

Overview of UHF frequency allocations (860 to 960 MHz) for RAIN RFID

10 November 2022

This document provides an unofficial overview of known UHF allocations in 81 countries for passive RFID in the 860 to 960 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 (February 2022) update:

South Africa: link to ICASA notice 737 of December 2021 (AMENDMENT TO THE RADIO FREQUENCY SPECTRUM REGULATIONS of 2015)

A note on the "upper band" (915-921 MHz) of CEPT REC 70 03 / ETSI EN 302 208:

Per <u>Commission Implementing Decision 2018/1538/EU</u> 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 <u>CEPT</u> countries, as of October 2022, the following **21 countries have implemented 2018/1538/EU**: Albania, Austria, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Hungary, Ireland, Lithuania, Luxembourg, Malta, Moldova, North Macedonia, Norway, Slovakia, Slovenia, Sweden, United Kingdom.

An additional 2 countries have <u>limited</u> implementation of 2018/1538/EU: Liechtenstein, Switzerland

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

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Country	Frequency in MHz	Power	Technique	Comments	Regulator
۸ الم مین م	865.6 - 867.6	2 W ERP	FTO		Autoritetit I Komunikimevi Elektronike dhe Postare (AKEP)
Albania	915 - 921	4 W ERP	ETSI		+355 4 2259571 frekuenca@akep.al
Algeria	870 - 876 880 - 885 915 - 921 925 - 926	100 mW EIRP			Agence Nationale des Fréquences http://www.anf.dz/pdf/caf/RFID.pdf
Argentina	902 - 928	4 W EIRP	FHSS		Comisión Nacional de Comunicaciones (CNC) +54 11 4347 9540 www.cnc.gov.ar
Armenia	865.6 - 867.6	2 W ERP	ETSI		Public Services Regulatory Commission +374 10 582 159 www.psrc.am psrc@psrc.am
Australia	920 - 926	4 W EIRP			Australian Communications and Media Authority +61 2 6219 5555 www.acma.gov.au
Australia	918 - 926	1 W EIRP			
Austria	865.6 - 867.6	2 W ERP	ETSI		Communication Authority Austria +43 1 58058-0
	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.	rtr@rtr.at www.rtr.at



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Country	Frequency in MHz	Power	Technique	Comments	Regulator
Azerbaijan	865.6 - 867.6	2 W ERP	ETSI		Ministry of Communications and Information Technologies +994 12 498 5838 mincom@mincom.gov.azc www.mincom.gov.az
Bangladesh	925.0 - 927.0				Bangladesh Telecommunication Regulatory Commission (BTRC) +880 2 989 0027 trbproj@bttb.net.bd
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 mpt@mpt.gov.by
Polaium	865.6 - 867.6	2 W ERP	ETSI		Institut belge des services postaux et des télécommunications - IBPT +32 2 226 8888 info@bipt.be
Belgium	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.	www.bipt.be Decision of the BIPT Council of 22 January 2019 on radio interfaces B01-39 to 41, B03-04 and B07-06.
Bosnia and Herzegovina	865.6 - 867.6	2 W ERP	ETSI		Communications Regulatory Agency (RAK) +387 33 250 600 info@rak.ba www.rak.ba
Dil	902 - 907.5	4 W EIRP	FHSS		Agência Nacional de Telecomunicações - ANATEL
Brazil	915 - 928	4 W EIRP	FHSS		+55 61 2312 2063 www.anatel.gov.br



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Country	Frequency in MHz	Power	Technique	Comments	Regulator
Brunei	866 – 869	0.5 W ERP		License free Supports EN 302 208, EN 300 220-1	Authority for Info-communications Technology Industry of Brunei Darussalam (AITI)
Darussalam	923 – 925	2 W ERP		and FCC part 15	+673 2323232 www.aiti.gov.bn
Bulgaria	865.6 - 867.6	2 W ERP	ETSI		Communications Regulation Commission (CRC) +359 2 949 2418 chairman@crc.bq www.crc.bq
Duigaria	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.	https://www.mtitc.government.bg/sites/default/files/freq_plan_2018_bg-1_03092018.pdf https://crc.bg/files/Pravila_06_12_2018.pdf
Canada	902 - 928	4 W EIRP	FHSS		Canadian Radio-Television and Telecommunications Commission +1 819 997 031 david.bell@crtc.qc.ca www.crtc.qc.ca
	913 - 919	1 W EIRP		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
Chile	915 - 928	500 mW EIRP	FHSS		Transportes y Telecomunicaciones +56 2 421 3502 gabinete@subtel.cl
	925 - 928	1 W EIRP		,	www.subtel.cl
China	920.5 - 924.5	2 W ERP	FHSS		Ministry of Information Industry +86 10 6601 4670 tangzicai@mii.gov.cn dito@mii.gov.cn www.mii.gov.cn
Colombia	915 - 928	4 W EIRP	FHSS	The National Spectrum Chart is now administered by ANE, including specific rules for unlicensed bands; actual rules are included in Resolution 105 of 2020.	Agencia Nacional del Espectro (ANE) +57 (60) 1 6000030 https://www.ane.gov.co/SitePages/inicio.aspx



