

**CIRCUIT ORDER OR TRUNK ORDER TESTS
FOR ALL TYPES OF MESSAGE TRUNKS**

1. GENERAL

1.01 This appendix supplements Section 660-450-301 by amending a portion of Table N - Summary of Overall Lineup Tests to be Made Between Trunk Terminals.

1.02 This appendix is issued to provide additional information regarding lineup between Western Electric (WECO) and General Trade Product (GTP) types of carrier terminals used commonly by the Independent Telephone Companies. The GTP carrier terminals are listed as compatible with equivalent WECO Carrier equipment. However, GTP carrier terminals usually

have a broader frequency response with a wider tolerance than WECO terminals. In many cases, the frequency response and tolerance does not agree with the requirements of Table N in the section.

1.03 In order to accommodate the Independent Telephone Companies using GTP carrier equipment, the requirements in Table N are being relaxed according to the latest GTP Technical Summary Specifications as supplied by the manufacturer.

1.04 Listed below are some of the General Trade Products carrier equipment and the Technical Summary specifications published with their equipment.

| GENERAL TRADE PRODUCTS EQUIPMENT | GAIN SLOPE DEVIATION RELATIVE TO 1000 Hz | |
|---|--|---|
| Farinon FC600 Channel Banks | 250 - 3400 Hz 400 - 3000 Hz 600 - 2400 Hz | -3.0 to +0.7 dB -1.0 to +0.7 dB ±0.7 dB |
| Lenkurt 46A3 Channel Banks | 250 - 3450 Hz 400 - 3300 Hz 600 - 3000 Hz | -3.0 to +0.5 dB -1.5 to +0.5 dB -0.7 to +0.5 dB |
| Lenkurt 46A6 Channel Banks | 200 Hz 300 Hz 600 Hz 3000 Hz 3400 Hz | -2.6 to +1.0 dB -1.6 to +1.2 dB -0.9 to +0.5 dB -0.9 to +0.5 dB -2.4 to +0.5 dB |
| Lenkurt 46A6 Channel Banks (For Bell System Use) | 200 Hz 300 Hz 600 Hz 2800 Hz 3450 Hz | -3.0 to +0.5 dB -1.6 to +0.5 dB ±0.5 dB ±0.5 dB -3.0 to +0.5 dB |
| Lenkurt 46B/N3 | 340 - 3160 Hz | -3.0 to +1.0 dB |
| Lenkurt 47A/N1 | 300 Hz 450 - 2650 Hz 3000 Hz | -3.0 to +0.0 dB -2.0 to +0.5 dB -3.0 to +0.0 dB |
| Lenkurt 47A/N2 | 200 Hz 450 - 3000 Hz 3400 Hz | -3.0 to +0.0 dB -1.0 to +0.5 dB -3.0 to +0.0 dB |



Lynch B410, 411/N2

200 - 3400 Hz

-3.0 to +1.0 dB

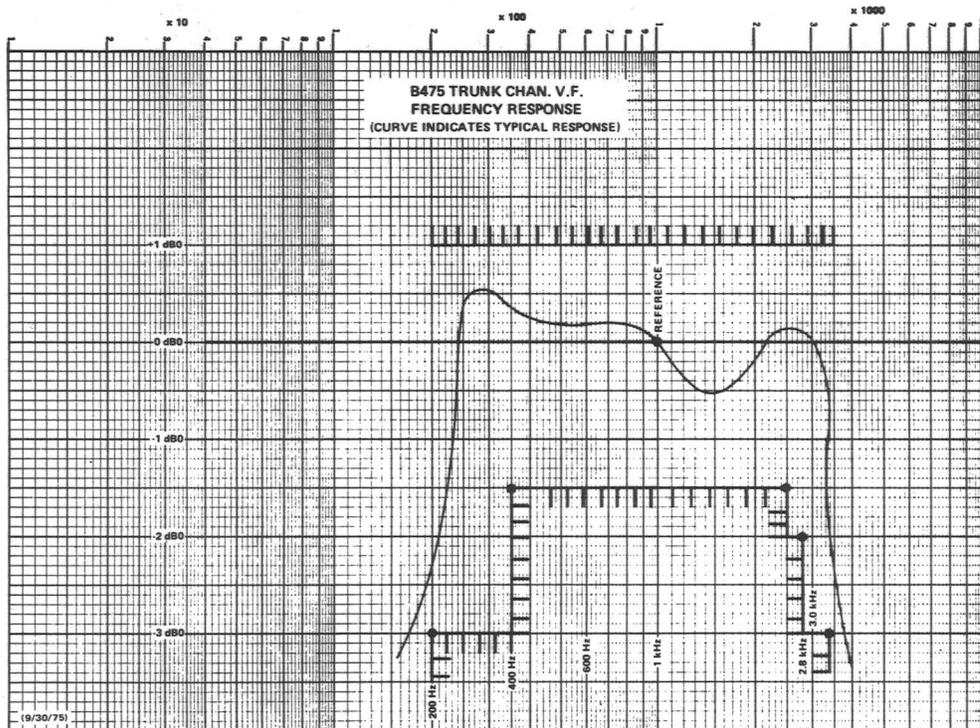
Lynch B475/N3

200 - 3450 Hz

-3.0 to +1.0 dB

Note: Summary specifications published on the Lynch 410, 411/N2 Carrier and the Lynch B475/N3 Carrier channel frequency response does not cover frequency response limits within the band, i.e., 404 Hz and 2804 Hz.

