

SAR DATA SUMMARY (Continued)

15.5 MEASUREMENT RESULTS (PCS CDMA Body SAR w/o Holster)								
FREQUENCY		Modulation	Begin / End POWER [‡]		Separation Distance (cm) ^{**}	Antenna Position	SAR (W/kg)	
MHz	Ch.		(dBm)	Battery				
0025	1851.25	CDMA	24.7	24.5	Standard	1.5 [w/o Earphone]	In	0.309
0600	1880.00	CDMA	24.7	24.5	Standard	1.5 [w/o Earphone]	Out	0.535
1175	1908.75	CDMA	24.7	24.5	Standard	1.5 [w/o Earphone]	Out	0.303
0025	1851.25	CDMA	24.7	24.5	Standard	1.5 [w/ Earphone]	In	0.305
0600	1880.00	CDMA	24.7	24.5	Standard	1.5 [w/ Earphone]	Out	0.533
1175	1908.75	CDMA	24.7	24.5	Standard	1.5 [w/ Earphone]	Out	0.300
ANSI / IEEE C95.1 1992 - SAFETY LIMIT						Muscle		
Spatial Peak						1.6 W/kg (mW/g)		
Uncontrolled Exposure/General Population						averaged over 1 gram		

ENVIRONMENTAL AND TISSUE CONDITIONS			
Mixture Type	1900MHz Muscle	Ambient TEMPERATURE (°C)	22.2
Conductivity	1.52	Relative HUMIDITY (%)	60.1
Permittivity	53.3	Atmospheric PRESSURE (kPa)	99.6
Measured Depth of Simulating Tissue	15.5 cm	Measured Tissue TEMPERATURE (°C)	22.0

NOTES:

- The test data reported are the worst-case SAR value with the antenna-head position set in atypical configuration. Test procedures used are according to FCC/OET Bulletin 65, Supp.C [July 2001].
- All modes of operation were investigated, and worst-case results are reported.
- Battery is fully charged for all readings. *Standard Battery is the Only Battery option.*

- | | | | |
|---------------------------|--|---|------------------------------------|
| ‡Power Measured | <input checked="" type="checkbox"/> Conducted | <input type="checkbox"/> ERP | <input type="checkbox"/> EIRP |
| 4. SAR Measurement System | <input checked="" type="checkbox"/> DASY3 | <input type="checkbox"/> IDX | <input type="checkbox"/> |
| Phantom Configuration | <input type="checkbox"/> Right Head | <input checked="" type="checkbox"/> Flat Phantom | <input type="checkbox"/> Left Head |
| 5. SAR Configuration | <input type="checkbox"/> Head | <input checked="" type="checkbox"/> Body | <input type="checkbox"/> Hand |
| 6. Test Signal Call Mode | <input checked="" type="checkbox"/> Manu. Test Codes | <input type="checkbox"/> Base Station Simulator | |
| 7. **Test Configuration | <input type="checkbox"/> With Holster | <input checked="" type="checkbox"/> Without Holster | |

Spacing = 1.7cm from flat phantom to the back top & base of phone, 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



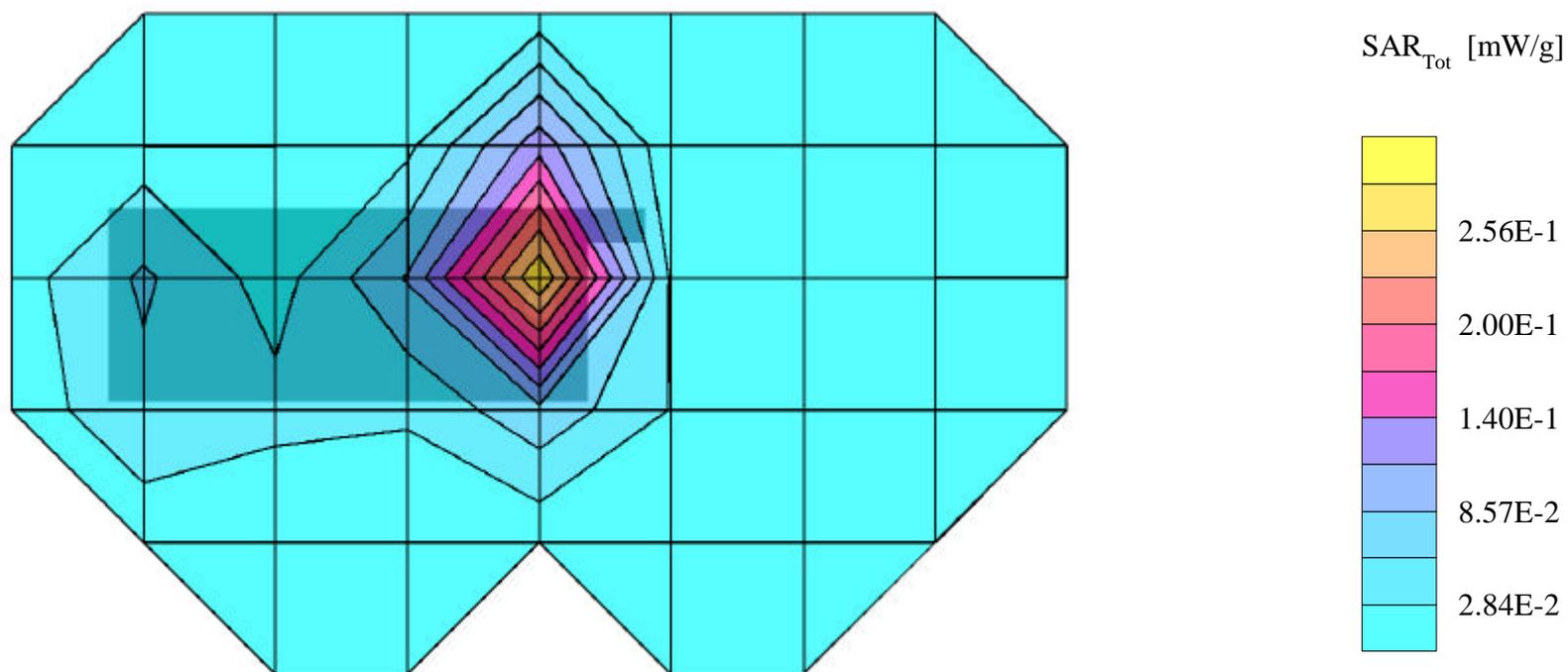
Figure 15.5 Body SAR Test Setup
-- w/o Holster --

