



BUREAU
VERITAS

Test Report No.: FS150720N016

RF EXPOSURE REPORT

Applicant	Strax Asia Limited
Address	Unit D2, 1st Floor, Lucky Horse Industrial Building 64 Tong Mi Road Mongkok, Kowloon, Hong Kong.

Manufacturer or Supplier	Shenzhen Adition Audio Science & Technology Co., Ltd
Address	Mingzhuo Industry Park, Guangming Main Street, Guangming New District, Shenzhen, China
Product	HouseParty Mini
Brand Name	Gear 4
Model	PS040
Additional Model & Model Difference	N/A
Date of tests	Jul. 20, 2015 ~ Aug. 10, 2015

FCC Part 2 (Section 2.1091)

KDB 447498 D03

IEEE C95.1

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Tested by Blue Zheng Project Engineer / EMC Department	Approved by Chris Chen Assistant Manager / EMC Department

Date: Aug. 10, 2015

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FS150720N016	Original release	Aug. 10, 2015



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1. CERTIFICATION

FCC ID:	POE-PS040
PRODUCT:	HouseParty Mini
BRAND NAME:	Gear 4
MODEL NO.:	PS040
ADDITIONAL NO.:	N/A
TEST SAMPLE:	Engineering Sample
APPLICANT:	Strax Asia Limited
TESTED DATE:	Aug. 10, 2015
STANDARDS:	FCC Part 2 (Section 2.1091)
	KDB 447498 D03
	IEEE C95.1



2. RF EXPOSURE LIMIT

LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

FREQUENCY RANGE (MHz)	ELECTRIC FIELD STRENGTH (V/m)	MAGNETIC FIELD STRENGTH (A/m)	POWER DENSITY (mW/cm ²)	AVERAGE TIME (minutes)
LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE				
300-1500	F/1500	30
1500-100,000	1.0	30

F = Frequency in MHz

3. MPE CALCULATION FORMULA

$$Pd = (Pout * G) / (4 * \pi * r^2)$$

where

Pd = power density in mW/cm²

Pout = output power to antenna in mW

G = gain of antenna in linear scale

Pi = 3.1416

R = distance between observation point and center of the radiator in cm

4. CLASSIFICATION

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as **Mobile Device**.



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5. ANTENNA GAIN

The antennas provided to the EUT, please refer to the following table:

Transmitter Circuit	Peak Gain (dBi)	Total Gain (dBi)	Antenna Type
Chain 0	2	2	PCB Antenna

6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

FREQUENCY BAND (MHz)	MAX POWER (mW)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm ²)	LIMIT (mW/cm ²)
2402-2480	0.465	2	20	0.0002	1.00

Conclusion

Therefore device complies with FCC's RF radiation exposure limits for general population in mobile exposure category (distance > 20cm)

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