

# TPCP-4542

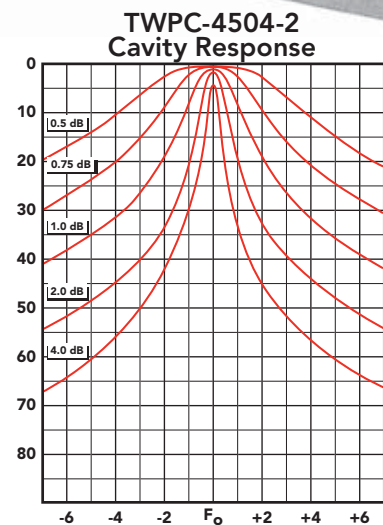
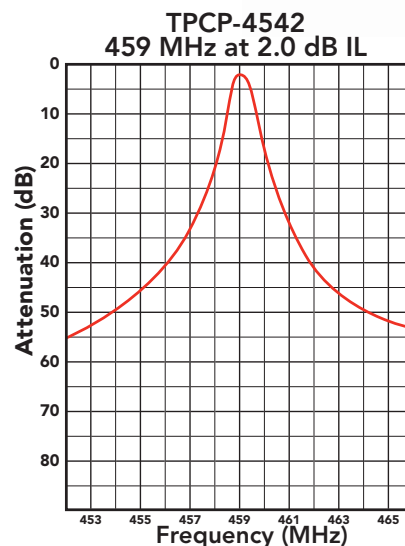
## BANDPASS PRESELECTOR

The Telewave TPCP-4542 UHF receiver preselector is specially designed for use in master antenna receive systems, to insure rejection of external noise sources. This bandpass preselector provides optimum protection against desense and adjacent channel interference when installed between the receiver multicoupler and antenna. Their high power capability also allows these units to be used as sideband filters on the outputs of transmitters or transmitter combiners.

Bandpass preselectors reject all signals outside a selected pass window, and are often preferred at congested sites.

Heavy-duty materials are used throughout this bandpass filter to insure top performance and long service. RG-214 Mil-Spec cable is used for the interconnect, and temperature stability is maintained by the use of a threaded invar tuning rod. Tuners are all silver-plated, and sliding contacts are manufactured from beryllium copper fingerstock. This unit is 19" rack mounted, and comes with N-F connectors standard.

All units are factory tuned to customer-supplied frequencies and no further adjustment should be necessary. Field re-tuning or adjustment of insertion loss can be accomplished quickly if needed.



### ELECTRICAL SPECIFICATIONS

Frequency range	400-512 MHz
Max input power	350 watts
Pass bandwidth	1 MHz or less
Insertion loss at pass bandwidth	1.0 dB typ
Attenuation at RX band +/- 5 MHz	35 dB
VSWR, ref. to 50 ohms (max)	1.3:1
Temperature range	-30°C to +70°C

### MECHANICAL SPECIFICATIONS

Dimensions (HWD)	in	5.25 x 19 x 10.5
	cm	13.3 x 48.3 x 26.5
Mounting	19" Panel	
Connectors	N Female, UHF (opt.)	
Panel finish	Clear alodine	
Cavity finish	Gray enamel	
Net weight lb. (kg)	5 (2.3)	
Shipping weight lb. (kg)	8 (3.6)	