




KALA RED LIGHT FACE MASK
Model: KALA-01
User Manual

English	05-30
Française	35-60



CONTENTS

WELCOME	05
MEDICAL WARNING	06
CONTRADICTIONS	08
SAFETY PRECAUTIONS	09
KALA RED LIGHT FACE MASK	11
WHAT'S INSIDE?	11
USING THE KALA RED LIGHT FACE MASK	12
USING THE KALA RED LIGHT MASK	13
HOW TO USE	14
CLEANING&STORING	16
TROUBLESHOOTING	17
POTENTIAL ADVERSE EFFECTS	18
TECHNICAL SPECIFICATION	19
WARRANTY	20
SAFETY AND EMC	23
SYMBOLS USED AND DESCRIPTION	29
MANUFACTURER INFORMATION	30





WELCOME TO YOUR NEW KALA REDLIGHT FACE MASK

READY TO IGNITE NATURALLY GLOWING SKIN?

Before using your Mask, please read this User Manual thoroughly to understand correct product usage, review important safety precautions, and learn how to boost the benefits of your session.

Save this manual for future reference.

The Kala Red Light Mask has been carefully engineered precautions should always be observed when using this product. Before using this product, please read and follow this manual carefully.

MEDICAL WARNING

- This device is not for use over the eyes and is not for use on eyelids.
- Do not look directly at the light emitting diodes when using this device.
- Do not use the device if the device or its accessories are damaged because it may be harmful to your health. Ask for technical support if you find any damage in the product
- Only authorized personnel may service this equipment, contact Kala Therapy Inc for servicing or repairing.
- Do not lie or apply pressure upon the LED Device. The device cannot withstand a human weight or other extremely external pressure. Do not place the device under clothing, blankets, sheets or towels.
- Do not apply external pressure to the device or controller, and do not drop the product, since it may damage or weaken the LEDs and other components.
- When charging the battery controller, please disconnect the mask from the battery controller.
- Please connect the controller USB-C port to the adaptor first, then plug the adapter into the power supply.
- Please do not place the KALA RED LIGHT FACE MASK at where it may be fell or pulled into water or other liquid. If the device falls into water or liquid, please unplug immediately.
- Do not use the KALA RED LIGHT FACE MASK while you are bathing or taking a shower.
- Keep the device away from thermal energy.
- Do not attempt to disassemble the KALA'RED LIGHT FACE MASK as this may cause damage to the device.
- If the device overheat, turn it off immediately.
- Keep the device away from flammable liquids and aerosol products or where is filled with oxygen.
- Please avoid using this product when it was stacked with other equipment or near the interfering equipment because it will be harmful to the product and it could cause unexpected treatment result.

MEDICAL WARNING

- Use of accessories other than those specified or provided by the manufacturer of this equipment could result in increased electromagnetic emissions or decreased electromagnetic immunity.
- If face filling plastic surgery (hyaluronic acid and other infusions) has been accepted within one month.It is not recommended to use this product.
- If there is sunburn in the past 2 weeks, it is recommended not to use this product to allow your skin to repair.
- This device is not for use by more than one person.
- The mask should not be used if directly connected to the USB wall adapter, this will cause excessive voltage and current, damage the equipment, and damage the skin.
- Do not use the LED mask while the battery controller is being charged.
- Keep the device out of the reach of children/pets to avoid inhalation or swallowing of small parts.
- Keep the device out of the reach of children/pets to avoid Strangulation of cables.

CONTRADICTIONS

Do not use if any of the following conditions apply:

- Do not use the device if you are under the age of 18.
- Do not use the device if you are photosensitive.
- Do not use the device if the user is pregnant or breastfeeding, or preparing pregnant.
- Do not use the device on infants or children.
- Do not use the device if you are taking photosensitive drugs.
- Do not use the device if you have a medical history of seizures that was triggered by light.
- Do not use the device if you have skin problems such as lupus, erythematosis, photosensitive eczema, albinism, or cancerous lesions as you may cause a severe skin reaction.
- Do not use if you have light induced headaches or migraines. If you are unable to confirm the above, please consult your doctor before using this product.
- Contact your doctor if you have any medical questions regarding use of this device.

