

**USE OF FREQUENCIES BY AMATEUR AND AMATEUR  
SATELLITE SERVICES**

Under the terms of paragraph 1 of article 15 of Decree-Law no. 53/2009 of 2 March, access to frequency bands by the various amateur categories is governed by the following conditions:

Frequency bands <sup>h)</sup>	Access by amateur categories and maximum allowed power [W] <sup>a) b)</sup>				Status of service <sup>e)</sup>	
	1 and A <sup>c)</sup>	B	2 <sup>d)</sup>	C	Amateur	Amateur satellite
135.7 - 137.8 kHz	1 [e.i.r.p.]	1 [e.i.r.p.]			S	
472 - 479 kHz	1 [e.i.r.p.]	1 [e.i.r.p.]			S	
1,810 - 1,830 <sup>f)</sup> kHz	200				S	
1,830 - 1,850 kHz	1500	750			P	
3,500 - 3,700 kHz	1500	750			P	
3,700 - 3,800 kHz	1500	750	200		P	
7,000 - 7,100 kHz	1500	750			P	P
7,100 - 7,200 kHz	1500	750	200		P	
10,100 - 10,150 kHz	750	200			S	
14,000 - 14,125 kHz	1500	750			P	P
14,125 - 14,250 kHz	1500	750	200		P	P
14,250 - 14,350 kHz	1500	750	200		P	
18,068 - 18,168 kHz	1500	750			P	P
21,000 - 21,151 kHz	1500	750			P	P
21,151 - 21,450 kHz	1500	750	200		P	P
24,890 - 24,990 kHz	1500	750			P	P
28 - 29.7 MHz	1500	750	200	100	P	P
50 - 50.5 MHz	300 <sup>i)</sup>	150 <sup>i)</sup>	150 <sup>i)</sup>		S	
50.5 - 51 MHz	25[e.r.p.]	25[e.r.p.]			S	
51 - 52 MHz	300	150	150	50	S	
70.1570 - 70.2125 MHz	100[e.r.p.]				S	
70.2375 - 70.2875 MHz	100[e.r.p.]				S	
144 - 145.806 MHz	300 <sup>i)</sup>	150 <sup>i)</sup>	150	50	P	P
145.806 - 146 MHz	300	150	150			P
430 - 435 MHz	300 <sup>i)</sup>	150 <sup>i)</sup>	150	50	P	
435 - 438 MHz	300	150				S
438 - 440 MHz	300	150	150	50	P	
1,240 - 1,260 MHz	50[e.i.r.p.]	50[e.i.r.p.]			S	
1,260 - 1,270 MHz	50[e.i.r.p.]	50[e.i.r.p.]				S
1,270 - 1,300 MHz	300[e.i.r.p.] <sup>i)</sup>	300[e.i.r.p.] <sup>i)</sup>	100[e.i.r.p.]		S	
2,300 - 2,400 MHz	<sup>g)</sup>	<sup>g)</sup>			S	
2,400 - 2,450 MHz	<sup>g)</sup>	<sup>g)</sup>			S	S

Frequency bands <sup>h)</sup>	Access by amateur categories and maximum allowed power [W] <sup>a) b)</sup>				Status of Service <sup>e)</sup>	
	1 and A <sup>c)</sup>	B	2 <sup>d)</sup>	C	Amateur	Amateur satellite
5,650 - 5,668 MHz	g)	g)				S
5,668 - 5,670 MHz	g)	g)			S	S
5,670 - 5,830 MHz	g)	g)			S	
5,830 - 5,850 MHz	g)	g)				S
10 - 10.37 GHz	300[e.i.r.p.] <sup>i)</sup>	300[e.i.r.p.] <sup>i)</sup>			S	
10.37 - 10.45 GHz	g)	g)			S	
10.45 - 10.5 GHz	300[e.i.r.p.]	300[e.i.r.p.]			S	S
24 - 24.05 GHz	50	10	10		P	P
24.05 - 24.25 GHz	50	10			S	
47 - 47.2 GHz	50	10	10		P	P
75.5 - 76 GHz	50				S	S
76 - 77.5 GHz	50				S	S
77.5 - 78 GHz	50	10	10		P	P
78 - 81 GHz	50				S	S
122.25 - 123 GHz	50				S	
134 - 136 GHz	50	10	10		P	P
136 - 141 GHz	50				S	S
241 - 248 GHz	50				S	S
248 - 250 GHz	50	10	10		P	P

- a) - Peak power unless stated otherwise
- b) - The communication must be carried out using the minimum necessary power
- c) - Applies to holders of a CEPT license issued under CEPT Recommendation T/R 61-01, subject to conditions specified therein, and to holders of a Class A Radio-amateur Station Operator Certificate (COER) issued by the Government of the Federative Republic of Brazil in the event of a temporary movement
- d) - Applies to holders of a CEPT license issued under Recommendation CEPT ECC/REC/(05)06, subject to conditions specified therein, and to holders of a Class B Radio-amateur Station Operator Certificate (COER) issued by the Government of the Federative Republic of Brazil in the event of a temporary movement
- e) - P (primary) or S (secondary)
- f) - In the POR geographical area, use must be on a basis of non-interference with other services located outside the Portuguese territory
- g) - Authorisations are granted on a case-by-case basis exclusively for the purpose of scientific research, experiments or other activities with interest for radio amateurism and for limited periods of time
- h) - Emission modes and band widths shall comply with IARU recommendations in all matters which are not contrary to applicable legislation, namely frequency plans for certain bands defined and published by ANACOM
- i) - Where aerials are directed to space (for example, to lunar reflection) no maximum power limit is specified. However, the maximum power established for each frequency band shall not be exceeded, according to the horizon