

## 13.1 SAR TEST DATA SUMMARY (Continued)

Ambient TEMPERATURE (°C) 22.7  
Relative HUMIDITY (%) 60.0  
Atmospheric PRESSURE (kPa) 99.5

Mixture Type: 835MHz Muscle

Dielectric Constant: 55.3

Measured Depth of Simulating Tissue: 15.5 cm

Conductivity: 0.96

Measured Tissue TEMPERATURE (°C) 22.5

### 13.11 Measurement Results (Cellular TDMA Body SAR w/o Holster)

| FREQUENCY                                                                                         |      | Modulation | POWER* |      |          | Separation Distance (cm)**                      | Antenna Position | SAR (W/kg) |
|---------------------------------------------------------------------------------------------------|------|------------|--------|------|----------|-------------------------------------------------|------------------|------------|
| MHz                                                                                               | Ch.  |            | (dBm)  |      | Battery  |                                                 |                  |            |
| 824.04                                                                                            | 0991 | TDMA       | 26.5   | 26.5 | Standard | 1.5 [without Holster]                           | Fixed            | 0.811      |
| 836.49                                                                                            | 0383 | TDMA       | 26.5   | 26.5 | Standard | 1.5 [without Holster]                           | Fixed            | 0.988      |
| 848.97                                                                                            | 0799 | TDMA       | 26.5   | 26.5 | Standard | 1.5 [without Holster]                           | Fixed            | 0.856      |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |      |            |        |      |          | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                  |            |

#### NOTES:

- All modes of operation were investigated and the worst-case are reported.
  - Battery condition is fully charged for all readings. *Standard Battery is the ONLY Battery Option.*
  - \* Power Measured ☒ Conducted ☐ EIRP ☐ ERP
  - SAR Measurement System ☒ SPEAG ☐ IDX  
Phantom configuration ☒ Flat Phantom
  - SAR Configuration ☐ Head ☒ Body ☐ Hand
  - \*\* Test Configuration ☐ Holster ☒ Without Holster
- Spacing = 1.5cm from flat phantom to the back top & base of phone, and 1.5cm from flat phantom to fixed antenna. The worst-case spacing of 1.5cm is noted and specified in the User's Manual on the RF Exposure Warning page.

  
Randy Ortanez  
President



Figure 27. Body SAR Test Setup