	21	9W5536	53N5431	20	10	V	471.25	14	477.25	4	477.8	-6.0	RTÉ One	0	N
ASHLEAM	24	9W5536	53N5431	20	10	V	495.25	14	501.25	4	501.8	-6.0	RTÉ Two	-32	N
AVOCA A/BALLYARTHUR	60	6W1323	52N5035	30	5	H	783.25	0	789.25	-10	789.8	-20.0	RTÉ One	0	N
AVOCA A/BALLYARTHUR	63	6W1323	52N5035	30	5	H	807.25	0	813.25	-10	813.8	-20.0	RTÉ Two	0	N
AVOCA B/AVOCA	30	6W1255	52N5101	30	5	V	543.25	0	549.25	-10	549.8	-20.0	RTÉ One	0	N
AVOCA B/AVOCA	34	6W1255	52N5101	30	5	V	575.25	0	581.25	-10	581.8	-20.0	RTÉ Two	0	N
BALLINASTOE SH	30	6W1113	53N0615	240	6	V	543.25	0	549.25	-10	549.8	-20.0	RTÉ One	0	N
BALLINASTOE SH	34	6W1113	53N0615	240	6	V	575.25	0	581.25	-10	581.8	-20.0	RTÉ Two	0	N
BALLINGEARY	54	9W1333	51N5010	220	18	H	735.25	14	741.25	4	741.8	-6.0	RTÉ One	0	D
BALLINGEARY	58	9W1333	51N5010	220	18	H	767.25	14	773.25	4	773.8	-6.0	RTÉ Two	0	D
BALLINGLEN	21	9W2250	54N1345	70	10	H	471.25	10	477.25	0	477.8	-10.0	RTÉ One	0	D
BALLINGLEN	24	9W2250	54N1345	70	10	H	495.25	10	501.25	0	501.8	-10.0	RTÉ Two	-32	D
BALLINTRILLICK	30	8W2524	54N2434	48	30	H	543.25	17	549.25	7	549.8	-3.0	RTÉ One	0	D
BALLINTRILLICK	34	8W2524	54N2434	48	30	H	575.25	17	581.25	7	581.8	-3.0	RTÉ Two	32	D
BALLYANDREEN	29	8W0315	51N4930	61	6	V	535.25	0	541.25	-10	541.8	-20.0	RTÉ One	0	N
BALLYANDREEN	33	8W0315	51N4930	61	6	V	567.25	0	573.25	-10	573.8	-20.0	RTÉ Two	-32	N
BALLYBOFEY	54	7W4458	54N4730	83	37	V	735.25	27	741.25	17	741.8	7.0	RTÉ One	0	D
BALLYBOFEY	58	7W4458	54N4730	83	37	V	767.25	27	773.25	17	773.8	7.0	RTÉ Two	0	D
BALLYDAVID	22	10W2215	52N1143	15	20	V	479.25	23	485.25	13	485.8	3.0	RTÉ One	32	N
BALLYDAVID	25	10W2215	52N1143	15	20	V	503.25	23	509.25	13	509.8	3.0	RTÉ Two	32	N
BALLYMACARBRY	54	7W4354	52N1550	158	12	H	735.25	15	741.25	5	741.8	-5.2	RTÉ One	-32	N
BALLYMACARBRY	58	7W4354	52N1550	158	12	H	767.25	15	773.25	5	773.8	-5.2	RTÉ Two	32	N
BALLYPOREEN	48	8W0625	52N1656	107	5	H	687.25	0	693.25	-10	693.8	-20.0	RTÉ One	0	N
BALLYPOREEN	52	8W0625	52N1656	107	5	H	719.25	0	725.25	-10	725.8	-20.0	RTÉ Two	0	N
BANDON	41	8W4347	51N4426	55	20	H	631.25	17	637.25	7	637.8	-3.0	RTÉ One	32	D
BANDON	44	8W4347	51N4426	55	20	H	655.25	17	661.25	7	661.8	-3.0	RTÉ Two	-32	D
BANTRY HP	40	9W2638	51N3956	175	33	H	623.25	30	629.25	20	629.8	10.0	RTÉ One	-32	D
BANTRY HP	43	9W2638	51N3956	175	33	H	647.25	30	653.25	20	653.8	10.0	RTÉ Two	-32	D
BANTRY VP	40	9W2638	51N3956	175	35	V	623.25	36	629.25	26	629.8	16.0	RTÉ One	-32	D
BANTRY VP	43	9W2638	51N3956	175	35	V	647.25	36	653.25	26	653.8	16.0	RTÉ Two	-32	D
BEALANABRACK	39	9W3627	53N3124	75	15	H	615.25	20	621.25	10	621.8	0.0	RTÉ One	-32	N
BEALANABRACK	42	9W3627	53N3124	75	15	H	639.25	20	645.25	10	645.8	0.0	RTÉ Two	0	N
BEEFAN	41	8W4335	54N4250	50	3	H	631.25	10	637.25	0	637.8	-10.0	RTÉ One	0	D
BEEFAN	44	8W4335	54N4250	50	3	H	655.25	10	661.25	0	661.8	-10.0	RTÉ Two	0	D
BELLEVUE-GREYSTONES	53	6W0600	53N0855	220	30	V	727.25	30	733.25	20	733.8	10.0	RTÉ One	-32	D
BELLEVUE-GREYSTONES	57	6W0600	53N0855	220	30	V	759.25	30	765.25	20	765.8	10.0	RTÉ Two	-32	D
BEN GORM	54	9W4455	53N3645	110	5	V	735.25	10	741.25	0	741.8	-10.0	RTÉ One	0	D
BEN GORM	58	9W4455	53N3645	110	5	V	767.25	10	773.25	0	773.8	-10.0	RTÉ Two	0	D
BLARNEY	29	8W3503	51N5503	101	25	H	535.25	20	541.25	10	541.8	0.0	RTÉ One	32	D
BLARNEY	33	8W3503	51N5503	101	25	H	567.25	20	573.25	10	573.8	0.0	RTÉ Two	-32	D
BONANE	40	9W3159	51N4925	137	6	H	623.25	0	629.25	-10	629.8	-20.0	RTÉ One	0	N
BONANE	43	9W3159	51N4925	137	6	H	647.25	0	653.25	-10	653.8	-20.0	RTÉ Two	0	N
BRISKA	54	9W4315	54N0902	220	12	H	735.25	10	741.25	0	741.8	-10.0	RTÉ One	0	D
BRISKA	58	9W4315	54N0902	220	12	H	767.25	10	773.25	0	773.8	-10.0	RTÉ Two	0	D
BROADFORD	40	8W3858	52N4806	61	12	V	623.25	13	629.25	3	629.8	-7.0	RTÉ One	0	N
BROADFORD	43	8W3858	52N4806	61	12	V	647.25	13	653.25	3	653.8	-7.0	RTÉ Two	32	N
BURT	46	7W2918	55N0155	40	10	V	671.25	7	677.25	-3	677.8	-13.0	RTÉ One	0	D
BURT	48	7W2918	55N0155	40	10	V	687.25	7	693.25	-3	693.8	-13.0	RTÉ Two	0	D
CAHIR	35	7W5700	52N2311	177	20	V	623.25	20	629.25	10	629.8	0.0	RTÉ One	-32	D
CAHIR	37	7W5700	52N2311	177	20	V	647.25	20	653.25	10	653.8	0.0	RTÉ Two	-32	D
