



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

10 February 2022

This document provides an unofficial overview of UHF allocations for passive RFID **within the 860 to 960 MHz band** worldwide, including:

- Country name & Status: all GS1 member countries as well as major, non-member countries – currently a total of **125 countries**  
 **OK** Allocations in **81 countries**  **NA** Information not available for 44 countries
- 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

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

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.

**New information** added since the previous (June 2021) update:

**Belgium** has updated **regulator contact details**.

**Colombia**, previously indicated as **902** - 928 MHz, has been **corrected** to **915** - 928 MHz, and has updated **regulator contact details**.

**France** has been updated per § 5 of the [Journal officiel "Lois et Décrets" \(JORF n° 0279\)](#) of 1 December 2021, authorising use of the 3 interrogator transmit channels centred on 916.3, 917.5 and 918.7 MHz (i.e., in line with **EU 2018/1538**) for RFID applications up to 4 W ERP. Users of these channels must [declare deployment installations to ANFR](#), in order to facilitate resolution of any potential EMI issues with other wireless applications.

*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	Status	Frequency in MHz	Power	Technique	Comments	Regulator
Albania	OK	865.6 - 867.6	2 W ERP	ETSI		Autoritetit I Komunikimevi Elektronike dhe Postare (AKEP) +355 4 2259571 frekuenca@akep.al
		915 - 921	4 W ERP			
Algeria	OK	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	OK	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	OK	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> psrc@psrc.am
Australia	OK	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	OK	865.6 - 867.6	2 W ERP	ETSI	Interrogator transmissions at 4 W ERP only permitted at the centre frequencies 916.3 MHz, 917.5 MHz and 918.7 MHz.	Communication Authority Austria +43 1 58058-0 rtr@rtr.at <a href="http://www.rtr.at">www.rtr.at</a>
		916.1 - 918.9	4 W ERP	EU 2018/1538		

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Azerbaijan	OK	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
Bahrain	NA					Telecommunications Regulatory Authority (TRA) +973 1752 0000 contact@tra.org.bh www.tra.org.bh
Bangladesh	OK	925.0 - 927.0				Bangladesh Telecommunication Regulatory Commission (BTRC) +880 2 989 0027 trbproj@bttb.net.bd
Belarus	OK	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
Belgium	OK	865.6 - 867.6	2 W ERP	ETSI		Institut belge des services postaux et des télécommunications - IBPT +32 2 226 8888 info@bipt.be www.bipt.be
		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>Décision du Conseil de l'BIPT du 22 janvier 2019 relative aux interfaces radio B01-39 à 41, B03-04 et B07-06.</i>
Bolivia	NA					Superintendencia de Telecomunicaciones +591 2 277 2266 supertel@ceibo.entelnet.bo sittel@ceibo.entelnet.bo www.sittel.gov.bo

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Bosnia and Herzegovina	OK	865.6 - 867.6	2 W ERP	ETSI		Communications Regulatory Agency (RAK) +387 33 250 600 info@rak.ba www.rak.ba
Botswana	NA					Botswana Telecommunications Authority (BTA) +267 395 7755 info@bta.org.bw ce@bta.org.bw www.bta.org.bw
Brazil	OK	902 - 907.5	4 W EIRP	FHSS		Agência Nacional de Telecomunicações - ANATEL +55 61 2312 2063 www.anatel.gov.br
		915 - 928	4 W EIRP	FHSS		
Brunei Darussalam	OK	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 www.aiti.gov.bn
		923 - 925	2 W ERP			
Bulgaria	OK	865.6 - 867.6	2 W ERP	ETSI		Communications Regulation Commission (CRC) +359 2 949 2418 chairman@crc.bg www.crc.bg
		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/freq_plan_2018_bq-1_03092018.pdf">https://www.mtitc.government.bg/sites/default/files/freq_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>

