



MALTA COMMUNICATIONS AUTHORITY


## **Fourth Schedule to Decision No. MCA/D-22-4662**

---

*Apparatus General Authorisation for Non-Specific Short-Range Devices*

**Publication Date**  
13 November 2023

 (+356) 2133 6840     [info@mca.org.mt](mailto:info@mca.org.mt)     [www.mca.org.mt](http://www.mca.org.mt)

 Valletta Waterfront, Pinto Wharf, Floriana FRN1913, Malta

## Revision History of the Fourth Schedule

### Non-specific short-range devices

Date	Comments
13/11/2023	Publication

**This Schedule shall be read and construed as one with  
Part I and Part II of Decision No. MCA/D/22-4662**

**Adopted pursuant to Article 30A of the  
Electronic Communications (Regulation) Act (Cap. 399)  
establishing the radiocommunications apparatus  
general authorisation**

### **Article 1 – Applicability**

This apparatus general authorisation applies to any person installing or using non-specific short-range devices or any apparatus intended to be used as a component part of that apparatus.

### **Article 2 – Interpretation**

In this Schedule unless the context otherwise requires:

- (1) “non-specific short-range devices” means radiocommunications apparatus regardless of the application or the purpose, which fulfil the technical conditions as specified for a given frequency band in the Annex to this Schedule.

### **Article 3 – Minimum technical parameters**

The minimum technical parameters of non-specific short-range devices shall be those specified in the Annex to this Schedule.

### Annex to the Fourth Schedule Minimum Technical Parameters for Non-Specific Short-Range Devices

Frequency band	Transmit power limit/field strength limit/power density limit	Additional parameters	Other usage parameters	Frequency band reference (informative)
442.2-450.0 kHz	7 dB $\mu$ A/m at 10m	Channel spacing: $\geq$ 150 Hz	This set of usage conditions is only available for person detection and collision avoidance devices.	85
456.9-457.1 kHz	7 dB $\mu$ A/m at 10m		This set of usage conditions is only available for emergency detections of buried victims and valuable items devices.	18
13553-13567 kHz	10 mW e.r.p.			27c
26957-27283 kHz	10 mW e.r.p.			28
26990-27000 kHz	100 mW e.r.p.	Duty cycle limit: 0.1%		29
27040-27050 kHz	100 mW e.r.p.	Duty cycle limit: 0.1%		30
27090-27100 kHz	100 mW e.r.p.	Duty cycle limit: 0.1%		31
27140-27150 kHz	100 mW e.r.p.	Duty cycle limit: 0.1%		32
27190-27200 kHz	100 mW e.r.p.	Duty cycle limit: 0.1%		33
40.66-40.7 MHz	10 mW e.r.p.			35
138.2-138.45 MHz	10 mW e.r.p.	Duty cycle limit: $\leq$ 1%		e
169.4-169.475 MHz	500 mW e.r.p.	Channel spacing (maximum): 50 kHz  Duty cycle limit: 1.0%		37c

Frequency band	Transmit power limit/field strength limit/power density limit	Additional parameters	Other usage parameters	Frequency band reference (informative)
169.4-169.4875 MHz	10 mW e.r.p.	Duty cycle limit: 0.1%		38
169.4875-169.5875 MHz	10 mW e.r.p.	Duty cycle limit: 0.001%	Between 00:00h and 06:00h local time a duty cycle limit of 0.1% may be used.	39b
169.5875-169.8125 MHz	10 mW e.r.p.	Duty cycle limit: 0.1%		40
433.05-434.79 MHz	1 mW e.r.p. and -13 dBm/10 kHz power density for bandwidth modulation larger than 250 kHz		Voice applications are allowed with advanced mitigation techniques. Other audio and video applications are excluded.	44a
433.05-434.79 MHz	10 mW e.r.p.	Duty cycle limit: 10%		44b
434.04-434.79 MHz	10 mW e.r.p.	Duty cycle limit: 100% subject to channel spacing up to 25 kHz	Voice applications are allowed with advanced mitigation techniques. Other audio and video applications are excluded.	45c
862-863 MHz	25 mW e.r.p.	Duty cycle limit: 0.1%  Bandwidth: ≤ 350 kHz		87

Frequency band	Transmit power limit/field strength limit/power density limit	Additional parameters	Other usage parameters	Frequency band reference (informative)
863-865 MHz	25 mW e.r.p.	<p>Requirements on techniques to access spectrum and mitigate interference apply<sup>1</sup>.</p> <p>Alternatively a duty cycle limit of 0.1% may also be used.</p>		46a
865-868 MHz	25 mW e.r.p.	<p>Requirements on techniques to access spectrum and mitigate interference apply<sup>1</sup>.</p> <p>Alternatively a duty cycle limit of 1% may also be used.</p>		47