CAIRN HILL	40	7W4258	53N4825	277	129	H	623.25	59	629.25	49	629.8	39.0	RTÉ One	32	D

Station Name	Ch	Longitude	Latitude	Site Ht (m)	Ant. Ht (m)	Pol	Vision Carrier Freq. (MHz)	Vision ERP (dBw)	Primary Sound Freq. (MHz)	Primary Sound ERP (dBw)	Secondary Carrier Freq. (MHz)	Secondary Sound ERP (dBw)	Ncam Sound ERP (dBw)	Service Name	Off-air	On-air
CAIRN HILL	43	7W4258	53N4825	277	129	H	647.25	59	653.25	49	653.8	39.0	RTÉ Two	0	D	
CARHAN (KILLURLEY WEST)	53	10W1136	51N5824	40	12	V	727.25	20	733.25	10	733.8	0.0	RTÉ One	-32	D	
CARHAN (KILLURLEY WEST)	57	10W1136	51N5824	40	12	V	759.25	20	765.25	10	765.8	0.0	RTÉ Two	0	D	
CARLINGFORD	41	6W0749	54N0138	10	35	V	631.25	23	637.25	13	637.8	3.0	RTÉ One	0	D	
CARLINGFORD	44	6W0749	54N0138	10	35	V	655.25	23	661.25	13	661.8	3.0	RTÉ Two	0	D	
CARRICKMOURNE	54	7W0749	52N3150	30	10	H	735.25	13	741.25	3	741.8	-7.0	RTÉ One	0	N	
CARRICKMOURNE	58	7W0749	52N3150	30	10	H	767.25	13	773.25	3	773.8	-7.0	RTÉ Two	0	N	
CARRIGADROHID	54	8W5125	51N5333	88	15	H	735.25	0	741.25	-10	741.8	-20.0	RTÉ One	0	N	
CARRIGADROHID	58	8W5125	51N5333	88	15	H	767.25	0	773.25	-10	773.8	-20.0	RTÉ Two	0	N	
CARROWREVAGH	30	9W3400	53N4310	212	5	V	543.25	14	549.25	4	549.8	-6.0	RTÉ One	0	D	
CARROWREVAGH	34	9W3400	53N4310	212	5	V	575.25	14	581.25	4	581.8	-6.0	RTÉ Two	0	D	
CASLA	39	9W3334	53N1721	10	55	V	615.25	37	621.25	27	621.8	17.0	RTÉ One	0	D	
CASLA	42	9W3334	53N1721	10	55	V	639.25	37	645.25	27	645.8	17.0	RTÉ Two	32	D	
CASTLEBAR	29	9W2223	53N5530	420	60	H	535.25	43	541.25	33	541.8	23.0	RTÉ One	32	N	
CASTLEBAR	33	9W2223	53N5530	420	60	H	567.25	43	573.25	33	573.8	23.0	RTÉ Two	32	N	
CASTLETOWNBERE	53	10W0003	51N3822	460	35	V	727.25	43	733.25	33	733.8	23.0	RTÉ One	0	D	
CASTLETOWNBERE	57	10W0003	51N3822	460	35	V	759.25	43	765.25	33	765.8	23.0	RTÉ Two	-32	D	
CLERMONT CARN	52	6W1919	54N0443	510	116	V	719.25	55	725.25	45	725.8	34.7	RTÉ One	32	D	
CLERMONT CARN	56	6W1919	54N0443	510	116	V	751.25	55	757.25	45	757.8	34.7	RTÉ Two	32	D	
CLERMONT CARN LP	29	6W1919	54N0443	510	45	V	535.25	20	541.25	10	541.8	0.0	RTÉ One	32	D	
CLERMONT CARN LP	33	6W1919	54N0443	510	45	V	567.25	20	573.25	10	573.8	0.0	RTÉ Two	32	D	
CLIFDEN	22	9W5618	53N3024	270	50	V	479.25	43	485.25	33	485.8	23.0	RTÉ One	0	D	
CLIFDEN	25	9W5618	53N3024	270	50	V	503.25	43	509.25	33	509.8	23.0	RTÉ Two	0	D	
CLIFDEN GLEN	39	9W5909	53N2916	61	10	V	615.25	10	621.25	0	621.8	-10.0	RTÉ One	0	D	
CLIFDEN GLEN	42	9W5909	53N2916	61	10	V	639.25	10	645.25	0	645.8	-10.0	RTÉ Two	0	D	
CLOGHAN (Donegal)	40	7W5643	54N5058	140	5	H	623.25	0	629.25	-10	629.8	-20.0	RTÉ One	0	N	
CLOGHAN (Donegal)	43	7W5643	54N5058	140	5	H	647.25	0	653.25	-10	653.8	-20.0	RTÉ Two	0	N	
CLOGHANE	30	10W1054	52N1432	60	5	H	543.25	0	549.25	-10	549.8	-20.0	RTÉ One	0	N	
CLOGHANE	34	10W1054	52N1432	60	5	H	575.25	0	581.25	-10	581.8	-20.0	RTÉ Two	0	N	
CLONAKILTY	39	8W5552	51N3645	91	30	H	615.25	17	621.25	7	621.8	-3.0	RTÉ One	32	D	
CLONAKILTY	42	8W5552	51N3645	91	30	H	639.25	17	645.25	7	645.8	-3.0	RTÉ Two	-32	D	
CLONMANY	39	7W2521	55N1537	25	12	V	615.25	13	621.25	3	621.8	-7.0	RTÉ One	32	D	
CLONMANY	42	7W2521	55N1537	25	12	V	639.25	13	645.25	3	645.8	-7.0	RTÉ Two	-32	D	
CLONMEL	40	7W4135	52N2025	215	30	H	615.25	30	621.25	20	621.8	10.0	RTÉ One	-32	D	
CLONMEL	43	7W4135	52N2025	215	30	H	639.25	30	645.25	20	645.8	10.0	RTÉ Two	32	D	
CNOC FOLA/KNOCKFOLA	30	8W1625	55N0842	70	5	H	543.25	7	549.25	-3	549.8	-13.0	RTÉ One	0	D	
CNOC FOLA/KNOCKFOLA	34	8W1625	55N0842	70	5	H	575.25	7	581.25	-3	581.8	-13.0	RTÉ Two	0	D	
COLLINS BARRACKS	39	8W2759	51N5508	67	37	V	615.25	22	621.25	12	621.8	2.0	RTÉ One	32	D	
COLLINS BARRACKS	49	8W2759	51N5508	67	37	V	695.25	22	701.25	12	701.8	2.0	RTÉ Two	0	D	
CORNAMONA	21	9W264	53N3115	100	25	V	471.25	10	477.25	0	477.8	-10.0	RTÉ One	32	D	
CORNAMONA	24	9W264	53N3115	100	25	V	495.25	10	501.25	0	501.8	-10.0	RTÉ Two	32	D	
CRAFFIELD	30	6W221	52N5133	213	10	H	543.25	10	549.25	0	549.8	-10.0	RTÉ One	0	D	
CRAFFIELD	34	6W221	52N5133	213	10	H	575.25	10	581.25	0	581.8	-10.0	RTÉ Two	0	D	
