

Circuit Description

The **38KHZ** crystal oscillator drives the base of **IC701 (OVC3860)** .

The modulation provided by **IC701 (OVC3860)** .

Antenna, Ground and Power Source

The antenna consists of a **TNC antenna**.

Operation Descriptions

The transmitter is a **RADIO** operating at **469-489MHz** band. The transmitter is powered

Communication Type	Voice / Tone only
Modulation	FM
Emission Type	F3E
Emission Designator	121K4F3E (2M+2DK, M=12, D=48.72, K=1, Necessary Bandwidth = 121.44 KHz)
Emission Bandwidth	146.80 KHz
Peak Frequency Deviation	48.72KHz
Audio Frequency Deviation	12 KHz
Maximum Output Power	6.14dBmW
Output Power Modification	Fixed can't be changed
Antenna Designation	TNC type ANT,1.5dbi
Power Supply	AC 120V/60Hz by adapter
Operation Frequency Range and Channel	Frequency Range: 469-489MHz
	Channels number:16
	1. 469.975MHz 9. 477.325MHz 2. 471.025MHz 10. 478.525MHz 3. 472.300MHz 11. 479.875MHz 4. 472.975MHz 12. 481.900MHz 5. 473.725MHz 13. 483.775MHz 6. 474.550MHz 14. 485.125MHz 7. 475.450MHz 15. 486.625MHz 8. 476.275MHz 16. 488.950MHz
Frequency Tolerance	0.00196%