REALISTIC DX300 (20-204)

This quality Synthesized Communication Receiver can usually be bought at a bargain price because of design problems.

PROBLEM: Beat tones, harmonics.

SOLUTION: The following parts are located inside the LED display compartment.

1. Change C501 (56pf) to a 22pf.
2. Change C503 (56pf) to a 10pf.
3. Add a 20pf Ceramic Trimmer across C503.
4. Connect your frequency counter probe to TP-501. Connect the probe ground to a ground on the DX-300 (as close to TP-501 as possible.) Adjust the trimmer above for 1MHz ± 10 Hz. (CRITICAL).

NOTE: If you don't have a counter, use WWV @ 10MHz. and adjust for a zero beat.

Now you can enjoy that DX300 Receiver!

27 MHz	**CB, AM**
29.6 MHz	**Amateur Radio Band, FM**
30 - 50 MHz	**(normal scanner tuning range)**
52.525 MHz	**Amateur Radio Band, FM**
57.5 MHz - 66 MHz	**Department of Energy, Air Force, and Army — FM**
72 MHz - 73 MHz	**Highway Patrol Link Frequencies**
74 MHz - 75 MHz	**FAA and Landing Signals**
79 MHz	**Department of Interior — FM**
80 MHz - 88 MHz	**Military Frequencies — FM**
88 MHz - 108 MHz	**FM Music Band**
108 MHz - 118 MHz	**Aircraft Omni, Aircraft Weather, and airports — FM**
118 MHz - 136 MHz	**Aircraft Band — AM (most scanners receive this)**
136 MHz - 138 MHz	**NASA Satellite Downlink Band — FM**
138 MHz - 138.5 MHz	**United States Air Force — FM**
138.52 MHz - 139 MHz	**U.S. Navy — FM**
139 MHz - 139.475 MHz	**U.S. Army—FM**
139.480 MHz - 144 MHz	**All Military Services — FM**
144 MHz - 148 MHz	**Two Meter Band — FM (all scanners)**
148 MHz - 174 MHz	**High Band, Government — FM (all scanners)**
174 MHz - 180 MHz	
380 MHz 381.6 MHz	**FAA — FM**