CRIMLIN EAST	41	9W2949	53N3106	55	6	V	631.25	10	637.25	0	637.8	-10.0	RTÉ One	0	D	
CRIMLIN EAST	44	9W2949	53N3106	55	6	V	655.25	10	661.25	0	661.8	-10.0	RTÉ Two	0	D	
CROSS	46	7W143	55N0830	194	18	H	671.25	10	677.25	0	677.8	-10.0	RTÉ One	0	D	
CROSS	52	7W143	55N0830	194	18	H	719.25	10	725.25	0	725.8	-10.0	RTÉ Two	0	D	
CROSSBARRY	54	8W3759	51N4657	72	15	V	735.25	20	741.25	10	741.8	0.0	RTÉ One	-32	D	
CROSSBARRY	58	8W3759	51N4657	72	15	V	767.25	20	773.25	10	773.8	0.0	RTÉ Two	32	D	
CROSSHAVEN	55	8W1739	51N4728	91	45	V	743.25	30	749.25	20	749.8	10.0	RTÉ One	32	D	
CROSSHAVEN	59	8W1739	51N4728	91	45	V	775.25	30	781.25	20	781.8	10.0	RTÉ Two	0	D	
CURRANS PORT	51	8W1328	55N0857	10	10	H	711.25	10	717.25	0	717.8	-10.0	RTÉ One	0	D	
CURRANS PORT	44	8W1328	55N0857	10	10	H	655.25	10	661.25	0	661.8	-10.0	RTÉ Two	0	D	
CURRAUN	30	6W5337	52N2708	116	5	V	543.25	0	549.25	-10	549.8	-20.0	RTÉ One	0	N	
CURRAUN	34	6W5337	52N2708	116	5	V	575.25	0	581.25	-10	581.8	-20.0	RTÉ Two	0	N	
DINGLE	23	10W1836	52N0719	61	34	V	487.25	27	493.25	17	493.8	7.0	RTÉ One	-32	D	
DINGLE	26	10W1836	52N0719	61	34	V	511.25	27	517.25	17	517.8	7.0	RTÉ Two	0	D	
DONARD	39	6W3716	53N0129	198	7	V	615.25	0	621.25	-10	621.8	-20.0	RTÉ One	0	N	
DONARD	42	6W3716	53N0129	198	7	V	639.25	0	645.25	-10	645.8	-20.0	RTÉ Two	0	N	
DOONCARTON (IORRAS)	21	9W4931	54N1623	260	10	V	471.25	30	477.25	20	477.8	10.0	RTÉ One	32	D	
DOONCARTON (IORRAS)	21	9W4931	54N1623	260	10	H	471.25	30	477.25	20	477.8	10.0	RTÉ One	32	N	
DOONCARTON (IORRAS)	24	9W4931	54N1623	260	10	V	495.25	30	501.25	20	501.8	10.0	RTÉ Two	32	D	
DOONCARTON (IORRAS)	24	9W4931	54N1623	260	10	H	495.25	30	501.25	20	501.8	10.0	RTÉ Two	32	N	
DRIMOLEAGUE	39	9W1534	51N3755	120	40	V	615.25	27	621.25	17	621.8	7.0	RTÉ One	-32	D	
DRIMOLEAGUE	42	9W1534	51N3755	120	40	V	639.25	27	645.25	17	645.8	7.0	RTÉ Two	0	D	
DROMANASSIG	54	9W3152	51N5049	107	10	H	735.25	10	741.25	0	741.8	-10.0	RTÉ One	0	N	

Station Name	Ch	Longitude	Latitude	Site Ht (m)	Ant Ht (m)	Pol	Vision Carrier Freq (MHz)	Vision ERP (dBW)	Primary Sound Freq (MHz)	Primary Sound ERP (dBW)	Secondary Sound Carrier Freq (MHz)	Nicam Sound ERP (dBW)	Service Name	Ch	Pol
DROMANASSIG	58	9W3152	51N5049	107	10	H	767.25	10	773.25	0	773.8	-10.0	RTÉ Two	0	N
DROMORE	54	7W4122	54N572	20	5	H	735.25	10	741.25	0	741.8	-10.0	RTÉ One	0	D
DROMORE	58	7W4122	54N572	20	5	H	767.25	10	773.25	0	773.8	-10.0	RTÉ Two	0	D
DROMORE CORK	41	9W2155	51N3858	90	5	H	631.25	0	637.25	-10	637.8	-20.0	RTÉ One	32	N
DROMORE CORK	44	9W2155	51N3858	90	5	H	655.25	0	661.25	-10	661.8	-20.0	RTÉ Two	-32	N
DROUMGARRIF	22	9W3207	51N4535	122	10	H	479.25	0	485.25	-10	485.8	-20.0	RTÉ One	0	N
DROUMGARRIF	25	9W3207	51N4535	122	10	H	503.25	0	509.25	-10	509.8	-20.0	RTÉ Two	0	N
DRUMMIN	53	9W3721	53N4055	300	10	H	727.25	0	733.25	-10	733.8	-20.0	RTÉ One	0	N
DRUMMIN	57	9W3721	53N4055	300	10	H	759.25	0	765.25	-10	765.8	-20.0	RTÉ Two	0	N
DUNGARVAN	53	7W4404	52N0414	255	50	H	727.25	40	733.25	30	733.8	20.0	RTÉ One	32	D
DUNGARVAN	57	7W4404	52N0414	255	50	H	759.25	40	765.25	30	765.8	20.0	RTÉ Two	32	D
DUNLEWY	39	8W0707	55N0043	152	5	H	615.25	0	621.25	-10	621.8	-20.0	RTÉ One	0	N
DUNLEWY	42	8W0707	55N0043	152	5	H	639.25	0	645.25	-10	645.8	-20.0	RTÉ Two	0	N
DUNMANWAY	41	9W0414	51N4249	110	15	V	631.25	20	637.25	10	637.8	0.0	RTÉ One	0	N
DUNMANWAY	44	9W0414	51N4249	110	15	V	655.25	20	661.25	10	661.8	0.0	RTÉ Two	0	N
DUNQUIN	30	10W2756	52N0809	65	9	H	543.25	13	549.25	3	549.8	-7.0	RTÉ One	0	N
DUNQUIN	34	10W2756	52N0809	65	9	H	575.25	13	581.25	3	581.8	-7.0	RTÉ Two	32	N
ENNISTYMON	54	9W1800	52N5808	45	25	H	735.25	13	741.25	3	741.8	-7.0	RTÉ One	32	D
ENNISTYMON	58	9W1800	52N5808	45	25	H	767.25	13	773.25	3	773.8	-7.0	RTÉ Two	-32	D
FAILMORE	54	9W3341	53N3015	20	15	V	735.25	10	741.25	0	741.8	-10.0	RTÉ One	0	N
FAILMORE	58	9W3341	53N3015	20	15	V	767.25	10	773.25	0	773.8	-10.0	RTÉ Two	0	N
FALCARRAGH	21	8W1032	55N0816	98	40	V	471.25	23	477.25	13	477.8	3.0	RTÉ One	32	D
FALCARRAGH	24	8W1032	55N0816	98	40	V	495.25	23	501.25	13	501.8	3.0	RTÉ Two	32	D
FALLMORE	22	10W0605	54N1610	90	16	H	479.25	10	485.25	0	485.8	-10.0	RTÉ One	0	D
