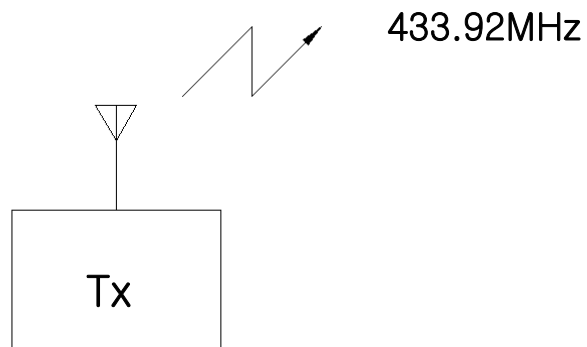


APPENDIX J  
: OPERATIONAL DESCRIPTION

## OPERATION DESCRIPTION

- . This document specifies a RF Transmitter for OHSUNG Remote Controller
- . Tx Frequency Range :  $433.92\text{MHz} \pm 0.5\text{MHz}$
- . Tx Output power Level :  $-28\text{dBm}$



1. The transmitting data is coming through pin 6 of IC1.
2. Tx data will turns on and off crystal for Amplitude Shift Key.
3. X1 is crystal.
4. The frequency of this system is 433.92MHz.
5. Device Description

Name	Description	Part No	Block
CAPACITOR	10uF	C1	POWER
CAPACITOR	1pF	C5	ANT MATCHING
CAPACITOR	OPEN	C8	ANT MATCHING
CAPACITOR	8.2pF	C10	ANT MATCHING
CAPACITOR	13pF	C12	X-TAL
CAPACITOR	13pF	C14	X-TAL
CAPACITOR	0.1uF	C15	DATA
CAPACITOR	13pF	C16	X-TAL
CAPACITOR	220pF	C18	POWER
CAPACITOR	0.1uF	C19	DATA
INDUCTOR	150nH	L1	ANT MATCHING
INDUCTOR	10nH	L2	ANT MATCHING
INDUCTOR	33nH	L3	ANT MATCHING
INDUCTOR	10nH	L4	ANT MATCHING
RESISTOR	2K $\Omega$	R1	ANT MATCHING
RESISTOR	100K $\Omega$	R2	DATA
RESISTOR	1K $\Omega$	R3	DATA
RESISTOR	1K $\Omega$	R4	DATA
RESISTOR	10K $\Omega$	R5	DATA
RESISTOR	1M $\Omega$	R6	X-TAL
RESISTOR	0 $\Omega$	R8	DATA
OSCILLATOR	13.560MHz	X1	X-TAL
DIODE	KDS160	D1	DATA
IC	MAX7044	IC1	MODULATOR
IC	SN74AC00PWR	IC2	DATA
CONNECTOR	SM2.0-M-5SSG	CON1	CON
ANT	AHS-B0804S	ANT	ANT