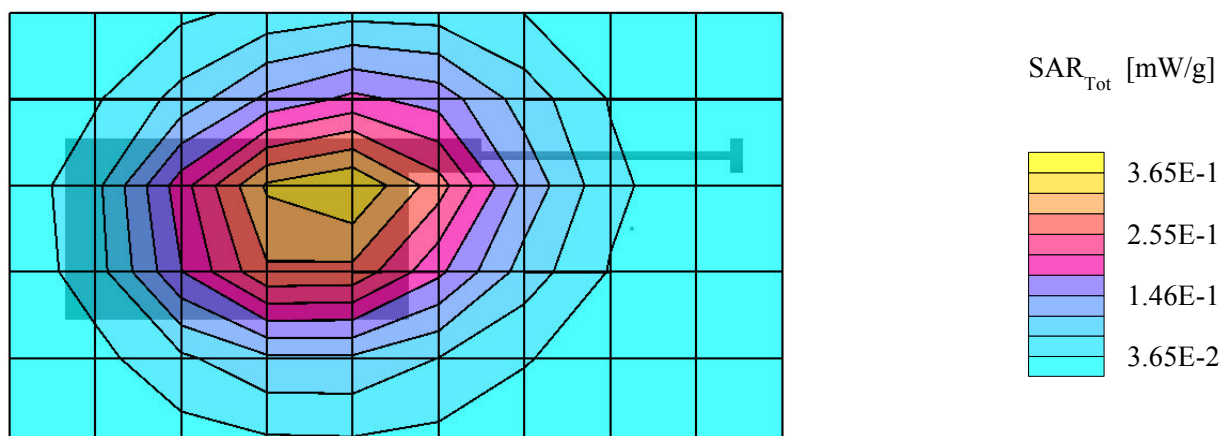


HANWHA CORPORATION FCC ID: OCCHWT-5000

Generic Twin Phantom; Flat Section; Position: (270°,270°);
Probe: ET3DV6 - SN1387; ConvF(6.43,6.43,6.43); Crest factor: 1.0;
Muscle 835 MHz: $\sigma = 0.95$ mho/m $\epsilon_r = 56.1$ $\rho = 1.00$ g/cm³
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 0.352 mW/g, SAR (10g): 0.238 mW/g

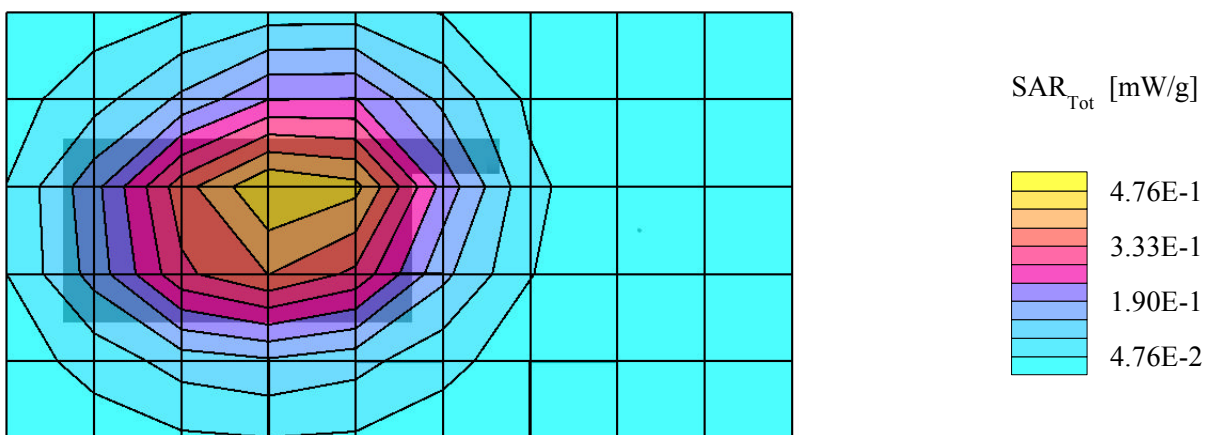
Body Worn Using 1.0cm Holster
HANWHA CORPORATION Dual Band Tri-Mode
Model HWT-5000
Unmodulated Carrier
Channel 799 [848.97MHz]
Conducted Power 27.0dBm
Date Tested: Oct 18, 2000



