



## Overview of UHF frequency allocations (860 to 930 MHz) for RAIN RFID

29 April 2024

This document provides an unofficial overview of known UHF allocations in 81 countries for passive RFID in the 860 to 930 MHz band.

Details include:

- Frequency: allocations authorised for RFID applications, specifically within the 860 to 960 MHz band of the UHF spectrum
- Power: maximum wattage allowed for RFID, calculated as ERP (Effective Radiated Power) or EIRP (Equivalent Isotropic Radiated Power)
- Reader-tag communication technique: FHSS: Frequency Hopping Spread Spectrum / LBT: Listen Before Talk / ETSI: per ETSI 302 208
- Regulator: contact details of respective national regulatory body

**New information** added since the previous (November 2022) update:

**Belgium** includes link to BIPT reference of B07-06-V2.1 of 29 March 2022

**Italy** and **Portugal** indicate implementation of (EU) 2018/1538

### Note on the “upper band” (915-921 MHz) of ETSI EN 302 208 / CEPT REC 70 03:

Per [Commission Implementing Decision \(EU\) 2018/1538](#) of 11 October 2018, interrogator transmissions of 4 W ERP are only permitted at centre frequencies 916.3 MHz, 917.5 MHz and 918.7 MHz. Some EU Member States may implement even fewer (or no) channels within the upper band.

Of the 46 [CEPT](#) countries, the following **23 countries have implemented (EU) 2018/1538**: Albania, Austria, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Hungary, Italy, Ireland, Lithuania, Luxembourg, Malta, Moldova, North Macedonia, Norway, Portugal, Slovakia, Slovenia, Sweden, United Kingdom. An additional 2 countries have **limited implementation of (EU) 2018/1538**: Liechtenstein, Switzerland.

*Submission of updated allocation information and errata should be communicated to Craig Alan Repec ([craig.alan.repec@gs1.org](mailto:craig.alan.repec@gs1.org)) at GS1 Global Office.*

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Country	Frequency in MHz	Power	Technique	Comments	Regulator
Albania	865.6 - 867.6	2 W ERP	ETSI		Autoritetit I Komunikimevi Elektronike dhe Postare (AKEP) +355 4 2259571 <a href="mailto:frekuenca@akep.al">frekuenca@akep.al</a>
	915 - 921	4 W ERP			
Algeria	870 - 876	100 mW EIRP			Agence Nationale des Fréquences <a href="http://www.anf.dz/pdf/caf/RFID.pdf">http://www.anf.dz/pdf/caf/RFID.pdf</a>
	880 - 885				
	915 - 921				
	925 - 926				
Argentina	902 - 928	4 W EIRP	FHSS		Comisión Nacional de Comunicaciones (CNC) +54 11 4347 9540 <a href="http://www.cnc.gov.ar">www.cnc.gov.ar</a>
Armenia	865.6 - 867.6	2 W ERP	ETSI		Public Services Regulatory Commission +374 10 582 159 <a href="http://www.psrc.am">www.psrc.am</a> <a href="mailto:psrc@psrc.am">psrc@psrc.am</a>
Australia	920 - 926	4 W EIRP			Australian Communications and Media Authority +61 2 6219 5555 <a href="http://www.acma.gov.au">www.acma.gov.au</a>
	918 - 926	1 W EIRP			
Austria	865.6 - 867.6	2 W ERP	ETSI		Communication Authority Austria +43 1 58058-0 <a href="mailto:rtr@rtr.at">rtr@rtr.at</a> <a href="http://www.rtr.at">www.rtr.at</a>
	916.1 - 918.9	4 W ERP	EU 2018/1538	Interrogator transmissions at 4 W ERP only permitted at the centre frequencies 916.3 MHz, 917.5 MHz and 918.7 MHz.	
Azerbaijan	865.6 - 867.6	2 W ERP	ETSI		Ministry of Communications and Information Technologies +994 12 498 5838 <a href="mailto:mincom@mincom.gov.az">mincom@mincom.gov.az</a> <a href="http://www.mincom.gov.az">www.mincom.gov.az</a>

