

MCMC MTSFB TC T007:2026

# TECHNICAL CODE

## SHORT RANGE DEVICES - SPECIFICATIONS (THIRD REVISION)

Developed by



Registered by



Registered date: 5 May 2026

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## **MCMC MTSFB TC T007:2026**

### **Development of technical codes**

The Communications and Multimedia Act 1998 (Laws of Malaysia Act 588) ('the Act') provides for a Technical Standards Forum designated under Section 184 of the Act or the Malaysian Communications and Multimedia Commission ('the Commission') to prepare a technical code. The technical code prepared pursuant to Section 185 of the Act shall consist of, at least, the requirements for network interoperability and the promotion of safety of network facilities.

Section 96 of the Act also provides for the Commission to determine a technical code in accordance with Section 55 of the Act if the technical code is not developed under an applicable provision of the Act and it is unlikely to be developed by the Technical Standards Forum within a reasonable time.

In exercise of the power conferred by Section 184 of the Act, the Commission has designated the Malaysian Technical Standards Forum Bhd ('MTSFB') as a Technical Standards Forum which is obligated, among others, to prepare the technical code under Section 185 of the Act.

A technical code prepared in accordance with Section 185 shall not be effective until it is registered by the Commission pursuant to Section 95 of the Act.

For further information on the technical code, please contact:

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## **MCMC MTSFB TC T007:2026**

### **Committee representation**

This technical code was developed by the Communications Terminal Working Group of the Malaysian Technical Standards Forum Bhd (MTSFB), which consists of representatives from the following organisations:

International Islamic University Malaysia

ITS Testing Services (M) Sdn Bhd

Maxis Broadband Sdn Bhd

SIRIM Berhad

Smart Tech Asia Pacific Sdn Bhd

Terengganu Telecommunications Sdn Bhd

TM Technology Services Sdn Bhd

Wideminds Pte Ltd

YTL Communications Sdn Bhd

## **Foreword**

This technical code for the Short Range Devices (SRDs) - Specifications ('Technical Code') was developed pursuant to Section 185 of the Communications and Multimedia Act 1998 (Laws of Malaysia Act 588) by the Communications Terminal Working Group of the Malaysian Technical Standards Forum Bhd (MTSFB).

This Technical Code was developed for the purpose of communications equipment's compliance with the Communications and Multimedia (Technical Standards) Regulations 2000.

Major modifications in this revision are as follows:

- a) update of frequency bands, output power, transmitter and receiver spurious emission limit for new generation of SRDs based on industry requirements and MCMC Class Assignment; and
- b) exclusion of Marking, Interoperability, Electromagnetic Compatibility (EMC) and Electrical Safety requirements which is addressed in the MCMC MTSFB TC T022 *Communications Equipment - Baseline requirements*.

In the event of any discrepancy in the maximum output power values, this Technical Code shall take precedence over the standard test references. However, the latest published *Class Assignment* shall take precedence over this Technical Code.

The SRDs shall comply with all requirements within this Technical Code and MCMC MTSFB TC T022 *Communications Equipment - Baseline Requirements*.

This Technical Code shall replace the MCMC MTSFB TC T007:2020, *Specification for Short Range Devices (SRD) (Second Revision)*. The latter shall be deemed to be invalid to the extent of any conflict with this Technical Code.

This Technical Code shall continue to be valid and effective from the date of its registration until it is replaced or revoked.



## **SHORT RANGE DEVICES - SPECIFICATIONS**

### **1. Scope**

This Technical Code defines the technical requirements for Short Range Devices (SRDs) ("The Equipment") operating in the frequencies as defined in the relevant *Standard Radio System Plans* and the latest *Class Assignments* issued by MCMC.

The Equipment may be fixed, mobile or portable stations that are fitted with an antenna connector or an integral antenna. The applications include various generic short range devices not limited to, inductive applications, active medical implant devices, alarm system, inductive devices, Industrial Scientific and Medical (ISM), Radio Frequency Identification (RFID), security devices, Ultra-Wideband (UWB) communication devices, UWB automotive radar devices, UWB radar imaging devices, wireless microphones and wireless power.

