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To: TCB reviewer

RE: RF exposure of HZB-AP700

The HZB-AP700 product is an 802.11abg access point device. The radio is capable of transmitting at 2.4-2.4835 GHz, 5.15-5.35G, and 5.725-5.850GHz band individually, as well as transmitting with 2.4G and any one of the 5 GHz bands turned on at the same time.

Based RF exposure document by ADT Corp, the worst case exposure under all circumstances for 0.067 mW/cm<sup>2</sup> for 2.4G band, and 0.734 mW/cm<sup>2</sup> for the 5.15-5.35 GHz, 5.725-5.850 GHz all taken into consideration) .

With regards to 5.47-5.725 GHz band, due to the fact the EIRP limit is 30dBm, the maximum power density is:  $Pd = PG/4\pi r^2 = 1000/(12.56 \times 400) = 0.20 \text{ mW/cm}^2$ .

As a result, the worst case exposure of the entire system under all conditions is within 0.801 mW/cm<sup>2</sup> (0.067+0.734). This overall worst case exposure level is within the limit of 1mW/cm<sup>2</sup> as specified in 1.1310 of CFR47,

To ensure of compliance to 1.1310 based on the calculation results, we have included in the regulatory section of product manual warnings of 20cm separation distance for applications using integral antennas, and separation distance of 1m for applications using external antennas. The manual is on file in this application.

If you should have any questions regarding this submission, please feel free to contact the undersigned.

Yours truly,

A handwritten signature in black ink, appearing to read "Caroline Yu". The signature is fluid and cursive, with a long horizontal stroke at the end.

Caroline Yu

Regulatory Compliance t Manager  
Proxim Wireless Corporation