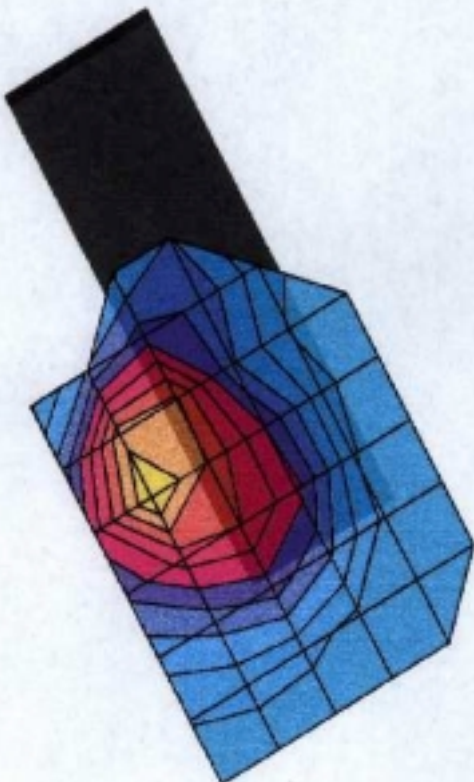


APPENDIX A
SAR EVALUATION DATA

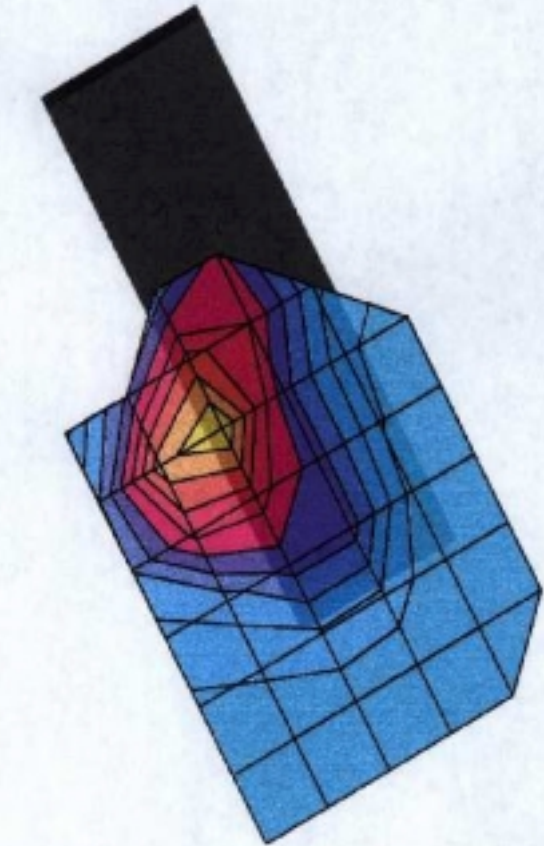
HGP-230

Phantom: Gemini Twin, Section: Left Hand, Position: (80°,65°), Frequency: 1851 [MHz]
Probe: ETSDV3 - SN1333, Core(S 31,5,31,5,31), Core Factor: 1.0, Brain: 1900 MHzco = 1.81 [mbed/m] $\epsilon_r = 38.6$ $\rho = 1.00$ [g/cm³]
Cube Size: SAR (1g): 0.256 [mW/g], SAR (10g): 0.148 [mW/g] (Worst-case extrapolation)
Course Dx = 20.0, Dy = 20.0, Dz = 10.0
Power/dft: 0.14 dB, Antenna O/P power = 240 mW, Antenna Out



