



July 5, 2013

UL Japan, Inc.  
1-22-3 Megumigaoka, Hiratsuka-shi, Kanagawa-ken, 259-1220 JAPAN

FCC ID: O8CJM1L2S

To whom it may concern,

We, UL Japan, Inc., hereby declare that JM1, model : JM1L2S  
(FCC ID: O8CJM1L2S) of Aplix IP Holdings Corporation 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  $\leq 50$  mm are determined by:

$[(\text{measured maximum equivalent isotropic radiated power(mW)})/(\text{Minimum separation distance(mm)})] \cdot \sqrt{f \text{ (GHz)}}$   
 $\leq 3.0$  for 1g SAR and  $\leq 7.5$  for 10g extremity SAR where

- $f(\text{GHz})$  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.

This device  $f = 2.48$  GHz, distance = 5mm (minimum separation distance: 5 mm was used in the calculation) and the measured maximum equivalent isotropic radiated power was 1.56 mW

So for this device:

$1.56 \text{ mW} [\text{measured maximum equivalent isotropic radiated power}] / 5 \text{ mm} [\text{minimum separation distance}] \cdot (\sqrt{2.48}) = 0.49$

\* calculation: measured maximum equivalent isotropic radiated power =  $10^{((\text{maximum peak output power [dBm]} + \text{antenna gain [dBi]}) / 10)}$   
 $= 10^{((1.43 \text{ [dBm]} + 0.5 \text{ [dBi]}) / 10)}$

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

Thank you for your attention to this matter.

Go Ishiwata  
Manager of WiSE Japan,  
UL Verification Service

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**UL Japan, Inc.**

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