

### **Substitution Equivalent Isotropic Radiated Power (E.I.R.P)**

#### **Procedure:**

Radiated Measurements were made on a GSM 1900Mhz phone. The EUT was placed on a 0.8-m high wooden table inside a shielded enclosure. An Antenna was placed 1meter from the EUT and measurements were made for frequencies and amplitude of field strengths in three channel settings (Low, Mid and High). For EIRP Substitution method EUT was replaced with a horn antenna, which was driven by a signal generator whose level, were adjusted to obtain the same level as received via the radiated method. EIRP is calculated by adding the gain of the horn antenna to the level on the signal generator. Measurements were made according to the Substitution Method of ANSI/TIA/EIA-603-A.

#### **Configuration:**

Measurement were made with the GSM 1900MHz phone

#### **Result:**

Below is the data taken from the Mobicom Phone model # 6288I (Pink) FCC ID P8D-C6288I.

<b>Frequency (MHz)</b>	<b>Conducted Level (dBm)</b>	<b>EIRP (dBm)</b>	<b>EIRP (W)</b>
1850.2	28.17	24.68	0.295
1869.8	28.17	27.82	0.602
1909.8	27.83	25.48	0.355