



Raymarine plc
Anchorage Park
Portsmouth
Hampshire PO3 5TD
England
+44 (0)23 9269 3611
+44 (0)23 9269 4642 (fax)
www.raymarine.com

Telecommunication Certification Body
BABT
Balfour House
Churchfield Road
Walton on Thames
Surrey KT12 2TD

Wednesday, 30 January 2008

Attention: Mr Alan Binks

Dear Sir,

Application for Grant of FCC Equipment Authorization

Please find enclosed a CD ROM that contains the Application Forms and Exhibits from Raymarine for our new 12kW Digital Open Array Radar Scanner.

The design is similar to the 4kW Digital Open Array Radar that BABT approved in September 2007. The differences are new Mod/PSU board, new magnetron and only a super high definition (SHD) variant. The FCC ID for this product is PJ5-DP12KW.

Under normal circumstances Raymarine Open Array Radars are available with either 4ft or 6ft antennas, this application is for the 4ft antenna only and a application for 6ft will follow at a later date.

There is a separate power module, which converts the vessels 12 or 24V dc supply to the 42V dc needed by the scanner. Both models are intended to operate with our E-Series or G-series networked multifunction display units. These displays do not form part of this application for Equipment Authorization, though information explaining connection and operation is included.

The hardware and software is the subject of patent applications and we therefore request maximum confidentiality in all matters relating to this application.

Part numbers for the Voltage Conversion Module and for the radar scanners with and without an open array antenna are given below:

- Raymarine 12kW SHD Digital Open Array Scanner E52069**
- Raymarine 12kW SHD Digital Open Array Scanner with 48" Antenna..... RA1048HD**
- Raymarine Voltage Conversion Module VCM100..... E52091**

The information on the CD ROM has been organized as Exhibits containing:

- Circuits and Interconnections
- External Photographs
- BAPT 731 Application Form
- Internal Photographs
- Label Details
- Parts List
- RF Exposure Statement
- Test Reports, which include Test Setup Photographs
- Manuals
- Technical Description including Block Diagram
- Tune-Up Statement
- Request for Confidentiality
- Application Letter (this letter)

Please note that these applications are made under FRN **0013-3487-27**.

I believe the information provided should meet your requirements, but if you need any further information or clarification, please do not hesitate to contact myself or Peter Bowen

Yours Faithfully



Andrew Little BEng (Hons), MIEE, CEng
Senior Compliance Engineer