HANWHA CORPORATION FCC ID: OCCHWT-5000

Generic Twin Phantom; Flat Section; Position: (270°,270°);
Probe: ET3DV6 - SN1387; ConvF(6.43,6.43,6.43); Crest factor: 1.0;
Muscle 835 MHz: $\sigma = 0.95$ mho/m $\epsilon_r = 56.1$ $\rho = 1.00$ g/cm³
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 0.468 mW/g, SAR (10g): 0.316 mW/g

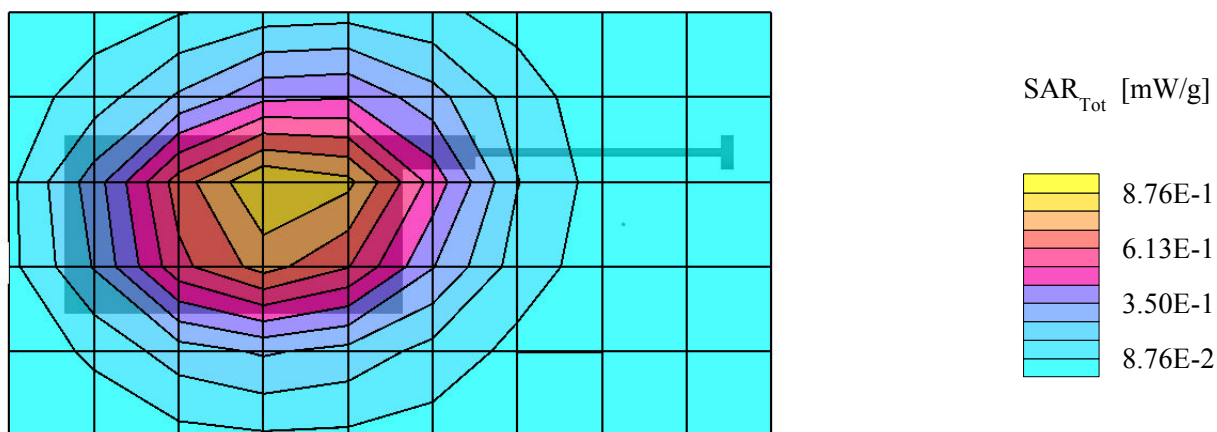
Extended Battery
Body Worn Using 1.0cm Holster
HANWHA CORPORATION Dual Band Tri-Mode
Model HWT-5000
Unmodulated Carrier
Channel 383 [836.49MHz]
Conducted Power 27.0dBm
Date Tested: Oct 18, 2000



HANWHA CORPORATION FCC ID: OCCHWT-5000

Generic Twin Phantom; Flat Section; Position: (270°,270°);
Probe: ET3DV6 - SN1387; ConvF(6.43,6.43,6.43); Crest factor: 1.0;
Muscle 835 MHz: $\sigma = 0.95$ mho/m $\epsilon_r = 56.1$ $\rho = 1.00$ g/cm³
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 0.750 mW/g, SAR (10g): 0.510 mW/g

Extended Battery
Body Worn Using 1.0cm Holster
HANWHA CORPORATION Dual Band Tri-Mode
Model HWT-5000
Unmodulated Carrier
Channel 383 [836.49MHz]
Conducted Power 27.0dBm
Date Tested: Oct 18, 2000



HANWHA CORPORATION FCC ID: OCCHWT-5000

Generic Twin Phantom; Flat Section; Position: (270°,270°);
Probe: ET3DV6 - SN1387; ConvF(6.43,6.43,6.43); Crest factor: 1.0;
Muscle 835 MHz: $\sigma = 0.95$ mho/m $\epsilon_r = 56.1$ $\rho = 1.00$ g/cm³
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Cube 5x5x7

