

Issue	Y M D	Azden Adjustment Standard	Category	
Adjusted date	Y M D	33-529-05 (35BT) Adjustment Level	No.	
<p>1. Adjustment of VCO</p> <ol style="list-style-type: none"> <li>1) Set frequency CH30-01(566.125MHz)</li> <li>2) Connect DC voltage meter to TP1</li> <li>3) Confirm DC meter indicates 1.0V</li> <li>4) Set the frequency to CH33-47(589.875MHz) and confirm the voltage is 2.1V or less on DC voltage meter</li> </ol> <p>2. Transmitting power adjustment</p> <ol style="list-style-type: none"> <li>1) Set the frequency to CH32-01 not using antenna( SW300 set to CN side)</li> <li>2) Connect power meter to CN300</li> <li>4) Adjust VR300 so that power meter indicates 20mW _0</li> <li>3) Confirm the spurious to be “40dB or more” lower than the carrier frequency</li> </ol> <p>3. Adjustment of transmitting frequency</p> <ol style="list-style-type: none"> <li>1) Set to CH32-01(578.125MHz)</li> <li>2) Connect the frequency counter to CN300</li> <li>3) Adjust VC500 so that the frequency counter shows 578.125MHz plus-minus 1kHz</li> </ol> <p>4. Adjustment of AF modulation</p> <ol style="list-style-type: none"> <li>1) Connect oscillator output to L channel side of the microphone terminal ST jack (Through 10µF/16V electrolytic capacitor, Microphone terminal is plus)</li> <li>2) Set the oscillator output power -60dBm(Frequency should be set to 1kHz)</li> <li>3) Adjust VR1 so that TP4 AF level is set to -31dBm</li> <li>4) Adjust VR500 so that the modulation depth to be 5.0kHz plus-minus 0.5kHz</li> <li>5) Adjust VR100 so that AF level on LCD display shows one bar.</li> <li>6) Connect the oscillator output to R channel side of the Line terminal ST jack</li> <li>7) Confirm the input level shows -19dBm plus-minus 3dBm at 5kHz of modulation depth</li> </ol> <p>5. Adjustment of Tone modulation</p> <ol style="list-style-type: none"> <li>1) Turn TP6 mute terminal to Ground</li> <li>2) Adjust VR4 so that modulation depth to become within 3.2kHz plus-minus 0.2kHz</li> <li>3) Confirm tone frequency is 32.768kHz</li> <li>4) If the AF modulation degree changes through above 5-2) adjustment, again conduct the above clause 4-5)</li> <li>5) After that, turn SW2 to antenna side</li> </ol> <p>6. Display check procedure(Input voltage allowance range : plus-minus 0.1V)</p> <ol style="list-style-type: none"> <li>1) Make sure battery level shows all three bars at 2.4V input</li> <li>2) Make sure battery level shows two bars at 2.3V input</li> <li>3) Make sure battery level shows one bar at 2.15V input</li> <li>4) Make sure battery level blinks one bar at 2.0V input</li> </ol> <p>7. Other confirming points</p> <ol style="list-style-type: none"> <li>1) Set up receiver for communication check</li> <li>2) Connect lavalier microphone on transmitter and 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 566.125 to 589.875MHz in 125kHz step</li> <li>5) Factory default condition - Power : off, Channel : 30-01</li> </ol>				