

"P" and "Q" Series Duplexers

Preliminary Tuning Information

The duplexers can be field retuned in their respective sub-bands by following the tuning procedures as described on pages:

CI-1068 "P" Series

CI-1069A-B "Q" Series

The following sub-bands for the models are as follows:

(66-88) (132-150) (148-174) MHz

(406-420) (450-470) (470-512) MHz

If retuning is required outside of these sub-bands, changes in interconnect cable lengths will have to be made.

Fine tuning to within 10% of the frequencies as delivered will require a slight adjustment of the fine tuning bolt only on each cavity of the duplexer.

If retuning beyond 10% of the frequency as delivered, it will be necessary to make adjustments to both the coarse and fine tuning bolts and in some cases the loop assemblies may have to be rotated slightly to obtain the proper insertion loss settings at the new TX and RX frequencies.

In some cases, it may be advantageous and less time consuming when retuning to new frequencies to retune each cavity to the new frequency by disconnecting the cable from each cavity and retuning each to the new frequency. Then reconnect each cable into the duplexer configuration and fine tune the duplexer as described on pages CI-1068 or CI-1069A-B.

The single cavity configuration used in both the "P" and "Q" Series are described on page CI-1051.