

Telecommunications

TELECOMMUNICATIONS (EXEMPTION) REGULATIONS 2001

Regulations made under ss.29 and 47.

2000-18

Repealed
Subsidiary
2001/092

TELECOMMUNICATIONS (EXEMPTION) REGULATIONS 2001

Repealed by Ord. 2006-15 as from 5.6.2006

(LN. 2001/092)

19.7.2001

Amending enactments	Relevant current provisions	Commencement date
LN. 2003/059 Sch.5		15.5.2003

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Title.

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1. These Regulations may be cited as the Telecommunications (Exemption) Regulations 2001.

Interpretation.

2. In these Regulations—

“the Ordinance” means the Telecommunications Ordinance 2000;

“apparatus” means telecommunications apparatus or apparatus designed or adapted for use in connection with telecommunications apparatus as described in Part III of Schedule 5;

“authorised person” means any person authorised by the Gibraltar Regulatory Authority for the purpose of regulation 5;

“CEPT” means the European Conference of Postal and Telecommunications Administrations;

“eirp” means equivalent isotropically radiated power;

“erp” means effective radiated power;

“EN45001 and EN45002” means European Standards (Normes Européennes) EN45001 and EN45002 published in September 1989 by the British Standards Institution;

“ETSI” means the European Telecommunications Standards Institute;

“ISO guides 25 and 58” means the International Organization for Standardization Guides 25 and 58 published by the International Organization for Standardization in 1990 and 1993 respectively;

“national administration” means the national administration of a country listed in Schedule 1;

“public switched telephone network” means a public telecommunication network by means of which two-way voice telephony services are provided whereby messages are switched incidentally to their conveyance;

“the Radio Regulations” means the 1998 edition of the Radio Regulations made under Article 13 of the Constitution of the International Telecommunication Union;

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“relevant apparatus” means the prescribed apparatus as defined in Schedules 2 to 7 hereto;

“test laboratory” means a test laboratory which has been accredited in accordance with ISO guides 25 and 58 or EN45001 and EN45002 or a national standard conforming to ISO guides 25 and 58 or EN45001 and EN45002.

Exemption.

3.(1) Subject to regulation 4, the establishment, installation and use of the relevant apparatus are hereby exempted from the provisions of section 29 of the Telecommunications Ordinance.

(2) The exemption in paragraph (1) shall not apply to relevant apparatus which is established, installed or used to provide or to be capable of providing a link between telecommunication apparatus, or a telecommunication network, and other such apparatus or network, by means of which a telecommunication service is provided by way of business to another person.

Terms, provisions and limitations.

4.(1) The exemption provided for in these Regulations shall be subject to the terms, provisions and limitations that-

- (a) the relevant apparatus shall not cause or contribute to any undue interference to any telecommunications; and
- (b) frequency bands relating to the relevant apparatus are for terrestrial use only, unless otherwise stated in Schedule 5.

(2) Such exemption shall also be subject to such additional terms, provisions and limitations as are specified in the Schedules in respect of the relevant apparatus.

Inspection and restrictions on use.

5.(1) Where an authorised person has reasonable cause to believe that any relevant apparatus is not complying with regulation 4, any person who is in possession or control of the relevant apparatus shall, on the demand of that authorised person-

- (a) permit and facilitate its inspection by that authorised person; and
- (b) cause its use to-

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- (i) cease; or
- (ii) be restricted in the manner specified by that authorised person,

for a period of time ending either on a date or on the occurrence of an event specified by that authorised person.

(2) Any authorised person exercising powers under subregulation (1) shall produce evidence of his authority, if so required by the person in possession or control of the relevant apparatus.

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TELECOMMUNICATIONS (EXEMPTION) REGULATIONS 2001 SCHEDULE 1

Regulation 2(1)

LIST OF NATIONAL ADMINISTRATIONS

<i>Country</i>	<i>Symbol</i>
Albania	AL
Andorra	AND
Austria	A
Belgium	B
Bosnia and Herzegovina	BH
Bulgaria	BG
Croatia	HR
Cyprus	CY
Czech Republic	CZ
Denmark	DK
Estonia	EST
Finland	FI
France	F
Germany	D
Greece	GR
Hungary	H
Iceland	IS
Ireland	IRL
Italy	I
Latvia	LV
Liechtenstein	FL
Lithuania	LT
Luxembourg	L
Malta	M
Moldova	MLD
Monaco	MC
Netherlands	NL
Norway	N
Poland	PL
Portugal	P
Romania	RO
Russian Federation	RUS
San Marino	RSM
Slovak Republic	SK
Slovenia	SLO
Spain	E
Sweden	S
Switzerland	CH
The Former Yugoslav Republic of Macedonia	MK
Turkey	TR

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Ukraine	UA
United Kingdom of Great Britain and Northern Ireland	GB
Ireland	
Vatican City	SCV

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SCHEDULE 2

Regulation 2(1)

NETWORK USER STATIONS

PART I

INTERPRETATION

In this Schedule—

“BAPT” means the British Approvals Board for Telecommunications;

“BTx” means Base Transmit, the frequency on which a base station transmits and a user station receives;

“MTx” means Mobile Transmit, the frequency on which a user station transmits and a base station receives;

“NTR 13” means Designation No. 95/037 NTR 13 given under section 22(6) of the Telecommunications Act 1984 by the Secretary of State on 14th December 1995;

“prescribed apparatus” means a user station as defined below;

“relevant network” means a telecommunication network consisting exclusively of stations established and used under and in accordance with a licence, which has been granted under section 29 of the Telecommunications Ordinance 2000 and is of a type specified in Part III of this Schedule; and

“user station” means a mobile station for telecommunications designed or adapted—

- (a) to be connected by telecommunications to one or more relevant networks; and
- (b) to be used solely for the purpose of sending and receiving messages conveyed by a relevant network by means of telecommunications.

PART II

ADDITIONAL TERMS, PROVISIONS AND LIMITATIONS

The prescribed apparatus shall be subject to and comply with the Common

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Technical Regulations referred to in Part IV of this Schedule as appropriate, and in the absence of a Common Technical Regulation applying to such apparatus, the prescribed apparatus—

- (a) be approved by the Gibraltar Regulatory Authority for the purposes of these Regulations; or
- (b) be approved to the ETSI standards or the draft ETSI standards referred to in Part IV as appropriate by a national administration following type testing at a test laboratory; or
- (c) complies with the BABT performance standards referred to in Part IV as appropriate.

