

TELECOMMUNICATIONS ACT
(CHAPTER 323)

TELECOMMUNICATIONS (EXEMPTION FROM SECTIONS 33,
34(1)(B) AND 35) NOTIFICATION

ARRANGEMENT OF PARAGRAPHS

Paragraph

1. Citation
 2. Exemption
- The Schedule
-

[2nd March 2001]

Citation

1. This Notification may be cited as the Telecommunications (Exemption from sections 33, 34(1)(b) and 35) Notification.

Exemption

2. Sections 33, 34(1)(b) and 35 of the Act shall not apply to any person in respect of —

- (a) the possession, establishment, installation, maintenance, provision or operation of any network or station as defined in the Telecommunications (Radio-communication) Regulations (Rg 5) where the person has been permitted by the Authority to use any radio frequency band in respect of the network or station under regulation 75 of those Regulations; and
- (b) the localised on-site installation or operation of the equipment specified in the Schedule.

THE SCHEDULE

Paragraph 2(b)

**EXEMPTION IN RESPECT OF
LOCALISED ON-SITE OPERATION OF EQUIPMENT***

| <i>Equipment</i> | <i>Authorised Radio Frequency Bands</i> | <i>Maximum Approved Field Strength or Power</i> |
|---|--|---|
| 1. CB Walkie Talkie Transceivers | 26.96 – 27.28 MHz | 500 mW ERP |
| 2. Multi-channel Walkie Talkie Transceivers | 446.00 — 446.10 MHz 477.00 — 477.25 MHz | 500 mW ERP 500 mW ERP |
| 3. Wireless Microphones | 0.51 – 1.60 MHz 40.66 – 40.70 MHz 88.00 – 108.00 MHz 180.000 – 200.000 MHz 470.00 – 806.00 MHz | 57 dB μ V/m @ 3m 65 dB μ V/m @ 10m 60 dB μ V/m @ 10m 112 dB μ V/m @ 10m 10 mW ERP |
| 4. CB Band Radio Paging Systems | 26.96 – 27.28 MHz 40.66 – 40.70 MHz | 500 mW ERP 500 mW ERP |
| 5. Induction Loop Communication Systems | 0.016 – 0.150 MHz 0.150 – 5.000 MHz 6.765 – 6.795 MHz 7.400 – 8.800 MHz | 66 dB μ A/m @ 10m 13.5 dB μ A/m @ 10m 42 dB μ A/m @ 10m 9 dB μ A/m @ 10m |
| 6. VHF Radio Paging System | 151.125 MHz 151.150 MHz | 1,000 mW ERP 1,000 mW ERP |
| 7. Radio Detection and Alarm Systems — | 0.016 – 0.150 MHz 13.553 – 13.567 MHz 26.96 – 27.28 MHz | 100 dB μ V/m @ 3m 94 dB μ V/m @ 10m 500 mW ERP |

*Other low power equipment that operate in radio frequency bands other than those listed, but which meet the output power limits specified for the same type of equipment are exempted from licensing as long as both the output power limits and the radio frequency bands are approved by the Authority

THE SCHEDULE — *continued*

| | | | |
|---|---------------------------------------|---|---------------------|
| (a) Car Theft Alarm Systems | 146.35 – 146.50 MHz | 100 mW ERP | |
| | 240.15– 240.30 MHz | 100mW ERP | |
| | (b) Burglar Alarm Systems | 300.00– 300.30 MHz | 100mW ERP |
| | | 312.00 – 316.00 MHz | 100mW ERP |
| | (c) Field Disturbance Sensing Devices | 444.40 – 444.80 MHz | 100mW ERP |
| | | (d) Other Miscellaneous Radio Detection and Alarm Systems | 868.10 – 869.00 MHz |
| | 10.50 – 10.55 GHz | | 117 dBµV/m @ 10m |
| 8. Medical and Biological Telemetry Devices | 9.000 – 315.000 kHz | 30 dBµA/m @ 10m | |
| | 40.500 – 41.000 MHz | 0.01 mW ERP | |
| | 216.00 – 217.00 MHz | 100 mW ERP | |
| | 454.000 – 454.500 MHz | 2 mW ERP | |
| | 1,427.00 – 1,432.00 MHz | 100 mW ERP | |
| | 1,427.00 – 1,432.00 MHz | 25 µW ERP | |
| | All other frequencies | | |
| 9. Wireless Modem | 72.080 MHz | 1,000 mW ERP | |
| | 72.200 MHz | 1,000 mW ERP | |
| | 72.400 MHz | 1,000 mW ERP | |
| | 72.600 MHz | 1,000 mW ERP | |
| | 158.275/162.875 MHz | 1,000 mW ERP | |
| | 158.325/162.925 MHz | 1,000 mW ERP | |
| | 453.7250/458.7250 MHz | 1,000 mW ERP | |
| | 453.7375/458.7375 MHz | 1,000 mW ERP | |
| | 453.7500/458.7500 MHz | 1,000 mW ERP | |
| | 453.7625/458.7625 MHz | 1,000 mW ERP | |

