COMMONWEALTH OF DOMINICA

STATUTORY RULES AND ORDERS No. 30 of 2011

ARRANGEMENT OF REGULATIONS

REGULATION

1. Short title
2. Interpretation
3. Exemption
4. Terms, provisions and limitations
5. Inspection and restriction on use
6. General conditions of operation
7. Amendment
   SCHEDULE 1
   SCHEDULE 2
   SCHEDULE 3
   SCHEDULE 4
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1. These Regulations may be cited as the-

TELECOMMUNICATIONS (EXEMPTION) REGULATIONS 2011.

2. In these Regulations-

“the Act” means the Telecommunications Act 2000;

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

“authorised person” means any person authorised by the Commission for the purpose of regulation 5;

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

“Commission” means National Telecommunications Regulatory Commission established by the Telecommunications Act in an ECTEL Member State;

“Common Technical Regulations” means the applicable rule governing the connection of terminal equipment to telecommunications networks published by the Telecommunications Research and Action Centre and by the European Telecommunications Standard Institute
which is in force at the date of the publication of these regulations;

“eirp” means equivalent isotropically radiated power;

“erp” means effective radiated power; “DCS” means Digital Controlled Squeich.

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

“ETSI” means the European Telecommunications Standards Institute;

“FCC” means the Federal Communications Commission;

“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;

“low power device” means a restricted radiation device, exclusive of those employing conducted or guided radio frequency techniques, used for the transmission of signs, signals (including control signals), writing, images and sounds or intelligence of any nature by radiation of electromagnetic energy;

“public telecommunications network” means a telecommunication network used for the provision of telephone services to the public;

“radio frequency device” means a device that transmits or receives electromagnetic waves between 500 KHz and 300GHz;


“relevant apparatus” means the apparatus specified in Schedules
“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.

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

(2) The exemption in sub-regulation (1) shall not apply to relevant apparatus which is established, installed or used to provide or capable of providing a link between telecommunication apparatus, or a telecommunication network, and other such apparatus or network, which are used to provide a telecommunications service commercially to another person.

4. (1) The exemption provided for in these Regulations is 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 4.

(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.

5. (1) Where an authorised person has reasonable cause to believe that any relevant apparatus is not complying with Regulations 3 and 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 the apparatus to be inspected by that authorised person: and

(b) cause its use to -

(i) cease; or

(ii) be restricted in the manner specified by that authorised person,

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

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

6. (1) A person operating an exempted device does not have any vested or recognizable right to continue use of any given frequency by virtue of exemption under these regulations.

(2) The operator of a radio frequency device shall cease operating the device upon notification by a Commission representative that the device is causing harmful interference.

(3) The operator shall not resume use of the frequency device until the condition causing the harmful interference has been corrected.

(4) A person who operates a device in contravention of sub-regulations (2) and (3) of this regulation commits an offence and is liable, on summary conviction, to a fine not exceeding one thousand dollars.

7. (1) The Commission, may after consultation with ECTEL, make recommendations to the Minister to amend the Schedules.

(2) The Minister may, on receipt of a recommendation from the Commission amend the Schedules to these Regulations.
by Order.

SCHEDULE 1

NETWORK USER STATIONS

PART I

INTERPRETATION

In this Schedule-

“BABT” 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;

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

“relevant network” means a telecommunication network consisting exclusively of stations established and operated in accordance with a licence, which has been granted under section 31 of the Act and is of a type specified in Part III of this Schedule;

“user station” means a mobile station for telecommunications designed or adapted to be -

(a) connected by telecommunications to one or more relevant networks; and

(b) used solely for the purpose of sending and receiving messages conveyed by a relevant network by means of telecommunications;

“station” means one or more transmitters or receivers or a
combination of receivers or transmitters, including the accessory equipment, necessary at one location for carrying out a radio communication service or the radio astronomy service.

PART II

ADDITIONAL TERMS, PROVISIONS AND LIMITATIONS

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 Commission for the purposes of these Regulations;

(b) comply with the FCC standard referred to in Part 15 of the FCC Regulations; or

(c) be approved to the ETSI standards or the draft ETSI standards referred to in Part IV as appropriate by a Commission following type testing at a test laboratory.

