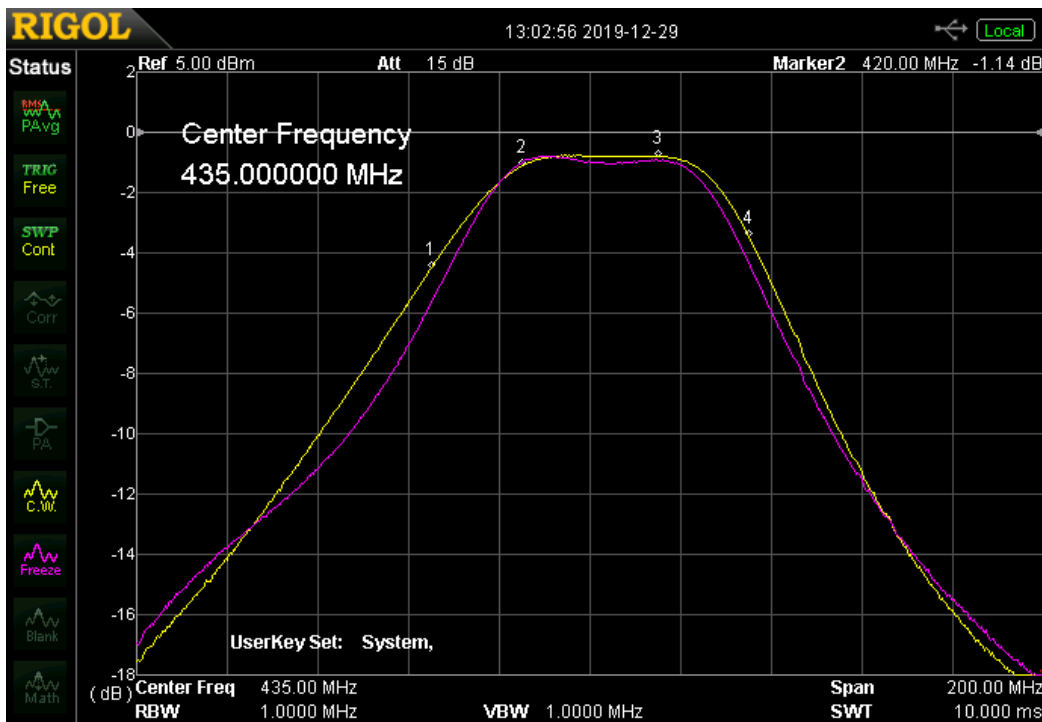




Model 70-BPF 70 cm BAND-PASS FILTER

The **NEW** KH6HTV VIDEO Model 70-BPF is a Band-Pass Filter for the amateur radio 70cm band (420-450MHz). It features a flat response across the band with 1dB or less insertion loss. The BPF design combines two Chebyshev filters - a 470 MHz low-pass filter with a 400 MHz high-pass filter.



S21 (yellow) & S12 (magenta) of typical Band-Pass Filter
Center frequency = 435 MHz, 200 MHz span, 2 dB/div & 20 MHz/div

Parameter	typical	Parameter	typical
Pass Band	420-450 MHz	Bandwidth. (-3 dB)	400-470 MHz
Insertion Loss	1 dB	Bandwidth (-10dB)	115 MHz
Return Loss	> -15 dB	Bandwidth (-20dB)	250 MHz
RF connectors	SMA	S21 (150MHz)	> -70 dB
Dimesions	1.5"x3.6"x1.25"	S21 (1270MHz)	> -40 dB