

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 was 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:

Measurements were made with the GSM 1900MHz phone, which was controlled and operated by the mobile station test set (Rhode & Schawrz CMU-200). EUT was configured for maximum RF Power at all three channels.

Result:

Below is the data taken from the Mobicom Phone model # 6088I (Red) (FCC ID: P8D-C6088I)

Frequency (MHz)	Conducted Level (dBm)	EIRP (dBm)	EIRP (W)
1850.2	28.17	27.52	0.56
1869.8	28.17	27.52	0.56
1909.8	27.33	25.04	0.316