

March 31, 2003

Federal Communications Commission
Equipment Approval Services
7435 Oakland Mills Road
Columbia, MD 21046
Attn: Mr. Stanley Lyles


SUBJECT: Matsushita Electric Industrial Co., Ltd.
FCC ID: ACJ96NKX-TG5110
731 Confirmation No.: EA466126
Correspondence Reference No.: 24967
Request for Tech. Info.: 3/18/2003

Dear Stanley:

Transmitted herewith, on behalf of **Matsushita Electric Industrial Co., Ltd.** is an amendment provided in response to the request for technical information dated March 18, 2003.

1. Please find attached exhibits including 2-D contour plots along the z-axis and z-scan plot scans (with marked sample points and expected behavior) demonstrating that the free space field was well behaved in the region of calibration. Please also find details of the new revised temperature probe calibration uncertainty (11.36%) and data justifying hemispherical isotropy uncertainty. Please also find photographs and explanation for angle measurements. Hemispherical isotropy was determined "in liquid".
2. Please find attached similar 1 gram target analysis (values determined by Tim Harrington per correspondence were included in analysis). Since there were no available measurement standards for measuring SAR at 5.8 GHz, PCTEST chose to extrapolate from the IEEE P1528 accepted targets from 3GHz to 5.8 GHz to generate an approximate conservative target, until further guidance is issued (See attached table and comparison). This estimated target for 5.8GHz was also accepted under EA214444, which also complied on the side of caution for RF safety. Given the maximum SAR level is well within the FCC RF exposure limit and the measured SAR level is the worst-case, PCTEST believes that there is no issue of non-compliance.
3. Please find time of occupancy (dwell time) data.
4. Please find 2 samples of frequency hopping sequence. Panasonic requests that this document be kept confidential.

We trust this information is sufficient to issue the grant as soon as possible. If you have any further questions, please do not hesitate to contact us.



Randy Ortanez
President

CC: **Matsushita Electric Industrial Co., Ltd.**