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Country	Frequency in MHz	Power	Technique	Comments	Regulator
Costa Rica	902 - 928	4 W EIRP	FHSS		Autoridad Reguladora de los Servicios Públicos (ARESEP) +506 220 2070 aresepde@sol.racsa.co.cr www.aresep.go.cr
Croatia	865.6 - 867.6	2 W ERP	ETSI		Croatian Telecommunications Agency +385 1 489 6000 info@telekom.hr www.telekom.hr
Cymrus	865.6 - 867.6	2 W ERP	ETSI		Office of the Commissioner of Telecommunications and Postal Regulation +357 2269 3000 info@octpr.org.cy
Cyprus	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.	www.octpr.org.cy The relevant amendment of the Radiofrequency Plan was published in the Official Gazette of the Republic on 28/06/2019.
Czech	865.6 - 867.6	2 W ERP	ETSI		Czech Telecommunication Office +420 224 004 704 info@ctu.cz www.ctu.cz General Authorization No. VO-R/10/01.2019-1, Articles 11 and 15.
Republic	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.	
Denmark	865.6 - 867.6	2 W ERP	ETSI		Danish Business Authority +45 35 29 10 00 erst@erst.dk http://www.erhvervsstyrelsen.dk/tele/0/3
Bennark	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.	The new revision of the national frequency plan can be found here: <pre>https://www.retsinformation.dk/Forms/R0710.aspx?id</pre> =205121



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Country	Frequency in MHz	Power	Technique	Comments	Regulator
Dominican Republic	902 - 928	4 W EIRP	FHSS		Instituto Dominicano de las Telecomunicaciones (INDOTEL) +1 809 732 5555 internacionales@indotel.org.do www.indotel.org.do
Estonia	865.6 - 867.6	2 W ERP	ETSI		Estonian National Communications Board (ENCB) +372 693 1154
EStoriia	915 - 921	4 W ERP	[13]		postbox@sa.ee www.sa.ee
Finland	865.6 - 867.6	2 W ERP	ETSI		Finnish Communications Regulatory Authority (FICORA) +358 9 6966 1 info@ficora.fi www.ficora.fi
	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.	The latest version of Regulation 4 (Radiotaajuusmääräys M4Y EN) can be found here: https://www.finlex.fi/fi/viranomaiset/normi/480001/44839 The latest version of Regulation 15 (Regulation 15AO EN) can be found here: <a 44836?search%5btype%5d='pika&search%5Bpika%5D="https://www.finlex.fi/fi/viranomaiset/normi/480001/44836?search%5Btype%5D=pika&search%5Bpika%5D="https://www.finlex.fi/fi/viranomaiset/normi/480001/44836?search%5Btype%5D=pika&search%5Bpika%5D="https://www.finlex.fi/fi/viranomaiset/normi/480001/44836?search%5Btype%5D=pika&search%5Bpika%5D="https://www.finlex.fi/fi/viranomaiset/normi/480001/44836?search%5Btype%5D=pika&search%5Bpika%5D="https://www.finlex.fi/fi/viranomaiset/normi/480001/44836?search%5Bpika%5D="https://www.finlex.fi/fi/viranomaiset/normi/480001/44836?search%5Bpika%5D="https://www.finlex.fi/fi/viranomaiset/normi/480001/44836?search%5Bpika%5D="https://www.finlex.fi/fi/viranomaiset/normi/480001/44836?search%5Bpika%5D="https://www.finlex.fi/fi/viranomaiset/normi/480001/44836?search%5Bpika%5D="https://www.finlex.fi/fi/viranomaiset/normi/480001/44836."https://www.finlex.fi/fi/viranomaiset/normi/480001/44836."https://www.finlex.fi/fi/viranomaiset/normi/480001/44836."https://www.finlex.fi/fi/viranomaiset/normi/480001/44836."https://www.finlex.fi/fi/viranomaiset/normi/480001/44836."https://www.finlex.fi/fi/viranomaiset/normi/480001/44836."https://www.finlex.fi/fi/viranomaiset/normi/480001/44836."https://www.finlex.fi/fi/viranomaiset/normi/480001/44836."https://www.finlex.fi/fi/viranomaiset/normi/480001/44836."https://www.finlex.fi/fi/viranomaiset/normi/480001/44836."https://www.finlex.fi/fi/viranomaiset/normi/480001/44836."https://www.finlex.fi/fi/viranomaiset/normi/480001/44836."https://www.finlex.fi/fi/viranomaiset/normi/480001/44836."https://www.finlex.fi/fi/viranomaise</td' 480001="" fi="" href="https://www.finlex.fi/fi/viranomaiset/normi/480001/44836?search%5Btype%5D=pika&search%5Bpika%5D=" https:="" normi="" viranomaiset="" www.finlex.fi="">
	865.6 - 867.6	2 W ERP	ETSI		
France	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 declare deployments to ANFR.	National Frequency Agency (ANFR) https://www.anfr.fr/accueil/ Declaration of 916.1-918.8 MHz band use required at: https://www.anfr.fr/en/frequency-site-management/sites-servitudes-et-assignations/sites/declaration-rfid-en-bande-9161-9189-mhz/
Germany	865.6 - 867.6	2 W ERP	ETSI		Federal Network Agency for Electricity, Gas, Telecommunication, Post and Railway +49 6131 18 0 poststelle@bnetza.de www.bundesnetzagentur.de



