

Technical Description:

The brief circuit description is listed as follows:

- ANT acts as receive antenna.
- FL1 acts as Band Pass Filter.
- Q1 and associated circuit act as Low Noise Amplifier.
- DR1, Q3 and associated circuit act as 1st Local Oscillator.
- Q2 and associated circuit act as 1st MIXER.
- U1 and associated circuit act as 2nd MIXER and FM Discriminator.
- U6 and associated circuit act as MCU, there will be 30 different procedures in the MCU in the progress of manufacture, which decides 30 group frequency channels.
- U5, Q6 and associated circuit act as PLL.
- U2 and associated circuit act as volume control circuit.
- U3 and associated circuit act as audio amplifier circuit.

Antenna type: Integral Antenna was used.

Modulation Type: Frequency Modulation

Frequency Table (MHz):

EJ-7T 96ch

| CH | FREQ. | | | | |
|----|---------|----|---------|----|---------|
| 1 | 640.100 | 33 | 640.400 | 65 | 640.600 |
| 2 | 641.600 | 34 | 641.900 | 66 | 642.100 |
| 3 | 643.100 | 35 | 643.300 | 67 | 643.500 |
| 4 | 644.500 | 36 | 644.800 | 68 | 645.000 |
| 5 | 646.100 | 37 | 646.400 | 69 | 646.600 |
| 6 | 647.600 | 38 | 647.900 | 70 | 648.100 |
| 7 | 649.100 | 39 | 649.300 | 71 | 649.500 |
| 8 | 650.500 | 40 | 650.800 | 72 | 651.000 |
| 9 | 651.700 | 41 | 652.100 | 73 | 652.300 |
| 10 | 653.300 | 42 | 653.600 | 74 | 653.800 |
| 11 | 655.200 | 43 | 655.500 | 75 | 655.700 |
| 12 | 656.700 | 44 | 657.000 | 76 | 657.200 |
| 13 | 658.200 | 45 | 658.400 | 77 | 658.600 |
| 14 | 659.600 | 46 | 659.900 | 78 | 660.100 |
| 15 | 661.200 | 47 | 661.500 | 79 | 661.700 |
| 16 | 662.700 | 48 | 662.900 | 80 | 663.100 |
| 17 | 640.900 | 49 | 641.100 | 81 | 641.400 |
| 18 | 642.400 | 50 | 642.600 | 82 | 642.900 |
| 19 | 643.800 | 51 | 644.000 | 83 | 644.300 |
| 20 | 645.300 | 52 | 645.500 | 84 | 645.800 |
| 21 | 646.900 | 53 | 647.100 | 85 | 647.400 |
| 22 | 648.400 | 54 | 648.600 | 86 | 648.900 |
| 23 | 649.800 | 55 | 650.000 | 87 | 650.300 |
| 24 | 651.300 | 56 | 651.500 | 88 | 651.900 |
| 25 | 652.600 | 57 | 652.800 | 89 | 653.100 |
| 26 | 654.100 | 58 | 654.300 | 90 | 654.600 |
| 27 | 656.000 | 59 | 656.200 | 91 | 656.500 |
| 28 | 657.500 | 60 | 657.700 | 92 | 658.000 |
| 29 | 658.900 | 61 | 659.100 | 93 | 659.400 |
| 30 | 660.400 | 62 | 660.600 | 94 | 660.900 |
| 31 | 662.000 | 63 | 662.200 | 95 | 662.500 |
| 32 | 663.400 | 64 | 663.600 | 96 | 663.900 |

Channel group:

