PCTEST ENGINEERING LABORATORY, INC.

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CERTIFICATE OF COMPLIANCE (SAR EVALUATION)

APPLICANT NAME & ADDRESS:
LG Electronics Inc.
Communication Terminal Research Lab
459-9, Kasan-dong, Keumchun-Ku
Seoul 153-023, Korea
Attn: E.S. Park, Research Engineer

DATE & LOCATION OF TESTING:
Dates of Tests: February 4-5, 2002
Test Report S/N: SAR.220204037.BEJ
Test Site: PCTEST Lab, Columbia, MD USA

FCC ID:	**BEJSP3100**
APPLICANT:	**LG ELECTRONICS, INC.**

EUT Type:	**Single-Mode PCS Phone (PCS CDMA)**
Tx Frequency:	**1851.25 – 1908.75 MHz (PCS CDMA)**
Rx Frequency:	**1931.25 – 1988.75 MHz (PCS CDMA)**
Max. RF Output Power:	**0.279 W EIRP PCS CDMA (24.451 dBm)**
Max. SAR Measurement:	**1.240mW/g PCS CDMA Head SAR; 0.766mW/g PCS CDMA Body SAR**
Trade Name/Model(s):	***LG-SP3100***
FCC Classification:	**Licensed Portable Transmitter Held to Ear (PCE)**
FCC Rule Part(s):	**§2.1093; FCC/OET Bulletin 65 Supplement C [July 2001]**
Application Type:	**Certification**
Test Device Serial No.:	***identical* prototype**
Antenna Manufacturer:	**ACE TECHNOLOGY**
Antenna Dimensions:	**Length = 7.2 cm. [Helical / Whip]**

This wireless portable device has been shown to be capable of compliance for localized specific absorption rate (SAR) for uncontrolled environment/general population exposure limits specified in ANSI/IEEE Std. C95.1-1992 and had been tested in accordance with the measurement procedures specified in FCC/OET Bulletin 65 Supplement C (2001) and IEEE Std. 1528-200X (Draft 6.4, July 2001).

I attest to the accuracy of data. All measurements reported herein were performed by me or were made under my supervision and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them.

PCTEST certifies that no party to this application has been denied the FCC benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. 862.

Randy Ortanez
President

12. SYSTEM VERIFICATION

Tissue Verification

Table 12.1 Simulated Tissue Verification [5]

MEASURED TISSUE PARAMETERS									
Date(s)	01/28/02	835MHz Brain		835MHz Muscle		1900MHz Brain		1900MHz Muscle	
Liquid Temperature (°C)	22.3	Target	Measured	Target	Measured	Target	Measured	Target	Measured
Dielectric Constant: ε		41.50	N/A	55.20	N/A	40.00	40.10	53.30	53.38
Conductivity: σ		0.900	N/A	0.970	N/A	1.400	1.45	1.520	1.55

Test System Validation

Prior to assessment, the system is verified to the ±10% of the specifications at 835MHz and 1900MHz by using the system validation kit(s). (Graphic Plots Attached)

Table 12.2 System Validation [5]

Date(s)	02/04/02	SYSTEM DIPOLE VALIDATION TARGET & MEASURED			
Liquid Temperature (°C)	22.0				
System Validation Kit: D-835V2, S/N: 406	835MHz Brain	Targeted SAR_{1g} (mW/g) 2.375		Measured SAR_{1g} (mW/g) **N/A**	Deviation (%) **N/A**
System Validation Kit: D-835V2, S/N: 406	835MHz Muscle	Targeted SAR_{1g} (mW/g) 2.375		Measured SAR_{1g} (mW/g) **N/A**	Deviation (%) **N/A**
System Validation Kit: D-1900V2, S/N: 502	1900MHz Brain	Targeted SAR_{1g} (mW/g) 9.925		Measured SAR_{1g} (mW/g) **9.90**	Deviation (%) **- 0.3**
System Validation Kit: D-1900V2, S/N: 502	1900MHz Muscle	Targeted SAR_{1g} (mW/g) 9.925		Measured SAR_{1g} (mW/g) **9.86**	Deviation (%) **- 0.7**

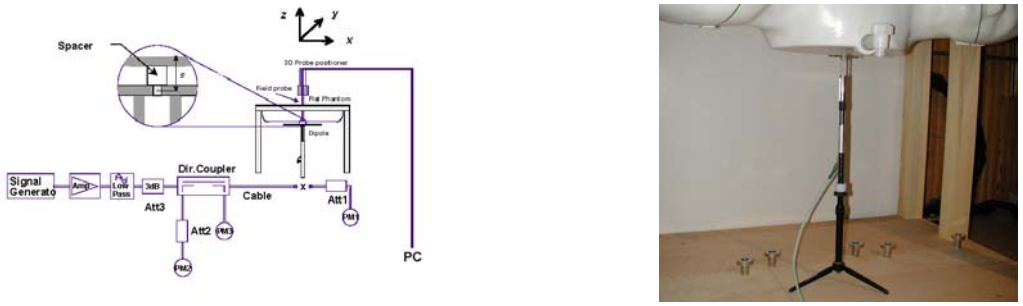


Figure 12.1 Dipole Validation Test Setup

13. SAR TEST DATA SUMMARY

See Measurement Result Data Pages

Procedures Used To Establish Test Signal

The handset was placed into simulated call mode (AMPS, Cellular CDMA & PCS CDMA modes) using manufacturers test codes. Such test signals offer a consistent means for testing SAR and are recommended for evaluating SAR [4]. When test modes are not available or inappropriate for testing a handset, the actual transmission is activated through a base station simulator or similar equipment. See data pages for actual procedure used in measurement.

Device Test Conditions

The handset is battery operated. Each SAR measurement was taken with a fully charged battery. In order to verify that the device was tested at full power, conducted output power measurements were performed before and after each SAR measurement to confirm the output power. If a conducted power deviation of more than 5% occurred, the test was repeated.

EUT Handset Reference Points

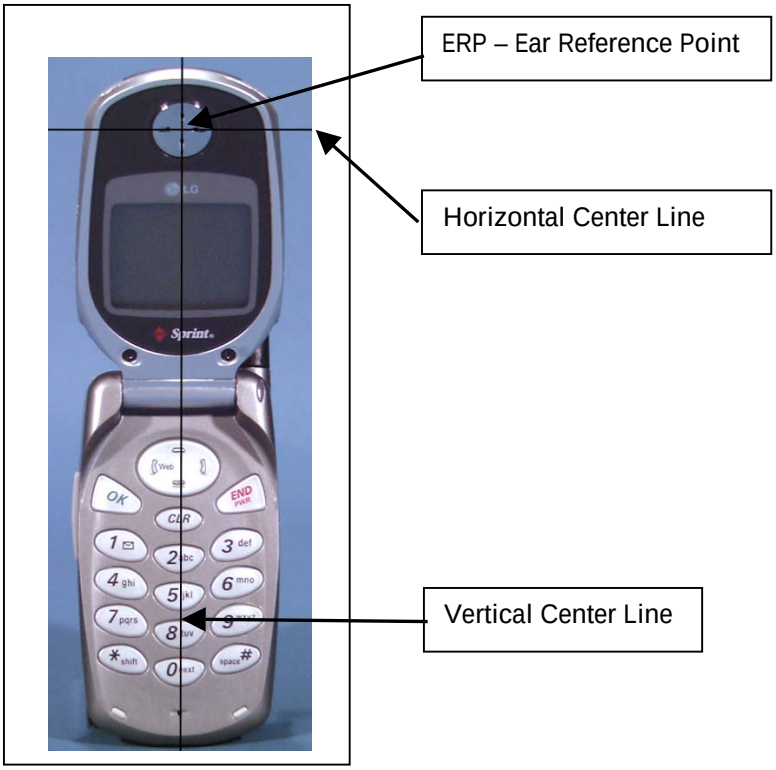


Figure 13.1 Handset Reference Points

SAR DATA SUMMARY

Mixture Type:	1900MHz Brain
Dielectric Constant:	40.10
Conductivity:	1.45

14.1 MEASUREMENT RESULTS (PCS CDMA Right Head SAR – Touch)

FREQUENCY		Modulation	Begin / End POWER‡			Device Test Position	Antenna Position	SAR (W/kg)
MHz	Ch.		(dBm)		Battery			
1851.25	0025	CDMA	24.7	24.5	Standard	Cheek / Touch	In	**0.685**
1851.25	0025	CDMA	24.7	24.5	Standard	Cheek / Touch	Out	**0.932**
1880.00	0600	CDMA	24.7	24.5	Standard	Cheek / Touch	In	**0.685**
1880.00	0600	CDMA	24.7	24.5	Standard	Cheek / Touch	Out	**1.040**
1908.75	1175	CDMA	24.7	24.5	Standard	Cheek / Touch	In	**0.657**
1908.75	1175	CDMA	24.7	24.5	Standard	Cheek / Touch	Out	**0.825**
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						**Brain 1.6 W/kg (mW/g) averaged over 1 gram**		

NOTES:

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

	‡Power Measured	☒	Conducted	☐	ERP	☐	EIRP
4.	SAR Measurement System	☒	DASY3	☐	IDX	☐	
	Phantom Configuration	☐	Left Head	☐	Flat Phantom	☒	Right Head
5.	SAR Configuration	☒	Head	☐	Body	☐	Hand
6.	Test Signal Call Mode	☒	Manu. Test Codes	☐	Base Station Simulator		

Randy Ortanez
President

Figure 14.1 Right Head SAR Test Setup -- Cheek / Touch Position --

SAR DATA SUMMARY (Continued)

Mixture Type:	1900MHz Brain
Dielectric Constant:	40.10
Conductivity:	1.45

14.2 MEASUREMENT RESULTS (PCS CDMA Right Head SAR – Tilt)

FREQUENCY		Modulation	Begin / End POWER‡			Device Test Position	Antenna Position	SAR (W/kg)
MHz	Ch.		(dBm)		Battery			
1851.25	0025	CDMA	24.7	24.5	Standard	Ear / 15° Tilt	In	**0.110**
1851.25	0025	CDMA	24.7	24.5	Standard	Ear / 15° Tilt	Out	**0.164**
1880.00	0600	CDMA	24.7	24.5	Standard	Ear / 15° Tilt	In	**0.121**
1880.00	0600	CDMA	24.7	24.5	Standard	Ear / 15° Tilt	Out	**0.167**
1908.75	1175	CDMA	24.7	24.5	Standard	Ear / 15° Tilt	In	**0.120**
1908.75	1175	CDMA	24.7	24.5	Standard	Ear / 15° Tilt	Out	**0.186**
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						**Brain 1.6 W/kg (mW/g) averaged over 1 gram**		

NOTES:

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

	‡Power Measured	☒	Conducted	☐	ERP	☐	EIRP
4.	SAR Measurement System	☒	DASY3	☐	IDX	☐	
	Phantom Configuration	☐	Left Head	☐	Flat Phantom	☒	Right Head
5.	SAR Configuration	☒	Head	☐	Body	☐	Hand
6.	Test Signal Call Mode	☒	Manu. Test Codes	☐	Base Station Simulator		

Randy Ortanez
President

Figure 14.2 Right Head SAR Test Setup -- Ear / Tilt Position --

SAR DATA SUMMARY (Continued)

Mixture Type:	1900MHz Brain
Dielectric Constant:	40.10
Conductivity:	1.45

14.3 MEASUREMENT RESULTS (PCS CDMA Left Head SAR – Touch)

FREQUENCY		Modulation	Begin / End POWER‡			Device Test Position	Antenna Position	SAR (W/kg)
MHz	Ch.		(dBm)		Battery			
1851.25	0025	CDMA	24.7	24.5	Standard	Cheek / Touch	In	**0.794**
1851.25	0025	CDMA	24.7	24.5	Standard	Cheek / Touch	Out	**1.240**
1880.00	0600	CDMA	24.7	24.5	Standard	Cheek / Touch	In	**0.898**
1880.00	0600	CDMA	24.7	24.5	Standard	Cheek / Touch	Out	**1.230**
1908.75	1175	CDMA	24.7	24.5	Standard	Cheek / Touch	In	**0.785**
1908.75	1175	CDMA	24.7	24.5	Standard	Cheek / Touch	Out	**1.220**
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						**Brain 1.6 W/kg (mW/g) averaged over 1 gram**		

NOTES:

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

	‡Power Measured	☒	Conducted	☐	ERP	☐	EIRP
4.	SAR Measurement System	☒	DASY3	☐	IDX	☐	
	Phantom Configuration	☒	Left Head	☐	Flat Phantom	☐	Right Head
5.	SAR Configuration	☒	Head	☐	Body	☐	Hand
6.	Test Signal Call Mode	☒	Manu. Test Codes	☐	Base Station Simulator		

Randy Ortanez
President

Figure 14.3 Left Head SAR Test Setup -- Cheek / Touch Position --

SAR DATA SUMMARY (Continued)

Mixture Type:	1900MHz Brain
Dielectric Constant:	40.10
Conductivity:	1.45

14.4 MEASUREMENT RESULTS (PCS CDMA Left Head SAR – Tilt)

FREQUENCY		Modulation	Begin / End POWER‡			Device Test Position	Antenna Position	SAR (W/kg)
MHz	Ch.		(dBm)		Battery			
1851.25	0025	CDMA	24.7	24.5	Standard	Ear / 15° Tilt	In	**0.122**
1851.25	0025	CDMA	24.7	24.5	Standard	Ear / 15° Tilt	Out	**0.130**
1880.00	0600	CDMA	24.7	24.5	Standard	Ear / 15° Tilt	In	**0.134**
1880.00	0600	CDMA	24.7	24.5	Standard	Ear / 15° Tilt	Out	**0.168**
1908.75	1175	CDMA	24.7	24.5	Standard	Ear / 15° Tilt	In	**0.164**
1908.75	1175	CDMA	24.7	24.5	Standard	Ear / 15° Tilt	Out	**0.182**
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						**Brain 1.6 W/kg (mW/g) averaged over 1 gram**		

NOTES:

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

	‡Power Measured	☒	Conducted	☐	ERP	☐	EIRP
4.	SAR Measurement System	☒	DASY3	☐	IDX	☐	
	Phantom Configuration	☒	Left Head	☐	Flat Phantom	☐	Right Head
5.	SAR Configuration	☒	Head	☐	Body	☐	Hand
6.	Test Signal Call Mode	☒	Manu. Test Codes	☐	Base Station Simulator		

Randy Ortanez
President

Figure 14.4 Left Head SAR Test Setup -- Ear / Tilt Position --

SAR DATA SUMMARY (Continued)

Mixture Type: 1900MHz Muscle

Dielectric Constant: 53.38

Conductivity: 1.55

14.5 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			
1851.25	0025	CDMA	25.1	25.0	Standard	1.5 [w/o Holster]	In	**0.325**
1851.25	0025	CDMA	25.1	25.0	Standard	1.5 [w/o Holster]	Out	**0.766**
1880.00	0600	CDMA	25.1	25.0	Standard	1.5 [w/o Holster]	In	**0.235**
1880.00	0600	CDMA	25.1	25.0	Standard	1.5 [w/o Holster]	Out	**0.652**
1908.75	1175	CDMA	25.1	25.0	Standard	1.5 [w/o Holster]	In	**0.365**
1908.75	1175	CDMA	25.1	25.0	Standard	1.5 [w/o Holster]	Out	**0.673**
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						**Muscle 1.6 W/kg (mW/g) averaged over 1 gram**		

NOTES:

1. 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].
2. All modes of operation were investigated, and worst-case results are reported.
3. Battery is fully charged for all readings.

