

## Common Section

| Item                        | Condition   | Measurement        |           | Adjustment |        | Specifications/<br>Remark |
|-----------------------------|---|--------------------|-----------|------------|--------|---------------------------|
|                             |   | Test equipment     | Terminal  | Parts      | Method |                           |
| 1.Setting                   | 1) BATT terminal vottage:7.4V<br>2) SSG standard modulation<br>[Wide] MOD:1kHz,DEV:3kHz<br>[Narrow] MOD:1kHz,DEV:1.5kHz |                    |           |            |        |                           |
| 2.VCO lock<br>voltage<br>RX | 1) CH:High  | Power meter<br>DVM | ANT<br>CV | C117       | 4.0V   | ±0.2V                     |
|                             | 2) CH:Low   |                    |           |            | Check  | 0.5V or more              |
| 3.VCO lock<br>voltage<br>TX | 3) CH:High<br>PTT:ON  |                    |           | C52        | 4.0V   | ±0.2V                     |
|                             | 4) CH:Low<br>PTT:ON   |                    |           |            | Check  | 0.5V or more              |

## Transmitter Section

| Item                                | Condition   | Measurement   |                         | Adjustment |   | Specifications/<br>Remark                 |
|-------------------------------------|---|---|-------------------------|------------|---|---|
|                                     |   | Test equipment  | Terminal                | Parts      | Method                                    |   |
| 1.Frequency<br>Adjust               | 1) CH:High<br>2) PTT:ON   | Frequency counter   | ANT                     |            | 485.025MHz                                | ±100Hz                                    |
| 2.High power<br>Adjust              | TEST CH: Low<br>Low'<br>Center<br>High'<br>High<br>(5 points)<br>BATT terminal voltage:7.4V<br>PTT:ON                     | Power meter<br>Ammete   |                         |            |   | 4W±0.5W<br>1.8A or less                   |
| 3.Low power<br>Adjust               | TEST CH: Low<br>Low'<br>Center<br>High'<br>High<br>(5 points)<br>BATT terminal voltage:7.4V<br>PTT:ON                     |   |                         |            |   | 0.6W±0.2W<br>0.9A or less                 |
| 4.Max deviation<br>Adjust<br>[Wide] | TEST CH: Center<br>Low<br>High<br>(3 points)<br>AG:1kHz/150mV<br>Deviation meter filter<br>LPT:15kHz<br>HPF:OFF<br>PTT:ON | Power meter<br>Deviation meter<br>Oscilloscope<br>AG<br>AF VTVM | ANT<br>SP/MIC connector | VR2        | 4.0kHz<br>(According to<br>the lager +,-) | ±400Hz                                    |
|                                     | [Narrow]  |   |                         |            | TEST CH: Center<br>PTT:ON                 | 2.0kHz<br>(According to<br>the lager +,-) |

| Item                                 | Condition   | Measurement    |          | Adjustment |  | Specifications/<br>Remark |
|--------------------------------------|---|----------------|----------|------------|--|---------------------------|
|                                      |   | Test equipment | Terminal | Parts      | Method                                       |                           |
| 6.DQT<br>Balance Adjust<br>[Wide]    | TEST CH: Center<br>Low<br>High<br>(3 points)<br>LPT:3kHz<br>HPF:OFF<br>PTT:ON |                | ANT      |            | Make the demodulation wave into square waves |                           |
| [Narrow]                             | TEST CH: Center<br>PTT:ON   |                |          |            |  |                           |
| 7.QT Deviation<br>Adjust<br>[Wide]   | TEST CH: Center<br>Low<br>High<br>(3 points)<br>LPT:3kHz<br>HPF:OFF<br>PTT:ON |                |          |            | 0.7kHz                                       | ±40Hz                     |
| [Narrow]                             | TEST CH: Center<br>PTT:ON   |                |          |            | 0.4kHz                                       | ±40Hz                     |
| 8.DQT Deviation<br>Adjust<br>[Wide]  | TEST CH: Center<br>Low<br>High<br>(3 points)<br>LPT:3kHz<br>HPF:OFF<br>PTT:ON |                |          |            | 0.7kHz                                       | ±40Hz                     |
| [Narrow]                             | TEST CH: Center<br>PTT:ON   |                |          |            | 0.40kHz                                      | ±40Hz                     |
| 9.DTMF Deviation<br>Adjust<br>[Wide] | TEST CH: Center<br>LPT:15kHz<br>HPF:OFF<br>PTT:ON                             |                |          |            | 3.0kHz                                       | ±100Hz                    |
| [Narrow]                             | TEST CH: Center<br>PTT:ON   |                |          |            | 1.5kHz                                       | ±100Hz                    |