



# GOVERNMENT GAZETTE

## OF THE

# REPUBLIC OF NAMIBIA

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## General Notice

### COMMUNICATIONS REGULATORY AUTHORITY OF NAMIBIA

No. 361 2019

AMENDMENT OF REGULATIONS IN RESPECT OF TYPE APPROVAL AND TECHNICAL  
STANDARDS FOR TELECOMMUNICATIONS EQUIPMENT:  
COMMUNICATIONS ACT, 2009

The Communications Regulatory Authority of Namibia, under section 129 of the Communications Act, 2009 (Act No. 8 of 2009) and in accordance with the Regulations regarding Rule-Making Procedures published under General Notice No. 334 of 17 December 2010, has amended the regulations set out in the Schedule.

**H. M. GAOMAB II**  
**CHAIRPERSON, BOARD OF DIRECTORS**  
**COMMUNICATIONS REGULATORY AUTHORITY OF NAMIBIA**

### SCHEDULE

#### Definitions

1. In these regulations the “Regulations” means the Regulations in Respect of Type Approval and Technical Standards for Telecommunications Equipment published under General Notice No. 22 of 30 January 2015.

**Substitution of regulation 5 of Regulations**

2. The Regulations is amended by the substitution for regulation 5 of the following regulation:

**“Telecommunication equipment requiring type approval**

5. (1) A person or entity that intends to -
- (a) connect any equipment to an electronic communication network in Namibia for purposes of electronic communications; or
  - (b) use, sell or offer for sale or re-sale telecommunications equipment in Namibia,

that is not type approved or exempted from type approval in terms of these regulations, must apply on Form 1 set out in Annexure 1 and submit the telecommunications equipment to the Authority for type approval in accordance with regulation 7 prior to the use, connection, sale or re-sale.

- (2) The Authority must publish on its *website* -
- (a) a list of telecommunications equipment that have been type approved; and
  - (b) a list of telecommunications equipment exempted from type approval.

(3) Despite subregulation (1), but subject to subregulation (4), telecommunications equipment that -

- (a) is temporarily imported into Namibia for re-export; or
- (b) is used solely for the research and development of the equipment, demonstration of prototypes, testing or trials,

does not require type approval.

(4) A person or entity may not import telecommunications equipment that does not require type approval without the authorisation of the Authority, and the application for the authorisation must specify -

- (a) the particulars of the equipment;
  - (b) the location where the equipment is to be based;
  - (c) the purpose of importing the equipment and use thereof; and
  - (d) the period of stay of the equipment in Namibia.
- (5) A person or entity that intends to -
- (a) connect any equipment to an electronic communication network in Namibia for purposes of electronic communications; or
  - (b) use, sell or offer for sale or re-sale telecommunications equipment in Namibia,

that has already been type approved in terms of these regulations must apply in a simplified certification *process* on Form 3 set out in Annexure 4 and in accordance with regulation 7 for a certificate to use, connect, sale or re-sale the already type approved telecommunications equipment.

### **Substitution of regulation 10 of Regulations**

3. The Regulations is amended by the substitution for Regulation 10 of the following Regulations:

#### **“Effect of successful application for type approval**

10. (1) The holder of a type approval certificate or the owner of a telecommunications equipment that has been type approved by the Authority may only use, sell, offer for sale or connect telecommunications equipment to an electronic communications network which are identical in all material respects to the type approved telecommunications equipment in respect of which the type approval certificate has been issued.

(2) After registration, any telecommunications equipment sample submitted at the request of the Authority may be returned to the applicant but the Authority may retain any related documents for reference purposes.

(3) A type approval certificate is valid for a period of three (3) years, and may be renewed by the Authority on application made -

- (a) by the holder of such certificate on Form 2 set out in Annexure 3; and
- (b) within a period of not less than thirty (30) days and not more than sixty (60) days prior to the date of expiry.

(4) An application for renewal of type approval certificate referred to in subregulation (3) is granted upon the submission of such information or documents as the Authority may require and on conditions that -

- (a) no modification in respect of the model, design, function, or other information recorded in the type approval certificate or type approval register is made to the type approved telecommunications equipment;
- (b) no significant changes are made to the technical specifications of the type approved telecommunications equipment, including but not limited to -
  - (i) the operating frequency band; and
  - (ii) RF power and technical standards upon which the telecommunications equipment was type approved; and
- (c) the application is accompanied by a letter from the manufacturer confirming that the telecommunications equipment is still under their support.