This product does not diagnose, treat or cure any disease, nor is it implied or inferred that to, cure or treat any disease. In the rare event that you experience pain and/or discomfort while using this product discontinue use.

SAFETY PRECAUTIONS

Do not use this product if you have any known skin conditions or are currently taking any medications that can cause photosensitivity.

- Photosensitivity is a common side effect of various medications, Consult your doctor immediately if you are on any medications.
- Some herbal remedies can cause photosensitivity. Some common examples are deodorants, topicals known to reduce skin's melanin, etc. Ask your doctor if any supplements that you take may cause photosensitivity.
- Do not use this product if it is incapacitated or damaged in any way.
- Do not use this product next to an area where the product can come into contact with water easily.
- Do not use this product in any other way that is not listed in this instruction manual including the duration of use. This product has not been tested for other usages than the one listed in this manual and the risks of any such usages is unknown.
- Please follow the recommended treatment time for treatment and do not over treat.
- TURN OFF and REMOVE the product immediately if your skin feels hot or your skin feels uncomfortable.
- Do not use this product on infants. Children and those with disabilities must be closely supervised when using the product.
- Do not use this product without removing any make-up, creams, lotions, and SPF before the treatment.
- Do not use this product if you are allergic to silicone, polyester, nylon and lycra, which are used to manufacture the product.
- Do not use the product in charging mode.
- Do not use the device to the part of thyroid gland in the neck area, as it may stimulate the growth of thyroid gland.

SAFETY PRECAUTIONS

- Do not use the KALA RED LIGHT FACE MASK in the environment where other devices emit electromagnetic energy in an unshielded manner.
- Medical electrical equipment can be affected by the portable or mobile communication equipment with radio frequency.
- Do not scratch or damage the light-emitting surface.
- Do not point the light output of this device toward the eyes of others.
- Do not subject the package or device to shocks, such as dropping it onto the floor. Because it may change the performance of the device, like result in hazardous radiation exposure
- Store the device according to the suggestion listed in this manual.
- Do not use or store this device near hot surfaces or in direct sunlight.
- No modifications are allowed to this device.
- Unless instructed by a doctor, do not extend treatment time to enhance effectiveness.

KALA RED LIGHT FACE MASK

Kala Red Light Face Mask is an at home wearable LED phototherapy Face Mask with three proven wavelengths of light 630 nm (Red Light), 830 nm (near Infra-Red Light) and 465 nm (Blue Light).

The KALA RED LIGHT FACE MASK is a home wearable light-emitting diode phototherapy device whose purpose is to produce an even, cool, narrow band of light for the treatment of full-face wrinkles, or mild to moderate acne vulgaris of the face.

This mask has been designed to perfectly fit your face so that the maximum amount of light hits the targeted skin. The extra strap on the top ensures the mask is perfectly in place during the entire session and no light is wasted.

WHAT'S INSIDE?

1. Kala Red Light Face Mask
2. Controller
3. Power supply and country specific adapters
4. USB C to USB A connector
5. Head straps
6. Carry bag
7. User manual
8. A Pair of Goggles

USING THE Kala Red Light Face Mask

The Kala Red Light Face Mask is an over the counter device that is indicated for the treatment of full face wrinkles and mild to moderate acne.

