TÜV Rheinland EPS B.V.

TÜVRheinland®
Precisely Right.

MPE Evaluation

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Subject
RF Exposure statement

Date
July 18,2011.

Our reference
11030302

Your reference
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FCC ID	:	ZB9-CIRCLE
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 +0.73 dBm (12 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)

$$S = \frac{2^2 *EIRP}{4*\pi * R^2} = \frac{12\ mW}{\pi*(20cm)^2} = 0.00955\ mW/cm^2$$ (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