(5) Neither the grant of type approval, nor the acceptance of test results in terms of these regulations may be construed as a guarantee by the Authority for the proper functioning, performance or quality of the type approved telecommunications equipment.

(6) A person or entity who or which connects telecommunications equipment to an electronic communications network in Namibia must ensure that such telecommunications equipment -

- (a) is type approved; and
- (b) inter-connects properly with the electronic communications network.

(7) The Authority is not liable for interference caused to other equipment, injury, loss of life or damage to property arising from the direct or indirect use of the type approved telecommunications equipment.

(8) A network operator may not refuse connection of type approved telecommunications equipment unless there are reasonable grounds, as determined by the Authority, that such connection should be refused.”

#### **Substitution of Annexure 1 of Regulations**

4. The Regulations is amended by the substitution for Annexure 1 of the following Annexure:

## ANNEXURE 1

## FORM 1

## APPLICATION FORM TELECOMMUNICATIONS EQUIPMENT TYPE APPROVAL

*In terms of Regulation 5, 7 and 15 of the Regulations, unless exempted by the Authority, any person or entity that intends to connect telecommunications equipment to an electronic network in Namibia for purposes of electronic communications or intends to use, sell or offer for sale telecommunications equipment within the Republic of Namibia is required to complete this application for type approval.*

*After completing the form, sign it and submit it to the Authority as required by Regulation 7, along with the relevant application fee or proof that the application fee has been paid to the Authority.*

## 1. APPLICANT

Name of Original Equipment Manufacturer	
Postal Address:	
Physical Address:	
Contact Person:	
Email Address:	
Telephone No:	
Facsimile No:	
Website:	

## 2. DETAILS OF ANY PERSON ACTING AS REPRESENTATIVE OF ORIGINAL EQUIPMENT MANUFACTURER

(Letter of authorization from original equipment manufacturer must be attached to application)

Name of Agent/Representative	
Postal Address:	
Physical Address:	
Contact Person:	
Email Address:	
Telephone No:	
Facsimile No:	
Website:	

## 3. APPLICATION CATEGORY

Type Approval (proof of adherence to applicable technical standards, certificate of conformance test reports and other data must be attached-refer regulations 6 and 7 to be attached)	
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#### 4. ORIGINAL EQUIPMENT DETAILS

4.1 Please indicate the appropriate equipment category -

Call Monitoring Equipment	Call Metering Unit	
	Call Monitoring Unit	
	Call Barring Unit	
	Call Recording Unit	
	Subscriber Private Meter	
Data Equipment	Modem	
	Packet Assembler/Disassembler (PAD)	
	Multiplexer (MUX)	
Facsimile Equipment	All Types	
Network Equipment	Microwave Transmitter	
	Base Station Transmitter	
	Network Management System	
Paging Equipment	All Types	
Payphone Terminal Equipment	All Types	
Radio Communications Equipment	High Frequency (HF)	
	Very High Frequency (VHF)	
	Ultra-High Frequency (UHF)	
	Radio Alarm Transmitter	
	Citizen Band Radio	
	Amateur Radio	
Satellite Earth Terminal	Global Mobile Personal Communications Services (GMPCS) terminal (with ITU MoU Mark)	
	Global Mobile Personal Communications Services (GMPCS) terminal (without ITU MoU Mark)	
	Very Small Aperture Terminal (VSAT)	
Short Range Devices/ Low Power terminals	Closed circuit television (CCTV)	
	Industrial control devices	
	Ultra-Wideband (UWB) sensors and radars (such as ground probing radar)	
	Road Transport telematics	
	Telemetry	
Telephone Terminal Equipment	Global System for Mobile (GSM) phone	
	Code Division Multiple Access (CDMA) terminal	
Digital Set-Top Box	All types	
VOIP network equipment	E1 interface card	
	Voice Over Internet Protocol (VOIP) gateway	
	IP terminal	
Wimax terminal	All types	

4.2 Equipment details

Model:	
Frequency Range:	
ITU Emission Code:	
Modulation:	
Power Output:	

4.3 Indicate whether the equipment is intended for use as:

Stand-Alone	
Dual Interface equipment (RF and Telecommunications)	
Plug-in Card	
Other (Please specify below)	

**5. REQUIRED INFORMATION AND/OR DOCUMENTATION TO BE ATTACHED TO APPLICATION**

Personal identification, a certificate of incorporation or a valid trade licence in the name of the applicant	
Certified copy of declaration of conformity by applicant, manufacturer or supplier of telecommunications equipment including test report (both RF and EMC), issued by an accredited test laboratory	
Certified copy of test report for Safety Regulations issued by an accredited test laboratory	
Receipt issued by CRAN as per applicable fees	
Physical sample equipment if type approval of untested equipment is requested	
Technical, physical, operational, installation and user information	

Signed by \_\_\_\_\_  
 At \_\_\_\_\_  
 In his/her capacity as \_\_\_\_\_  
 duly authorised and warranting such authority and warranting that the information provided herein is true and correct, on the \_\_\_\_\_ day of \_\_\_\_\_ 20 \_\_\_\_\_.

