

# TELEWAVE, INC.

1155 TERRA BELLA, MOUNTAIN VIEW, CALIFORNIA 94043  
(415) 968-4400 • TWX 910-3795055 • FAX (415) 968-1741

## FAX TRANSMITTAL SHEET

OUR FAX NUMBER (415) 968-1741

YOUR FAX NUMBER (617) 464-1208

TO : ATEL Boston

DATE : June 26, 1990

ATTN : Al Trenkler

RE : Combiners

Dear Al:

After reviewing the information which you FAXed to my attention, I am satisfied you have done your home work, and have an excellent concept on what is required for a good systems design.

Your plan #2 will give you a well balanced system, with the best performance and lowest cost. Like we have discussed, with only minor modifications you can modify the system as provided by E.F. Johnson.

The one advantage is it will have all the required intermodulation and transmitter sideband filtering included in the package. When you break out the two transmitters you may have to add one more TX sideband filter.

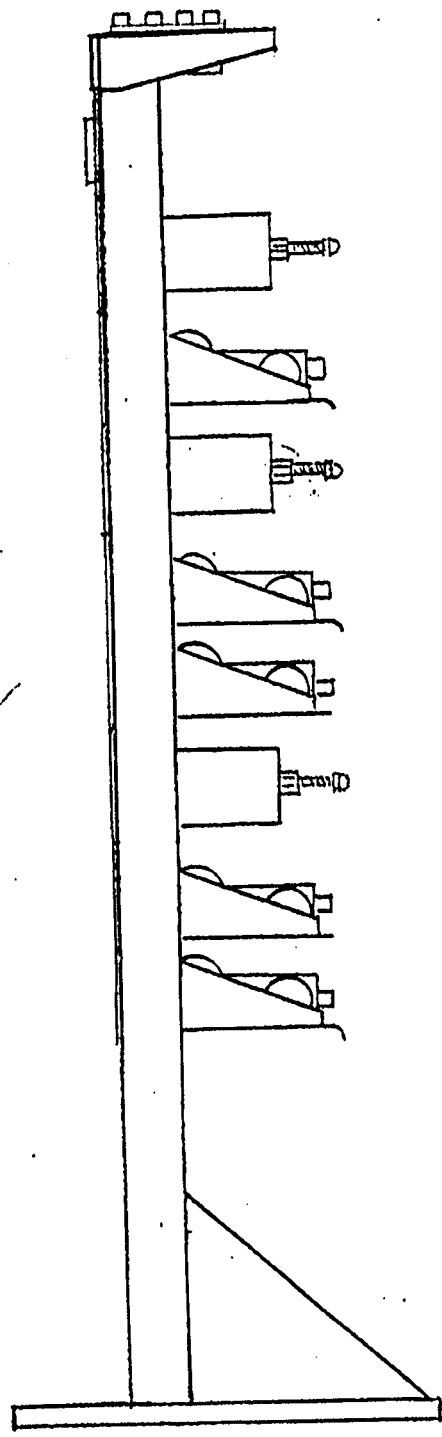
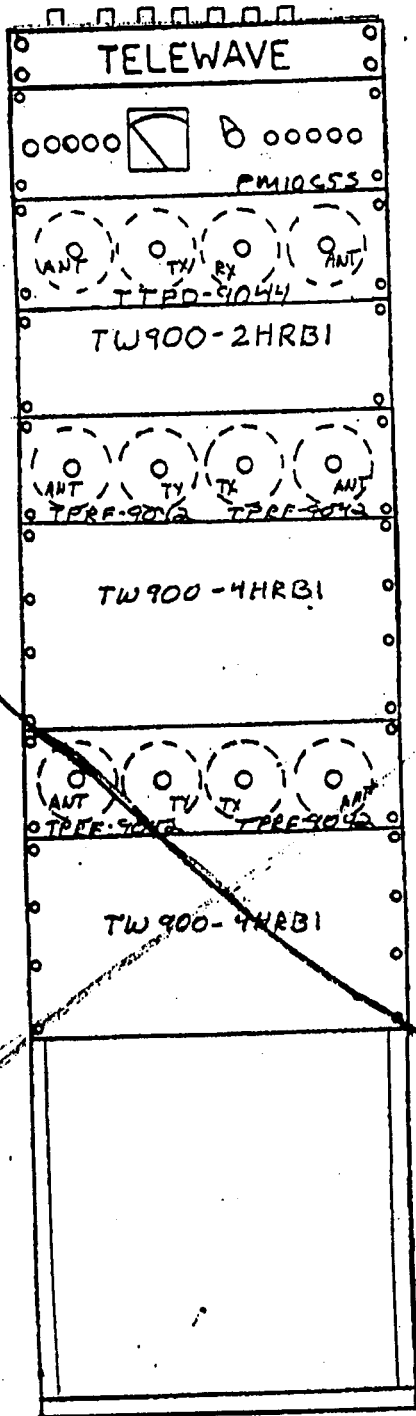
I am including a systems drawing for a 10 channel systems which has been marked up for a 5 channel system, with 3 antennas.

Please let me know if we can be of further service.