- The Face Mask combines Red (630 nm), near Infra-Red Light (830 nm) and Blue Light (465 nm). Harnessed at the perfect measurement to rejuvenate the skin, these three wavelengths work below the skin's surface to stimulate the natural rejuvenation process, creating a complexion that is visibly glowing and noticeably healthier looking.
- This mask is made of soft silicone material that is flexible and can fit to all facial structures.
- Silicone used in this mask is made of medical-grade soft silicone that is better for your skin than the stiff, hard plastic mask.
- Pre-Programmed modes of 10 and 20 minutes let you choose the desired treatment duration so that you can just sit back and relax.
- A pair of goggles to be used during the treatment for anyone whose eyes are sensitive to red lights.
- Insert micro USB cable into the Controller, insert the opposite USB end into the appropriate power supply plug-type for your area. Plug into the wall outlet.
- 1 Green light on Controller will blink while charging. The green light will stay illuminated once fully charged (approx. 2-3hrs)." Remove the controller from the charging unit once completely charged.

Note: the Face Silicone units should NOT be plugged in while the controller is charging. The Face Mask will not power on if plugged in while charging and this can cause damage to the unit over time.

USING THE KALA RED LIGHT MASK

SENSITIZATION TEST

Before you carry out the first treatment on your face, we recommend trying out the sensitization test. Complete the following steps to conduct the test.

- Pick one of the inner arms and place the mask on the desired area.
 - Switch the controller ON and allow the mask to run for 10 or 20 minutes treatment program.
 - If your skin feels hot or uncomfortable STOP using the Face Mask immediately.
 - Initially your skin might feel red. Wait for 24 hours after the treatment.
- If the skin on your inner arm still appears red or itchy, this product might not be suitable for you. You can return the Face Mask by contacting the Kala Therapy customer service team at kala@kalaredlight.com



HOW TO USE

- Make sure your mask is charged and connect the cable from the mask to the controller.
- Start with a freshly cleansed face. You'll want to remove any sunscreen, makeup and outside pollution before using the Kala Red Light Face Mask.
- Secure the Kala Red Light Face Mask to your face. Use the velcro straps to secure a snug, but comfortable fit.
 - The mask can be secured from three directions.
 - Thread the straps through the inlet holes on either side of the mask and the top.
 - Loop the straps around your head and make any adjustments
- Put on your goggles.
- Press and hold the POWER button. Wait for a few seconds and the face mask will be illuminated.
- Select the desired pre-programmed time of 10 or 20 minutes.
- Select the time by pressing the POWER button:
 - Press once (for 10 minutes)
 - Press twice (for 20 minutes)
- The face mask will automatically switch off after a 10 minute treatment time if no option is selected.
- You can turn the face mask off anytime by pressing the POWER button on the controller.
- Take off the mask and goggles from your face.

Note:

1. The recommended treatment protocol is 10 or 20 minutes at a time, 1-2 times a week at first, 3-5 times a week thereafter.
2. Do not use any makeup and cosmetics that contain chemical or acidic components which may affect light output and lead to a decreased or in-effective treatment.
3. During the treatment, please use the straps to fix the mask to the face properly.

PRESS AND HOLD FOR TWO SECONDS TO ACTIVATE OR DEACTIVATE THE MASK

TAP ONCE FOR BLUE LIGHT, TAP AGAIN FOR RED LIGHT

QUICKLY TAP TWICE FOR A 10-MINUTE SESSION OR TAP AGAIN TWICE FOR A 20-MINUTE SESSION



GREEN LIGHT WILL BLINK WHEN CHARGING. IT WILL REMAIN ILLUMINATED WHEN FULLY CHARGED

TREATMENT LEVEL LIGHT WILL ILLUMINATE BASED ON TIME CHOSEN

CLEANING & STORING

CLEANING

The mask is reusable, and they need to be cleaned after each use. The cleaning methods of the mask as instructed as following:

1. Before cleaning, please turn off the device and unplug the power.
2. Use a clean cotton cloth moistened with water to clean the enclosure and ensure that no liquid enters the interior of the device. Stubborn stains can be removed by wiping gently with 70% alcohol.
3. Visually check the cleanliness of the device and make sure there are no dust, impurities, or any other pollutant, otherwise, please repeat the above step again.
4. Drying: please dry the device in the air naturally.

