



Ref: US000159

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To FCC

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## **Overall Assessment Letter for the Standard Communications Pty Class D DSC VHF Radio**

**FCC id: TXJGX600D**

I have assessed the above referenced submission for the GX600D and found it to be compliant. The product is a VHF marine radio which incorporates Class "D" Digital Selective Calling.

The following points were noted during the evaluation:-

### **1. FCC Part 80**

The grantee has declared compliance with the following FCC regulations:-

- Part 80.203 (b), (c) and (n)
- Part 80.207 (a), (b) and (d)
- Part 80.225 (a) and (c)

### **2. Exhibit 01 Label**

The original label did not include the required part 15 compliance wording. A replacement label was subsequently submitted.

### **3. Exhibit 06 Technical Report**

The test report did not list the location or measurement facilities, this was revised and a new issue of the report provided.

### **4. Exhibit 07 Test set-up photos**

The test set-up photos did not adequately show the test configuration therefore supplementary diagrams had to be provided by the test house.

## 5. Exhibit 11 RF Exposure

The manufacturer's RF exposure calculations were insufficient and therefore were replaced by a further laboratory report.

## 6. RF Exposure General

The equipment subject to RF exposure assessment is a Fixed Mount VHF radio model GX600D and was based upon the following criteria:-

- The Fixed Mount VHF radio operates in the frequency range of 156.025 MHz to 157.425 MHz, the numeric gain of the antenna is 1.622.
- The maximum length of the general VHF antenna is declared to be 82 centimetres.
- The radio has a maximum output power of 25 Watts
- The point of investigation is calculated to be 1.5 metre with an assumed maximum antenna gain of 2.1 dBi

The calculations have shown that the radio meets the General and Occupational limits shown in the FCC 47 CFR § 1.1310 Guidelines.

I underwent the FCC RF exposure evaluation training at BABT in May 2006 and July 2007.

Yours sincerely

A handwritten signature in blue ink that reads "T. J. Twynam". The signature is written in a cursive style with a large, stylized 'T' and 'J'.

Tom Twynam  
Technical Certifier  
For BABT TCB