

W240DF Transmitter Power Output Calculations

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