Country	Status	Frequency in MHz	Power	Technique	Comments	Regulator
Cambodia	NA					Ministry of Posts and Telecommunications +855 23 722 916 ieng-mptc@camnet.com.kh www.mptc.gov.kh
Cameroon	NA					Agence de Régulation des Télécommunications (ART) +237 2223 0380 art@art.cm
Canada	OK	902 - 928	4 W EIRP	FHSS		Canadian Radio-Television and Telecommunications Commission +1 819 997 031 david.bell@crtc.gc.ca www.crtc.gc.ca
Chile	OK	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 gabinete@subtel.cl www.subtel.cl
		915 - 928	500 mW EIRP			
		925 - 928	1 W EIRP			
China	OK	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	OK	915 - 928	4 W EIRP	FHSS	The National Spectrum Chart is now administered by ANE, including specific rules for unlicensed bands ( <a href="https://www.ane.gov.co/SitePages/normatividad/index.aspx?p=741">https://www.ane.gov.co/SitePages/normatividad/index.aspx?p=741</a> ); actual rules are included in Resolution 105 of 2020 ( <a href="https://www.ane.gov.co/Sitios/archivos/Normatividad/2.%20DE%20LA%20ANE/Resoluciones%20ANE/Planeacion%20de%20Espectro/Resoluci%C3%B3n%20105%20de%202020.pdf">https://www.ane.gov.co/Sitios/archivos/Normatividad/2.%20DE%20LA%20ANE/Resoluciones%20ANE/Planeacion%20de%20Espectro/Resoluci%C3%B3n%20105%20de%202020.pdf</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>

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Congo, Rep.	NA					Administration Centrale des Postes et Télécommunications (D.G.A.C.P.T.) +242 811693 jmakoundou@yahoo.fr
Costa Rica	OK	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
Côte d'Ivoire	NA					Agence des Télécommunications de Côte d'Ivoire (ATCI) +225 20 344373 courrier@atci.ci www.atci.ci
Croatia	OK	865.6 - 867.6	2 W ERP	ETSI		Croatian Telecommunications Agency +385 1 489 6000 info@telekom.hr www.telekom.hr
Cuba	NA					
Cyprus	OK	865.6 - 867.6	2 W ERP	ETSI		Office of the Commissioner of Telecommunications and Postal Regulation +357 2269 3000 info@octpr.org.cy www.octpr.org.cy
		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	OK	865.6 - 867.6	2 W ERP	ETSI		Czech Telecommunication Office +420 224 004 704 info@ctu.cz www.ctu.cz
		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>

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Denmark	OK	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
		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	OK	902 - 928	4 W EIRP	FHSS		Instituto Dominicano de las Telecomunicaciones (INDOTEL) +1 809 732 5555 internacionales@indotel.org.do www.indotel.org.do
Ecuador	NA					Consejo Nacional de Telecomunicaciones (CONATEL) +593 2 222 5614 presidencia@conatel.gov.ec www.conatel.gov.ec
Egypt, Arab Rep.	NA					National Telecom Regulatory Authority (NTRA) +20 2 534 4105 nermines@ntra.gov.eg www.ntra.gov.eg
El Salvador	NA					Superintendencia General de Electricidad y Telecomunicaciones (SIGET) +503 2257 4438 otilio.rodriguez@siget.gob.sv siget@siget.gob.sv www.siget.gob.sv
Estonia	OK	865.6 - 867.6	2 W ERP	ETSI		Estonian National Communications Board (ENCB) +372 693 1154 postbox@sa.ee www.sa.ee
		915 - 921	4 W ERP			

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Finland	OK	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.	<i>The latest version of Regulation 4 (Radiotaajuusmääräys M4Y EN) can be found here:</i> <a href="https://www.finlex.fi/viranomaiset/normi/480001/44839">https://www.finlex.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/viranomaiset/normi/480001/44836?search%5Btype%5D=pika&amp;search%5Bpika%5D=">https://www.finlex.fi/viranomaiset/normi/480001/44836?search%5Btype%5D=pika&amp;search%5Bpika%5D=</a>
France	OK	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> .	<b>Declaration of 916.1-918.8 MHz band use required</b> 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>
Georgia	NA					Georgian National Communications Commission +995 32 921 667 post@gncc.ge www.gncc.ge
Germany	OK	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
Ghana	NA					
Greece	OK	865.6 - 867.6	2 W ERP	ETSI		National Telecommunications and Posts Commission (EETT) +30 210 615 1000 info@eett.gr www.eett.gr