PART III

TYPE OF LICENCE GRANTED UNDER SECTION 29 OF THE TELECOMMUNICATIONS ORDINANCE 2000 FOR THE ESTABLISHMENT AND USE OF RELEVANT NETWORKS

Public Mobile Operator Licences.

1. Public mobile data systems licensed for use in the following frequency bands—

105–165 MHz

174–208 MHz

420–470 MHz

(for non-voice only operation)

2. Cellular radiotelephone systems licensed for use in the following services on the relevant frequency bands—

(a) cellular radiotelephones:

Extended Total Access Communications System (ETACS):	872-890 MHz (MTx)
	917-935 MHz (BTx)
Total Access Communications System (TACS):	890-905 MHz (MTx)
	935-950 MHz (BTx)

(b) digital cellular radiotelephones:

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Global System for Mobile communications (GSM):	880-915 MHz (MTx)
	925-960 MHz (BTx)

(c) digital cellular DCS radiotelephones:

Digital Cellular System (DCS)	1805-1880 MHz (MTx)
	1710-1785 MHz (BTx)

3. Public access mobile radio systems licensed for use in the following frequency bands–

174-208 MHz

410-430 MHz

Common Base Station Operator Licence.

Common base station systems licensed for use in the following frequency bands–

81-87 MHz

162-167 MHz

440-449 MHz.

COMMON TECHNICAL REGULATIONS AND STANDARDS

GSM.

CTR 005 - Commission Decision of 21st December 1993 on a common technical regulation for the general attachment requirements for public pan-European cellular digital land-based mobile communications, including the ETSI Technical Basis for Regulation (TBR) TBR 005 published in November 1993.

CTR 009 - Commission Decision of 21st December 1993 on a common technical regulation for the telephony application requirements for public pan-European cellular digital land-based mobile communications, including the ETSI Technical Basis for Regulation TBR 009 published in November 1993.

I-ETS 300 020-1 (Edition 2) published by ETSI in January 1995.

TBR 019 published by ETSI in October 1996.

TBR 020 published by ETSI in October 1996.

Public mobile data systems.

Final Draft pr ETS 300 113 published by ETSI in March 1996.

ETS 300 113 published by ETSI in July 1996.

DCS.

BABT Special Investigation Test Schedule (SITS) 92/50 published in March 1991 and revised and reprinted in June 1995.

Final Draft pr TBR 031: 1996-02 published by ETSI in February 1996.

Final Draft pr TBR 032: 1996-02 published by ETSI in February 1996.

Public access mobile radio systems.

ETS 300 086 published by ETSI in January 1991.

ETS 300 113 published by ETSI in July 1996.

I-ETS 300 219 published by ETSI in October 1993.

Common base station systems.

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ETS 300 086

ETS 300 113

MPT 1326

SCHEDULE 3

Regulation 2(1)

CORDLESS TELEPHONE APPARATUS

PART I

INTERPRETATION

In this Schedule—

“data message” means a non-voice message; and

“prescribed apparatus” means any station or apparatus described in Part III of this Schedule.

PART II

ADDITIONAL TERMS, PROVISIONS AND LIMITATIONS

The prescribed apparatus shall be subject to and must comply with the Common Technical Regulation referred to in Part IV of this Schedule, and in the absence of a Common Technical Regulation applying to such apparatus, the prescribed apparatus must—

- (a) be approved by the Gibraltar Regulatory Authority for the purposes of these Regulations; or
- (b) be approved to the ETSI standards referred to in Part IV of this Schedule as appropriate by a national administration following type testing at a test laboratory.

PART III

DESCRIPTIONS OF THE PRESCRIBED APPARATUS

Analogue Cordless Telephone Apparatus (CT1).

1. Apparatus consisting of a base station and one or more portable stations designed or adapted in accordance with MPT 1322-

- (a) to be used to send and receive voice or data messages to be conveyed over a telecommunication network to which the base station is connected; and

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- (b) so as not to operate on more than one of the pairs of frequencies set out below at any one time-

<i>Channel No.</i>	<i>Base station transmission frequency</i>	<i>Portable station transmission frequency</i>
1	1642.00 kHz	47.45625 MHz
2	1662.00 kHz	47.46875 MHz
3	1682.00 kHz	47.48125 MHz
4	1702.00 kHz	47.49375 MHz
5	1722.00 kHz	47.50625 MHz
6	1742.00 kHz	47.51875 MHz
7	1762.00 kHz	47.53125 MHz or 47.44375 MHz
8	1782.00 kHz	47.54375 MHz

2. Apparatus consisting of a base station and one or more portable stations designed or adapted in accordance with MPT 1384-

- (a) to be used to send and receive voice or data messages to be conveyed over a telecommunication network to which the base station is connected; and
- (b) so as not to operate on more than one of the pair of frequencies set out below at any one time-

<i>Channel No.</i>	<i>Base station transmission frequency</i>	<i>Portable station transmission frequency</i>
1	31.0375 MHz	39.9375 MHz
2	31.0625 MHz	39.9625 MHz
3	31.0875 MHz	39.9875 MHz
4	31.1125 MHz	40.0125 MHz
5	31.1375 MHz	40.0375 MHz
6	31.1625 MHz	40.0625 MHz
7	31.1875 MHz	40.0875 MHz
8	31.2125 MHz	40.1125 MHz

Analogue Cordless Telephone Extended Range Apparatus (Extended Range CT1).

3. Apparatus consisting of a base station and one or more portable stations designed or adapted in accordance with MPT 137-

- (a) to be used to send and receive voice or data messages to be conveyed over a telecommunication network to which the base station is connected; and

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- (b) so as to operate on either of the pairs of frequencies set out below–

<i>Channel No.</i>	<i>Base station transmission frequency</i>	<i>Portable station transmission frequency</i>
1	47.43125 MHz	77.51250 MHz
2	47.41875 MHz	77.55000 MHz

Digital Cordless Telephone Apparatus (CT2).

