



Date 30th May 2012

American Certification Body, Inc.
6731 Whittier Avenue, Suite C110
McLean,
Virginia 22101
FCC ID: WJHRP11

Alertme Repeater Plug RF Exposure Calculations

2.4Ghz

The test report for the Repeater Plug shows a maximum output power of 21.8 dBm (on Zigbee channel 11).

The Antenna gain is specified as 1dBi , so the total radiated output power is 22.8dBm (or 190.5mW).

Therefore the maximum RF exposure at 20cm is 0.0379mW/cm².

This is significantly below the threshold limit at 2.4Ghz which is stated as 1mW/cm².

908.42Mhz

The test report for the Repeater Plug shows a maximum output power level (at 3M) of 75.8 dBuV/m.

So the EIRP is -19.4 dBm (or 0.011mW).

Therefore the maximum RF exposure at 20cm is 0.0001mW/cm².

This is significantly below the threshold limit at 908.42Mhz which is stated as 0.6056/cm².

Sincerely,

Bruce Benson
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