THE SCHEDULE — *continued*

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|--|--------------------------|----------------------------|
| 10. Radio Telemetry Equipment | 26.96 – 27.28 MHz | 500 mW ERP |
| | 29.700 – 30.000 MHz | 500 mW ERP |
| 11. Remote Control Devices — (a) Garage Door Openers (b) Cameras (c) Toys and Robots (d) Battery-operated Cars and Boats (e) TV Receivers/ Radio Systems (f) Other Miscellaneous Remote Control Devices | 26.96 – 27.28 MHz | 100 mW ERP |
| | 34.995 – 35.225 MHz | 100 mW ERP |
| | 40.665 – 40.695 MHz | 500 mW ERP |
| | 40.770 – 40.830 MHz | 500 mW ERP |
| | 72.130– 72.210 MHz | 500 mW ERP |
| | | |
| 12. Cordless Telephones or Wireless PABX | 1.605 – 1.800 MHz | 94 dB μ V/m@ 3m |
| | 40.00 – 40.50 MHz | 57 dB μ V/m@ 3m |
| | 46.50 - 47.00 MHz | 90 dB μ V/m @ 3m |
| | 49.50 - 50.00 MHz | 90 dB μ V/m @ 3m |
| | 1,880.00 - 1,900 MHz | 250 mW EIRP |
| 13. Wireless LAN, RFID or Low Power Devices | 433.05–434.79 MHz | 10 mW ERP |
| | 819.00–823.00 MHz | 100 mW ERP |
| | 866.00–869.00 MHz | 500 mW ERP |
| | 920.00–925.00 MHz | 500 mW ERP |
| | 1,880.00–1,900.00 MHz | 250 mW EIRP 200 mW EIRP |
| | 2,400.00–2,483.50 MHz | 200 mW EIRP |
| | 5,150.00–5,350.00 MHz | 200 W EIRP 1 W EIRP |
| | 5,470.00–5,725.00 MHz | 500 mW EIRP 500 mW EIRP |
| | 5,725.00–5,875.00 MHz | 100 mW EIRP |
| | 18,820–18,870 MHz | 10 W EIRP |

THE SCHEDULE — *continued*

| | | |
|---|--|---|
| | 19,160–19,210 MHz 24,000–24,250 MHz 57,000–66,000 MHz | |
| 14. Stand-alone GPS Receivers | 1,575.420 MHz | |
| 15. Communication Receivers (excluding scanning devices) and Microwave Multipoint Distribution Systems (MMDS) Receivers | 2,505.250 MHz 2,521.250 MHz 2,537.250 MHz 2,553.250 MHz 2,569.250 MHz 2,601.250 MHz 2,617.250 MHz 2,633.250 MHz 2,649.250 MHz 2,665.250 MHz | |
| 16. Short Range Radar System | 76.00 – 77.00 GHz | 5W EIRP for vehicle in motion 250 mW EIRP for stationary vehicle |
| 17. Hearing Aids and Audio Assistance Aids | 169.40 – 175.00 MHz | 500 mW ERP |
| 18. Ultra-Wideband Devices | Below 1.60 GHz 1.60 – 2.70 GHz 2.70 – 3.40 GHz 3.40 – 4.20 GHz 4.20 – 4.80 GHz 4.80 – 6.00 GHz 6.00 – 9.00 GHz | -90 dBm/MHz -85 dBm/MHz -70 dBm/MHz -41.3 dBm/MHz with interference mitigation techniques, otherwise -70 dBm/MHz -41.3 dBm/MHz -70 dBm/MHz -41.3 dBm/MHz |

*Telecommunications (Exemption
from Sections 33, 34(1)(b) and
35) Notification*

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THE SCHEDULE — *continued*

| | | |
|--|-------------------|---------------|
| | 9.00 – 10.60 GHz | -65 dBm/MHz |
| | 10.60 – 21.65 GHz | -85 dBm/MHz |
| | 21.65 – 29.50 GHz | -41.3 dBm/MHz |
| | 29.50 – 77.00 GHz | -85 dBm/MHz |
| | 77.00 – 81.00 GHz | -3 dBm/MHz |
| | Above 81.00 GHz | -85 dBm/MHz |

[S 591/2003 wef 15/12/2003]

[S 651/2004 wef 28/10/2004]

[S 265/2006 wef 18/05/2006]

[S 1/2008 wef 02/01/2008]

[S 179/2011 wef 01/04/2011]

[S 252/2013 wef 25/04/2013]

[G.N. Nos. S 115/2001; S 525/2001]

LEGISLATIVE HISTORY
TELECOMMUNICATIONS (EXEMPTION FROM SECTIONS 33,
34(1)(b) AND 35) NOTIFICATION
(CHAPTER 323, N 1)

This Legislative History is provided for the convenience of users of the Telecommunications (Exemption from Sections 33, 34(1)(b) and 35) Notification. It is not part of the Notification.

1. G. N. No. S 115/2001 — Telecommunications (Exemption from sections 33, 34(1)(b) and 35) Notification 2001

Date of commencement : 2 March 2001

2. G. N. No. S 525/2001 — Telecommunications (Exemption from sections 33, 34(1)(b) and 35) (Amendment) Notification 2001

Date of commencement : 17 October 2001

3. 2002 Revised Edition — Telecommunications (Exemption from sections 33, 34(1)(b) and 35) Notification

Date of operation : 30 September 2002

4. G. N. No. S 591/2003 — Telecommunications (Exemption from sections 33, 34(1)(b) and 35) (Amendment) Notification 2003

Date of commencement : 15 December 2003

5. G. N. No. S 651/2004 — Telecommunications (Exemption from sections 33, 34(1)(b) and 35) (Amendment) Notification 2004

Date of commencement : 28 October 2004

6. G. N. No. S 265/2006 — Telecommunications (Exemption from sections 33, 34(1)(b) and 35) (Amendment) Notification 2006

Date of commencement : 18 May 2006

7. G. N. No. S 1/2008 — Telecommunications (Exemption from sections 33, 34(1)(b) and 35) (Amendment) Notification 2008

Date of commencement : 2 January 2008

8. G. N. No. S 179/2011 — Telecommunications (Exemption from Sections 33, 34(1)(b) and 35) (Amendment) Notification 2011

Date of commencement : 1 April 2011

9. G.N. No. S 252/2013 — Telecommunications (Exemption from sections 33, 34(1)(b) and 35) (Amendment) Notification 2013

Date of commencement : 25 April 2013