Country	Frequency in MHz	Power	Technique	Comments	Regulator
Bangladesh	925.0 - 927.0				Bangladesh Telecommunication Regulatory Commission (BTRC) +880 2 989 0027 <a href="mailto:trbproj@bttb.net.bd">trbproj@bttb.net.bd</a>
Belarus	865.6 - 867.6	2 W ERP	ETSI	Under License. The assignment of radio frequencies or channels should be performed in established order.	Ministry of Communications and Informatization +375 17 227 3861 <a href="mailto:mpt@mpt.gov.by">mpt@mpt.gov.by</a>
Belgium	865.6 - 867.6	2 W ERP	ETSI		Institut belge des services postaux et des télécommunications - IBPT +32 2 226 8888 <a href="mailto:info@bipt.be">info@bipt.be</a> <a href="http://www.bipt.be">www.bipt.be</a>
	916.1 - 918.9	4 W ERP	EU 2018/1538	Interrogator transmissions at 4 W ERP only permitted at the centre frequencies 916.3 MHz, 917.5 MHz and 918.7 MHz.	<b>BIPT reference of <a href="#">B07-06-V2.1</a> of 29 March 2022</b>
Bosnia and Herzegovina	865.6 - 867.6	2 W ERP	ETSI		Communications Regulatory Agency (RAK) +387 33 250 600 <a href="mailto:info@rak.ba">info@rak.ba</a> <a href="http://www.rak.ba">www.rak.ba</a>
Brazil	902 - 907.5	4 W EIRP	FHSS		Agência Nacional de Telecomunicações - ANATEL +55 61 2312 2063 <a href="http://www.anatel.gov.br">www.anatel.gov.br</a>
	915 - 928	4 W EIRP	FHSS		
Brunei Darussalam	866 - 869	0.5 W ERP		License free Supports EN 302 208, EN 300 220-1 and FCC part 15	Authority for Info-communications Technology Industry of Brunei Darussalam (AITI) +673 2323232 <a href="http://www.aiti.gov.bn">www.aiti.gov.bn</a>
	923 - 925	2 W ERP			

Country	Frequency in MHz	Power	Technique	Comments	Regulator
Bulgaria	865.6 - 867.6	2 W ERP	ETSI		Communications Regulation Commission (CRC) +359 2 949 2418 <a href="mailto:chairman@crc.bg">chairman@crc.bg</a> <a href="http://www.crc.bg">www.crc.bg</a>
	916.1 - 918.9	4 W ERP	EU 2018/1538	Interrogator transmissions at 4 W ERP only permitted at the centre frequencies 916.3 MHz, 917.5 MHz and 918.7 MHz.	<a href="https://www.mtitc.government.bg/sites/default/files/fr_eq_plan_2018_bq-1_03092018.pdf">https://www.mtitc.government.bg/sites/default/files/fr_eq_plan_2018_bq-1_03092018.pdf</a> <a href="https://crc.bg/files/Pravila_06_12_2018.pdf">https://crc.bg/files/Pravila_06_12_2018.pdf</a>
Canada	902 - 928	4 W EIRP	FHSS		Canadian Radio-Television and Telecommunications Commission +1 819 997 031 <a href="mailto:david.bell@crtc.gc.ca">david.bell@crtc.gc.ca</a> <a href="http://www.crtc.gc.ca">www.crtc.gc.ca</a>
Chile	913 - 919	1 W EIRP	FHSS	Alternatively, RFID equipment operating 902-928 MHz is allowed a maximum field strength of 80 mV/m at 3 meters.	Subsecretaría de Telecomunicaciones Ministerio de Transportes y Telecomunicaciones +56 2 421 3502 <a href="mailto:gabinete@subtel.cl">gabinete@subtel.cl</a> <a href="http://www.subtel.cl">www.subtel.cl</a>
	915 - 928	500 mW EIRP			
	925 - 928	1 W EIRP			
China	920.5 - 924.5	2 W ERP	FHSS		Ministry of Information Industry +86 10 6601 4670 <a href="mailto:tangzicai@mii.gov.cn">tangzicai@mii.gov.cn</a> <a href="mailto:dito@mii.gov.cn">dito@mii.gov.cn</a> <a href="http://www.mii.gov.cn">www.mii.gov.cn</a>
Colombia	915 - 928	4 W EIRP	FHSS	The National Spectrum Chart is now administered by ANE, including <a href="#">specific rules for unlicensed bands</a> ; actual rules are included in <a href="#">Resolution 105 of 2020</a> .	Agencia Nacional del Espectro (ANE) +57 (60) 1 6000030 <a href="https://www.ane.gov.co/SitePages/inicio.aspx">https://www.ane.gov.co/SitePages/inicio.aspx</a>
Costa Rica	902 - 928	4 W EIRP	FHSS		Autoridad Reguladora de los Servicios Públicos (ARESEP) +506 220 2070 <a href="mailto:aresepde@sol.racsa.co.cr">aresepde@sol.racsa.co.cr</a> <a href="http://www.aresep.go.cr">www.aresep.go.cr</a>

