TN7700YH CIRCUIT EXPLANATION

(FCC ID:CVTTN7700YH)

1)TR1 forms the power circuit.

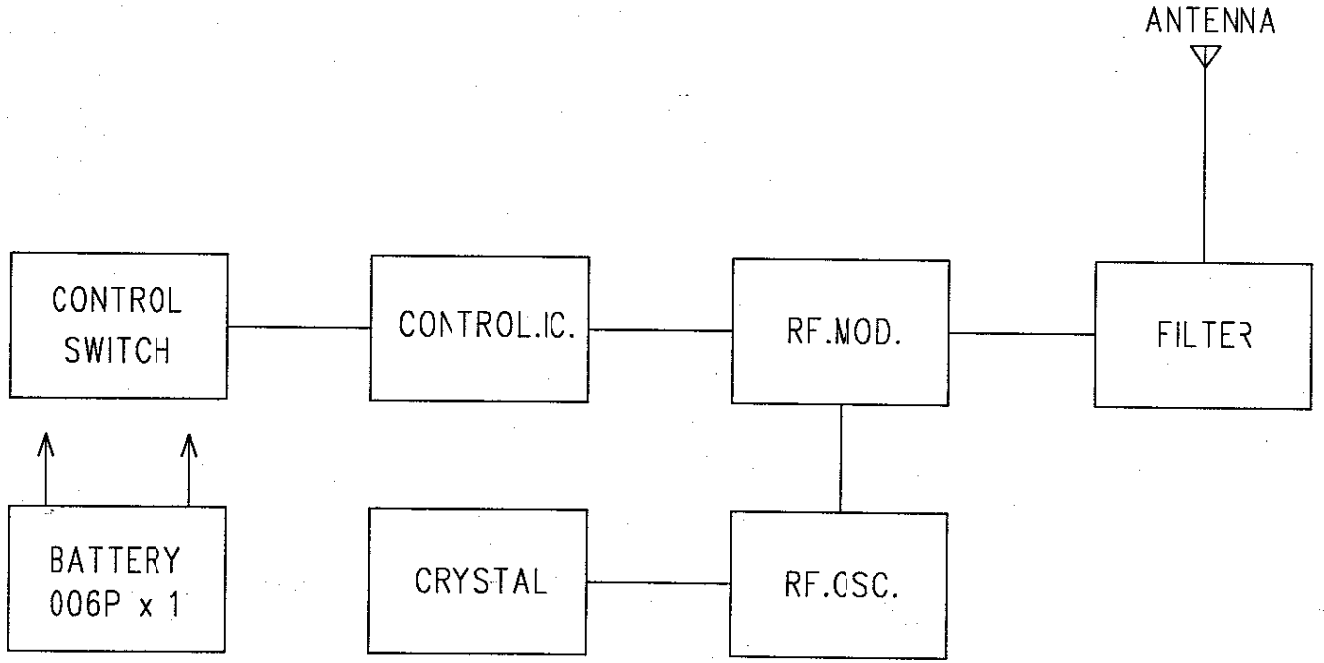
2)The power circuit status to operate when SW2 is turn ON.