‡Power Measured	☒	Conducted	☐	ERP	☐	EIRP	
4. SAR Measurement System	☒	DASY3	☐	IDX	☐		
Phantom Configuration	☐	Left Head	☒	Flat Phantom	☐	Right Head	
5. SAR Configuration	☐	Head	☒	Body	☐	Hand	
6. Test Signal Call Mode	☒	Manu. Test Codes	☐	Base Station Simulator			
7. ‡‡Test Configuration	☐	With Holster	☒	Without Holster			

8. Both sides of the phone were tested and the worst-case side is reported.

Randy Ortanez
President

Figure 14.5 Body SAR Test Setup -- w/o Holster --

15. SAR TEST EQUIPMENT

Equipment Calibration

Table 15.1 Test Equipment Calibration

EQUIPMENT SPECIFICATIONS			
Type		**Calibration Date**	**Serial Number**
Stäubli Robot RX60L		February 2002	599131-01
Stäubli Robot Controller		February 2002	PCT592
Stäubli Teach Pendant (Joystick)		February 2002	3323-00161
Micron Computer, 450 MHz Pentium III, Windows NT		February 2002	PCT577
SPEAG EDC3		February 2002	321
SPEAG DAE3		February 2002	330
SPEAG E-Field Probe ET3DV6		February 2002	1560
SPEAG Dummy Probe		February 2002	PCT583
SPEAG SAM Twin Phantom V4.0		February 2002	PCT666
SPEAG Light Alignment Sensor		February 2002	205
SPEAG Validation Dipole D1900V2		February 2002	PCT613
Brain Equivalent Matter (835MHz)		February 2002	PCTBEM101
Brain Equivalent Matter (1900MHz)		February 2002	PCTBEM301
Muscle Equivalent Matter (835MHz)		February 2002	PCTMEM201
Muscle Equivalent Matter (1900MHz)		February 2002	PCTMEM401
Microwave Amp. Model: 5S1G4, (800MHz - 4.2GHz)		January 2002	22332
Gigatronics 8651A Power Meter		January 2002	1835299
HP-8648D (9kHz ~ 4GHz) Signal Generator		January 2002	PCT530
Amplifier Research 5S1G4 Power Amp		January 2002	PCT540
HP-8753E (30kHz ~ 3GHz) Network Analyzer		January 2002	PCT552
HP85070B Dielectric Probe Kit		January 2002	PCT501
Ambient Noise/Reflection, etc.	<12mW/kg/<3%of SAR	January 2002	Anechoic Room PCT01

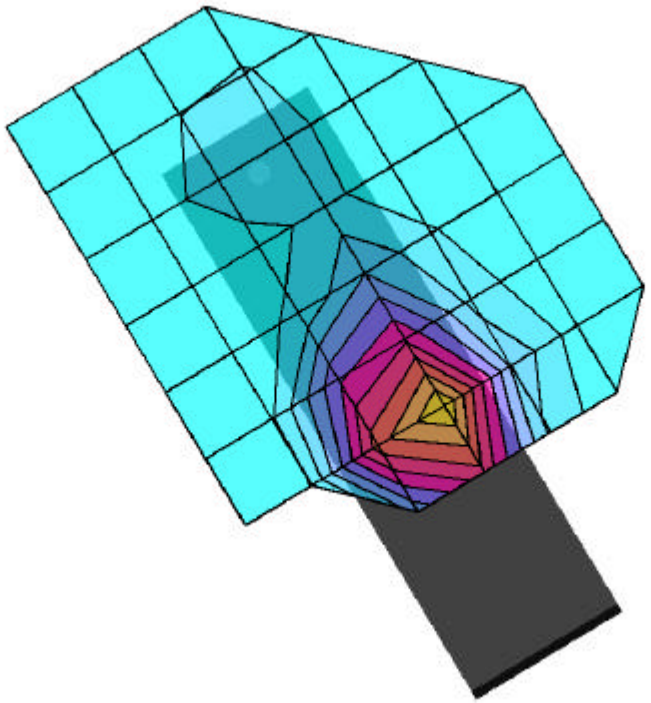
NOTE:

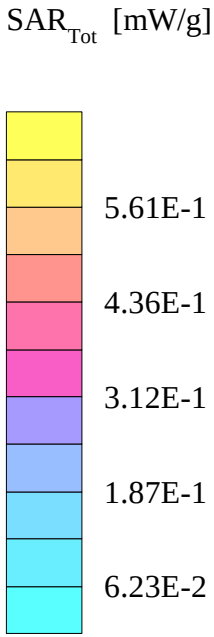
The E-field probe was calibrated by SPEAG, by temperature measurement procedure. Dipole Validation measurement is performed by PCTEST Lab. before each test. The brain simulating material is calibrated by PCTEST using the dielectric probe system and network analyzer to determine the conductivity and permittivity (dielectric constant) of the brain-equivalent material.

LGE FCC ID: BEJSP3100 -- PCS CDMA Head SAR

SAM Phantom; Right Hand Section; Probe: ET3DV6 - SN1560 -- Probe Cal Date 20/02/01; ConvF(5.16,5.16,5.16)
Med. Parameters 1900 MHz Brain: σ = 1.45 mho/m ε_r = 40.1 ρ = 1.00 g/cm^3; Antenna Position -- In; Crest Factor 1.0
SAR (1g): 0.685 mW/g,SAR (10g): 0.400 mW/g

LGE PCS CDMA phone Model: LG-SP3100
PCS CDMA Mode, Ch.0025 [1851.25MHz]; Flip = Open; Standard Battery
Conducted Power = 24.5dBm; Right Head Phantom, Cheek/Touch Position; Meas. Tissue Temp. (°C) - 21.8
Test Date -- 02/04/2002 [FCC/OET Bulletin 65 - Supplement C, July 2001]

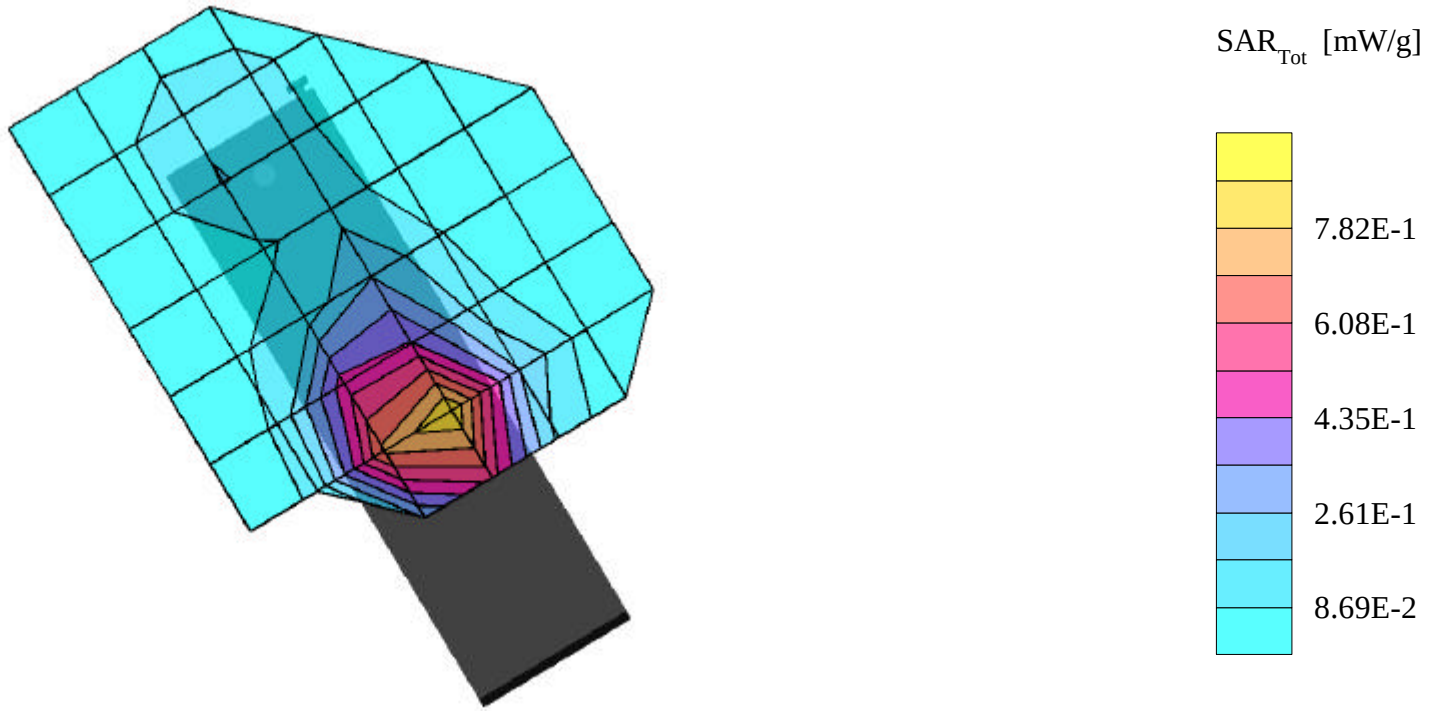




LGE FCC ID: BEJSP3100 -- PCS CDMA Head SAR

SAM Phantom; Right Hand Section; Probe: ET3DV6 - SN1560 -- Probe Cal Date 20/02/01; ConvF(5.16,5.16,5.16)
Med. Parameters 1900 MHz Brain: σ = 1.45 mho/m ε_r = 40.1 ρ = 1.00 g/cm^3; Antenna Position -- Out; Crest Factor 1.0
SAR (1g): 0.932 mW/g SAR (10g): 0.563 mW/g

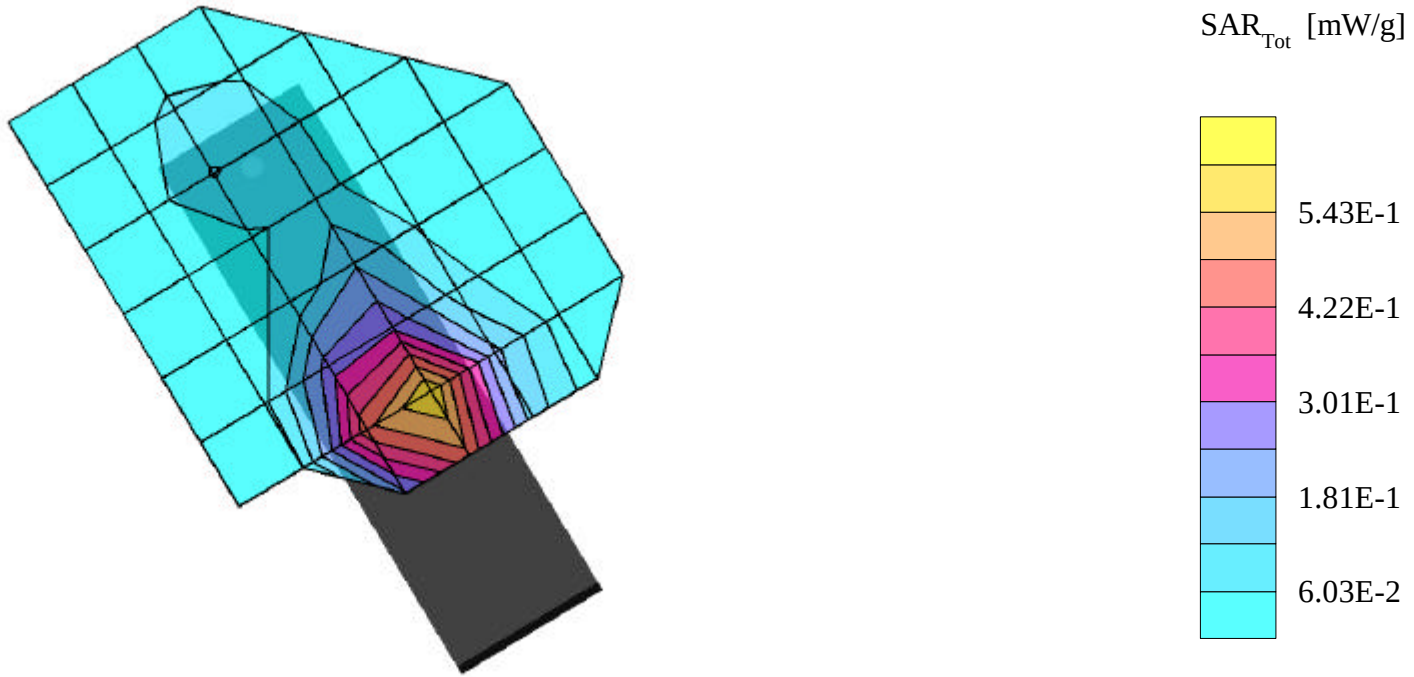
LGE PCS CDMA phone Model: LG-SP3100
PCS CDMA Mode, Ch.0025 [1851.25MHz]; Flip = Open; Standard Battery
Conducted Power = 24.5dBm; Right Head Phantom, Cheek/Touch Position; Meas. Tissue Temp. (°C) - 21.8
Test Date -- 02/04/2002 [FCC/OET Bulletin 65 - Supplement C, July 2001]



LGE FCC ID: BEJSP3100 -- PCS CDMA Head SAR

SAM Phantom; Right Hand Section; Probe: ET3DV6 - SN1560 -- Probe Cal Date 20/02/01; ConvF(5.16,5.16,5.16)
Med. Parameters 1900 MHz Brain: σ = 1.45 mho/m ε_r = 40.1 ρ = 1.00 g/cm^3; Antenna Position -- In; Crest Factor 1.0
SAR (1g): 0.685 mW/g SAR (10g): 0.396 mW/g

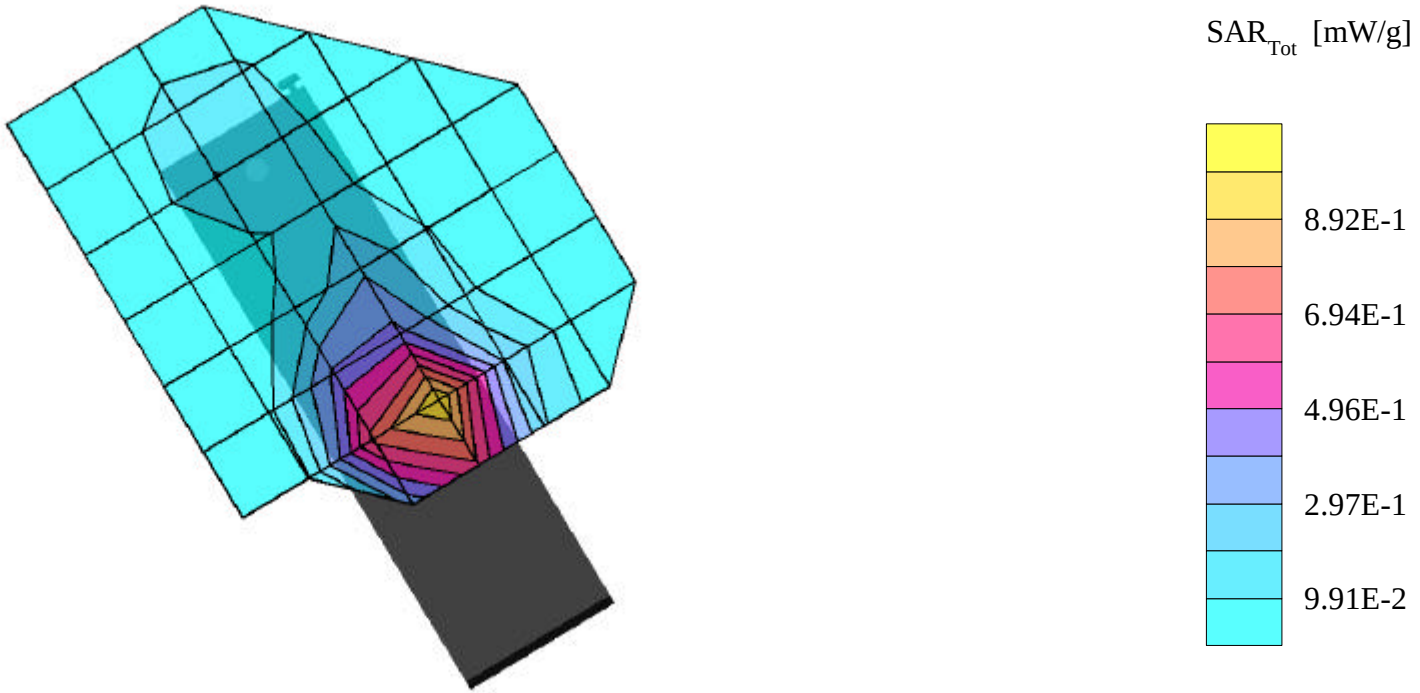
LGE PCS CDMA phone Model: LG-SP3100
PCS CDMA Mode, Ch.0600 [1880.00MHz]; Flip = Open; Standard Battery
Conducted Power = 24.5dBm; Right Head Phantom, Cheek/Touch Position; Meas. Tissue Temp. (°C) - 21.8
Test Date -- 02/04/2002 [FCC/OET Bulletin 65 - Supplement C, July 2001]



LGE FCC ID: BEJSP3100 -- PCS CDMA Head SAR

SAM Phantom; Right Hand Section; Probe: ET3DV6 - SN1560 -- Probe Cal Date 20/02/01; ConvF(5.16,5.16,5.16)
Med. Parameters 1900 MHz Brain: σ = 1.45 mho/m ε_r = 40.1 ρ = 1.00 g/cm^3; Antenna Position -- Out; Crest Factor 1.0
SAR (1g): 1.04 mW/g SAR (10g): 0.588 mW/g