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Guatemala	NA					Superintendencia de Telecomunicaciones de Guatemala Tel: +502 2366 5880 ochinchilla@sit.gob.gt abonilla@sit.gob.gt www.sit.gob.gt
Honduras	NA					Comisión Nacional de Telecomunicaciones (CONATEL) +504 234 8600 raseltome@conatel.hn www.conatel.hn
Hong Kong, China	OK	865 - 868	2 W ERP			Office of the Telecommunications Authority (OFTA) of the Hong Kong Special Administrative Region www.ofta.gov.hk
		920 - 925	4 W EIRP			
Hungary	OK	865.6 - 867.6	2 W ERP	ETSI		National Communications Authority, Hungary (NCAH) +36 1 457 7488 gulyas.robert@nhh.hu www.nhh.hu
		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>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.)</i> <a href="http://njt.hu/cgi_bin/njt_doc.cgi?docid=192196.366130">http://njt.hu/cgi_bin/njt_doc.cgi?docid=192196.366130</a>
Iceland	OK	865.6 - 867.6	2 W ERP	ETSI		Post and Telecom Administration +354 510 1500 pta@pta.is www.pta.is
India	OK	865 - 867	4 W ERP			Wireless Planning & Coordination Wing Ministry of Communications & Information Technology Department of Telecommunications Sanchar Bhawan, New Delhi 110001
Indonesia	OK	923 - 925	2 W ERP			Directorate General of Telecommunications +62 21 345 6332 ikhba@postel.go.id www.postel.go.id

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Iran, Islamic Rep.	OK	865 - 868	2 W ERP	ETSI		Communications Regulatory Authority (CRA) +98 21 8840 3612 khosravi@cra.ir irnadm@cra.ir
Ireland	OK	865.6 - 867.6	2 W ERP	ETSI		Commission for Communications Regulation +353 1 804 9619 info@comreg.ie www.comreg.ie
		915 - 921	4 W ERP			
Israel	OK	915 - 917	2 W EIRP		New regulations agreed on 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	OK	865.6 - 867.6	2 W ERP	ETSI		Autorità per le Garanzie nelle Comunicazioni (AGCOM) +39 081 7507111 info@agcom.it www.agcom.it
Jamaica	NA					Aeronautical Telecommunications Limited +1 876 978 3974 aerotel@cwjamaica.com
Japan	OK	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 www.soumu.go.jp
		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	OK	865 - 868	2.0 W ERP			Telecommunications Regulatory Commission (TRC) +962 6 550 1120 trc@trc.gov.jo www.trc.gov.jo

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Kazakhstan	NA					Agency of the Republic of Kazakhstan for Informatization and Communication +7 3172 75 7709 aazilkhan@yandex.ru www.aic.gov.kz
Kenya	NA					Communications Commission of Kenya (CCK) +254 20 424 2000 info@cck.go.ke www.cck.go.ke
Korea, Rep.	OK	917 - 920.8	4 W EIRP	FHSS or LBT		Korea Communications Commission +82 2 750 1710 parksk@mic.go.kr www.kcc.go.kr
		917 - 923.5	200 mW EIRP	FHSS or LBT		
Korea (DPR)	NA					
Kuwait	NA					Ministry of Communications +965 481 9033 moc@mockw.net www.mockw.net
Kyrgyz Republic	NA					National Information Resources, Technology and Communications Agency +996 312 544103 nta@infotel.kg
Latvia	OK	865.6 - 867.6	2 W ERP	LBT		Public Utilities Regulatory Commission +371 709 7200 sprk@sprk.gov.lv www.sprk.gov.lv
Lebanon	NA					Ministère des Télécommunications +961 1 979 979 secretary@mpt.gov.lb www.mpt.gov.lb
Libya	NA					
Liechtenstein	OK	865.6 - 867.6	2 W ERP	ETSI		Office for Communications www.ak.llv.li