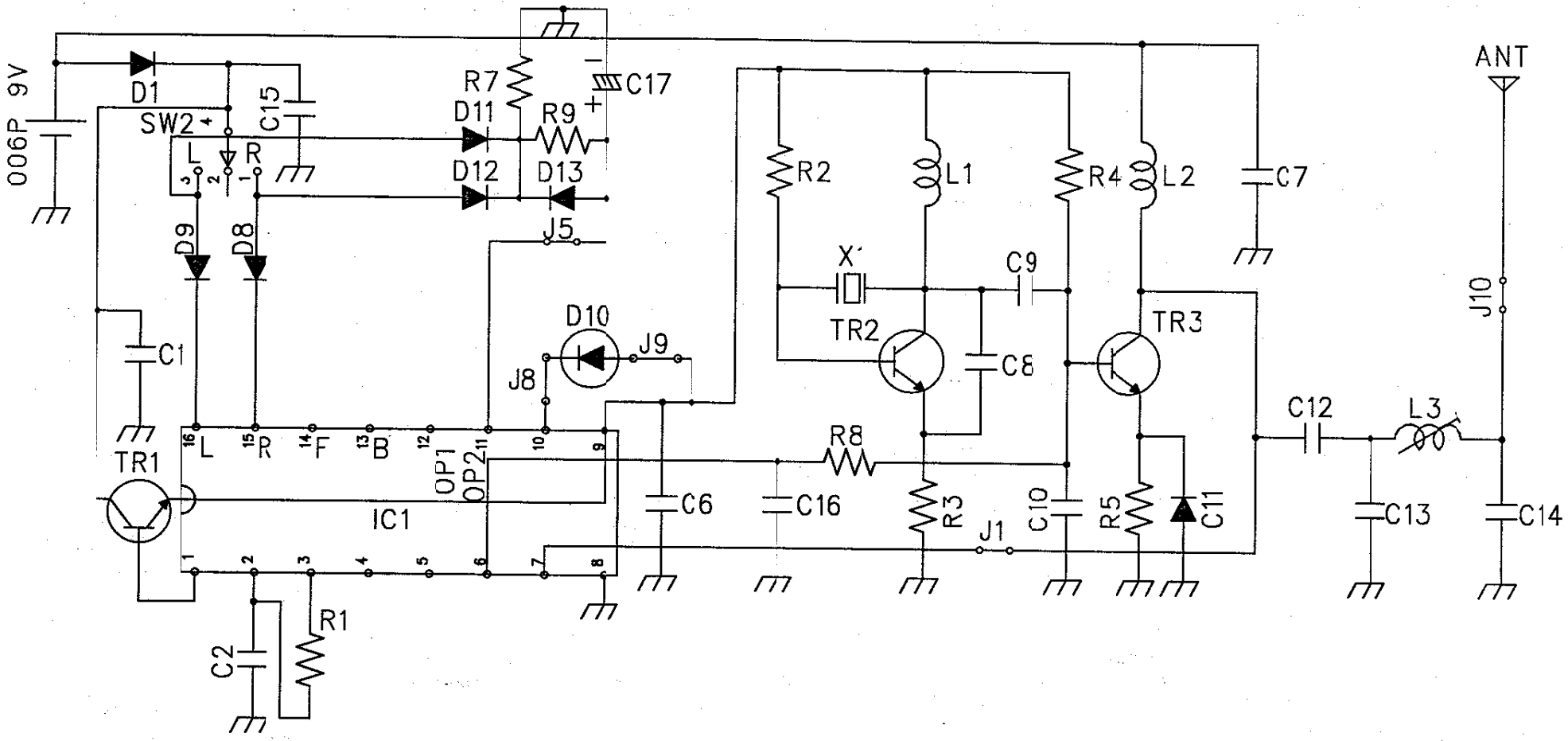
3)TR2 and TR3 forms the Radio Frequency oscillator.

4)The Amplitude Modulation of the Radio Frequency is performed in TR3 by placing the waves on Audio Frequency.

5)AM. waves are output into the collector of TR3,passed through the filter, and is transmitted from the Antenna.

PCB:NO.TN7700Y TRANSMITTER BLOCK DAGRAM





NO.TN7700Y
CIRCUIT DIAGRAM

NO. TN7700Y LIST

49MHz

NO.	DESCRIPTION	CODE	PARTS NAME	NOTE
1	I.C.	IC 1	NT9601	
2	TRANSISTOR	TR 1	2SC945Q or equivalent	
3		TR 2	2SC945Q or equivalent	
4		TR 3	2SC945Q or equivalent	
5	DIODE	D 1	1SS133 or equivalent	
6		D 6	-	
7		D 7	-	
8		D 8	0 ohm	
9		D 9	0 ohm	
10		D10	LED:D5mm	
11		D11	1SS133 or equivalent	
12		D12	1SS133 or equivalent	
13		D13	1SS133 or equivalent	
14		R 1	6.8K	
15		R 2	120K	
16		R 3	100	
17		R 4	22K	
18		R 5	100	
19		R 7	6.8K	
20		R 8	100	
21		R 9	120K	
22	CAPACITOR	C 1	103(C)	
23		C 2	102J(M)	
24		C 6	103(C)	
25		C 7	103(C)	
26		C 8	22p(C)	
27		C 9	5p(C)	
28		C10	-	
29		C11	103(C)	
30		C12	22p(C)	
31		C13	47p(C)	
32		C14	5p(C)	
33		C15	103(C)	
34		C17	10(E)	
35	INDUCTOR	L 1	SP 1uH	
36		L 2	SP 1uH	
37		L 3	8.5T	
38	JUMPER	J 5	0 ohm	
39		J 8	0 ohm	
40		J 9	0 ohm	
41		J10	0 ohm	
42		J11	0 ohm(Between IC12P-13P)	
43	EXTRA PARTS	EP 1	X1:49.860MHz	
44		EP 2	ANTENNA FITTING:ST-45type	
45		EP 3	SUB PCB:NO.S2 x 2	
46		EP 4	MAIN PCB:NO.TN7700	

RESISTOR:[1/6W,+-5%]　　INDUCTOR:[100mA,+-10%]

CAPACITOR:(C)=CERAMIC[50WV,+80-20%]

:(M)=MYLAR[50WV,No mark(K-rank):+-10%,J-rank:+-5%]

:(E)=ELECTROLYTIC[16WV,+-20%],(NP)=Non Pole ELECTROLYTIC

:(T)-TANTALUM[35WV,+-10%]