PART III

TYPE OF LICENCE GRANTED IN ACCORDANCE WITH SECTION 31 OF THE TELECOMMUNICATIONS ACT 2000

1. Cellular Networks licensed for use in the following services on the relevant frequency bands-

(a) Public Mobile/Cellular telephone
2011 TELECOMMUNICATIONS S.R.O. 30

<table>
<thead>
<tr>
<th>Global System for Mobile communications (GSM)</th>
<th>880-915 MHz (MTx)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>925-960 MHz (BTx)</td>
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<tr>
<td>(b) Public Mobile/Cellular telephone</td>
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</tbody>
</table>

| Time Division multiple Access ‘A’ (TDMA ‘A’) | 824-834 MHz (MTx) |
|                                             | 869-879 MHz (BTx) |
| (c) Public Mobile/Cellular telephone        |                   |

| Global System for Mobile communications (GSM): | 1710-1785 MHz (MTx) |
|                                               | 1805-1880 MHz (BTx) |
| (d) Public Mobile/Cellular telephone          |                     |

| Global System for Mobile communications (GSM): | 1850-1910 MHz (MTx) |
|                                               | 1710-1785 MHz (BTx) |
| (d) Public Mobile/Cellular telephone          |                     |

2. Public access mobile radio systems licensed for use in the following frequency bands -

- 162-167 MHz
- 410-430 MHz
- 440-449 MHz

3. Land mobile systems licensed for use in the following frequency bands -

- 138-144 MHz
148–156MHz  
420-430 MHz  
440–456.675MHz

PART IV

COMMON TECHNICAL REGULATIONS AND STANDARDS

1. GSM


2. Public mobile data systems (410-430 MHz)


FCC Part 15.251

3. Digital Control Squelch (DCS)

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


Public access mobile radio systems.

ETS 300113 published by ETSI In July 1996.

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

4. Common base station systems

ETS 300 086

ETS 300 113

MPT 132

SCHEDULE 2  (Regulation 2)

CORDLESS TELEPHONE APPARATUS

PART I

INTERPRETATION

In this Schedule -

“data message” means a non-voice message;

“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 be approved -

(a) by the Commission for the purposes of these Regulations; or

(b) to the standards referred to in Part IV of this Schedule as appropriate by the Commission following type testing at a test laboratory.

PART III

DESCRIPTIONS OF THE PRESCRIBED APPARATUS

Analogue Cordless Telephone Apparatus

1. Apparatus consisting of a base station and one or more portable stations designed or adapted in accordance with FCC 15.233-

   (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-
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Analogue Cordless Telephone Apparatus

900 MHz Cordless Telephone
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2. Apparatus consisting of a base station and one or more portable stations designed or adapted in accordance with FCC Part 15.233-

(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 to operate on either of the pairs of frequencies set out below-

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<th>Portable station transmission frequency</th>
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3. Apparatus consisting of a base station and one or more portable stations designed or adapted in accordance with FCC Part 15.247-

(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 to operate on either of the frequencies set out below-
## 2.4 GHz Cordless Telephone

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PART IV
COMMON TECHNICAL REGULATIONS AND STANDARDS

CT1 - ETSI EN 301 796

The FCC Part 15 Regulations

SCHEDULE 3

LAND MOBILE-SATELLITE SERVICE STATIONS

PART I

INTERPRETATION

In this Schedule -


“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 EC 1Y 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

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 be approved -

(a) by the Commission for the purposes of these Regulations; or
(b) to the ETSI standards referred to in Part IV of this Schedule as appropriate by a Commission; or
(c) to the FCC Part 25 standard as appropriate by a Commission.
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.

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.
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.

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.

Italsat
Land Mobile Earth Stations in the Italsat 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.

PART IV

COMMON TECHNICAL REGULATIONS AND STANDARDS

Inmarsat

<table>
<thead>
<tr>
<th>Type of Inmarsat station</th>
<th>Maximum power (eirp)</th>
<th>ESTI stand (unless otherwise stated)</th>
<th>Date of publication</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>+34 dBW (+1/-2 dB)</td>
<td>TBR 44</td>
<td>May 1998</td>
</tr>
<tr>
<td>C</td>
<td>+16 dBW</td>
<td>TBR 26 edition 1</td>
<td>May 1998</td>
</tr>
<tr>
<td>D</td>
<td>+9 dBW</td>
<td>TBR 26 edition 1</td>
<td>E</td>
</tr>
<tr>
<td></td>
<td>Maximum power (eirp)</td>
<td>ETSI standard</td>
<td>Date of publication</td>
</tr>
<tr>
<td>----------------</td>
<td>----------------------</td>
<td>---------------</td>
<td>---------------------</td>
</tr>
<tr>
<td>Euteltracs (Omnitracs)</td>
<td>19 DBW</td>
<td>TBR 27 Januray 1998</td>
<td></td>
</tr>
</tbody>
</table>

**Italsat**

<table>
<thead>
<tr>
<th>Type of Italsat station</th>
<th>Maximum power (eirp)</th>
<th>ETSI standard</th>
<th>Date of publication</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMS-PPRODAT</td>
<td>12 dBW</td>
<td>TBR 26 edition 1</td>
<td>May 1998</td>
</tr>
<tr>
<td>EMS-MSSAT</td>
<td>11.5 dBW</td>
<td>TBR 44</td>
<td>May 1998</td>
</tr>
</tbody>
</table>

**Iridium**

Must comply with the 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**

Must comply with the 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 2.0 GHz frequency bands under the Mobile Satellite Service (MSS).
Globalslar
Must comply with the common technical regulations for Satellite Personal Communications Network (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).

