

## Statement of compliance to SAR

### No. 170902301SHA-004

Applicant : Muuselabs NV  
Rue du Tocsin 12, 1000 Brussels, Belgium  
Product Name : Wireless module  
Type/Model : ML-MW01A

According to KDB 447498D01(v06), the following exclusion for portable devices:

The 1g and 10g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq$  50mm 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:

- $f$  (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.

According the Test Report 170902301SHA-001, 170902301SHA-002 and 170902301SHA-003:

Max Permit Power with tolerance: 15dBm (31.62mW) at 2462MHz;

Distance = 21 mm (minimum separation distance: 21 mm was used in the calculation)

**Result:**  $(31.62/21) \cdot \sqrt{2.462} = 2.36 < 3.0$

**Conclusion:** The SAR requirement is deemed to be satisfied without test.

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