Item 2:

CKC Laboratories, Inc. procedure for performing measurements for Licensed devices is to first calculate the ERP using an FCC approved formula  $[P(W) = (ed)^2 / 30G]$ . If the margin is sufficient enough, the calculated readings are reported. If the margins are not sufficient, actual substitution method is performed.

The spec limit is in dBc (43+10LOG(P)), however, this can be represented by an absolute value.

Example: Antenna terminal testing: 1) If the measured power is 20dBm, this would equal 100mW. 43+10Log(0.1) = 33dB20dBm - 33dB = -13dBm = 50uW

2) If the power measured is 50dBm, which equals 100W 43+10Log(100) = 63dB50dBm - 63dB = -13dBm = 50uW

Substitution Testing: 3) If the Power measured using the substitution = 10W, this is equal to 40dBm 43+10Log(P) = 53dB40dBm - 53dB = -13dBm = 50uW

4) If the Power measured using the substitution = 500 mW, this is equal to 26.99dBm 43+10Log(P) = 39.99dB 26.99dBm - 39.99dB = -13dBm = 50uW

As can be seen by the above examples, regardless if one measures 10W or 500mW the 43+10Log(p) limit can be equated to an absolute value of 50uW (-13dBm in a 50ohm system).

In regards to Good Technologies, the field strength values were converted to ERP via the approved FCC formula and compared to the 43+10Log(P) limit (50uW). The highest measurement was -15.88dB from the limit and therefore there was no need to perform an actual substitution test.