\_\_\_\_\_  
 Signature

**ACKNOWLEDGEMENT OR RECEIPT BY CRAN**

Name	
Date	
Place	
Signature	

**Substitution of Annexure 2 of Regulations**

5. The Re<sup>o</sup>gulations is amended by the substitution for Annexure 2 of the following Annexure:

**“ANNEXURE 2****TYPE APPROVAL FEES**

(Regulation 13)

<b>Equipment Category</b>	<b>Equipment Included in Category</b>	<b>Fees (N\$)</b>
Radio Transmitter Equipment	Community Radio Transmitter	1 150
Call Monitoring Equipment	Call metering unit	288
	Call monitoring unit	288
	Call barring unit	288
	Call recording unit	288
	Subscriber private meter	288
Data Equipment	Packet Assembler/Disassembler (PAD)	518
	Multiplexer (MUX)	518
Facsimile Equipment	All types	518
Network Equipment (all technologies)	Microwave Transmitter	3 450
	Base Station Transmitter	3 450
	Network Management System	3 450
	Cell Booster	518
	Cell Extender	518
Paging Equipment	All types	518
Payphone Terminal Equipment	All types	518
Radio Communications Equipment	High Frequency (HF)	518
	Very High Frequency (VHF)	518
	Ultra-Hugh Frequency (UHF)	518
	Radio alarm transmitter	518
	Citizen band	518
	Amateur	518
Satellite Earth Terminal	Global Mobile Personal Communications Services (GMPCS) terminal (with ITU MoU Mark)	115
	Global Mobile Personal Communications Services (GMPCS) terminal (without ITU MoU Mark)	518
	Very Small Aperture Terminal (VSAT)	1 725
Short Range Devices/Low power terminals	Industrial control	403
	Ultra-Wideband (UWB) Sensors & Radars (such as ground probing radar)	288
	Road Transport Telematics	288
	Telemetry.	288
	Closed Circuit Television (CCTV)	288
Telephone Terminal Equipment	Global System for Mobile (GSM) terminal	518
	Code Division Multiple Access (CDMA) terminal	518
Voice Over Internet Protocol (VOIP) Network Equipment	E1 interface card	2 875
	VoIP gateway	2 875
	IP terminal	2 875
WiMAX terminal	All types	518



### Substitution of Annexure 3 of Regulations

6. The Regulations is amended by the substitution for Annexure 3 of the following Annexure:

#### “ANNEXURE 3

#### FORM 2

### APPLICATION FOR RENEWAL OF TELECOMMUNICATIONS EQUIPMENT TYPE APPROVAL CERTIFICATE

*In terms of Regulation 10(3) of the Regulations in respect of Telecommunications Equipment Requiring Type Approval any person or entity that intends to connect telecommunications equipment to an electronic network in Namibia for purposes of electronic communications or intends to use, sell or offer for sale telecommunications equipment in Namibia is required to complete this renewal for type approval prior to the expiry of a type approval certificate issued by the Authority.*

*After completing the form, sign it and submit it to the Authority as required by Regulation 10, along with the relevant application fee or proof that the application fee has been paid to the Authority.*

#### 1. CONTACT DETAILS OF TYPE APPROVAL CERTIFICATE HOLDER

Name of Original Equipment Manufacturer	
Postal Address:	
Physical Address:	
Contact Person:	
Email Address:	
Telephone No:	
Facsimile No:	
Website:	

#### 2. TYPE APPROVAL CERTIFICATE

Type Approval Certificate Number	
Date of Issuance	
Brand Name	
Model Number	

#### 3. DETAILS OF ANY PERSON ACTING AS REPRESENTATIVE OF ORIGINAL EQUIPMENT MANUFACTURER

(Letter of authorization from original equipment manufacturer must be attached to application)

Name of Agent/Representative	
Postal Address:	

Physical Address:	
Contact Person:	
Email Address:	
Telephone No:	
Facsimile No:	
Website:	

**4. REQUIRED INFORMATION AND/OR DOCUMENTATION TO BE ATTACHED TO RENEWAL FORM**

Personal identification, a certificate of incorporation or a valid trade licence in the name of the type approval certificate holder
Certified copy of the type approval certificate previously issued by the Authority
Confirmation letter from the manufacture that the product is still under support
NB: Any submitted document not in English must be accompanied by a certified (by Notary Public) as a true English translation.

