

# Why Invacom LNB's Perform so Well



Most people know how important LNB noise figure is as a measure of LNB performance.

However other parameters are also important contributors to overall signal quality.



## Affordable Excellence

**Exact Feed Design.** Designed with the latest 3D modelling software to ensure maximum energy transfer from the dish to the LNB electronics. A precise and optimum Horn and Feed design will not effect the overall quoted noise figure, but will give a significant improvement in overall performance.

**Superior Phase Noise.** Compare Invacom's specification to other manufacturers. It is typically 10dB better. The cleaner the oscillator the higher the performance.

**Excellent Isolation.** In the centre of the satellite footprint, all transponders are typically the same strength. However, at the edges, there can be wide variations. To receive the weaker signals, multiple output LNBs require excellent isolation. Compare Invacom's isolation performance with other manufacturers' LNBs.

**Very Low Spurious Levels.** All universal multiple output LNBs generate interfering spurious at 850 MHz and 1700 MHz. This spurious can knock out weak transponders at the same IF frequency. Invacom's spurious is typically superior by 10dB, due to advanced filter design using 3D filter modelling software.

**Positive Gain Slope.** To compensate for long cable runs, and helps prevent loss of channels due to 2<sup>nd</sup> harmonic distortion in the receiver.



**Tested for Ultimate Reliability.** All Invacom LNBs are electrically and pressure tested twice, at various stages of the assembly. A sample of finished units are further tested at hot and cold temperature to ensure utmost reliability.

And Extremely Low Noise Figure !