

CMA Testing and Certification Laboratories 廠商會檢定中心

RF EXPOSURE EVALUATION

Report No.	:	AW0024544(5)	Date: Apr 25, 2018
Application No.	:	LW005460(4)	
Applicant	:	Origami Group Limited	
Sample Description	:	One(1) item of submitted sample stated to be	
		Product Descriptin Model Sample registration No. Radio Frequency Supply voltage No. of submitted sample	 : ORII Voice Assistant Smart Ring : 1001 : RW009341 : 2402 - 2480MHz : DC 3.7V (Li-ion Rechargeable battery) DC 5.0V (charging docking) : 2
FCC ID	:	2AOJQ1001	
Date Received	:	Feburary 22, 2018	
Evaluation Period	:	March 8, 2018 – April 18, 2018	
Evaluation Method	:	447498 D01 General RF Exposure Guidance v06 - RF Exposure Procedure and Equipment Authorization Policies for Mobile and Portable Devices	
Conclusion	:	The maximum simultaneous power of Bluetooth operation were satisfied RF exposure requirements.	

For and on behalf of CMA Industrial Development Foundation Limited

Authorized Signature : Page 1 of 2 Mr. WONG Lap-pong Andrew Manager Electrical Division Document name: FCC RF exposure - Document Ref No: RT-EL-EMC-008 - Issue Date: 01 Dec 2017 - Edition: 1

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Simultaneous power

Not applicable because only Bluetooth transmitter installed on the device

RF Exposure Evaluation

According to KDB 447498 D01 clause 4.3.1 a), transmission from 100 MHz to 6 GHz and test separation distances \leq 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] $\cdot [\sqrt{f(GHz)}]$

Calculation

- Frequency	: 2.480GHz
- Max. conducted power of channel of BLE and non-BLE mode,	: 7.4dBm
including tune-up tolerance.	
(From test report, AW0021542 and AW0021543)	
- Antenna gain	: 1.5dBi
- Max. e.i.r.p.	: 8.9dBm (7.76mW)
- Minimum test separation distances	: <5mm
where	
-f(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 two decimal place for comparison.

Substitute above reading for calculation. [(mW) / (mm)] x \sqrt{GHz}]

Result = 2.44

Requirements: \leq 3.00 for 1-g SAR and \leq 7.5 for 10-g extremity SAR

Conclusion

The corresponding SAR test exclusion threshold was satisfied 4.3.1a) requirements. Measurement or numerical simulation is not required.

***** End of Evaluation *****

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