4. Apparatus conforming, at the time it is manufactured, to MPT 1334 or the Interim European Telecommunications Standard I-ETS 300 131 referred to in Part IV and consisting of one or more base stations and one or more portable stations designed or adapted–

- (a) to be used to send and receive voice or data messages or visual images in digitised packets in time division duplex mode bi-directionally to be conveyed over a telecommunication network to which the base station is connected; and
- (b) so as to operate in a 100 kHz channel within the frequency band 864.1 - 868.1 MHz.

Digital European Cordless Telecommunications Apparatus (DECT, also known as Digital Enhanced Telecommunications Apparatus).

5. Apparatus conforming, at the time it is manufactured, to the ETSI Technical Basis for Regulation TBR 006 referred to in Part IV and consisting of one or more base stations, repeater stations and portable stations designed or adapted–

- (a) to be used to send and receive voice or data messages or visual images either directly between a base station and a portable station or between a base station and a portable station by relay through a repeater station in digitised packets in time division duplex mode bi-directionally to be conveyed over a telecommunication network to which the base station is connected; and
- (b) so as to operate within the frequency band 1880-1900 MHz.

For the purposes of this paragraph, “repeater station” means a station which relays the voice or data message or visual image between the base station and one or more portable stations.

PART IV

STANDARDS**CT1.**

The United Kingdom's Department of Trade and Industry Performance Specification MPT 1322 published in August 1982 and revised and reprinted in August 1994.

The United Kingdom's Department of Trade and Industry Performance Specification MPT 1384 published in November 1997.

Extended range CT1.

The United Kingdom's Department of Trade and Industry Performance Specification MPT 1334 published in May 1989 and revised and reprinted in August 1994.

CT2.

The United Kingdom's Department of Trade and Industry Performance Specification MPT 1334 published in December 1987 and revised and reprinted in July 1994.

I-ETS 300 131 published by ETSI in April 1992 and revised and reprinted in November 1994.

DECT.

ETSI Technical Basis for Regulation TBR 006 published in December 1993 and revised and reprinted in December 1995.

CTR 006 – Commission Decision of 9th July 1997 on a common technical regulation for the general terminal attachment requirements for DECT, including the ETSI Technical Basis for Regulation TBR 006.

CTR 010 – Commission Decision of 9th July 1997 on a common technical regulation for the telephony application requirements for DECT, including the ETSI Technical Basis for Regulation TBR 010.

CTR 022 – Commission Decision of 9th July 1997 on a common technical regulation for the attachment requirements for DECT generic access profile (GAP), including the ETSI Technical Basis for Regulation TBR 022.

SCHEDULE 4

Regulation 2(1)

LAND MOBILE-SATELLITE SERVICE STATIONS

PART I

INTERPRETATION

In this Schedule—

“Eutelsat” means the European Telecommunications Satellite Organization established by Article 11(a) of the Convention on the European Telecommunications Satellite Organization of 1982;

“Globalstar” means Globalstar LP whose registered office is situated at 3200 Zanker Road, GS-06, San Jose, CA 95134, United States of America;

“ICO” means ICO Global Communications (Holdings) Limited whose registered office is situated at Clarendon House, 2 Church Street, Hamilton, Bermuda;

“Inmarsat” means Inmarsat Limited whose registered office is situated at 99 City Road, London EC1Y 1AX;

“Iridium” means Iridium Satellite LLC whose registered office is situated at 8440 South River Parkway Tempe, AZ 85284 USA;

“Italsat” means the satellite network operated by Telespazio s.p.a. whose registered office is situated at via Tiburting, 965-00156 Rome, Italy;

“Land Mobile-Satellite Service”, “Land Earth Station” and “Land Mobile Earth Station” have the meanings given to them in the Radio Regulations;

“prescribed apparatus” means a Land Mobile Earth Station in a Land Mobile-Satellite Service described in Part III of this Schedule.

PART II

ADDITIONAL TERMS, PROVISIONS AND LIMITATIONS

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The prescribed apparatus shall be subject to and comply with the Common Technical Regulations referred to in Part IV of this Schedule as appropriate, and in the absence of a Common Technical Regulation applying to such apparatus, the prescribed apparatus must-

- (a) be approved by the Gibraltar Regulatory Authority for the purposes of these Regulations; or
- (b) be approved to the ETSI standards referred to in Part IV of this Schedule as appropriate by a national administration following type testing at a test laboratory.

PART III

DESCRIPTIONS OF THE PRESCRIBED APPARATUS

Inmarsat.

Land Mobile Earth Stations in the Inmarsat Land Mobile-Satellite Service which are designed or adapted to-

- (a) send and receive messages by telecommunications via that Service to or from any Land Earth Station in that Service; and
- (b) be capable of transmitting in the frequency bands 1626.5-1645.5 MHz and 1646.5-1660.5 MHz and receiving in the frequency bands 1525.0-1544.0 MHz or 1545.0-1559.0 MHz and operating at a power level not exceeding the maximum specified in the table set out in Part IV.

Eutelsat.

Land Mobile Earth Stations in the Eutelsat Land Mobile-Satellite Service which are designed or adapted to-

- (a) send and receive messages by telecommunications via that Service to or from any Land Earth Station in that Service; and
- (b) be capable of transmitting in the frequency band 14.00-14.25 GHz and receiving in the frequency bands 10.70-11.70 GHz or 12.50-12.75 GHz and operating at a power level not exceeding the maximum specified in the table set out in Part IV.

Italsat.

Land Mobile Earth Stations in the Italsat Land Mobile-Satellite Service which are designed or adapted to-

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- (a) send and receive messages by telecommunications via that Service to or from any Land Earth Station in that Service; and
- (b) be capable of transmitting in the frequency bands 1626.5-1645.5 MHz and 1646.5-1660.5 MHz and receiving in the frequency bands 1525.0-1544.0 MHz or 1545.0-1559.0 MHz and operating at a power level not exceeding the maximum specified in the table set out in Part IV.

ICO.

