Vertical Stacking Chromstar FM Antennas

Stacking two CH-6060 or CH-6065 FM antennas is an excellent way to increase gain, improve directivity and in-

Where gain is an important factor. stacking FM antennas can provide enough boost in signal to establish a much better signal to noise ratio in the

first amplifier. Good directivity in an FM antenna can eliminate many reception problems such as airplane flutter, reflected signals and noise pick-up stacking two FM antennas can also nar-

row the directivity up to 45%. Also, by increasing the capture area of the CH-6060 or CH-6065, fading problems of very weak signals can be

According to Dale Hemmie, technical services manager stacking two FM antennas is becoming more and more popular. "The consumer can get up to 3dB extra gain which is a 40% improvement over a single antenna,"

For vertically stacking two Chromstar FM antennas on a tower. This procedure allows the array to be assembled in stens as the mast is raised up out of the tower top.

1. Two Chromstar FM antennas.

2. One CC-787 Coupler. 3. Two (2) pieces of CL-2700 cable. cut 52 inches long,

4. Masting 10' long.

Assembly Instructions

1. Unfold both antennas. 2. Set terminal boards for 75

3. Insert CL-2700 cable (52 inches long) up through boot in bottom of each cartridge housing and attach to iack on terminal board.

4. Mount upper antenna on mast. 5. Close up housing on upper antenna. 6. Mount CC-787 coupler approximately 36 inches below upper antenna. 7. Connect CL-2700 cable from upper antenna to "set 1" jack of CC-787

coupler and tane cable to must. 8. Connect CL-2700 cable of housing hottom for lower antenna to "set 2" lack of CC-787 coupler and tape to mast. Note I: If a preamp is not required.



Hans Rabong, Winegard sales engineer carefully unfolds the elements of the CH-6060.

the "antenna" iack on CC-787 coupler at this moint Note 2: If a preamn is required, then a

third length of CL-2700 (52 inches long) must be attached to "antenna" iack on CC-787 and taped to mast with lower antenna CI "2700 cable

9. Mount lower antenna on mast approximately 72 inches below upper antenna. 10. Close up lower antenna housing.

This completes assembly if neramplifier is not used. Procede to sten 11 if preamp is used. 11. Mount AH-0300 housing below

12. Slide boot over loose end of CL-2700 cable attached to "antenna" jack of CC-787 counter and install connector. 13. Attach connector to "VHF input"

iack of AH-0300 housing and slide boot in place over collar around tack. Caution: Care must be taken when making this connection. If too much pressure is applied, the "F" lack may rotate in housing and short out. 14. Install preamp and close up AH-

0300 housing.



The CH-1868 features a double-boom for additional strength. Rahong attaches the two together with a heavy-duty brace.

A AC-6050: Recommended for metropolitan and any area where

B. AC-2950: Recommended for

medium to weak reception (FM trap out position).

C. AC-9130: Recommended for deep fringe reception with no strong TV or FM stations present (FM trap out position.)

A. TP series trans are available for

reducing a stron TV or FM station. The traps mount inside the cartridge housing and lower the signal level before it enters the amplifier.

Feel free to contact the Winegard Technical Services Department if you have a question or a special reception require-



The terminal boards are set for 75 ohm



After connecting a 52" length of CL-2700 to the output of the terminal board, Rabong screen the hundre shot.



Rabong attaches the top antenna to the mast, lightening down the U-bolt securely.



The CC-787 coupler is mounted approximately % inches below the upper



After connecting the cable from the upper er antenna to the "set 1" jack of the CC-737, Rabong connects other from bousing bottom of lower antenna to "set 2" jack of coupler.



The lower antenna is mounted approximately 72" below upper antenna.



Rabong orients both antennas so they p directly to reception area desired.



The AH-0300 universal cartridge housing, with the desired preamp enclosed, is mounted below lower antenna.



The finished installation! Neat and efficient.
is Performance of the vertical stack is excellent.

