SONY

Sony Global Manufacturing & Operations Corporation

## RF Exposure / MPE Calculation

No. : LIN-0575 Applicant : Sony Corporation
Type of Equipment : Wi-Fi / Bluetooth Module
Model No. : FL-N01-WBM FCC ID : AK8FLN01WBM

We, Sony Corp., hereby declare that Wireless Module, model: FL-N01-WBM (FCC ID: AK8FLN01WBM) is exempt from RF exposure SAR evaluation as its output power meets the exclusion limits stated in FCC Part 2 §2.1093.

KDB 447498 D01 has the following exclusion for portable devices:
The 1g and 10g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50mm are determined by:

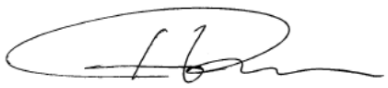
*[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)]*
·[√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where
•f(GHz) is the RF channel transmit frequency in GHz
•Power and distance are rounded to the nearest mW and mm before calculation
•The result is rounded to 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.

This device has f = 2.48 GHz and distance = 5 mm (minimum separation distance: 5mm was used in the calculation) and the maximum Average output power with tolerance was 3.16mW(Output power of Theory of Operation)
* Clause 6.3 Low transmission duty factor devices of KDB447498 D01 was applied to this product due to its specification.

So for this device:
3.16mW[maximum Average output power with tolerance] /5mm[minimum separation distance] ＊ √2.48 = 1.0
＊This is less than 3.0 so no SAR is required.

Thank you for your attention to this matter
Hideo. Nomura



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