Frequency band	Transmit power limit/field strength limit/power density limit	Additional parameters	Other usage parameters	Frequency band reference (informative)
865-868 MHz	500 mW e.r.p.  Adaptive Power Control (APC) required. Alternatively other mitigation techniques with at least an equivalent level of spectrum compatibility.	<p>Transmissions only permitted within the frequency ranges 865.6-865.8 MHz, 866.2-866.4 MHz, 866.8-867.0 MHz and 867.4-867.6 MHz.</p> <p>Requirements on techniques to access spectrum and mitigate interference apply<sup>1</sup>.</p> <p>Bandwidth: ≤ 200 kHz</p> <p>Duty cycle: ≤ 10% for network access points</p> <p>Duty cycle: ≤ 2.5% otherwise</p>	This set of usage conditions is only available for data networks.	47b
868-868.6 MHz	25 mW e.r.p.	<p>Requirements on techniques to access spectrum and mitigate interference apply<sup>1</sup>.</p> <p>Alternatively a duty cycle limit of 1% may also be used.</p>		48



Frequency band	Transmit power limit/field strength limit/power density limit	Additional parameters	Other usage parameters	Frequency band reference (informative)
868.7-869.2 MHz	25 mW e.r.p.	Requirements on techniques to access spectrum and mitigate interference apply <sup>1</sup> .  Alternatively a duty cycle limit of 0.1% may also be used.		50
869.4-869.65 MHz	500 mW e.r.p.	Requirements on techniques to access spectrum and mitigate interference apply <sup>1</sup> .  Alternatively a duty cycle limit of 10% may also be used.		54
869.7-870 MHz	5 mW e.r.p.		Voice applications are allowed with advanced mitigation techniques. Other audio and video applications are excluded.	56a
869.7-870 MHz	25 mW e.r.p.	Requirements on techniques to access spectrum and mitigate interference apply <sup>1</sup> .  Alternatively a duty cycle limit of 1% may also be used.		56b

Frequency band	Transmit power limit/field strength limit/power density limit	Additional parameters	Other usage parameters	Frequency band reference (informative)
874-874.4 MHz	500 mW e.r.p.  Adaptive Power Control (APC) required, alternatively other mitigation techniques which achieve at least an equivalent level of spectrum compatibility.	Requirements on techniques to access spectrum and mitigate interference apply <sup>1</sup> .  Bandwidth: ≤ 200 kHz  Duty cycle: ≤ 10% for network access points  Duty cycle: 2.5% in other cases	This set of usage conditions is only available for data networks.  All devices within the data network shall be under the control of network access points.	1
917.3-918.9 MHz	500 mW e.r.p.  Transmissions only permitted within the frequency ranges 917.3-917.7 MHz, 918.5-918.9 MHz Adaptive Power Control (APC) required, alternatively other mitigation techniques which achieve at least an equivalent level of spectrum compatibility.	Requirements on techniques to access spectrum and mitigate interference apply <sup>1</sup> .  Bandwidth: ≤ 200 kHz  Duty cycle: ≤ 10% for network access points  Duty cycle: ≤ 2.5% in other cases	This set of usage conditions is only available for data networks.  All devices within the data network shall be under the control of network access points.	4
917.4-919.4 MHz	25 mW e.r.p.	Requirements on techniques to access spectrum and mitigate interference apply <sup>1</sup> .  Bandwidth: ≤ 600 kHz  Duty cycle: ≤ 1%	This set of usage conditions is only available for short-range devices in data networks.  All devices within the data network shall be under the control of network access points.	5

Frequency band	Transmit power limit/field strength limit/power density limit	Additional parameters	Other usage parameters	Frequency band reference (informative)
2400-2483.5 MHz	10 mW e.i.r.p.			57a
5725-5875 MHz	25 mW e.i.r.p.			61
24.15-24.25 GHz	100 mW e.i.r.p.			70a
57-64 GHz	100 mW e.i.r.p. and a maximum transmit power of 10 dBm			74a
61-61.5 GHz	100 mW e.i.r.p.			76
122-122.25 GHz	10 dBm e.i.r.p./250 MHz and -48 dBm/MHz at 30° elevation			80a
122.25-123 GHz	100 mW e.i.r.p.			80b
244-246 GHz	100 mW e.i.r.p.			81
<p><sup>1</sup> Techniques to access spectrum and mitigate interference that provide an appropriate level of performance to comply with the essential requirements of Directive 2014/53/EU shall be used. If relevant techniques are described in harmonised standards or parts thereof the references of which have been published in the Official Journal of the European Union under Directive 2014/53/EU, performance at least equivalent to these techniques shall be ensured.</p>				