

Uniden Engineering Services
216 John Street
P. O. Box 580
Lake City, SC 29560
Phone (843) 394-3852
Fax (843) 394-8393



ADDITIONAL TECHNICAL INFORMATION

August 7, 2000

FEDERAL COMMUNICATIONS COMMISSION
Office of Engineering and Technology
Equipment Authorization Division
Applications Processing Branch
7435 Oakland Mills Road
Columbia, Maryland 21046

RE: Clarification of Maximum Allowable Output Power
Applicant: Sanyo Fisher Company
FCC ID: HVMCLT2430 --- 731 Confirmation Number EA97776
Attn: Mr. Joe Dichoso, Reviewing Engineer

Dear Mr. Dichoso:

Let me state first of all that the referenced application is based upon the procedure called "Change in Identification of Presently Authorized Equipment". It is assumed the all application material and supporting documentation was previously reviewed by the Commission before the original grant was issued. The test report uploaded with this application, although a duplication of the same test report for the original application, was submitted based upon informal instructions that each electronic application should be completely self-contained.

However, pursuant to your email, please accept this information which explains and hopefully clarifies an apparent problem concerning the disparity between the measured output power and the power listed on the FCC Form 731A (Grant of Equipment Authorization) of the original model. The application for the original device was submitted with no output power listed on the electronic FCC Form 731. The 14 mW was apparently calculated from the same test data referenced in your email. The design of this device was based upon an output power of 11dBm (12.6 mW) for both the handset and base transmitters with an averaged duty cycle of 50 % due to the TDD (Time Division Duplex) mode of operation. The measurements performed by Compatible Electronics were reported as 15dBm being the largest value, so we cannot respond as to why the power was listed on the grant as 11.5dBm (14 mW).

Concerning the RF Safety Requirements, with the antenna gains of 2.5dBi for the handset, and 5.3dBi for the base unit, it is our confident belief that ERP (Effective Radiated Power) would be much below the level of concern for RF exposure.

Thank you for your consideration in this matter. Please let me know if you have any questions or if you require further information.

Regards,

James R. Haynes

Vice President, Engineering and Regulatory Affairs

Paris
Tokyo
Sydney
Auckland

Manila
Beijing
Taipei
Hong Kong

Milan
Düsseldorf
London
Tong Mei