From: tom@tncokenias.org
Sent: Friday, July 25, 2003 3:09 PM
To: mkuo@ccsemc.com
Subject: FCC ID MCI-397 RadioLAN peak power

Mike

Attached are spectrum analyzer plots and excel spread sheet.

I summed up the power in every 1 MHz in the emission bandwidth of the
EUT, which is almost 90 MHz (20 dB BW is between 80 and 90 MHz).

The charts show dBm for ease of reading, but I changed to LIN when doing
the measurement and summed up in microwatts. I then converted microwatts
to milliwatts to dBm, added 10 dB attenuator and 1 dB cable loss.

Measurement this way yielded   15.9 dBm

With modulation turned OFF and CW output, I measured about 17.1 dBm.
Since pulse position modulation (PPM) turns cw output ON and OFF in a
specific time sequence, CW is an accurate way to determine peak power.

The summation difference is only about 1.2 dB lower, so I am confident the
actual power output is between 15.9 dBm and 17.1 dBm

I believe this answers the questions you had on this application but
please don't hesitate to contact me if you have further questions.

best regards

Tom