




# 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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Test Report No.: FM2203WDG0247

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**BUREAU**  
**VERITAS**

Test Report No.: FM2203WDG0247

## RELEASE CONTROL RECORD

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


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## 1. CERTIFICATION

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

## 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  $\leq 50$  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  $\leq 7.5$  for 10-g extremity SAR, 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  $\leq 50$  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) ·  $f(\text{MHz})/150$ ] mW, at 100 MHz to 1500 MHz
  - b) [Threshold at 50 mm in step 1) + (test separation distance - 50 mm) · 10] mW at  $> 1500$  MHz and  $\leq 6$  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  $\leq 50$  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.



## 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.