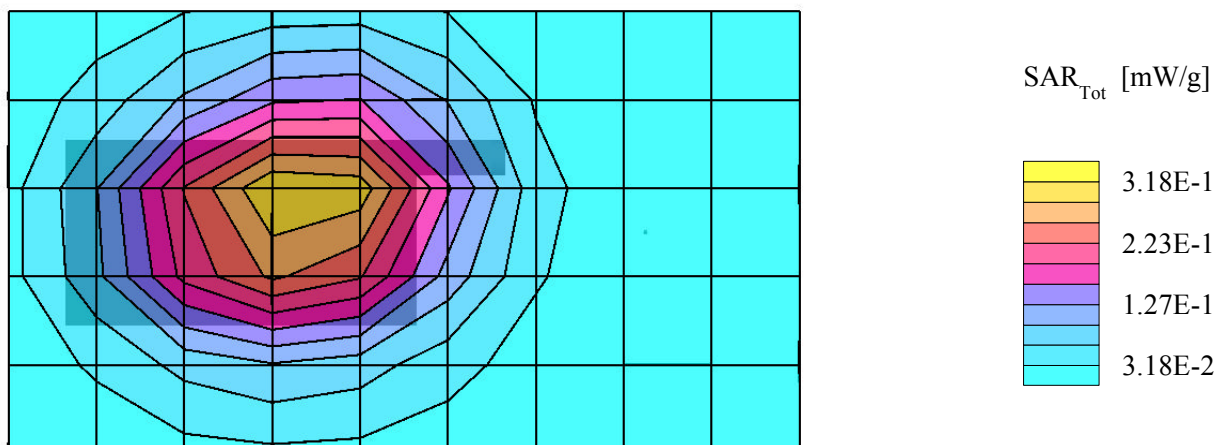
SAR (1g): 0.314 mW/g, SAR (10g): 0.210 mW/g

Body Worn Using 1.0cm Holster
HANWHA CORPORATION Dual Band Tri-Mode
Model HWT-5000
CDMA Mode

Channel 1013 [824.70MHz]

Conducted Power 25.0dBm

Date Tested: Oct 18, 2000



HANWHA CORPORATION FCC ID: OCCHWT-5000

Generic Twin Phantom; Flat Section; Position: (270°,270°);
Probe: ET3DV6 - SN1387; ConvF(6.43,6.43,6.43); Crest factor: 1.0;

Muscle 835 MHz: $\sigma = 0.95$ mho/m $\epsilon_r = 56.1$ $\rho = 1.00$ g/cm³

Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Cube 5x5x7

SAR (1g): 0.263 mW/g, SAR (10g): 0.178 mW/g

Body Worn Using 1.0cm Holster

HANWHA CORPORATION Dual Band Tri-Mode

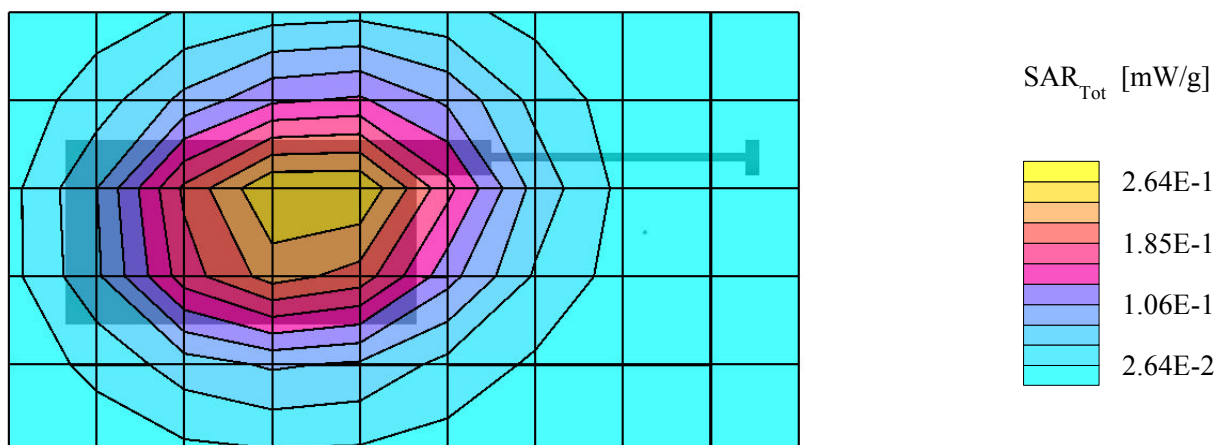
Model HWT-5000

CDMA Mode

Channel 1013 [824.70MHz]