FALLMORE	25	10W0605	54N1610	90	16	H	503.25	10	509.25	0	509.8	-10.0	RTÉ Two	0	D
FANAD	61	7W3949	55N1338	220	30	V	791.25	37	797.25	27	797.8	17.0	RTÉ One	-32	D
FANAD	58	7W3949	55N1338	220	30	V	767.25	37	773.25	27	773.8	17.0	RTÉ Two	32	D
FANORE	30	9W1931	53N0458	45	5	H	543.25	0	549.25	-10	549.8	-20.0	RTÉ One	0	N
FANORE	34	9W1931	53N0458	45	5	H	575.25	0	581.25	-10	581.8	-20.0	RTÉ Two	0	N
FEOHANAGH SH	21	10W214	52N1318	45	10	V	471.25	10	477.25	0	477.8	-10.0	RTÉ One	0	D
FEOHANAGH SH	24	10W214	52N1318	45	10	V	495.25	10	501.25	0	501.8	-10.0	RTÉ Two	0	D
FERMOY	39	8W1649	52N0836	50	30	V	615.25	20	621.25	10	621.8	0.0	RTÉ One	32	D
FERMOY	42	8W1649	52N0836	50	30	V	639.25	20	645.25	10	645.8	0.0	RTÉ Two	-32	D
FERMOYLE	29	8W5205	52N0525	200	8	H	535.25	10	541.25	0	541.8	-10.0	RTÉ One	0	D
FERMOYLE	33	8W5205	52N0525	200	8	H	567.25	10	573.25	0	573.8	-10.0	RTÉ Two	0	D
FERRYPOINT	41	7W4936	51N5708	61	9	V	631.25	17	637.25	7	637.8	-3.0	RTÉ One	32	D
FERRYPOINT	44	7W4936	51N5708	61	9	V	655.25	17	661.25	7	661.8	-3.0	RTÉ Two	-32	D
FINVARRA	21	9W0611	53N0859	25	20	V	471.25	17	477.25	7	477.8	-3.0	RTÉ One	0	D
FINVARRA	24	9W0611	53N0859	25	20	V	495.25	17	501.25	7	501.8	-3.0	RTÉ Two	0	D
FOUNTAINSTOWN	30	8W1846	51N4600	30	15	V	543.25	0	549.25	-10	549.8	-20.0	RTÉ One	0	N
FOUNTAINSTOWN	34	8W1846	51N4600	30	15	V	575.25	0	581.25	-10	581.8	-20.0	RTÉ Two	0	N
GLANDORE	52	9W0530	51N3330	120	18	V	719.25	17	725.25	7	725.8	-3.0	RTÉ One	32	D
GLANDORE	56	9W0530	51N3330	120	18	V	751.25	17	757.25	7	757.8	-3.0	RTÉ Two	32	D
GLANLEA	29	8W2822	51N4527	220	5	H	535.25	10	541.25	0	541.8	-10.0	RTÉ One	0	D
GLANLEA	33	8W2822	51N4527	220	5	H	567.25	10	573.25	0	573.8	-10.0	RTÉ Two	0	D
GLANMIRE	41	8W2311	51N5447	35	30	H	631.25	23	637.25	13	637.8	3.0	RTÉ One	-32	D
GLANMIRE	44	8W2311	51N5447	35	30	H	655.25	23	661.25	13	661.8	3.0	RTÉ Two	32	D
GLEANN NA NGEALT	30	9W5619	52N1251	150	12	H	543.25	13	549.25	3	549.8	-7.0	RTÉ One	0	N
GLEANN NA NGEALT	34	9W5619	52N1251	150	12	H	575.25	13	581.25	3	581.8	-7.0	RTÉ Two	0	N
GLENACARNEY	40	9W0932	52N1707	275	6	H	623.25	10	629.25	0	629.8	-10.0	RTÉ One	0	D
GLENACARNEY	43	9W0932	52N1707	275	6	H	647.25	10	653.25	0	653.8	-10.0	RTÉ Two	0	D
GLENBEIGH	39	9W5623	52N0410	15	15	H	615.25	15	621.25	5	621.8	-5.2	RTÉ One	-32	N
GLENBEIGH	42	9W5623	52N0410	15	15	H	639.25	15	645.25	5	645.8	-5.2	RTÉ Two	0	N
GLENCAR Co KERRY	22	9W5430	52N0114	100	15	V	479.25	10	485.25	0	485.8	-10.0	RTÉ One	0	N
GLENCAR Co KERRY	25	9W5430	52N0114	100	15	V	503.25	10	509.25	0	509.8	-10.0	RTÉ Two	0	N
GLENCAR Co LEITRIM	39	8W2320	54N1956	152	10	V	615.25	10	621.25	0	621.8	-10.0	RTÉ One	0	N
GLENCAR Co LEITRIM	42	8W2320	54N1956	152	10	V	639.25	10	645.25	0	645.8	-10.0	RTÉ Two	0	N
GLENCOLUMBCILLE	39	8W4245	54N4337	270	55	H	615.25	23	621.25	13	621.8	3.0	RTÉ One	-32	N
GLENCOLUMBCILLE	42	8W4245	54N4337	270	55	H	639.25	23	645.25	13	645.8	3.0	RTÉ Two	0	N
GLENCULLEN	54	6W1224	53N1209	259	5	H	735.25	0	741.25	-10	741.8	-20.0	RTÉ One	0	N
GLENCULLEN	58	6W1224	53N1209	259	5	H	767.25	0	773.25	-10	773.8	-20.0	RTÉ Two	0	N
GLENGAD	53	7W1030	55N1915	60	6	V	727.25	10	733.25	0	733.8	-10.0	RTÉ One	-32	N
GLENGAD	57	7W1030	55N1915	60	6	V	759.25	10	765.25	0	765.8	-10.0	RTÉ Two	-32	N
GLENISLAND SH	30	9W2409	53N5352	55	10	H	543.25	0	549.25	-10	549.8	-20.0	RTÉ One	0	N
GLENISLAND SH	34	9W2409	53N5352	55	10	H	575.25	0	581.25	-10	581.8	-20.0	RTÉ Two	0	N
GLENMALURE	30	6W1910	52N5617	236	10	H	543.25	10	549.25	0	549.8	-10.0	RTÉ One	0	D

Station Name	Ch	Longitude	Latitude	Site Hgt (m)	Ant Hgt (m)	Pol	Vision Carrier Freq. (MHz)	Vision ERP (dBW)	Primary Sound Freq. (MHz)	Primary Sound ERP (dBW)	Secondary Sound Carrier Freq. (MHz)	Nickn. Sound ERP (dBW)	Service Name	Use of S.O.	Ch
GLENMALURE	34	6W1910	52N5617	236	10	H	575.25	10	581.25	0	581.8	-10.0	RTÉ Two	0	D
GLENNAGEVLAGH	39	9W4010	53N3610	50	10	V	615.25	10	621.25	0	621.8	-10.0	RTÉ One	0	D
GLENNAGEVLAGH	42	9W4010	53N3610	50	10	V	639.25	10	645.25	0	645.8	-10.0	RTÉ Two	0	D
GLENTIES	40	8W1902	54N4853	175	25	H	623.25	20	629.25	10	629.8	0.0	RTÉ One	-32	D
