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Report Template Version: V04
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TEST REPORT

Report No. :	CQASZ20210500703E-02
Applicant:	Shenzhen heng shang pin technology co. , LTD
Address of Applicant:	4004 Hao Wuhedadao Bantianjiedao Longgangqu, Shenzhen
Equipment Under Test (EUT):	
Product:	Bluetooth Headset
Model No.:	HSP-B6, HSP-B6-PRO, HSP-B6-Plus, HSP-B8, HSP-B8-PRO, HSP-B8-Plus, HSP-B10, HSP-B10-PRO, HSP-B10-Plus
Test Model No.:	HSP-B6
Brand Name:	HonShoop
FCC ID:	2ALXX-B6
Standards:	47 CFR Part 1.1307 47 CFR Part 2.1093 KDB447498D01 General RF Exposure Guidance v06
Date of Receipt:	2021-4-20
Date of Test:	2021-4-20 to 2021-5-14
Date of Issue:	2021-5-25
Test Result :	**PASS***

***In the configuration tested, the EUT complied with the standards specified above**

Tested By: lewis zhou

(Lewis Zhou)

Reviewed By: Jun Li

(Jun Li)

Approved By: Sheek.Luo

(Sheek Luo)

SHENZHEN HUAXIA TESTING TECHNOLOGY CO.,LTD APPROVED

* In the configuration tested, the EUT complied with the standards specified above.

1 Version

Revision History Of Report

Report No.	Version	Description	Issue Date
CQASZ20210500703E-02	Rev.01	Initial report	2021-5-25

2 Contents

3 General Information

3.1 Client Information

Applicant:	Shenzhen heng shang pin technology co. , LTD
Address of Applicant:	4004 Hao Wuhedadao Bantianjiedao Longgangqu, Shenzhen
Manufacturer:	Shenzhen heng shang pin technology co. , LTD
Address of Manufacturer:	4004 Hao Wuhedadao Bantianjiedao Longgangqu, Shenzhen
Factory:	Shenzhen Zhongchuan Precision Mould Co., LTD
Address of Factory:	(South Face) First Floor, Building#1, cl Distrist, Luoshan Industrial Zone, Shanxia Community, Pinghu Town, Longgang distrist, Shenzhen, China

3.2 General Description of EUT

Product Name:	Bluetooth Headset
Model No.:	HSP-B6, HSP-B6-PRO, HSP-B6-Plus, HSP-B8, HSP-B8-PRO, HSP-B8-Plus, HSP-B10, HSP-B10-PRO. HSP-B10-Plus
Test Model No.:	HSP-B6
Trade Mark:	HonShoop
Hardware Version:	V1.3
Software Version:	V1.6
Operation Frequency:	2402MHz~2480MHz
Bluetooth Version:	V5.0
Modulation Technique:	Frequency Hopping Spread Spectrum(FHSS)
Modulation Type:	GFSK, π/4DQPSK, 8DPSK
Transfer Rate:	1Mbps/2Mbps/3Mbps
Number of Channel:	79
Hopping Channel Type:	Adaptive Frequency Hopping systems
Product Type:	☐ Mobile ☒ Portable ☐ Fix Location
Antenna Type:	Chip antenna
Antenna Gain:	1.72dBi
Power Supply:	Li-ion battery: DC 3.7V, 60mAh, Charge by DC 5.0V

Note:

Model No.:HSP-B6, HSP-B6-PRO, HSP-B6-Plus, HSP-B8, HSP-B8-PRO, HSP-B8-Plus, HSP-B10, HSP-B10-PRO. HSP-B10-Plus

Only the model HSP-B6 was tested, since the electrical circuit design, layout, components used and internal wiring were identical for the above models, with difference being color of appearance and model name.

4 SAR Evaluation

4.1 RF Exposure Compliance Requirement

4.1.1 Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06

4.3.1. 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.

4.1.2 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 calculation[17]
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

4.1.3 EUT RF Exposure

Measurement Data

Test mode : GFSK						
Channel	Peak Output Power (dBm)	Antenna gain (dBi)	E.i.r.p. (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power (dBm)	(mW)
Lowest (2402MHz)	-0.610	1.72	1.11	1.5±0.5	2.0	1.585
Middle (2441MHz)	-0.060	1.72	1.66	1.5±0.5	2.0	1.585
Highest (2480MHz)	-0.290	1.72	1.43	1.5±0.5	2.0	1.585

Test mode : π/4DQPSK

Channel	Peak Output Power (dBm)	Antenna gain (dBi)	E.i.r.p.	Tune up tolerance	Maximum tune-up Power	
			(dBm)	(mW)	(dBm)	(mW)
Lowest (2402MHz)	1.220	1.72	2.94	3.1±0.5	3.60	2.291
Middle (2441MHz)	1.840	1.72	3.56	3.1±0.5	3.60	2.291
Highest (2480MHz)	1.570	1.72	3.29	3.1±0.5	3.60	2.291

Test mode : 8DPSK						
Channel	Peak Output Power (dBm)	Antenna gain (dBi)	E.i.r.p	Tune up tolerance	Maximum tune-up Power	
			(dBm)	(dBm)	(dBm)	(mW)
Lowest (2402MHz)	-0.580	1.72	1.14	2.6±1.5	4.10	2.571
Middle (2441MHz)	2.350	1.72	4.07	2.6±1.5	4.10	2.571
Highest (2480MHz)	-0.500	1.72	1.22	2.6±1.5	4.10	2.571

Worst case: 8DPSK mode						
Channel	E.i.r.p(dBm)	Tune up tolerance (dBm)	Maximum tune-up Power		Calculated value	Exclusion threshold
			(dBm)	(mW)		
Lowest (2402MHz)	1.14	2.6±1.5	4.10	2.571	0.797	3.0
Middle (2441MHz)	4.07	2.6±1.5	4.10	2.571	0.803	
Highest (2480MHz)	1.22	2.6±1.5	4.10	2.571	0.810	
Conclusion: the calculated value ≤3.0, SAR is exempted.						

Remark: The Max Conducted Peak Output Power data refer to report Report No.: CQASZ20210500703E-01
2) EIRP= Max Conducted Peak Output Power + Antnna gain

The End