Sony Ericsson

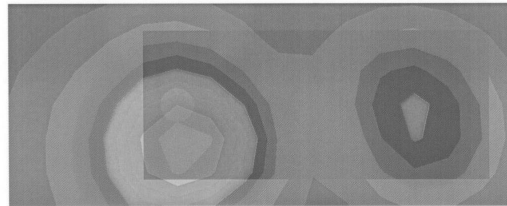|		SecurityClass REPORT			
Prepared (also subject responsible if other)		No.			
LD/SEM/GUG/NM/H. Kami Shirazi		GUG/N03 :059			
Approved	Checked	Date	Rev	Reference	
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Appendix

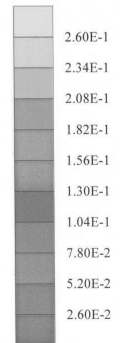### 1.1 SAR distribution Plots

03/31/03 Hamid Kami

T610
SAM 1800 and 1900 Phantom; Flat Section; Position: (90°,270°); Frequency: 1850 MHz
Probe: ET3DV6 - SN1569;ConvF(5.00,5.00,5.00); Crest factor: 8.0; Muscle1900 MHz: $\sigma = 1.50$ mho/m $\varepsilon_r = 50.5$ $\rho = 1.00$ g/cm³
Cubes (2): SAR (1g): 0.245 mW/g ± 0.00 dB, SAR (10g): 0.150 mW/g ± 0.01 dB, (Worst-case extrapolation)
Coarse: Dx = 10.0, Dy = 10.0, Dz = 10.0
Powerdrift: -0.22 dB

Front side of the phone in a case with no. KRY104157 against flat position of the phantom.

SAR$_{Tot}$ [mW/g]

2.60E-1
2.34E-1
2.08E-1
1.82E-1
1.56E-1
1.30E-1
1.04E-1
7.80E-2
5.20E-2
2.60E-2

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Distribution of SAR at 1850MHz against the body for front and the phone is inside the cover.

Sony Ericsson
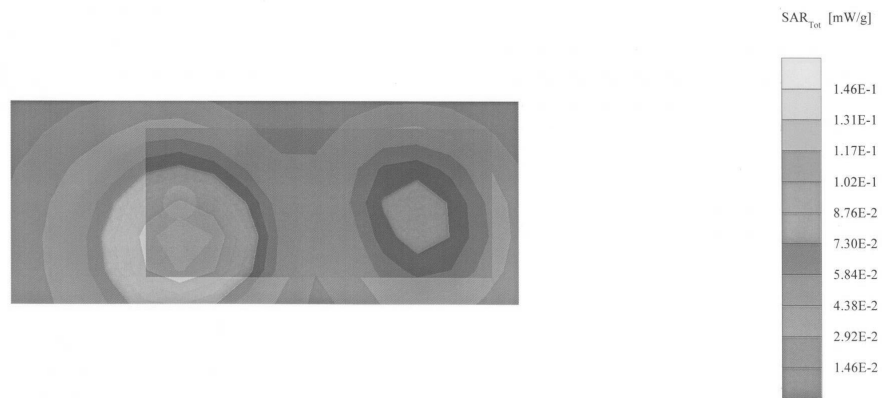
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T610

SAM 1800 and 1900 Phantom; Flat Section; Position: (90°,270°); Frequency: 1880 MHz
Probe: ET3DV6 - SN1569;ConvF(5.00,5.00,5.00); Crest factor: 8.0; Muscle1900 MHz: $\sigma = 1.50$ mho/m $\varepsilon_r = 50.5$ $\rho = 1.00$ g/cm³
Cube 5x5x7: SAR (1g): 0.141 mW/g, SAR (10g): 0.0854 mW/g, (Worst-case extrapolation)
Coarse: Dx = 10.0, Dy = 10.0, Dz = 10.0
Powerdrift: -0.09 dB

Front side of the phone in a case with no. KRY104157 against the flat position of the phontom.

