
From: "Curtis-Straus Certification Dept." <certification@curtis-straus.com>
To: "Mike Buchholz" <mbuchholz@curtis-straus.com>
Sent: Tuesday, March 25, 2003 1:40 PM
Subject: Thing Magic FCC ID: QV5MERCURY3 TCB findings

Hi Mike,

Our reviewers have identified the following issues:

1. The two test reports supplied did not include issue dates.
2. Please provide a manufacturers datasheets for the shelf antenna and ICode 9910 antenna.
3. The 15.247 test report states the circularly polarized patch antenna has a gain of 6dBi however the datasheet states 7.5dBi and circuit description states 7dBi. Please explain the differences.
4. Please supply internal photos with a higher resolution.
5. Radiated emission measurements were made with the device configured with a shielded Ethernet cable however the manual does not state that the use of a shielded cable is required.
6. Please provide an argument how this device complies with the requirements of 15.15(c). It is not permitted for a device to intentionally radiate RF energy in the absence of communications. Does this device continually radiate or does some other event trigger the transmitter so it can read the tag ID?
7. Please remove any diagnostic data from the test reports.
8. For future applications please provide an EIRP measurement using the highest gain antenna of each type, to demonstrate compliance with the 15.247 (b)(4) de facto 36dBm limit for a frequency hopping or digital modulated transmitter.
9. Please provide data tables for the bandedge measurements or supply graphs with the limits.

Best regards

Barry C. Quinlan
Certification Manager
Curtis-Straus TCB