Website: www.cblueasia.com
Tel: +86-755-23059481
Email: marketing@cblueasia.com

FCC RF Exposure

Applicant	:	Dongguan Liesheng Electronic Co., Ltd.
Address	:	Room 10073, No. 156, Humen Avenue, Humen Town, Dongguan City, Guangdong Province, China
Product Name	:	HAYLOU S40 Wireless Headphones
Brand Mark	:	HAYLOU
Model	:	HD006
Series model	:	N/A
FCC ID	:	2AMQ6-HD006
Report Number	:	BLA-EMC-202505-A1803
Date of Receipt	:	May 07, 2025
Date of Test	:	May 07, 2025 to May 20, 2025
Test Standard	:	47 CFR Part 1.1307 47 CFR Part 2.1093 KDB447498D01 General RF Exposure Guidance v06
Test Result	:	Pass

Compiled by: Mark Chen **Review by:** Xavier **Approved by:** Steve Zheng

Issued Date: May 21, 2025

BlueAsia of Technical Services(Shenzhen) Co.,Ltd.

BlueAsia of Technical Services(Shenzhen) Co.,Ltd.

Address: Building C, No. 107, Shihuan Road, Shiyan Sub-District, Baoan District, Shenzhen, Guangdong Province, China

Table of Contents

Revise Record

Version No.	Date	Description
01	May 21, 2025	Original

1 General information

1.1 General information

Applicant	Dongguan Liesheng Electronic Co., Ltd.
Address	Room 10073, No. 156, Humen Avenue, Humen Town, Dongguan City, Guangdong Province,China
Manufacturer	Dongguan Liesheng Electronic Co., Ltd.
Address	Room 10073, No. 156, Humen Avenue, Humen Town, Dongguan City, Guangdong Province,China
Factory	Hunan Liesheng Electronic Co., Ltd.
Address	12A Building 1F,4F,3F,10B Building,10A Building 1F, 2F,9A Building 3F，Chenzhou Strategic Emerging Industrial Park, East Of Linyi Avenue, Chenzhou High-Tech Industrial Park, Bailutang Town, Suxian District, Chenzhou City, HunanProvince,423000

1.2 General description of EUT

Product name	HAYLOU S40 Wireless Headphones
Model no.	HD006
Operation Frequency:	BT/BLE:2402MHz-2480MHz
Modulation Type:	BLE:GFSK BT:GFSK, π/4DQPSK, 8DPSK
Number of Channels:	BLE:40 BT:79
Antenna Type:	PCB Antenna
Product Type:	Portable
Antenna Gain:	1.75dBi(Provided by customer)
Power supply:	Battery DC 3.7V
Test Voltage:	DC 3.7V
Hardware Version	N/A
Software Version	N/A

2 RF Exposure Compliance Requirement

2.1 Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06

Standalone SAR test exclusion considerations

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

2.2 Limits

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances

≤ 50 mm 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 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 calculation17

The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and

for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation

distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion

2.3 Result

1) For BLE 1M(Worst)

Measurement Data:

GFSK mode				
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power	
			(dBm)	(mW)
Lowest(2402MHz)	7.17	7.0±0.5	7.5	5.623
Middle(2442MHz)	7.134	7.0±0.5	7.5	5.623
Highest(2480MHz)	7.207	7.0±0.5	7.5	5.623

2) For BT Classic(Worst)

Measurement Data:

8DPSK mode				
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power	
			(dBm)	(mW)
Lowest(2402MHz)	0.53	0.5±0.5	1.0	1.259
Middle(2441MHz)	0.282	0.5±0.5	1.0	1.259
Highest(2480MHz)	0.084	0.5±0.5	1.0	1.259

Separation Distance: 0.5 (cm)

Worst case: BLE 1M						
Channel	Maximum Peak Conducted Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power		Calculated value	Exclusion threshold
			(dBm)	(mW)		
Lowest (2402MHz)	7.17	7.0±0.5	7.5	5.623	1.771	3.0
Middle (2442MHz)	7.134	7.0±0.5	7.5	5.623	1.771	
Highest (2480MHz)	7.207	7.0±0.5	7.5	5.623	1.771	
Conclusion: the calculated value ≤3.0, SAR is exempted.						

Comply with RF exposure exemption limit.

----END OF REPORT----