

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<br>TUNED, MHz | FREQUENCY<br>EMISSION, MHz | METER, CF, dB<br>dBuV | uV/m @ 3m | EIRP,<br>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:

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

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

SUPERVISED BY:

  
 William H. Graff