RF EXPOSURE EVALUATION
FCC ID: 2AG2K11

Product Name	:	Lovehoney Travel Thrusting Warming Sex Machine
Model Name	:	LH-85785
Operating frequency	:	433.92MHz
Numbers of Channel	:	1 channels For SRD
Antenna Type	:	PCB Antenna
Antenna Gain	:	0 dBi
Type of Modulation	:	ASK
Power supply	:	ALKALINE Battery : DC 12V 23A
Hardware Version	:	N/A
Software Version	:	N/A

Standard Requirement

According to § 15.247(i) and § 1.1307b(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess of the Commission's guidelines. See KDB 447498 D01 General RF Exposure Guidance v06, section 4. 3. 1.

The 1-g and 10-g SAR test exclusion thresholds for 100MHz to 6GHz at test separation distances ≤ 50mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)]*[√f(GHz)] ≤3.0 for 1-g SAR and ≤7.5 for 10-g SAR extremity SAR, where

- f(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.

The test exclusions are applicable only when the minimum test separation distance is ≤ 50mm and for transmission frequencies between 100MHz and 6GHz. When the minimum test separation distance is <5mm, a distance of 5mm is applied to determine SAR test exclusion. Routine SAR evaluation refers to that specifically required by § 2.1093, using measurements or computer simulation. When routine SAR evaluation is not required, portable transmitters with output power greater than the applicable low threshold require SAR evaluation to quality for TCB approval.

Max Output Power

Freq. (MHz)	Field strength(max)(dBuV/m)	ERP (max) (dBm)	Turn-up Power (dB)	Max tune up power (dBm)[P]
433.92	83.02	-12.28	-12.0±0.5	-11.5

Note:
E = EIRP − 20 log d + 104.8. where E is the electric field strength in dBµV/m, EIRP is the equivalent isotropically radiated power in dBm,d is the specified measurement distance in m.
where D=3.EIRP(dBm) = E(dBµV/m) − 95.3 .

Evaluation Result

Channel (MHz)	Max tune up power (dBm)	Max Tune Up Power (mW)	Distance(mm)	Calculation results	Limit	Modulation Mode
433.92	-11.5	0.070795	5	0.009327	3	ASK

According to KDB 447498, no stand-alone required for BT antenna, and no simultaneous SAR measurement is required.

Signature

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