SCHEDULE 4 (Regulation 2)

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;


“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;
“EN 301 091” means the European Telecommunications Standard EN 301 091 published by ETSI in June 1998;
FCC Part 15.231 means the telecommunications standard 15.231 for short range devices, SRD
FCC Part 15.233 means the telecommunications standard 15.231 for short range devices, SRD
FCC Part 15.235 means the telecommunications standard 15.231 for short range devices, SRD;
“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 ITU 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 be approved -

(a) by the Commission for the purposes of these Regulations; or

(b) to the ETSI standards or FCC Part 15 Regulations referred to in Part III of this Schedule as appropriate by the Commission 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

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:

<table>
<thead>
<tr>
<th>Frequencies or frequency band</th>
<th>Radiated level</th>
<th>Channel bandwith</th>
<th>Music or speech permitted</th>
<th>ETSI standard</th>
<th>FCC standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>49.82-49.98 Mhz</td>
<td>10 mW erp</td>
<td>10KHz</td>
<td>Yes</td>
<td>EN 300220-1</td>
<td>15.231 MHz</td>
</tr>
<tr>
<td>49.82-49.98 Mhz</td>
<td>10 mW erp</td>
<td>-</td>
<td>Yes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>433.05-434.79 Mhz</td>
<td>10 mW</td>
<td>-</td>
<td>Yes(on condition that no interference is caused to other users)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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 II 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;

   (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-
<table>
<thead>
<tr>
<th>Category</th>
<th>Frequencies or frequency band</th>
<th>Radiated level</th>
<th>Channel bandwidth</th>
<th>Music or speech</th>
<th>Duty cycle</th>
<th>ETSI Standard</th>
<th>FCC Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>i</td>
<td>26.995, 27.045, 27.095, 27.145, 27.195 MHz</td>
<td>1 mW erp</td>
<td>10kHz</td>
<td>No</td>
<td>-</td>
<td>EN 300 220-1</td>
<td>Part 15.231</td>
</tr>
<tr>
<td>ii</td>
<td>40.66-40.7 GHz</td>
<td>10 mW</td>
<td>-</td>
<td>No</td>
<td>-</td>
<td></td>
<td></td>
</tr>
<tr>
<td>iii</td>
<td>173.2-173.35 MHz</td>
<td>1 mW erp</td>
<td>12.5kHz</td>
<td>No</td>
<td>-</td>
<td></td>
<td></td>
</tr>
<tr>
<td>iv</td>
<td>173.2-173.35 MHz</td>
<td>1 mW erp</td>
<td>25 kHz</td>
<td>No</td>
<td>-</td>
<td></td>
<td></td>
</tr>
<tr>
<td>v</td>
<td>173.5875 MHz</td>
<td>10 mW</td>
<td>12.5 kHz</td>
<td>No</td>
<td>-</td>
<td></td>
<td></td>
</tr>
<tr>
<td>vi</td>
<td>417.9-418.1 MHz</td>
<td>250 mW</td>
<td>-</td>
<td>No</td>
<td>-</td>
<td></td>
<td></td>
</tr>
<tr>
<td>vii</td>
<td>433.05-434.79 MHz</td>
<td>10 mW</td>
<td>-</td>
<td>No</td>
<td>&lt;=</td>
<td></td>
<td></td>
</tr>
<tr>
<td>viii</td>
<td>868.868.6 MHz</td>
<td>25 mW erp</td>
<td>&lt;=25 kHz</td>
<td>No</td>
<td>&lt;=1%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ix</td>
<td>868.7-869.2 MHz</td>
<td>25 mW erp</td>
<td>&gt;=25 kHz</td>
<td>No</td>
<td>&lt;=10%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>x</td>
<td>869.3-869.4 MHz</td>
<td>10 mW erp</td>
<td>&lt;=25kHz</td>
<td>No</td>
<td>&lt;=10%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>xi</td>
<td>869.4-869.65 MHz</td>
<td>500 mW erp</td>
<td>&lt;=25 kHz</td>
<td>No</td>
<td>&lt;=10%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>xii</td>
<td>869.7-870 MHz</td>
<td>5 mW erp</td>
<td>&lt;=25kHz</td>
<td>No</td>
<td>up to 100%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>xiii</td>
<td>2400-2483.5 MHz</td>
<td>10 mW erp</td>
<td>&lt;=20MHz</td>
<td>Yes</td>
<td>-</td>
<td>I-ETS 300-440</td>
<td>Part 15.235</td>
</tr>
</tbody>
</table>
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)-

