

## Technical Description

The Equipment Under Test (EUT), is a portable 2.4GHz pure transmit controller (Controller Unit) for a RC car. The operation frequency range is between 2405MHz and 2475MHz with 76 channels. The channels are separated by 1 MHz channel spacing.

The EUT is powered by 3 x 1.5V AA batteries.

After switch on the EUT, the car will be moved forward or backward, turned left or right based on the switches pressed in the controller.

For FCC, the Models: AD17980, 0006119964, 196045, 904204 and 930773 are the same as the Model: 84490 in hardware aspect. The difference in model number serves as marketing strategy. The models are different in non-conductive outer casing only.

Antenna Type: Internal, Integral

For electronic filing, the brief circuit description is saved with filename: descri.pdf.

The brief circuit description is listed as below:

- 1) IC1 acts as a MCU and RFIC (2.4GT).
- 2) X (12MHz) acts as an oscillator.
- 3) IC2 acts as a voltage regulator (3V3).

Antenna Type: Internal antenna

Antenna Gain: 0dBi

Nominal rated field strength is 96.8 dB $\mu$ V/m at 3m

Maximum allowed production tolerance: +/- 3dB