Signed by \_\_\_\_\_

At \_\_\_\_\_

In his/her capacity as \_\_\_\_\_  
 duly authorised and warranting such authority and warranting that the information provided herein is true and correct, on the \_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_.

\_\_\_\_\_  
**Signature**

**ACKNOWLEDGEMENT OF RECEIPT BY CRAN**

Name	
Date	
Place	
Signature	

**Insertion of Annexure 4 of Regulations**

7. The Regulations is amended by the insertion after Annexure 3 of the following Annexure:

**“ANNEXURE 4****FORM 3****APPLICATION FOR TYPE APPROVAL CERTIFICATE FOR  
TELECOMMUNICATIONS EQUIPMENT ALREADY TYPE APPROVED**

*In terms of Regulation 5(5), of the Regulations in respect of Telecommunications Equipment Already Type Approved, Subsequent users of equipment that appears on the Authority’s type approval register may apply for a certificate to use, connect, sale or re-sale the already type approved equipment in accordance with the simplified certification process.*

*After completing the form, sign it and submit it to the Authority as required by Regulation 7, along with the relevant application fee or proof that the application fee has been paid to the Authority.*

**1. APPLICANT**

Name of Applicant	
Postal Address:	
Physical Address:	
Contact Person:	
Email Address:	
Telephone No:	
Facsimile No:	
Website:	

**2. DETAILS OF TELECOMMUNICATIONS EQUIPMENT ALREADY TYPE APPROVED**

Type Approval Certificate Number	
Date of Issuance	
Brand Name	
Model Number	

**3. REQUIRED INFORMATION AND DOCUMENTATION TO BE ATTACHED TO APPLICATION**

Personal identification, a certificate of incorporation or a valid trade licence in the name of the applicant	
Receipt issued by CRAN as per applicable fees	

Signed by \_\_\_\_\_

At \_\_\_\_\_

In his/her capacity as \_\_\_\_\_  
duly authorised and warranting such authority and warranting that the information provided herein is  
true and correct, on the \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_\_.

\_\_\_\_\_  
**Signature**

**ACKNOWLEDGEMENT OF RECEIPT BY CRAN**

Name	
Date	
Place	
Signature	

**ANNEXURE 54****SUMMARY AND ANALYSIS OF COMMENTS RECEIVED****1. BACKGROUND**

The Notice of Intention to amend the Regulations in respect of Type Approval and technical Standards for Telecommunications equipment was published in the Government Gazette no. 6750, General Notice 603. The Authority received written comments submission from MultiChoice Namibia. A public hearing was held on 30 January 2019 during which verbal comments and input were received. The oral and written comments received are summarized and responded to below.

**2. STAKEHOLDER INPUT****2.1 Written submission****2.2.1 *Multichoice*****a) Regulation 10(8)**

MultiChoice Namibia submitted that regulation 10(8) be amended for the obligation, to ensure that the type approved equipment interconnects properly with electronic communications networks in Namibia, to shift from the holder of the type approval certificate to the person who connects the equipment. This is in line with the shift from person specific to equipment specific regulation.

**Authority response**

The Authority notes that the amendment notice did not propose to amend Regulation 10(8). The authority however accepts the proposal due to the fact that it's consequential to object of the amendment, i.e. equipment specific regulation. The Sub regulation 8 will thus be will be amended to read as follows:

*“Any person who connects telecommunications equipment to an electronic communications network in Namibia must ensure that such telecommunications equipment is type approved and that it inter-connects properly with the electronic communications network.”*

**b) Regulation 10(6)**

MultiChoice submits that equipment should only be type approved once (unless there is a material change to the type approved equipment) and the renewal of the certificate after the 3 years expiry is not necessary, create red tape and unnecessarily burden on both CRAN and certificate holders.

MultiChoice is further of the view that any residual concerns are addressed by regulation 10(3) (type approved equipment sold must be identical in all material respects to the type approval certificate) and regulation 12 (revocation of type approval certificate inter alia because type approved equipment does not comply with applicable technical standards or the Regulations).

