RF Exposure Evaluation

FCC ID: 2AAZMHFD-890

1. Client Information

Applicant	:	EAST 2 WEST, LLC
Address	:	1432 S SALTAIR AVE LOS ANGELES, CA 90025, UNITED STATES
Manufacturer	:	OLENS TECHNOLOGY
Address	:	679 AVENIDA DE DIAMANTE ARROYO GRANDE, CA93420, UNITED STATES

2. General Description of EUT

EUT Name	:	Bluetooth Home Ringer	
Models No.	:	HFD-890	
Brand Name	:	Renny HOME	
Model Difference	:	N/A	
Product Description	:	Operation Frequency: Bluetooth:2402~2480MHz	
		Number of Channel:	BLE:40 Channels
		Max Peak Output Power:	GFSK:-4.008 dBm
		Antenna Gain:	2 dBi Dipole Antenna
		Modulation Type:	1Mbps(GFSK)
Power Supply	:	DC power by USB cable form Host System DC power by Li-ion battery	
Power Rating	:	DC 5V by USB Cable from PC system. DC 3.7V by 800 mAh Li-ion Battery.	
Connecting I/O Port(S)	:	Please refer to the User's Manual	

Note:

More test information about the EUT please refer the RF Test Report.

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SAR Test Exclusion Calculations

1. FCC: According to KDB 447498 D01 Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies v05r02.

(1) Clause 4.3: General SAR test reduction and exclusion guidance

Sub clause 4.31: Standalone SAR test exclusion considerations

1) The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6GHz at test separation distance≤5 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation, mm)]*[$\sqrt{f_{(GHz)}}$] ≤3.0 for 1-g SAR

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation, mm)]*[$\sqrt{f_{(GHz)}}$] ≤7.5.0 for 10-g SAR

2.
Calculation:

Test separation: 5mm						
BLE Mode (GFSK)						
Frequency (GHz)	Conducted Power (dBm)	Ant Gain (dBi)	Turn-up Power Tolerance (dB)	Max power of tune up tolerance (mw)	Calculation Value	Threshold Value
2.402	-5.140	2.0	±1	0.385	0.119	**3.0**
2.442	-4.709	2.0	±1	0.426	0.133	**3.0**
2.480	-4.008	2.0	±1	0.500	0.158	**3.0**

So standalone SAR measurements are not required.