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Country	Frequency in MHz	Power	Technique	Comments	Regulator
Greece	865.6 - 867.6	2 W ERP	ETSI		National Telecommunications and Posts Commission (EETT) +30 210 615 1000 info@eett.gr www.eett.gr
Hong Kong,	865 - 868	2 W ERP			Office of the Telecommunications Authority (OFTA) of the Hong Kong Special Administrative Region
China	920 - 925	4 W EIRP			www.ofta.gov.hk
	865.6 - 867.6	2 W ERP	ETSI		National Communications Authority, Hungary (NCAH) +36 1 457 7488 gulyas.robert@nhh.hu www.nhh.hu
Hungary	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.) http://njt.hu/cgi_bin/njt_doc.cgi?docid=192196.36613
Iceland	865.6 - 867.6	2 W ERP	ETSI		Post and Telecom Administration +354 510 1500 pta@pta.is www.pta.is
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 ikhba@postel.qo.id www.postel.qo.id



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Iran, Islamic Rep.	865 - 868	2 W ERP	ETSI		Communications Regulatory Authority (CRA) +98 21 8840 3612 khosravi@cra.ir irnadm@cra.ir
Ireland	865.6 - 867.6	2 W ERP	ETSI		Commission for Communications Regulation +353 1 804 9619 info@comreg.ie
	915 - 921	4 W ERP			www.comreg.ie
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 mazarh@moc.gov.il www.moc.gov.il
Italy	865.6 - 867.6	2 W ERP	ETSI		Autoritá per le Garanzie nelle Comunicazioni (AGCOM) +39 081 7507111 info@agcom.it www.agcom.it
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
	916.7 - 923.5	0.5 W EIRP	LBT	916.7-923.5 MHz available for unlicensed use up to 0.5 W EIRP	+81-3-5253-5873 www.soumu.go.jp
Jordan	865 - 868	2.0 W ERP			Telecommunications Regulatory Commission (TRC) +962 6 550 1120 trc@trc.gov.jo www.trc.gov.jo
Voros Por	917 - 920.8	4 W EIRP	FHSS or LBT		Korea Communications Commission +82 2 750 1710
Korea, Rep.	917 - 923.5	200 mW EIRP	FHSS or LBT		parksk@mic.go.kr www.kcc.go.kr