SAR_{Tot} [mW/g]

	1.46E-1
	1.31E-1
	1.17E-1
	1.02E-1
	8.76E-2
	7.30E-2
	5.84E-2
	4.38E-2
	2.92E-2
	1.46E-2

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Distribution of SAR at 1850MHz against the body for front and the phone is inside the cover.

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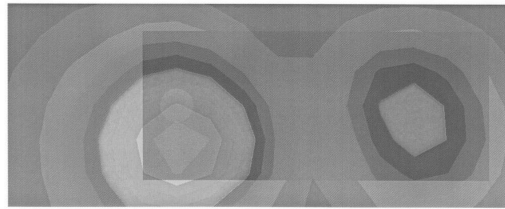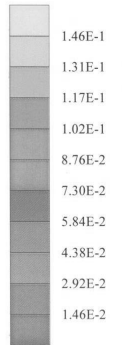|					
		SecurityClass			
		REPORT			
Prepared (also subject responsible if other)		No.			
LD/SEM/GUG/NM/H. Kami Shirazi		GUG/NV 03:059			
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T610

SAM 1800 and 1900 Phantom; Flat Section; Position: (90°,270°); Frequency: 1880 MHz
Probe: ET3DV6 - SN1569;ConvF(5.00,5.00,5.00); Crest factor: 8.0; Muscle1900 MHz: $\sigma = 1.50$ mho/m $\varepsilon_r = 50.5$ $\rho = 1.00$ g/cm³
Cube 5x5x7: SAR (1g): 0.141 mW/g, SAR (10g): 0.0854 mW/g, (Worst-case extrapolation)
Coarse: Dx = 10.0, Dy = 10.0, Dz = 10.0
Powerdrift: -0.09 dB

Front side of the phone in a case with no. KRY104157 against the flat position of the phontom.

SAR$_{Tot}$ [mW/g]

1.46E-1
1.31E-1
1.17E-1
1.02E-1
8.76E-2
7.30E-2
5.84E-2
4.38E-2
2.92E-2
1.46E-2

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Distribution of SAR at 1880MHz against the body for front and the phone is inside the cover.

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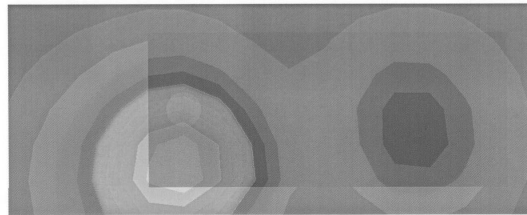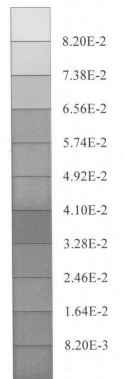| Approved	Checked	Date	Rev	Reference
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T610-Front

SAM 1800 and 1900 Phantom; Flat Section; Position: (90°,270°); Frequency: 1910 MHz
Probe: ET3DV6 - SN1569;ConvF(5.00,5.00,5.00); Crest factor: 8.0; Muscle1900 MHz: $\sigma = 1.50$ mho/m $\varepsilon_r = 50.5$ $\rho = 1.00$ g/cm^3
Cube 5x5x7: SAR (1g): 0.0799 mW/g, SAR (10g): 0.0482 mW/g, (Worst-case extrapolation)
Coarse: Dx = 10.0, Dy = 10.0, Dz = 10.0
Powerdrift: -0.13 dB

Front side of the phone in a case with no, KRY104157 against flat position of the ohantom.