Best Regards,

  
Ray Collins

Pages follow --2--



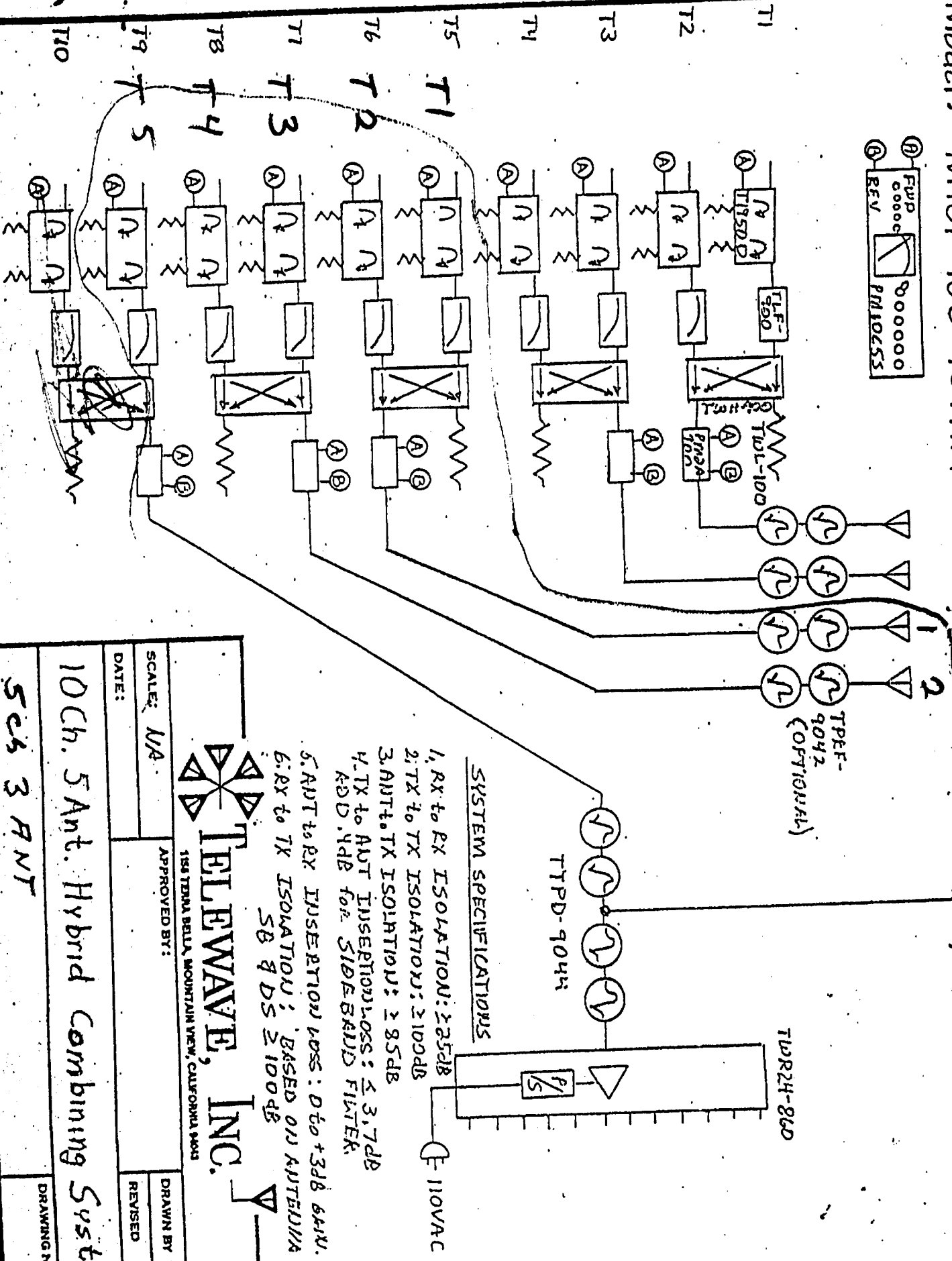
**TELEWAVE, INC.**  
 2166 OLD MIDDLEFIELD WAY, MOUNTAIN VIEW, CALIFORNIA 94033

NOTES:

DRAWN BY <i>MJB</i>	
REVISED	
APPROVED BY:	
SCALE: 1" = 10"	DATE: 10-7-88
19" X 72" RACK CONFIGURATION	
M101-900-10TRM 5 Ant.	
DRAWING NUMBER of	

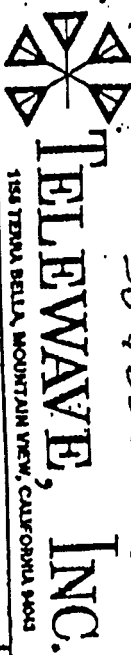
Model: M101-900-10TRM

FuPd 000000  
REV PH10255



SYSTEM SPECIFICATIONS

- 1. RX to RX ISOLATION: 25dB
- 2. TX to TX ISOLATION: 2100dB
- 3. ANT4. TX ISOLATION: 285dB
- 4. TX to ANT INSERTION LOSS:  $\leq 3.7$ dB  
KDD. VdB for SIDEBAND FILTER
- 5. ANT to RX INSERTION LOSS: 0 to +3dB MAX.
- 6. RX to TX ISOLATION: BASED ON ANTENNA SEI  
5B & DS 2100dB



154 TINA BELLA MOUNTAIN VIEW, CALIFORNIA 94043

APPROVED BY:

SCALE: N/A

DATE:

DRAWN BY: MK

REVISED

10 Ch. 5 Ant. Hybrid Combining System

5 Ch 3 ANT

DRAWING NUMBER