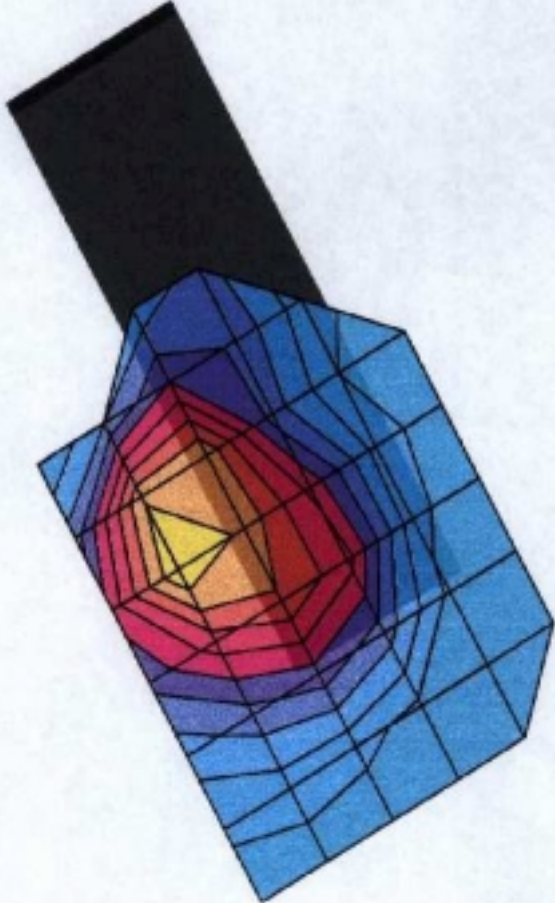
HGP-230

Phantom: Generic Twin; Section: Left Hand; Position: (80°, 65°); Frequency: 1880 [MHz]
Probe: ET3DV5 - SN1333; CoreF(5.31, 5.31, 5.31); Core Factor: 1.0; Brain 1900 MHz: $\epsilon_r = 38.6$ $\rho = 1.00$ [g/cm³]
Cube 3x3x7; SAR (1g) 0.195 [mW/g]; SAR (10g) 0.108 [mW/g]; (Worst-case extrapolation)
Course Dx = 20.0; Dy = 20.0; Dz = 10.0
Powerdrift: -0.17 dB; Antenna O/P power = 240 mW; Antenna In



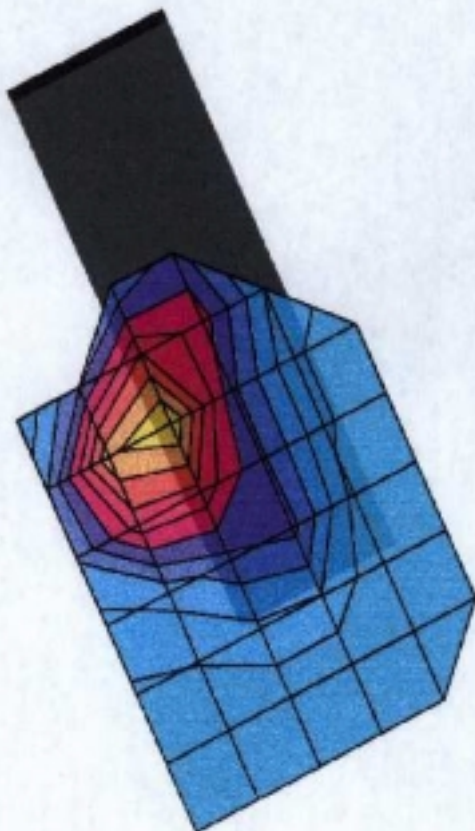
HGP-230

Phantom: Generic Twin, Section: Left Hand, Position: (80°, 65°), Frequency: 1880 [MHz]
Probe: ET10DV5 - SN1333; Core(5.31, 5.31, 5.31); Crest Factor: 1.0; Brain 1900 MHz $\sigma = 1.81$ [mho/m] $\epsilon_r = 38.6$ $\rho = 1.00$ [g/cm³]
Cube 5x5x7, SAR (1g) 0.233 [mW/g], SAR (10g) 0.134 [mW/g], (Worst-case extrapolation)
Course Dx = 20.0, Dy = 20.0, Dz = 10.0
Power/diff: 0.36 dB, Antenna O/P power = 240 mW, Antenna Out