Land Mobile Earth Stations in the ICO Land Mobile-Satellite Service which are designed or adapted to—

- (a) send and receive messages by telecommunications via that Service to or from any Land Earth Station in that Service;
- (b) be capable of transmitting and receiving in the frequency bands 1997.5-2010.0 MHz and 2187.5-2200.0 MHz and operating at a power level not exceeding 9.8 dBW/25 kHz peak power (eirp) density; and
- (c) operate in accordance with the requirements of ECTRA/ERC Decision (97) 05, ERC Decision ERC/DEC (97) 03 and ERC Decision ERC/DEC (97) 04 decided by the CEPT in June 1997.

Globalstar.

Land Mobile Earth Stations in the Globalstar Land Mobile-Satellite Service which are designed or adapted to—

- (a) send and receive messages by telecommunications via that Service to or from any Land Earth Station in that Service;
- (b) be capable of transmitting and receiving in the frequency bands 1610.0-1621.35 MHz and 2483.5-2500.0 MHz and operating at a power level not exceeding -3 dBW/4 kHz mean power (eirp) density; and
- (c) operate in accordance with the requirements of ECTRA/ERC Decision (97) 05 and ERC Decision ERC/DEC (97) 03.

PART IV **COMMON TECHNICAL REGULATIONS AND STANDARDS**

Inmarsat.

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Type of Inmarsat station	Maximum power (eirp)	ETSI standard (unless otherwise stated)	Date of publication
A	+37 dBW	Technical Requirements for Inmarsat Standard - A Ship Earth Stations, edition 3	May 1988
		Ship Earth Station Technical Bulletin 26A	September 1991
		Ship Earth Station Technical Bulletin 27B	October 1993
B	+34 dBW (+1/-2 dB)	TBR 44	May 1998
C	+16 dBW	TBR 26 edition 1	May 1998
D	+9 dBW	TBR 26 edition 1	
M	+28 dBW (+3/-3 dB)	TBR 44	
Mini M (phone)	+2.7 dBW	TBR 44	
M4	+26dBW	TBR 44	

Eutelsat

Type of Eutelsat station	Maximum power (eirp)	ETSI standard	Date of publication
Euteltracs (Omnitracs)	19 dBW	TBR 27	January 1998

Italsat.

Type of Italsat station	Maximum power (eirp)	ETSI standard	Date of publication
EMS-PRODAT	12 dBW	TBR 26 edition 1	May 1998
EMS-MSSAT	11.5 dBW	TBR 44	May 1998

Iridium.

CTR 41 – Commission Decision of 3rd September 1998 on a common technical regulation for Satellite Personal Communications Networks (S-PCN) Mobile Earth Stations (MESs), including hand held earth stations, for S-PCN operating in the 1.6/2.4 GHz frequency bands under the Mobile Satellite Service (MSS).

ICO.

CTR 42 - Commission Decision of 3rd September 1998 on a common technical regulation for Satellite Personal Communications Networks (S-PCN) Mobile Earth Stations (MESs), including hand held earth stations, for

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S-PCN operating in the 2.0 GHz frequency bands under the Mobile Satellite Service (MSS).

Globalstar

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SCHEDULE 5

Regulation 2(1)

SHORT RANGE DEVICES

PART I

INTERPRETATION

1. In this Schedule—

“direct sequence spread spectrum modulation” means a form of modulation where a combination of data to be transmitted and a known code sequence (or chip sequence) is used to directly modulate a carrier;

“EN 300 220-1” means the European Telecommunications Standard EN 300 220-1 published by ETSI in November 1997;

“EN 300 328” means the European Telecommunications Standard EN 300 328 published by ETSI in November 1994, revised and reprinted in November 1996 and amended in July 1997;

“EN 300 330” means the European Telecommunications Standard EN 300 330, version 1.2.2 (1999) published by ETSI in 1999;

“I-ETS 300 422” means the European Telecommunications Standard I-ETS 300 422 published by ETSI in December 1995;

“I-ETS 300 440” means the European Telecommunications Standard I-ETS 300 440 published by ETSI in December 1995 and Corrigendum issued in April 1996;

“EN 300 674” means the European Telecommunications Standard EN 300 674 published by ETSI in November 1998;

“EN 300 718” means the European Telecommunications Standard EN 300 718 published by ETSI in March 1997;

“EN 300 761” means the European Telecommunications Standard EN 300 761 published by ETSI in January 1998;

“EN 300 836-1” means the European Telecommunications Standard EN 300 836-1 published by ETSI in May 1998;

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“EN 301 091” means the European Telecommunications Standard EN 301 091 published by ETSI in June 1998;

“EN 301 357” means the European Telecommunications Standard EN 301 357, version 1.2.1 (1999) published by ETSI in 1999;

“Fo” means centre frequency;

“frequency hopping spread spectrum modulation” means a technique in which the transmitted signal occupies a number of frequencies in time, each for some period of time;

“non-manufactured apparatus” means apparatus made up from components, but which is not for retail resale;

“prescribed apparatus” means any station or apparatus described in Part III of this Schedule.

“radiated level” means the maximum level permitted, referenced to the erp, eirp or field strength as specified in Part III of this Schedule; and

“Telemetry”, “Telecommand”, “Television” and “Telephony” have the meanings given to them in the Radio Regulations.

2. Where the channel spacing or channel bandwidth is defined in this Schedule the centre frequency of the first channel is at a distance of half the channel spacing from the lower frequency band edge.

PART II

ADDITIONAL TERMS, PROVISIONS AND LIMITATIONS

Prescribed apparatus must—

- (a) be approved by the Gibraltar Regulatory Authority for the purposes of these Regulations; or
- (b) be approved to the ETSI standards referred to in Part III of this Schedule as appropriate by a national administration following type testing at a test laboratory, or otherwise complies with such standards in the case of non-manufactured apparatus used as metal detectors or model control apparatus referred to in Part III, paragraphs 13 and 20 below,

PART III

Telecommunications

TELECOMMUNICATIONS (EXEMPTION) REGULATIONS 2001 DESCRIPTIONS OF THE RELEVANT APPARATUS

General Purpose Short Range Devices.

1. Any telecommunications apparatus, which is not described elsewhere in this Schedule and which is designed or adapted so as to be capable of use within the frequency band, and at a radiated level not exceeding the maximum for such frequency band, specified in the table below—

Frequencies or frequency band	Radiated level	Channel bandwidth	Music or speech permitted	ETSI standard
49.82-49.98 MHz	10 mW erp	10 kHz	Yes	EN 300 220-1
49.82-49.98 MHz	10 mW erp	-	Yes	
433.05-434.79 MHz	10 mW erp	-	Yes (on condition that no interference is caused to other users)	

Telemetry and Telecommand: General.