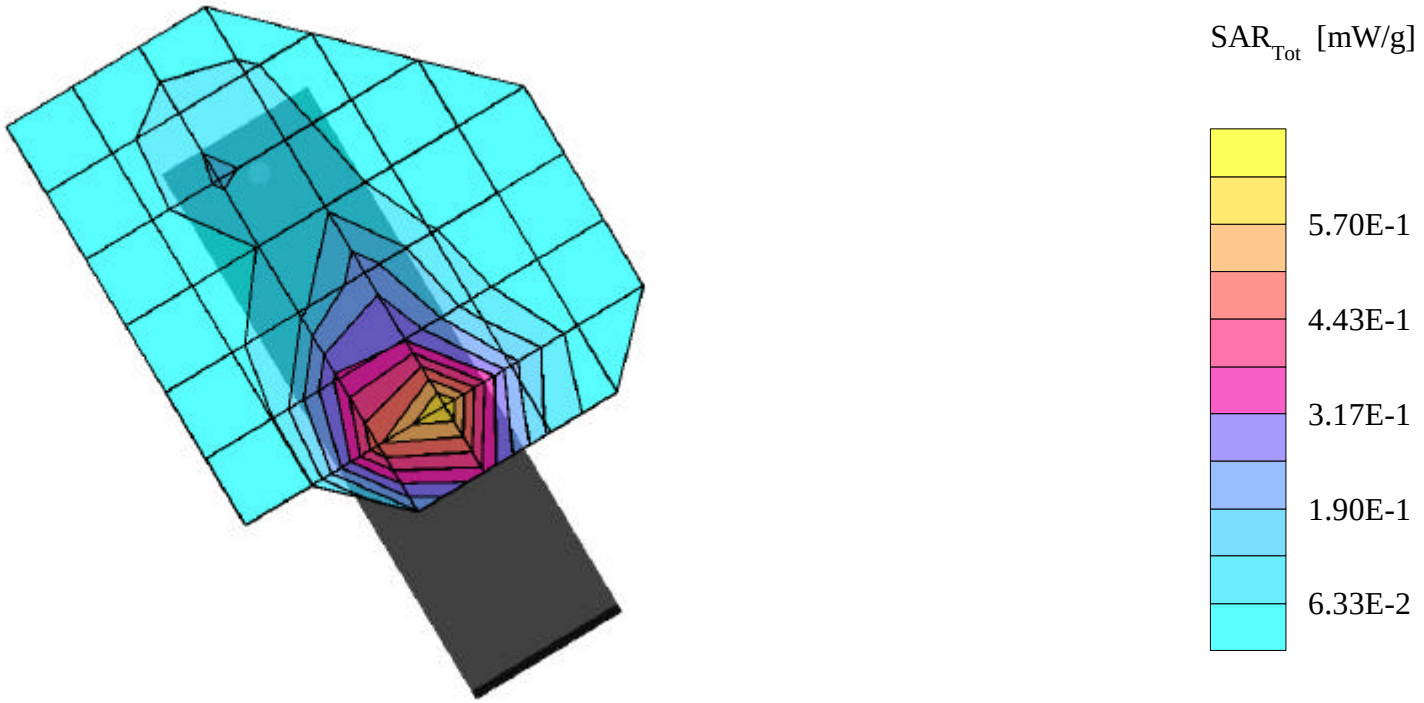
LGE PCS CDMA phone Model: LG-SP3100
PCS CDMA Mode, Ch.0600 [1880.00MHz]; Flip = Open; Standard Battery
Conducted Power = 24.5dBm; Right Head Phantom, Cheek/Touch Position; Meas. Tissue Temp. (°C) - 21.8
Test Date -- 02/04/2002 [FCC/OET Bulletin 65 - Supplement C, July 2001]



LGE FCC ID: BEJSP3100 -- PCS CDMA Head SAR

SAM Phantom; Right Hand Section; Probe: ET3DV6 - SN1560 -- Probe Cal Date 20/02/01; ConvF(5.16,5.16,5.16)
Med. Parameters 1900 MHz Brain: σ = 1.45 mho/m ε_r = 40.1 ρ = 1.00 g/cm^3; Antenna Position -- In; Crest Factor 1.0
SAR (1g): 0.657 mW/g SAR (10g): 0.381 mW/g

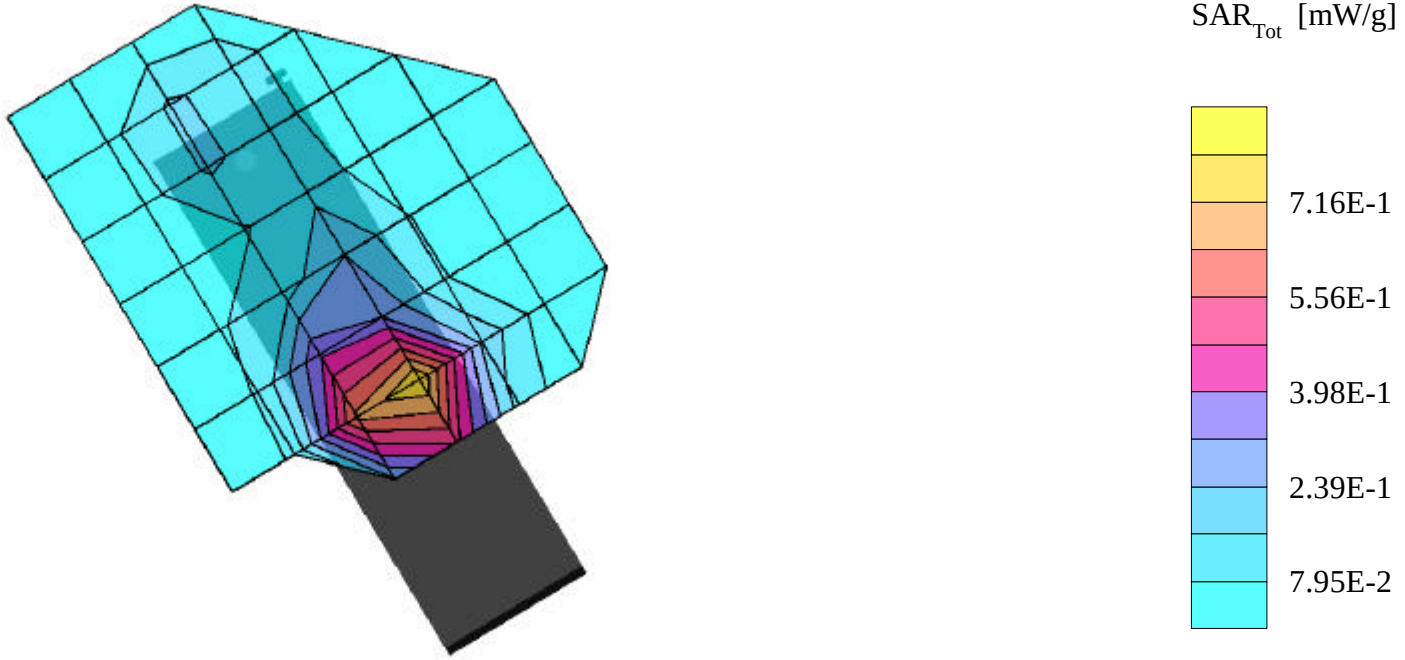
LGE PCS CDMA phone Model: LG-SP3100
PCS CDMA Mode, Ch.1175 [1908.75MHz]; Flip = Open; Standard Battery
Conducted Power = 24.5dBm; Right Head Phantom, Cheek/Touch Position; Meas. Tissue Temp. (°C) - 21.8
Test Date -- 02/04/2002 [FCC/OET Bulletin 65 - Supplement C, July 2001]



LGE FCC ID: BEJSP3100 -- PCS CDMA Head SAR

SAM Phantom; Right Hand Section; Probe: ET3DV6 - SN1560 -- Probe Cal Date 20/02/01; ConvF(5.16,5.16,5.16)
Med. Parameters 1900 MHz Brain: σ = 1.45 mho/m ε_r = 40.1 ρ = 1.00 g/cm^3; Antenna Position -- Out; Crest Factor 1.0
SAR (1g): 0.825 mW/g SAR (10g): 0.487 mW/g

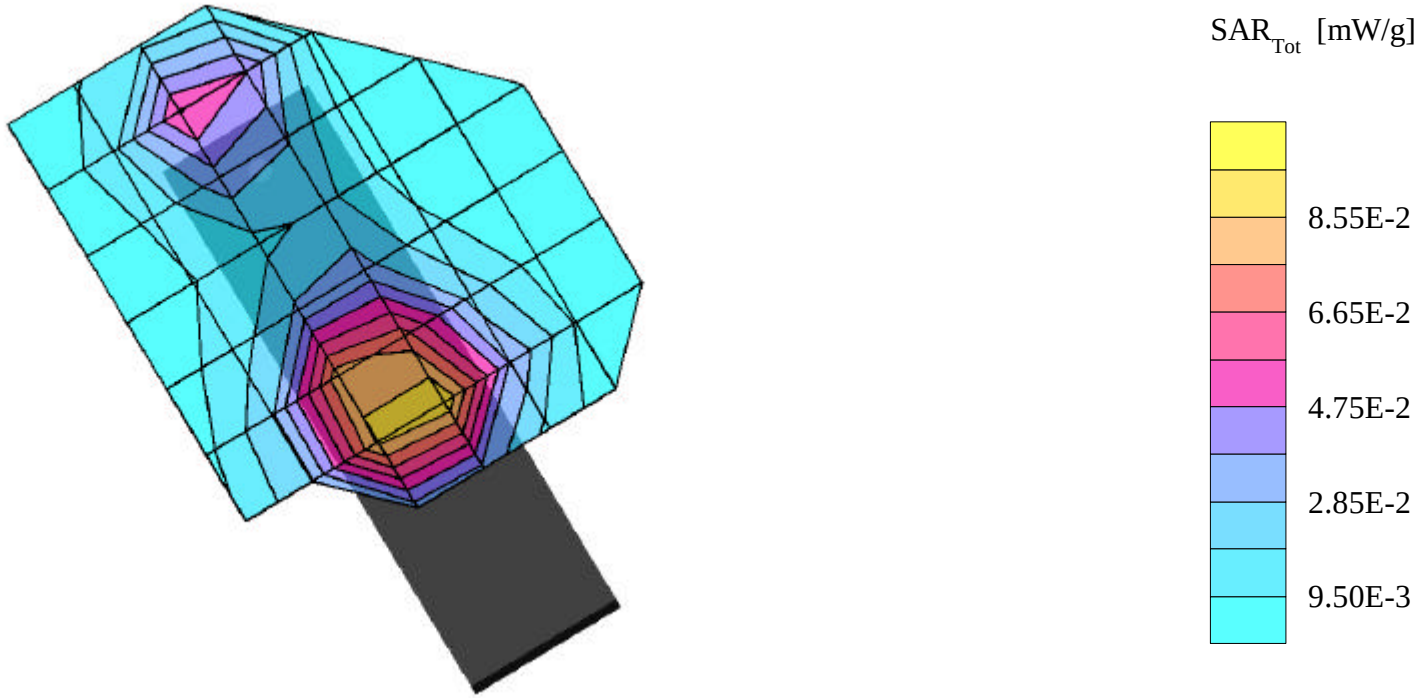
LGE PCS CDMA phone Model: LG-SP3100
PCS CDMA Mode, Ch.1175 [1908.75MHz]; Flip = Open; Standard Battery
Conducted Power = 24.5dBm; Right Head Phantom, Cheek/Touch Position; Meas. Tissue Temp. (°C) - 21.8
Test Date -- 02/04/2002 [FCC/OET Bulletin 65 - Supplement C, July 2001]



LGE FCC ID: BEJSP3100 -- PCS CDMA Head SAR

SAM Phantom; Right Hand Section; Probe: ET3DV6 - SN1560 -- Probe Cal Date 20/02/01; ConvF(5.16,5.16,5.16)
Med. Parameters 1900 MHz Brain: σ = 1.45 mho/m ε_r = 40.1 ρ = 1.00 g/cm^3; Antenna Position -- In; Crest Factor 1.0
SAR (1g): 0.110 mW/g SAR (10g): 0.0646 mW/g

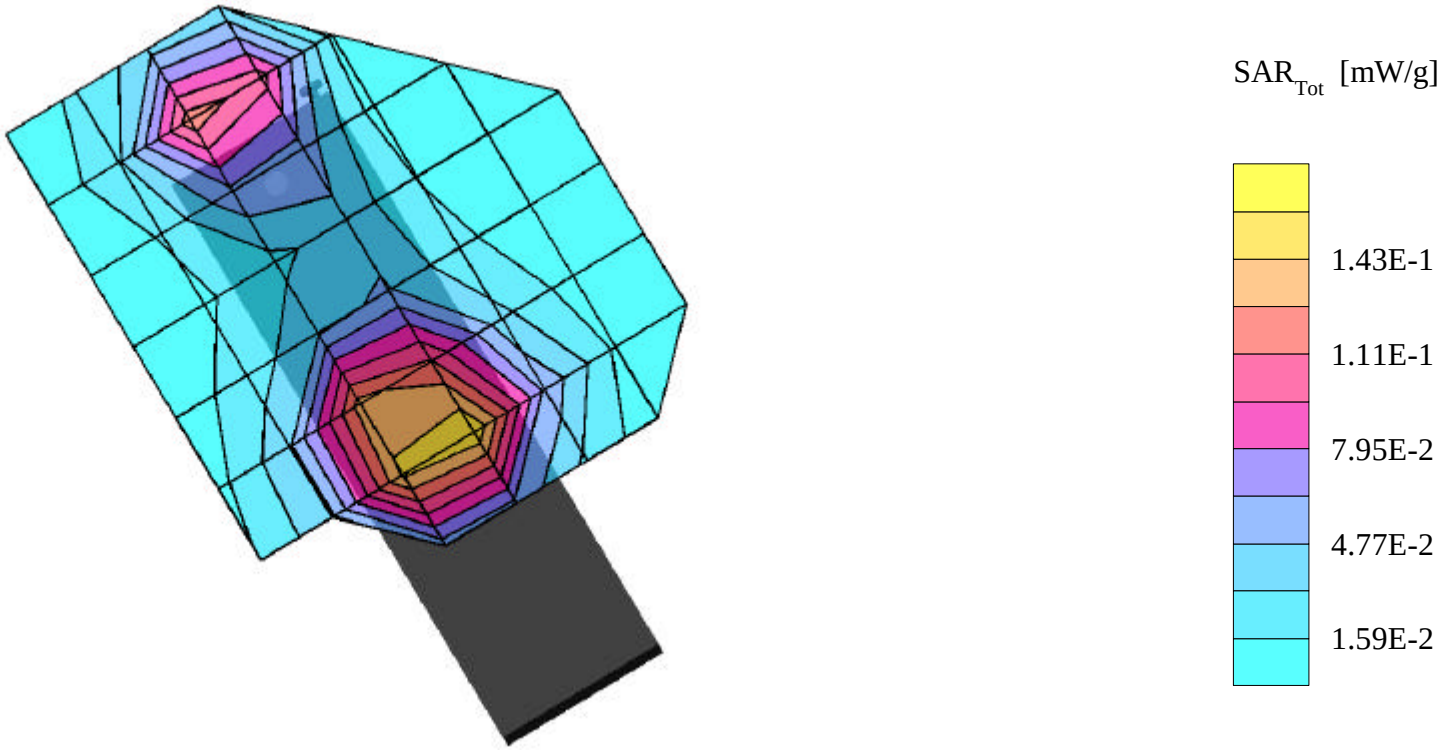
LGE PCS CDMA phone Model: LG-SP3100
PCS CDMA Mode, Ch.0025 [1851.25MHz]; Flip = Open; Standard Battery
Conducted Power = 24.5dBm; Right Head Phantom, Ear/15degree Tilt Position; Meas. Tissue Temp. (°C) - 21.8
Test Date -- 02/04/2002 [FCC/OET Bulletin 65 - Supplement C, July 2001]



LGE FCC ID: BEJSP3100 -- PCS CDMA Head SAR

SAM Phantom; Right Hand Section; Probe: ET3DV6 - SN1560 -- Probe Cal Date 20/02/01; ConvF(5.16,5.16,5.16)
Med. Parameters 1900 MHz Brain: σ = 1.45 mho/m ε_r = 40.1 ρ = 1.00 g/cm^3; Antenna Position -- Out; Crest Factor 1.0
SAR (1g): 0.164 mW/g SAR (10g): 0.0962 mW/g

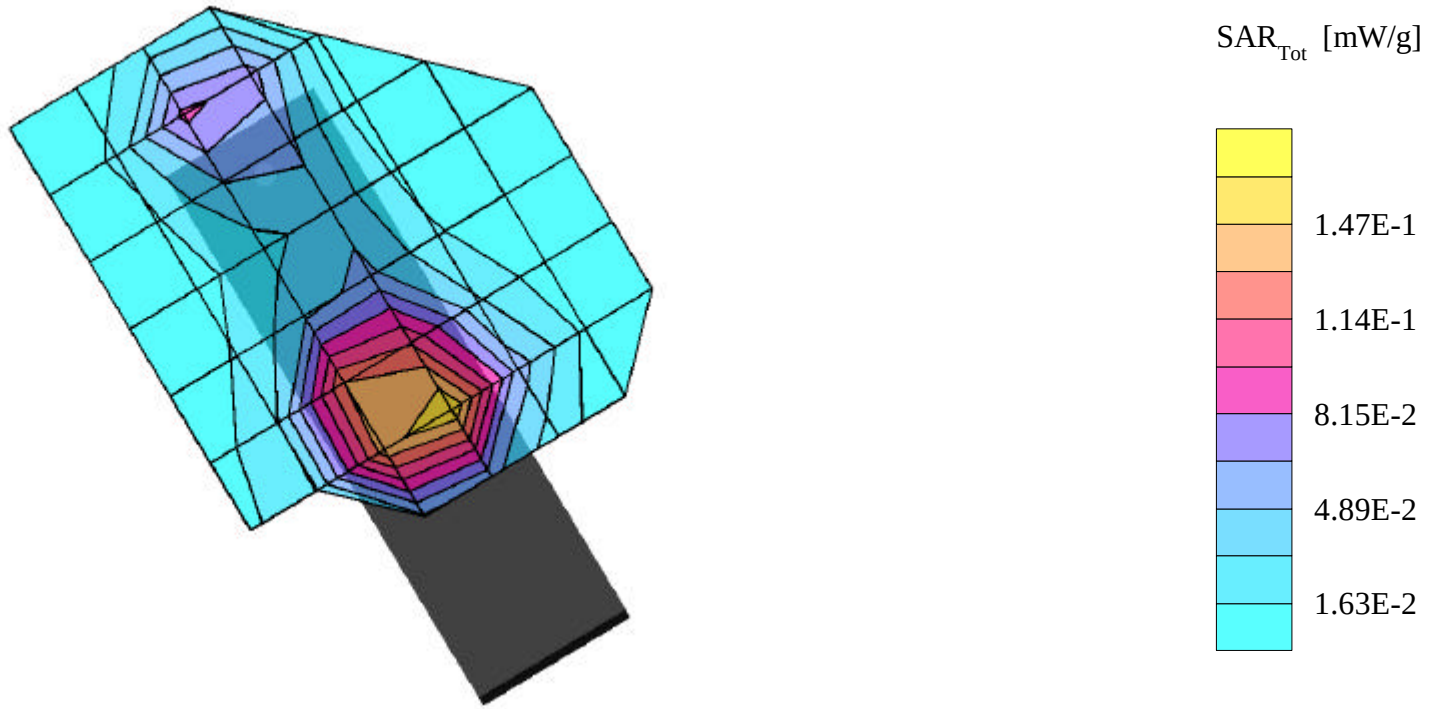
LGE PCS CDMA phone Model: LG-SP3100
PCS CDMA Mode, Ch.0025 [1851.25MHz]; Flip = Open; Standard Battery
Conducted Power = 24.5dBm; Right Head Phantom, Ear/15degree Tilt Position; Meas. Tissue Temp. (°C) - 21.8
Test Date -- 02/04/2002 [FCC/OET Bulletin 65 - Supplement C, July 2001]



