




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

*Apparatus General Authorisation for Radiocommunications Apparatus used for Inductive Applications*

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## Revision History of the Fourth Schedule

### Non-specific short-range devices

Date	Comments
28/11/2025	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 short-range radiocommunications apparatus intended to be used for inductive applications 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) “short-range radiocommunications apparatus used for inductive applications” means radiocommunications apparatus that operates in short-range and uses magnetic fields with inductive loop systems for near field communications and determination applications.

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

The minimum technical parameters for short-range radiocommunications apparatus used for inductive applications shall be those specified in the Annex to this Schedule.

**Annex to the Fifth Schedule**  
**Minimum Technical Parameters for Short-Range**  
**Radiocommunications Apparatus for Inductive Applications**

Frequency band	Field strength limit	Additional parameters	Frequency band reference (informative)
100 Hz-9kHz	82 dB $\mu$ A/m at 10 metres	Antenna size <sup>[1]</sup> of $< 1/20 \lambda$	a0
9-59.75 kHz	72 dB $\mu$ A/m at 10 metres		1
59.75-60.25 kHz	42 dB $\mu$ A/m at 10 metres		3
60.25-74.75 kHz	72 dB $\mu$ A/m at 10 metres		4
74.75-75.25 kHz	42 dB $\mu$ A/m at 10 metres		5
75.25-77.25 kHz	72 dB $\mu$ A/m at 10 metres		6
77.25-77.75 kHz	42 dB $\mu$ A/m at 10 metres		7
77.75-90 kHz	72 dB $\mu$ A/m at 10 metres		8
90-119 kHz	42 dB $\mu$ A/m at 10 metres		9
119-128.6 kHz	66 dB $\mu$ A/m at 10 metres		10
128.6-129.6 kHz	42 dB $\mu$ A/m at 10 metres		11
129.6-135 kHz	66 dB $\mu$ A/m at 10 metres		12
135-140 kHz	42 dB $\mu$ A/m at 10 metres		13
140-148.5 kHz	37.7 dB $\mu$ A/m at 10 metres		14
148.5-5000 kHz <sup>[2]</sup>	-15 dB $\mu$ A/m at 10 metres in any bandwidth of 10 kHz Furthermore, the total field strength is -5 dB $\mu$ A/m at 10 metres for systems operating at bandwidths larger than 10 kHz		15
3155-3400 kHz	13.5 dB $\mu$ A/m at 10 metres		20

Frequency band	Field strength limit	Additional parameters	Frequency band reference (informative)
5000 kHz-30 MHz <sup>[3]</sup>	-20 dBμA/m at 10 metres in any bandwidth of 10 kHz Furthermore, the total field strength is -5 dBμA/m at 10 metres for systems operating at bandwidths larger than 10 kHz		21
6765-6795 kHz	42 dBμA/m at 10 metres		22
7400-8800 kHz	9 dBμA/m at 10 metres		24
10200-11000 kHz	9 dBμA/m at 10 metres		25
13553-13567 kHz	42 dBμA/m at 10 meters	Transmission mask and antenna requirements for all combined frequency segments apply <sup>[4], [5]</sup>	27a
<b>Notes:</b> <ol style="list-style-type: none"> <li>The antenna size is described by the distance between those two points on the antenna that have the largest distance between them (e.g. for a rectangle-shaped antenna the largest diagonal, and for a circular shaped antenna the diameter).</li> <li>In band no. 20, higher field strengths and additional usage restrictions apply for short-range radiocommunications apparatus used for inductive applications.</li> <li>In band nos. 22, 24, 25 and 27a higher field strengths and additional usage restrictions apply for short-range radiocommunications apparatus used for inductive applications.</li> <li>Antenna requirements that provide an appropriate level of performance to comply with the essential requirements of Directive 2014/53/EU shall be used. If relevant restrictions 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 restrictions shall be ensured.</li> <li>Transmission mask that provides an appropriate level of performance to comply with the essential requirements of Directive 2014/53/EU shall be used. If relevant restrictions 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 restrictions shall be ensured.</li> </ol>			