**Authority response**

The Authority notes that the amendment notice did not propose to amend Regulation 10(6)

Be that as it may, the Authority submits that the rationale for the expiry of the type approval certificate is to protect Namibia from being a dumping ground for old equipment. As such, the application for renewal of the certificate will need to be accompanied by a confirmation letter from the manufacture that the product is still under support.

The Authority has however, resolved to increase the period of renewal to 5 years and introduce the following requirement under 10(6)

*(c) That the renewal application must be accompanied by a letter from the manufacturer confirming that the telecommunications equipment in question is still under support.*

*Annexure 4 form 3, should also be amended to reflect this change.*

**c) Regulation 5(1)**

MultiChoice proposes that the use of telecommunications equipment should not require type approval if the equipment is used solely for the research and development of the equipment, demonstration of prototypes, testing or trials.

**Authority response**

The Authority notes the proposal and submits that such equipment will be exempted from type approval however one must get authorization from the Authority to import it into the country. Application for such authorization will require the following:

- i. Location where the equipment will be based;
- ii. Period of stay in Namibia;
- iii. Purpose of importing the equipment;
- iv. Details of the equipment

The drafter will be instructed to insert a sub regulation under regulation 5 (2) to reflect this principle.

**d) Regulation 5(3)**

This regulation required all equipment type approved by NCC to have been assessed by CRAN within six months of the Regulations having come into effect. MultiChoice proposes the deletion of this regulation as the Regulations have been in effect for nearly four years.

**Authority response**

The proposal is accepted and sub regulation 5(3) is deleted.

### **2.2.2 *Bits and Bytes Technologies CC***

Bits and Bytes Technologies submitted that the Authority should exempt motherboards (LAN and Wi-Fi), laptops (LAN and Wi-Fi), wireless mice, wireless keyboards, wireless headsets and wired and wireless add-ons (NIC) to computers.

The reason for the request is that there is no connection that can be made from any of the mentioned devices to the internet as one will only access the gateway IP which is needed to connect to the internet.

The further submitted that such exemption will allow for the market to adjust faster to the new technological trends and allow more competition between IT companies in Namibia since there is currently no one willing to go through the hassle of type approval on such products due to the time frame involve to get suppliers to apply and for the suppliers to request letters of type approval from the manufacturers.

#### **Authority response**

The proposal is accepted, and the type approval exemption list will be updated.

## **2.2 Oral submissions**

At the public hearing that took place on 30 January 2019, the Authority received the following comments:

### **2.2.1 *Radio Electronics***

- a) Radio electronics objects to type approval per equipment on grounds that a lot of time and resources is spent in the application for type approval and they opine that other people requiring a type approval certificate cannot just get a certificate without putting in the same effort.

#### **Authority response**

The introduction of equipment specific regulation, which resulted in exemptions of type approval, was considered after consultations with several stakeholders who raised challenges with obtaining the required documentation from manufacturers, benchmarking with other regulators and special regard to introducing a framework which supports international treaties on the free flow of goods and services into the country.

Further, the Authority is of the view that equipment specific regulation is reflective of the intention of the legislature as captured in Section 80 of the Communications Act. This intention includes inter alia that equipment are type approved and that the Authority has satisfied itself that equipment entering the Namibian borders will not pose a hazard to public safety. The Authority views the comments of radio electronic as aimed at using the regulatory process to maintain a monopoly in the supply of telecommunications equipment. The proposal will thus not be considered.

- b) Radio electronics further requested the Authority to clarify whether, there is a difference between low high powered devices and how the Authority intends to monitor the difference.

**Authority response**

The Authority considers low powered devices as those transmitting at less than 10 Mw and anything above this is classified as high powered devices. A number of low powered devices will be exempted from type approval and the Authority will ensure compliance *via* its monitoring and enforcement provisions.

**1.1.2 ICT Trading Enterprise**

- a) ICT Trading enterprise also objects to the proposed type approval per equipment and not per person.

**Authority response**

See response as provided to Radio Electronic above.

- b) ICT Trading Enterprise also queried on the procedure for the application of type approval when there is already a type approval certificate.

**Authority response**

The Authority has introduced a simplified type approval process for equipment already type approved.

- c) Raised a concern that the exemption of products with 10MW output or less will lead to equipment owners lying about the specifications in order to avoid applying for type approval certificates. Propose that the Authority need to put in stringent measures to ensure that right equipment enters the boarder without certification.