Note: Never use abrasive cleaning agents, thinner for cleaning, and never immerse the device in water or other cleaning liquids to avoid damage to the device.

WARNING:

1. DO NOT immerse the product in liquid.
2. DO NOT dismantle the housing of the unit by yourself.
3. DO NOT drop the device or apply external pressure to the unit since this may damage or weaken the LEDs and other components.
4. Once the cord or device is damaged or does not operate normally, contact the distributor.

This device only is serviced, repaired, and disassembled by SHENZHEN KAIYAN MEDICAL EQUIPMENT CO., LTD All returned units to the manufacturer for repair, including Warranty repair and Out-Of-Warranty repair, please do not disassemble or repair the returned units by yourself.

STORING:

KALA RED LIGHT FACE MASK is advised to be stored in the original package.

1. Your mask should always be stored FLAT, the flexible technology is designed for flexible comfort on the face, not for storage.
2. Store in an environment with a temperature of -5~55°C, a humidity of 20-85%RH, and an atmospheric pressure of 700hPa-1060hPa.

TROUBLESHOOTING

If Face Mask doesn't turn on

Please allow the battery to be completely charged for 6-8 hours.

- If even after charging for the recommended time, the Face Mask doesn't turn on reach out to kala@kalaredlight.com to replace the battery or the unit.
- Make sure the mask is connected to the controller which has the inbuilt rechargeable battery.
- Make sure the battery is not plugged to the outlet on the wall. The mask won't work when it is plugged into an outlet on the wall.

If Face Mask doesn't turn off after the pre-programmed time of 10 or 20 minutes:

- Face Mask has a fault. Reach out to kala@kalaredlight.com for replacement.

If LED on Face Mask blinks during the treatment:

- Face Mask has a fault. Reach out to kala@kalaredlight.com for replacement.



POTENTIAL ADVERSE REACTIONS



If you have any adverse reaction, such as discomfort, skin discoloration, skin irritation or other concerns, from using this Device, stop using it immediately and consult your health professional. Skin irritation, bruising, contact burns, dizziness, nausea, and headaches are rare but possible side effects. Immediately stop using the device and contact your healthcare provider. Skin irritation and burns beneath the electrodes have been reported with the use of other powered muscle stimulators. If you experience skin irritation or burning, discontinue use. If you experience a persistent headache and/or other persistent painful sensation during use of this device, stop using the device and consult with your physician.

TECHNICAL SPECIFICATION

LED wavelengths	630nm (Red), 830nm (Infra-Red) and 465nm (Blue)
Max. output optical power density	Red: 20mW/cm ² , Infra-Red: 10mW/cm ² , Blue: 10mW/cm ² ,
LEDs	66 Triple-core LEDs
Operating temperature	0C to 40C 32 F to 104 F
Storing and transport temperature	-5C to 55C 23 F to 131 F
Operating humidity	30% to 95% without condensation
Storage and Transport Humidity	20% to 85% without condensation
Charging supply	5V \pm 2A
Charging port	USB-C
Charging cable	USB-C to USB-A
Charging cable length	1 meter /3.28 feet
Charging adapter power output	2A
Battery	3.7Vdc 2600mAh Lithium battery
Service life (include main unit and accessories)	2 years
Risk group according IEC 62471: 2006	Exempt
Charging time	240 minutes /4 hours
Treatment time	10-20 minutes (optional)
Dimensions of the device	298mm x 216mm x 5.1 mm
Weight of the device	348g(includes controllers)

WARRANTY

Kala Red Light Face Mask One (1) Year Limited Warranty

Updated April 05, 2024

IMPORTANT: BY USING YOUR KALA RED LIGHT FACE MASK YOU ARE AGREEING TO BE BOUND BY THE TERMS OF THE KALA THERAPY INC. (1) YEAR LIMITED WARRANTY ("WARRANTY") AS SET OUT BELOW. DO NOT USE YOUR PRODUCT UNTIL YOU HAVE READ THE TERMS OF THE WARRANTY. IF YOU DO NOT AGREE TO THE TERMS OF THE WARRANTY, DO NOT USE THE PRODUCT AND RETURN IT WITHIN THE RETURN PERIOD STATED IN KALA THERAPY INC. RETURN POLICY FOR A REFUND.