LGE FCC ID: BEJSP3100 -- PCS CDMA Head SAR

SAM Phantom; Right Hand Section; Probe: ET3DV6 - SN1560 -- Probe Cal Date 20/02/01; ConvF(5.16,5.16,5.16)
Med. Parameters 1900 MHz Brain: σ = 1.45 mho/m ε_r = 40.1 ρ = 1.00 g/cm^3; Antenna Position -- In; Crest Factor 1.0
SAR (1g): 0.121 mW/g SAR (10g): 0.0699 mW/g

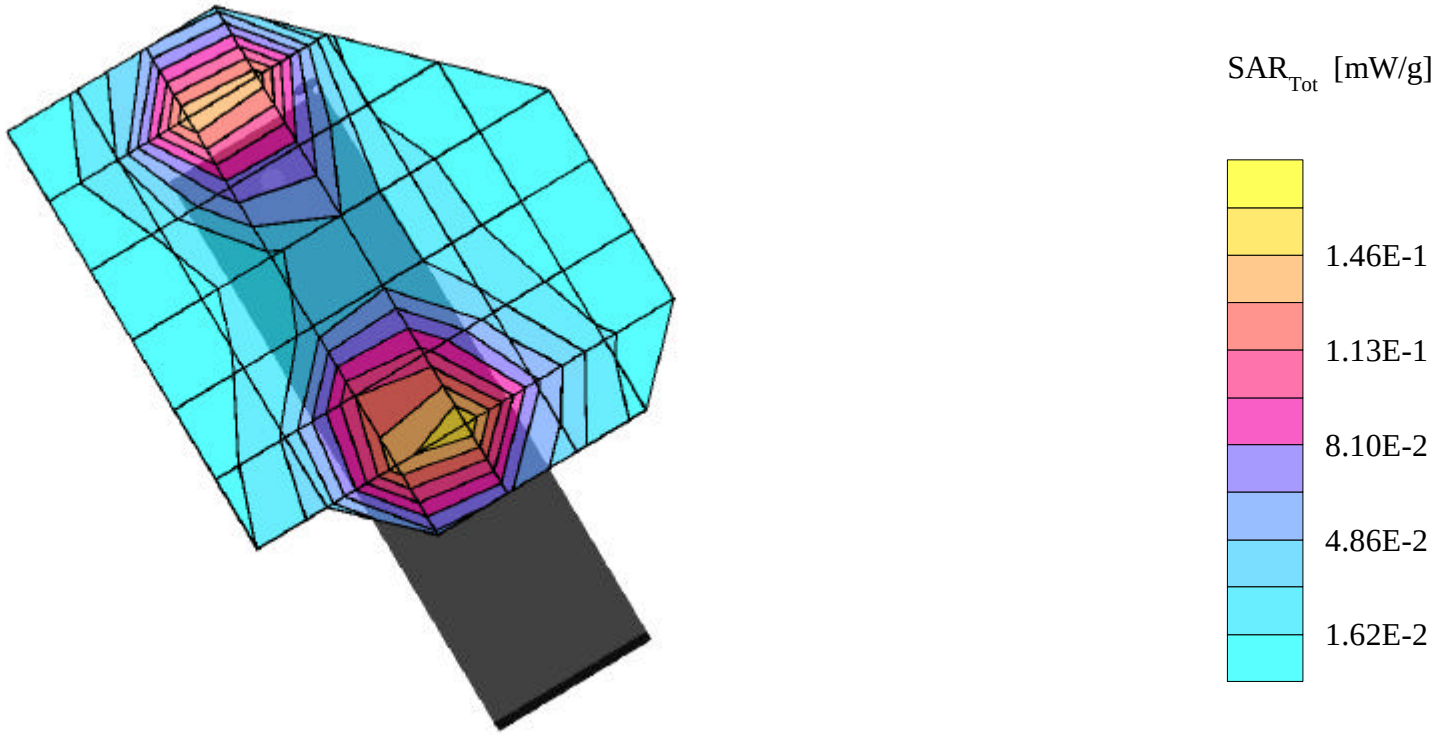
LGE PCS CDMA phone Model: LG-SP3100
PCS CDMA Mode, Ch.0600 [1880.00MHz]; Flip = Open; Standard Battery
Conducted Power = 24.5dBm; Right Head Phantom, Ear/15degree Tilt Position; Meas. Tissue Temp. (°C) - 21.8
Test Date -- 02/04/2002 [FCC/OET Bulletin 65 - Supplement C, July 2001]



LGE FCC ID: BEJSP3100 -- PCS CDMA Head SAR

SAM Phantom; Right Hand Section; Probe: ET3DV6 - SN1560 -- Probe Cal Date 20/02/01; ConvF(5.16,5.16,5.16)
Med. Parameters 1900 MHz Brain: σ = 1.45 mho/m ε_r = 40.1 ρ = 1.00 g/cm^3; Antenna Position -- Out; Crest Factor 1.0
SAR (1g): 0.167 mW/g SAR (10g): 0.0965 mW/g

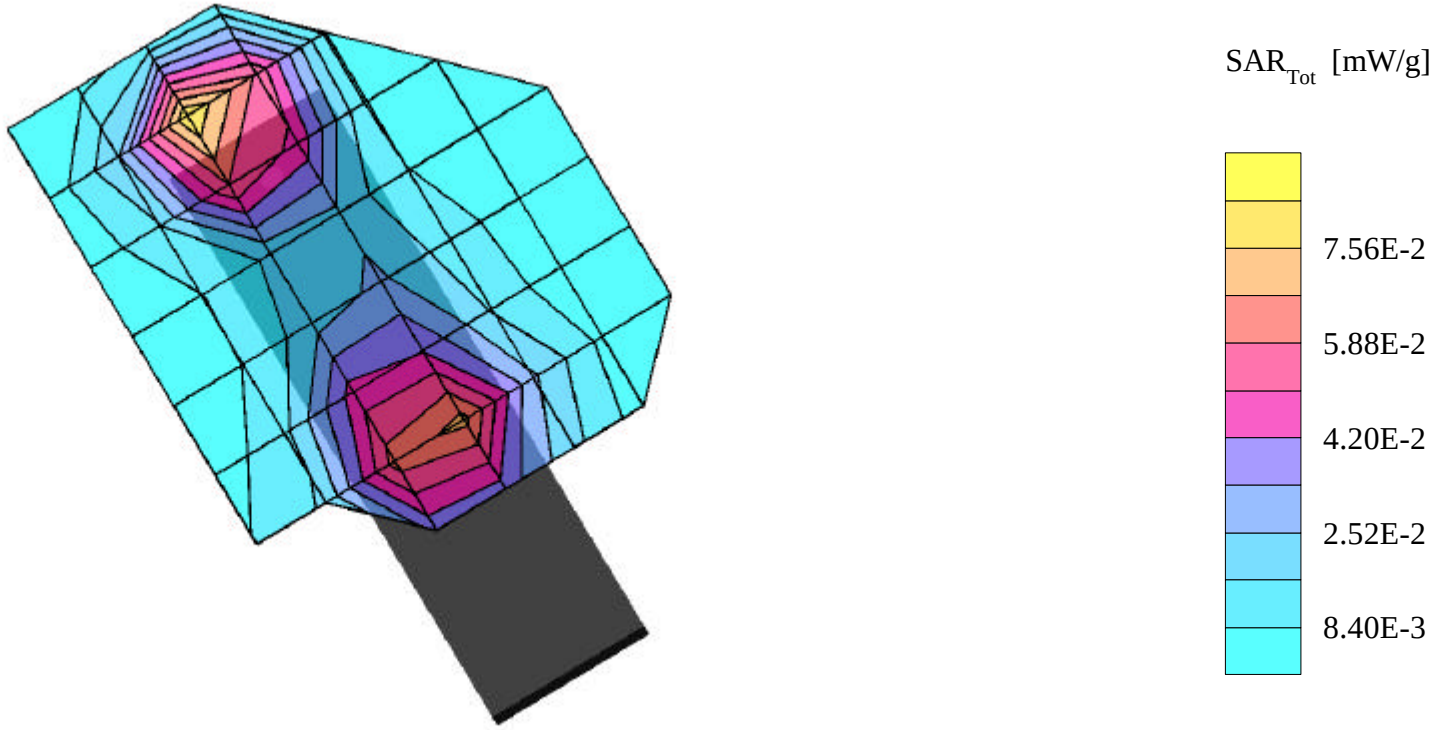
LGE PCS CDMA phone Model: LG-SP3100
PCS CDMA Mode, Ch.0600 [1880.00MHz]; Flip = Open; Standard Battery
Conducted Power = 24.5dBm; Right Head Phantom, Ear/15degree Tilt Position; Meas. Tissue Temp. (°C) - 21.8
Test Date -- 02/04/2002 [FCC/OET Bulletin 65 - Supplement C, July 2001]



LGE FCC ID: BEJSP3100 -- PCS CDMA Head SAR

SAM Phantom; Right Hand Section; Probe: ET3DV6 - SN1560 -- Probe Cal Date 20/02/01; ConvF(5.16,5.16,5.16)
Med. Parameters 1900 MHz Brain: σ = 1.45 mho/m ε_r = 40.1 ρ = 1.00 g/cm^3; Antenna Position -- In; Crest Factor 1.0
SAR (1g): 0.120 mW/g SAR (10g): 0.0631 mW/g

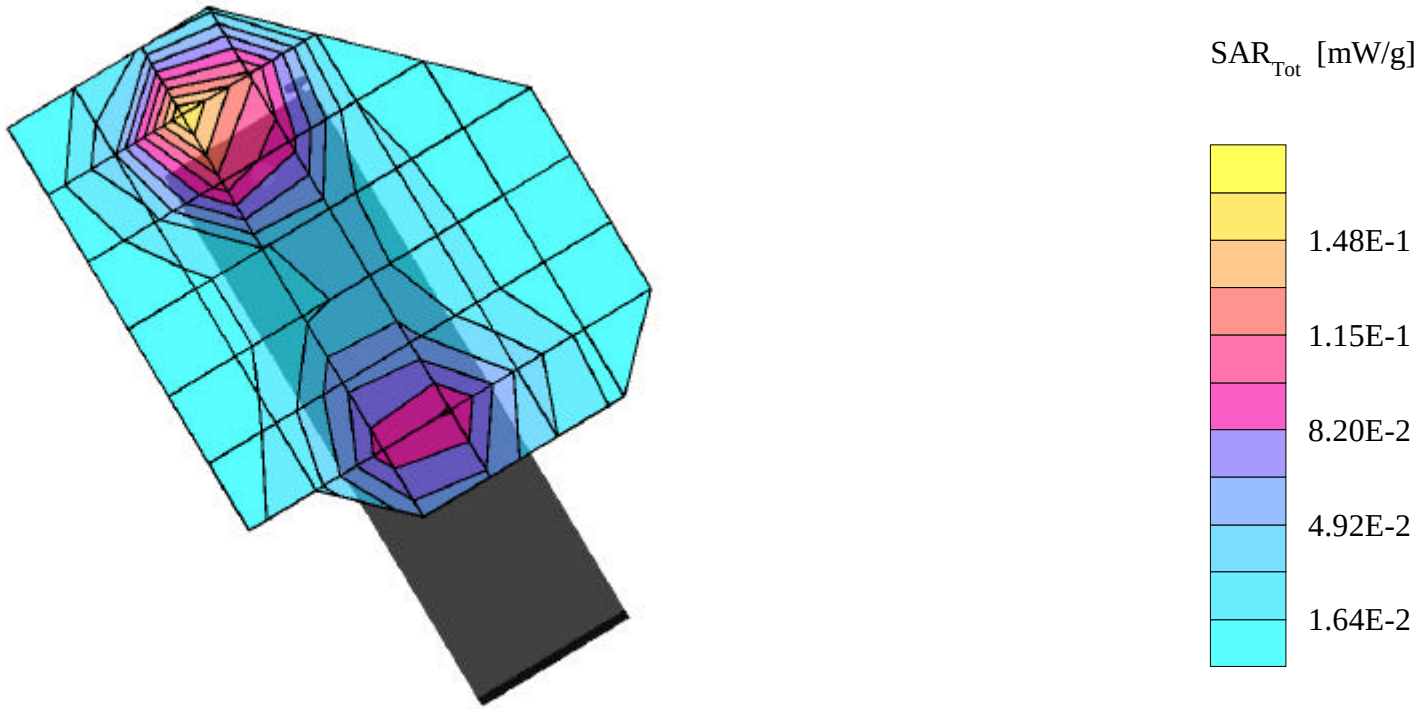
LGE PCS CDMA phone Model: LG-SP3100
PCS CDMA Mode, Ch.1175 [1908.75MHz]; Flip = Open; Standard Battery
Conducted Power = 24.5dBm; Right Head Phantom, Ear/15degree Tilt Position; Meas. Tissue Temp. (°C) - 21.8
Test Date -- 02/04/2002 [FCC/OET Bulletin 65 - Supplement C, July 2001]



LGE FCC ID: BEJSP3100 -- PCS CDMA Head SAR

SAM Phantom; Right Hand Section; Probe: ET3DV6 - SN1560 -- Probe Cal Date 20/02/01; ConvF(5.16,5.16,5.16)
Med. Parameters 1900 MHz Brain: σ = 1.45 mho/m ε_r = 40.1 ρ = 1.00 g/cm^3; Antenna Position -- Out; Crest Factor 1.0
SAR (1g): 0.186 mW/g SAR (10g): 0.0981 mW/g

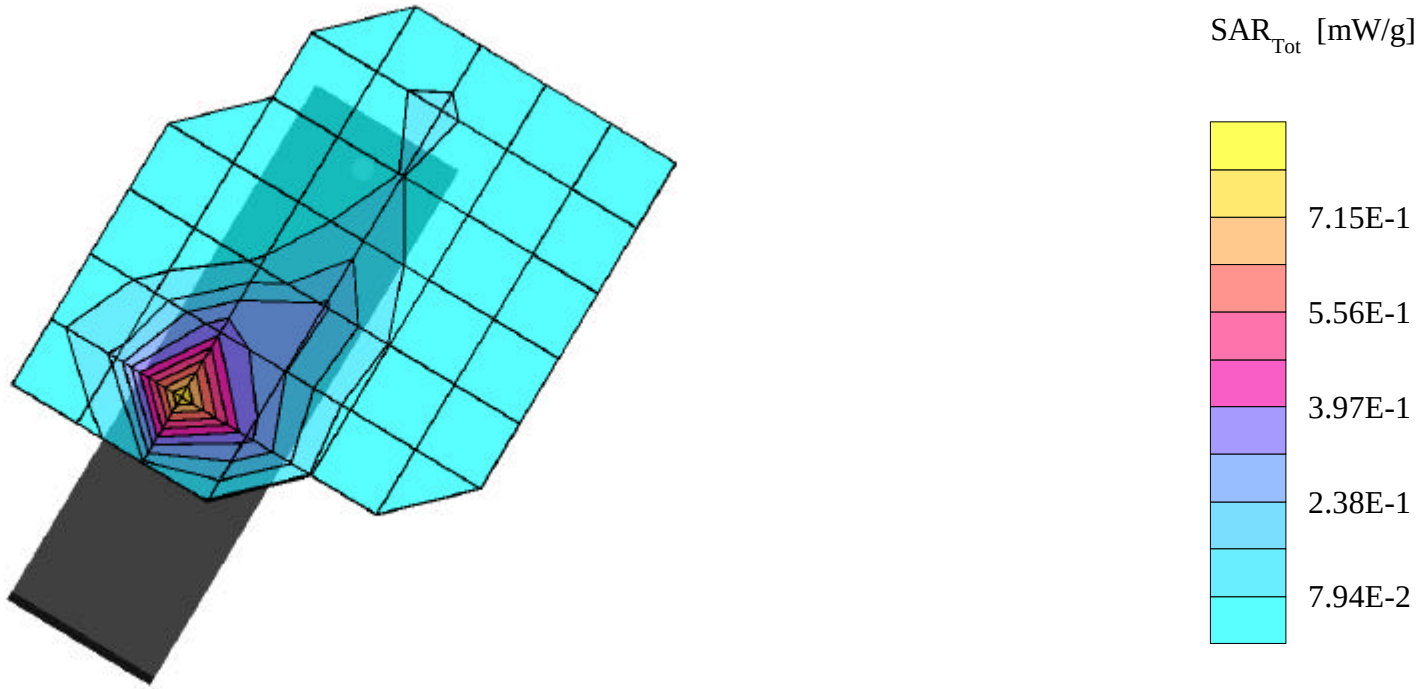
LGE PCS CDMA phone Model: LG-SP3100
PCS CDMA Mode, Ch.1175 [1908.75MHz]; Flip = Open; Standard Battery
Conducted Power = 24.5dBm; Right Head Phantom, Ear/15degree Tilt Position; Meas. Tissue Temp. (°C) - 21.8
Test Date -- 02/04/2002 [FCC/OET Bulletin 65 - Supplement C, July 2001]



