

# RADIATED EMISSIONS



Test Report #: WC908471 Run 4 Test Area: LTS

EUT Model #: 825 Date: 11/4/2009

EUT Serial #: 186C5 EUT Power: 15 VDC Temperature: 23.0 °C

Test Method: FCC Pt 15 C Air Pressure: 99.0 kPa

Customer: Landis & Gyr Rel. Humidity: 26.0 %

EUT Description: 2.4 GHz Zigbee transmitter

Notes: 2.4 GHz transmitter - antenna 2

Data File Name: 8471.dat

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## List of measurements for run #: 4

| FREQ      | LEVEL<br>(dBuV) | CABLE / ANT / PREAMP /<br>ATTEN<br>(dB) | FINAL<br>(dBuV / m) | POL / HGT / AZ<br>(m)(DEG) | DELTA1<br>FCC B >1G 3<br>M peak | DELTA2<br>FCC B >1GHz<br>3m ave |
|-----------|-----------------|-----------------------------------------|---------------------|----------------------------|---------------------------------|---------------------------------|
| 2.405 GHz | 123.3 Pk        | 4.19 / 28.71 / 43.46 / 0.0              | 112.74              | V / 1.70 / 130             | n/a                             | n/a                             |
| 2.405 GHz | 125.5 Pk        | 4.19 / 28.71 / 43.46 / 0.0              | 114.94              | H / 2.00 / 300             | n/a                             | n/a                             |
| 2.445 GHz | 124.9 Pk        | 4.22 / 28.8 / 43.48 / 0.0               | 114.44              | H / 1.70 / 300             | n/a                             | n/a                             |
| 2.446 GHz | 121.1 Pk        | 4.22 / 28.8 / 43.48 / 0.0               | 110.64              | V / 1.40 / 250             | n/a                             | n/a                             |
| 2.479 GHz | 66.4 Pk         | 4.24 / 28.88 / 43.49 / 0.0              | 56.03               | V / 1.40 / 150             | n/a                             | n/a                             |
| 2.48 GHz  | 63.7 Pk         | 4.24 / 28.88 / 43.49 / 0.0              | 53.33               | H / 1.70 / 300             | n/a                             | n/a                             |

scanned up to 25 GHz.

Tested by: J. T. Schneider \_\_\_\_\_  
Printed Signature

Reviewed  
by: \_\_\_\_\_  
Printed Signature

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## Measurement summary for limit1: FCC B >1G 3 M peak (Pk)

| FREQ      | LEVEL<br>(dBuV) | CABLE / ANT / PREAMP /<br>ATTEN<br>(dB) | FINAL<br>(dBuV / m) | POL / HGT / AZ<br>(m)(DEG) | DELTA1<br>FCC B >1G 3<br>M peak |
|-----------|-----------------|-----------------------------------------|---------------------|----------------------------|---------------------------------|
| 2.405 GHz | 125.5 Pk        | 4.19 / 28.71 / 43.46 / 0.0              | 114.94              | H / 2.00 / 300             | n/a                             |
| 2.445 GHz | 124.9 Pk        | 4.22 / 28.8 / 43.48 / 0.0               | 114.44              | H / 1.70 / 300             | n/a                             |
| 2.446 GHz | 121.1 Pk        | 4.22 / 28.8 / 43.48 / 0.0               | 110.64              | V / 1.40 / 250             | n/a                             |
| 2.479 GHz | 66.4 Pk         | 4.24 / 28.88 / 43.49 / 0.0              | 56.03               | V / 1.40 / 150             | n/a                             |
| 2.48 GHz  | 63.7 Pk         | 4.24 / 28.88 / 43.49 / 0.0              | 53.33               | H / 1.70 / 300             | n/a                             |

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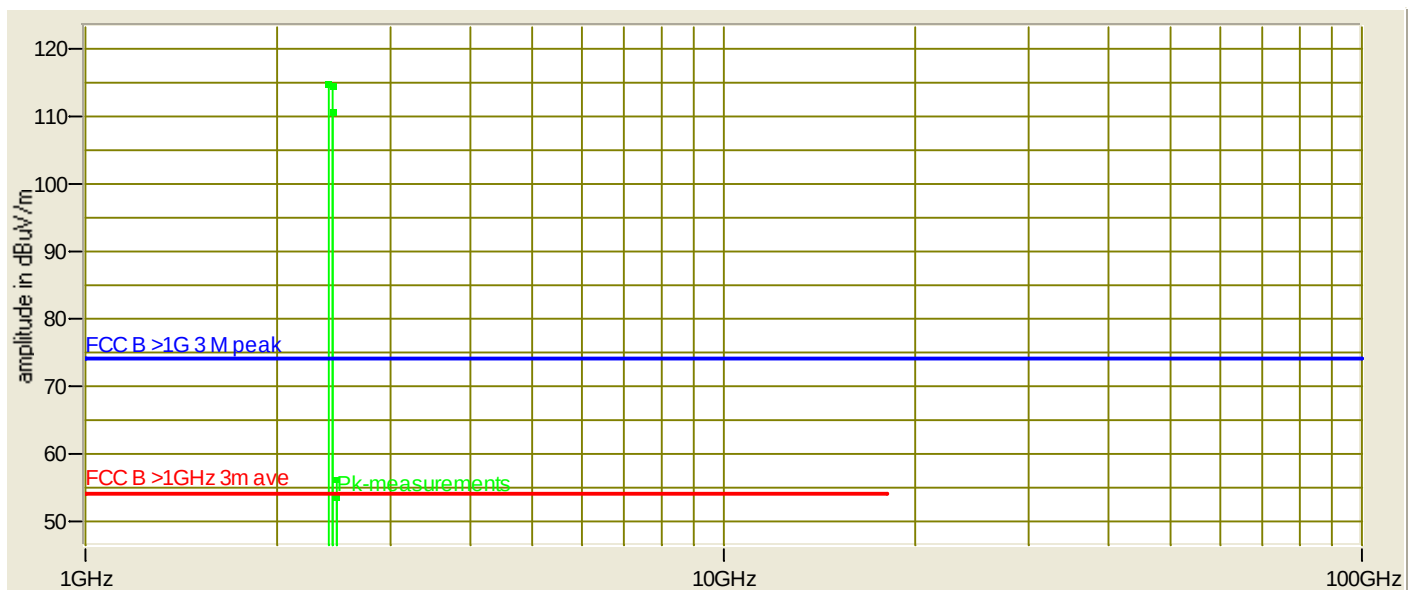
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## Graph:



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Reviewed by: \_\_\_\_\_ Printed Signature