



frequency modulation. Besides, the signal through Q12 and Q11 is sent to MCU for controlling.

5. MCU

MCU is the key part circuit of the whole apparatus, which consists of QU54, IC16 and X1(16MHz), and the MCU separately control PLL FREQUENCY SYNTHESIZER , function key(S1,S2,S3,S4) and LCD1 function display, RF transmit (Q17,Q8,Q10,Q14,Q9,Q16)and function adjustment.

6. VCO and PLL FREQUENCY SYNTHESIZER

VCO circuit is made up of Q4 and Q6, which modulate the signal came from STEREO MODULATOR. Then the signal output to RF amplifier circuit.

PLL FREQUENCY SYNTHESIZER circuit is made up of IC3 and peripheral circuit and in charge of controlling the VCO frequency stability

7. RF amplifier

RF amplifier circuit is made up of Q5, Q7, TR2, TR4 etc. It amplifies the RF signal and output to antenna.

8. DC power switch and Supply power circuit

Set up the DC power switch to ON or OFF. The whole apparatus power supply is through Q1, Q2, Q3 delaying then to TR5, IC14, IC15 to supply +8V and +5V for the whole apparatus separately.