<table>
<thead>
<tr>
<th>Category</th>
<th>Frequencies or frequency band</th>
<th>Radiated level</th>
<th>Channel bandwith</th>
<th>Music or speech permitted</th>
<th>ETSI Standards</th>
<th>FCC</th>
</tr>
</thead>
<tbody>
<tr>
<td>i</td>
<td>173.2-173.35 MHz</td>
<td>10 mW erp</td>
<td>10kHz No</td>
<td>EN 300</td>
<td>Part</td>
<td></td>
</tr>
<tr>
<td>ii</td>
<td>173.2-173.35 MHz</td>
<td>10 mW erp</td>
<td>25 kWz No</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>iii</td>
<td>173.2-173.35 MHz</td>
<td>10 mW erp</td>
<td>-</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>iv</td>
<td>458.5-458.95 MHz</td>
<td>500 mW erp</td>
<td>12.5 kHz No</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>v</td>
<td>458.5-</td>
<td>500 mW</td>
<td>25 kHz No</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Telemetry: Data buoys

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-

<table>
<thead>
<tr>
<th>Frequencies or frequency Standard band</th>
<th>Radiated level</th>
<th>Channel bandwidth</th>
<th>Music or speech permitted</th>
<th>ETSI Standard</th>
<th>FCC</th>
</tr>
</thead>
<tbody>
<tr>
<td>35.3375, 35.3625, 35.3875, 35.4125, 35.4375, 35.4625 MHz</td>
<td>250 mW erp</td>
<td>25 kHz</td>
<td>No</td>
<td>EN 300 220-1</td>
<td>Part 15.231</td>
</tr>
</tbody>
</table>

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 isi, channel numbers 1 to 11 are available with channel centre frequency of 173.7 MHz + (channel bandwidth x channel number);
In category v, for use with ultra low power active medical implants only;

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);

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);

In categories ii, iii, vi and viii, these bands may also be used in an airborne application for the tracking of birds.

<table>
<thead>
<tr>
<th>Category</th>
<th>Frequencies or frequency band</th>
<th>Radiated level</th>
<th>Channel bandwidth</th>
<th>Music or speech permitted</th>
<th>ETSI Standard</th>
<th>FCC Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>i</td>
<td>300 kHz-30 MHz</td>
<td>9dBmA/m@10m</td>
<td>-</td>
<td>No</td>
<td>EN 300 330</td>
<td>Part 15.231</td>
</tr>
<tr>
<td>ii</td>
<td>173.7-174 MHz</td>
<td>10 mW erp</td>
<td>12.5 kHz</td>
<td>No</td>
<td>EN 300 220-1</td>
<td>Part 15.231</td>
</tr>
<tr>
<td>iii</td>
<td>173.7-174 MHz</td>
<td>10 mW erp</td>
<td>25 kHz</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>iv</td>
<td>173.7-174 MHz</td>
<td>10 mW erp</td>
<td>-</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>v</td>
<td>402-405 MHz</td>
<td>25 mW erp</td>
<td>300 kHz</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>vi</td>
<td>458.9625-459.1000 MHz</td>
<td>10 mW erp</td>
<td>12.5 kHz</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>vii</td>
<td>458.9625-459.1000 MHz</td>
<td>500 mH erp</td>
<td>12.5 kHz</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>viii</td>
<td>458.9625-459.1000 MHz</td>
<td>10 mW erp</td>
<td>25 kHz</td>
<td>No</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Frequency band</th>
<th>Power</th>
<th>Antenna</th>
<th>Channel Spacing</th>
</tr>
</thead>
<tbody>
<tr>
<td>2445-2483.5 MHz</td>
<td>100mW erp For direct sequence spread spectrum, maximum spectrum power density is limited to -20dBW/1 MHz</td>
<td>Integra! (no external antenna socket) or dedicated</td>
<td>No channel spacing - the whole stated frequency band may be used.</td>
</tr>
<tr>
<td>For frequency hopping spread spectrum, the maximum spectrum power density is limited to -10dBW/100 kHz</td>
<td></td>
<td></td>
<td>Minimum data rate 250 kbits/s</td>
</tr>
</tbody>
</table>

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
   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.

<table>
<thead>
<tr>
<th>Category</th>
<th>Frequencies or frequency band</th>
<th>Radiated level</th>
<th>Channel bandwidth</th>
<th>Music or speech permitted</th>
<th>ETSI Standard</th>
<th>FCC Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>i</td>
<td>888.0-889.0 MHz</td>
<td>500 mW erp</td>
<td>25 kHz</td>
<td>No</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>ii</td>
<td>2445-2455 MHz</td>
<td>500 mW eirp</td>
<td>-</td>
<td>No</td>
<td>I-ETS</td>
<td>15.235</td>
</tr>
<tr>
<td>iii</td>
<td>10.577-10.597 GHz</td>
<td>1 W eirp</td>
<td>-</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>iv</td>
<td>10.675-10.699 GHz</td>
<td>1 W eirp</td>
<td>-</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>v</td>
<td>13.4-14.0 GHz</td>
<td>500 mW eirp</td>
<td>-</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>vi</td>
<td>24.150-24.250 GHz</td>
<td>2 W eirp</td>
<td>-</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>vii</td>
<td>24.250-24.350 GHz</td>
<td>2 W eirp</td>
<td>-</td>
<td>No</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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-