2. Telecommunications apparatus designed or adapted for—

- (a) Telemetry and Telecommand, so as to be capable of use on one or more of the frequencies or within one of the frequency bands, and at a radiated level not exceeding the maximum for such frequencies or frequency bands, for each category of apparatus, specified in the table below and subject to the following sub-paragraphs;
- (b) in category iii, channel numbers 1 and 3 to 11 are available with a channel centre frequency of 173.2 MHz + (channel bandwidth x channel number);
- (c) in category iv, channel numbers 1 to 5 are available with a channel centre frequency of 173.2 MHz + (channel bandwidth x channel number);
- (d) in category v, Telemetry and Telecommand may only be used in conjunction with telephony with a non-locking push to talk key or voice operated carrier;
- (e) in category vii, the band may also be used for airborne telemetry based on 25 kHz channel spacing;

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- (f) in categories viii, ix and xii, consecutive channels may be combined for increased bandwidth up to the maximum sub-band frequency allocation. The total signal bandwidth must be contained within the allocated sub-band-

Category	Frequencies or frequency band	Radiated level	Channel bandwidth	Music or speech permitted	Duty cycle	ETSI standard
i	26.995, 27.045, 27.095, 27.145, 27.195 MHz	1 mW erp	10 kHz	No	-	EN 300 220-1
ii	40.66-40.7 MHz	10 mW erp	-	No	-	
iii	173.2-173.35 MHz	1 mW erp	12.5 kHz	No	-	
iv	173.2-173.35 MHz	1 mW erp	25 kHz	No	-	
v	173.5875, 173.6 MHz	10 mW erp	12.5 kHz	Yes	-	
vi	417.9-418.1 MHz	250 μ W erp	-	No	-	
vii	433.05-434.79 MHz	10 mW erp	-	No	\leq 10%	
viii	868-868.6 MHz	25 mW erp	\leq 25 kHz	No	\leq 1%	
ix	868.7-869.2 MHz	25 mW erp	\leq 25 kHz	No	\leq 0.1%	
x	869.3-869.4 MHz	10 mW erp	\leq 25 kHz	No	\leq 10%	
xi	869.4-869.65 MHz	500 mW erp	\leq 25 kHz	No	\leq 10%	
xii	869.7-870 MHz	5 mW erp	\leq 25 kHz	No	up to 100 %	
xiii	2400-2483.5 MHz	10 mW eirp	\leq 20 MHz	Yes	-	I-ETS 300 440

Telemetry and Telecommand: Industrial/Commercial.

3. Telecommunications apparatus designed or adapted for-

- (a) Telemetry and Telecommand, so as to be capable of use on one or more of the frequencies or within one of the frequency bands, and at a radiated level not exceeding the maximum for such frequencies or frequency bands, for each category of apparatus, specified in the table below and subject to the following sub-paragraphs;
- (b) in category i, channel numbers 1 and 3 to 11 are available with a channel centre frequency of 173.2 MHz + (channel bandwidth x channel number);
- (c) in category ii, channel numbers 1 to 5 are available with a channel centre frequency of 173.2 MHz + (channel bandwidth x channel number);
- (d) in category iv, channel numbers 1 to 25, 28 to 31 and 33 to 35 are available with a channel centre frequency of 458.5 MHz + (channel bandwidth x channel number);
- (e) in category v, channel numbers 1 to 12, 14 to 15 and 17 are available with a channel centre frequency of 458.5 MHz + (channel bandwidth x channel number)-

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Category	Frequencies or frequency band	Radiated level	Channel bandwidth	Music or speech permitted	ETSI standard
i	173.2-173.35 MHz	10 mW erp	12.5 kHz	No	EN 300 220-1
ii	173.2-173.35 MHz	10 mW erp	25 kHz	No	
iii	173.2-173.35 MHz	10 mW erp	-	No	
iv	458.5-458.95 MHz	500 mW erp	12.5 kHz	No	
v	458.5-458.95 MHz	500 mW erp	25 kHz	No	
vi	2445-2455 MHz	100 mW eirp	-	No	I-ETS 300 440

Telemetry: Databuoys.

4. Telecommunications apparatus designed or adapted for Telemetry in a maritime environment, so as to be capable of use on one or more of the frequencies or within one of the frequency bands, and at a radiated level not exceeding the maximum for such frequencies or frequency bands, for each category of apparatus, specified in the table below—

Frequencies or frequency band	Radiated level	Channel bandwidth	Music or speech permitted	ETSI standard
35.3375, 35.3625, 35.3875, 35.4125, 35.4375, 35.4625 MHz	250 mW erp	25 kHz	No	EN 300 220-1

Medical and Biological Applications.

5. Telecommunications apparatus designed or adapted for—

- (a) Telemetry and Telecommand, so as to be capable of use on one or more of the frequencies or within one of the frequency bands, and at a radiated level not exceeding the maximum for such frequencies or frequency bands, for each category of apparatus, specified in the table below and subject to the following sub-paragraphs;
- (b) in category ii, channel numbers 1 to 24 are available with channel centre frequency of 173.7 MHz + (channel bandwidth x channel number);
- (c) in category iii, channel numbers 1 to 11 are available with channel centre frequency of 173.7 MHz + (channel bandwidth x channel number);
- (d) in category v, for use with ultra low power active medical implants only;
- (e) in category vi and vii, channel numbers 37 to 47 are available with channel centre frequency of 458.5 MHz + (channel bandwidth x channel number);

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- (f) in category viii and ix, channel numbers 19 to 23 are available with channel centre frequency of 458.5 MHz + (channel bandwidth x channel number);
- (g) in categories ii, iii, vi and viii, these bands may also be used in an airborne application for the tracking of birds–

Category	Frequencies or frequency band	Radiated level	Channel band width	Music or speech permitted	ETSI standard
i	300 kHz-30 MHz	9dB μ A/m@;10 m	-	No	EN 300 330
ii	173.7-174 MHz	10 mW erp	12.5 kHz	No	EN 300 220-1
iii	173.7-174 MHz	10 mW erp	25 kHz	No	
iv	173.7-174 MHz	10 mW erp	-	No	
v	402-405 MHz	25 μ W erp	300 kHz	No	
vi	458.9625-459.1000 MHz	10 mW erp	12.5 kHz	No	
vii	458.9625-459.1000 MHz	500 mW erp	12.5 kHz	No	
viii	458.9625-459.1000 MHz	10 mW erp	25 kHz	No	
ix	458.9625-459.1000 MHz	500 mW erp	25 kHz	No	

Short Range Data Links.