GLENTIES	43	8W1902	54N4853	175	25	H	647.25	20	653.25	10	653.8	0.0	RTÉ Two	-32	D
GOREY	54	6W1648	52N4040	58	12	H	735.25	10	741.25	0	741.8	-10.0	RTÉ One	32	N
GOREY	58	6W1648	52N4040	58	12	H	767.25	10	773.25	0	773.8	-10.0	RTÉ Two	-32	N
HEADFORT	39	9W2343	52N0041	150	18	H	615.25	14	621.25	4	621.8	-6.0	RTÉ One	0	D
HEADFORT	42	9W2343	52N0041	150	18	H	639.25	14	645.25	4	645.8	-6.0	RTÉ Two	0	D
HOLLYFORD	30	8W0638	52N3744	198	5	H	543.25	0	549.25	-10	549.8	-20.0	RTÉ One	0	N
HOLLYFORD	34	8W0638	52N3744	198	5	H	575.25	0	581.25	-10	581.8	-20.0	RTÉ Two	0	N
HOLYWELL HILL	23	7W2405	54N5956	260	45	H	487.25	46	493.25	36	493.8	26.0	RTÉ One	0	D
HOLYWELL HILL	26	7W2405	54N5956	260	45	H	511.25	46	517.25	36	517.8	26.0	RTÉ Two	-32	D
INCHIGEELAGH	40	9W0733	51N4958	110	24	V	623.25	10	629.25	0	629.8	-10.0	RTÉ One	32	D
INCHIGEELAGH	43	9W0733	51N4958	110	24	V	647.25	10	653.25	0	653.8	-10.0	RTÉ Two	0	D
INISCLUIRE	54	9W3036	51N2555	50	13	V	735.25	20	741.25	10	741.8	0.0	RTÉ One	0	D
INISCLUIRE	58	9W3036	51N2555	50	13	V	767.25	20	773.25	10	773.8	0.0	RTÉ Two	0	D
INISTIOGE	53	7W0416	52N2847	122	30	H	727.25	13	733.25	3	733.8	-7.0	RTÉ One	-32	N
INISTIOGE	57	7W0416	52N2847	122	30	H	759.25	13	765.25	3	765.8	-7.0	RTÉ Two	0	N
KEIMINEIGH	30	9W1635	51N4939	213	8	H	543.25	0	549.25	-10	549.8	-20.0	RTÉ One	0	N
KEIMINEIGH	34	9W1635	51N4939	213	8	H	575.25	0	581.25	-10	581.8	-20.0	RTÉ Two	0	N
KELLS Co KERRY	22	10W0629	52N0121	61	12	H	479.25	14	485.25	4	485.8	-6.0	RTÉ One	-32	N
KELLS Co KERRY	25	10W0629	52N0121	61	12	H	503.25	14	509.25	4	509.8	-6.0	RTÉ Two	-32	N
KILBANE	30	8W3308	52N4817	150	6	V	543.25	10	549.25	0	549.8	-10.0	RTÉ One	0	D
KILBANE	34	8W3308	52N4817	150	6	V	575.25	10	581.25	0	581.8	-10.0	RTÉ Two	0	D
KILCAR	40	8W3615	54N3745	100	6	H	623.25	10	629.25	0	629.8	-10.0	RTÉ One	0	D
KILCAR	43	8W3615	54N3745	100	6	H	647.25	10	653.25	0	653.8	-10.0	RTÉ Two	0	D
KILCAR GLEN	41	8W3547	54N3830	80	6	H	631.25	10	637.25	0	637.8	-10.0	RTÉ One	0	N
KILCAR GLEN	44	8W3547	54N3830	80	6	H	655.25	10	661.25	0	661.8	-10.0	RTÉ Two	0	N
KILGARVAN	39	9W2641	51N5217	170	24	H	615.25	14	621.25	4	621.8	-6.0	RTÉ One	-32	D
KILGARVAN	42	9W2641	51N5217	170	24	H	639.25	14	645.25	4	645.8	-6.0	RTÉ Two	32	D
KILKEEVERAGH	39	10W2000	51N5202	360	60	V	615.25	42	621.25	32	621.8	22.0	RTÉ One	32	D
KILKEEVERAGH	42	10W2000	51N5202	360	60	V	639.25	42	645.25	32	645.8	22.0	RTÉ Two	-32	D
KILKEE	54	9W3957	52N3944	61	12	H	735.25	13	741.25	3	741.8	-7.0	RTÉ One	0	N
KILKEE	58	9W3957	52N3944	61	12	H	767.25	13	773.25	3	773.8	-7.0	RTÉ Two	0	N
KILLALOE	54	8W2511	52N4940	183	18	V	735.25	20	741.25	10	741.8	0.0	RTÉ One	-32	N
KILLALOE	58	8W2511	52N4940	183	18	V	767.25	20	773.25	10	773.8	0.0	RTÉ Two	32	N
KILLEAGH	54	7W5939	51N5620	30	24	H	735.25	20	741.25	10	741.8	0.0	RTÉ One	0	D
KILLEAGH	58	7W5939	51N5620	30	24	H	767.25	20	773.25	10	773.8	0.0	RTÉ Two	0	D
KILMACOMMA	22	7W4315	52N2120	45	10	H	479.25	13	485.25	3	485.8	-7.0	RTÉ One	0	N
KILMACOMMA	25	7W4315	52N2120	45	10	H	503.25	13	509.25	3	509.8	-7.0	RTÉ Two	0	N
KILMACTHOMAS	54	7W2520	52N1156	65	40	V	735.25	13	741.25	3	741.8	-7.0	RTÉ One	0	D
KILMACTHOMAS	58	7W2520	52N1156	65	40	V	767.25	13	773.25	3	773.8	-7.0	RTÉ Two	0	D
KILPEDDER	30	6W0601	53N0626	91	5	H	543.25	0	549.25	-10	549.8	-20.0	RTÉ One	0	N
KILPEDDER	34	6W0601	53N0626	91	5	H	575.25	0	581.25	-10	581.8	-20.0	RTÉ Two	0	N
KINSALE	29	8W2951	51N4152	33	8	V	535.25	7	541.25	-3	541.8	-13.0	RTÉ One	0	D
KINSALE	33	8W2951	51N4152	33	8	V	567.25	7	573.25	-3	573.8	-13.0	RTÉ Two	0	D
KIPPURE		6W1955	53N1038	750	90	H	183.25	52	189.25	42	189.8	32.0	RTÉ One	-32	D
KIPPURE		6W1955	53N1038	750	90	H	207.25	52	213.25	42	213.8	32.0	RTÉ Two	32	D
KNOCKALAFALLA	55	7W3226	52N2026	165	10	V	743.25	0	749.25	-10	749.8	-20.0	RTÉ One	0	N
KNOCKALAFALLA	65	7W3226	52N2026	165	10	V	823.25	0	829.25	-10	829.8	-20.0	RTÉ Two	0	N
KNOCKANEDIN	29	10W0519	51N5657	180	7	H	535.25	10	541.25	0	541.8	-10.0	RTÉ One	0	D
KNOCKANEDIN	35	10W0519	51N5657	180	7	H	583.25	10	589.25	0	589.8	-10.0	RTÉ Two	0	D
KNOCKANORE	39	9W3626	52N3131	268	20	V	615.25	32	621.25	22	621.8	11.8	RTÉ One	-32	D
