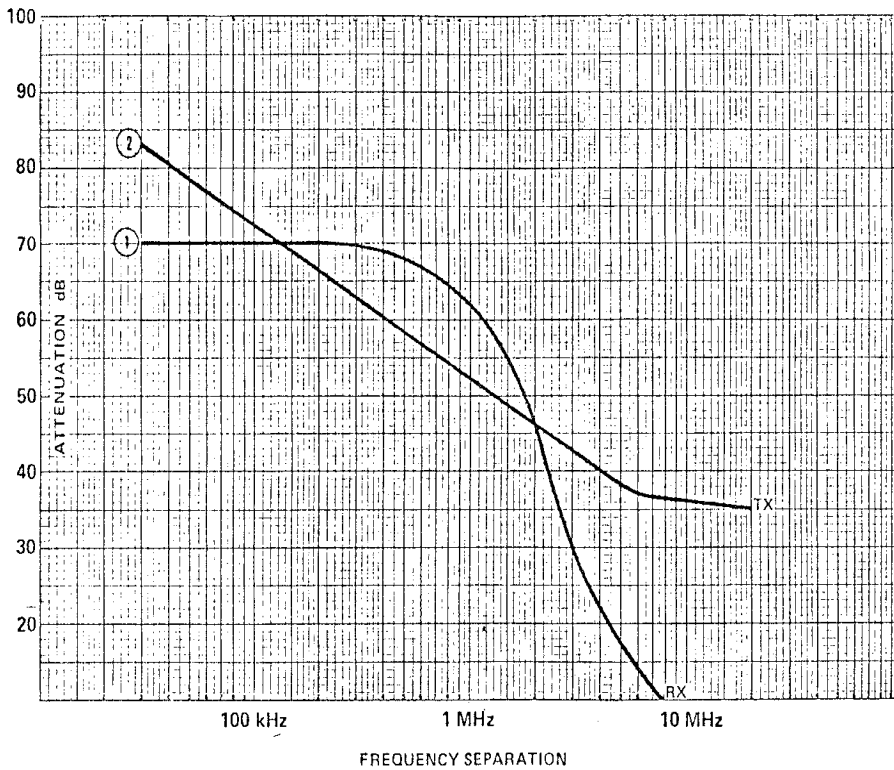
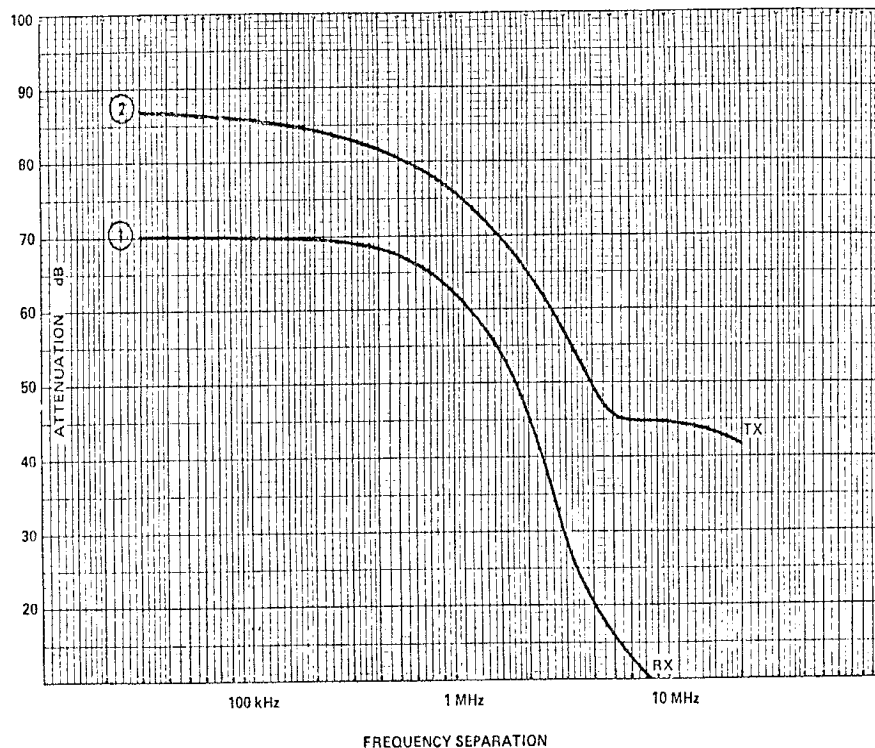


DUPLEX OPERATION CURVES FOR 138 - 174 MHz MASTR[®] II WITH PLL EXCITER



- ISOLATION REQUIREMENTS FOR 600 kHz SPACING USING PLL EXCITER**
- 57 dB of transmitter noise suppression
 - 67 dB of transmitter carrier suppression

DUPLEX OPERATION CURVES FOR 138-174 MHz MASTR II



- ISOLATION REQUIREMENTS FOR 600 kHz SPACING USING PM EXCITER**
- 79 dB of transmitter noise suppression
 - 67 dB of transmitter carrier suppression

The curves show the isolation required to prevent more than 1 dB degradation in 12 dB SINAD performance.

Curves above are based on a 65 watt transmitter, and a receiver sensitivity of 0.3 uV for 12 dB SINAD.

- for 100 watt transmitter, add 2 dB to isolation requirements - for 40 watt transmitter, subtract 2 dB
- for UHS receiver (0.15 uV), add 6 dB
- it is advisable to have an additional 6-10 dB of isolation headroom to prevent desensitization under all operating conditions.