6. Telecommunications apparatus designed or adapted–

- (a) for the provision of short range data links, so as to be capable of use only within the frequency band, and at a radiated level not exceeding the maximum for such frequency band, specified in the table below and subject to the following sub-paragraph;
- (b) analogue speech is not permitted.

Frequency Band	Power	Antenna	Channel Spacing
2400-2483.5 MHz	100 mW e.i.r.p. For direct sequence spread spectrum, the maximum spectrum power density is limited to –20 dBW/1MHz. For frequency hopping spread spectrum power density is limited to –10 dBW/1MHz.	Internal (no external antenna socket or dedicated	No channel spacing – the whole stated frequency band may be used. Minimum data rate 250kbit/s

Equipment for the Detection of Movement or Alert.

7. Telecommunications apparatus designed or adapted to–

- (a) produce a radiated field and respond to a variation in that field as a result of any intrusion or movement within that field by

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other devices, objects or persons in order to detect or monitor the movement of such devices, objects or persons, so as to be capable of use on one or more of the frequencies within one of the frequency bands, and at a radiated level not exceeding the maximum for such frequencies or frequency bands, specified in the table below and subject to the following sub-paragraphs;

- (b) in category i, this service is due to be withdrawn by 31st December 2003;
- (c) category ii applications are for tagging and identification only;
- (d) category iv applications are for indoor use only;
- (e) category vii applications are for use in mobile applications only, and fixed installations are not permitted.

Category	Frequencies or frequency band	Radiated level	Channel bandwidth	Music or speech permitted	ETSI standard
i	888.0-889.0 MHz	500 mW erp	25 kHz	No	-
ii	2445-2455 MHz	500 mW eirp	-	No	I-ETS 300 440
iii	10.577-10.597 GHz	1 W eirp	-	No	
iv	10.675-10.699 GHz	1 W eirp	-	No	
v	13.4-14.0 GHz	500 mW eirp	-	No	
vi	24.150-24.250 GHz	2 W eirp	-	No	
vii	24.250-24.350 GHz	2 W eirp	-	No	

Road Transport and Traffic Telematics.

8. Telecommunications apparatus designed or adapted to aid in the management, control or flow of transport and traffic—

- (a) for the provision of short range data links which respond to a signal initiated by, in the case of categories i and ii below, a network operator, or by, in the case of category ii or iii, a private system used and operated by the owner or persons authorised by the owner, so as to be capable of use only within any of the frequency bands, and at a radiated level not exceeding the maximum for such frequency bands, specified in the table below—

Category	Frequencies or frequency band	Radiated level	Channel bandwidth	Music or speech permitted	Duty cycle	ETSI standard
i	5795-5805 MHz	<= 2 W eirp	-	No	-	EN 300 674
ii	5805-5815 MHz	<= 2 W eirp	-	No	-	
iii	5805-5815 MHz	<= 2 W eirp	-	No	-	I-ETS 300 440

- (b) for the provision of short range on-board vehicle radar so as to be capable of use only within the frequency band and at a

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radiated level not exceeding the maximum for such frequency band specified in the table below–

<i>Frequencies or frequency band</i>	<i>Radiated level</i>	<i>Channel bandwidth</i>	<i>Music or speech permitted</i>	<i>Duty cycle</i>	<i>ETSI standard</i>
76-77 GHz	<= 55 dBm peak power	-	No	-	EN 301 091

Inductive Applications.

9. That part of an induction system designed or adapted to produce–

- (a) a controlled magnetic field; and
- (b) a predetermined recognisable signal when operating within that magnetic field,

so as to be capable of use only within the frequency bands, and at a radiated level, not exceeding the maximum for such frequency bands specified in the table below–

<i>Frequencies or frequency band</i>	<i>Radiated level</i>	<i>Channel bandwidth</i>	<i>Music or speech permitted</i>	<i>Duty cycle</i>	<i>ETSI standard</i>
9-30 kHz	72 dB μ A/m @ 10 m	-	No	-	EN 300 330
9-185 kHz	48 dB μ A/m @ 10 m	-	Yes (music not permitted)	-	
30-59.75 kHz	72 dB μ A/m descending 3.5 dB/octave above 30 kHz	-	No	-	
59.75-60.25 kHz	42 dB μ A/m	-	No	-	
60.25-70 kHz	72 dB μ A/m descending 3.5 dB/octave above 30 kHz	-	No	-	
70-119 kHz	42 dB μ A/m @ 10 m	-	No	-	
119-135 kHz	72 dB μ A/m descending 3.5 dB/octave above 30 kHz	-	No	-	
240-315 kHz	24 dB μ A/m @ 10 m	-	No	-	
2-30 MHz	-9.5 dB μ A/m @ 10 m	-	Yes (speech only)	-	
2-30 MHz	9 dB μ A/m @ 10 m	-	No	-	
6.765-6.795 MHz	42 dB μ A/m @ 10 m	-	No	-	
7.4-8.8 MHz	9 dB μ A/m @ 10 m	-	No	-	
13.533-13.587 MHz	21.5 dB μ A/m @ 10 m	-	No	-	
13.553-13.567 MHz	42 dB μ A/m @ 10 m	-	No	-	
26.957-27.283 MHz	42 dB μ A/m @ 10 m	-	No	-	

Metal Detectors.

10. That part of an induction system designed or adapted to produce–

- (a) a controlled magnetic field; and
- (b) a predetermined recognisable signal when operating within that magnetic field,

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so as to be capable of use only within the frequency bands, and at a radiated level, not exceeding the maximum for such frequency bands, specified in the table below—

<i>Frequencies or frequency band</i>	<i>Radiated level</i>	<i>Channel bandwidth</i>	<i>Music or speech permitted</i>	<i>ETSI standard</i>
9-148.5 kHz	70 dB μ A/m @ 6 m	-	No	EN 300 330

Alarms.