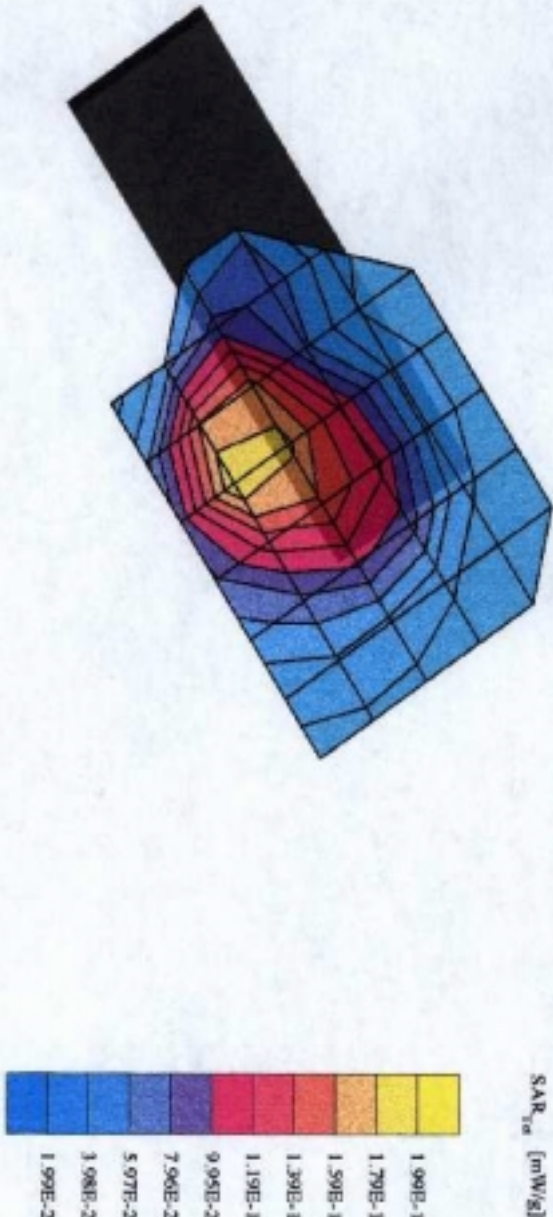
HGP-230

Phantom: Generic Twin, Section: Left Hand, Position: (80°, 65°), Frequency: 1908 [MHz]
Probe: ETMDV3 - SN1333, Conn(5,3),5,3), Crest Factor: 1.0, Brain: 1900 MHz $\sigma = 1.81$ [mho/m] $\epsilon_r = 38.6$ $\rho = 1.00$ [g/cm³]
Cube 5x5x7, SAR (1g) 0.210 [mW/g], SAR (10g) 0.115 [mW/g] (Worst-case extrapolation)
Course Dx = 20.0, Dy = 20.0, Dz = 10.0
Power/drift: -0.17 dB, Antenna O/P power = 240 mW, Antenna In



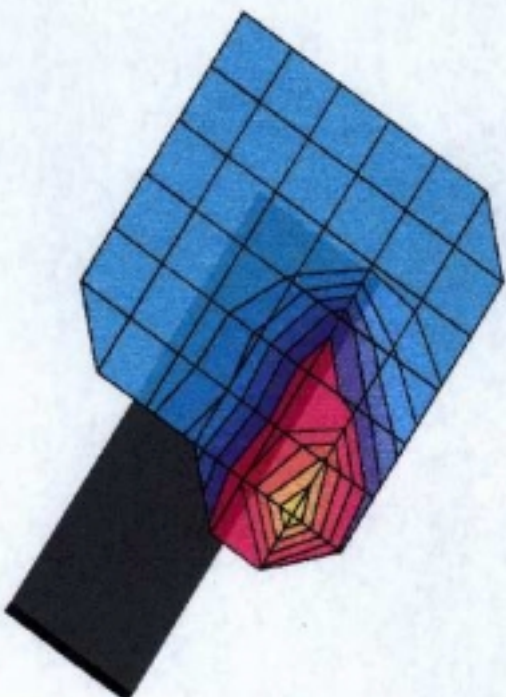
HGP-230

Phantom: Generic Twin, Section: Left Hand, Position: (90°, 65°), Frequency: 1908 [MHz]
Probe: ETMDV5 - SN1333, Gain(F(5.31, 5.31, 5.31)), Crest Factor: 1.0, Brains 1900 MHz: $\sigma = 1.81$ [inhom] $\epsilon_s = 38.6$ $\rho = 1.00$ [g/cm³]
Cube 3x3x7, SAR (1g): 0.217 [mW/g], SAR (10g): 0.123 [mW/g], (Worst-case extrapolation)
Course: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdelt: 0.12 dB, Antenna O/P power = 240 mW, Antenna Out



HGP-230

Phantom: Generic Twin; Section: Right Hand; Position: (80° 64°); Frequency: 1851 [MHz]
Probe: ETHDV5 - SN1333; Config(4,31,5,31); Crest Factor: 1.0; Brain 1900 MHz; $\sigma = 1.81$ [mho/m]; $\epsilon_r = 38.6$; $\rho = 1.00$ [g/cm³]
Cube 5x5x7; SAR (1g): 0.141 [mW/g]; SAR (10g): 0.0784 [mW/g]; (Worst-case extrapolation)
Course Dx = 20.0; Dy = 20.0; Dz = 10.0
Powerdrift: 0.04 dB; Antenna In



HGP-230

Phantom: Generic Twin Section Right Hand, Position: (80° 65°), Frequency: 1851 [MHz]
 Probe: ET3DV5 - SN1333, CoreF(5.31,5.31,5.31), Crest Factor: 1.0, Brain 1900 MHz $\sigma = 1.81$ [mho/m] $\epsilon_r = 38.6$ $\rho = 1.00$ [g/cm³]
 Case 3x5x7, SAR (1g): 0.224 [mW/g], SAR (10g): 0.126 [mW/g], (Worst-case extrapolation)
 Course Dx = 20.0, Dy = 20.0, Dz = 10.0
 Powerdelt: 0.07 dB, Antenna Out

