

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															
	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">1. 469.975MHz</td> <td style="width: 50%;">9. 477.325MHz</td> </tr> <tr> <td>2. 471.025MHz</td> <td>10. 478.525MHz</td> </tr> <tr> <td>3. 472.300MHz</td> <td>11. 479.875MHz</td> </tr> <tr> <td>4. 472.975MHz</td> <td>12. 481.900MHz</td> </tr> <tr> <td>5. 473.725MHz</td> <td>13. 483.775MHz</td> </tr> <tr> <td>6. 474.550MHz</td> <td>14. 485.125MHz</td> </tr> <tr> <td>7. 475.450MHz</td> <td>15. 486.625MHz</td> </tr> <tr> <td>8. 476.275MHz</td> <td>16. 488.950MHz</td> </tr> </table>	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
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Frequency Tolerance	0.00196%															