Conducted Power 25.0dBm

Date Tested: Oct 18, 2000



HANWHA CORPORATION FCC ID: OCCHWT-5000

Generic Twin Phantom; Flat Section; Position: (270°,270°);
Probe: ET3DV6 - SN1387; ConvF(6.43,6.43,6.43); Crest factor: 1.0;

Muscle 835 MHz: $\sigma = 0.95$ mho/m $\epsilon_r = 56.1$ $\rho = 1.00$ g/cm³

Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Cube 5x5x7

SAR (1g): 0.310 mW/g, SAR (10g): 0.207 mW/g

Body Worn Using 1.0cm Holster

HANWHA CORPORATION Dual Band Tri-Mode

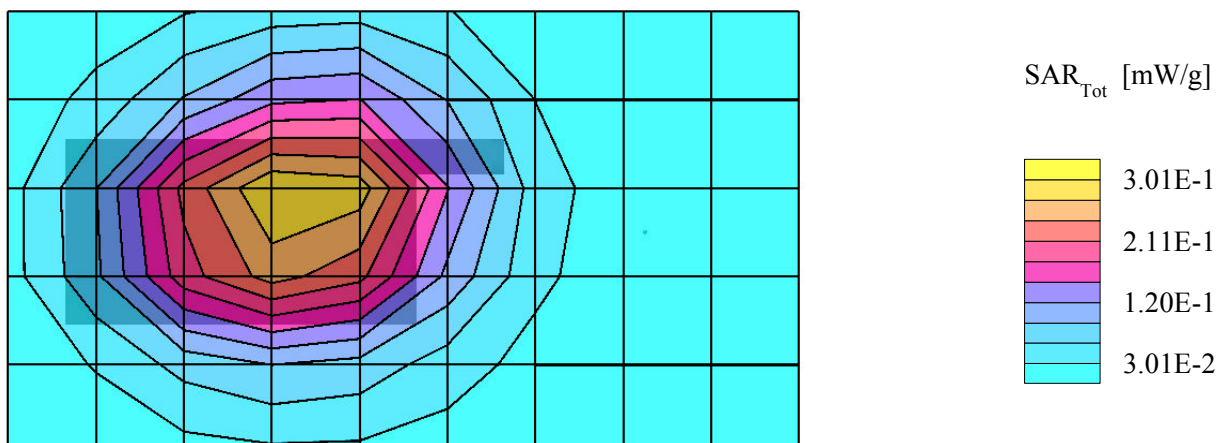
Model HWT-5000

CDMA Mode

Channel 363 [835.89MHz]

Conducted Power 25.0dBm

Date Tested: Oct 18, 2000



HANWHA CORPORATION FCC ID: OCCHWT-5000

Generic Twin Phantom; Flat Section; Position: (270°,270°);
Probe: ET3DV6 - SN1387; ConvF(6.43,6.43,6.43); Crest factor: 1.0;