Country	Frequency in MHz	Power	Technique	Comments	Regulator
Croatia	865.6 - 867.6	2 W ERP	ETSI		Croatian Telecommunications Agency +385 1 489 6000 <a href="mailto:info@telekom.hr">info@telekom.hr</a> <a href="http://www.telekom.hr">www.telekom.hr</a>
Cyprus	865.6 - 867.6	2 W ERP	ETSI		Office of the Commissioner of Telecommunications and Postal Regulation +357 2269 3000 <a href="mailto:info@octpr.org.cy">info@octpr.org.cy</a> <a href="http://www.octpr.org.cy">www.octpr.org.cy</a>
	916.1 - 918.9	4 W ERP	EU 2018/1538	Interrogator transmissions at 4 W ERP only permitted at the centre frequencies 916.3 MHz, 917.5 MHz and 918.7 MHz.	<i>The relevant amendment of the Radiofrequency Plan was published in the Official Gazette of the Republic on 28/06/2019.</i>
Czech Republic	865.6 - 867.6	2 W ERP	ETSI		Czech Telecommunication Office +420 224 004 704 <a href="mailto:info@ctu.cz">info@ctu.cz</a> <a href="http://www.ctu.cz">www.ctu.cz</a>
	916.1 - 918.9	4 W ERP	EU 2018/1538	Interrogator transmissions at 4 W ERP only permitted at the centre frequencies 916.3 MHz, 917.5 MHz and 918.7 MHz.	<i>General Authorization No. VO-R/10/01.2019-1, Articles 11 and 15.</i>
Denmark	865.6 - 867.6	2 W ERP	ETSI		Danish Business Authority +45 35 29 10 00 <a href="mailto:erst@erst.dk">erst@erst.dk</a> <a href="http://www.erhvervsstyrelsen.dk/tele/0/3">http://www.erhvervsstyrelsen.dk/tele/0/3</a>
	916.1 - 918.9	4 W ERP	EU 2018/1538	Interrogator transmissions at 4 W ERP only permitted at the centre frequencies 916.3 MHz, 917.5 MHz and 918.7 MHz.	<i>The new revision of the national frequency plan can be found here:</i> <a href="https://www.retsinformation.dk/Forms/R0710.aspx?id=205121">https://www.retsinformation.dk/Forms/R0710.aspx?id=205121</a>
Dominican Republic	902 - 928	4 W EIRP	FHSS		Instituto Dominicano de las Telecomunicaciones (INDOTEL) +1 809 732 5555 <a href="mailto:internacionales@indotel.org.do">internacionales@indotel.org.do</a> <a href="http://www.indotel.org.do">www.indotel.org.do</a>
Estonia	865.6 - 867.6	2 W ERP	ETSI		Estonian National Communications Board (ENCB) +372 693 1154

Country	Frequency in MHz	Power	Technique	Comments	Regulator
	915 - 921	4 W ERP			<a href="mailto:postbox@sa.ee">postbox@sa.ee</a> <a href="http://www.sa.ee">www.sa.ee</a>
Finland	865.6 - 867.6	2 W ERP	ETSI		Finnish Communications Regulatory Authority (FICORA) +358 9 6966 1 <a href="mailto:info@ficora.fi">info@ficora.fi</a> <a href="http://www.ficora.fi">www.ficora.fi</a>
	916.1 - 918.9	4 W ERP	EU 2018/1538	Interrogator transmissions at 4 W ERP permitted at the centre frequencies 916.3 MHz, 917.5 MHz and 918.7 MHz.	<i>The latest version of Regulation 4 (Radiotaajuusmääräys M4Y EN) can be found here:</i> <a href="https://www.finlex.fi/fi/viranomaiset/normi/480001/44839">https://www.finlex.fi/fi/viranomaiset/normi/480001/44839</a> <i>The latest version of Regulation 15 (Regulation 15AO EN) can be found here:</i> <a href="https://www.finlex.fi/fi/viranomaiset/normi/480001/44836?search%5Btype%5D=pika&amp;search%5Bpika%5D=">https://www.finlex.fi/fi/viranomaiset/normi/480001/44836?search%5Btype%5D=pika&amp;search%5Bpika%5D=</a>
France	865.6 - 867.6	2 W ERP	ETSI		National Frequency Agency (ANFR) <a href="https://www.anfr.fr/accueil/">https://www.anfr.fr/accueil/</a>
	916.1 - 918.9	4 W ERP	EU 2018/1538	Interrogator transmissions at 4 W ERP permitted at the centre frequencies 916.3 MHz, 917.5 MHz and 918.7 MHz. Users must <a href="#">declare deployments to ANFR</a> .	Declaration of 916.1-918.8 MHz band use required at: <a href="https://www.anfr.fr/en/frequency-site-management/sites-servitudes-et-assignments/sites/declaration-rfid-en-bande-9161-9189-mhz/">https://www.anfr.fr/en/frequency-site-management/sites-servitudes-et-assignments/sites/declaration-rfid-en-bande-9161-9189-mhz/</a>
Germany	865.6 - 867.6	2 W ERP	ETSI		Federal Network Agency for Electricity, Gas, Telecommunication, Post and Railway +49 6131 18 0 <a href="mailto:poststelle@bnetza.de">poststelle@bnetza.de</a> <a href="http://www.bundesnetzagentur.de">www.bundesnetzagentur.de</a>
Greece	865.6 - 867.6	2 W ERP	ETSI		National Telecommunications and Posts Commission (EETT) +30 210 615 1000 <a href="mailto:info@eett.gr">info@eett.gr</a> <a href="http://www.eett.gr">www.eett.gr</a>
Hong Kong, China	865 - 868	2 W ERP			Office of the Telecommunications Authority (OFTA) of the Hong Kong Special Administrative Region <a href="http://www.ofta.gov.hk">www.ofta.gov.hk</a>
	920 - 925	4 W EIRP			

