



RF Exposure Requirements

1 General Information

Client Information

Applicant : Guangdong Deerma HealthTechnology Co., Ltd.

Address of applicant : No.9, Chuangsheng Road, Xincun Village, Beijiao Town, Shunde District, Foshan City, Guangdong Province, China.

Manufacturer : Guangdong Deerma HealthTechnology Co., Ltd.

Address of manufacturer : No.9, Chuangsheng Road, Xincun Village, Beijiao Town, Shunde District, Foshan City, Guangdong Province, China.

General Description of E.U.T

FCC ID : 2BUPTPPM2516

Product Name : Philips Eye Massager

Model No. : PPM2516, PPM2515

Model Description : Two models are identical except with cooling gel or not. Model PPM2516 has cooling gel while PPM2515 does not. Each model has two kinds of outlook color, black and grey. Therefore the RF exposure evaluation was performed on model PPM2516.

Rated Voltage : Input: 5VDC, 1A for charge
Battery: 3.7V, 4.05W

Technical Characteristics of EUT

Bluetooth Version : Bluetooth BR+EDR

Frequency Range : 2402-2480MHz

Max. RF Output Power : 3.07dBm (Conducted)

Modulation : GFSK, $\pi/4$ QPSK, 8DPSK

Data Rate : 1Mbps, 2Mbps, 3Mbps

Quantity of Channels : 79

Channel Separation : 1MHz

Type of Antenna : PCB Antenna

Antenna Gain* : -0.68dBi

** The antenna gain information is provided by the customer. The laboratory is not responsible for the accuracy of the antenna gain information.*



2 Applicable Standard

According to the KDB 447498 D01 v07 and part 2.1093:

For 100 MHz to 6 GHz and test separation distances ≤ 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

- $f(\text{GHz})$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

3 Calculation Result

Frequency (MHz)	Max. Output power (dBm)	Max. Tune-up power		Min. Separation Distance (mm)	Calculation Result	Limit
		(dBm)	(mW)			
2402-2480	3.07	4	2.5119	5	0.7911	3

The exclusion thresholds is $0.7911 < 3$, so the transmitter complies with the RF exposure requirements and the SAR is not required.

=====End of Report=====