11. Telecommunications apparatus designed or adapted—

- (a) to generate or indicate an alarm condition; or
- (b) to arm or disarm the alarm system,

so as to be capable of use on one or more of the frequencies within one of the frequency bands, and at a radiated level not exceeding the maximum for such frequencies or frequency bands, specified in the table below—

<i>Frequencies or frequency band</i>	<i>Radiated level</i>	<i>Channel bandwidth</i>	<i>Music or speech permitted</i>	<i>Duty cycle</i>	<i>ETSI standard</i>
868.6-868.7 MHz	10 mW erp	<= 25 kHz	No	<= 0.1%	EN 300 220-1
869.250-869.3 MHz	10 mW erp	<= 25 kHz	No	<= 0.1%	
869.65-869.7 MHz	25 mW erp	<= 25 kHz	No	<= 10%	

Social Alarms: For the elderly and infirm.

12. Telecommunications apparatus designed or adapted—

- (a) to generate or indicate an alarm condition; or
- (b) to arm or disarm the alarm system,

so as to be capable of use on one or more of the frequencies, and at a radiated level not exceeding the maximum for such frequencies, specified in the table below—

<i>Frequencies or frequency band</i>	<i>Radiated level</i>	<i>Channel bandwidth</i>	<i>Music or speech permitted</i>	<i>Duty cycle</i>	<i>ETSI standard</i>
27.450, 34.925, 34.950, 34.975 MHz	500 μ W erp	12.5 kHz	No	-	EN 300 220-1
869.2-869.25 MHz	10 mW erp	<= 25 kHz	No	<= 0.1%	

Alarms: Vehicle paging.

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13. Telecommunications apparatus designed or adapted to generate or indicate an alarm condition so as to be capable of use on one or more of the frequencies, and at a radiated level not exceeding the maximum for such frequencies, specified in the table below, provided that category ii apparatus may also be used to arm or disarm the alarm system at a radiated level not exceeding 1 mW–

<i>Category</i>	<i>Frequencies or frequency band</i>	<i>Radiated level</i>	<i>Channel bandwidth</i>	<i>Music or speech permitted</i>	<i>ETSI standard</i>
i	47.4 MHz	100 mW erp	12.5 kHz	No	EN 300 220-1
ii	458.90 MHz	100 mW erp	12.5 kHz	No	

Alarms: General alarms associated with marine applications and including fixed shore installations.

14. Telecommunications apparatus designed or adapted–

- (a) to generate or indicate an alarm condition; or
- (b) to arm or disarm the alarm system,

so as to be capable of use on the frequency, and at a radiated level not exceeding the maximum for such frequency, specified in the table below, including use on land for the storage or transportation of vessels–

<i>Frequencies or frequency band</i>	<i>Radiated level</i>	<i>Channel bandwidth</i>	<i>Music or speech permitted</i>	<i>ETSI standard</i>
161.275 MHz	10 mW erp	12.5 kHz	No	EN 300 220-1

Alarms: Mobile and transportable and lone worker safety.

15. Telecommunications apparatus designed or adapted–

- (a) to generate or indicate an alarm condition; or
- (b) to arm or disarm the alarm system,

so as to be capable of use on one or more of the frequencies, and at a radiated level not exceeding the maximum for such frequencies, specified in the table below–

<i>Frequencies or frequency band</i>	<i>Radiated level</i>	<i>Channel bandwidth</i>	<i>Music or speech permitted</i>	<i>ETSI standard</i>
173.1875 MHz	10 mW erp	12.5 kHz	No	EN 300 220-1
458.8375 MHz	100 mW erp	12.5 kHz	No	

Alarms: Fixed.

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16. Telecommunications apparatus designed or adapted–

- (a) to generate or indicate an alarm condition; or
- (b) to arm or disarm the alarm system,

so as to be capable of use on one or more of the frequencies, and at a radiated level not exceeding the maximum for such frequencies, specified in the table below–

<i>Frequencies or frequency band</i>	<i>Radiated level</i>	<i>Channel bandwidth</i>	<i>Music or speech permitted</i>	<i>ETSI standard</i>
173.225 MHz	10 mW erp	12.5 kHz	No	EN 300 220-1
173.225 MHz	10 mW erp	25 kHz	No	
458.825 MHz	100 mW erp	12.5 kHz	No	

Model Control.

17. Telecommunications apparatus designed or adapted–

- (a) in categories i and v, for Telecommand to control the movement of medals in general;
- (b) in category ii, for Telecommand to control the movement of airborne models only;
- (c) in category iii, for Telecommand to control the movement of models on the ground, on water or under the water;
- (d) in category iv, for Telemetry to provide data from the model, including airborne models,

so as to be capable of use on one or more of the frequencies or within one of the frequency bands, and at a radiated level not exceeding the maximum for such frequencies or frequency bands, for each category of apparatus, specified in the table below–

<i>Category</i>	<i>Frequencies or frequency band</i>	<i>Radiated level</i>	<i>Channel bandwidth</i>	<i>Music or speech permitted</i>	<i>ETSI standard</i>
i	26.96-27.28 MHz	100 mW	10 kHz	No	EN 300 220-1
ii	34.995-35.255 MHz	100 mW	10 kHz	No	
iii	40.66-41.00 MHz	100 mW	10 kHz	No	
iv	433.05-434.79 MHz	10 mW	25 kHz	No	
v	458.5-459.5 MHz	100 mW	25 kHz	No	

Radio Microphones.

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18. Telecommunications apparatus designed or adapted for Telephony, for the purpose of aids to project personal voice or music, so as to be capable of use on one or more of the frequencies within the frequency bands, and at a radiated level not exceeding the maximum for such frequencies or frequency bands, for each category of apparatus, specified in the table below-

<i>Frequencies or frequency band</i>	<i>Radiated level</i>	<i>Channel bandwidth</i>	<i>Music or speech permitted</i>	<i>ETSI standard</i>
174.6, 174.675, 174.77, 174.885, 175.02 MHz	5 mW erp	50 kHz	Yes	I-ETS 300 422
173.8, 174.1, 174.5, 174.8, 175.0 MHz	2 mW erp	180 kHz	Yes	
863-865 MHz	10 mW erp	<= 200 kHz	Yes	

Radio Hearing Aids.