SAR_{Tot} [mW/g]

8.20E-2
7.38E-2
6.56E-2
5.74E-2
4.92E-2
4.10E-2
3.28E-2
2.46E-2
1.64E-2
8.20E-3

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Distribution of SAR at 1910MHz against the body for front and the phone is inside the cover.
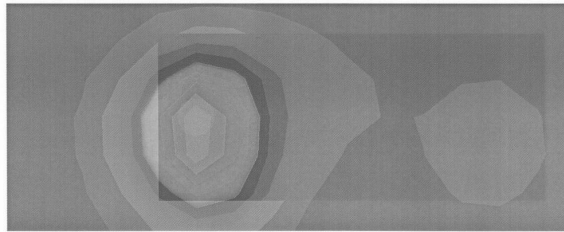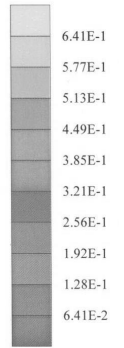
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T610
SAM 1800 and 1900 Phantom; Flat Section; Position: (90°,270°); Frequency: 1880 MHz
Probe: ET3DV6 - SN1569;ConvF(5.00,5.00,5.00); Crest factor: 8.0; Muscle1900 MHz: $\sigma = 1.50$ mho/m $\varepsilon_r = 50.5$ $\rho = 1.00$ g/cm³
Cube 5x5x7: SAR (1g): 0.577 mW/g, SAR (10g): 0.325 mW/g, (Worst-case extrapolation)
Coarse: Dx = 10.0, Dy = 10.0, Dz = 10.0
Powerdrift: -0.08 dB

Back side of the phone in a case with no. KRY104157 against the flat position of the phantom.

SAR_{Tot} [mW/g]

6.41E-1
5.77E-1
5.13E-1
4.49E-1
3.85E-1
3.21E-1
2.56E-1
1.92E-1
1.28E-1
6.41E-2

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Distribution of SAR at 1880MHz against the body for Back and the phone is inside the cover.
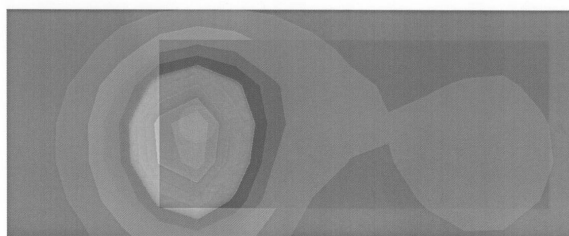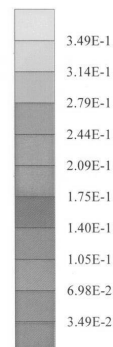
T610

SAM 1800 and 1900 Phantom; Flat Section; Position: (90°,270°); Frequency: 1910 MHz
Probe: ET3DV6 - SN1569;ConvF(5.00,5.00,5.00); Crest factor: 8.0; Muscle1900 MHz: $\sigma = 1.50$ mho/m $\varepsilon_r = 50.5$ $\rho = 1.00$ g/cm³
Cube 5x5x7: SAR (1g): 0.315 mW/g, SAR (10g): 0.180 mW/g, (Worst-case extrapolation)
Coarse: Dx = 10.0, Dy = 10.0, Dz = 10.0
Powerdrift: -0.05 dB

Back side of the phone in a case with no. KRY104157 against the flat position of the phantom.

SAR_{Tot} [mW/g]

	3.49E-1
	3.14E-1
	2.79E-1
	2.44E-1
	2.09E-1
	1.75E-1
	1.40E-1
	1.05E-1
	6.98E-2
	3.49E-2

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Distribution of SAR at 1910MHz against the body for Back and the phone is inside the cover.

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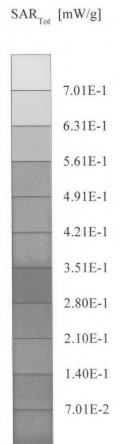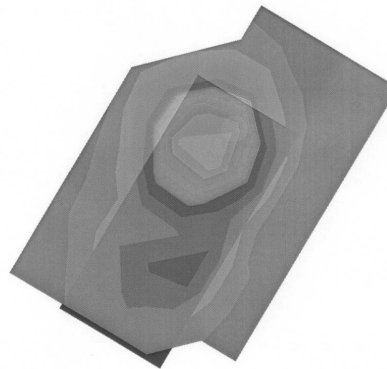| Approved	Checked	Date	Rev	Reference
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T610
SAM 1800 and 1900 Phantom; Left Hand Section; Position: (91°,59°); Frequency: 1850 MHz
Probe: ET3DV6 - SN1569;ConvF(5.40,5.40,5.40); Crest factor: 8.0; Head 1900MHz: σ = 1.47 mho/m ε_r = 38.0 ρ = 1.00 g/cm³
Cube 5x5x7: SAR (1g): 0.731 mW/g, SAR (10g): 0.428 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.15 dB

