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August 29, 2000
QTK2000-F017B

Attn: Joseph Dichoso / FCC-OET
Re: FCC ID: H8NWLC010D53
Applicant: Askey Computer Corporation
Correspondence Ref No: 15441
731 Confirmation Number: EA97641
Date of FCC E-Mail: 08/07/00
Product Name: 2.4 GHz Wireless PCMCIA LAN Card
Composite Device: 2.4 GHz DSS Transmitter (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. As you pointed out, the initial maximum rated output power tests were generated with spectrum analyzer with bandwidth limitations that did not allow the resolution bandwidth (RBW) to be set to greater than 6 dB channel bandwidth of the EUT. Attached find maximum antenna output power performed with peak power meter. The representative test results for Channels 1, 6 and 11 were: (1) Ch 1 was 5.62 dBm / 3.65mW; (2) Ch 6 was 5.10 dBm / 3.24 mW; and (3) Ch 11 was 5.12 dBm / 3.25 mW. As the maximum allowable output power is 30 dBm (1,000mW), these test results are well below the maximum allowable output limits.
2. The provided theoretical processing gain for frequency channels 1, 6 and 11 with data rate 2 and 11 Mbps provided theoretical calculations of processing gain greater than 10 dB based upon Intersil HWB3163 system, which uses component chipset HWB3163. This same process gain system is used within the subject device and is identical to originally reported and granted Wireless LAN PCMCIA that you granted on April 27, 2000 under FCC ID: OSZ3163B1
3. Regarding RF Exposure, this 2.4 GHz direct sequence spread spectrum transmitter employs an internal antenna has a fixed gain of 1.5dBi, effective peak radiate output power of 3.65mW and approximate minimum spacing of 1.0cm spacing between antenna and the human body. As this device has very low power and minimum spacing is less than 20 cm, we judge this device can be categorically excluded from SAR measurement requirements.

Please advise if you have any further questions or comments. Thank you for your attention and continued cooperation in these matters.

Sincerely yours,

Richard Mullen
Group Manager
Safety & Compliance Consulting