

| Issue | Y M D | Azden Adjustment Standard | Category | |
|--|-------|-----------------------------------|----------|--|
| Adjusted date | Y M D | 33-532-03 (35HT) Adjustment Level | No. | |
| <p>1. Adjustment of VCO</p> <ol style="list-style-type: none"> 1) Set frequency CH30-01(566.125MHz) 2) Connect DC voltmeter to TP6 3) Confirm DC meter indicates 1.0V 4) Set the frequency to CH33-47(589.875MHz) and confirm the voltage is 2.1V or less on DC voltmeter <p>2. Transmitting power adjustment</p> <ol style="list-style-type: none"> 1) Set SW202 to CN203 side 2) Connect Spectrum analyzer to C N203 and set the frequency to CH30-01 3) Adjust both cores of T200 so that level difference between CH30-01 and CH33-47 become to be the least.(Within 1mW) 4) Connect power meter to CN203 and set the frequency to CH32-01(578.125MHz) 5) Adjust VR202 so that power meter indicates 20mW -0 6) Confirm the spurious to be "40dB or more" lower than the carrier frequency <p>3. Adjustment of transmitting frequency</p> <ol style="list-style-type: none"> 1) Set to CH32-01 2) Connect the frequency counter to CN203 3) Adjust VC1 so that the frequency counter shows 578.125MHz plus-minus 1kHz <p>4. Adjustment of AF modulation</p> <ol style="list-style-type: none"> 1) Connect oscillator output to CN1 2) Set the oscillator output power -66dBm(Frequency should be set to 1kHz) 3) Connect AC voltmeter to TP1 4) Adjust VR101 so that AC voltage meter indicates -31dBm 5) Connect FM Linear Detector to CN203 (LPF 20k ON) 6) Adjust VR200 so that the modulation depth to be 5.0kHz plus-minus 0.5kHz 7) Adjust VR201 so that AF level on LCD display shows one bar. <p>5. Adjustment of Tone modulation</p> <ol style="list-style-type: none"> 1) Connect TP3 to GND 2) Connect FM Linear Detector to CN203 (LPF 120k ON) 3) Adjust VR2 so that modulation depth to become within 3.2kHz plus-minus 0.2kHz 4) Connect the frequency counter to TP5 5) Confirm tone frequency is 32.768kHz 6) If the AF modulation degree changes through above 5-3) adjustment,again conduct the above clause 4-6) 7) After that,turn SW202 to antenna side <p>6. Display check procedure(Input voltage allowance range : plus-minus 0.1V)</p> <ol style="list-style-type: none"> 1) Make sure battery level shows all three bars at 2.4V input 2) Make sure battery level shows two bars at 2.3V input 3) Make sure battery level shows one bar at 2.15V input 4) Make sure battery level blinks one bar at 2.0V input <p>7. Other confirming points</p> <ol style="list-style-type: none"> 1) Set up receiver for communication check 2) Send the audio for checking whether it operates correctly 3) Make an impact on the body and check whether the unit does not show any abnormal sound 4) Check the unit frequency range from 566.125 to 589.875MHz in 125kHz step 5) Factory default condition - Power : off, Channel : 30-01 | | | | |
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