Distribution of Max SAR, measured against the head for cheek phone position.

SAR_{Tot} [mW/g]

7.01E-1
6.31E-1
5.61E-1
4.91E-1
4.21E-1
3.51E-1
2.80E-1
2.10E-1
1.40E-1
7.01E-2

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Distribution of SAR at 1850MHz measured against the head and left side of phantom for cheek phone position.
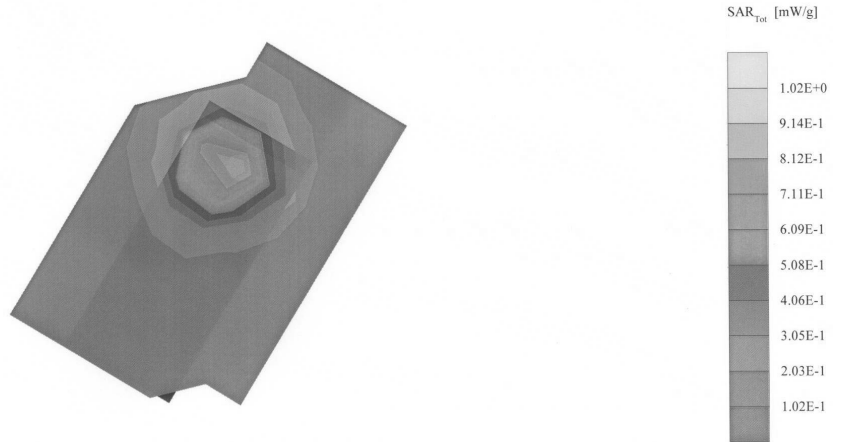
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T610
SAM 1800 and 1900 Phantom; Left Hand Section; Position: (107°,59°); Frequency: 1850 MHz
Probe: ET3DV6 - SN1569;ConvF(5.40,5.40,5.40); Crest factor: 8.0; Head 1900MHz: $\sigma = 1.40$ mho/m $\varepsilon_r = 38.1$ $\rho = 1.00$ g/cm^3
Cube 5x5x7: SAR (1g): 1.02 mW/g, SAR (10g): 0.572 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.09 dB

Distribution of max SAR, measured against the head for (cheek+15 deg.) phone position.

SAR$_{Tot}$ [mW/g]

	1.02E+0
	9.14E-1
	8.12E-1
	7.11E-1
	6.09E-1
	5.08E-1
	4.06E-1
	3.05E-1
	2.03E-1
	1.02E-1

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Distribution of SAR at 1850MHz measured against the head and left side of phantom for Tilt phone position.

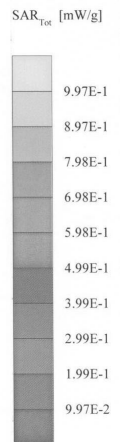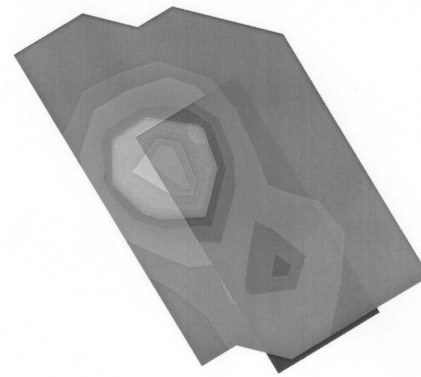|				
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		REPORT		
Prepared (also subject responsible if other)		No.		
LD/SEM/GUG/NM/H. Kami Shirazi		GUG/NV 03:059		
Approved	Checked	Date	Rev	Reference
LD/SEM/GUG/NM/ Mats Hansson	MHAN	030402	A	File

