

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
-

[2nd March 2001]

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 localised on-site installation or operation of the equipment specified in the First Schedule;

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

(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 <http://www.ida.gov.sg>; and

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

- (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 <http://www.ida.gov.sg>.

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

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

FIRST SCHEDULE

Paragraph 2(b)

EXEMPTION IN RESPECT OF LOCALISED ON-SITE 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	500 mW ERP
	446.3250 – 446.4750 MHz	500 mW ERP
	477.00 – 477.25 MHz	500 mW ERP
3. Wireless Microphones	0.51 – 1.60 MHz	57 dB μ V/m @ 3m
	40.66 – 40.70 MHz	65 dB μ V/m @ 10m
	88.00 – 108.00 MHz	60 dB μ V/m @ 10m
	180.000 – 200.000 MHz	112 dB μ V/m @ 10m
	470.00 – 806.00 MHz	10 mW ERP
	487.00 – 507.00 MHz	112 dB μ V/m @ 10m
4. CB Band Radio Paging Systems	26.96 – 27.28 MHz	500 mW ERP
	40.66 – 40.70 MHz	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.

FIRST SCHEDULE — *continued*

<i>Equipment</i>	<i>Authorised Radio Frequency Bands</i>	<i>Maximum Approved Field Strength or Power</i>
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
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 — (a) Car Theft Alarm Systems (b) Burglar Alarm Systems (c) Field Disturbance Sensing Devices (d) Other Miscellaneous 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
	26.96 – 27.28 MHz	500 mW ERP
	146.35 – 146.50 MHz	100 mW ERP
	240.15 – 240.30 MHz	100mW ERP
	300.00 – 300.30 MHz	100mW ERP
	312.00 – 316.00 MHz	100mW ERP
	444.40 – 444.80 MHz	100mW ERP
	10.50 – 10.55 GHz	117 dB μ V/m @ 10m
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
	454.000 – 454.500 MHz	2 mW ERP
	1,427.00 – 1,432.00 MHz	100 mW ERP
	All other frequencies	25 μ W ERP
9. Wireless Modem	72.080 MHz	1,000 mW ERP

FIRST SCHEDULE — *continued*

<i>Equipment</i>	<i>Authorised Radio Frequency Bands</i>	<i>Maximum Approved Field Strength or Power</i>
	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
10. Radio Telemetry Equipment	26.96 – 27.28 MHz	500 mW ERP
	29.700 – 30.000 MHz	500 mW ERP
11. Remote Control Devices —	26.96 – 27.28 MHz	100 mW ERP
	34.995 – 35.225 MHz	100 mW ERP
(a) Garage Door Openers	40.665 – 40.695 MHz	500 mW ERP
(b) Cameras	40.770 – 40.830 MHz	500 mW ERP
(c) Toys and Robots	72.130 – 72.210 MHz	500 mW ERP
(d) Battery-operated Cars and Boats		
(e) TV Receivers/ Radio Systems		
(f) Other Miscellaneous Remote Control Devices		

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	1.605 – 1.800 MHz	94 dB μ V/m@ 3m
	49.67 – 49.97 MHz	90 dB μ V/m @ 3m
	43.72 – 46.97 MHz	90 dB μ V/m @ 3m
	48.76 – 49.97 MHz	90 dB μ V/m @ 3m
	821.00 – 822.00 MHz	90 dB μ V/m @ 3m
	924.00 – 925.00 MHz	90 dB μ V/m @ 3m
	1,880.00 – 1,900.00 MHz	250 mW EIRP
13. Wireless LAN, RFID or Low Power Devices	433.05 – 434.79 MHz	10 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
	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
	24,000 – 24,250 MHz	100 mW EIRP
57,000 – 66,000 MHz	10 W EIRP	
14. Stand-alone GPS Receivers	1,575.420 MHz	
15. Short Range Radar System	76.00 – 77.00 GHz	37 dBm EIRP for vehicle in motion
		23.5dBm EIRP for stationary vehicle
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
	2.70 – 3.40 GHz	-70 dBm/MHz

FIRST SCHEDULE — *continued*

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

FIRST SCHEDULE — *continued*

<i>Equipment</i>	<i>Authorised Radio Frequency Bands</i>	<i>Maximum Approved Field Strength or Power</i>
(b) Roadside Infrastructure (also known as Road Side Unit or Non-Vehicular Installation) using Dedicated Short-Range Communication Control Channel	5,885.00 — 5,895.00 MHz	2 W EIRP

*[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]

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	181 – 188 MHz 209 – 223 MHz 502 – 518 MHz 614 – 622 MHz 630 – 710 MHz	4,000 m W EIRP for all authorised frequency bands

SECOND SCHEDULE — *continued*

	718 – 742 MHz 750 – 774 MHz 790 – 806 MHz	
2. Portable Mode I White Space Devices	181 – 188 MHz 209 – 223 MHz 502 – 518 MHz 614 – 622 MHz 630 – 710 MHz 718 – 742 MHz 750 – 774 MHz 790 – 806 MHz	100 m W EIRP for all authorised frequency bands
3. Portable Mode II White Space Devices	181 – 188 MHz 209 – 223 MHz 502 – 518 MHz 614 – 622 MHz 630 – 710 MHz 718 – 742 MHz 750 – 774 MHz 790 – 806 MHz	100 m W EIRP for all authorised frequency bands

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

LEGISLATIVE HISTORY
TELECOMMUNICATIONS (EXEMPTION FROM SECTIONS 53,
54(1)(b) AND 55) 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