The equipment may employ different types of modulation and power requirement which may include data, video, voice and inductive applications.

### **2. Normative references**

The following normative references are indispensable for the application of this Technical Code. For dated references, only the edition cited applies. For undated references, the latest edition of the normative references (including any amendments) applies.

Refer to Annex A.

### **3. Abbreviation**

For the purposes of this Technical Code, the following abbreviation applies.

AFA	Adaptive Frequency Agility
CCTV	Closed-Circuit Television
DFS	Dynamic Frequency Selection
EIRP	Effective Isotropic Radiated Power
EMC	Electromagnetic Compatibility
ERP	Effective Radiated Power
ISM	Industrial, Scientific and Medical
LBT	Listen Before Talk
LPLDC	Low Power Low Duty Cycle
RF	Radio Frequency
RFID	Radio Frequency Identification Device
RLAN	Radio Local Area Network
SRC	Short Range Communications
SRD	Short Range Devices
SRSP	Standard Radio System Plan
TPC	Transmit Power Control
UWB	Ultra-Wideband

**4. Baseline requirements**

The Equipment shall be designed to meet the baseline requirements as outlined in MCMC MTSFB TC T022.

**5. Technical requirements**

The Equipment shall be configured and operated within the conditions specified in MCMC *Class Assignment* and in accordance with the requirements defined in Table 1.

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**Table 1. Technical requirements for short range devices**

No.	Operating frequency	Type of equipment	Maximum Radio Frequency (RF) output power	Transmitter and receiver spurious emission	Test reference	Remarks
1.	3 kHz - 195 kHz	Security device	50 mW (EIRP)	ETSI EN 300 330		N/A
2.	9 kHz - 90 kHz	Inductive device	72 dBµA/m at 10 m	ETSI EN 300 330 or ETSI EN 303 417		
3.	9 kHz - 315 kHz	Active medical implant device	30 dBµA/m at 10 m	ETSI EN 302 195		
4.	90 kHz - 119 kHz	Inductive device	42 dBµA/m at 10 m	ETSI EN 300 330 or ETSI EN 303 417		
5.	119 kHz - 135 kHz		66 dBµA/m at 10 m			
6.	135 kHz - 140 kHz		42 dBµA/m at 10 m			
7.	140 kHz - 148.5 kHz		37.7 dBµA/m at 10 m			
8.	148.5 kHz - 30 MHz		- 5 dBµA/m at 10 m			
9.	315 kHz - 400 kHz		- 5 dBµA/m at 10 m			
10.	400 kHz - 600 kHz		- 8 dBµA/m at 10 m			
11.	984 kHz - 7 484 kHz		9 dBµA/m at 10 m			
12.	3 155 kHz - 3 400 kHz	Short Range Communications (SRC) device	13.5 dBµA/m at 10 m	ETSI EN 300 330		
		Inductive device	13.5 dBµA/m at 10 m			
13.	6 765 kHz - 6 795 kHz	SRC device	100 mW (EIRP)	ETSI EN 300 330 or ETSI EN 303 417		
		ISM device	500 mW (EIRP)			
		Inductive device	42 dBµA/m at 10 m			

Notes:

1. Effective Radiated Power (ERP) refers to radiation of a half wave tuned dipole, which is used for frequencies below 1 GHz.
2. Effective Isotropic Radiated Power (EIRP) is a product of the power supplied to the antenna and the maximum antenna gain, relative to an isotropic antenna, and is used for frequencies above 1 GHz. There is a of 2.15 dB between EIRP and ERP [EIRP (dBm) = ERP (dBm) + 2.15].
3. Certification of all equipment is required in accordance with the aforementioned standards or any other relevant standards. The certifying agency will verify the relevancy of any standards through the certification process, which includes conducting a comprehensive suitability study and gap analysis subject to regulator's approval.