KNOCKANORE	42	9W3626	52N3131	268	20	V	639.25	32	645.25	22	645.8	11.8	RTÉ Two	32	D
KNOCKGRAFFON	21	7W5628	52N2400	80	7	V	471.25	0	477.25	-10	477.8	-20.0	RTÉ One	32	N
KNOCKGRAFFON	24	7W5628	52N2400	80	7	V	495.25	0	501.25	-10	501.8	-20.0	RTÉ Two	32	N
KNOCKMOYLE	53	9W4242	52N1238	375	55	V	727.25	33	733.25	23	733.8	13.0	RTÉ One	32	N
KNOCKMOYLE	57	9W4242	52N1238	375	55	V	759.25	33	765.25	23	765.8	13.0	RTÉ Two	32	N
LARAGH	41	6W1557	53N0010	270	30	H	631.25	20	637.25	10	637.8	0.0	RTÉ One	32	N
LARAGH	44	6W1557	53N0010	270	30	H	655.25	20	661.25	10	661.8	0.0	RTÉ Two	-32	N
LAURAGH	55	9W4718	51N4453	30	12	H	743.25	14	749.25	4	749.8	-6.0	RTÉ One	-32	D
LAURAGH	59	9W4718	51N4453	30	12	H	775.25	14	781.25	4	781.8	-6.0	RTÉ Two	-32	D
LEAP	41	9W0924	51N3425	76	12	H	631.25	13	637.25	3	637.8	-7.0	RTÉ One	32	D
LEAP	44	9W0924	51N3425	76	12	H	655.25	13	661.25	3	661.8	-7.0	RTÉ Two	32	D
LEENAUN	21	9W4141	53N3535	46	18	V	471.25	13	477.25	3	477.8	-7.0	RTÉ One	0	D

Station Name	Ch	Longitude	Latitude	Site Ht (m)	Ant. Ht (m)	Pol	Vision Carrier Freq. (MHz)	Vision ERP (dBW)	Primary Sound Freq. (MHz)	Primary Sound ERP (dBW)	Secondary Sound Carrier Freq. (MHz)	Nican Sound ERP (dBW)	Service Name	Off Air	On Air
LEENAUN	24	9W4141	53N3535	46	18	V	495.25	13	501.25	3	501.8	-7.0	RTÉ Two	0	D
LEHINCH	40	9W2223	52N5932	207	40	V	623.25	20	629.25	10	629.8	0.0	RTÉ One	-32	D
LEHINCH	43	9W2223	52N5932	207	40	V	647.25	20	653.25	10	653.8	0.0	RTÉ Two	-32	D
LETTERKENNY	52	7W3739	54N5321	230	80	V	719.25	37	725.25	27	725.8	17.0	RTÉ One	-32	N
LETTERKENNY	56	7W3739	54N5321	230	80	V	751.25	37	757.25	27	757.8	17.0	RTÉ Two	-32	N
LISSCARRIGANE	40	9W0440	51N5805	250	10	H	623.25	10	629.25	0	629.8	-10.0	RTÉ One	0	D
LISSCARRIGANE	43	9W0440	51N5805	250	10	H	647.25	10	653.25	0	653.8	-10.0	RTÉ Two	0	D
LISSYCLEARIG	29	9W3908	51N5433	165	8	V	535.25	3	541.25	-7	541.8	-17.0	RTÉ One	0	D
LISSYCLEARIG	33	9W3908	51N5433	165	8	V	567.25	3	573.25	-7	573.8	-17.0	RTÉ Two	0	D
LISTOWEL	53	9W2750	52N2736	90	35	H	727.25	20	733.25	10	733.8	0.0	RTÉ One	32	N
LISTOWEL	57	9W2750	52N2736	90	35	H	759.25	20	765.25	10	765.8	0.0	RTÉ Two	32	N
LOMANAUGH	29	9W2615	51N5237	91	5	H	535.25	0	541.25	-10	541.8	-20.0	RTÉ One	0	D
LOMANAUGH	33	9W2615	51N5237	91	5	H	567.25	0	573.25	-10	573.8	-20.0	RTÉ Two	0	D
LOUGHTALT SH	63	8W5719	54N0553	175	10	V	807.25	0	813.25	-10	813.8	-20.0	RTÉ One	0	N
LOUGHTALT SH	67	8W5719	54N0553	175	10	V	839.25	0	845.25	-10	845.8	-20.0	RTÉ Two	0	N
MAAM	21	9W3400	53N3113	35	15	H	471.25	13	477.25	3	477.8	-7.0	RTÉ One	0	N
MAAM	24	9W3400	53N3113	35	15	H	495.25	13	501.25	3	501.8	-7.0	RTÉ Two	-32	N
MAAMCLASSACH	40	10W2535	52N0832	200	25	V	623.25	23	629.25	13	629.8	3.0	RTÉ One	0	N
MAAMCLASSACH	43	10W2535	52N0832	200	25	V	647.25	23	653.25	13	653.8	3.0	RTÉ Two	32	N
MACROOM	62	8W5742	51N5353	152	20	H	799.25	17	805.25	7	805.8	-3.0	RTÉ One	0	D
MACROOM	65	8W5742	51N5353	152	20	H	823.25	17	829.25	7	829.8	-3.0	RTÉ Two	0	D
MAGHERA		8W4308	52N5803	400	60	V	183.25	53	189.25	43	189.8	33.0	RTÉ One	0	D
MAGHERA		8W4308	52N5803	400	60	V	207.25	53	213.25	43	213.8	33.0	RTÉ Two	-32	D
MALIN	22	7W1733	55N1931	183	35	H	479.25	33	485.25	23	485.8	13.0	RTÉ One	32	D
MALIN	25	7W1733	55N1931	183	35	H	503.25	33	509.25	23	509.8	13.0	RTÉ Two	32	D
MARINO POINT	29	8W1854	51N5232	60	25	V	535.25	21	541.25	11	541.8	1.0	RTÉ One	0	D
MARINO POINT	33	8W1854	51N5232	60	25	V	567.25	21	573.25	11	573.8	1.0	RTÉ Two	-32	D
MEENACREEVA	30	8W0815	55N0210	145	5	H	543.25	0	549.25	-10	549.8	-20.0	RTÉ One	0	N
MEENACREEVA	34	8W0815	55N0210	145	5	H	575.25	0	581.25	-10	581.8	-20.0	RTÉ Two	0	N
MEENACUING	30	8W0854	55N0154	107	5	H	543.25	0	549.25	-10	549.8	-20.0	RTÉ One	0	N
MEENACUING	34	8W0854	55N0154	107	5	H	575.25	0	581.25	-10	581.8	-20.0	RTÉ Two	0	N
MITCHELSTOWN	41	8W1823	52N1842	330	40	V	631.25	30	637.25	20	637.8	10.0	RTÉ One	32	D
MITCHELSTOWN	44	8W1823	52N1842	330	40	V	655.25	30	661.25	20	661.8	10.0	RTÉ Two	-32	D
MONAGHAN / LUGAD		7W0143	54N1106	214	30	H	175.25	32	181.25	22	181.8	12.0	RTÉ One	38	N
MONAGHAN / LUGAD		7W0143	54N1106	214	30	H	191.25	32	197.25	22	197.8	12.0	RTÉ Two	-20	N