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Country	Frequency in MHz	Power	Technique	Comments	Regulator
Latvia	865.6 - 867.6	2 W ERP	LBT		Public Utilities Regulatory Commission +371 709 7200 sprk@sprk.gov.lv www.sprk.gov.lv
Liachtanstain	865.6 - 867.6	2 W ERP	ETSI		Office for Communications
Liechtenstein	915 - 918	4 W ERP	limited ETSI	918-921 MHz reserved for ER-GSM protection	www.ak.llv.li
Lithuania	865.6 - 867.6	2 W ERP	ETSI	Individual licence required.	Communications Regulatory Authority +370 5 210 5684 rrt@rrt.lt www.rrt.lt 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
	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.	Director of the Communications Regulatory Authority of the Approval of the List of Radio Frequencies/Channels, which may be Used without an Individual Authorisation".
I	865.6 - 867.6	2 W ERP	FTCI		Institut Luxembourgeois de Régulation (ILR) +352 4588 4529
Luxembourg	915 - 921	4 W ERP	ETSI		ilr@ilr.lu www.ilr.lu
Macedonia, FYR	865.6 - 867.6	2 W ERP	ETSI		Agency for Electronic Communications +389 2 328 9200 contact@aec.mk www.aec.mk



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Country	Frequency in MHz	Power	Technique	Comments	Regulator
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 chairman@cmc.gov.my www.cmc.gov.my
Malta	865.6 - 867.6	2 W ERP	ETSI		Malta Communications Authority +356 21 336 840 info@mca.org.mt www.mca.org.mt
	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.	National Frequency Plan (edition 6.1): https://www.mca.org.mt/sites/default/files/NFP_editio n%206-1.pdf L.N. 153 of 2019: http://www.justiceservices.gov.mt/DownloadDocumen t.aspx?app=lp&itemid=29646&l=1
Mexico	902 - 928	4 W EIRP	FHSS		Comisión Federal de Telecomunicaciones (COFETEL) +52 55 1253 4203 internac@cft.gob.mx www.cft.gob.mx
Moldova	865.6 - 867.6	2 W ERP	ETSI		National Regulatory Agency in Telecommunications and Informatics +373 22 251317
Moldova	915 - 921	4 W ERP	[13]		office@anrti.md www.anrti.md
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
	867.6 - 868.0	500 mW ERP			<u>belkhadir@anrt.ma</u> <u>www.anrt.ma</u>



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Netherlands	865.6 - 867.6	2 W ERP	ETSI		Radio Communications Agency Netherlands +31(0)50-5877400 agentschaptelecom@at-ez.nl www.agentschap-telecom.nl
Now Zooland	864 - 868	C W FIRE	FUCC		Ministry of Economic Development +64 4 462 4241
New Zealand	920 - 928	6 W EIRP	FHSS		<u>christian.gomez@med.govt.nz</u> <u>www.rsm.govt.nz</u>
Nigeria	865.6 - 867.6	2 W ERP	ETSI		Nigerian Communications Commission (NCC) +234 9 461 7000 ndukwe@ncc.gov.ng www.ncc.gov.ng
Name	865.6 - 867.6	2 W ERP	FTGI		Norwegian Post and Telecommunications Authority (NPTA)
Norway	915 - 921	4 W ERP	ETSI		+47 22 824600 willy.jensen@npt.no www.npt.no
Oman	865.6 - 867.6	2 W ERP	ETSI		Oman Telecommunications Regulatory Authority (TRA) +968 24 574 303 ir@tra.gov.om www.tra.gov.om
Panama	902 - 928	4 W EIRP	FHSS		Ente Regulador de los Servicios Públicos +507 278 4500 hrobles@ersp.gob.pa www.ersp.gob.pa
Peru	915 - 928	4 W EIRP	FHSS		Ministerio de Transportes y Comunicaciones +51 1 615 7800 www.mtc.gob.pe
Poland	865.6 - 867.6	2 W ERP	ETSI		Office of Electronic Communications +48 22 534 9156 uke@uke.gov.pl www.uke.gov.pl



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Country	Frequency in MHz	Power	Technique	Comments	Regulator
Portugal	865.6 - 867.6	2 W ERP	ETSI		ICP - Autoridade Nacional de Comunicações (ANACOM) +351 21 721 1000 mailto:miquel.capela@anacom.pt www.anacom.pt
Romania	865.6 - 867.6	2 W ERP	ETSI		National Regulatory Authority for Communications (ANRC) +40 21 3075 400 anrcti@anrcti.ro www.anrcti.ro
Russian	866.0 - 867.6	100 mW ERP		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
Federation	866 - 868	500 mW ERP	ETSI	Under License.	www.minsvyaz.ru mail@minsvyaz.ru
	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 info@citc.gov.sa www.citc.gov.sa
Serbia	865.6 - 867.6	2 W ERP	ETSI		Federal Ministry of Transport and Telecommunications +381 11 3114855 mintel@gov.yu
Cinganara	866 - 869	0.5 W ERP			InfoComm Development Authority of Singapore (IDA) +65 6211 0888
Singapore	920 - 925	2 W ERP			info@ida.gov.sq www.ida.gov.sq