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Hungary	865.6 - 867.6	2 W ERP	ETSI		National Communications Authority, Hungary (NCAH) +36 1 457 7488 <a href="mailto:gulyas.robert@nhh.hu">gulyas.robert@nhh.hu</a> <a href="http://www.nhh.hu">www.nhh.hu</a>
	916.1 - 918.9	4 W ERP	EU 2018/1538	Interrogator transmissions at 4 W ERP only permitted at the centre frequencies 916.3 MHz, 917.5 MHz and 918.7 MHz.	Decree No. 7/2015 (XI.13.) NMHH of the President of the National Media and Infocommunications Authority, Hungary on the national frequency allocation and the rules of using frequency bands amended by Decree No. 2/2019 (III.22.) <a href="http://njt.hu/cgi_bin/njt_doc.cgi?docid=192196.36613_0">http://njt.hu/cgi_bin/njt_doc.cgi?docid=192196.36613_0</a>
Iceland	865.6 - 867.6	2 W ERP	ETSI		Post and Telecom Administration +354 510 1500 <a href="mailto:pta@pta.is">pta@pta.is</a> <a href="http://www.pta.is">www.pta.is</a>
India	865 - 867	4 W ERP			Wireless Planning & Coordination Wing Ministry of Communications & Information Technology Department of Telecommunications Sanchar Bhawan, New Delhi 110001
Indonesia	923 - 925	2 W ERP			Directorate General of Telecommunications +62 21 345 6332 <a href="mailto:ikhba@postel.go.id">ikhba@postel.go.id</a> <a href="http://www.postel.go.id">www.postel.go.id</a>
Iran, Islamic Rep.	865 - 868	2 W ERP	ETSI		Communications Regulatory Authority (CRA) +98 21 8840 3612 <a href="mailto:khosravi@cra.ir">khosravi@cra.ir</a> <a href="mailto:irnadm@cra.ir">irnadm@cra.ir</a>
Ireland	865.6 - 867.6	2 W ERP	ETSI		Commission for Communications Regulation +353 1 804 9619 <a href="mailto:info@comreg.ie">info@comreg.ie</a> <a href="http://www.comreg.ie">www.comreg.ie</a>
	915 - 921	4 W ERP			

