

SHORT RANGE DEVICES (SRD) LIST FREQUENCY BANDS AVAILABLE IN FRANCE

The ANFR is responsible for maintaining and publishing the French Frequency Allocation Table, the “Tableau national de répartition des bandes de fréquences ([TNRBF](#))”, which is adopted by decree of the Prime Minister.

Annex 7 of the TNRBF provides the list of frequency bands available in France for Short Range Devices (SRD). Corresponding national spectrum regulations are given in decisions published by the Arcep. These regulations are generally consistent with applicable EU regulations.

References of applicable EU regulations

SRD (1): Decision 2006/771/EC, as amended by [Commission Implementing Decision \(EU\) 2022/180 of 8 February 2022](#)

SRD (2): Decision (EU) 2018/1538, as amended by [Commission Implementing Decision \(EU\) 2022/172 of 7 February 2022](#)

5 GHz WAS/RLANs: Decision (EU) 2022/179, as amended by [Commission Implementing Decision \(EU\) 2022/2307 of 23 November 2022](#)

6 GHz WAS/RLANs: [Commission Implementing Decision \(EU\) 2021/1067 of 17 June 2021](#)

UWB: [Commission Implementing Decision \(EU\) 2019/785 of 14 May 2019](#)

Frequency bands available in France for various license-exempt radiocommunication devices

For convenience, information on spectrum regulations available in France for license-exempt radiocommunication devices that is provided in this document is limited to frequency bands included in tables 1.a (non-specific SRDs), 1.b (Generic UWB), 2 (Tracking, tracing and data acquisition) and 3 (Wideband data transmission devices including WAS/RLANs) of **Annex 7 of the TNRBF**.

The regulatory conditions of use of these frequency bands are detailed in the EU spectrum regulations which references are indicated in the tables below.

1.a Non-specific short-range devices

Frequency band	Max power	References / remark
13 553-13 567 kHz	10 mW e.r.p.	Amended Decision 2006/771/EC (band n° 27c)
26 957-27 283 kHz	10 mW e.r.p.	Amended Decision 2006/771/EC (band n° 28)
	100 mW p.a.r Limited to the following channels: 26 990-27 000 kHz, 27 040-27 050 kHz, 27 090-27 100 kHz, 27 140-27 150 kHz, 27 190-27 200 kHz	Amended Decision 2006/771/EC (bands n° 29, 30, 31, 32, 33)
40,66-40,7 MHz	10 mW e.r.p.	Amended Decision 2006/771/EC (band n° 35)
169,4-169,475 MHz	500 mW e.r.p.	Amended Decision 2006/771/EC (band n° 37c)
169,4-169,4875 MHz	10 mW e.r.p.	Amended Decision 2006/771/EC (band n° 38)
169,4875-169,5875 MHz	10 mW e.r.p.	Amended Decision 2006/771/EC (band n° 39b)
169,5875-169,8125 MHz	10 mW e.r.p.	Amended Decision 2006/771/EC (band n° 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	Amended Decision 2006/771/EC (band n° 44a). Voice applications are allowed with advanced mitigation techniques. Other audio and video applications are excluded.
	10 mW e.r.p.	Amended Decision 2006/771/EC (band n° 44b)
434,04-434,79 MHz	10 mW e.r.p.	Amended Decision 2006/771/EC (band n° 45c). Voice applications are allowed with advanced mitigation techniques. Other audio and video applications are excluded.
862-863 MHz	25 mW e.r.p.	Amended Decision 2006/771/EC (band n° 87)

Frequency band	Max power	References / remark
863-865 MHz	25 mW e.r.p.	Amended Decision 2006/771/EC (band n° 46a)
865-868 MHz	25 mW e.r.p.	Amended Decision 2006/771/EC (band n° 47)
868-868,6 MHz	25 mW e.r.p.	Amended Decision 2006/771/EC (band n° 48)
868,7-869,2 MHz	25 mW e.r.p.	Amended Decision 2006/771/EC (band n° 50)
869,4-869,65 MHz	500 mW e.r.p.	Amended Decision 2006/771/EC (band n° 54)
869,7-870 MHz	5 mW e.r.p.	Amended Decision 2006/771/EC (band n° 56a) Voice applications are allowed with advanced mitigation techniques. Other audio and video applications are excluded.
	25 mW e.r.p.	Amended Decision 2006/771/EC (band n° 56b)
2 400-2 483,5 MHz	10 mW e.i.r.p.	Amended Decision 2006/771/EC (band n° 57a)
5 725-5 875 MHz	25 mW e.i.r.p.	Amended Decision 2006/771/EC (band n° 61)
24,00-24,10 GHz	100 mW e.i.r.p.	-
24,10-24,15 GHz	0,1 mW e.i.r.p.	-
24,15-24,25 GHz	100 mW e.i.r.p.	Amended Decision 2006/771/EC (band n° 70a)
57-64 GHz	100 mW e.i.r.p. and a maximum transmit power of 10 dBm	Amended Decision 2006/771/EC (band n° 74a)
61-61,5 GHz	100 mW e.i.r.p.	Amended Decision 2006/771/EC (band n° 76)
122-122,25 GHz	10 dBm/250MHz e.i.r.p. and -48 dBm/MHz at 30° elevation	Amended Decision 2006/771/EC (band n° 80a)
122,25-123 GHz	100 mW e.i.r.p.	Amended Decision 2006/771/EC (band n° 80b)
244-246 GHz	100 mW e.i.r.p.	Amended Decision 2006/771/EC (band n° 81)

1.b Equipment using ultra-wideband technology

For UWB equipment considered under section 1.b of **Annex 7 of the TNRBF**, see Annex § 1. (GENERIC ULTRA-WIDEBAND (UWB) USAGE) of Commission Implementing Decision (EU) 2019/785 of 14 May 2019 on the harmonisation of radio spectrum for equipment using ultra-wideband technology.

