



Date 30th May 2012

American Certification Body, Inc.
6731 Whittier Avenue, Suite C110
McLean,
Virginia 22101
FCC ID: WJHMH11

Alertme Mini Hub RF Exposure Calculations

2.4Ghz

The test report for the Mini Hub shows a maximum output power of 22.08 dBm (on Zigbee channel 18).

The Antenna gain is specified as 1dBi , so the total radiated output power is 23.08 dBm (or 203.2mW).

Therefore the maximum RF exposure at 20cm is 0.0405mW/cm².

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

908.42Mhz

The test report for the Mini Hub shows a maximum output level (at 3M) of 90.4 dBuV/m.

So the EIRP is -4.8 dBm (or 0.33mW).

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 0.6056mW/cm².

Sincerely,

Bruce Benson
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