Country	Frequency in MHz	Power	Technique	Comments	Regulator
Israel	915 - 917	2 W EIRP		Regulations of 27.08.2012 limit Out of Band (OoB) emissions; restrictions on duty cycle relax OoB linearly at 915 MHz.	Ministry of Communications +972 3 5198 222 <a href="mailto:mazarh@moc.gov.il">mazarh@moc.gov.il</a> <a href="http://www.moc.gov.il">www.moc.gov.il</a>
Italy	865.6 - 867.6	2 W ERP	ETSI		Autorità per le Garanzie nelle Comunicazioni (AGCOM) +39 081 7507111 <a href="mailto:info@agcom.it">info@agcom.it</a> <a href="http://www.agcom.it">www.agcom.it</a>
	916.1 - 918.9	4 W ERP	EU 2018/1538	Interrogator transmissions at 4 W ERP only permitted at the centre frequencies 916.3 MHz, 917.5 MHz and 918.7 MHz.	
Japan	916.7 - 920.9	4 W EIRP	Either LBT-free or LBT	License required for using 916.7-920.9 MHz up to 4 W EIRP. Channel bundle is allowed in 920.3-920.9 MHz.	Radio Policy Division, Radio Department, Telecommunications Bureau, Ministry of Internal Affairs and Communications +81-3-5253-5873 <a href="http://www.soumu.go.jp">www.soumu.go.jp</a>
	916.7 - 923.5	0.5 W EIRP	LBT	916.7-923.5 MHz available for unlicensed use up to 0.5 W EIRP	
Jordan	865 - 868	2.0 W ERP			Telecommunications Regulatory Commission (TRC) +962 6 550 1120 <a href="mailto:trc@trc.gov.jo">trc@trc.gov.jo</a> <a href="http://www.trc.gov.jo">www.trc.gov.jo</a>
Korea, Rep.	917 - 920.8	4 W EIRP	FHSS or LBT		Korea Communications Commission +82 2 750 1710 <a href="mailto:parksk@mic.go.kr">parksk@mic.go.kr</a> <a href="http://www.kcc.go.kr">www.kcc.go.kr</a>
	917 - 923.5	200 mW EIRP	FHSS or LBT		
Latvia	865.6 - 867.6	2 W ERP	LBT		Public Utilities Regulatory Commission +371 709 7200 <a href="mailto:sprk@sprk.gov.lv">sprk@sprk.gov.lv</a> <a href="http://www.sprk.gov.lv">www.sprk.gov.lv</a>
Liechtenstein	865.6 - 867.6	2 W ERP	ETSI		Office for Communications <a href="http://www.ak.llv.li">www.ak.llv.li</a>



Country	Frequency in MHz	Power	Technique	Comments	Regulator
	915 - 918	4 W ERP	limited ETSI	918-921 MHz reserved for ER-GSM protection	
Lithuania	865.6 - 867.6	2 W ERP	ETSI	Individual licence required.	Communications Regulatory Authority +370 5 210 5684 <a href="mailto:rrt@rrt.lt">rrt@rrt.lt</a> <a href="http://www.rrt.lt">www.rrt.lt</a>  <i>No 1V-91 of the Director of the Communications Regulatory Authority of the Republic of Lithuania of 28 January 2019 amending the Order No 1V-893 of the Director of the Communications Regulatory Authority of the Republic of Lithuania of 9 September 2010 "On the Approval of the List of Radio Frequencies/Channels, which may be Used without an Individual Authorisation".</i>
	916.1 - 918.9	4 W ERP	EU 2018/1538	Interrogator transmissions at 4 W ERP only permitted at the centre frequencies 916.3 MHz, 917.5 MHz and 918.7 MHz.	
Luxembourg	865.6 - 867.6	2 W ERP	ETSI		Institut Luxembourgeois de Régulation (ILR) +352 4588 4529 <a href="mailto:ilr@ilr.lu">ilr@ilr.lu</a> <a href="http://www.ilr.lu">www.ilr.lu</a>
	915 - 921	4 W ERP			
Macedonia, FYR	865.6 - 867.6	2 W ERP	ETSI		Agency for Electronic Communications +389 2 328 9200 <a href="mailto:contact@aec.mk">contact@aec.mk</a> <a href="http://www.aec.mk">www.aec.mk</a>
Malaysia	919 - 923	2 W ERP		Authorization for ERP below 2W is by way of Class Assignment (CA) and up to 4W is by way of an Apparatus Assignment (AA). The use of equipment exceeding 4W is not permitted. The use of spectrum under CA does not require an application to MCMC but for AA, an application is required.	Malaysian Communications and Multimedia Commission +60 3 8688 8338 <a href="mailto:chairman@cmc.gov.my">chairman@cmc.gov.my</a> <a href="http://www.cmc.gov.my">www.cmc.gov.my</a>

