

RF Exposure Evaluation

FCC ID: 2ABNBHX-P320

1. Client Information

Applicant : GOLDEN CHINA AUDIO (HK) PRODUCT LIMITED (AOK)
Address : UNIT 2509, 25/F HO KING COMM CTR 2-16 FA YUEN ST KLN, HONG KONG
Manufacturer : Dong Guan Jin Wen hua Audio Product Ltd.
Address : No.1, Hua da Road, Longbei ling, tang xia town, dongguan, China

2. General Description of EUT

EUT Name	:	Jam Thrill	
Models No.	:	HX-P320	
Model difference	:	N/A	
Product Description	:	Operation Frequency: Bluetooth:2402~2480MHz	
		Number of Channel: Bluetooth:79 Channels	
		Max Peak Output Power: 8-DPSK: 4.167dBm	
		Antenna Gain: 0 dBi PCB Antenna	
		Modulation Type: GFSK 1Mbps(1 Mbps) π /4-DQPSK(2 Mbps) 8-DPSK(3 Mbps)	
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 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.

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:

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

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

2.

Calculation:

Test separation: 5mm					
Bluetooth Mode (GFSK)					
Frequency (GHz)	Conducted Power (dBm)	Turn-up Power Tolerance (dB)	Max power of tune up tolerance (mw)	Calculation Value	Threshold Value
2.402	3.115	± 0.5	2.299	0.713	3.0
2.441	3.609	± 0.5	2.576	0.805	3.0
2.480	4.034	± 0.5	2.841	0.895	3.0
Bluetooth Mode (π/4-DQPSK)					
Frequency (GHz)	Conducted Power (dBm)	Turn-up Power Tolerance (dB)	Max power of tune up tolerance (mw)	Calculation Value	Threshold Value
2.402	3.919	± 0.5	2.766	0.857	3.0
2.441	3.926	± 0.5	2.771	0.866	3.0
2.480	3.919	± 0.5	2.766	0.871	3.0
Bluetooth Mode (8-DPSK)					
Frequency (GHz)	Conducted Power (dBm)	Turn-up Power Tolerance (dB)	Max power of tune up tolerance (mw)	Calculation Value	Threshold Value
2.402	3.327	± 0.5	2.414	0.748	3.0
2.441	3.694	± 0.5	2.627	0.821	3.0
2.480	4.167	± 0.5	2.929	0.922	3.0

So standalone SAR measurements are not required.