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Country	Frequency in MHz	Power	Technique	Comments	Regulator
Slovak	865.6 - 867.6	2 W ERP	ETSI		Telecommunications Office of the Slovak Republic +421 2 5788 1553 secretary@teleoff.gov.sk frequency@teleoff.gov.sk
Republic	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.	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.
Slovenia	865.6 - 867.6	2 W ERP	ETSI		Post and Electronic Communications Agenca of the Republic of Slovenia +386 1 583 6300 info.box@apek.si www.apek.si
	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). https://www.uradni-list.si/qlasilo-uradni-list-rs/vsebina/2019-01-2222/splosni-akt-o-spremembah-in-dopolnitvi-splosnega-akta-o-nacrtu-uporabe-radijskih-frekvenc-nurf-4a
Courth Africa	865.6 - 867.6	2 W ERP	ETSI	ICASA notice 737 of December 2021: AMENDMENT TO THE RADIO FREQUENCY SPECTRUM REGULATIONS, 2015	Independent Communications Authority of South Africa (ICASA)
South Africa	916.1 – 920.1	4 W <mark>ERP</mark>	ETSI	https://www.gov.za/sites/default/files/g cis_document/202112/45690gen737.pd f	nkuli@icasa.org.za
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 jcanas@minetur.es



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Country	Frequency in MHz	Power	Technique	Comments	Regulator
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 pts@pts.se www.pts.se National frequency plan (PTSFS 2019:1): https://www.pts.se/sv/bransch/radio/frekvensplanen/
	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.	
Switzerland	865.6 - 867.6	2 W ERP	ETSI		Office fédéral de la communication (OFCOM) +41 32 327 5511 ir@bakom.admin.ch www.bakom.ch
	915 - 918	4 W ERP	limited ETSI	918-921 MHz reserved for ER-GSM protection	
Taiwan	922 - 928	1 W ERP	FHSS	Indoor	National Communications Commission +886-0800-177-177 +886-2-33437377 ncc40@ncc.gov.tw www.ncc.gov.tw
	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) standard@nbtc.go.th www.nbtc.go.th
Tunisia	865.6 - 867.6	2 W ERP	ETSI		Frequencies National Agency (ANF) +216 71 325 164 / +216 71 359 373 com@anf.tn www.anf.tn
Turkey	865.6 - 867.6	2 W ERP	ETSI	Indoor use only.	Telecommunications Authority International Relations & EU Coordination Dept. +90 312 550 5125 info@tk.qov.tr www.tk.qov.tr



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Country	Frequency in MHz	Power	Technique	Comments	Regulator
United Arab Emirates	865.6 - 867.6	2 W ERP	ETSI		Telecommunications Regulatory Authority (TRA) +971 2 621 2222 info@tra.ae www.tra.ae
United Kingdom	865.6 - 867.6	2 W ERP	ETSI		Office of Communications - Ofcom +44 20 7981 3000 contact@ofcom.org.uk
	915 - 921	4 W ERP			www.ofcom.org.uk
United States	902 - 928	4 W EIRP	FHSS		Federal Communications Commission +1 202 418 2150 ibmail@fcc.gov www.fcc.gov
Uruguay	902 - 928	4 W EIRP	FHSS		Unidad Reguladora de Servicios de Comunicaciones (URSEC) +598 2 902 8082 www.ursec.gub.uy
Venezuela, RB	922 - 928	4 W EIRP	FHSS	Previously 908-928 MHz	Comisión Nacional de Telecomunicaciones - CONATEL +58 212 993 6122 mpena@conatel.gov.ve www.conatel.gov.ve
Vietnam	866 - 868	0.5 W ERP		License required for power above 0.5 W ERP Exclusively for licensed intelligent traffic systems / nonstop electronic toll collection (ETC) systems.	Ministry of Information and Communications (MIC) +84 4 822 9267 dic@mpt.gov.vn www.mpt.qov.vn
	918 - 923	0.5 W ERP			
	920 - 923	2 W ERP			



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