<table>
<thead>
<tr>
<th>Category</th>
<th>Frequencies or frequency band</th>
<th>Radiated level</th>
<th>Channel bandwidth</th>
<th>Music or speech permitted</th>
<th>Duty cycle</th>
<th>ESTI Standard</th>
<th>FCC Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>i</td>
<td>5795-5805 MHz</td>
<td>&lt;= 2 W eirp</td>
<td>-</td>
<td>No</td>
<td>-</td>
<td>EN 300</td>
<td>Part 15.223</td>
</tr>
<tr>
<td>ii</td>
<td>5805-5815 MHz</td>
<td>&lt;= 2 W eirp</td>
<td>-</td>
<td>No</td>
<td>-</td>
<td>I-ETS</td>
<td>Part 15.235</td>
</tr>
<tr>
<td>iii</td>
<td>5805-5815 MHz</td>
<td>&lt;= 2 W eirp</td>
<td>-</td>
<td>No</td>
<td>-</td>
<td>I-ETS</td>
<td>300440</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Frequencies or frequency band</th>
<th>Radiated level</th>
<th>Channel bandwidth</th>
<th>Music or speech permitted</th>
<th>Duty Cycle</th>
<th>ESTI Standard</th>
<th>FCC Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>76-77 GHz</td>
<td>&lt;= 55 dBm peak power</td>
<td>-</td>
<td>No</td>
<td>-</td>
<td>EN 301 091</td>
<td>Part 15.205</td>
</tr>
</tbody>
</table>
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-

<table>
<thead>
<tr>
<th>Frequencies or frequency band</th>
<th>Radiated level</th>
<th>Channel bandwidth</th>
<th>Music or speech permitted</th>
<th>Duty Cycle</th>
<th>ETSI Standard</th>
<th>FCC Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>9-30 kHz</td>
<td>72 dBµA/m @ 10 m</td>
<td>-</td>
<td>No</td>
<td>-</td>
<td>EN 300 330</td>
<td>part 15.213</td>
</tr>
<tr>
<td>9-185 kHz</td>
<td>48 dBµA/m @ 10 m</td>
<td>-</td>
<td>Yes (music not permitted)</td>
<td>-</td>
<td></td>
<td></td>
</tr>
<tr>
<td>30-59.75 kHz</td>
<td>72 dBµA/m descending 3.5 dB/ octave above 30 kHz</td>
<td>-</td>
<td>No</td>
<td>-</td>
<td></td>
<td></td>
</tr>
<tr>
<td>59.75-60.25 kHz</td>
<td>42 dBµA/m</td>
<td>-</td>
<td>No</td>
<td>-</td>
<td></td>
<td></td>
</tr>
<tr>
<td>60.25-70 kHz</td>
<td>72 dBµA/m A/m descending 3.5 dB/ octave above 30 kHz</td>
<td>-</td>
<td>No</td>
<td>-</td>
<td></td>
<td></td>
</tr>
<tr>
<td>70-119 kHz</td>
<td>42 dBµA/m @ 10 m</td>
<td>-</td>
<td>No</td>
<td>-</td>
<td></td>
<td></td>
</tr>
<tr>
<td>119-135 kHz</td>
<td>72 dBµA/m A/m descending 3.5 dB/ octave above 30 kHz</td>
<td>-</td>
<td>No</td>
<td>-</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Frequencies or frequency band</td>
<td>Radiated level</td>
<td>Channel bandwidth</td>
<td>Music or speech permitted</td>
<td>Duty Cycle</td>
<td>ETSI Standard</td>
<td>FCC Standard</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>----------------</td>
<td>-------------------</td>
<td>---------------------------</td>
<td>------------</td>
<td>---------------</td>
<td>--------------</td>
</tr>
<tr>
<td>240-315 kHz</td>
<td>24 dBµA/m @ 10 m</td>
<td>-</td>
<td>No</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>2-30 MHz</td>
<td>-9.5 dBµA/m @ 10 m</td>
<td>-</td>
<td>Yes (speech only)</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>2-30 MHz</td>
<td>9 dBµA/m @ 10 m</td>
<td>-</td>
<td>No</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>5.765-6.795 MHz</td>
<td>42 dBµA/m @ 10 m</td>
<td>-</td>
<td>No</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>7.4-8.8 MHz</td>
<td>9 dBµA/m @ 10 m</td>
<td>-</td>
<td>No</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>13.533-13.587 MHz</td>
<td>21.5 dBµA/m @ 10 m</td>
<td>-</td>
<td>No</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>13.553-13.567 MHz</td>
<td>42 dBµA/m @ 10 m</td>
<td>-</td>
<td>No</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>26.957-27.283 MHz</td>
<td>42 dBµA/m @ 10 m</td>
<td>-</td>
<td>No</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

