TÜV Rheinland EPS B.V.

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Precisely Right.

MPE Evaluation

Smidshornerweg 18
P.O. Box 15
9822 ZG Niekerk
The Netherlands

www.tuv-eps.com

T +31 594 505005
F +31 594 504804
E info@tuv-eps.com

Subject
RF Exposure statement

Date
July 18,2011.

Our reference
11030302

Your reference
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FCC ID : ZB9-CIRCLE-PLUS
Brand : Plugwise
Model : Circle+
Description : A Digital Transmission System operating in the frequencyband 2405MHz up to 2480MHz

This device has an e.i.r.p. less than +4.83 dBm (3.04 mW, including a maximum antenna gain of +1.8 dBi), which means that the worst case prediction of power density (100% reflection) at 20 cm distance (worst case) can be calculated as follows :

$$S = \frac{EIRP}{4*\pi * R^2}$$ (power density without reflection)

$$S = \frac{2^2*EIRP}{4*\pi * R^2}$$ (power density with 100% reflection)

$$S = \frac{2^2 *EIRP}{4*\pi * R^2} = \frac{3.04\ mW}{\pi*(20cm)^2} = 0.0024\ mW/cm^2$$ (limit = 1.0 mW/cm^2)

This means that according to OET Bulletin 65 (Edition 97-01), Supplement C (Edition 01-01), the equipment fulfills the requirements on power density for general population/uncontrolled exposure.

Best regards,
TÜV Rheinland EPS B.V.

R .van der Meer
Test Engineer