CMA Testing and Certification Laboratories
廠商會檢定中心

RF EXPOSURE EVALUATION

Report No.	:	AY0012764(9) Date: 12 Mar 2019
Application No.	:	LW039613(0)
Applicant	:	Yacht Sentinel Ltd
Sample Description	:	One(1) item of submitted sample stated to be

Product Descriptin : High water sensor transmitter
Model : HW001
Sample registration No. : RY047476-001(7)
Radio Frequency : 916MHz
Supply voltage : 2 x 1.5V AAA size batteries
No. of submitted sample : 1

FCC ID	:	2AR6YHW001
Date Received	:	19 Feb 2019
Evaluation Period	:	20 Feb 2019 – 12 Mar 2019
Evaluation Method	:	447498 D01 General RF Exposure Guidance v06 - RF Exposure Procedure and Equipment Authorization Policies for Mobile and Portable Devices
Conclusion	:	The source-based time-averaged maximum conducted power of Bluetooth operation were satisfied RF exposure requirements.

For and on behalf of
CMA Industrial Development Foundation Limited

Authorized Signature : _____

Mr. WONG Lap-pong, Andrew
Manager
Electrical Division

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Simultaneous power

No Simultaneuous transmission

RF Exposure Evaluation

According to KDB 447498 D01 clause 4.3.1 a), transmission from 100 MHz to 6 GHz and test separation distances ≤ 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*)] · [√f(GHz)]

Calculation

- Frequency : 916MHz
- Max. peak conducted output power , including tune-up tolerance : 0.022mW
- 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 √GHz]

Result = 0.0042

Requirements: ≤ 3.00 for 1-g SAR and ≤ 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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