Table 1. Technical requirements for short range devices (continued)

No.	Operating frequency	Type of equipment	Maximum RF output power	Transmitter and receiver spurious emission	Test reference	Remarks
14.	7 400 kHz - 8 800 kHz	Inductive device	9 dB $\mu$ A/m at 10 m	ETSI EN 300 330		N/A
15.	10 200 kHz - 11 000 kHz	SRC device	10 mW (EIRP)			
		Inductive device	9 dB $\mu$ A/m at 10 m	ETSI EN 300 330 or ETSI EN 302 291		
16.	13 553 kHz - 13 567 kHz	SRC device	100 mW (EIRP)			
		RFID	100 mW (EIRP)			
		ISM device	500 mW (EIRP)			
		Inductive device	42 dB $\mu$ A/m at 10 m			
17.	26.957 MHz - 27.283 MHz	SRC device	100 mW (EIRP)	ETSI EN 300 220		
		ISM device	500 mW (EIRP)	ETSI EN 300 330		
		Inductive device	42 dB $\mu$ A/m at 10 m			
18.	26.95728 MHz - 27.28272 MHz	Wireless microphone device	50 mW (EIRP)	ETSI EN 300 422		
19.	26.965 MHz - 27.275 MHz	Remote controlled device		ETSI EN 300 220		
20.	40 MHz					
21.	40.435 MHz - 40.925 MHz	Wireless microphone device		ETSI EN 300 422		
22.	40.66 MHz - 40.70 MHz	ISM device	500 mW (EIRP)	ETSI EN 300 220		
		SRC device	1 W (EIRP)			
23.	46.61 MHz - 46.97 MHz	Cordless telephone	50 mW (EIRP)	ETSI EN 301 357		

Notes:

- ERP refers to radiation of a half wave tuned dipole, which is used for frequencies below 1 GHz.
- EIRP is a product of the power supplied to the antenna and the maximum antenna gain, relative to an isotropic antenna, and is used for frequencies above 1 GHz. There is a of 2.15 dB between EIRP and ERP [EIRP (dBm) = ERP (dBm) + 2.15].
- Certification of all equipment is required in accordance with the aforementioned standards or any other relevant standards. The certifying agency will verify the relevancy of any standards through the certification process, which includes conducting a comprehensive suitability study and gap analysis subject to regulator's approval.

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**Table 1. Technical requirements for short range devices (continued)**

No.	Operating frequency	Type of equipment	Maximum RF output power	Transmitter and receiver spurious emission	Test reference	Remarks
24.	47 MHz	Remote controlled device	50 mW (EIRP)	ETSI EN 300 220		N/A
25.	49 MHz	Remote controlled device	50 mW (EIRP)			
		Inductive device	18.02 dB $\mu$ A/m at 10 m			
26.	49.61 MHz - 49.97 MHz	Cordless telephone	50 mW (EIRP)	ETSI EN 301 357		
27.	87.5 MHz - 108 MHz	SRC device	50 nW (ERP)	ETSI EN 300 220 or ETSI EN 301 357		
		Wireless microphone device		ETSI EN 300 422		
28.	174 MHz - 230 MHz	Wireless microphone device	50 mW (EIRP)	ETSI EN 300 422		
29.	228.006 3 MHz – 228.993 7 MHz	Security device	50 mW (EIRP)	ETSI EN 300 220 or FCC Part 15		
30.	303 MHz - 320 MHz	Security device	50 mW (EIRP)	ETSI EN 300 220 or FCC Part 15		
		Remote controlled device				
31.	400 MHz - 402 MHz	Security device	50 mW (EIRP)	ETSI EN 300 220 or FCC Part 15		

Notes:

- ERP refers to radiation of a half wave tuned dipole, which is used for frequencies below 1 GHz.
- EIRP is a product of the power supplied to the antenna and the maximum antenna gain, relative to an isotropic antenna, and is used for frequencies above 1 GHz. There is a of 2.15 dB between EIRP and ERP [EIRP (dBm) = ERP (dBm) + 2.15].
- Certification of all equipment is required in accordance with the aforementioned standards or any other relevant standards. The certifying agency will verify the relevancy of any standards through the certification process, which includes conducting a comprehensive suitability study and gap analysis subject to regulator's approval.

