

## § 15.247(b) Maximum Peak Output Power

Minimum Standard – The maximum peak output power of the transmitter shall not exceed 1 watt.

Res. Bandwidth = 3 MHz (10dB/div)  
 Vid. BW = 3 MHz  
 Span = 10 MHz  
 Ref. Level -20 dBm  
 Sweep 5 ms sec  
 Attenuator 0 dB ext. pad

Max. Power Peak + Atten = dBm ⇒ Watts

FREQ (MHz)	Base/Handset (B/H)	Channel	Power Output (dBm)	Power Output (mW)
2401.5	B	1	20.901	123.061
2434.5	B	12	21.631	145.587
2470.5	B	24	19.381	86.72

Table 4. Output Power Measurements

**REMARKS:**

**PASS**

@ 2434.5 MHz F/S= 84.06 + 33.03 (AFCL) = 117.09 dBuV/M  
 The antenna gain is 2.14 dBi so the numeric gain is 1.64.  

$$\frac{(FS * 3)^2}{31.64} = 146 \text{ mW}$$