



IMD-TP1

High Power Linear Amplifier Testing Platform - Testing Service

The IMD-TP1 platform is an advanced automatic test system specifically designed for inter-modulation distortion (IMD) characterization of linear power amplifiers operating within the LF to VHF range. Featuring a user-friendly PC interface, the IMD-TP1 enables users to efficiently control the power supply, signal generators, spectrum analyzer, and complex switched filtering options to ensure optimal signal integrity. This innovative system can automatically select filters for three amateur-radio test bands (e.g., 80m, 20m, 6m, with additional options available) and seamlessly configure essential parameters in the spectrum analyzer interface. It operates in conjunction with the ULTA-10R32 Ultra Linear Test Amplifier (250KHz to 220MHz) to accurately assess the IMD behavior of high-power amplifiers.



Developed by RF engineers, this automated test platform is an excellent service for those developing and testing high-power amplifiers in the 0.5–1.5kW range, operating from 0.25MHz to 250MHz. You will receive detailed reports on your amplifier's IMD performance (IMD3, IMD5, etc.), particularly for amplifiers used in SSB, CW, FM, AM and digital modes.

Wide Frequency Range Operation	0.25MHz to 220MHz
Max. Input / Output Levels	+15dBm IN / +46dBm OUT
Advanced 5th/7th order LPF filtering inside	80m / 20m / 6m
IMD3 System Performance	-70dBc typ.
2nd Harmonic System Performance	-65dBc typ.
3rd Harmonic System Performance	-57dBc typ.

- ✓ USB controlled PC Interface
- ✓ automated advanced test report
- ✓ intuitive Graphical User Interface
- ✓ for PA testing in 0.5–1.5kW range



CONTACT US

for more details (service
price, availability, test
reporting, demo video etc.)



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More details:

