

FCC ID: P25HEMC8256A2501R

Operation Description:

The equipment under test (EUT) is a transmitter for Remote Control For Playstation 2 operating at 902.200 MHz which is controlled by a crystal. The EUT is powered by the Playstation 2. The Power to Sakura Base is derived from the PS2 console. The 8V line from the PS2 console (at PS2 Connector), is regulated by VR201 voltage regulator and supplied to the Base circuit (VCCRF). The Digital Communication signals between PS2 console and Base is via 5 wire serial interface. The MCU, U201 receives the information from PS2 and is send to the RF IC, U301. This data is modulated on an RF carrier and will be radiated through the Antenna. The signals from the controller is received at the antenna and fed to U301 and demodulated Data is send to U201. U201 in-turn send this data to PS2 console via the Serial data communication link. SW201, Sync button is used to synchronize the Base and the Controller.

Circuit Description:

The brief circuit description is listed as follows:

- VR201 and associated circuit act as Voltage Regulator.
- U202 and associated circuit act as EEPROM.
- U201 and associated circuit act as MCU.
- U301, X301 and associated circuit act as RF IC and Local Oscillator.
- U302 and associated circuit act as RF Duplexer.

Antenna Used:

A permanent internal wire antenna has been used.