MONASOOTAGH	54	6W2757	52N3909	130	15	H	735.25	14	741.25	4	741.8	-6.0	RTÉ One	-32	D
MONASOOTAGH	58	6W2757	52N3909	130	15	H	767.25	14	773.25	4	773.8	-6.0	RTÉ Two	32	D
MORLEY'S BRIDGE	29	9W2255	51N5423	180	5	H	535.25	0	541.25	-10	541.8	-20.0	RTÉ One	0	N
MORLEY'S BRIDGE	33	9W2255	51N5423	180	5	H	567.25	0	573.25	-10	573.8	-20.0	RTÉ Two	0	N
MOSSY GLEN	53	7W0107	55N1502	165	12	V	727.25	7	733.25	-3	733.8	-13.0	RTÉ One	32	N
MOSSY GLEN	57	7W0107	55N1502	165	12	V	759.25	7	765.25	-3	765.8	-13.0	RTÉ Two	32	N
MOUNT GABRIEL	33	9W3229	51N3320	418	10	H	567.25	33	573.25	23	573.8	13.0	RTÉ Two	0	D
MOUNT GABRIEL	33	9W3229	51N3320	418	10	V	567.25	33	573.25	23	573.8	13.0	RTÉ Two	0	D
MOUNT GABRIEL HP	29	9W3229	51N3320	418	10	H	535.25	33	541.25	23	541.8	13.0	RTÉ One	-32	D
MOUNT GABRIEL VP	29	9W3229	51N3320	418	10	V	535.25	33	541.25	23	541.8	13.0	RTÉ One	-32	D
MOUNT LEINSTER		6W4643	52N3706	796	107	V	191.25	54	197.25	44	197.8	33.6	RTÉ One	32	D
MOUNT LEINSTER		6W4643	52N3706	796	107	V	215.25	54	221.25	44	221.8	33.6	RTÉ Two	32	D
MOUNT LEINSTER LP	29	6W4643	52N3706	796	64	H	535.25	20	541.25	10	541.8	0.0	RTÉ One	0	D
MOUNT LEINSTER LP	33	6W4643	52N3706	796	64	H	567.25	20	573.25	10	573.8	0.0	RTÉ Two	0	D
MOUNTAINSTAGE	22	9W5723	52N0101	200	15	H	479.25	10	485.25	0	485.8	-10.0	RTÉ One	0	N
MOUNTAINSTAGE	25	9W5723	52N0101	200	15	H	503.25	10	509.25	0	509.8	-10.0	RTÉ Two	0	N
MOVILLE	40	7W0104	55N1315	320	35	H	623.25	33	629.25	23	629.8	13.0	RTÉ One	0	D
MOVILLE	43	7W0104	55N1315	320	35	H	647.25	33	653.25	23	653.8	13.0	RTÉ Two	32	D
MULLAGHANISH		9W0844	51N5854	650	140	V	175.25	54	181.25	44	181.8	33.6	RTÉ One	-32	D
MULLAGHANISH		9W0844	51N5854	650	140	V	199.25	54	205.25	44	205.8	33.6	RTÉ Two	32	D
MULRANY	55	9W4844	53N5427	152	15	H	743.25	13	749.25	3	749.8	-7.0	RTÉ One	32	N
MULRANY	59	9W4844	53N5427	152	15	H	775.25	13	781.25	3	781.8	-7.0	RTÉ Two	0	N
NEUBAUN	55	6W4700	52N2049	80	15	H	743.25	0	749.25	-10	749.8	-20.0	RTÉ One	0	D
NEUBAUN	65	6W4700	52N2049	80	15	H	823.25	0	829.25	-10	829.8	-20.0	RTÉ Two	0	D
NIRE VALLEY	21	7W3816	52N1703	230	18	H	471.25	14	477.25	4	477.8	-6.0	RTÉ One	32	D
NIRE VALLEY	24	7W3816	52N1703	230	18	H	495.25	14	501.25	4	501.8	-6.0	RTÉ Two	32	D
RECESS	54	9W4353	53N2737	70	7	H	735.25	0	741.25	-10	741.8	-20.0	RTÉ One	-32	N
RECESS	58	9W4353	53N2737	70	7	H	767.25	0	773.25	-10	773.8	-20.0	RTÉ Two	32	N
RINVYLE	53	10W0145	53N3624	10	15	V	727.25	0	733.25	-10	733.8	-20.0	RTÉ One	0	D
RINVYLE	57	10W0145	53N3624	10	15	V	759.25	0	765.25	-10	765.8	-20.0	RTÉ Two	0	D
ROSSCARBERY	53	9W0152	51N3406	52	30	H	727.25	17	733.25	7	733.8	-3.0	RTÉ One	0	D

Station Name	Ch	Longitude	Latitude	Site Ht. (m)	Ant. Ht. (m)	Pol.	Vision Carrier Freq. (MHz)	Vision ERP (dBW)	Primary Sound Freq. (MHz)	Primary Sound ERP (dBW)	Secondary Sound Carrier Freq. (MHz)	N/Cam Sound ERP (dBW)	Service Name	Psyc	Co
ROSSCARBERY	57	9W0152	51N3406	52	30	H	759.25	17	765.25	7	765.8	-3.0	RTÉ Two	-32	D
SHANAFARAGHAUN	39	9W3011	53N3434	60	6	V	615.25	10	621.25	0	621.8	-10.0	RTÉ One	0	N
SHANAFARAGHAUN	42	9W3011	53N3434	60	6	V	639.25	10	645.25	0	645.8	-10.0	RTÉ Two	0	N
SLIGO TOWN	41	8W2709	54N1507	125	30	V	631.25	23	637.25	13	637.8	3.0	RTÉ One	-32	D
SLIGO TOWN	44	8W2709	54N1507	125	30	V	655.25	23	661.25	13	661.8	3.0	RTÉ Two	32	D
SPUR HILL	53	8W3100	51N5121	137	30	H	727.25	40	733.25	30	733.8	20.0	RTÉ One	0	D
SPUR HILL	57	8W3100	51N5121	137	30	H	759.25	40	765.25	30	765.8	20.0	RTÉ Two	-32	D
SRAHMORE	30	9W3545	53N5606	90	5	H	543.25	0	549.25	-10	549.8	-20.0	RTÉ One	0	N
SRAHMORE	34	9W3545	53N5606	90	5	H	575.25	0	581.25	-10	581.8	-20.0	RTÉ Two	0	N
SUIR VALLEY	53	7W1546	52N2224	280	45	V	727.25	36	733.25	26	733.8	16.0	RTÉ One	0	D
SUIR VALLEY	57	7W1546	52N2224	280	45	V	759.25	36	765.25	26	765.8	16.0	RTÉ Two	-32	D
TERMON	54	7W5116	55N0305	120	15	H	735.25	13	741.25	3	741.8	-7.0	RTÉ One	32	N
TERMON	58	7W5116	55N0305	120	15	H	767.25	13	773.25	3	773.8	-7.0	RTÉ Two	-32	N
THE GLEN	29	8W1309	54N4753	150	5	V	535.25	0	541.25	-10	541.8	-20.0	RTÉ One	0	N
