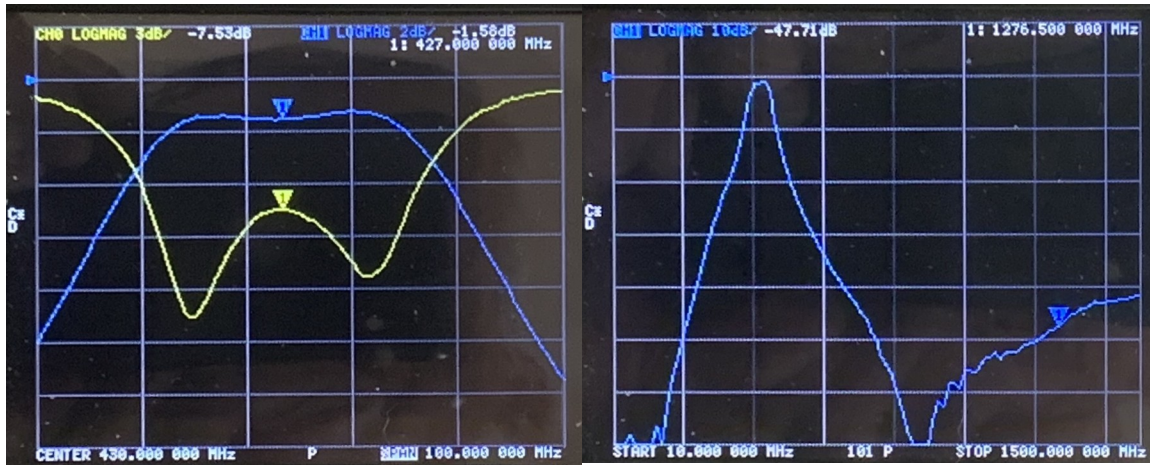




Model 70-BPF 70 cm BAND-PASS FILTER

The KH6HTV VIDEO Model 70-BPF is a Band-Pass Filter for the amateur radio 70 cm band (420-450 MHz). It features a flat response across the band with 1.5 dB insertion loss. The BPF design combines two Chebyshev filters -- a 470 MHz low-pass with a 400 MHz high-pass filter.



430 MHz center freq., 100 MHz span 750 MHz center freq., 1.5 GHz span
(left) blue trace is S21 insertion loss (2dB/div) yellow trace is S11 return loss (3dB/div)
(right) blue trace is S21, (10dB/div)

Parameter	typical	Parameter	typical
Pass Band	420-450 MHz	Insertion Loss	1.5 dB
Bandwidth (-3dB)	65 MHz	Bandwidth (-20dB)	180 MHz
S21 (150MHz)	> -60 dB	S21 (1270Hz)	> -45 dB
RF connectors	SMA	Dimensions	1.5"x3.6"x1.25"
Test Report	included at no charge. includes S11 & S21 plots shown above		

Note: This filter is intended for receive only applications. Do not use with transmitters.

KH6HTV-VIDEO www.kh6htv.com e-mail: kh6htv@arrl.net Boulder, Colorado, USA