

CITRA

Communication and Information Technology Regulatory Authority

Wi-Fi Service Regulations

1-0 Definitions:

1-1 Authorization: means the statement that allows operation of Wi-Fi equipment by any user within certain frequency bands governed by the terms stated herein.

1-2 Registration: means the process of information collection and authentication, as per article (5) hereof.

1-3 Beneficiary: means any natural or juridical person who benefits from a public communication service, which use is intended for special purposes by using communication processes.

1-4 Service Provider/Authorized Person: means the person who is authorized to provide one communication service or more to the public or is licensed to manage, establish or operate a communication network or Internet service for providing communication services to the public, including the provider of information or content that is provided via communication network.

1-5 Yard: means the partially or wholly closed area such as; adjacent yards or nearby ground return of private property.

1-6 IEEE: means the Institute of Electrical and Electronics Engineers. It is a nonprofit organization for issuing IEEE-SA standards (standards of Institute of Electrical and Electronics Engineers Standards Association). IEEE-SA is considered a leading organization in developing industrial standards and it has strategic relations with IEC (International Electro-technical Commission) and ISO (International Organization for Standards, and International Telecommunication Union).

1-7 Harmful Interferences: means interferences that prevent or are severely influential on any wireless services or radio communication services.

1-8 Coverage in Closed Areas: means LAN/WLAN inside buildings (internal part of facility), including, but not limited to, the following:

1-8-1 Hotels and airports in order to provide wireless Internet service to their customers and others.

1-8-2 Public libraries and academic facilities, such as universities, faculties, schools and other academic institutions, hospitals and clinics.

1-8-3 Entities inside buildings for their private use. This includes all kinds of data communication requirements.

1-8-4 Coffee shops and restaurants, provided that they shall be held liable for providing detailed information on all registered users, if it is so required by CITRA.

1-9 LAN: is a wired network to interconnect computers for transmitting and interchanging data, that provides a vast variety of high-speed applications, a wide band and digital distribution applications comprised of voice, video and data.

1-10 Coverage in Open Places: means LAN/WLAN communication outside yards, depending on Municipality's approval.

1-11 Quality Approval: means approval on using or importing certain quality types of communication devices and terminal communication equipment that CITRA has the right to modify from time to time.

1-12 Wi-Fi: is a term used to define any wireless communication technologies at IEEE Standard 802.11. it is a technology on which almost all wireless networks "WLAN" are based. This definition does not mean any certain technology.

1-13 Hotspot Wi-Fi: means the wideband transmission system that uses technologies for modifying bandwidth propagation, and for avoidance of doubt, in this definition the term "wireless Internet service Wi-Fi" does not include any particular standard or specific technology.

1-14 WLAN Local Wireless Networks Equipment: is a wireless network for interconnecting computers to transmit and interchange data, that provides a vast variety of high-speed applications, bandwidth and digital distribution applications, that contains voice, video and data.

2-0 Guidelines for Using Bandwidth Exempted from License:

Frequencies stated in the schedule below are deemed to be exempted from license. Further, fees mentioned in the schedule below are against registration of points used in network (the network components known as communication points).

Type of User	Coverage in Closed Places	Coverage in Open Places	Number of Points of Communication, Stations or Hotspot Wi-Fi Allowed To Be Installed	Requires Registration	Requires Authorization	Charges
Individuals in Private Accommodation	x	x	25 points or less	No	No	N/A
Projects, Commercial Real Estates and Government Personnel	x		25 points or less	Yes	No	KD 20
Projects, Commercial Real Estates and Government Personnel		x	25 points or less	Yes	No	KD 20
Projects, Commercial Real Estates and Government Personnel	x		More than 25 points	No	Yes	KD 1 per Point
Projects, Commercial Real Estates and Government Personnel		x	More than 25 points	No	Yes	KD 1 per Point

3-0 Technical and Operational Requirements:

The operation process shall be conformant to the following standards that are applicable to all users of bandwidth exempted from licensing, whether in closed or open places:

Technical Requirements:
The equipment interconnected to this band, whether used in closed or open places, shall meet quality compliance standards.
In the events where user is willing to benefit from the equipment not approved for use in the State of Kuwait, a request to obtain a certificate must be made, as per the guiding principles for quality approval.
The equipment operating in license-exempt bandwidth must be consistent with wireless frequency exposure standards and obedient to ETSI transmission power as set out in Schedule No. (1).
No amendment to equipment specifications shall be made, except after CITRA's written approval is obtained.
Operation Requirements:
Users shall comply with requirements for approvals on the antennas and their supporting structures.
It is prohibited to market amplifiers of power pumps with power emitted on the equipment operating on the license-exempt bandwidth.
2.4 gigahertz and 5 gigahertz can be dedicated to other wireless uses. In such cases, Wi-Fi must be operated on secondary use basis, and in cases of harmful interference, Wi-Fi license-exempt user must stop operating the equipment.
If supplied Wi-Fi networks is used on commercial basis, the following must be explained to customers: 1) That they use unsafe network, where there wouldn't be enough protection in respect of privacy and data security. 2) That registration of user data and all other technical requirements shall be on the responsibility of those service providers, along with user records to be kept on each access point for at least six months or as designated by CITRA and those registers shall be submitted upon request, provided the information shall be satisfactory, classified and clear. 3) These service providers shall keep confidential customers information and such information shall be submitted only to CITRA at CITRA's request, or to security bodies stated by law. 4) Any use of license – exempt bandwidth shall not be subject to service quality regulation. 5) Criteria, specifications and standards pertinent to cyber security as designated by Communication and Information Technology Regulatory Authority shall be implemented with respect to all services provided by licensee. 6) Latest programs and equipment necessary for protecting and monitoring networks and data shall be provided, as per the standards and conditions approved by Communication and Information Technology Regulatory Authority. 7) Communication and Information Technology Regulatory Authority shall have the right to monitor and follow up the licensee to indicate confidentiality level, information security and how far the licensee has implemented the specifications and standards pertinent to cyber