Country	Status	Frequency in MHz	Power	Technique	Comments	Regulator
		915 - 918	4 W ERP	limited ETSI	918-921 MHz reserved for ER-GSM protection	
Lithuania	OK	865.6 - 867.6	2 W ERP	ETSI	Individual licence required.	Communications Regulatory Authority +370 5 210 5684 rrt@rrt.lt www.rrt.lt  <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> <a href="https://www.e-tar.lt/portal/lt/legalAct/2b496c90230d11e9bf1ef395f41d6fbc">https://www.e-tar.lt/portal/lt/legalAct/2b496c90230d11e9bf1ef395f41d6fbc</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.	
Luxembourg	OK	865.6 - 867.6	2 W ERP	ETSI		Institut Luxembourgeois de Régulation (ILR) +352 4588 4529 ilr@ilr.lu www.ilr.lu
		915 - 921	4 W ERP			
Macao, China	NA					
Macedonia, FYR	OK	865.6 - 867.6	2 W ERP	ETSI		Agency for Electronic Communications +389 2 328 9200 contact@aec.mk www.aec.mk

Country	Status	Frequency in MHz	Power	Technique	Comments	Regulator
Malaysia	OK	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	OK	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.	<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>
Mauritius	NA					Information and Communication Technologies Authority (ICTA) +230 211 5333 icta@intnet.mu www.icta.mu
Mexico	OK	902 - 928	4 W EIRP	FHSS		Comisión Federal de Telecomunicaciones (COFETEL) +52 55 1253 4203 internac@cft.gob.mx www.cft.gob.mx
Moldova	OK	865.6 - 867.6	2 W ERP	ETSI		National Regulatory Agency in Telecommunications and Informatics +373 22 251317 office@anrti.md www.anrti.md
		915 - 921	4 W ERP			

Country	Status	Frequency in MHz	Power	Technique	Comments	Regulator
Mongolia	NA					Communications Regulatory Commission +976 11 300 205 1237 crc@mongol.net
Montenegro	NA					
Morocco	OK	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 belkhadir@anrt.ma www.anrt.ma
		867.6 - 868.0	500 mW ERP			
Netherlands	OK	865.6 - 867.6	2 W ERP	ETSI		Radio Communications Agency Netherlands +31(0)50-5877400 agentschaptelecom@at-ez.nl www.agentschap-telecom.nl
New Zealand	OK	864 - 868	6 W EIRP	FHSS		Ministry of Economic Development +64 4 462 4241 christian.gomez@med.govt.nz www.rsm.govt.nz
		920 - 928				
Nicaragua	NA					Instituto Nicaragüense de Telecomunicaciones y Correos (TELCOR) Tel: +505 2 227 348 relaciones_internacionales@telcor.gob.ni www.telcor.gob.ni
Nigeria	OK	865.6 - 867.6	2 W ERP	ETSI		Nigerian Communications Commission (NCC) +234 9 461 7000 ndukwe@ncc.gov.ng www.ncc.gov.ng
Norway	OK	865.6 - 867.6	2 W ERP	ETSI		Norwegian Post and Telecommunications Authority (NPTA) +47 22 824600 willy.jensen@npt.no www.npt.no
		915 - 921	4 W ERP			

Country	Status	Frequency in MHz	Power	Technique	Comments	Regulator
Oman	OK	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
Pakistan	NA					Pakistan Telecommunication Authority (PTA) +92 51 287 8145 chairman@pta.gov.pk www.pta.gov.pk
Panama	OK	902 - 928	4 W EIRP	FHSS		Ente Regulador de los Servicios Públicos +507 278 4500 hrobles@ersp.gob.pa www.ersp.gob.pa
Paraguay	NA					Comisión Nacional de Telecomunicaciones (CONATEL) +595 21 446 080 presidencia@conatel.gov.py www.conatel.gov.py
Peru	OK	915 - 928	4 W EIRP	FHSS		Ministerio de Transportes y Comunicaciones +51 1 615 7800 www.mtc.gob.pe
Philippines	NA					Department of Transportation and Communications (DOTC) +63 2 725 0459 ceversar@yahoo.com
Poland	OK	865.6 - 867.6	2 W ERP	ETSI		Office of Electronic Communications +48 22 534 9156 uke@uke.gov.pl www.uke.gov.pl
Portugal	OK	865.6 - 867.6	2 W ERP	ETSI		ICP - Autoridade Nacional de Comunicações (ANACOM) +351 21 721 1000 mailto:miguel.capela@anacom.pt www.anacom.pt

