

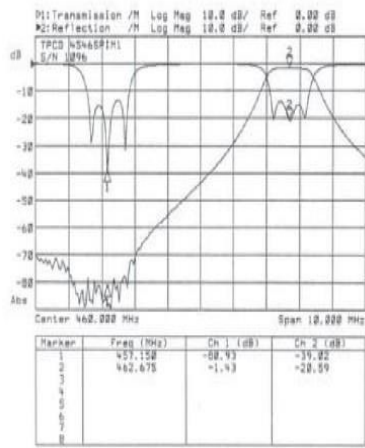
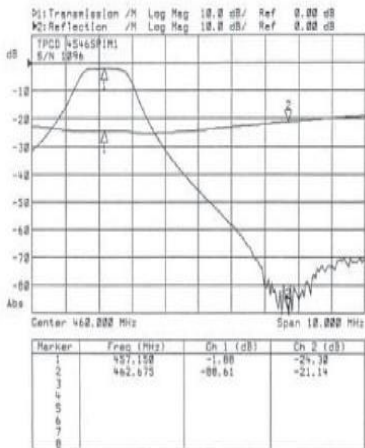
TPCD-4546SPIM2

COMPACT REPEATER PANEL

The Telewave.io Compact Repeater Panel combines a pass/reject duplexer, band pass filter, Isolator, and low pass filter into one system that only requires 5 RU of rack space. The space-saving is achieved by mounting the intermodulation suppression panel behind the duplexer.

The default configuration has two additional bandpass cavities in line with the transmitter side of the duplexer (TX sideband reduction). The cavity filter configuration of the system can be adjusted by mixing pass /reject or pass-only cavities as needed to provide appropriate protection for the installation. Contact Telewave.io Systems Engineering for assistance with customization.

The system is fully tuned and tested at the factory before shipping.



SPECIFICATIONS

Frequency band	400 - 512 MHz	TX noise suppression at RX (min)	115 dB
Frequency separation (min)	3 MHz	RX attenuation at TX (min)	90 dB
		TX-RX isolation at 3 MHz sep	60 dB
Maximum input power (cont)	100 watts	Antenna to TX isolation (typ)	75 dB
VSWR (max)	1.5 : 1	TX 2nd harmonic attenuation (typ)	50 dB
Insertion Loss (TX/RX to ANT, typ)	2.5 dB TX / 1.5 dB RX	Mounting	19" Panel
Impedance	50 ohms	Net weight lbs. (kg)	22 (10)
Connectors	N-Female	Shipping weight lbs. (kg)	24 (11)
Temperature range	-22 to +140 °F -30 to +60 °C	Dimensions (H x W x D) in. (cm)	8.75 x 19 x 14.5 (22.25 x 48.25 x 37)