19. Telecommunications apparatus designed or adapted-

- (a) for Telephony, for the purpose of hearing aids for the handicapped, so as to be capable of use on one or more of the frequencies within the frequency bands, and at a radiated level not exceeding the maximum for such frequencies or frequency bands, for each category of apparatus, specified in the table below and subject to the following sub-paragraphs;
- (b) frequency bands in category ii may be used if frequency bands in category i are not suitable; and frequency bands in category iii may be used if category i and ii frequency bands are not suitable;
- (c) frequency bands in category iv may only be used as an alternative for radio hearing aids if frequency bands in categories i, ii and iii are unsuitable

<i>Category</i>	<i>Frequencies or frequency band</i>	<i>Radiated level</i>	<i>Channel bandwidth</i>	<i>Music or speech permitted</i>	<i>ETSI standard</i>
i	173.35, 173.4, 173.465, 173.545, 173.64 MHz	2 mW erp	50 kHz	Yes	I-ETS 300 422
ii	173.695, 173.775, 173.825, 173.95, 173.99 MHz	2 mW erp	50 kHz	Yes	
iii	174.07, 174.12, 174.185, 174.27, 174.36, 174.415 MHz	2 mW erp	50 kHz	Yes	
iv	174.6, 174.675, 174.77, 174.885, 175.02 MHz	2 mW erp	50 kHz	Yes	

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20. Telecommunications apparatus designed or adapted—

- (a) for Telephony, for the purpose of providing a short range radio link between the audio output of a device, so as to be capable of use on one or more frequencies within the frequency band, and at a radiated level not exceeding the maximum for such frequencies or frequency bands, for each category of apparatus, specified in the table below and subject to the following sub-paragraphs;
- (b) categories i and ii are for cordless headphones or cordless loudspeakers;
- (c) category iii is for cordless headphones for use in vehicles;
- (d) category iv is for cordless headphones for use with personal stereo devices—

<i>Category</i>	<i>Frequencies or frequency band</i>	<i>Radiated level</i>	<i>Channel bandwidth</i>	<i>Music or speech permitted</i>	<i>Duty cycle</i>	<i>ETSI standard</i>
i	36.61-36.79 MHz 37.01-37.19 MHz	10 μ W erp	-	Yes	-	EN 300 220-1
ii	863-865 MHz	10 mW erp	\leq 300 kHz	Yes	-	EN 301 357
iii	863-865 MHz	2 mW erp	\leq 300 kHz	Yes	-	
iv	863-865 MHz	1 mW erp	\leq 300 kHz	Yes	-	

Video: Close Circuit Television.

21. Telecommunications apparatus designed or adapted—

- (a) for Television, so as to be capable of use only within either of the frequency bands, and at a radiated level not exceeding the maximum for such frequency bands, specified in the table below and subject to the following sub-paragraphs;
- (b) where required, associated Telephony may also be used within the specified frequency band;
- (c) music and speech are only permitted when associated with the video application;
- (d) category ii may also be used for airborne use-

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<i>Category</i>	<i>Frequencies or frequency band</i>	<i>Radiated level</i>	<i>Channel bandwidth</i>	<i>Music or speech permitted</i>	<i>ETSI standard</i>
i	1394 MHz	500 mW eirp	10 MHz	Yes	I-ETS 300 440
ii	2400-2483.5 MHz	10 mW eirp	20 MHz	Yes	

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SCHEDULE 6

Regulation 2(1)

PMR 446

PART I

INTERPRETATION

In this Schedule—

“ETS 300 296” means the European Telecommunications Standard ETS 300 296 published by ETSI in December 1994 and revised and reprinted in March 1997; and

“prescribed apparatus” means the apparatus known as “PMR 446” described in Part III of this Schedule.

PART II

ADDITIONAL TERMS, PROVISIONS AND LIMITATIONS

The prescribed apparatus shall be subject to and comply with the Common Technical Regulations in force, and in the absence of a Common Technical Regulation applying to such apparatus, the prescribed apparatus must—

- (a) be approved by the Gibraltar Regulatory Authority for the purposes of these Regulations; or
- (b) be approved to ETS 300 296 by a national administration following type testing at a test laboratory.

PART III

DESCRIPTION OF THE PRESCRIBED APPARATUS

Handportable telecommunications apparatus with an integral antenna designed or adapted in accordance with ETS 300 296-

Frequencies	Channel bandwidth	Maximum erp
446.00625 MHz	12.5 kHz	500 mW
446.01875 MHz	12.5 kHz	500 mW
446.03125 MHz	12.5 kHz	500 mW
446.04375 MHz	12.5 kHz	500 mW

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446.05625 MHz	12.5 kHz	500 mW
446.06875 MHz	12.5 kHz	500 mW
446.08125 MHz	12.5 kHz	500 mW
446.09375 MHz	12.5 kHz	500 mW

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Regulation 2(1)

INFRARED DEVICES

PART I

INTERPRETATION

In this Schedule—

“Infrared-communication” means telecommunication by electromagnetic waves of wavelengths arbitrarily between 0.7 μ .m. and 1000 μ .m. propagated in space without artificial guide.

PART II

ADDITIONAL TERMS, PROVISIONS AND LIMITATIONS

Unless there is a Common Technical Regulation in force in respect of the prescribed apparatus, such apparatus must be approved for the time being by the Gibraltar Regulatory Authority for the purposes of these Regulations.

PART III

DESCRIPTION OF THE PRESCRIBED APPARATUS

Infrared-communication apparatus designed or adapted for—

- (a) Emergency Service use;
- (b) Telemetry and Telecommand;
- (c) Alarms
 - (i) to detect movement;
 - (ii) to generate or indicate an alarm condition;
 - (iii) to arm or disarm the alarm system.
- (d) Measurement;
- (e) Video, Closed Circuit Television;
- (f) Audio applications;

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- (g) Short range data links, for use between two infrared devices at a maximum distance of 300m.

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