

TELECOMMUNICATIONS ACT
(CHAPTER 323)

TELECOMMUNICATIONS
(EXEMPTION FROM SECTIONS 53, 54(1)(B) AND 55)
NOTIFICATION

ARRANGEMENT OF PARAGRAPHS

Paragraph

1. Citation
 2. Exemption
The Schedules
-

[30th September 2002]

Citation

1. This Notification may be cited as the Telecommunications (Exemption from sections 53, 54(1)(b) and 55) Notification.

[S 588/2023 wef 31/12/2021]

Exemption

2. Sections 53, 54(1)(b) and 55 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;

[S 726/2014 wef 01/11/2014]

- (b) the installation or operation of the equipment specified in the First Schedule;

[S 726/2014 wef 01/11/2014]

[S 588/2023 wef 01/09/2023]

- (c) the installation of an equipment specified in the Second Schedule, where the installation is in accordance with the technical specifications on white space devices published by the Authority at <https://www.imda.gov.sg>; and

[S 726/2014 wef 01/11/2014]

[S 588/2023 wef 01/09/2023]

- (d) the operation of an equipment specified in the Second Schedule, where the operation is in accordance with the technical specifications on white space devices published by the Authority at <https://www.imda.gov.sg>.

[S 726/2014 wef 01/11/2014]

[S 588/2023 wef 01/09/2023]

[S 588/2023 wef 31/12/2021]

FIRST SCHEDULE

Paragraph 2(b)

EXEMPTION IN RESPECT OF INSTALLATION OR 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 446.3250 – 446.4750 MHz	500 mW ERP 500 mW ERP
3. Wireless Microphones	0.51 – 1.60 MHz 29.70 – 30.00 MHz 40.66 – 40.70 MHz 88.00 – 108.00 MHz 180.00 – 200.00 MHz 470.00 – 534.00 MHz	57 dBµV/m @ 3m 10 mW ERP 65 dBµV/m @ 10m 60 dBµV/m @ 10m 50 mW ERP 50 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.

FIRST SCHEDULE — *continued*

<i>Equipment</i>	<i>Authorised Radio Frequency Bands</i>	<i>Maximum Approved Field Strength or Power</i>
	487.00 – 507.00 MHz	112 dB μ V/m @ 10m
	534.00 – 614.00 MHz	10 mW ERP
	614.00 – 698.00 MHz	50 mW ERP
4. CB Band Radio Paging Systems	26.96 – 27.28 MHz	500 mW ERP
	40.66 – 40.70 MHz	500 mW ERP
5. Induction Loop Communication Systems	0.016 – 0.150 MHz	66 dB μ A/m @ 10m
	0.150 – 5.000 MHz	13.5 dB μ A/m @ 10m
	6.765 – 6.795 MHz	42 dB μ A/m @ 10m
	7.400 – 8.800 MHz	9 dB μ A/m @ 10m
	10.200 – 11.000 MHz	9 dBuA/m @ 10m
6. VHF Radio Paging System	151.125 MHz	1,000 mW ERP
	151.150 MHz	1,000 mW ERP
7. Radio Detection and Alarm Systems —	0.016 – 0.150 MHz	100 dB μ V/m @ 3m
	13.553 – 13.567 MHz	94 dB μ V/m @ 10m
(a) Car Theft Alarm Systems	26.96 – 27.28 MHz	500 mW ERP
	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
	10.50 – 10.55 GHz	117 dB μ V/m @ 10m
(d) Other Miscellaneous Radio Detection and Alarm Systems		

FIRST SCHEDULE — *continued*

<i>Equipment</i>	<i>Authorised Radio Frequency Bands</i>	<i>Maximum Approved Field Strength or Power</i>
8. Medical and Biological Telemetry Devices	9.000 – 315.000 kHz	30 dB μ A/m @ 10m
	40.500 – 41.000 MHz	0.01 mW ERP
	216.00 – 217.00 MHz	100 mW ERP
	All other frequencies	25 μ W ERP
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
10. Radio Telemetry Equipment	26.96 – 27.28 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	26.960 – 27.280 MHz	100 mW ERP
	34.995 – 35.225 MHz	100 mW ERP
	40.660 – 40.700 MHz	500 mW ERP
	72.130 – 72.210 MHz	500 mW ERP

