



Office of the Director of
**Telecommunications
Regulation**

List of Frequency Channels Used by Licensed Television Deflectors

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List of Frequency Channels Used by Licensed Television Deflectors

This document outlines the summary details of frequency assignments for licensed television deflector operators.

The document is divided into two sections:

Section 1 outlines the station details for operators licensed under the Wireless Telegraphy Act, 1926 And the Wireless Telegraphy (UHF Television Programme Retransmission) Regulations, 1999 - S.I. No. 348 of 1999.

Section 2 outlines the station details for Carrigaline Community Television Broadcasting Company Ltd t/a Southcoast Community Television which was licensed under the Wireless Telegraphy Act, 1926 and the Wireless Telegraphy (Carrigaline UHF Television Programme Retransmission) Regulations, 1999 - S.I. No. 347 of 1999.

Each section is further divided into two parts:

Part I outlines the main station details, while **Part II** gives the horizontal radiation pattern (hrp), where available, for each station.

This document is provided for information purposes only in the context of preparing applications for deflector licences. While every effort has been made to ensure that the information contained in this document is correct the Office of the Director of Telecommunications Regulation will not accept responsibility for

any errors or omissions and reserves the right to update the document without notice where necessary.

SECTION 1

Station details for television deflector operators licensed under the Wireless Telegraphy (UHF Television Programme Retransmission) Regulations, 1999 - S.I. No. 348 of 1999

Section 1 - Part I

Details of the UHF Television Plan for Deflectors

Column	Title	Unit	Comment
1	TX NAME		Name of transmitter site.
2	OPERATOR		Name of transmitter operator
3	LATITUDE		Latitude in degrees, minutes seconds.
4	LONGITUDE		Longitude in degrees, minutes seconds.
5	SITE HT	metres	Height of transmitter site above mean sea level.
6	AERIAL HT	metres	Height of aerial above ground level.
7	MAX ERP (dBW)	dBW	Maximum effective radiated power, in dB relative to one watt.
8	POL	H/V	Polarisation of the emitted radio wave, H= horizontal, V= vertical.
9	DIR	D/N	Indicates if Horizontal Radiation Pattern is given, D= directive, N= non-directive.
10	CHANNEL		Channel number
11	OFFSET ¹		Vision carrier offset, given in twelfths of the line frequency (15625 Hz).

To view the details for each transmitter site please refer to the worksheet named 'Sect1P1 - Stations' in the associated Appendix which is to be found immediately below this document on the Documents web page.

¹All offsets for stations with an effective radiated power of 1 watt or less are uncontrolled and do not provide any additional protection for these stations. Offsets of greater than 11/12ths line offset are treated as normalised to under 12/12ths, i.e. 20/12 and 32/12 are treated as 8/12, relative offsets of 40/12, 52/12 and 64/12 are treated as 4/12, Offset of 12/12 is treated as 0/12. NB The same Protection Ratio is used for 8/12ths and 4/12ths offsets.

Section 1 - Part II

Details of the Horizontal Radiation Patterns

The horizontal radiation pattern for each station in Part I is listed in Part II. The pattern is given as a restriction in dBs relative to the maximum effective radiated power and is given in radials every ten degrees east of true north (ETN) starting at zero degrees ETN.

To view the details for each transmitter site please refer to the worksheet named 'Sect1P2 - Radiation' in the associated Appendix which is to be found immediately below this document on the Documents web page.

SECTION 2

Station details for Carrigaline Community Television Broadcasting Company Ltd t/a Southcoast Community Television licensed under the Wireless Telegraphy (Carrigaline UHF Television Programme Retransmission) Regulations, 1999 - S.I. No. 347 of 1999.

Section 2 - Part I

Details of the UHF Television Plan for Carrigaline Community Television Broadcasting Company Ltd t/a Southcoast Community Television

Column	Title	Unit	Comment
1	TX NAME		Name of transmitter site.
2	LATITUDE		Latitude in degrees, minutes seconds.
3	LONGITUDE		Longitude in degrees, minutes seconds.
4	SITE HT	metres	Height of transmitter site above mean sea level.
5	AERIAL HT	metres	Height of aerial above ground level.
6	MAX ERP (dBW)	dBW	Maximum effective radiated power, in dB relative to one watt.
7	POL	H/V	Polarisation of the emitted radio wave, H= horizontal, V= vertical.
8	DIR	D/N	Indicates if Horizontal Radiation Pattern is given, D= directive, N= non-directive.
9	CHANNEL		Channel number
10	OFFSET ²		Vision carrier offset, given in twelfths of the line frequency (15625 Hz).

To view the details for each transmitter site please refer to the worksheet named 'Sect2P1 - Stations' in the associated Appendix which is to be found immediately below this document on the Documents web page.

²All offsets for stations with an effective radiated power of 1 watt or less are uncontrolled and do not provide any additional protection for these stations. Offsets of greater than 11/12ths line offset are treated as normalised to under 12/12ths, i.e. 20/12 and 32/12 are treated as 8/12, relative offsets of 40/12, 52/12 and 64/12 are treated as 4/12, Offset of 12/12 is treated as 0/12. NB The same Protection Ratio is used for 8/12ths and 4/12ths offsets.

Section 2 - Part II

Details of the Horizontal Radiation Patterns

The horizontal radiation pattern for each station in Part I is listed in Part II. The pattern is given as a restriction in dBs relative to the maximum effective radiated power and is given in radials every ten degrees east of true north (ETN) starting at zero degrees ETN.

To view the details for each transmitter site please refer to the worksheet named 'Sect2P2 - Radiation' in the associated Appendix which is to be found immediately below this document on the Documents web page.