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T610
SAM 1800 and 1900 Phantom; Righ Hand Section; Position: (91°,301°); Frequency: 1850 MHz
Probe: ET3DV6 - SN1569;ConvF(5.40,5.40,5.40); Crest factor: 8.0; Head 1900MHz: $\sigma = 1.47$ mho/m $\varepsilon_r = 38.0$ $\rho = 1.00$ g/cm³
Cube 5x5x7: SAR (1g): 1.06 mW/g, SAR (10g): 0.583 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.11 dB

Distribution of max SAR, measured against the head for cheek phone position.

SAR_{Tot} [mW/g]

	9.97E-1
	8.97E-1
	7.98E-1
	6.98E-1
	5.98E-1
	4.99E-1
	3.99E-1
	2.99E-1
	1.99E-1
	9.97E-2

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Distribution of SAR at 1850MHz measured against the head and Right side of phantom for cheek phone position.
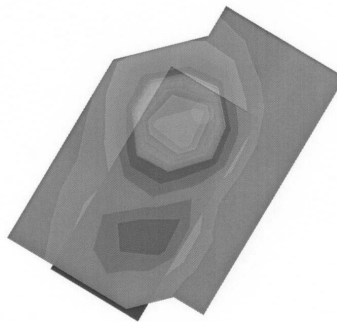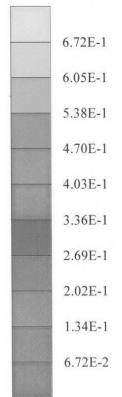
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T610
SAM 1800 and 1900 Phantom; Left Hand Section; Position: (91°,59°); Frequency: 1880 MHz
Probe: ET3DV6 - SN1569;ConvF(5.40,5.40,5.40); Crest factor: 8.0; Head 1900MHz: $\sigma = 1.47$ mho/m $\varepsilon_r = 38.0$ $\rho = 1.00$ g/cm^3
Cube 5x5x7: SAR (1g): 0.728 mW/g, SAR (10g): 0.420 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.06 dB

Distribution of max SAR, measured against the head for cheek phone position.

SAR$_{Tot}$ [mW/g]

6.72E-1
6.05E-1
5.38E-1
4.70E-1
4.03E-1
3.36E-1
2.69E-1
2.02E-1
1.34E-1
6.72E-2

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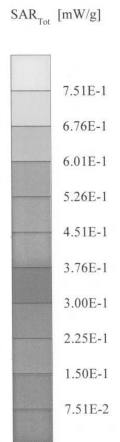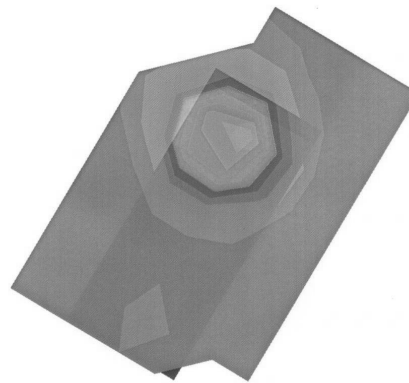**Distribution of SAR at 1880MHz measured against the head and left side of phantom for cheek phone position.**

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T610
SAM 1800 and 1900 Phantom; Left Hand Section; Position: (106°,59°); Frequency: 1880 MHz
Probe: ET3DV6 - SN1569;ConvF(5.40,5.40,5.40); Crest factor: 8.0; Head 1900MHz: $\sigma = 1.47$ mho/m $\varepsilon_r = 38.0$ $\rho = 1.00$ g/cm³
Cube 5x5x7: SAR (1g): 0.767 mW/g, SAR (10g): 0.434 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.03 dB

Distributon of max SAR, measured against the head for (cheek+15deg.) phone position.

