

A H D LC

EMC Testing/Engineering Services



NVLAP ACCREDITED
NARTE Certified Engineer
Professional Engineer

Federal Communications Commission

Equipment Approval Services, P.O. Box 358315
Pittsburgh, PA 15251-5315
Attention : Authorization & Evaluation Division

Re: Application for Certification of Fleetwood Group Inc. Transceiver
under 47CFR 15.249.
FCC ID: **FBRIQB500-9XX**

Gentlemen:

On behalf of the applicant, Fleetwood Group Inc., please find attached the submittal materials for certification of the "Reply IQ Base Transceiver", Model **IQB500**. This product, a part of Fleetwood Group's audience interaction technology, operates within the 902-928MHz frequency band.

The complete List of the Exhibits in this submittal package appears on Page 2 of this cover letter.

Fleetwood Group Inc. has invested considerable resources into developing this product series. Pursuant to 47CRF 0.459, the Fleetwood Group requests that the Circuit Block Diagrams, Theory/Description of Operation, and Schematics be held confidential. A formal letter addressing this request is reproduced in the file: IQB500_Request.pdf.

The Federal Communications Commission will be notified, in writing, of any changes in the software/programming of the device that could affect the device's RF characteristics.

Your prompt consideration of this application for product certification will be greatly appreciated. Should you have any questions regarding the content of this report, kindly contact me.

Sincerely,

Ted Chaffee,
Technical Lab Manager
Narte Certified Engineer, #EMC-002025-NE
tel/fax: 616. 424.7014
email: tchaffee@ahde.com, or ahd@locallink.net

Table of Contents

Cover Letter / Table of Contents		Total Pages 2
EXHIBIT A:		
ID Label / Location [2.925,2.926,2.1033(b2,7),15.19(a3)]		
IQB500_Label.pdf		Total Pages 1
EXHIBIT B:		
Description of Product [2.1033(b6)]		
Circuit Block Diagram [2.1033(b5)]		
Description of Operation [2.1033(b4)]		
IQB500_TechDesc.pdf		Total Pages 7
Schematic [2.1033(b5)]	Base – 2 pages, Xemics Module – 1 page	
IQB500_Schem.pdf		Total Pages 3
EXHIBIT C:		
Product photos [2.1033(b7)]		
Printed Circuit Board views – 2 photos; Exterior views – 2 photos;		
Interior views – 2 photos;		
IQB500_Photos.pdf		Total Pages 2
Phihong Power supply – top view	EXC_Pwrsupplytop.jpg	Total Pages 1
Phihong Power supply – bottom view	EXC_Pwrsupplybtm.jpg	Total Pages 1
EXHIBIT D:		
User's Manual	IQB500_Manual.pdf	Total Pages 3
EXHIBIT E:		
Setup photos [2.1033(b8)]	Seven photos	Total Pages 8
EXE_prestest.jpg, EXE_LCIfrnt.jpg, EXE_LCIrear.jpg, EXE_RadfrntV.jpg,		
EXE_RadfrntH.jpg, EXE_Radrear, EXE_RadHi.jpg		
Report of Measurements [2.1033(b6)]		Total Pages 24
Table of Contents	Page 2	
Manufacturer/Applicant [2.1033(b1)]	Page 4	
Measurement/Test Facility & Equipment	Page 4	
Configuration/Setup [2.1033(b8)]	Page 5	
Test Standards / Methods Used [2.1033(b6)]	Page 8	
Test Methodology [2.1033(b6)]	Page 8	
Test Data [2.1033(b6)]		
Summary of Results	Page 6	
Bandedge	Page 13	
Line Conducted [15.207a]	Page 15	
Radiated Field Strength [15.249]	Page 17	
Misc. EXHIBIT:		
RF Exposure Information [2.1093(c)]		Total Pages 1