**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,

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-
<table>
<thead>
<tr>
<th>Frequencies or frequency band</th>
<th>Radiated level</th>
<th>Channel bandwidth</th>
<th>Music or speech permitted</th>
<th>ESTI Standard</th>
<th>FCC Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>9-148.5 kHz</td>
<td>70dBuA/m @6m</td>
<td>-</td>
<td>No</td>
<td>EN 300 330</td>
<td>Part 15.213</td>
</tr>
</tbody>
</table>

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-

<table>
<thead>
<tr>
<th>Frequencies or frequency band</th>
<th>Radiated level</th>
<th>Channel bandwidth</th>
<th>Music or speech</th>
<th>Duty Cycle</th>
<th>ETSI Standard</th>
<th>FCC Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>868.-868.7 MHz</td>
<td>10 m W erp</td>
<td>&lt;= 25 kHz</td>
<td>No</td>
<td>&lt;=0.1%</td>
<td>EN 300 220</td>
<td>Part 15.209</td>
</tr>
<tr>
<td>869.250-869.3 MHz</td>
<td>10 mW erp</td>
<td>&lt;=25 kHz</td>
<td>No</td>
<td>&lt;=0.1%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>869.65-869.7 MHz</td>
<td>25 mW erp</td>
<td>&lt;= 25 kHz</td>
<td>No</td>
<td>&lt;= 10%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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-

<table>
<thead>
<tr>
<th>Frequencies or frequency band</th>
<th>Radiated level</th>
<th>Channel bandwidth</th>
<th>Music speech permitted</th>
<th>Duty Cycle</th>
<th>ETSI Standard</th>
<th>FCC Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>27.450, 34.925, 34.950, 34.975 MHz</td>
<td>500 µW erp</td>
<td>12.5 kHz</td>
<td>No</td>
<td>-</td>
<td>EN 300 220-1</td>
<td>Part 15.209</td>
</tr>
<tr>
<td>869.2-869.25 MHz</td>
<td>10 m W erp</td>
<td>&lt;=25 kHz</td>
<td>No</td>
<td>&lt;=0.1%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Alarms: Vehicle paging.

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 m W-

<table>
<thead>
<tr>
<th>Category</th>
<th>Frequencies or frequency band</th>
<th>Radiated level</th>
<th>Channel bandwidth</th>
<th>Music speech permitted</th>
<th>ETSI Standard</th>
<th>FCC Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>i</td>
<td>47.4MHz</td>
<td>100mW erp erp</td>
<td>12.5 kHz</td>
<td>No</td>
<td>EN 300 220-1</td>
<td>Part 15.209</td>
</tr>
<tr>
<td>ii</td>
<td>458.90 MHz</td>
<td>100mW erp</td>
<td>12.5 kHz</td>
<td>No</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Frequencies or frequency band</th>
<th>Radiated level</th>
<th>Channel bandwidth</th>
<th>Music or speech permitted</th>
<th>ETSI Standard</th>
<th>FCC Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>161.275 MHz</td>
<td>10 mW erp</td>
<td>12.5 kHz</td>
<td>No</td>
<td>EN 300 220-1</td>
<td>Part 15.209</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Frequencies or frequency band</th>
<th>Radiated level</th>
<th>Channel bandwidth</th>
<th>Music or speech permitted</th>
<th>ETSI Standard</th>
<th>FCC Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>173.1875 MHz</td>
<td>10 mW erp</td>
<td>12.5 kHz</td>
<td>No</td>
<td>EN 300 220-1</td>
<td>Part 15.209</td>
</tr>
<tr>
<td>458.8375 MHz</td>
<td>100 mW erp</td>
<td>12.5 kHz</td>
<td>No</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Alarms: Fixed

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-

<table>
<thead>
<tr>
<th>Frequencies or frequency band</th>
<th>Radiated level</th>
<th>Channel bandwidth</th>
<th>Music speed permitted</th>
<th>ETSI Standard</th>
<th>FCC Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>173.225 MHz</td>
<td>10 mWerp</td>
<td>12.5 kHz</td>
<td>No</td>
<td>EN 300220-1</td>
<td>Part 15.209</td>
</tr>
<tr>
<td>173.225 MHz</td>
<td>10 mWerp</td>
<td>25 kHz</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>458.825 MHz</td>
<td>100 mWerp</td>
<td>12.5 kHz</td>
<td>No</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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-
### Radio Microphones

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:

