

7 of 45. AMENDED.

NAME OF TEST: Maximum Peak Output Power
SPECIFICATION: 47 CFR 15.247 (b)
SPEC. LIMIT: ≤ 1 Watt peak (0.25 if <50 Hopping Channels)
TEST EQUIPMENT: Attached

MEASUREMENT DATA

ANTENNA GAIN, dBi = 0
 PEAK OUTPUT POWER, Watts = .074
 WORST CASE FOR
 ALL CHANNELS

RADIATED:

g9970256: 1999-Jul-07 Wed 08:48:00

FREQUENCY TUNED, MHz	FREQUENCY EMISSION, MHz	METER, dBuV	CF, dB	uV/m @ 3m	EIRP, dBm	EIRP, W
2412.0000	2409.400000	70.84	42.74	477529.27	18.4	0.069
2442.0000	2439.400000	70.03	42.97	446683.59	17.8	0.060
2462.0000	2464.700000	70.78	43.17	498310.46	18.7	0.074

Sample Calculation:

$$P_{EIRP} = (E_v \times R_m)^2 / 30.0 = (477529.27 \times 3)^2 / 30.0 = 0.069 \text{ Watts}$$

*Correction factor includes a 7dB correction for 2 MHz RBW to
 Broadband Power Output.

SUPERVISED BY:



William H. Graff