Country	Frequency in MHz	Power	Technique	Comments	Regulator
Malta	865.6 - 867.6	2 W ERP	ETSI		Malta Communications Authority +356 21 336 840 <a href="mailto:info@mca.org.mt">info@mca.org.mt</a> <a href="http://www.mca.org.mt">www.mca.org.mt</a>
	916.1 - 918.9	4 W ERP	EU 2018/1538	Interrogator transmissions at 4 W ERP only permitted at the centre frequencies 916.3 MHz, 917.5 MHz and 918.7 MHz.	<i>National Frequency Plan (edition 6.1):</i> <a href="https://www.mca.org.mt/sites/default/files/NFP_edition%206-1.pdf">https://www.mca.org.mt/sites/default/files/NFP_edition%206-1.pdf</a> L.N. 153 of 2019: <a href="http://www.justiceservices.gov.mt/DownloadDocument.aspx?app=lp&amp;itemid=29646&amp;l=1">http://www.justiceservices.gov.mt/DownloadDocument.aspx?app=lp&amp;itemid=29646&amp;l=1</a>
Mexico	902 - 928	4 W EIRP	FHSS		Comisión Federal de Telecomunicaciones (COFETEL) +52 55 1253 4203 <a href="mailto:internac@cft.gob.mx">internac@cft.gob.mx</a> <a href="http://www.cft.gob.mx">www.cft.gob.mx</a>
Moldova	865.6 - 867.6	2 W ERP	ETSI		National Regulatory Agency in Telecommunications and Informatics +373 22 251317 <a href="mailto:office@anrti.md">office@anrti.md</a> <a href="http://www.anrti.md">www.anrti.md</a>
	915 - 921	4 W ERP			
Morocco	865.6 - 865.8	2 W ERP		Interrogator transmissions at 2 W ERP only allowed in the channel whose center frequency is 865.7 MHz, max bandwidth 200 KHz.	Agence Nationale de Réglementation des Télécommunications (ANRT) +212 537 718 537 <a href="mailto:belkhadir@anrt.ma">belkhadir@anrt.ma</a> <a href="http://www.anrt.ma">www.anrt.ma</a>
	867.6 - 868.0	500 mW ERP			
Netherlands	865.6 - 867.6	2 W ERP	ETSI		Radio Communications Agency Netherlands +31(0)50-5877400 <a href="mailto:agentschaptelecom@at-ez.nl">agentschaptelecom@at-ez.nl</a> <a href="http://www.agentschap-telecom.nl">www.agentschap-telecom.nl</a>
New Zealand	864 - 868	6 W EIRP	FHSS		Ministry of Economic Development +64 4 462 4241 <a href="mailto:christian.gomez@med.govt.nz">christian.gomez@med.govt.nz</a> <a href="http://www.rsm.govt.nz">www.rsm.govt.nz</a>
	920 - 928				

Country	Frequency in MHz	Power	Technique	Comments	Regulator
Nigeria	865.6 - 867.6	2 W ERP	ETSI		Nigerian Communications Commission (NCC) +234 9 461 7000 <a href="mailto:ndukwe@ncc.gov.ng">ndukwe@ncc.gov.ng</a> <a href="http://www.ncc.gov.ng">www.ncc.gov.ng</a>
Norway	865.6 - 867.6	2 W ERP	ETSI		Norwegian Post and Telecommunications Authority (NPTA) +47 22 824600 <a href="mailto:willy.jensen@npt.no">willy.jensen@npt.no</a> <a href="http://www.npt.no">www.npt.no</a>
	915 - 921	4 W ERP			
Oman	865.6 - 867.6	2 W ERP	ETSI		Oman Telecommunications Regulatory Authority (TRA) +968 24 574 303 <a href="mailto:ir@tra.gov.om">ir@tra.gov.om</a> <a href="http://www.tra.gov.om">www.tra.gov.om</a>
Panama	902 - 928	4 W EIRP	FHSS		Ente Regulador de los Servicios Públicos +507 278 4500 <a href="mailto:hrobles@ersp.gob.pa">hrobles@ersp.gob.pa</a> <a href="http://www.ersp.gob.pa">www.ersp.gob.pa</a>
Peru	915 - 928	4 W EIRP	FHSS		Ministerio de Transportes y Comunicaciones +51 1 615 7800 <a href="http://www.mtc.gob.pe">www.mtc.gob.pe</a>
Poland	865.6 - 867.6	2 W ERP	ETSI		Office of Electronic Communications +48 22 534 9156 <a href="mailto:uke@uke.gov.pl">uke@uke.gov.pl</a> <a href="http://www.uke.gov.pl">www.uke.gov.pl</a>
Portugal	865.6 - 867.6	2 W ERP	ETSI		ICP - Autoridade Nacional de Comunicações (ANACOM) +351 21 721 1000 <a href="mailto:miguel.capela@anacom.pt">mailto:miguel.capela@anacom.pt</a> <a href="http://www.anacom.pt">www.anacom.pt</a>
	916.1 - 918.9	4 W ERP	EU 2018/1538	Interrogator transmissions at 4 W ERP only permitted at the centre frequencies 916.3 MHz, 917.5 MHz and 918.7 MHz.	
Romania	865.6 - 867.6	2 W ERP	ETSI		National Regulatory Authority for Communications (ANRC) +40 21 3075 400 <a href="mailto:anrcti@anrcti.ro">anrcti@anrcti.ro</a> <a href="http://www.anrcti.ro">www.anrcti.ro</a>

