



BUREAU
VERITAS

Test Report No.: FM2203WDG0247



Certificate # 2951.01

RF EXPOSURE REPORT

Applicant	MMD Hong Kong Holding Limited
Address	Unit 1006, 10th Floor, C-Bons International Center, 108 Wai Yip Street, Kwun Tong, Kowloon, Hong Kong

Manufacturer or Supplier	MMD Hong Kong Holding Limited
Address	Unit 1006, 10th Floor, C-Bons International Center, 108 Wai Yip Street, Kwun Tong, Kowloon, Hong Kong
Product	Active Noise Canceling wireless headphones
Brand Name	PHILIPS or 
Model	TAH8507HS
Additional Model & Model Difference	TAH8507
Date of tests	Mar. 13, 2022 ~ Mar. 25, 2022

- FCC Part 2 (Section 2.1093)**
- KDB 47498 D01 General RF Exposure Guidance v06**
- IEEE C95.1**

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

Tested by Lucas Chen Project Engineer / EMC Department	Approved by Glyn He Assistant Manager / EMC Department
	

Date: May 13, 2022

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Bureau Veritas Shenzhen Co., Ltd.
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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM2203WDG0247	Original release	May 13, 2022

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1. CERTIFICATION

FCC ID:	2AR2STAH8507HS
PRODUCT:	Active Noise Canceling wireless headphones
BRAND NAME:	PHILIPS or 
MODEL NO.:	TAH8507HS
ADDITIONAL NO.:	TAH8507
APPLICANT:	MMD Hong Kong Holding Limited
STANDARDS:	FCC Part 2 (Section 2.1093) KDB 447498 D01 IEEE C95.1



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2. RF EXPOSURE DEFINE

The corresponding SAR Exclusion Threshold condition, listed below:

1) 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:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, 16 where

- $f(\text{GHz})$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- 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) At 100 MHz to 6 GHz and for test separation distances > 50 mm, the SAR test exclusion threshold is determined according to the following:

- a) [Threshold at 50 mm in step 1) + (test separation distance - 50 mm) · (f(MHz)/150)] mW, at 100MHz to 1500 MHz
- b) [Threshold at 50 mm in step 1) + (test separation distance - 50 mm) · 10] mW at > 1500 MHz and ≤ 6 GHz

3) At frequencies below 100 MHz, the following may be considered for SAR test exclusion.

- a) The threshold at the corresponding test separation distance at 100 MHz in step 2) is multiplied by $[1 + \log(100/f(\text{MHz}))]$ for test separation distances > 50 mm and < 200 mm.
- b) The threshold determined by the equation in a) for 50 mm and 100 MHz is multiplied by $\frac{1}{2}$ for test separation distances ≤ 50 mm.
- c) SAR measurement procedures are not established below 100 MHz. When SAR test exclusion cannot be applied, a KDB inquiry is required to determine SAR evaluation requirements for any test results to be acceptable.

3. CLASSIFICATION

The antenna of this product, under normal use condition, is at less than 5mm away from the body of the user. So.

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4. SAR TEST EXCLUSION THRESHOLDS

The tuned conducted Power (declared by client)

Mode	Frequency (MHz)	Target Power (dBm)	Tolerance (dBm)	Lower Tolerance (dBm)	Upper Tolerance (dBm)
GFSK	2402-2480	0	+2/-5	-5	2
8DPSK	2402-2480	0	+2/-5	-5	2

The measured conducted Power (Maximum)

Mode	Frequency (MHz)	Maximum RF Power (dBm)
GFSK	2402	-4.063
8DPSK	2441	1.018

SAR Test Exclusion Thresholds

Frequency (MHz)	Maximum source-based time averaged conducted output power (dBm)	Minimum separation distance (mm)	Result of Eq. 1	Limit for 1-g SAR	Limit for 10-g extremity SAR	Verdict
2402-2480	2	5	0.499	3.0	7.5	Exempt from SAR

Conclusion

Therefore this device complies with FCC's RF radiation exposure limits for general population without SAR evaluation.