WHAT WILL KALA THERAPY DO IN THE EVENT THE WARRANTY IS BREACHED?

You must contact Kala Red Light Mask via e-mail at kala@kalaredlight.com in order to seek warranty service. A Kala Therapy representative will help determine whether your Kala Red Light Mask requires service and, if it does, will inform you whether and how Kala Therapy will provide it.

WARRANTY SERVICE OPTIONS

Kala Therapy will provide warranty service through mail-in service. If Kala Therapy determines that your Kala Red Light Mask is eligible for mail-in service, Kala Therapy will send you prepaid waybills and instructions on how to properly pack and address your Kala Red Light Mask, so that you may ship your Kala Red Light Mask to Kala Therapy. Instructions will be sent to you via email. Once service is complete, Kala Therapy will return the product to you. Kala Therapy will pay for shipping to and from your location if all instructions regarding the method of packaging and shipping the Kala Red Light Mask are followed.

Kala Therapy reserves the right to change the method by which Kala Therapy may provide warranty service to you, and your Kala Red Light Mask eligibility to receive a particular method of service. Service will be limited to the options available in the country where service is requested.

Service options, parts availability and response times may vary according to country. You may be responsible for shipping and handling charges if the Kala Red Light Mask cannot be serviced in the country it is in. If you seek service in a country that is not the original country of purchase, you will.

WARRANTY

All Kala Therapy-branded consumer products including Kala Red Light Mask, are designed and intended only for home use. Kala Therapy-branded consumer products are not intended to be used in any commercial or institutional setting or application. These include but are not limited to: commercial gyms, commercial spas, wellness centers, chiropractic offices, physician offices, any other medical facilities, churches, police/fire departments, government agencies, apartment/retirement/condominium communities, hotels, cruise ships, schools or universities. Using any Kala Therapy-branded product in a commercial or institutional setting will void the product's warranty and may open the owner/operator of the setting to liability.

WHAT WILL KALA THERAPY DO IN THE EVENT THE WARRANTY IS BREACHED?

If during the Warranty Period you submit a claim to Kala Therapy in accordance with this warranty, Kala Therapy will, at its option:

- Repair the Kala Red Light Mask using new or previously used parts that are equivalent to new in performance and reliability,
- Replace the Controller,
- Replace the Kala Red Light Mask with the same model (or with your consent a product that has similar functionality) formed from new and/or previously used parts that are equivalent to new in performance and reliability, or exchange the Kala Red Light Mask for a new item.

WARRANTY

This Warranty does not apply:

- (a) to cosmetic damage, including. cords or controllers, unless failure has occurred due to a defect in materials or workmanship;
- (b) to damage caused by accident, abuse, misuse, fire, liquid contact, earthquake or other external cause;
- (c) to damage caused by operating the Kala Red Light Mask outside Kala' Therapy's published guidelines;
- (d) to damage caused by service performed by anyone who is not a representative of Kala Therapy's;
- (e) to a Kala Red Light Mask that has been modified to alter functionality or capability without the written permission of Kala Therapy;
- (f) to defects caused by authorized user of the product (eg. by presenting proof of purchase) normal wear and tear or otherwise due to the normal aging of the receives information from relevant public authorities that the product has been stolen, and you cannot prove in any way that you are the authorized user of the product (eg. by presenting proof of purchase).

YOUR RESPONSIBILITIES

Before receiving warranty service, Kala Therapy or its agents may require that you furnish proof of purchase details, respond to questions designed to assist with diagnosing potential issues and follow Kala Therapy's procedures for obtaining warranty service.

Following warranty service your Kala Red Light Mask or a replacement item will be returned to you, subject to applicable product model updates and availability.

