

## RF Interference Cancellers

### Large Signal CANCELLER (LASSCAN™) and INchip™ RF Interference Mitigation Solutions

PSI's Large Signal Subtractor and Canceller (LASSCAN™) significantly reduces unwanted RF interference in system using the electromagnetic spectrum. Such systems often need to maintain operation in the face of large interfering signals that can be as much as 100 dB stronger than the signal of interest (SOI) that the equipment needs to receive. When connected between the antenna and the systems transmit and receive paths, LASSCAN™ has demonstrated 60-70 dB of large interference signal cancellation.

LASSCAN™ is applicable to systems that operate in *any* RF band; to date LASSCAN™ has been demonstrated to operate in frequency bands between the low end of HF (3 MHz) and the high end of X-band (12 GHz); operation is possible as high as W-band (100 GHz). LASSCAN is also capable of mitigating *all* forms of co-spectrum interference: co-site (desired and interfering signal spectra do *not* overlap); co-channel (desired and interfering signal spectra *do* overlap) and co-angle (desired and interfering signals come from the same direction).

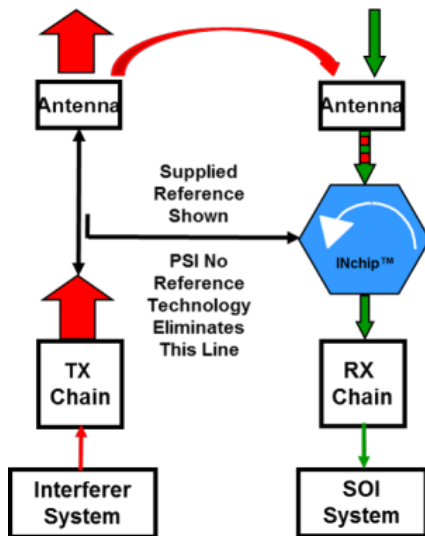
PSI has provided RF interference cancellers handling 50 Watts of power in rack based packaging and developed lower power, much smaller size hybrid IC versions called INchip™.



PSI-7611-001G INchip™



PSI-7600 50W Interference Canceller



[Please contact PSI](#) for more information about this breakthrough technology that reduces unwanted RF spectrum interference and to discuss your application requirements.