

Yaesu FT-991 Test Report: Executive Summary

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After testing an FT-991 in the lab and on the air, I can conclude that it is a very pleasant radio to operate. It is well-constructed and nicely engineered, has a very reasonable learning curve for a user not accustomed to Yaesu HF transceivers, and handles itself very well for a radio in its price category.

The FT-991's performance parameters as tested are comparable to those of other HF+ transceivers in its price class. Overall, it is felt that the FT-991 is a good contender in the fairly crowded mid-price HF+ group. Its VHF/UHF coverage will appeal to purchasers desiring a compact home station or a mobile/portable setup.

Key Receiver Test Data

Freq. kHz	Preamp	Parameter	Result dB
14100	IPO	Recip. Mixing RMDR	77
		3 rd -order Dyn. Range DR ₃	71
5340		Noise Power Ratio NPR	75

The only concern encountered during the lab tests was ALC compression at power output levels approaching full rated output. This degrades transmitter IMD performance, especially 3rd-order. The degradation can be mitigated by operating the transmitter just below the onset of ALC activity.

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