<table>
<thead>
<tr>
<th>Category</th>
<th>Frequencies or frequency band</th>
<th>Radiated level</th>
<th>Channel bandwidth</th>
<th>Music speech permitted</th>
<th>ETSI Standard</th>
<th>FCC Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>i</td>
<td>26.96-27.28 MHz</td>
<td>100 mW, 10 kHz</td>
<td>No</td>
<td>EN 300 220-1</td>
<td>Part 15.209</td>
<td></td>
</tr>
<tr>
<td>ii</td>
<td>34.995-35.255 MHz</td>
<td>100 mW, 10 kHz</td>
<td>No</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>iii</td>
<td>40.66-41.00 MHz</td>
<td>100 mW, 10 kHz</td>
<td>No</td>
<td>Part 15.231</td>
<td></td>
<td></td>
</tr>
<tr>
<td>iv</td>
<td>433.05-434.79 MHz</td>
<td>10 mW, 25 kHz</td>
<td>No</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>v</td>
<td>458.5-459.5 MHz</td>
<td>100 mW, 25 kHz</td>
<td>No</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 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

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

**Wireless Audio Applications**

20. Telecommunications apparatus designed or adapted-
(a) for telephone, 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;

(e) category v is for cordless devices used for transmitting the audio output from a television receiver to a radio receiving device.

<table>
<thead>
<tr>
<th>Category</th>
<th>Frequencies or frequency band</th>
<th>Radiated level</th>
<th>Channel band</th>
<th>Music or speech permitted</th>
<th>Duty Standard</th>
<th>ETSI Standard</th>
<th>FCC Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>i</td>
<td>36.61-36.79 MHz, 37.01-37.19 MHz</td>
<td>10 µW erp</td>
<td>-</td>
<td>Yes -</td>
<td>EN 300 220-1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ii</td>
<td>863-865 MHz</td>
<td>10 mW erp</td>
<td>&lt;=300 kHz</td>
<td>Yes -</td>
<td>EN 301 357</td>
<td></td>
<td></td>
</tr>
<tr>
<td>iii</td>
<td>863-865 MHz</td>
<td>2 mW erp</td>
<td>&lt;=300 kHz</td>
<td>Yes -</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>iv</td>
<td>863-865 MHz</td>
<td>1 mW erp</td>
<td>&lt;=300 kHz</td>
<td>Yes -</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>V</td>
<td>88-108 MHz</td>
<td>62 raW</td>
<td>&lt;=300 kHz</td>
<td>Yes -</td>
<td></td>
<td></td>
<td>15.201</td>
</tr>
</tbody>
</table>

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-

<table>
<thead>
<tr>
<th>Category</th>
<th>Frequencies or frequency band</th>
<th>Radiated level</th>
<th>Channel bandwidth</th>
<th>Music speech permitted</th>
<th>ETSI Standard</th>
<th>FCC Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>i</td>
<td>1394 MHz</td>
<td>500 mW eirp</td>
<td>10 MHz</td>
<td>Yes</td>
<td>I-ETS</td>
<td>15.235</td>
</tr>
<tr>
<td>ii</td>
<td>2400-2483.5 MHz</td>
<td>10 mW eirp</td>
<td>20 MHz</td>
<td>Yes</td>
<td>15.201</td>
<td></td>
</tr>
</tbody>
</table>

Bluetooth Devices

22. Telecommunications apparatus designed or adapted-

(a) to connect low-cost wireless communications and networking
between personal computers, mobile phones & other devices

(b) to connect peripheral devices by wireless data transmission to a
computer

<table>
<thead>
<tr>
<th>Category</th>
<th>Frequencies or frequency band</th>
<th>Radiated level</th>
<th>Channel bandwidth</th>
<th>Music speech permitted</th>
<th>ETSI Standard</th>
<th>FCC Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>i</td>
<td>2.400-2.483 MHz</td>
<td>100 mW eirp</td>
<td>1 MHz</td>
<td>Yes</td>
<td>ETS 300 440</td>
<td>Part 15.247</td>
</tr>
<tr>
<td>ii</td>
<td>2400-2483 MHz</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
WiFi Devices

23. Telecommunications apparatus designed or adapted to receive wireless Internet on laptop computers

<table>
<thead>
<tr>
<th>Category</th>
<th>Frequencies or frequency band</th>
<th>Radiated level</th>
<th>Channel bandwidth</th>
<th>Music speech permitted</th>
<th>ETSI Standard</th>
<th>FCC Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>i</td>
<td>2.400-2.483 MHz</td>
<td>1000 mW eirp</td>
<td>5 MHz</td>
<td>Yes</td>
<td></td>
<td>Part 15.247</td>
</tr>
</tbody>
</table>

**SCHEDULE 5** (Regulation 2)

**Personal Mobile Radio (PMR) 446**

**PART I**

**INTERPRETATION**

In this Schedule-

“ETS 300 446 “ means the European Telecommunications Standard ETS 300 446 published by ETSI in December 1994 and revised and reprinted in March 1997; and

“prescribed apparatus” means the apparatus known as personal mobile radio (“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 Commission for the purposes of these Regulations; or
(b) be approved to ETS 300 446 by a Commission following type testing at a test laboratory.