Country	Frequency in MHz	Power	Technique	Comments	Regulator
Russian Federation	866.0 - 867.6	100 mW ERP	ETSI	Under License. Assignment of radio frequencies or channels is not required when using inside the boundaries of airports and when using Listen Before Talk (LBT).	Ministry of Tele- and Mass Communications of the Russian Federation <a href="http://www.minsvyaz.ru">www.minsvyaz.ru</a> <a href="mailto:mail@minsvyaz.ru">mail@minsvyaz.ru</a>
	866 - 868	500 mW ERP		Under License.	
	866.0 - 867.6	2 W ERP			
	915 - 921	1 W ERP		Under License.	
Saudi Arabia	865.6 - 867.6	2 W ERP	ETSI		Communication and Information Technology Commission +966 1 461 8222 <a href="mailto:info@citc.gov.sa">info@citc.gov.sa</a> <a href="http://www.citc.gov.sa">www.citc.gov.sa</a>
Serbia	865.6 - 867.6	2 W ERP	ETSI		Federal Ministry of Transport and Telecommunications +381 11 3114855 <a href="mailto:mintel@gov.yu">mintel@gov.yu</a>
Singapore	866 - 869	0.5 W ERP			InfoComm Development Authority of Singapore (IDA) +65 6211 0888 <a href="mailto:info@ida.gov.sg">info@ida.gov.sg</a> <a href="http://www.ida.gov.sg">www.ida.gov.sg</a>
	920 - 925	2 W ERP			
Slovak Republic	865.6 - 867.6	2 W ERP	ETSI		Telecommunications Office of the Slovak Republic +421 2 5788 1553 <a href="mailto:secretary@teleoff.gov.sk">secretary@teleoff.gov.sk</a> <a href="mailto:frequency@teleoff.gov.sk">frequency@teleoff.gov.sk</a>
	916.1 - 918.9	4 W ERP	EU 2018/1538	Interrogator transmissions at 4 W ERP only permitted at the centre frequencies 916.3 MHz, 917.5 MHz and 918.7 MHz.	<i>The legal reference is stated in the Article I "Basic Provisions", of the General Authorizations No. VPR-01/2019, No. VPR-02/2019, No. VPR-03/2019: "In this General Authorization we have implemented Commission Implementing Decision (EU) 2018/1538 ...". References to the decision "(EU) 2018/1538" we have included to the next update of the NTFA.</i>

Country	Frequency in MHz	Power	Technique	Comments	Regulator
Slovenia	865.6 - 867.6	2 W ERP	ETSI		Post and Electronic Communications Agency of the Republic of Slovenia +386 1 583 6300 <a href="mailto:info.box@apek.si">info.box@apek.si</a> <a href="http://www.apek.si">www.apek.si</a>
	916.1 - 918.9	4 W ERP	EU 2018/1538	Interrogator transmissions at 4 W ERP only permitted at the centre frequencies 916.3 MHz, 917.5 MHz and 918.7 MHz.	General Act on amendments of the General act on the radio frequency utilisation plan (NURF-4a) (Off.G. RS, 46/19). <a href="https://www.uradni-list.si/glasilo-uradni-list-rs/vsebina/2019-01-2222/splosni-akt-o-spremembah-in-dopolnitvi-splosnega-akta-o-nacrtu-uporabe-radijskih-frekvenc-nurf-4a">https://www.uradni-list.si/glasilo-uradni-list-rs/vsebina/2019-01-2222/splosni-akt-o-spremembah-in-dopolnitvi-splosnega-akta-o-nacrtu-uporabe-radijskih-frekvenc-nurf-4a</a>
South Africa	865.6 - 867.6	2 W ERP	ETSI	<a href="#">ICASA notice 737</a> of December 2021: Amendment to the Radio Frequency Spectrum Regulations, 2015	Independent Communications Authority of South Africa (ICASA)  <a href="mailto:nkuli@icasa.org.za">nkuli@icasa.org.za</a>
	916.1 - 920.1	4 W ERP	ETSI		
Spain	865.6 - 867.6	2 W ERP	ETSI		Secretaría de Estado de Telecomunicaciones y para la Sociedad de la Información Juan Cañas +34 91 346 15 35 <a href="mailto:icanas@minetur.es">icanas@minetur.es</a>
Sweden	865.6 - 867.6	2 W ERP	ETSI	Exempt from license rules 2006/804/EG	Post- och telestyrelsen (PTS) +46 8 678 55 00 <a href="mailto:pts@pts.se">pts@pts.se</a> <a href="http://www.pts.se">www.pts.se</a>
	916.1 - 918.9	4 W ERP	EU 2018/1538	Interrogator transmissions at 4 W ERP only permitted at the centre frequencies 916.3 MHz, 917.5 MHz and 918.7 MHz.	<i>National frequency plan (PTSFS 2019:1):</i> <a href="https://www.pts.se/sv/bransch/radio/frekvensplanen/">https://www.pts.se/sv/bransch/radio/frekvensplanen/</a>
Switzerland	865.6 - 867.6	2 W ERP	ETSI		Office fédéral de la communication (OFCOM) +41 32 327 5511

