

1.2 Operational Descriptions

1.2.1 Product Descriptions

The equipment under test (EUT) is a slot car track which is a radio control transmitter operating at 2.4GHz. The EUT is powered by AC/DC power adaptor only. It is part of a system which is used to control up to three cars in a digital slotcar racing environment. The system consists of a track and 3 hand throttle controllers for total of 3 players.

The receiver gets the desired power stage from the hand throttles. It generates a proprietary digital Signal to drive the cars on the track over Mos-Fets. Energy and data are transmitted in common over 2 wires.

Ratings and System Details

	Transmitter
Frequency range	: 2410-2472 MHz
Number of channels	: 32
Channel Frequency	: 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2424, 2426, 2428, 2430, 2432, 2434, 2436, 2438, 2440, 2442, 2444, 2446, 2448, 2450, 2452, 2454, 2456, 2458, 2460, 2462, 2464, 2466, 2468, 2470, 2472
Type of modulation	GFSK
Power supply	: 14.8V DC from AC/DC adaptor
Ports	: 1 x DC power input port 3 x DC power charging port for hand throttles