

**Description of EUT Operation:**

Sample Description: Malibu Boats  
Vehicle (49.860MHz Receiver)

FCC ID (if applicable): **SZ23267R49**

The Equipment-Under-Test (EUT) is a Super-regenerative Receiver for a remote controlled toy operating at 49.860MHz. The EUT is powered by 6X1.5V "AA" batteries. The EUT can be controlled in four moving directions (forward/backward and left/right turn). The brief circuit description is listed as follows:

- Q15 and associated circuit act as a RF amplifier.
- Q16, 17, 20, 21, 22, 23 and associated circuit act as a steering motor driver.
- Q18, 19, 24, 25, 26, 27 and associated circuit act as a racing motor driver.
- U1 and associated circuit act as decode IC.
- D2, Q2 and associated circuit act as power Regulator circuit to supply the 2.7V power for pre-amp circuit and decode IC.