LGE FCC ID: BEJSP3100 -- PCS CDMA Head SAR

SAM Phantom; Left Hand Section; Probe: ET3DV6 - SN1560 -- Probe Cal Date 20/02/01; ConvF(5.16,5.16,5.16)
Med. Parameters 1900 MHz Brain: σ = 1.45 mho/m ε_r = 40.1 ρ = 1.00 g/cm^3; Antenna Position -- In; Crest Factor 1.0
SAR (1g): 0.794 mW/g SAR (10g): 0.413 mW/g

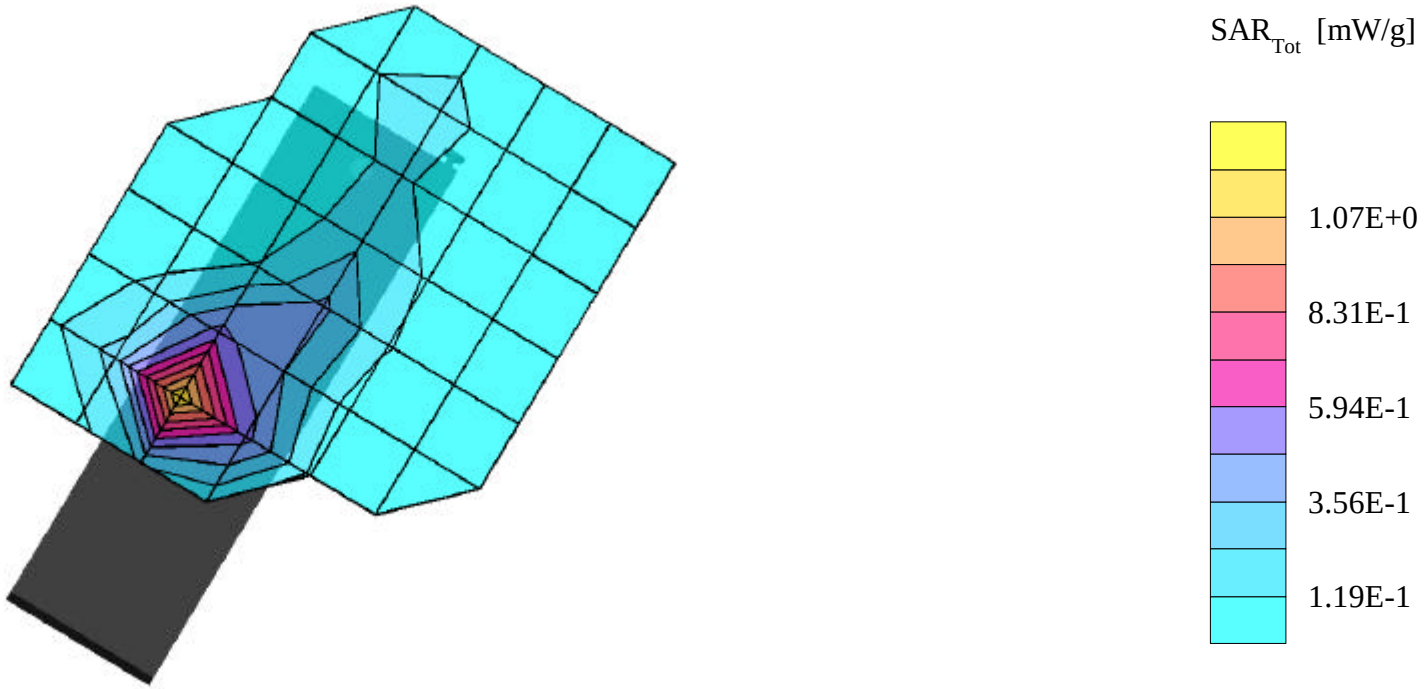
LGE PCS CDMA phone Model: LG-SP3100
PCS CDMA Mode, Ch.0025 [1851.25MHz]; Flip = Open; Standard Battery
Conducted Power = 24.5dBm; Left Head Phantom, Cheek/Touch Position; Meas. Tissue Temp. (°C) - 21.8
Test Date -- 02/04/2002 [FCC/OET Bulletin 65 - Supplement C, July 2001]



LGE FCC ID: BEJSP3100 -- PCS CDMA Head SAR

SAM Phantom; Left Hand Section; Probe: ET3DV6 - SN1560 -- Probe Cal Date 20/02/01; ConvF(5.16,5.16,5.16)
Med. Parameters 1900 MHz Brain: σ = 1.45 mho/m ε_r = 40.1 ρ = 1.00 g/cm^3; Antenna Position -- Out; Crest Factor 1.0
SAR (1g): 1.24 mW/g SAR (10g): 0.635 mW/g

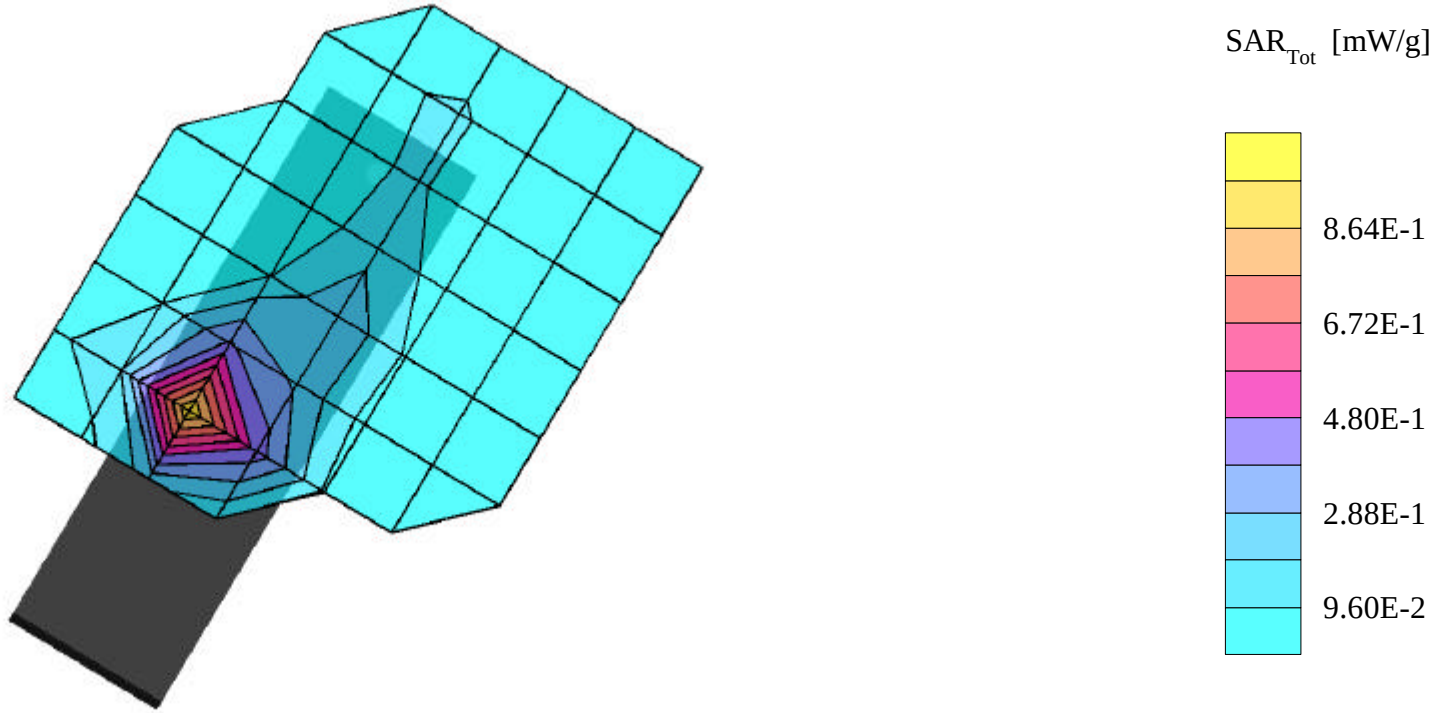
LGE PCS CDMA phone Model: LG-SP3100
PCS CDMA Mode, Ch.0025 [1851.25MHz]; Flip = Open; Standard Battery
Conducted Power = 24.5dBm; Left Head Phantom, Cheek/Touch Position; Meas. Tissue Temp. (°C) - 21.8
Test Date -- 02/04/2002 [FCC/OET Bulletin 65 - Supplement C, July 2001]



LGE FCC ID: BEJSP3100 -- PCS CDMA Head SAR

SAM Phantom; Left Hand Section; Probe: ET3DV6 - SN1560 -- Probe Cal Date 20/02/01; ConvF(5.16,5.16,5.16)
Med. Parameters 1900 MHz Brain: σ = 1.45 mho/m ε_r = 40.1 ρ = 1.00 g/cm^3; Antenna Position -- In; Crest Factor 1.0
SAR (1g): 0.898 mW/g SAR (10g): 0.471 mW/g

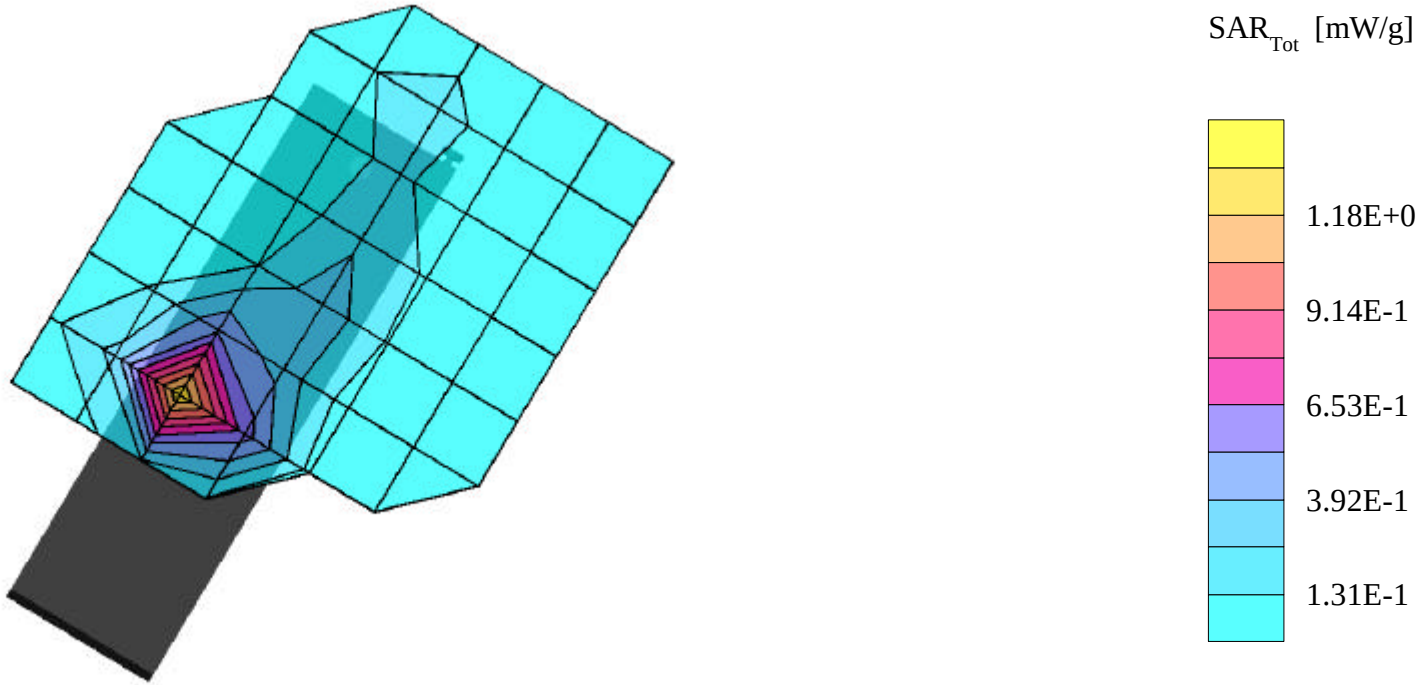
LGE PCS CDMA phone Model: LG-SP3100
PCS CDMA Mode, Ch.0600 [1880.00MHz]; Flip = Open; Standard Battery
Conducted Power = 24.5dBm; Left Head Phantom, Cheek/Touch Position; Meas. Tissue Temp. (°C) - 21.8
Test Date -- 02/04/2002 [FCC/OET Bulletin 65 - Supplement C, July 2001]



LGE FCC ID: BEJSP3100 -- PCS CDMA Head SAR

SAM Phantom; Left Hand Section; Probe: ET3DV6 - SN1560 -- Probe Cal Date 20/02/01; ConvF(5.16,5.16,5.16)
Med. Parameters 1900 MHz Brain: σ = 1.45 mho/m ε_r = 40.1 ρ = 1.00 g/cm^3; Antenna Position -- Out; Crest Factor 1.0
SAR (1g): 1.23 mW/g SAR (10g): 0.652 mW/g

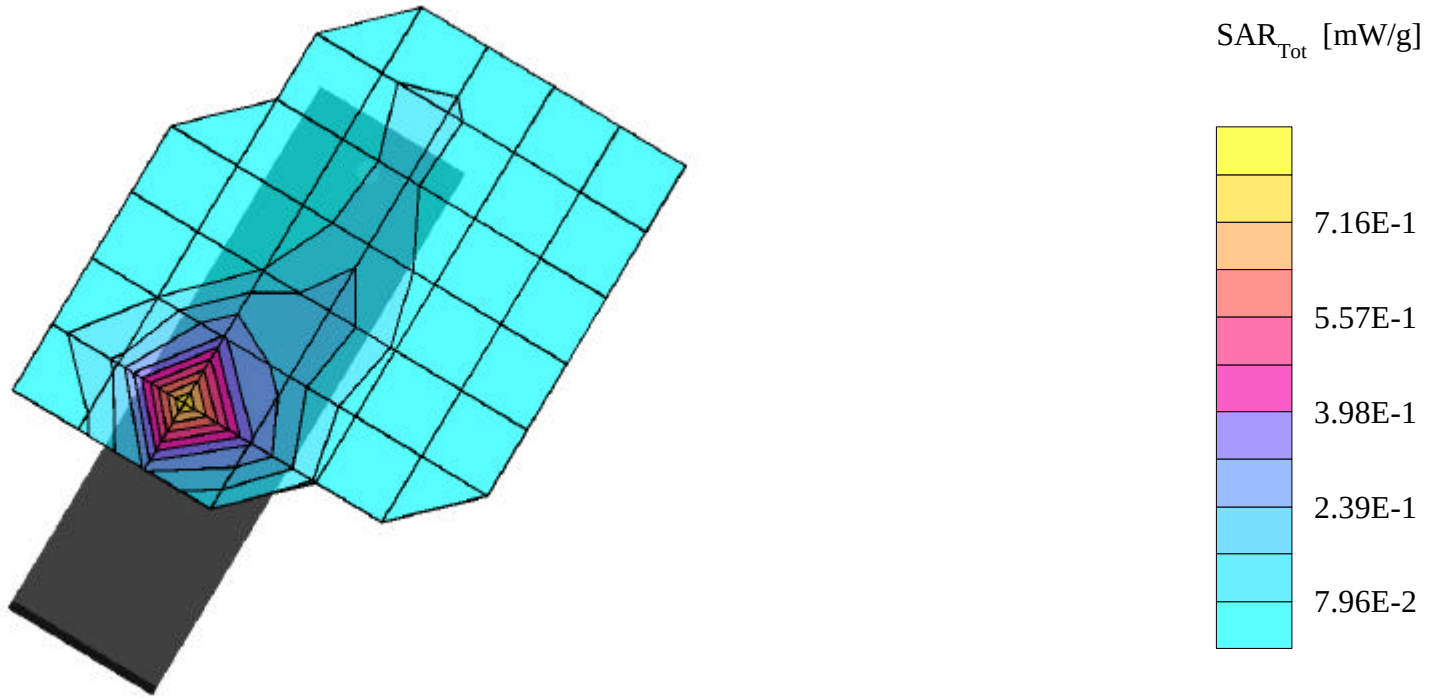
LGE PCS CDMA phone Model: LG-SP3100
PCS CDMA Mode, Ch.0600 [1880.00MHz]; Flip = Open; Standard Battery
Conducted Power = 24.5dBm; Left Head Phantom, Cheek/Touch Position; Meas. Tissue Temp. (°C) - 21.8
Test Date -- 02/04/2002 [FCC/OET Bulletin 65 - Supplement C, July 2001]