Distribution of SAR at 1880MHz measured against the head and left side of phantom for tilt phone position.

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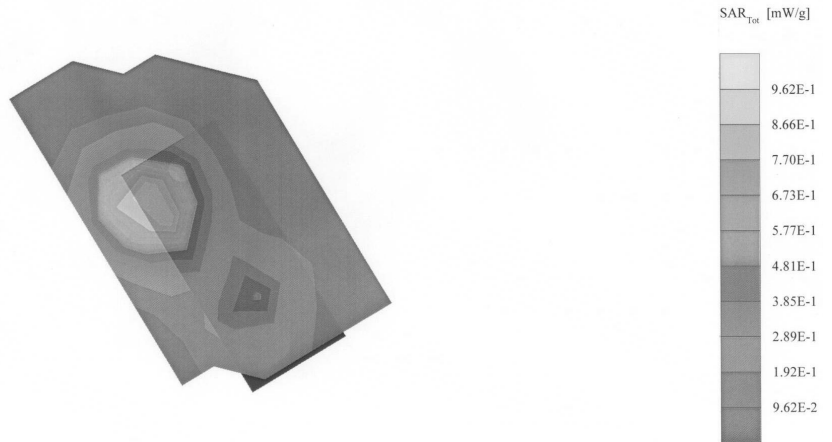| Prepared (also subject responsible if other)		No.			
LD/SEM/GUG/NM/H. Kami Shirazi		GUG/NV 03:059			
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LD/SEM/GUG/NM/ Mats Hansson	MHAN	030402	A		File

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T610
SAM 1800 and 1900 Phantom; Righ Hand Section; Position: (91°,301°); Frequency: 1880 MHz
Probe: ET3DV6 - SN1569;ConvF(5.40,5.40,5.40); Crest factor: 8.0; Head 1900MHz: σ = 1.47 mho/m εᵣ = 38.0 ρ = 1.00 g/cm³
Cube 5x5x7: SAR (1g): 1.04 mW/g, SAR (10g): 0.576 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.13 dB

Distribution of max SAR, measured against the head for cheek phone position.

SAR_{Tot} [mW/g]

9.62E-1
8.66E-1
7.70E-1
6.73E-1
5.77E-1
4.81E-1
3.85E-1
2.89E-1
1.92E-1
9.62E-2

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Distribution of SAR at 1880MHz measured against the head and Right side of phantom for cheek phone position.

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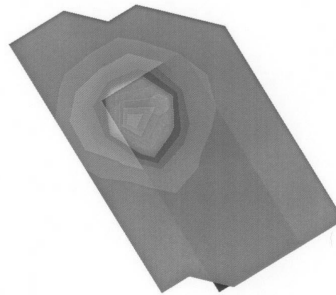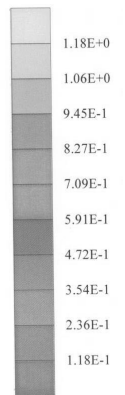| Approved	Checked	Date	Rev	Reference
LD/SEM/GUG/NM/ Mats Hansson	MHAN	030402	A	File

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T610
SAM 1800 and 1900 Phantom; Righ Hand Section; Position: (106°,301°); Frequency: 1880 MHz
Probe: ET3DV6 - SN1569;ConvF(5.40,5.40,5.40); Crest factor: 8.0; Head 1900MHz: $\sigma = 1.47$ mho/m $\varepsilon_r = 38.0$ $\rho = 1.00$ g/cm³
Cube 5x5x7: SAR (1g): 1.10 mW/g, SAR (10g): 0.599 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.03 dB

Distribution of max SAR, measured against the head for (cheek+15deg.) phone position