**Authority response**

The Authority will ensure compliance *via* its monitoring and enforcement provisions.

- d) ICT Trading enterprises further enquired whether the Authority will be type approving the module or the end product.

**Authority response**

The Authority will type approval any devices that fall under the definition of telecommunications device as defined in the Regulations.

- e) ICT Trading Enterprises further submitted that there are some equipment that are regarded as short range that do not operate in the 2.4 – 2.8 MHz and requested that the Authority needs to clarify whether such equipment are also exempted from type approval.



**Authority response**

- f) Further proposed that the expiry date should be indicated on the type approval certificate for certificate holders' control purpose.

**Authority response**

The proposal is noted and the expiry date will be reflected on the certificates going forward.

**3. WAY FORWARD**

The Authority noted the stakeholders' comments, which are cumulatively considered as follows:

- a) Type approval of equipment will be equipment specific and not per person;
- b) Application for a type approval certificate will still require for equipment already type approved, but this will be done via a simplified type approval process;
- c) Regulation 10(8) will be amended as consequential to the object of equipment specific regulation, although it was not proposed in the Amendment notice;
- d) The expiry of the certificate will remain 3 years and application for renewal of a type approval certificate will require a letter confirmation letter from the manufacture that the product is still under support;
- e) Equipment imported for research and development purposes will not require a type approval certificate, however authorization to import such equipment should be granted by the Authority;
- f) Regulation 5(3) will be deleted;
- g) The list of exempted equipment will be updated to include exemptions for equipment proposed by Bits and Bytes Technologies and others identified by the Authority (The updated list is attached hereto as Annexure "A");
- h) Type approval fees will be adjusted in line with inflation and all equipment appearing on the exemption list will be removed.

## ANNEXURE A

## LIST OF TELECOMMUNICATIONS EQUIPMENT EXEMPTED FROM TYPE APPROVAL

EQUIPMENT TYPE	DESCRIPTION	SPECIFIED TECHNOLOGIES	OPERATING FREQUENCY BAND
Broadcasting Receivers:	Smart TV	Receiver-Only (With short range radio technology such as WiFi, Bluetooth & LAN Card/Adapter, with build-in digital set-setbox)	2400 – 2483.5 MHz
Receiver only transmitter RTTE embedded in personal Computers and related equipment's	Laptops/desktop computers/Wireless Mouse/Wireless Keyboards, Cameras	With short range radio technology such as WiFi, Bluetooth	2400 – 2483.5 MHz
IT Networking Equipment	Servers, Switches, Routers, Firewalls, Modem, PABX, Printers, Scanners, Fax Machines, Monitors, Programmable logic Controllers (PLC)	Connects to any Network via a LAN Card/Adapter	None
IT Networking Equipment	LAN card modules	Wired and wireless LAN Module/adapter	2400 – 2483.5 MHz
NFC tag/card readers		With Maximum radiated power limit of 10mW erp	
Toys	Toys and miscellaneous devices	With short range radio technology such as, Bluetooth etc, with Maximum radiated power limit of 10mW erp	2400 – 2483.5 MHz
Medical Implants	Active Medical Implants and their peripherals	With short range radio technology with Maximum radiated power limit of 25µW erp	402 – 405 MHz
Antennas	Passive	Metal rods, parabolic Dishes	
GPS	Receivers	Only receives, without transmitting capability	1563.42-1587.42MHz
Charges	Wireless charger	With short range radio technology	110kHz – 205kHz
Tablets	Non GSM modules	Short range devices connect via WLAN, BT, GPS, NFC	2400 – 2483.5 MHz
RFID readers	Scanners Metal detectors	With short range radio technology	402 – 406 MHz
Wireless Audio Systems	Wireless Microphones	Short range radio technology, with Maximum radiated power limit of 10Mw erp	863 – 865 MHz
	Wireless Microphones and assistive listening devices	Short range radio technology, with Maximum radiated power limit of 2Mw eirp	173.965 – 174.015 MHz
Alarms Systems		Short range radio technology, with Maximum radiated power limit of 10mW	868.6 – 868.7 MHz 869.25 – 869.3 MHz
Office Telephone Headsets	CT2 cordless telephones	Short range radio technology, with Maximum radiated power limit of 10Mw eirp	864.1 – 868.1 MHz
	CTO cordless phones	Short range radio technology, with Maximum radiated power limit of 10Mw eirp	46.61 – 46.97 MHz 49.67 – 49.97 MHz