LGE FCC ID: BEJSP3100 -- PCS CDMA Head SAR

SAM Phantom; Left Hand Section; Probe: ET3DV6 - SN1560 -- Probe Cal Date 20/02/01; ConvF(5.16,5.16,5.16)
Med. Parameters 1900 MHz Brain: σ = 1.45 mho/m ε_r = 40.1 ρ = 1.00 g/cm^3; Antenna Position -- In; Crest Factor 1.0
SAR (1g): 0.785 mW/g SAR (10g): 0.408 mW/g

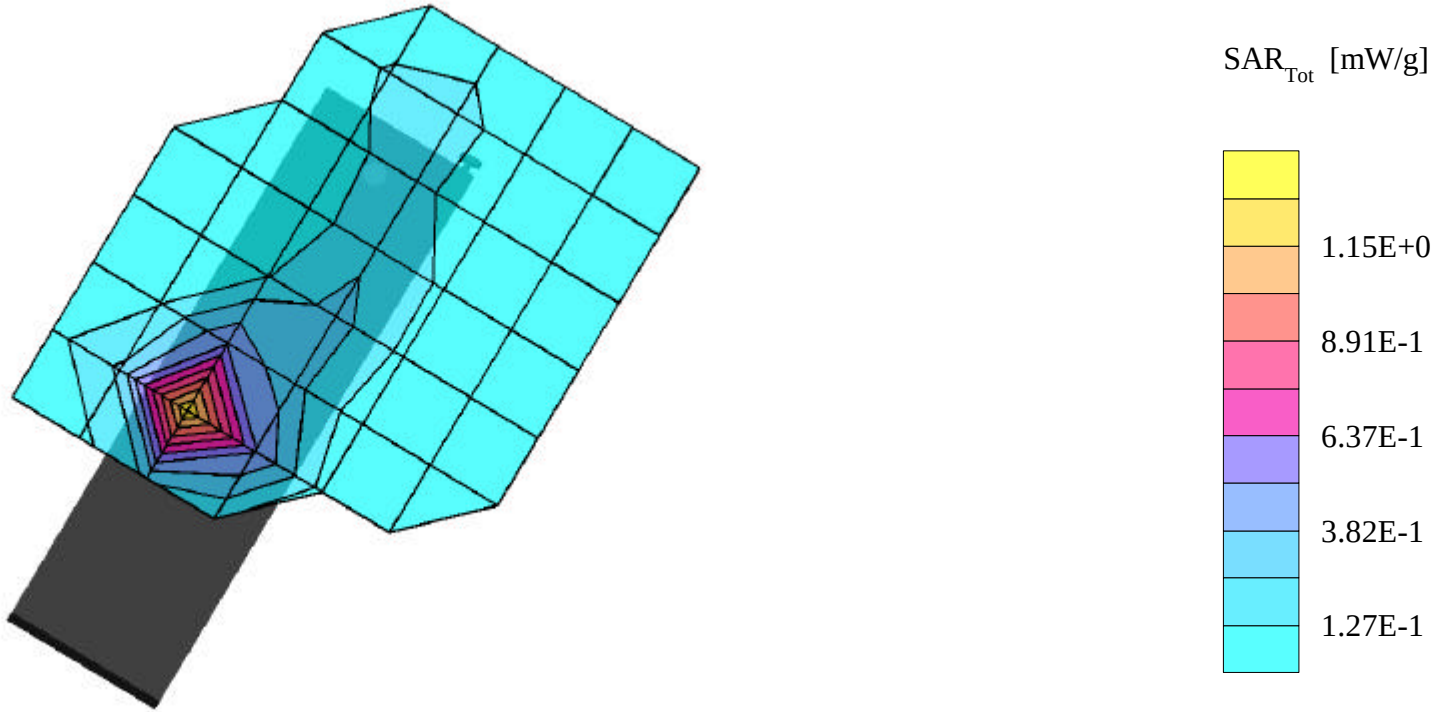
LGE PCS CDMA phone Model: LG-SP3100
PCS CDMA Mode, Ch.1175 [1908.75MHz]; Flip = Open; Standard Battery
Conducted Power = 24.5dBm; Left Head Phantom, Cheek/Touch Position; Meas. Tissue Temp. (°C) - 21.8
Test Date -- 02/04/2002 [FCC/OET Bulletin 65 - Supplement C, July 2001]



LGE FCC ID: BEJSP3100 -- PCS CDMA Head SAR

SAM Phantom; Left Hand Section; Probe: ET3DV6 - SN1560 -- Probe Cal Date 20/02/01; ConvF(5.16,5.16,5.16)
Med. Parameters 1900 MHz Brain: σ = 1.45 mho/m ε_r = 40.1 ρ = 1.00 g/cm^3; Antenna Position -- Out; Crest Factor 1.0
SAR (1g): 1.22 mW/g SAR (10g): 0.610 mW/g

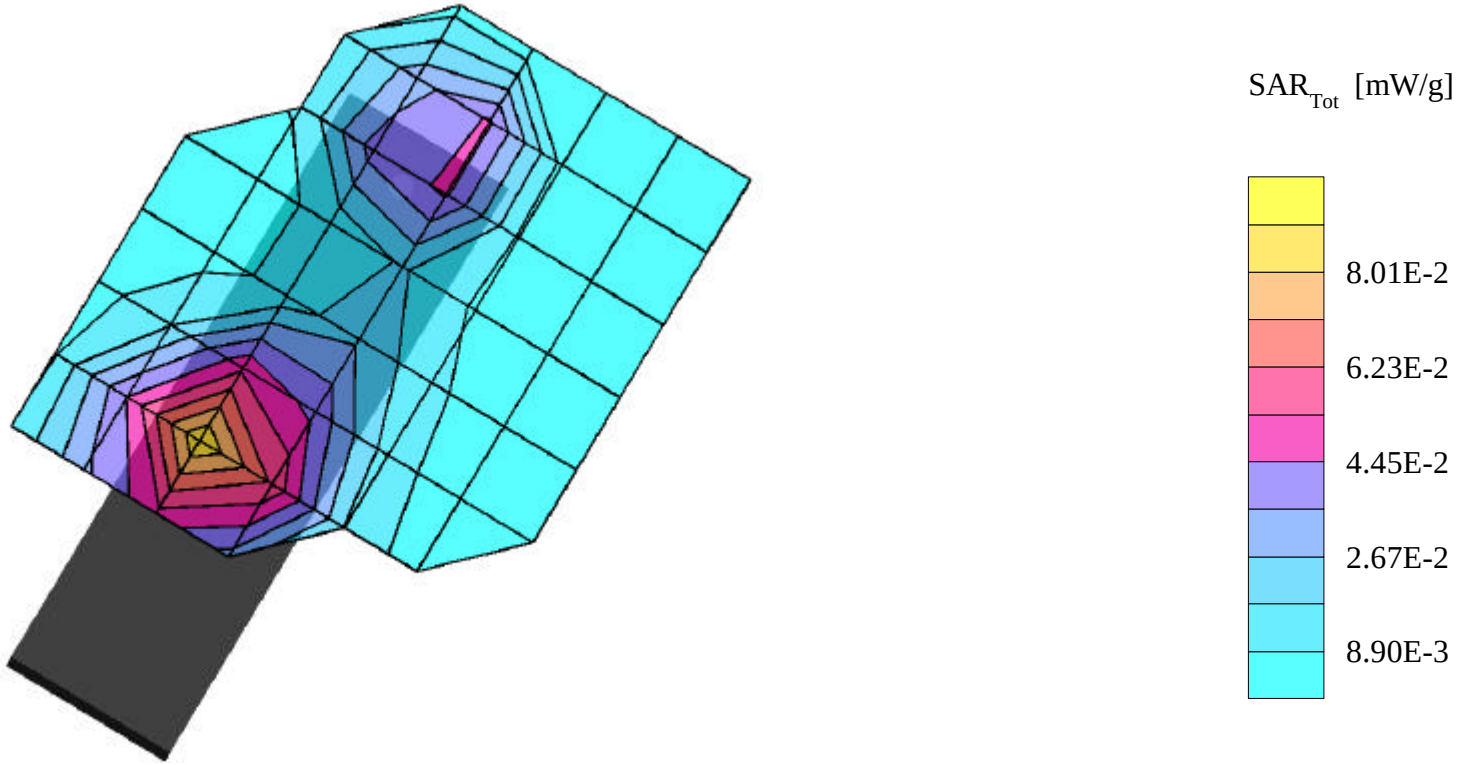
LGE PCS CDMA phone Model: LG-SP3100
PCS CDMA Mode, Ch.1175 [1908.75MHz]; Flip = Open; Standard Battery
Conducted Power = 24.5dBm; Left Head Phantom, Cheek/Touch Position; Meas. Tissue Temp. (°C) - 21.8
Test Date -- 02/04/2002 [FCC/OET Bulletin 65 - Supplement C, July 2001]



LGE FCC ID: BEJSP3100 -- PCS CDMA Head SAR

SAM Phantom; Left Hand Section; Probe: ET3DV6 - SN1560 -- Probe Cal Date 20/02/01; ConvF(5.16,5.16,5.16)
Med. Parameters 1900 MHz Brain: σ = 1.45 mho/m ε_r = 40.1 ρ = 1.00 g/cm^3; Antenna Position -- In; Crest Factor 1.0
SAR (1g): 0.122 mW/g SAR (10g): 0.0709 mW/g

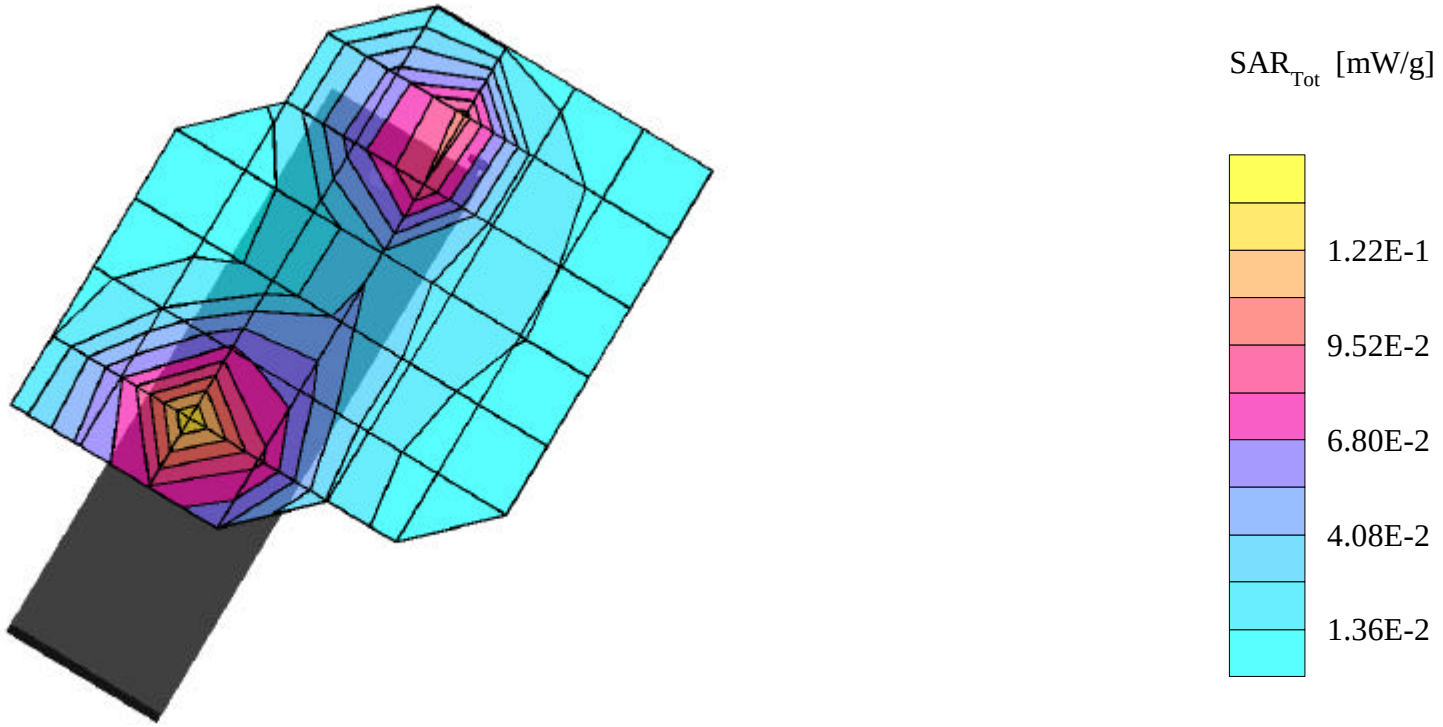
LGE PCS CDMA phone Model: LG-SP3100
PCS CDMA Mode, Ch.0025 [1851.25MHz]; Flip = Open; Standard Battery
Conducted Power = 24.5dBm; Left Head Phantom, Ear/15degree Tilt Position; Meas. Tissue Temp. (°C) - 21.8
Test Date -- 02/04/2002 [FCC/OET Bulletin 65 - Supplement C, July 2001]



LGE FCC ID: BEJSP3100 -- PCS CDMA Head SAR

SAM Phantom; Left Hand Section; Probe: ET3DV6 - SN1560 -- Probe Cal Date 20/02/01; ConvF(5.16,5.16,5.16)
Med. Parameters 1900 MHz Brain: σ = 1.45 mho/m ε_r = 40.1 ρ = 1.00 g/cm^3; Antenna Position -- Out; Crest Factor 1.0
SAR (1g): 0.130 mW/g SAR (10g): 0.0775 mW/g

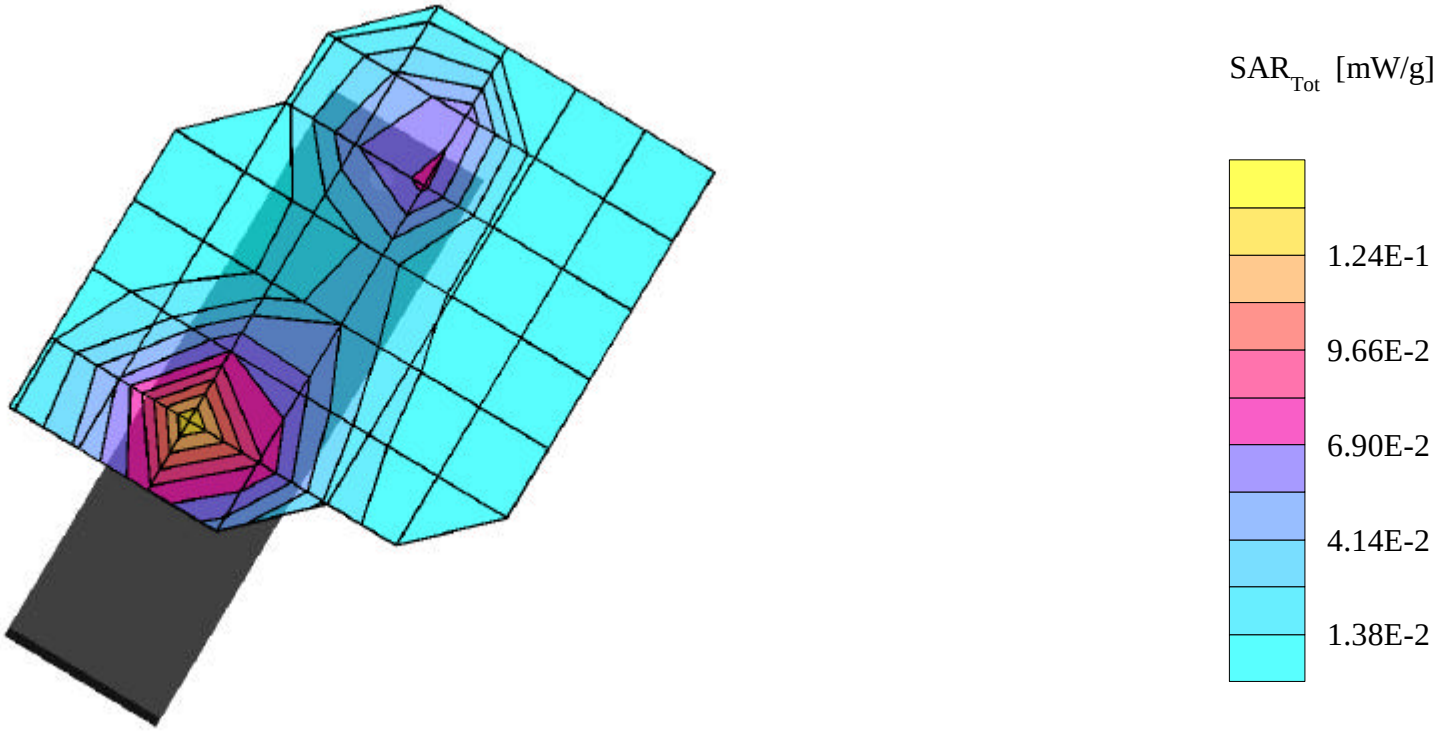
LGE PCS CDMA phone Model: LG-SP3100
PCS CDMA Mode, Ch.0025 [1851.25MHz]; Flip = Open; Standard Battery
Conducted Power = 24.5dBm; Left Head Phantom, Ear/15degree Tilt Position; Meas. Tissue Temp. (°C) - 21.8
Test Date -- 02/04/2002 [FCC/OET Bulletin 65 - Supplement C, July 2001]