| BAND 1 | | | BAND 2 | | | BAND 3 | | |
|--------|---------|----|--------|---------|----|--------|---------|----|
| TX | MHz | CH | TX | MHz | CH | TX | MHz | CH |
| 51 | 644.000 | 1 | 88 | 651.900 | 1 | 78 | 660.100 | 1 |
| 1 | 640.100 | 2 | 7 | 649.100 | 2 | 12 | 656.700 | 2 |
| 2 | 641.600 | 3 | 8 | 650.500 | 3 | 13 | 658.200 | 3 |
| 3 | 643.100 | 4 | 9 | 651.700 | 4 | 14 | 659.600 | 4 |
| | | | | | | | | |
| 51 | 644.000 | 1 | 88 | 651.900 | 1 | 78 | 660.100 | 1 |
| 4 | 644.500 | 2 | 25 | 652.600 | 2 | 15 | 661.200 | 2 |
| 5 | 646.100 | 3 | 10 | 653.300 | 3 | 16 | 662.700 | 3 |
| 6 | 647.600 | 4 | 11 | 655.200 | 4 | 28 | 657.500 | 4 |
| | | | | | | | | |
| 51 | 644.000 | 1 | 88 | 651.900 | 1 | 78 | 660.100 | 1 |
| 17 | 640.900 | 2 | 22 | 648.400 | 2 | 29 | 658.900 | 2 |
| 18 | 642.400 | 3 | 23 | 649.800 | 3 | 30 | 660.400 | 3 |
| 19 | 643.800 | 4 | 24 | 651.300 | 4 | 31 | 662.000 | 4 |
| | | | | | | | | |
| 51 | 644.000 | 1 | 88 | 651.900 | 1 | 78 | 660.100 | 1 |
| 20 | 645.300 | 2 | 42 | 653.600 | 2 | 44 | 657.000 | 2 |
| 21 | 646.900 | 3 | 26 | 654.100 | 3 | 45 | 658.400 | 3 |
| 85 | 647.400 | 4 | 27 | 656.000 | 4 | 46 | 659.900 | 4 |
| | | | | | | | | |
| 51 | 644.000 | 1 | 88 | 651.900 | 1 | 78 | 660.100 | 1 |
| 34 | 641.900 | 2 | 39 | 649.300 | 2 | 32 | 663.400 | 2 |
| 35 | 643.300 | 3 | 40 | 650.800 | 3 | 47 | 661.500 | 3 |
| 36 | 644.800 | 4 | 41 | 652.100 | 4 | 48 | 662.900 | 4 |
| | | | | | | | | |
| 51 | 644.000 | 1 | 88 | 651.900 | 1 | 78 | 660.100 | 1 |
| 37 | 646.400 | 2 | 89 | 653.100 | 2 | 59 | 656.200 | 2 |
| 38 | 647.900 | 3 | 90 | 654.600 | 3 | 60 | 657.700 | 3 |
| 53 | 647.100 | 4 | 43 | 655.500 | 4 | 61 | 659.100 | 4 |
| | | | | | | | | |
| 51 | 644.000 | 1 | 88 | 651.900 | 1 | 78 | 660.100 | 1 |
| 50 | 642.600 | 2 | 56 | 651.500 | 2 | 62 | 660.600 | 2 |
| 81 | 641.400 | 3 | 57 | 652.800 | 3 | 63 | 662.200 | 3 |
| 49 | 641.100 | 4 | 58 | 654.300 | 4 | 64 | 663.600 | 4 |
| | | | | | | | | |
| 51 | 644.000 | 1 | 88 | 651.900 | 1 | 78 | 660.100 | 1 |
| 65 | 640.600 | 2 | 70 | 648.100 | 2 | 76 | 657.200 | 2 |
| 66 | 642.100 | 3 | 71 | 649.500 | 3 | 77 | 658.600 | 3 |
| 67 | 643.500 | 4 | 72 | 651.000 | 4 | 79 | 661.700 | 4 |
| | | | | | | | | |
| 51 | 644.000 | 1 | 88 | 651.900 | 1 | 78 | 660.100 | 1 |
| 68 | 645.000 | 2 | 73 | 652.300 | 2 | 91 | 656.500 | 2 |
| 69 | 646.600 | 3 | 74 | 653.800 | 3 | 92 | 658.000 | 3 |
| 52 | 645.500 | 4 | 75 | 655.700 | 4 | 93 | 659.400 | 4 |
| | | | | | | | | |
| 51 | 644.000 | 1 | 88 | 651.900 | 1 | 78 | 660.100 | 1 |
| 82 | 642.900 | 2 | 86 | 648.900 | 2 | 94 | 660.900 | 2 |
| 83 | 644.300 | 3 | 87 | 650.300 | 3 | 95 | 662.500 | 3 |
| 84 | 645.800 | 4 | 55 | 650.000 | 4 | 96 | 663.900 | 4 |