Table 1. Technical requirements for short range devices (continued)

No.	Operating frequency	Type of equipment	Maximum RF output power	Transmitter and receiver spurious emission	Test reference	Remarks
32.	401 MHz - 402 MHz	Active medical implant device	25 µW (ERP)	ETSI EN 300 220 or FCC Part 15		≤ 25 µW (ERP) for devices with Adaptive Frequency Agility (AFA) and Listen Before Talk (LBT)
			250 nW (ERP)			≤ 250 nW (ERP) for devices using Low Power Low Duty Cycle (LPLDC)
33.	402 MHz - 405 MHz	Active medical implant device	25 µW (ERP)	ETSI EN 301 839		N/A
34.	405 MHz - 406 MHz	Active medical implant device	25 µW (ERP)	ETSI EN 302 537		≤ 25 µW (ERP) for devices with AFA and LBT
			250 nW (ERP)			≤ 250 nW (ERP) for devices using LPLDC
35.	433 MHz - 435 MHz	Security device	50 mW (EIRP)	ETSI EN 300 220		N/A
		Remote controlled device				
		SRC device	100 mW (EIRP)			
		RFID				
36.	470 MHz - 694 MHz	Wireless microphone device	50 mW (EIRP)	ETSI EN 300 422		N/A
37.	916 MHz - 919 MHz	SRC device	25 mW (EIRP)	ETSI EN 300 220 or FCC Part 15		Duty cycle < 1% or frequency hopping or LBT

Notes:

- ERP refers to radiation of a half wave tuned dipole, which is used for frequencies below 1 GHz.
- EIRP is a product of the power supplied to the antenna and the maximum antenna gain, relative to an isotropic antenna, and is used for frequencies above 1 GHz. There is a of 2.15 dB between EIRP and ERP [EIRP (dBm) = ERP (dBm) + 2.15].
- Certification of all equipment is required in accordance with the aforementioned standards or any other relevant standards. The certifying agency will verify the relevancy of any standards through the certification process, which includes conducting a comprehensive suitability study and gap analysis subject to regulator's approval.

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**Table 1. Technical requirements for short range devices (continued)**

No.	Operating frequency	Type of equipment	Maximum RF output power	Transmitter and receiver spurious emission	Test reference	Remarks
38.	919 MHz - 923 MHz	SRC device	500 mW (EIRP)	ETSI EN 300 220, ETSI EN 302 208 or FCC Part 15		RFID interrogator below 2 W (ERP) is subject to <i>Class Assignment</i> and up to 4 W (ERP) is subject to an Apparatus Assignment as per MCMC SRSP-530 RFID.
		RFID	2 W (ERP)			
			4 W (ERP)			
39.	923 MHz - 924 MHz	SRC device	500 mW EIRP	ETSI EN 300 220 or FCC Part 15		≤ 500 mW (EIRP) with duty cycle < 1 % or frequency hopping or LBT
40.	1 880 MHz - 1 900 MHz	SRC device	250 mW (EIRP)	ETSI EN 300 440		N/A
		Cordless Telephone	250 mW (EIRP)	ETSI EN 300 176		
41.	2 400 MHz - 2 483.5 MHz	Cordless Telephone	100 mW (EIRP)	ETSI EN 300 440		N/A
		SRC device	500 mW EIRP	ETSI EN 300 328		
42.	2 400 MHz - 2 500 MHz	RFID	500 mW (EIRP)	ETSI EN 300 440 or ETSI EN 300 328 or FCC Part 15		N/A
		Closed-Circuit Television (CCTV) access device	1W (EIRP)			
		Wireless microphone	50 mW (EIRP)			
		ISM device	500 mW (EIRP)	ETSI EN 300 440 or ETSI EN 300 328 or FCC Part 15		
		Radio Local Area Network (RLAN)				
SRC device	500 mW (EIRP)					

Notes:

- ERP refers to radiation of a half wave tuned dipole, which is used for frequencies below 1 GHz.
- EIRP is a product of the power supplied to the antenna and the maximum antenna gain, relative to an isotropic antenna, and is used for frequencies above 1 GHz. There is a of 2.15 dB between EIRP and ERP [EIRP (dBm) = ERP (dBm) + 2.15].
- Certification of all equipment is required in accordance with the aforementioned standards or any other relevant standards. The certifying agency will verify the relevancy of any standards through the certification process, which includes conducting a comprehensive suitability study and gap analysis subject to regulator's approval.

