

W282CD Transmitter Power Output Calculations

Effective Radiated Power:	250 Watts
Gain of ERI 100A-2F-.77W antenna:	0.666 Power gain
Antenna Input Power:	375.4 Watts
Efficiency of 90.52 m LCF78-50A:	44.9 %
Transmitter Output Power:	836 Watts

Note: The ERI 100A-2F-.77W antenna is functionally identical with the PSI FML-2C-.77WS. Both are Crossed V element antennas with the required .77 Wavelength spacing. They both produce identical vertical patterns and the same levels of signal toward the ground. Both antennas are omnidirectional.