Country	Frequency in MHz	Power	Technique	Comments	Regulator
	915 - 918	4 W ERP	limited ETSI	918-921 MHz reserved for ER-GSM protection	<a href="mailto:ir@bakom.admin.ch">ir@bakom.admin.ch</a> <a href="http://www.bakom.ch">www.bakom.ch</a>
Taiwan	922 - 928	1 W ERP	FHSS	Indoor	National Communications Commission +886-0800-177-177 +886-2-33437377 <a href="mailto:ncc40@ncc.gov.tw">ncc40@ncc.gov.tw</a> <a href="http://www.ncc.gov.tw">www.ncc.gov.tw</a>
	922 - 928	0.5 W ERP	FHSS	Outdoor	
Thailand	920 - 925	4 W EIRP	FHSS	New regulations effective since 20 January 2006. License required for power above 0.5 W.	National Broadcasting and Telecommunications Commission (NBTC) <a href="mailto:standard@nbt.go.th">standard@nbt.go.th</a> <a href="http://www.nbt.go.th">www.nbt.go.th</a>
Tunisia	865.6 - 867.6	2 W ERP	ETSI		Frequencies National Agency (ANF) +216 71 325 164 / +216 71 359 373 <a href="mailto:com@anf.tn">com@anf.tn</a> <a href="http://www.anf.tn">www.anf.tn</a>
Turkey	865.6 - 867.6	2 W ERP	ETSI	Indoor use only.	Telecommunications Authority International Relations & EU Coordination Dept. +90 312 550 5125 <a href="mailto:info@tk.gov.tr">info@tk.gov.tr</a> <a href="http://www.tk.gov.tr">www.tk.gov.tr</a>
United Arab Emirates	865.6 - 867.6	2 W ERP	ETSI		Telecommunications Regulatory Authority (TRA) +971 2 621 2222 <a href="mailto:info@tra.ae">info@tra.ae</a> <a href="http://www.tra.ae">www.tra.ae</a>
United Kingdom	865.6 - 867.6	2 W ERP	ETSI		Office of Communications - Ofcom +44 20 7981 3000 <a href="mailto:contact@ofcom.org.uk">contact@ofcom.org.uk</a> <a href="http://www.ofcom.org.uk">www.ofcom.org.uk</a>
	915 - 921	4 W ERP			
United States	902 - 928	4 W EIRP	FHSS		Federal Communications Commission +1 202 418 2150 <a href="mailto:ibmail@fcc.gov">ibmail@fcc.gov</a> <a href="http://www.fcc.gov">www.fcc.gov</a>

Country	Frequency in MHz	Power	Technique	Comments	Regulator
Uruguay	902 - 928	4 W EIRP	FHSS		Unidad Reguladora de Servicios de Comunicaciones (URSEC) +598 2 902 8082 <a href="http://www.ursec.gub.uy">www.ursec.gub.uy</a>
Venezuela, RB	922 - 928	4 W EIRP	FHSS	Previously 908-928 MHz	Comisión Nacional de Telecomunicaciones - CONATEL +58 212 993 6122 <a href="mailto:mpena@conatel.gov.ve">mpena@conatel.gov.ve</a> <a href="http://www.conatel.gov.ve">www.conatel.gov.ve</a>
Vietnam	866 - 868	0.5 W ERP		License required for power above 0.5 W ERP	Ministry of Information and Communications (MIC) +84 4 822 9267 <a href="mailto:dic@mpt.gov.vn">dic@mpt.gov.vn</a> <a href="http://www.mpt.gov.vn">www.mpt.gov.vn</a>
	918 - 923	0.5 W ERP			
	920 - 923	2 W ERP		Exclusively for licensed intelligent traffic systems / nonstop electronic toll collection (ETC) systems.	