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Distribution of SAR at 1880MHz measured against the head and right side of phantom for tilt phone position.
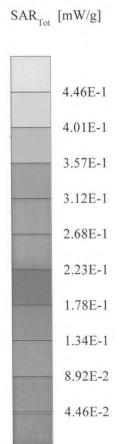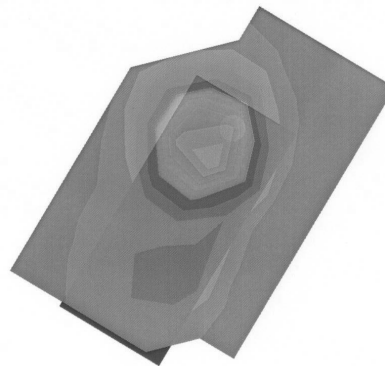
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T610

SAM 1800 and 1900 Phantom; Left Hand Section; Position: (91°,59°); Frequency: 1910 MHz
Probe: ET3DV6 - SN1569;ConvF(5.40,5.40,5.40); Crest factor: 8.0; Head 1900MHz: $\sigma = 1.47$ mho/m $\varepsilon_r = 38.0$ $\rho = 1.00$ g/cm³
Cube 5x5x7: SAR (1g): 0.449 mW/g, SAR (10g): 0.260 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.04 dB

Distribution of max SAR, measured against the head for cheek phone position.

SAR_{Tot} [mW/g]

	4.46E-1
	4.01E-1
	3.57E-1
	3.12E-1
	2.68E-1
	2.23E-1
	1.78E-1
	1.34E-1
	8.92E-2
	4.46E-2

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Distribution of SAR at 1910MHz measured against the head and left side of phantom for cheek phone position.

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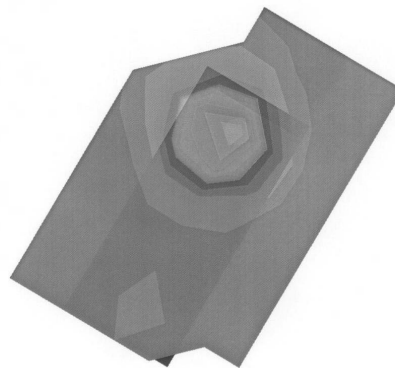| Prepared (also subject responsible if other)		No.			
LD/SEM/GUG/NM/H. Kami Shirazi		GUG/NV 03:059			
Approved	Checked	Date	Rev		Reference
LD/SEM/GUG/NM/ Mats Hansson	MHAN	030402	A		File

03/30/03 Hamid Kami
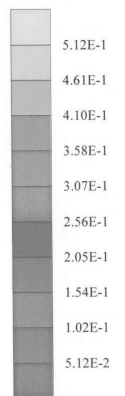
T610
SAM 1800 and 1900 Phantom; Left Hand Section; Position: (106°,59°); Frequency: 1910 MHz
Probe: ET3DV6 - SN1569;ConvF(5.40,5.40,5.40); Crest factor: 8.0; Head 1900MHz: σ = 1.47 mho/m ε$_r$ = 38.0 ρ = 1.00 g/cm³
Cube 5x5x7: SAR (1g): 0.509 mW/g, SAR (10g): 0.286 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.08 dB

Distribution of max SAR, measured against the head for (cheek+15deg.) phone position.

SAR$_{Tot}$ [mW/g]

5.12E-1
4.61E-1
4.10E-1
3.58E-1
3.07E-1
2.56E-1
2.05E-1
1.54E-1
1.02E-1
5.12E-2

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Distribution of SAR at 1910MHz measured against the head and left side of phantom for Tilt phone position.