FIRST SCHEDULE — *continued*

<i>Equipment</i>	<i>Authorised Radio Frequency Bands</i>	<i>Maximum Approved Field Strength or Power</i>
12. Cordless Telephones or Wireless PABX	1,880.00 – 1,900.00 MHz	250 mW EIRP
13. Wireless LAN, RFID or Low Power Devices	13.553 – 13.567 MHz	10 mW ERP
	433.05 – 434.79 MHz	10 mW ERP
	866.00 – 869.00 MHz	500 mW ERP
	917.00 – 925.00 MHz	500 mW ERP
	1,880.00 – 1,900.00 MHz	250 mW EIRP
	2,400.00 – 2,483.50 MHz	200 mW EIRP
	5,150.00 – 5,350.00 MHz	200 mW EIRP
	5,470.00 – 5,725.00 MHz	1 W EIRP
	5,725.00 – 5,875.00 MHz	1 W EIRP
	5,945.00 – 6,425.00 MHz	250 mW EIRP
	24,000 – 24,250 MHz	100 mW EIRP
	57,000 – 66,000 MHz	10 W EIRP
	122.00 – 123.00 GHz	100 mW EIRP
244.00 – 246.00 GHz	100 mW EIRP	
14. Global Navigation Satellite Systems Receivers	1,164 – 1,300 MHz	
	1,559 – 1,610 MHz	
15. Short Range Radar System	76.00 – 77.00 GHz	55 dBm peak EIRP
		23.5 dBm average EIRP for pulse radar
		50 dBm average EIRP for other radar types
16. Hearing Aids and Audio Assistance Aids	169.40 – 175.00 MHz	500 mW ERP
17. Ultra-Wideband Devices	Below 1.60 GHz	-90 dBm/MHz
	1.60 – 2.70 GHz	-85 dBm/MHz

FIRST SCHEDULE — *continued*

<i>Equipment</i>	<i>Authorised Radio Frequency Bands</i>	<i>Maximum Approved Field Strength or Power</i>
	2.70 – 3.40 GHz	-70 dBm/MHz
	3.40 – 4.20 GHz	-41.3 dBm/MHz with interference mitigation techniques, otherwise - 70 dBm/MHz
	4.20 – 4.80 GHz	-41.3 dBm/MHz
	4.80 – 6.00 GHz	-70 dBm/MHz
	6.00 – 9.00 GHz	-41.3 dBm/MHz
	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
18. Intelligent Transport System —		
(a) Vehicular On-Board Unit	5,875.00 — 5,925.00 MHz	2 W EIRP
(b) Roadside Infrastructure (also known as Road Side Unit or Non-Vehicular Installation) using Dedicated Short-Range Communica	5,885.00 — 5,895.00 MHz	2 W EIRP

FIRST SCHEDULE — *continued*

<i>Equipment</i>	<i>Authorised Radio Frequency Bands</i>	<i>Maximum Approved Field Strength or Power</i>
tion Control Channel		

[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]

[S 415/2014 wef 23/06/2014]

[S 726/2014 wef 01/11/2014]

[S 78/2017 wef 01/04/2017]

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

[S 588/2023 wef 01/09/2023]

SECOND SCHEDULE

Paragraph 2(c) and (d)

EXEMPTION IN RESPECT OF
INSTALLATION OR OPERATION OF EQUIPMENT

<i>Equipment</i>	<i>Authorised Radio Frequency Bands</i>	<i>Maximum Approved Field Strength or Power</i>
1. Fixed White Space Devices	174 – 188 MHz 195 – 202 MHz 209 – 230 MHz 470 – 534 MHz 614 – 694 MHz	4,000 mW EIRP for all authorised frequency bands
2. Portable Mode I White Space Devices	174 – 188 MHz 195 – 202 MHz	100 mW EIRP for all authorised frequency bands

SECOND SCHEDULE — *continued*

	209 – 230 MHz 470 – 534 MHz 614 – 694 MHz	
3. Portable Mode II White Space Devices	174 – 188 MHz 195 – 202 MHz 209 – 230 MHz 470 – 534 MHz 614 – 694 MHz	100 mW EIRP for all authorised frequency bands

[S 588/2023 wef 01/09/2023]

[S 726/2014 wef 01/11/2014]

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

10. G.N. No. S 415/2014 — Telecommunications (Exemption from sections 33, 34(1)(b) and 35) (Amendment) Notification 2014

Date of commencement : 23 June 2014

11. G.N. No. S 726/2014 — Telecommunications (Exemption from sections 33, 34(1)(b) and 35) (Amendment No. 2) Notification 2014

Date of commencement : 1 November 2014

12. G.N. No. S 78/2017 — Telecommunications (Exemption from sections 33, 34(1)(b) and 35) (Amendment) Notification 2017

Date of commencement : 1 April 2017

13. G.N. No. S 588/2023 — Telecommunications (Exemption from sections 33, 34(1)(b) and 35) (Amendment) Notification 2023

Date of commencement : 31 December 2021

14. G.N. No. S 588/2023 — Telecommunications (Exemption from sections 33, 34(1)(b) and 35) (Amendment) Notification 2023

Date of commencement : 1 September 2023