Important: Do not attempt to repair the Kala Red Light Mask, the Controller or any other aspect of the Kala Therapy product. Attempting to repair the Kala Therapy product is dangerous and may cause damage that is not covered by this Warranty. Only Kala Therapy should perform service on the product.

SAFETY AND EMC

This device complies with Medical Electrical Safety Standards:

- Electrical Safety of Medical devices IEC 60601-1, IEC 60601-1-11, IEC 60601-2-57, IEC 62471
- Biological Safety of Medical Devices ISO 10993-5, ISO 10993-10, ISO 10993-23

The Kala Red Light Mask also complies with Medical EMC Standard (IEC 60601-1-2).

Guidance and manufacturer's declaration – electromagnetic emissions	
This equipment is intended for use in the electromagnetic environments specified below, and the purchasers or users shall ensure that it is used in these electromagnetic environments.	
Emissions	Compliance
RF emissions (Radiated) CISPR 11	Group 1 Class B
RF emissions (Conducted) CISPR 11	Group 1 Class B
Harmonic emissions IEC 61000-3-2	Not Applicable
Voltage fluctuations/- flicker emissions IEC 61000-3-3	Complies

Guidance and manufacturer's declaration – electromagnetic immunity			
The device is intended for use in the electromagnetic environment specified below. The customer or the user of the device should assure that It is used in such an environment.			
Immunity test	IEC 60601 test level	Compliance level	Environments
Electrostatic discharge (ESD) IEC 61000-4-2	±8 kV contact ±2 kV, ±4 kV, ±8 kV, ±15 kV air	±8 kV contact ±2 kV, ±4 kV, ±8 kV, ±15 kV air	HOME HEALTHCARE environment
Electrical fast transient/burst (EFT) IEC 61000-4-4	±2 kV for power supply lines	±2 kV for power supply lines	HOME HEALTHCARE environment
Surge IEC 61000-4-5	± 0.5kV, ± 1 kV line(s) to lines	± 0.5kV, ± 1 kV line(s) to lines	HOME HEALTHCARE environment
Voltage dips, short interruptions and Voltage variations on power supply input lines IEC 61000-4-11	0% UT, 0.5 cycle at 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315° 0% UT, 1 cycle at 0° 70% UT, 25 / 30 cycle at 0° 70% UT, 25 / 30 cycle at 0° 0% UT, 250 / 300 cycle	0% UT, 0.5 cycle at 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315° 0% UT, 1 cycle at 0° 70% UT, 25 / 30 cycle at 0° 70% UT, 25 / 30 cycle at 0° 0% UT, 250 / 300 cycle	HOME HEALTHCARE environment

Power frequency (50/60 Hz) magnetic field IEC 61000-4-8	30 A/m	30 A/m	HOME HEALTHCARE environment
Conducted RF IEC 61000-4-6	3 Vrms 0.15 MHz to 80MHz 6 Vrms in ISM bands between 0.15 MHz and 80MHz	3 Vrms 0.15 MHz to 80MHz 6 Vrms in ISM bands between 0.15 MHz and 80MHz	HOME HEALTHCARE environment
Radiated RF IEC 61000-4-3	3 Vrms 80 MHz to 2.7GHz 80% AM at 1KHz	3 Vrms 80 MHz to 2.7GHz 80% AM at 1KHz	HOME HEALTHCARE environment
Proximity magnetic fields IEC 61000-4-39	30 kHz / CW / 8A/m 134.2 kHz / Pulse modulation 2.1KHz / 65A/m 13.56MHz / Pulse modulation 50 kHz / 7.5A/m	30 kHz / CW / 8A/m 134.2 kHz / Pulse modulation 2.1KHz / 65A/m 13.56MHz / Pulse modulation 50 kHz / 7.5A/m	HOME HEALTHCARE environment

NOTE

1.UT is the a.c. mains voltage prior to application of the test level; 25 / 30 and 250 / 300 cycle means 25 / 250 for 50 Hz system and 30 / 300 for 60Hz system.

