

Safety & Compliance Consulting
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August 1, 2000
QTK2000-F017A

Attn: Joseph Dichoso / FCC-OET
Re: FCC ID: H8NWLC010D53
Applicant: Askey Computer Corporation
Correspondence Ref No: 14735
731 Confirmation Number: EA97641
Date of FCC E-Mail: 06/23/00
Product Name: Wireless PC LAN Card
Composite Device: 2.4 GHz DSS Transceiver (Certification With FCC ID)
Class B Computing Device Peripheral (DoC with FCC logo)

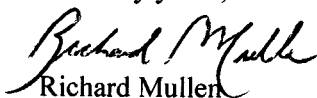
Dear Mr. Dichoso:

Please note the following response to your issued comments:

1. We understand this product is classified as composite device with transmitter and computer peripheral subject to separate equipment authorizations. The transmitter portion will be authorized under Certification with FCC ID; and the computer peripheral portion will be authorized under DoC with FCC logo. Refer to the attached amended Label and User Manual to reflect DoC information and other corrections for operating frequency, output power and employed antenna.
2. This product will employ one internal on-board antenna and will not offer any other internal or optional external antenna. The User Manual was amended to remove reference to any other antennas. Attached find close-up photograph of the internal on-board antenna, which has a rated antenna gain of 1.5dbi.
3. We understand FCC noted a radiated emission spike that appeared in a restricted band when this device was operating on its highest frequency channel 11. Attached find the requested frequency band edge peak and average test data generated while this device was operating on highest frequency channel.
4. The originally filed FCC Form 731 and User Manual contained errors regarding the maximum rated output power. The measured maximum power in 1MHz peak power is approximately less than -1.1dBm.
5. This product will use only an internal on-board antenna that is non-detachable or user replaceable, and as such, is in compliance with Section 15.203 for antenna requirements.
6. This 2.4 GHz direct sequence spread spectrum transmitter can operate within 2.5 cm from human body and has effective peak radiated power of much less than 7dBm (5mW). As such, we understand this device can be considered categorically exempt from SAR measurements.
7. This product will operate within 2412~2462 MHz frequency band.
8. Attached find theoretical processing gain for frequency channels 1, 6 and 11 with data rate 2 and 11 Mbps that shows greater than 10dB processing gain.
9. Attached find more-in-focus processing gain data, which includes highest data rate for each chip/symbol ratio. Also, this includes $G_p = (S/N)_o + M_j + L_{sys}$ calculations.

I trust the above response answers all outstanding comments and this application may now be authorized. If you have any further questions or comments, please contact the undersigned immediately. Thank you for your attention and cooperation in this matter.

Sincerely yours,



Richard Mullen
Group Manager
Safety & Compliance Consulting