security, or verify notifications and security accidents, and obtain data necessary for dealing with notifications or security accident.

4-0 Charges:

CITRA shall set the administrative charges, inclusive of costs of study, examination or registration as set forth herein and CITRA may modify the charges from time to time.

5-0 Registration and/or Authorization Processes:

User shall abide, over and above the guiding principles, by the following steps:

User's Registration Process	
Steps	Information Required
Visit CITRA's website via the following link:	WWW.CITRA.GOV.KW
Communication Information	<ul style="list-style-type: none"> ✓ User's Name and Address ✓ User's Communication Number and E-mail
Additional Information	<ul style="list-style-type: none"> ✓ Name of company who manufactured the piece of equipment and serial number of each communication point ✓ Serial number of Quality Compliance Certificate ✓ Number of Communication Points of each kind ✓ Where equipment is to be installed, either inside or outside ✓ Emission capacity of waves compliant to CITRA's specifications ✓ The purpose of equipment installation, whether it is private or commercial
Processing Authorization for User	
Visit CITRA's website via the following link:	WWW.CITRA.GOV.KW
Communication Information	<ul style="list-style-type: none"> ✓ User's Name and Address ✓ User's Communication Number and E-mail
Additional Information	<ul style="list-style-type: none"> ✓ Name of company who manufactured the piece of equipment and serial number of each communication point ✓ Serial number of Quality Compliance Certificate

	<ul style="list-style-type: none"> ✓ Number of Communication Points of each kind ✓ Where equipment is to be installed, whether inside or outside ✓ Emission capacity of waves compliant to CITRA's specifications ✓ The purpose of equipment installation, whether it is private or commercial
Technical Documentation	<ul style="list-style-type: none"> ✓ Network Formation Chart ✓ Equipment Site Map ✓ Security Protocols
<ul style="list-style-type: none"> • CITRA shall accept or reject to grant the authorization in 10 business days from the Submission date of Request • CITRA may at any time later recall the authorization at any time later, if the user fails in following the guiding principles or any other materials herein 	<p>CITRA retains its right:</p> <ol style="list-style-type: none"> 1) To request change of technical standards applicable. 2) Not to issue the authorization, in case the required information is not completed.

6-0 Having obtained CITRA's approval, Service Provider may enter into subcontract agreement with another authority to provide the communication services authorized to be provided and Service Provider shall remain solely liable towards CITRA and beneficiary from all obligations.

Technical Requirements Schedule (1)

Frequency	Radiation Power	Electromagnetic Compatibility EMC	Notes
2400-2483.5 megahertz	100 Milliwatts as maximum average effective radiated power of Effective Isotropic Radiated Power (EIRP) Antenna or 10 Milliwatts per megahertz at any band per megahertz	International Telecommunication Standard (EN 300328)	Channels 1-13 can be used
5150-5250 megahertz	200 Milliwatts as maximum average effective radiated power of Effective Isotropic Radiated Power (EIRP) Antenna or 10 Milliwatts per megahertz at any band per megahertz	International Telecommunication Standard (EN 301893)	

5250-5350 megahertz	100 Milliwatts as maximum average effective radiated power of Effective Isotropic Radiated Power (EIRP) Antenna or 10 Milliwatts per megahertz at any band per megahertz	International Telecommunication Standard (EN 301893)	Dynamic Choice of DFS frequency and Control of Transmission Power (TPC) are mandatory requirements
5470-5725 megahertz	500 Milliwatts as maximum average effective radiated power of Effective Isotropic Radiated Power (EIRP) Antenna or 50 Milliwatts per megahertz at any band per megahertz	International Telecommunication Standard (EN 301893)	Dynamic Choice of DFS frequency and Control of Transmission Power (TPC) are mandatory requirements
5725-5825 megahertz	500 Milliwatts as maximum average effective radiated power of Effective Isotropic Radiated Power (EIRP) Antenna or 50 Milliwatts per megahertz at any band per megahertz	International Telecommunication Standard (EN 301893)	Dynamic Choice of DFS frequency and Control of Transmission Power (TPC) are mandatory requirements