2. Tracking, tracing and data acquisition

Frequency band	Max power/field strength	References / remark
169,4-169,475 MHz	500 mW e.r.p.	Amended Decision 2006/771/EC (band n° 37c) For metering devices
865-868 MHz	500 mW e.r.p. Limited to the following channels: 865,6-865,8 MHz, 866,2-866,4 MHz, 866,8-867,0 MHz et 867,4-867,6 MHz	Amended Decision 2006/771/EC (band n° 47b) This set of usage conditions is only available for data networks.
874-874,4 MHz	500 mW e.r.p.	Amended Decision (EU) 2018/1538 (band n° 1) This set of usage conditions is only available for data networks. All nomadic and mobile devices within the data network shall be controlled by a master network access point.
917,3-918,9 MHz	500 mW e.r.p. Limited to the following channels: 917,3-917,7 MHz et 918,5-918,9 MHz	Amended Decision (EU) 2018/1538 (band n° 4) This set of usage conditions is only available for data networks. All nomadic and mobile devices within the data network shall be controlled by a master network access point.
917,4-919,4 MHz	25 mW p.a.r	Amended Decision (EU) 2018/1538 (band n° 5) This set of usage conditions is only available for short-range device in data networks. All nomadic and mobile devices within the data network shall be controlled by a master network access point.

3. Wideband data transmission devices including WAS/RLANs

3.a Wideband data transmission devices

Frequency band	Max power	References / remark
863-868 MHz	25 mW e.r.p.	Amended Decision 2006/771/EC (band n° 84) This set of usage conditions is only available for wideband SRDs in data networks.
917,4-919,4 MHz	25 mW e.r.p.	Amended Decision (EU) 2018/1538 (band n° 2) This set of usage conditions is only available for wideband short-range devices in data networks. All nomadic and mobile devices within the data network shall be controlled by a master network access point.
2 400-2 483,5 MHz	100 mW e.i.r.p.	Amended Decision 2006/771/EC (band n° 57c)
57-71 GHz	40 dBm e.i.r.p. and 23 dBm/MHz e.i.r.p. density	Amended Decision 2006/771/EC (band n° 75) Fixed outdoor installations are excluded.
57-71 GHz	40 dBm e.i.r.p., 23 dBm/MHz e.i.r.p. density and maximum transmit power of 27 dBm at the antenna port or ports.	Amended Decision 2006/771/EC (band n° 75a)
57-71 GHz	55 dBm e.i.r.p., 38 dBm/MHz e.i.r.p. density and a transmit antenna gain ≥ 30 dBi	Amended Decision 2006/771/EC (band n° 75b) This set of usage conditions is only available to fixed outdoor installations.

3.b Wireless access systems including radio local area networks (WAS/RLANs) in the 5 150-5 250 MHz, 5 250-5 350 MHz and 5 470-5 725 MHz frequency bands

Frequency band	Max power	References / remark
5 150 - 5 250 MHz	200 mW e.i.r.p. 10 mW/MHz e.i.r.p. density	Amended Decision (EU) 2022/179 Indoor use, including installations inside road vehicles, trains and aircraft, and limited outdoor use.
5 250 - 5 350 MHz	200 mW e.i.r.p. 10 mW/MHz e.i.r.p. density	Amended Decision (EU) 2022/179 Indoor use: inside buildings only. Installations in road vehicles, trains and aircraft are not permitted. Outdoor use is not permitted.
5 470 - 5 725 MHz	1 W e.i.r.p. 50 mW/MHz e.i.r.p. density	Amended Decision (EU) 2022/179

3.c Wireless access systems including radio local area networks (WAS/RLANs) in the 5945-6425 MHz frequency band

Frequency band	Max power	References / remark
5 945 - 6 425 MHz	23 dBm e.i.r.p. 10 dBm/MHz e.i.r.p. density Maximum mean e.i.r.p. density for out-of-band emissions below 5 935 MHz: -22 dBm/MHz	Decision (EU) 2021/1067 Low Power Indoor (LPI) WAS/RLAN devices. Outdoor use, including in road vehicles, is not permitted.
5 945 - 6 425 MHz	14 dBm e.i.r.p. 1 dBm/MHz e.i.r.p. density (10 dBm/MHz e.i.r.p. density for narrow-band devices) Maximum mean e.i.r.p. density for out-of-band emissions below 5 935 MHz: -45 dBm/MHz	Decision (EU) 2021/1067 Very Low Power (VLP) WAS/RLAN devices. Indoors and outdoors. The VLP device is a portable device.