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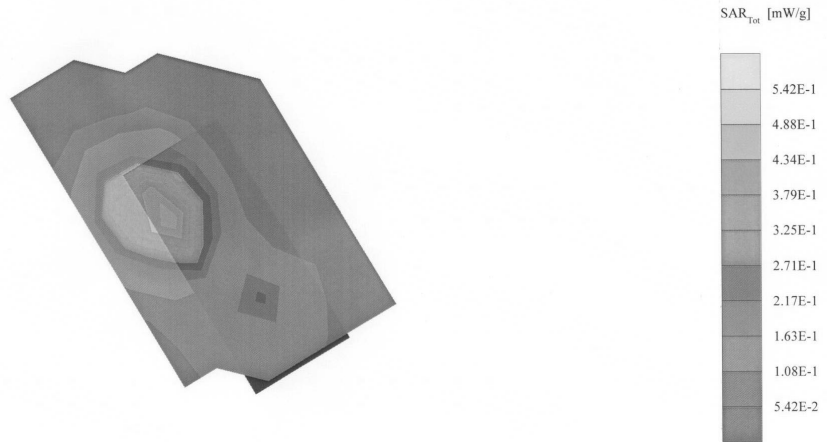| Prepared (also subject responsible if other)		No.			
LD/SEM/GUG/NM/H. Kami Shirazi		GUG/NV 03:059			
Approved	Checked	Date	Rev	Reference	
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T610

SAM 1800 and 1900 Phantom; Righ Hand Section; Position: (91°,301°); Frequency: 1910 MHz
Probe: ET3DV6 - SN1569;ConvF(5.40,5.40,5.40); Crest factor: 8.0; Head 1900MHz: $\sigma = 1.47$ mho/m $\varepsilon_r = 38.0$ $\rho = 1.00$ g/cm³
Cube 5x5x7: SAR (1g): 0.541 mW/g, SAR (10g): 0.299 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.05 dB

Distribution of max SAR, measured against the head for cheek phone position.

SAR_{Tot} [mW/g]

5.42E-1
4.88E-1
4.34E-1
3.79E-1
3.25E-1
2.71E-1
2.17E-1
1.63E-1
1.08E-1
5.42E-2

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Distribution of SAR at 1910MHz measured against the head and right side of phantom for cheek phone position.

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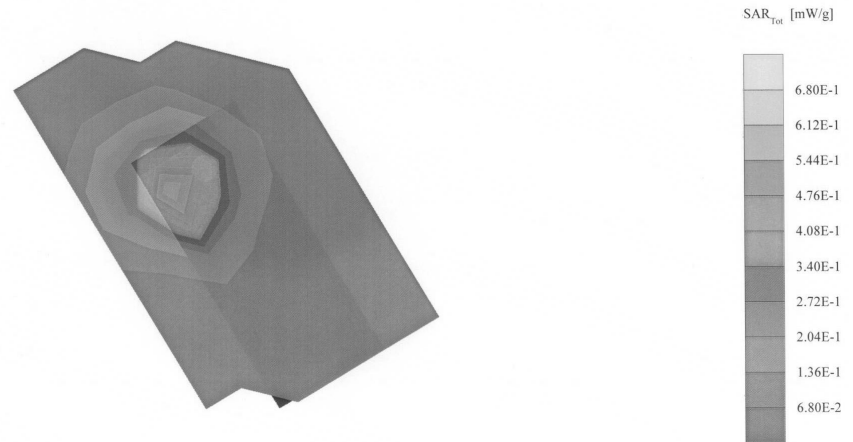
03/30/03 Hamid Kami

T610

SAM 1800 and 1900 Phantom; Righ Hand Section; Position: (106°,301°); Frequency: 1910 MHz
Probe: ET3DV6 - SN1569;ConvF(5.40,5.40,5.40); Crest factor: 8.0; Head 1900MHz: $\sigma = 1.47$ mho/m $\varepsilon_r = 38.0$ $\rho = 1.00$ g/cm³
Cube 5x5x7: SAR (1g): 0.627 mW/g, SAR (10g): 0.342 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.03 dB

Distribution of max SAR, measured against the head for (cheek+15deg) phone position.

SAR_{Tot} [mW/g]

	6.80E-1
	6.12E-1
	5.44E-1
	4.76E-1
	4.08E-1
	3.40E-1
	2.72E-1
	2.04E-1
	1.36E-1
	6.80E-2

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Distribution of SAR at 1910MHz measured against the head and left side of phantom for tilt phone position.