

W240DF Transmitter Power Output Calculations

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| Effective Radiated Power: | 190 Watts |
| Gain of PSI antenna: | 1.75 Power gain |
| Antenna Input Power: | 108.6 Watts |
| Efficiency of 81 m LDF-4-50A: On Tower | 65.8% |
| Input Power at Isocoil | 165.0 W |
| Efficiency of Kintronics ISO-170-FM-DM Isocoil | 82.6% |
| Input Power To Isocoil | 199.8 W |
| Efficiency of 18.3 m FLC 12-50J to transmitter building | 90.9% |
| Input To Polyphasor | 219.8 W |
| Efficiency of 4.6 m of LMR-600 Jumper | 97.4% |
| Transmitter Output Power: | 225.6 Watts |