PCTEST™ SAR TEST REPORT		SAR EVALUATION REPORT PCS CDMA ONLY PHONE		Reviewed by: Quality Manager
SAR Filename: SAR-220204034.BEJ	Test Dates: February 4-5, 2002	Phone Type: PCS CDMA Only	FCC ID: BEILP1000	Page 23 of 26

LGE FCC ID: BEJLP1000 -- PCS CDMA Body SAR

SAM Phantom; Flat Section; Probe: ET3DV6 - SN1560 -- Probe Cal Date 20/02/01; ConvF(4.70,4.70,4.70)
Med. Parameters 1900 MHz Muscle: $\sigma = 1.52$ mho/m $\epsilon_r = 53.3$ $\rho = 1.00$ g/cm³; Antenna Position -- Out; Crest Factor 1.0
SAR (1g): 0.305 mW/g, SAR (10g): 0.176 mW/g

LGE PCS CDMA phone Model: LG-LP1000
PCS CDMA Mode, Ch.0025 [1851.25MHz]; Flat Phantom; Standard Battery
Conducted Power = 24.5dBm; Spacing = 1.5cm from flat phantom to closest point of fixed antenna, No BeltClip/No Holster
Test Date -- 02/05/2002 [FCC/OET Bulletin 65 - Supplement C, July 2001]



a	b	c	d	e = f(d,k)	f	g	h = cxf/e	i = cxg/e	k
Uncertainty Component	Sec.	Tol. (± %)	Prob. Dist.	Div.	c_i (1 - g)	c_i (10 - g)	1 - g u_i (± %)	10 - g u_i (± %)	v_i
Measurement System									
Probe Calibration	E1.1	3.0	N	1	1	1	6.0	6.0	∞
Axial Isotropy	E1.2	4.88	R	$\sqrt{3}$	$(1-cp)^{1/2}$	$(1-cp)^{1/2}$	1.8	1.8	∞
Hemishperical Isotropy	E1.2	9.6	R	$\sqrt{3}$	$\sqrt{c_p}$	$\sqrt{c_p}$	3.7	3.7	∞
Boundary Effect	E1.3	11.0	R	$\sqrt{3}$	1	1	6.4	6.4	∞
Linearity	E1.4	4.7	R	$\sqrt{3}$	1	1	3.4	3.4	∞
System Detection Limits	E1.5	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
Readout Electronics	E1.6	1.0	R	1	1	1	1.0	1.0	∞
Response Time	E1.7	0.8	R	$\sqrt{3}$	1	1	0.3	0.3	∞
Integration Time	E1.8	1.7	R	$\sqrt{3}$	1	1	0.2	0.2	∞
RF Ambient Conditions	E5.1	1.2	R	$\sqrt{3}$	1	1	0.7	0.7	∞
Probe Positioner Mechanical Tolerance	E5.2	0.4	R	$\sqrt{3}$	1	1	0.2	0.2	∞
Probe Positioning w/ respect to Phantom	E5.3	2.9	R	$\sqrt{3}$	1	1	1.7	1.7	∞
Extrapolation, Interpolation & Integration Algorithms for Max. SAR Evaluation	E4.2	3.9	R	$\sqrt{3}$	1	1	2.3	2.3	∞
Test Sample Related									
Test Sample Positioning	E3.2.1		R	$\sqrt{3}$	1	1	6.1	6.1	11
Device Holder Uncertainty	E3.1.1		R	$\sqrt{3}$	1	1	5.0	5.0	8
Output Power Variation - SAR drift measurement	5.6.2	5.0	R	$\sqrt{3}$	1	1	2.9	2.9	∞
Phantom & Tissue Parameters									
Phantom Uncertainty (Shape & Thickness tolerances)	E2.1	4.0	R	$\sqrt{3}$	1	1	2.1	2.1	∞
Liquid Conductivity - deviation from target values	E2.2	5.0	R	$\sqrt{3}$	0.7	0.5	2.0	1.4	∞
Liquid Conductivity - measurement uncertainty	E2.2	10.0	R	$\sqrt{3}$	0.7	0.5	4.0	2.9	∞
Liquid Permittivity - deviation from target values	E2.2	5.0	R	$\sqrt{3}$	0.6	0.5	1.7	1.4	∞
Liquid Permittivity - measurement uncertainty	E2.2	5.0	R	$\sqrt{3}$	0.6	0.5	1.7	1.4	∞
Combined Standard Uncertainty (k=1)			RSS				14.7	14.3	
Expanded Uncertainty (k=2) (95% CONFIDENCE LEVEL)							29.4	28.6	

The above measurement uncertainties are according to IEEE Std. 1528-200x (July, 2001)