Table 1. Technical requirements for short range devices (continued)

No.	Operating frequency	Type of equipment	Maximum RF output power	Transmitter and receiver spurious emission	Test reference	Remarks
43.	3 100 MHz - 3 400 MHz	UWB communication device	- 36 dBm (EIRP)	ETSI EN 302 065	ETSI EN 303 883	To fulfil the conditions as per <i>Class Assignment</i> for UWB.
44.	3 700 MHz - 3 800 MHz	UWB communication device	- 40 dBm (EIRP)			
45.	3 800 MHz - 6 000 MHz	UWB communication device	- 30 dBm (EIRP)			
46.	4 940 MHz - 4 990 MHz	CCTV access device	1 W (EIRP)	ETSI EN 300 440		For government use only. Subject to an Apparatus Assignment as per <i>Class Assignment</i> for CCTV hub station.
47.	5 150 MHz - 5 250 MHz	SRC device	200 mW (EIRP) (for indoor and outdoor use) <sup>a</sup>	ETSI EN 300 440 or FCC Part 15		N/A
		RLAN		ETSI EN 301 893 or FCC Part 15		
		SRC device	1W (EIRP) (for indoor use) <sup>b</sup>	ETSI EN 300 440 or FCC Part 15		
		RLAN		ETSI EN 301 893 or FCC Part 15		
		CCTV access device	1 W (EIRP)	ETSI EN 300 440 or FCC Part 15		
<p><sup>a</sup> Indoor use, including installations inside road vehicles, trains and aircraft, and limited outdoor use shall not be attached to a fixed outdoor antenna, fixed infrastructure or to the external body of road vehicles.</p> <p><sup>b</sup> Indoor use, including installations inside road vehicles, trains and aircraft.</p>						
<p>Notes:</p> <ol style="list-style-type: none"> <li>ERP refers to radiation of a half wave tuned dipole, which is used for frequencies below 1 GHz.</li> <li>EIRP is a product of the power supplied to the antenna and the maximum antenna gain, relative to an isotropic antenna, and is used for frequencies above 1 GHz. There is a of 2.15 dB between EIRP and ERP [EIRP (dBm) = ERP (dBm) + 2.15].</li> <li>Certification of all equipment is required in accordance with the aforementioned standards or any other relevant standards. The certifying agency will verify the relevancy of any standards through the certification process, which includes conducting a comprehensive suitability study and gap analysis subject to regulator's approval.</li> </ol>						

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**Table 1. Technical requirements for short range devices (continued)**

No.	Operating frequency	Type of equipment	Maximum RF output power	Transmitter and receiver spurious emission	Test reference	Remarks
48.	5 250 MHz - 5 350 MHz	SRC device	1 W (EIRP) (for indoor use) <sup>c</sup>	ETSI EN 300 440 or FCC Part 15		SRC device operating under this provision shall implement Dynamic Frequency Selection (DFS) and Transmit Power Control (TPC) function in the frequency range 5.250 GHz - 5.350 GHz.
		RLAN		ETSI EN 301 893 or FCC Part 15		
		CCTV access device	1 W (EIRP)	ETSI EN 300 440 or FCC Part 15		
49.	5 470 MHz - 5 650 MHz	SRC device	1 W (EIRP)	ETSI EN 300 440 or FCC Part 15		SRC device operating under this provision shall implement DFS and TPC.
		RLAN		ETSI EN 301 893 or FCC Part 15		
50.	5 650 MHz - 5 725 MHz	CCTV access device	1 W (EIRP)	ETSI EN 300 440 or FCC Part 15		For government use only. Subject to an Apparatus Assignment as per <i>Class Assignment</i> for CCTV hub station.
51.	5 725 MHz - 5 850 MHz	Wireless microphone	50 mW (EIRP)	ETSI EN 300 440 or FCC Part 15		N/A
<sup>c</sup> Indoor use inside buildings only. Installation in road vehicles, trains and aircraft are not permitted.						
Notes:						
1. ERP refers to radiation of a half wave tuned dipole, which is used for frequencies below 1 GHz.						
2. EIRP is a product of the power supplied to the antenna and the maximum antenna gain, relative to an isotropic antenna, and is used for frequencies above 1 GHz. There is a of 2.15 dB between EIRP and ERP [EIRP (dBm) = ERP (dBm) + 2.15].						
3. Certification of all equipment is required in accordance with the aforementioned standards or any other relevant standards. The certifying agency will verify the relevancy of any standards through the certification process, which includes conducting a comprehensive suitability study and gap analysis subject to regulator's approval.						