LGE FCC ID: BEJSP3100 -- PCS CDMA Head SAR

SAM Phantom; Left Hand Section; Probe: ET3DV6 - SN1560 -- Probe Cal Date 20/02/01; ConvF(5.16,5.16,5.16)
Med. Parameters 1900 MHz Brain: σ = 1.45 mho/m ε_r = 40.1 ρ = 1.00 g/cm^3; Antenna Position -- In; Crest Factor 1.0
SAR (1g): 0.134 mW/g SAR (10g): 0.0774 mW/g

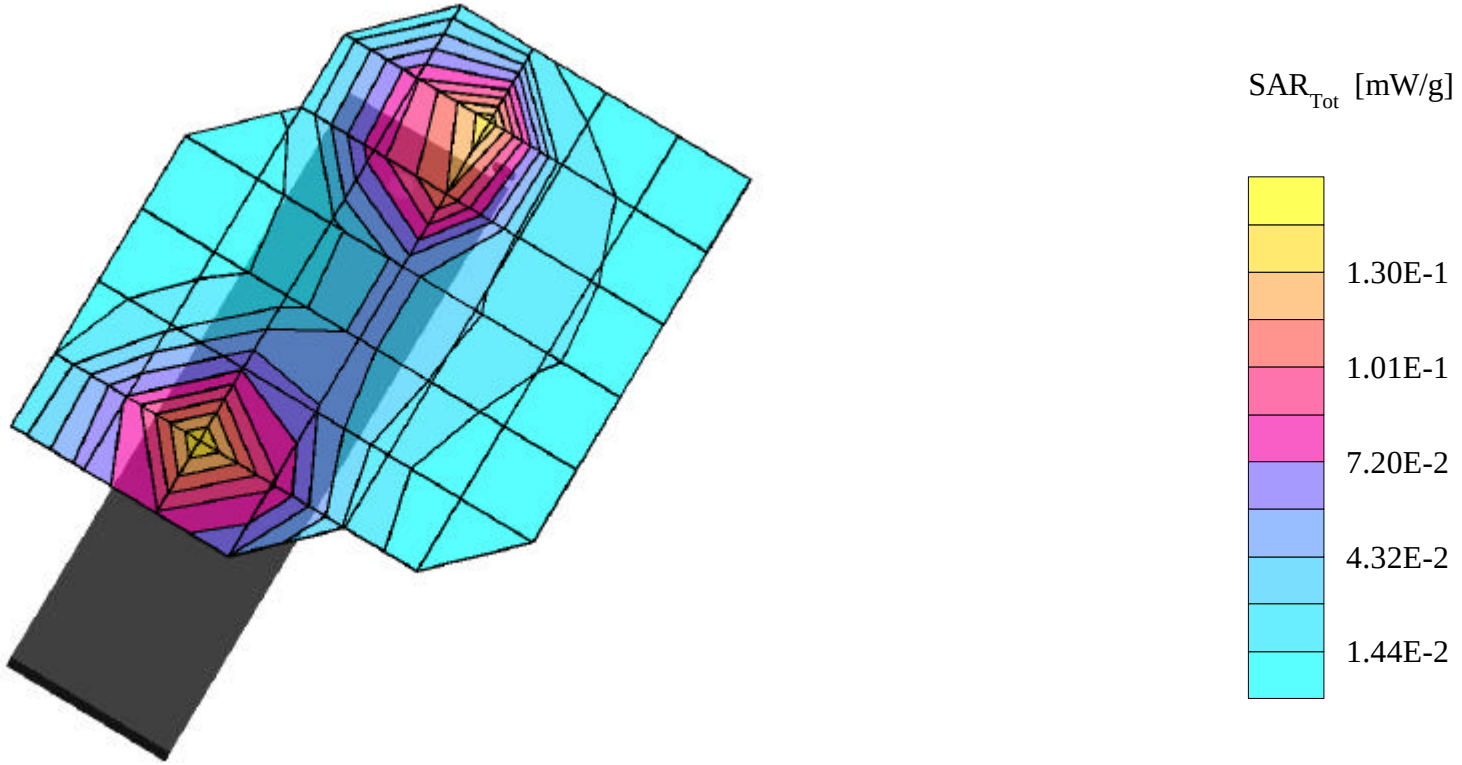
LGE PCS CDMA phone Model: LG-SP3100
PCS CDMA Mode, Ch.0600 [1880.00MHz]; Flip = Open; Standard Battery
Conducted Power = 24.5dBm; Left Head Phantom, Ear/15degree Tilt Position; Meas. Tissue Temp. (°C) - 21.8
Test Date -- 02/04/2002 [FCC/OET Bulletin 65 - Supplement C, July 2001]



LGE FCC ID: BEJSP3100 -- PCS CDMA Head SAR

SAM Phantom; Left Hand Section; Probe: ET3DV6 - SN1560 -- Probe Cal Date 20/02/01; ConvF(5.16,5.16,5.16)
Med. Parameters 1900 MHz Brain: σ = 1.45 mho/m ε_r = 40.1 ρ = 1.00 g/cm^3; Antenna Position -- Out; Crest Factor 1.0
SAR (1g): 0.168 mW/g SAR (10g): 0.0843 mW/g

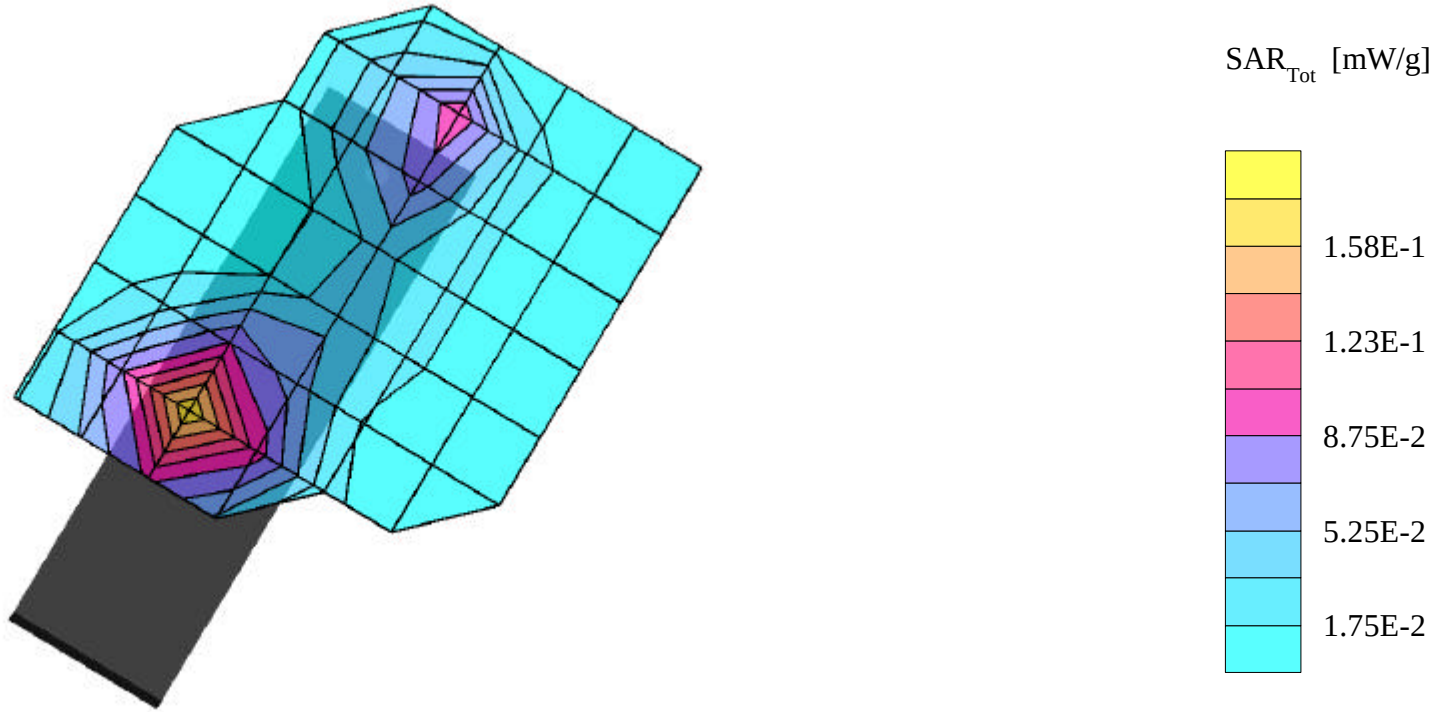
LGE PCS CDMA phone Model: LG-SP3100
PCS CDMA Mode, Ch.0600 [1880.00MHz]; Flip = Open; Standard Battery
Conducted Power = 24.5dBm; Left Head Phantom, Ear/15degree Tilt Position; Meas. Tissue Temp. (°C) - 21.8
Test Date -- 02/04/2002 [FCC/OET Bulletin 65 - Supplement C, July 2001]



LGE FCC ID: BEJSP3100 -- PCS CDMA Head SAR

SAM Phantom; Left Hand Section; Probe: ET3DV6 - SN1560 -- Probe Cal Date 20/02/01; ConvF(5.16,5.16,5.16)
Med. Parameters 1900 MHz Brain: σ = 1.45 mho/m ε_r = 40.1 ρ = 1.00 g/cm^3; Antenna Position -- In; Crest Factor 1.0
SAR (1g): 0.164 mW/g SAR (10g): 0.0930 mW/g

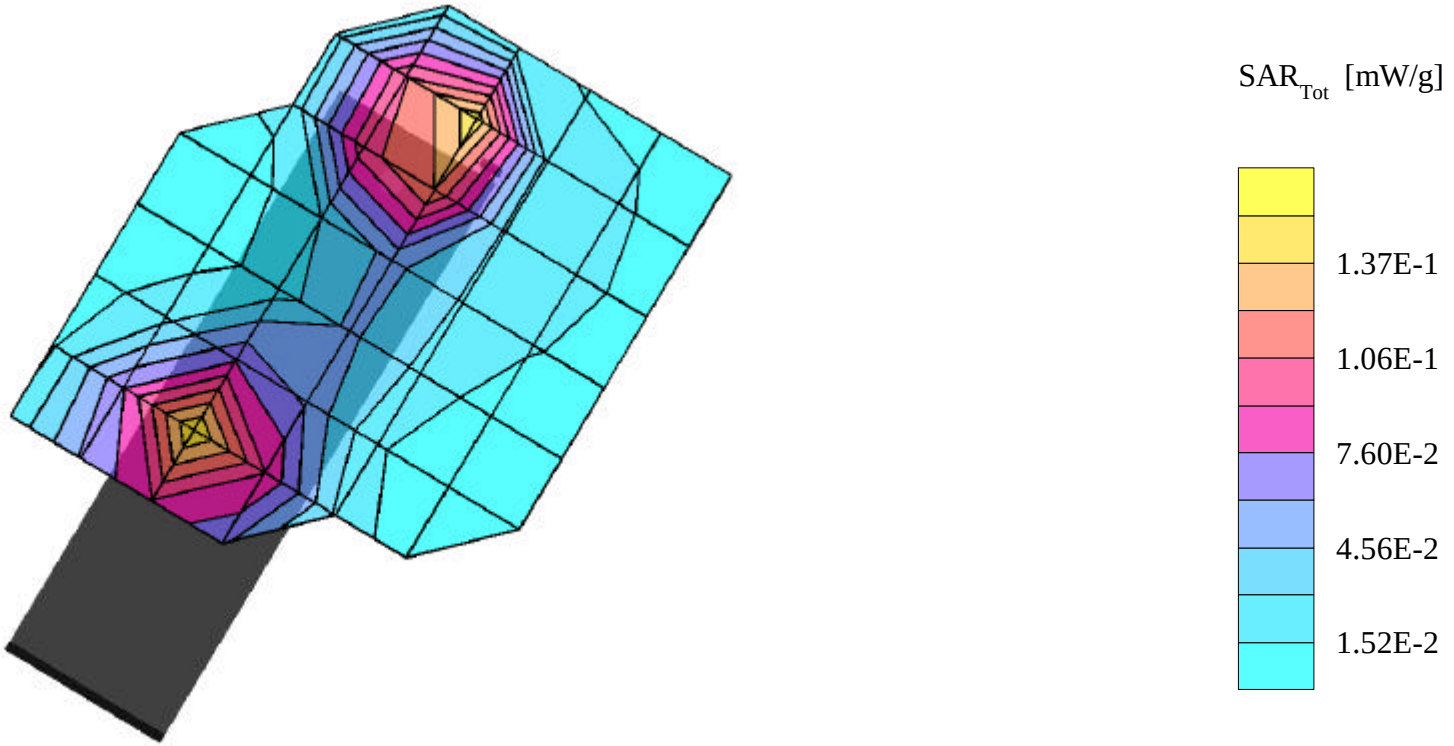
LGE PCS CDMA phone Model: LG-SP3100
PCS CDMA Mode, Ch.1175 [1908.75MHz]; Flip = Open; Standard Battery
Conducted Power = 24.5dBm; Left Head Phantom, Ear/15degree Tilt Position; Meas. Tissue Temp. (°C) - 21.8
Test Date -- 02/04/2002 [FCC/OET Bulletin 65 - Supplement C, July 2001]



LGE FCC ID: BEJSP3100 -- PCS CDMA Head SAR

SAM Phantom; Left Hand Section; Probe: ET3DV6 - SN1560 -- Probe Cal Date 20/02/01; ConvF(5.16,5.16,5.16)
Med. Parameters 1900 MHz Brain: σ = 1.45 mho/m ε_r = 40.1 ρ = 1.00 g/cm^3; Antenna Position -- Out; Crest Factor 1.0
SAR (1g): 0.182 mW/g SAR (10g): 0.0933 mW/g

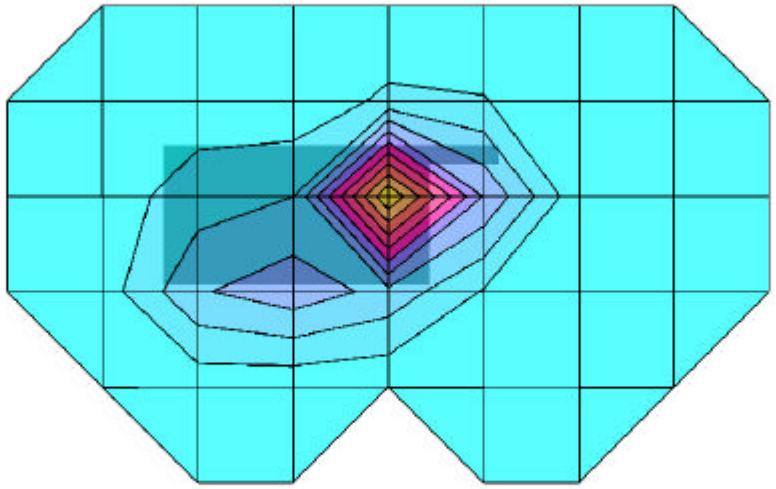
LGE PCS CDMA phone Model: LG-SP3100
PCS CDMA Mode, Ch.1175 [1908.75MHz]; Flip = Open; Standard Battery
Conducted Power = 24.5dBm; Left Head Phantom, Ear/15degree Tilt Position; Meas. Tissue Temp. (°C) - 21.8
Test Date -- 02/04/2002 [FCC/OET Bulletin 65 - Supplement C, July 2001]

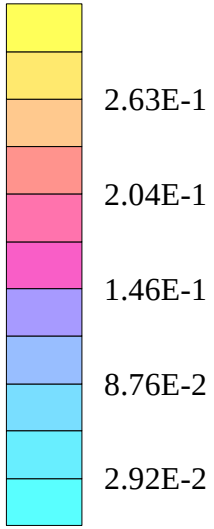


LGE FCC ID: BEJSP3100 -- PCS CDMA Body SAR

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: σ = 1.55 mho/m ε_r = 53.38 ρ = 1.00 g/cm^3; Antenna Position -- In; Crest Factor 1.0
SAR (1g): 0.325 mW/g,SAR (10g): 0.180 mW/g

LGE PCS CDMA phone Model: LG-SP3100
PCS CDMA Mode, Ch.0025 [1851.25MHz]; Flip = Closed; Flat Phantom; Standard Battery
Conducted Power = 24.5dBm; Spacing = 1.5cm from flat phantom to closest point (antenna side) of EUT, No BeltClip/No Holster
Test Date -- 02/05/2002 [FCC/OET Bulletin 65 - Supplement C, July 2001]; Meas. Tissue Temp. (°C) - 21.6





LGE FCC ID: BEJSP3100 -- 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: σ = 1.55 mho/m ε_r = 53.38 ρ = 1.00 g/cm^3; Antenna Position -- Out; Crest Factor 1.0

