

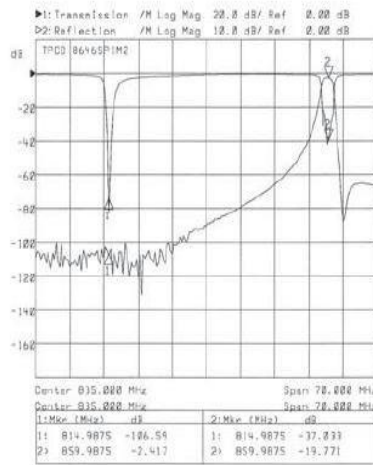
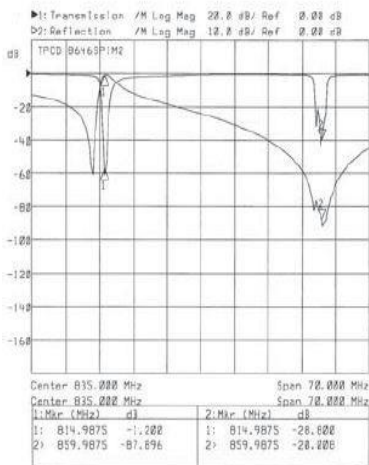
TPCD-7646SPIM2

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 band pass 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	756 - 806 MHz	TX noise suppression at RX (min)	105 dB
Frequency separation (min)	30 MHz	RX attenuation at TX (min)	80 dB
Maximum input power (cont)	100 watts	TX-RX isolation at 30 MHz sep	90 dB
VSWR (max)	1.5 : 1	Antenna to TX isolation (typ)	75 dB
Insertion Loss (TX/RX to ANT, typ)	2.5 dB TX / 1.5 dB RX	TX 2nd harmonic attenuation (typ)	45 dB
Impedance	50 ohms	Mounting	19" Panel
Connectors	N-Female	Net weight lbs. (kg)	21 (5.5)
Temperature range	-22 to +140 °F -30 to +60 °C	Shipping weight lbs. (kg)	23 (10.5)
		Dimensions (H x W x D) in. (cm)	8.75 x 19 x 12.5 (22.25 x 48.25 x 31.75)