Table 1. Technical requirements for short range devices (continued)

No.	Operating frequency	Type of equipment	Maximum RF output power	Transmitter and receiver spurious emission	Test reference	Remarks
52.	5 725 MHz - 5 875 MHz	ISM device	500 mW (EIRP)	ETSI EN 300 440 or FCC Part 15		N/A
		SRC device	1 W (EIRP)			
		RLAN				
		CCTV access device		ETSI EN 300 440 or FCC Part 15		
53.	5 925 MHz - 6 425 MHz	Narrowband device	25 mW (EIRP) (for indoor and outdoor use) <sup>d</sup>	ETSI EN 303 687 or FCC Part 15		To fulfil the conditions as per <i>Class Assignment</i> for SRD.
		SRC device				
		RLAN	25 mW (EIRP) (for indoor and outdoor use) <sup>d</sup>	ETSI EN 303 687 or FCC Part 15		N/A
			250 mW EIRP (for indoor use) <sup>e</sup>			
54.	6 000 MHz - 8 500 MHz	UWB communication device	0 dBm (EIRP)	ETSI EN 302 065	ETSI EN 303 883	To fulfil the conditions as per <i>Class Assignment</i> for UWB.
		UWB road and rail devices	-13.3 dBm (EIRP)			
55.	8 500 MHz - 10 600 MHz	UWB communication device	-25 dBm (EIRP)	ETSI EN 302 065	ETSI EN 303 883	To fulfil the conditions as per <i>Class Assignment</i> for UWB.
<sup>d</sup> Indoor and outdoor use, intended to cover short-range applications for small area direct communications. <sup>e</sup> Indoor use, intended to be permanently in buildings, in aircraft or in trains.						
Notes: 1. ERP refers to radiation of a half wave tuned dipole, which is used for frequencies below 1 GHz. 2. EIRP is a product of the power supplied to the antenna and the maximum antenna gain, relative to an isotropic antenna, and is used for frequencies above 1 GHz. There is a of 2.15 dB between EIRP and ERP [EIRP (dBm) = ERP (dBm) + 2.15]. 3. Certification of all equipment is required in accordance with the aforementioned standards or any other relevant standards. The certifying agency will verify the relevancy of any standards through the certification process, which includes conducting a comprehensive suitability study and gap analysis subject to regulator's approval.						