THE GLEN	33	8W1309	54N4753	150	5	V	567.25	0	573.25	-10	573.8	-20.0	RTÉ Two	0	N
THREE ROCK	29	6W1411	53N1449	448	60	H	535.25	44	541.25	34	541.8	24.0	RTÉ One	-32	D
THREE ROCK	33	6W1411	53N1449	448	60	H	567.25	44	573.25	34	573.8	24.0	RTÉ Two	0	D
TIMOLEAGUE	29	8W4505	51N3719	89	10	V	535.25	10	541.25	0	541.8	-10.0	RTÉ One	0	N
TIMOLEAGUE	33	8W4505	51N3719	89	10	V	567.25	10	573.25	0	573.8	-10.0	RTÉ Two	0	N
TINAHELY	30	6W2810	52N4805	107	12	V	543.25	13	549.25	3	549.8	-7.0	RTÉ One	0	D
TINAHELY	34	6W2810	52N4805	107	12	V	575.25	13	581.25	3	581.8	-7.0	RTÉ Two	0	D
TOMRILAND	21	6W1242	53N0056	200	12	V	471.25	10	477.25	0	477.8	-10.0	RTÉ One	32	D
TOMRILAND	24	6W1242	53N0056	200	12	V	495.25	10	501.25	0	501.8	-10.0	RTÉ Two	32	D
TOOMES BRIDGE	41	9W0509	51N5205	110	5	H	631.25	13	637.25	3	637.8	-7.0	RTÉ One	-7	N
TOOMES BRIDGE	44	9W0509	51N5205	110	5	H	655.25	13	661.25	3	661.8	-7.0	RTÉ Two	-7	N
TRACTON / MINANE	48	8W2251	51N4504	61	5	H	687.25	0	693.25	-10	693.8	-20.0	RTÉ One	0	N
TRACTON / MINANE	52	8W2251	51N4504	61	5	H	719.25	0	725.25	-10	725.8	-20.0	RTÉ Two	0	N
TRUSKMORE		8W2259	54N2225	640	80	H	215.25	54	221.25	44	221.8	34.5	RTÉ One	-32	D
TRUSKMORE		8W2259	54N2225	640	80	H	199.25	54	205.25	44	205.8	34.5	RTÉ Two	-32	D
WEST PORT	54	9W3109	53N4745	60	12	H	735.25	15	741.25	5	741.8	-5.2	RTÉ One	32	N
WEST PORT	58	9W3109	53N4745	60	12	H	767.25	15	773.25	5	773.8	-5.2	RTÉ Two	-32	N
WOODCOCK HILL	39	8W4122	52N4311	244	55	H	615.25	33	621.25	23	621.8	13.0	RTÉ One	32	D
WOODCOCK HILL	42	8W4122	52N4311	244	55	H	639.25	33	645.25	23	645.8	13.0	RTÉ Two	-32	D
WOODENBRIDGE	30	6W1420	52N4940	61	10	V	543.25	10	549.25	0	549.8	-10.0	RTÉ One	0	D
WOODENBRIDGE	34	6W1420	52N4940	61	10	V	575.25	10	581.25	0	581.8	-10.0	RTÉ Two	0	D
YOUGHAL STRAND	29	7W5126	51N5610	15	15	H	535.25	7	541.25	-3	541.8	-13.0	RTÉ One	-32	D
YOUGHAL STRAND	33	7W5126	51N5610	15	15	H	567.25	7	573.25	-3	573.8	-13.0	RTÉ Two	0	D























Station Name	RTÉ One	RTÉ Two	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330									
TERMON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
THE GLEN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
THE GLEN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
THREE ROCK	1	2	3	4	5	7	6	6	8	7	7	8	8	6	5	5	6	8	8	7	8	8	6	6	6	7	5	4	3	3	2	1	0	0			
THREE ROCK	1	2	3	4	5	7	6	6	8	7	7	8	8	6	5	5	6	8	8	7	8	8	6	6	6	7	5	4	3	3	2	1	0	0	0		
TIMOLEAGUE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
TIMOLEAGUE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
TINAHELY	9	12	16	20	24	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	24	20	16	12	9	5	3	3	1	0	1	0	1	3	3	5	
TINAHELY	9	12	16	20	24	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	24	20	16	12	9	5	3	3	1	0	1	0	1	3	3	5	
TOMRILAND	0	0	0	0	0	3	6	6	10	10	10	10	10	10	10	10	6	6	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOMRILAND	0	0	0	0	0	3	6	6	10	10	10	10	10	10	10	6	6	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOOMES BRIDGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOOMES BRIDGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TRACTON / MINANE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TRACTON / MINANE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TRUSKMORE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TRUSKMORE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
WEST PORT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WEST PORT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WOODCOCK HILL	16	16	14	12	10	8	6	3	2	0	0	0	0	0	0	1	3	2	0	0	0	2	4	6	8	11	13	15	16	16	16	16	16	16	16	16	
WOODCOCK HILL	16	16	14	12	10	8	6	3	2	0	0	0	0	0	0	1	3	2	0	0	0	2	4	6	8	11	13	15	16	16	16	16	16	16	16	16	16
WOODENBRIDGE	0	1	2	3	2	2	3	2	1	0	1	2	3	4	5	7	10	16	20	23	25	28	28	28	28	25	23	20	16	10	7	5	3	2	1	1	
WOODENBRIDGE	0	1	2	3	2	2	3	2	1	0	1	2	3	4	5	7	10	16	20	23	25	28	28	28	25	23	20	16	10	7	5	3	2	1	1		
YOUGHAL STRAND	2	1	1	2	2	1	0	0	1	3	5	8	11	21	21	19	21	21	11	8	5	3	1	0	1	2	2	1	1	2	2	1	0	1	2		
YOUGHAL STRAND	2	1	1	2	2	1	0	0	1	3	5	8	11	21	21	19	21	21	11	8	5	3	1	0	1	2	2	1	1	2	2	1	0	1	2		