2.The ISM (industrial, scientific and medical) bands between 0,15 MHz and 80 MHz are 6,765 MHz to 6,795 MHz; 13,553 MHz to 13,567 MHz; 26,957 MHz to 27,283 MHz; and 40,66 MHz to 40,70 MHz. The amateur radio bands between 0,15 MHz and 80 MHz are 2,1,8 MHz to 2,0 MHz, 3,5 MHz to 4,0 MHz, 5,3 MHz to 5,4 MHz, 7 MHz to 7,3 MHz, 10,1 MHz to 10,15 MHz, 14 MHz to 14,2 MHz, 18,07 MHz to 18,17 MHz, 21,0 MHz to 21,4 MHz, 24,89 MHz to 24,99 MHz, 28,0 MHz to 29,7 MHz and 50,0 MHz to 54,0 MHz.

3.Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radio, AM and FM radio broadcast, and TV broadcast cannot, theoretically, be predicted with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, consider conducting an electromagnetic site survey. If the measured field strength in the location the system is used exceeds the applicable RF compliance level listed in this table, observe the system to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as reorienting or relocating the system.

4.At 80 MHz and 800 MHz, the higher frequency range applies.

5.These guidelines may not apply in all situations. Electromagnetic propagation is affected by the reflection from structures, objects, and people.













Portable and mobile RF communications equipment should be used no closer to any part of the device, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter.

Test specifications for ENCLOSURE PORT IMMUNITY to RF wireless communications equipment

Test frequency (MHz)	Band a) (MHz)	Service a)	Modulation b)	Maximum power (W)	Distance (m)	IMMUNITY TEST LEVEL (V/m)
385	380-390	TETRA 400	Pulse modulation b) 18Hz	1.8	0.3	27
450	430-470	GMRS 460, FRS 460	FM c) ± 5 kHz deviation 1 kHz sine	2	0.3	28
710	704-787	LTE Band 13,17	Pulse modulation b) 217Hz	0.2	0.3	9
745						
780						
810	800-960	GSM 800/900,	Pulse modulation	2	0.3	28
870						

930		TETRA 800, iDEN 820, CDMA 850, LTE Band 5	b) 18Hz			
1720	1700-1900	GSM 1800; CDMA 1900; GSM 1900; DECT; LTE Band 1, 3, 4, 25; UMTS	Pulse modula- tion b) 217Hz	2	0.3	28
1845						
1970						
2450	2400-2570	Bluetooth, WLAN, 802.11 b/g/n, RFID 2450, LTE Band 7	Pulse modula- tion b) 217H	2	0.3	28
5240	5100-5800	WLAN 802.11a/n	Pulse modu- lation b) 217Hz	0.2	0.3	9
5500						
5785						
NOTE: If necessary to achieve the IMMUNITY TEST LEVEL, the distance between the transmitting antenna and the ME EQUIPMENT or ME SYSTEM may be reduced to 1 m. The 1 m test distance is permitted by IEC 61000-4-3.						
a)For some services, only the uplink frequencies are included. b)The carrier shall be modulated using a 50% pulse duty cycle square wave signal. As an alternative to FM modulation, 50% pulse modulation at 18 Hz may be used because while it does not represent actual modulation, it would be worst case.						

SYMBOLS USED AND DESCRIPTION

Symbol	Description
	Manufacturer
	Date of manufacture
	The symbol indicates that the product should not be discarded as unsorted waste but must be sent to separate collection facilities for recovery and recycling.
	CONSULT INSTRUCTIONS FOR USE.
	Protected against solid foreign objects of 12,5 mm Ø and greater; Protection against vertically falling water drops when ENCLOSURE tilted up to 15°.
	Type BF Applied Part
	Batch code
	Serial number
	Temperature limit
	Humidity limitation
	Keep dry
	Keep away from sunlight