PART III

DESCRIPTION OF THE PRESCRIBED APPARATUS

Personal Mobile Radio operating in the 446 MHz Band in accordance with ETS 300 [ ] 6-

<table>
<thead>
<tr>
<th>Frequencies</th>
<th>Channel bandwidth</th>
<th>Maximum erp</th>
</tr>
</thead>
<tbody>
<tr>
<td>446.00625 MHz</td>
<td>12.5 kHz</td>
<td>500mW</td>
</tr>
<tr>
<td>446.01875 MHz</td>
<td>12.5 kHz</td>
<td>500mW</td>
</tr>
<tr>
<td>446.03125 MHz</td>
<td>12.5 kHz</td>
<td>500mW</td>
</tr>
<tr>
<td>446.04375 MHz</td>
<td>12.5 kHz</td>
<td>500mW</td>
</tr>
<tr>
<td>446.05625 MHz</td>
<td>12.5 kHz</td>
<td>500mW</td>
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<tr>
<td>446.06875 MHz</td>
<td>12.5 kHz</td>
<td>500mW</td>
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<tr>
<td>446.08125 MHz</td>
<td>12.5 kHz</td>
<td>500mW</td>
</tr>
<tr>
<td>446.09375 MHz</td>
<td>12.5 kHz</td>
<td>500mW</td>
</tr>
</tbody>
</table>

SCHEDULE 6

(Regulation 2)

INFRARED DEVICES

PART I

INTERPRETATION

In this Schedule-

“Infrared-communication” means telecommunication by
electromagnetic waves of wavelengths arbitrarily between 0.7 \( \mu \text{m} \) and 1000 \( \mu \text{m} \) propagated in space without artificial guide.

PART D

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

SCHEDULE 7  
(Regulation 2)

DIGITAL APPARATUS

PART 1

Interpretation

1. In this Schedule

“Class A digital apparatus” means an apparatus that is marketed for use in a commercial, industrial or business environment, exclusive of an apparatus which is marketed for use by the general public or is intended to be used in the home;

“Class B digital apparatus” means an apparatus that is marketed for use in a residential environment notwithstanding use in commercial, business and industrial environments;

“Intentional radiator” means an apparatus that intentionally generates and emits radio frequency energy by radiation or induction;

“Unintentional radiator” means an apparatus or system that generates and uses timing signals or pulses at a rate in excess of 9,000 pulses (cycles) per second and uses digital techniques; inclusive of telephone equipment that uses digital techniques or any apparatus or system that generates and uses radio frequency energy for the purpose of performing data processing functions such as electronics computations, operations, transformations, recording, filing, sorting, storage, retrieval or transfer.
PART II

ADDITIONAL TERMS, PROVISIONS AND LIMITATIONS

For all exempted equipment:

1. The exemption applies to the unintentional radiators for Class A and Class B digital apparatus as well as intentional radiators.

2. The level of radiation and conducted emissions limits should be for the Class B digital apparatus.

PART III

DESCRIPTIONS OF THE RELEVANT APPARATUS

1. Unintentional radiators
These apparatus do not intentionally generate radio frequencies emissions and include:

   a) personal computers;
   b) peripherals;
   c) receivers, radios;
   d) TV sets, and
   e) cable TV home terminals

2. Intentional Radiators
Intentional radiators must either have a permanently attached antenna or provide a unique coupler to prevent the use of unauthorized antennas and include:

   a) cable-locating equipment;
2. Digital apparatus

These include apparatus:

\(a\) operating in the 1910-1930 MHz frequencies bands in accordance with FCC Part 15 Subpart D;

\(b\) operating in the 5.15 - 5.35 GHz, 5.47 - 5.725 GHz, and 5.725 - 5.825 GHz bands in accordance with the standards in the FCC Part 15 Subpart E;

\(c\) providing access for broadband over Power Line (ABPL) apparatus operating in the 1.705-80 MHz band over medium or low voltage lines in accordance with the standards in the FCC Part 15 Subpart G.

3. Digital apparatus designed or adapted

\(a\) exclusively for transportation vehicles;

\(b\) for electronic control of power systems;

\(c\) to use as an appliance such as microwave, dishwasher, or clothes dryer, with power consumption not .6 nW, generating emissions < 1.745 MHz and operating from AC power line; or
(d) for use as specialised medical equipment under the supervision of a licensed health care practitioner.

Made this 24th day of October, 2011.

AMBROSE GEORGE

Minister for Telecommunication

DOMINICA

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