1.05 The following charts, A and B, are reproduced from the Lynch Lineup Procedures for the B410, B411/N2 and the B475/N3 Carriers. They show the average channel frequency response and limits. The limits shown in Table N in this appendix are based on these charts.



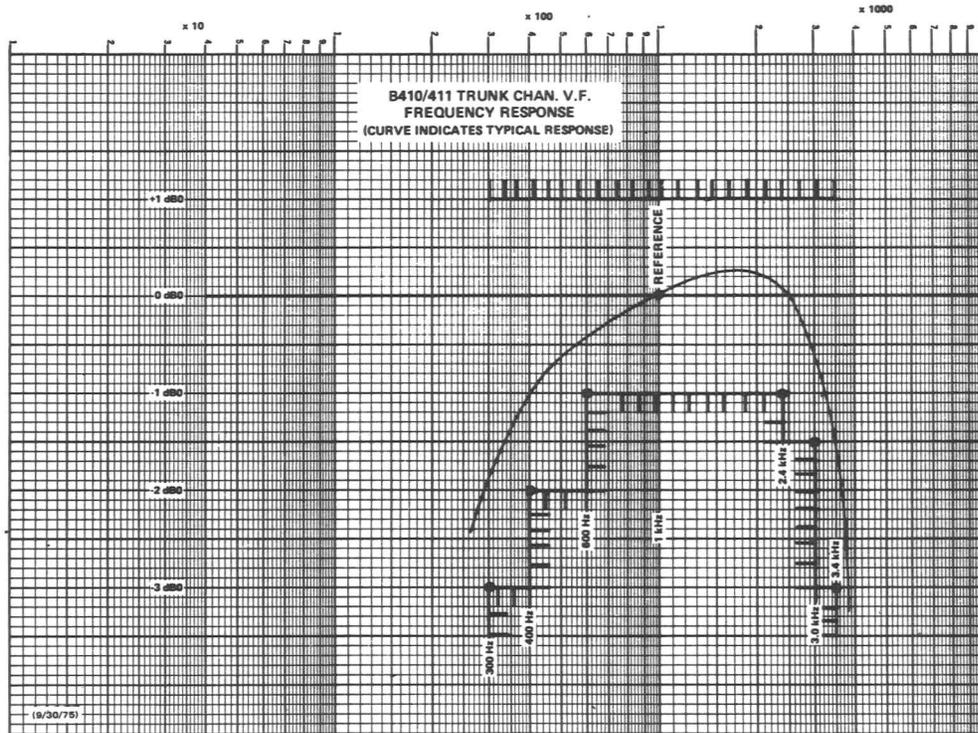


TABLE N

1.06 Summary of Overall Lineup Tests to be made between trunk terminals using WECO Carrier equipment with General Trade Products Carrier equipment.

GAIN SLOPE DEVIATION RELATIVE TO 1004 Hz

Gain-slope measurements at 404 Hz and 2804 Hz should be compared with the 1004 Hz loss and should be within the following requirements.

| | Loss Requirement | |
|------------------------------|---------------------------------|---------------------------------|
| | At 404 Hz | At 2804 Hz |
| WECO Type A Channel Bank to: | | |
| • Farinon FC600 Channel Bank | within 2.5 dB more, 1.0 dB less | within 2.1 dB more, 1.0 dB less |
| • Lenkurt 46A6 Channel Bank | 2.5 dB more, 1.2 dB less | 2.1 dB more, 1.0 dB less |
| WECO Type N3 Channel to: | | |
| • Lenkurt 46B/N3 Channel | 3.0 dB more, 1.0 dB less | 3.0 dB more, 1.0 dB less |
| • Lynch B475/N3 Channel | 2.0 dB more, 1.0 dB less | 2.5 dB more, 1.0 dB less |
| WECO Type N2 Channel to: | | |
| • Lenkurt 47A/N2 Channel | 3.0 dB more, 1.0 dB less | 2.5 dB more, 1.0 dB less |
| • Lynch B410, 411/N2 Channel | 2.1 dB more, 1.0 dB less | 2.5 dB more, 1.0 dB less |
| WECO Type N1 Channel to: | | |
| • Lenkurt 47A/N1 Channel | 3.0 dB more, 1.0 dB less | 3.0 dB more, 1.0 dB less |