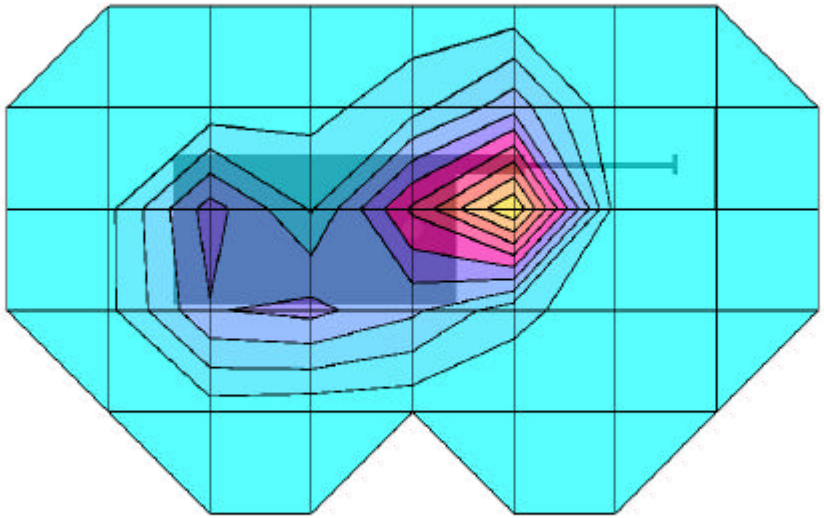
SAR (1g): 0.766 mW/g,SAR (10g): 0.420 mW/g

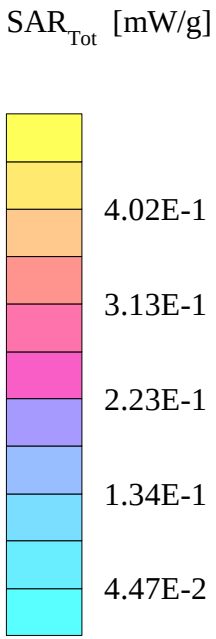
LGE PCS CDMA phone Model: LG-SP3100

PCS CDMA Mode, Ch.0025 [1851.25MHz]; Flip = Closed; Flat Phantom; Standard Battery

Conducted Power = 24.5dBm; Spacing = 1.5cm from flat phantom to closest point (antenna side) of EUT, No BeltClip/No Holster

Test Date -- 02/05/2002 [FCC/OET Bulletin 65 - Supplement C, July 2001]; Meas. Tissue Temp. (°C) - 21.6

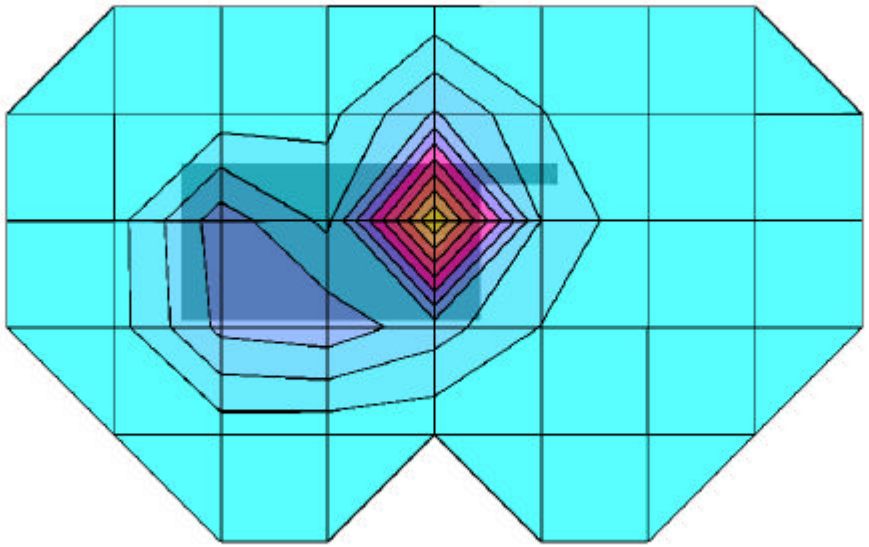


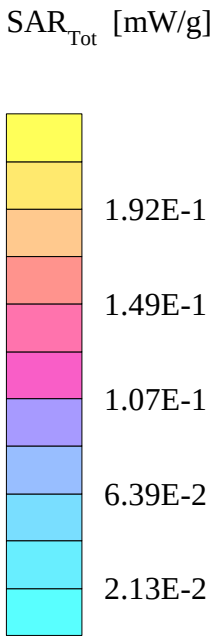


LGE FCC ID: BEJSP3100 -- PCS CDMA Body SAR

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: σ = 1.55 mho/m ε_r = 53.38ρ = 1.00 g/cm^3; Antenna Position -- In; Crest Factor 1.0
SAR (1g): 0.235 mW/g,SAR (10g): 0.131 mW/g

LGE PCS CDMA phone Model: LG-SP3100
PCS CDMA Mode, Ch.0600 [1880.00MHz]; Flip = Closed; Flat Phantom; Standard Battery
Conducted Power = 24.5dBm; Spacing = 1.5cm from flat phantom to closest point (antenna side) of EUT, No BeltClip/No Holster
Test Date -- 02/05/2002 [FCC/OET Bulletin 65 - Supplement C, July 2001]; Meas. Tissue Temp. (°C) - 21.6

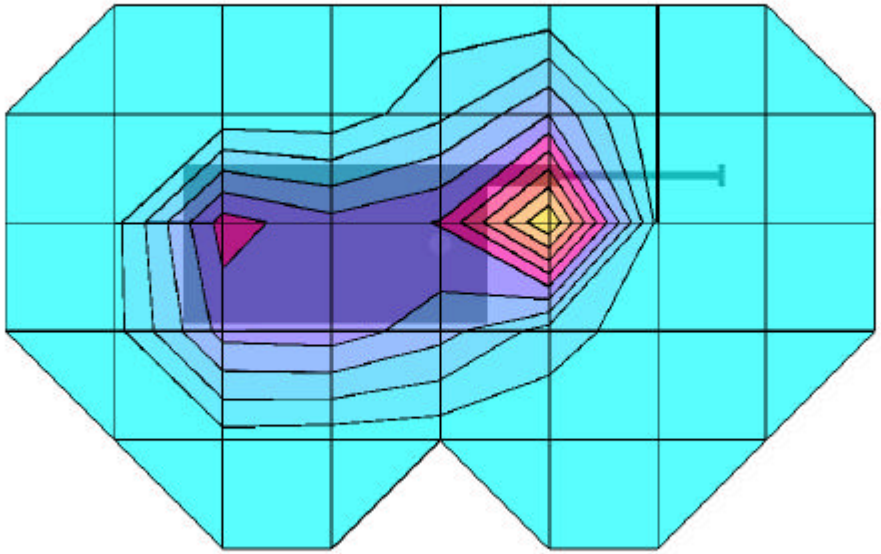


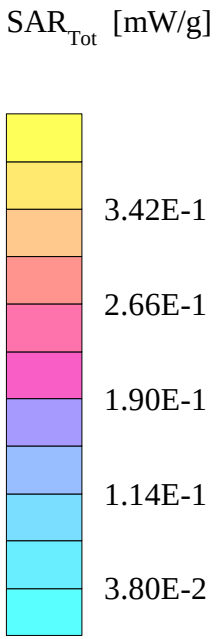


LGE FCC ID: BEJSP3100 -- PCS CDMA Body SAR

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: σ = 1.55 mho/m ε_r = 53.38 ρ = 1.00 g/cm^3; Antenna Position -- Out; Crest Factor 1.0
SAR (1g): 0.652 mW/g,SAR (10g): 0.351 mW/g

LGE PCS CDMA phone Model: LG-SP3100
PCS CDMA Mode, Ch.0600 [1880.00MHz]; Flip = Closed; Flat Phantom; Standard Battery
Conducted Power = 24.5dBm; Spacing = 1.5cm from flat phantom to closest point (antenna side) of EUT, No BeltClip/No Holster
Test Date -- 02/05/2002 [FCC/OET Bulletin 65 - Supplement C, July 2001]; Meas. Tissue Temp. (°C) - 21.6

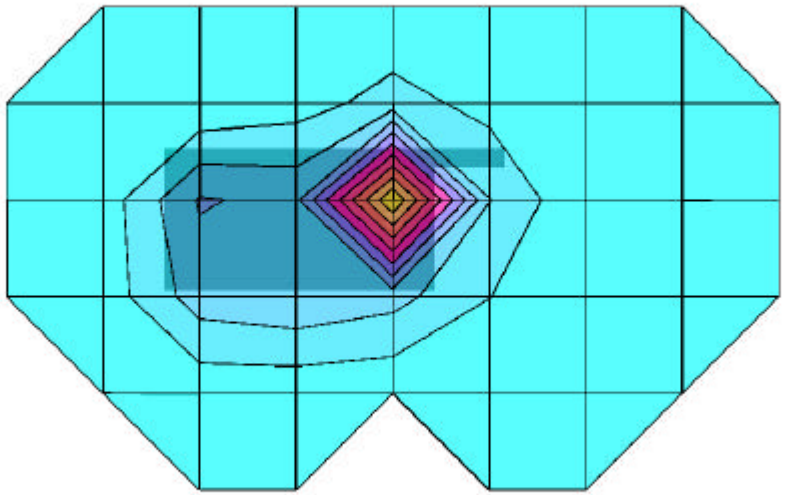


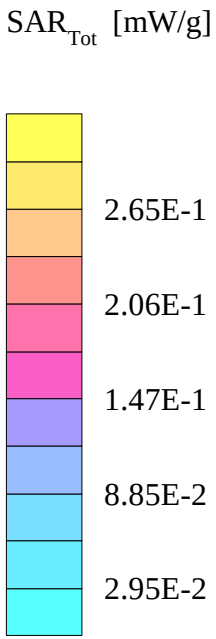


LGE FCC ID: BEJSP3100 -- PCS CDMA Body SAR

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: σ = 1.55 mho/m ε_r = 53.38ρ = 1.00 g/cm^3; Antenna Position -- In; Crest Factor 1.0
SAR (1g): 0.365 mW/g,SAR (10g): 0.195 mW/g

LGE PCS CDMA phone Model: LG-SP3100
PCS CDMA Mode, Ch.1175 [1908.75MHz]; Flip = Closed; Flat Phantom; Standard Battery
Conducted Power = 24.5dBm; Spacing = 1.5cm from flat phantom to closest point (antenna side) of EUT, No BeltClip/No Holster
Test Date -- 02/05/2002 [FCC/OET Bulletin 65 - Supplement C, July 2001]; Meas. Tissue Temp. (°C) - 21.6

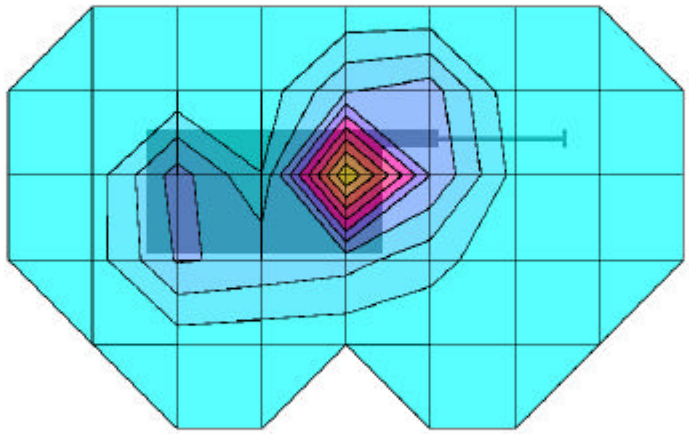


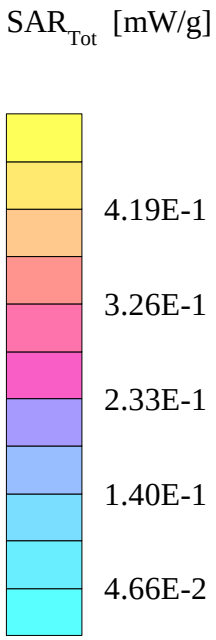


LGE FCC ID: BEJSP3100 -- PCS CDMA Body SAR

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: σ = 1.55 mho/m ε_r = 53.38ρ = 1.00 g/cm^3; Antenna Position -- Out; Crest Factor 1.0
SAR (1g): 0.673 mW/g,SAR (10g): 0.349 mW/g

LGE PCS CDMA phone Model: LG-SP3100
PCS CDMA Mode, Ch.1175 [1908.75MHz]; Flip = Closed; Flat Phantom; Standard Battery
Conducted Power = 24.5dBm; Spacing = 1.5cm from flat phantom to closest point (antenna side) of EUT, No BeltClip/No Holster
Test Date -- 02/05/2002 [FCC/OET Bulletin 65 - Supplement C, July 2001]; Meas. Tissue Temp. (°C) - 21.6

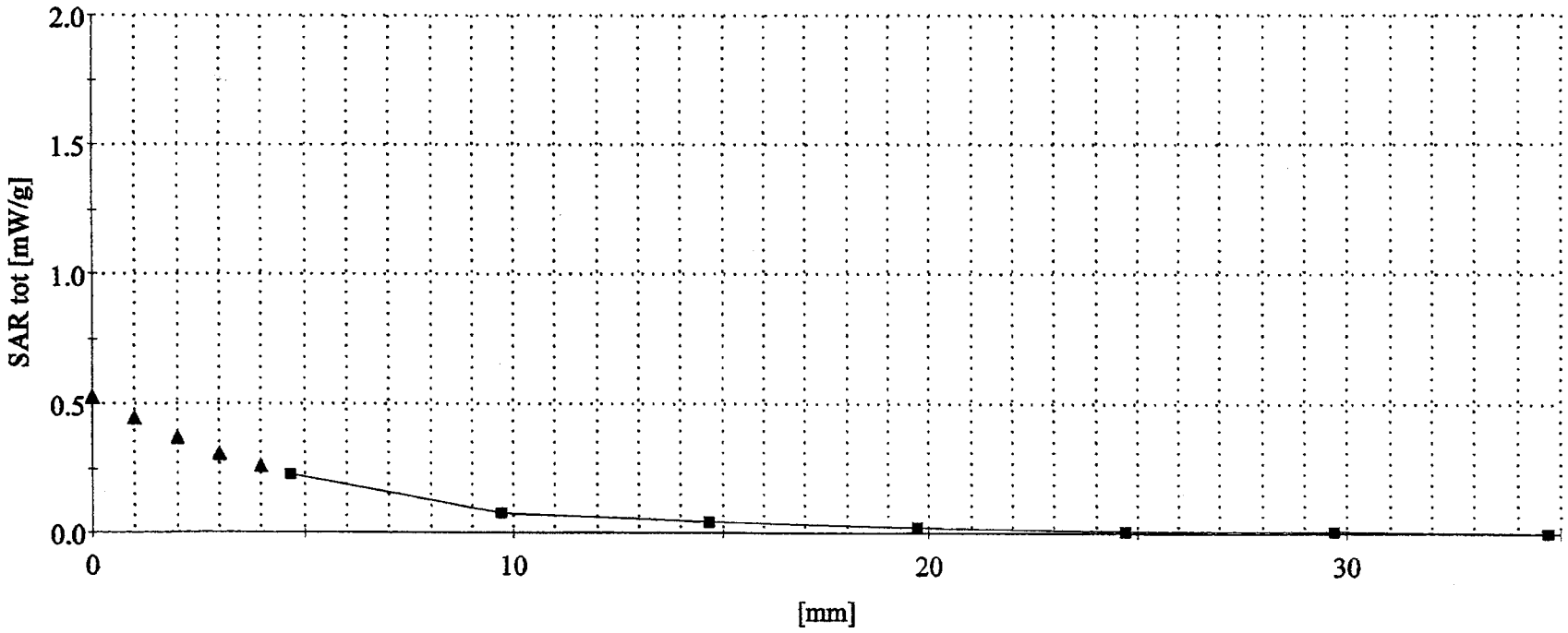




LGE FCC ID: BEJSP3100 -- PCS CDMA Head SAR

SAM Phantom; Right Hand Section; Probe: ET3DV6 - SN1560 -- Probe Cal Date 20/02/01; ConvF(5.16,5.16,5.16)
Med. Parameters 1900 MHz Brain: σ = 1.45 mho/m ε_r = 40.1 ρ = 1.00 g/cm^3; Antenna Position -- Out; Crest Factor 1.0
SAR (1g): 1.24 mW/g SAR (10g): 0.635 mW/g

LGE PCS CDMA phone Model: LG-SP3100
PCS CDMA Mode, Ch.0025 [1851.25MHz]; Flip = Open; Standard Battery
Conducted Power = 24.5dBm; Right Head Phantom, Cheek/Touch Position; Meas. Tissue Temp. (°C) - 21.8
Test Date -- 02/04/2002 [FCC/OET Bulletin 65 - Supplement C, July 2001]



LGE FCC ID: BEJSP3100 -- 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: σ = 1.55 mho/m ε_r = 53.38ρ = 1.00 g/cm^3; Antenna Position -- Out; Crest Factor 1.0
SAR (1g): 0.766 mW/g,SAR (10g): 0.420 mW/g

LGE PCS CDMA phone Model: LG-SP3100
PCS CDMA Mode, Ch.0025 [1851.25MHz]; Flip = Closed; Flat Phantom; Standard Battery
Conducted Power = 24.5dBm; Spacing = 1.5cm from flat phantom to closest point (antenna side) of EUT, No BeltClip/No Holster
Test Date -- 02/05/2002 [FCC/OET Bulletin 65 - Supplement C, July 2001]; Meas. Tissue Temp. (°C) - 21.6