Country	Status	Frequency in MHz	Power	Technique	Comments	Regulator
Romania	OK	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 Federation	OK	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 www.minsvyaz.ru mail@minsvyaz.ru
		866 - 868	500 mW ERP		Under License.	
		866.0 - 867.6	2 W ERP			
		915 - 921	1 W ERP		Under License.	
Saudi Arabia	OK	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
Senegal	NA					Agence de Régulation des Télécommunications +221 869 0369 art@art.sn www.art.sn
Serbia	OK	865.6 - 867.6	2 W ERP	ETSI		Federal Ministry of Transport and Telecommunications +381 11 3114855 mintel@gov.yu
Singapore	OK	866 - 869	0.5 W ERP			InfoComm Development Authority of Singapore (IDA) +65 6211 0888 info@ida.gov.sg <a href="http://www.ida.gov.sg">www.ida.gov.sg</a>
		920 - 925	2 W ERP			



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Slovak Republic	OK	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
		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>
Slovenia	OK	865.6 - 867.6	2 W ERP	ETSI		Post and Electronic Communications Agency 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). <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	OK	865.6 - 867.6	2 W ERP	ETSI		Independent Communications Authority of South Africa (ICASA) +27 11 321 8454 nkuli@icasa.org.za
		915.4 - 919	4 W EIRP	FHSS		
		919.2 - 921	4 W EIRP	Non-modulating		

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Spain	OK	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
Sri Lanka	NA					Telecommunications Regulatory Commission of Sri Lanka +94 11 268 9345 dgtsl@trc.gov.lk www.trc.gov.lk
Sudan	NA					National Telecommunications Corporation (NTC) Tel: +249 12 348 4487 Email: siddig@ntc.org.sd
Sweden	OK	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  <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>
		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	OK	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	
Syrian Arab Rep.	NA					Syrian Telecommunications Establishment (STE) +963 11 224 0300 ste-gm@net.sy
Taiwan	OK	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	

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Tajikistan	NA					
Tanzania	NA					Tanzania Communications Regulatory Authority (TCRA) +255 22 211 8947 dg@tcra.go.tz
Thailand	OK	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@nbt.go.th www.nbt.go.th
Trinidad and Tobago	NA					Telecommunications Authority of Trinidad and Tobago (TATT) +1 868 675 8288 csecheran@tatt.org.tt
Tunisia	OK	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	OK	865.6 - 867.6	2 W ERP	ETSI	Indoor use only.	Telecommunications Authority International Relations & EU Coordination Dept. +90 312 550 5125 info@tk.gov.tr www.tk.gov.tr
Turkmenistan	NA					Ministry of Communication +993 12 352 153
Uganda	NA					Uganda Communications Commission +256 41 2348 830 ucc@ucc.co.ug www.ucc.co.ug
Ukraine	NA					National Commission for Communications Regulation of Ukraine +380 44 278 9793 nkrz_site@ukr.net www.nkrz.gov.ua

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United Arab Emirates	OK	865.6 - 867.6	2 W ERP	ETSI		Telecommunications Regulatory Authority (TRA) +971 2 621 2222 info@tra.ae www.tra.ae
United Kingdom	OK	865.6 - 867.6	2 W ERP	ETSI		Office of Communications - Ofcom +44 20 7981 3000 contact@ofcom.org.uk www.ofcom.org.uk
		915 - 921	4 W ERP			
United States	OK	902 - 928	4 W EIRP	FHSS		Federal Communications Commission +1 202 418 2150 ibmail@fcc.gov www.fcc.gov
Uruguay	OK	902 - 928	4 W EIRP	FHSS		Unidad Reguladora de Servicios de Comunicaciones (URSEC) +598 2 902 8082 www.ursec.gub.uy
Uzbekistan	NA					Communications and Information Agency of Uzbekistan +998 71 138 4107 info@aci.uz www.aci.uz
Venezuela, RB	OK	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	OK	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 dic@mpt.gov.vn www.mpt.gov.vn
		918 - 923	0.5 W ERP			
		920 - 923	2 W ERP		Exclusively for <b>licensed</b> intelligent traffic systems / nonstop electronic toll collection ( <b>ETC</b> ) systems.	

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Yemen, Rep.	NA					Ministry of Telecommunications and Information Technology +967 1 331 452 dmcom@yemen.net.ye
Zimbabwe	NA					Postal and Telecommunications Regulatory Authority (POTRAZ) +263 4 333 032 the.regulator@potraz.gov.zw www.potraz.gov.zw