



June 7, 2013

UL Japan, Inc.
4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 Japan

FCC ID: VPYLBYSR650

To whom it may concern,

We, UL Japan, Inc, hereby declare that Communication Module, model: LBWA1U5YR1 (FCC ID: VPYLBYSR650) of Murata Manufacturing Company, Ltd. is exempt from RF exposure SAR evaluation as its output power meets the exclusion limits stated in FCC Part 2 § 2.1093 and FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65.

KDB 447498D01(V05) 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 ≤ 50 mm are determined by:

$$\left[\frac{\text{Maximum average output power(mW)}}{\text{Minimum separation distance(mm)}} \right] \cdot [\sqrt{f(\text{GHz})}] \leq$$

3.0 for 1g SAR and ≤ 7.5 for 10g 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 f = 2.48 GHz, distance = 5 mm (minimum separation distance: 5mm was used in the calculation) and the measured maximum average output power was 6.93mW

So for this device:
 $6.93\text{mW}[\text{measured maximum average output power}]/5\text{mm}[\text{minimum separation distance}] \cdot \sqrt{2.48} = 2.18$

*This is less than 3.0, so no SAR is required.

Thank you for your attention to this matter.

Sincerely,


Masanori Nishiyama
Leader of Head Office EMC Lab.
WiSE Japan, UL Verification Service, UL Japan, Inc.