

Issue	Y M D	Azden Adjustment Standard	Category								
Adjusted date	Y M D	33-537-01 (15XT) Adjustment Level	No.								
<p>Power requirement:3.0V±0.1V Used Channels and Frequencies on adjustment</p> <table border="1"> <thead> <tr> <th>Channel</th> <th>Freq</th> </tr> </thead> <tbody> <tr> <td>CH01</td> <td>566.250MHz</td> </tr> <tr> <td>CH47</td> <td>578.250MHz</td> </tr> <tr> <td>CH92</td> <td>589.750MHz</td> </tr> </tbody> </table> <ol style="list-style-type: none"> <li>1. Adjustment of VCO <ol style="list-style-type: none"> <li>1) Set frequency CH01</li> <li>2) Connect DC voltmeter to TP201</li> <li>3) Confirm DC meter indicates 1.2V</li> <li>4) Set the frequency to CH92 and confirm the voltage is 2.4V or less on DC voltmeter</li> </ol> </li> <li>2. Transmitting power adjustment <ol style="list-style-type: none"> <li>1) Set SW202 to CN203 side and connect Spectrum analyzer to C N203</li> <li>2) Adjust both cores of T200 so that level defference between CH01 and CH92 become to be the least.(Within 0.5dB)</li> <li>3) Connect power meter to CN203 and set the frequency to CH47</li> <li>4) Adjust VR202 so that power meter indicates 20mW</li> <li>5) Confirm the spurious to be “40dB or more” lower than the carrier frequency</li> </ol> </li> <li>3. Adjustment of transmitting frequency <ol style="list-style-type: none"> <li>1) Set to CH47</li> <li>2) Connect the frequency counter to CN203</li> <li>3) Adjust VC201 so that the frequency counter shows 578.250MHz ± 1kHz</li> </ol> </li> <li>4. Adjustment of AF modulation <ol style="list-style-type: none"> <li>1) Turn SW2 ON</li> <li>2) Connect oscillator output to TP10(AF),TP11(GND)</li> <li>3) Set the oscillator output power -60dBm(Frequency should be set to 1kHz)</li> <li>4) Connect AC voltmeter to TP100(Filter:OFF)</li> <li>5) Adjust VR100 so that AC voltmeter indicates -31dBm</li> <li>6) Connect FM Linear Detector to CN203 (LPF 20k ON)</li> <li>7) Adjust VR201 so that the modulation depth to be 5.0kHz ± 0.5kHz</li> </ol> </li> <li>5. Adjustment of Tone modulation <ol style="list-style-type: none"> <li>1) Turn SW2 OFF</li> <li>2) Connect FM Linear Detector to CN203 (LPF 120k ON)</li> <li>3) Adjust VR3 so that modulation depth to become within 3.2kHz ± 0.2kHz</li> <li>4) If the AF modulation degree changes through above 5-3) adjustment,again conduct the above clause 4-5)</li> <li>5) After that,turn SW202 to antenna side</li> </ol> </li> <li>6. Other confirming points <ol style="list-style-type: none"> <li>1) Set up receiver for communication check</li> <li>2) Send the audio for checking whether it operates correctly</li> <li>3) Make an impact on the body and check whether the unit does not show any abnormal sound</li> <li>4) Check the unit frequency range from 566.250 to 589.750MHz in 250kHz step</li> <li>5) Factory default condition - Power(SW3) : OFF, AUDIO(SW2) :OFF,Channel : 01</li> </ol> </li> </ol>				Channel	Freq	CH01	566.250MHz	CH47	578.250MHz	CH92	589.750MHz
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