

## Operational Description

The application equipment is joystick, FCC ID: K5MRF-520U27F, the components of EUT are one remote joystick transmitter and one receiver connected to PC with USB interface, the transmitting frequencies are two channels available 27.145MHz and 27.045MHz, frequency error  $\pm 50$  ppm ( $-10 \sim +50$  ), the RF output power of joystick transmitter is under 60 dBuV/M @3M. The specification detail description listed as following table:

	Parameter	Description
T X	1. Number of Channer	Dual Channels (27.045&27.145MHz)
	2. Modulation Type	F3E (Deviation $\pm 4$ KHz)
	3. Frequency Error	$\pm 50$ ppm ( $-10 \sim +50$ )
	4. Current Consumption	7mA @ 3V
	5. PCB Outline Dimension	13cm x 5.5cm x 0.2cm
	6. RF Output Power	Under 60 dBuV/M @3M
	7. Voltage	DC 2.2 ~ 3.3V
R X	1. Number of Channel	Dual Channels (27.045&27.145MHz)
	2. Conversion Type	Single Conversion (Superhertrodyne)
	3. Data Rate	1.6k bps (Manchester Code)
	4. Voltage	DC 5V
	5. PCB Outline Dimension	4.5cm x 4.5cm x 0.15cm
	6. Current Consumption	5mA
	7. Sensitivity	20uV (-80 dbm)