

Raymarine UK Ltd  
Marine House  
Cartwright Drive  
Segensworth  
Fareham  
PO15 5RJ

22<sup>nd</sup> March 2017

TIMCO ENGINEERING INC.  
TCB and FCB Approvals  
849 NW State Road 45  
Newberry, Florida 32669

Dear Sir

**Subject: FCC and ISEDC class 2 permissive change for Raymarine Quantum solid state radar, FCC:PJ5-QUANTUM and IC:4069B-QUANTUM**

Please find enclosed the FCC and ISEDCs application for the new Raymarine solid state radars. The intended use is on non-IMO leisure craft and small workboats.

The original Q24 radar, part number E70210, radar contains three transmitters, two Wi-Fi modules and the radar transmitter.

The new radar, Q24D, part number E70498 is based on the original E70210 radar. All the RF circuitry is unchanged, Doppler processing has been added, and the PRF has been increased at short ranges, the peak power and maximum average power is unchanged.

To enable the processing of the doppler the processor has been updated to a faster model with additional memory.

If you have any queries regarding the application, please contact myself or Mike Thompson on the following:

Andy Little                      [andy.little@raymarine.com](mailto:andy.little@raymarine.com)    01329 246897                      07710 320736

Mike Thompson                [michael.thompson@raymarine.com](mailto:michael.thompson@raymarine.com)    01329 246700

Yours faithfully,



Andrew Little BEng (Hons) CEng MIET MIEEEE,  
Compliance Manager.  
Raymarine Limited.