## MCMC MTSFB TC T007:2026

**Table 1. Technical requirements for short range devices (concluded)**

No.	Operating frequency	Type of equipment	Maximum RF output power	Transmitter and receiver spurious emission	Test reference	Remarks
56.	21.65 GHz - 22 GHz	Automotive radar sensor	0 dBm (EIRP)	ETSI EN 302 288 <sup>f</sup> or FCC Part 15		To fulfil the conditions as per <i>Class Assignment</i> for Automotive radar sensor.
57.	22 GHz - 29.5 GHz		0 dBm (EIRP)			
58.	24 GHz - 24.25 GHz	ISM device	500 mW (EIRP)	ETSI EN 300 440 or FCC Part 15		N/A
		SRC device	1 W (EIRP)			
		Automotive radar sensor	30 dBm (EIRP)			
59.	57 GHz - 64 GHz	SRC device	10 W (EIRP)	ETSI EN 302 567 or ETSI EN 305 550 or FCC Part 15		
60.	61 GHz - 61.5 GHz	ISM device	500 mW (EIRP)	ETSI EN 305 550 or FCC Part 15		
61.	76 GHz - 77 GHz	Security device	50 mW (EIRP)	ETSI EN 305 550		
		Automotive radar sensor	55 dBm (EIRP)	ETSI EN 301 091		
62.	77 GHz - 81 GHz	Automotive radar sensor	55 dBm (EIRP)	ETSI EN 302 264		
63.	122 GHz - 123 GHz	ISM device	500 mW (EIRP)	ETSI EN 305 550		
		SRC device	1 W (EIRP)			
64.	244 GHz - 246 GHz	ISM device	500 W (EIRP)	ETSI EN 305 550		
		SRC device	1 W (EIRP)			
<sup>f</sup> Transmitter and receiver spurious emissions and test reference recommended by ERC Recommendation 70-03.						
<b>Notes:</b> <ol style="list-style-type: none"> <li>ERP refers to radiation of a half wave tuned dipole, which is used for frequencies below 1 GHz.</li> <li>EIRP is a product of the power supplied to the antenna and the maximum antenna gain, relative to an isotropic antenna, and is used for frequencies above 1 GHz. There is a of 2.15 dB between EIRP and ERP [EIRP (dBm) = ERP (dBm) + 2.15].</li> <li>Certification of all equipment is required in accordance with the aforementioned standards or any other relevant standards. The certifying agency will verify the relevancy of any standards through the certification process, which includes conducting a comprehensive suitability study and gap analysis subject to regulator's approval.</li> </ol>						

**Annex A**  
(normative)

**Normative references**

MCMC MTSFB TC T022, *Communications Equipment - Baseline Requirements*

*Class Assignment, MCMC*

<https://mcmc.gov.my/en/spectrum/assignment-of-spectrum/class-assignment>

MCMC SRSP-530 RFID, *Requirements for Radio Frequency Identification Device RFID - Operating in Frequency Band 919 MHz to 923 MHz*

ETSI EN 300 176, *Digital Enhanced Cordless Telecommunications (DECT); Test Specification*

ETSI EN 300 220, *Short Range Devices (SRD) operating in the frequency range 25 MHz to 1 000 MHz*

ETSI EN 300 328, *Electromagnetic compatibility and Radio spectrum Matters (ERM); Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques; Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive*

ETSI EN 300 330, *Short Range Devices (SRD); Radio equipment in the frequency range 9 kHz to 25 MHz and inductive loop systems in the frequency range 9 kHz to 30 MHz; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU*

ETSI EN 300 422, *Wireless Microphones; Audio PMSE up to 3 GHz*

ETSI EN 300 440, *Short Range Devices (SRD); Radio equipment to be used in the 1 GHz to 40 GHz frequency range; Harmonised Standard for access to radio spectrum*

ETSI EN 301 091, *Short Range Devices; Transport and Traffic Telematics (TTT); Radar equipment operating in the 76 GHz to 77 GHz range; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU*

ETSI EN 301 357, *Cordless audio devices in the range 25 MHz to 2 000 MHz; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU*

ETSI EN 301 839, *Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Ultra Low Power Active Medical Implants (ULP-AMI) and Peripherals (ULP-AMI-P) operating in the frequency range 402 MHz to 405 MHz*

ETSI EN 301 893, *5 GHz RLAN; Harmonised standard covering the essential requirements of article 3.2 of Directive 2014/53/EU*

ETSI EN 302 065, *Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD) using Ultra Wide Band technology (UWB) for communications purposes; Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive*

ETSI EN 302 195, *Short Range Devices (SRD); Ultra Low Power Active Medical Implants (ULP-AMI) and accessories (ULP-AMI-P) operating in the frequency range 9 kHz to 315 kHz Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU*

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ETSI EN 302 208, *Electromagnetic compatibility and Radio spectrum Matters (ERM); Radio Frequency Identification Equipment operating in the band 865 MHz to 868 MHz with power levels up to 2 W and in the band 915 MHz to 921 MHz with power levels up to 4 W*

ETSI EN 302 264, *Short Range Devices; Transport and Traffic Telematics (TTT); Short Range Radar equipment operating in the 77 GHz to 81 GHz band; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU*

ETSI EN 302 288, *Short Range Devices; Transport and Traffic Telematics (TTT); Ultra-wideband radar equipment operating in the 24,25 GHz to 26,65 GHz range; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU*

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