Muscle 835 MHz: $\sigma = 0.95$ mho/m $\epsilon_r = 56.1$ $\rho = 1.00$ g/cm³

Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Cube 5x5x7

SAR (1g): 0.605 mW/g, SAR (10g): 0.408 mW/g

Body Worn Using 1.0cm Holster

HANWHA CORPORATION Dual Band Tri-Mode

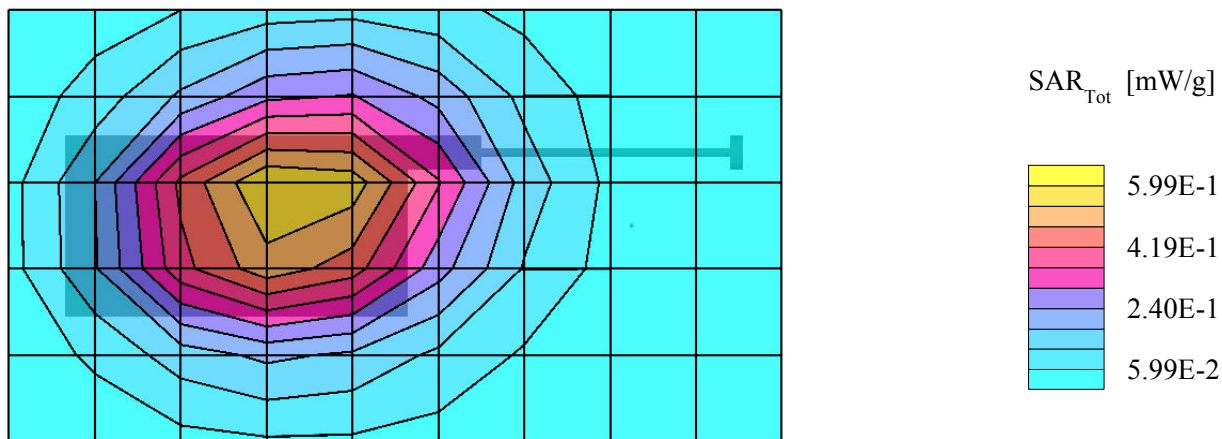
Model HWT-5000

CDMA Mode

Channel 363 [835.89MHz]

Conducted Power 25.0dBm

Date Tested: Oct 18, 2000



HANWHA CORPORATION FCC ID: OCCHWT-5000

Generic Twin Phantom; Flat Section; Position: (270°,270°);
Probe: ET3DV6 - SN1387; ConvF(6.43,6.43,6.43); Crest factor: 1.0;

Muscle 835 MHz: $\sigma = 0.95$ mho/m $\epsilon_r = 56.1$ $\rho = 1.00$ g/cm³

Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Cube 5x5x7

SAR (1g): 0.155 mW/g, SAR (10g): 0.103 mW/g

Body Worn Using 1.0cm Holster

HANWHA CORPORATION Dual Band Tri-Mode

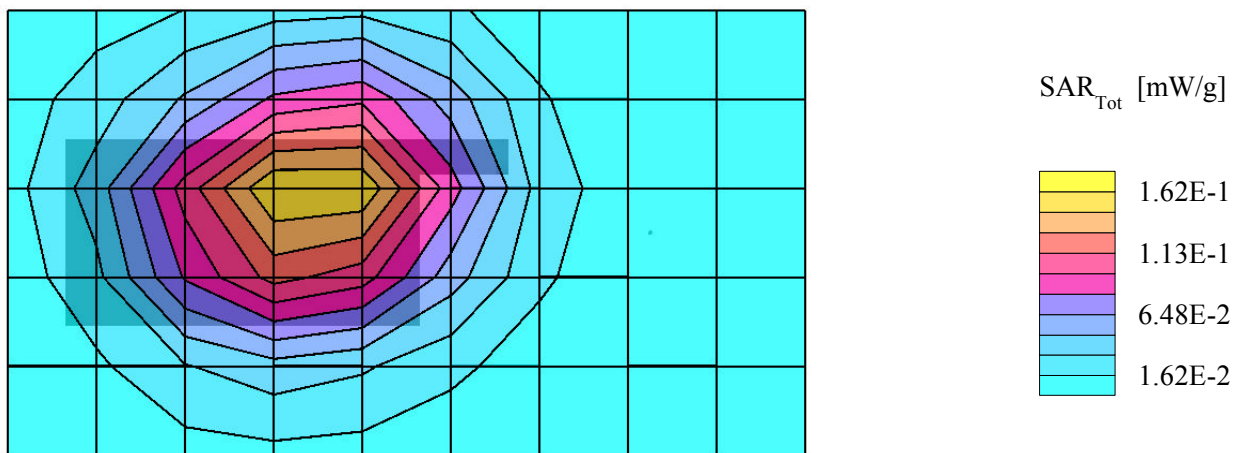
Model HWT-5000

CDMA Mode

Channel 777 [848.31MHz]

Conducted Power 25.0dBm

Date Tested: Oct 18, 2000



HANWHA CORPORATION FCC ID: OCCHWT-5000

Generic Twin Phantom; Flat Section; Position: (270°,270°);
Probe: ET3DV6 - SN1387; ConvF(6.43,6.43,6.43); Crest factor: 1.0;

Muscle 835 MHz: $\sigma = 0.95$ mho/m $\epsilon_r = 56.1$ $\rho = 1.00$ g/cm³

Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Cube 5x5x7

SAR (1g): 0.173 mW/g, SAR (10g): 0.116 mW/g

Body Worn Using 1.0cm Holster

HANWHA CORPORATION Dual Band Tri-Mode

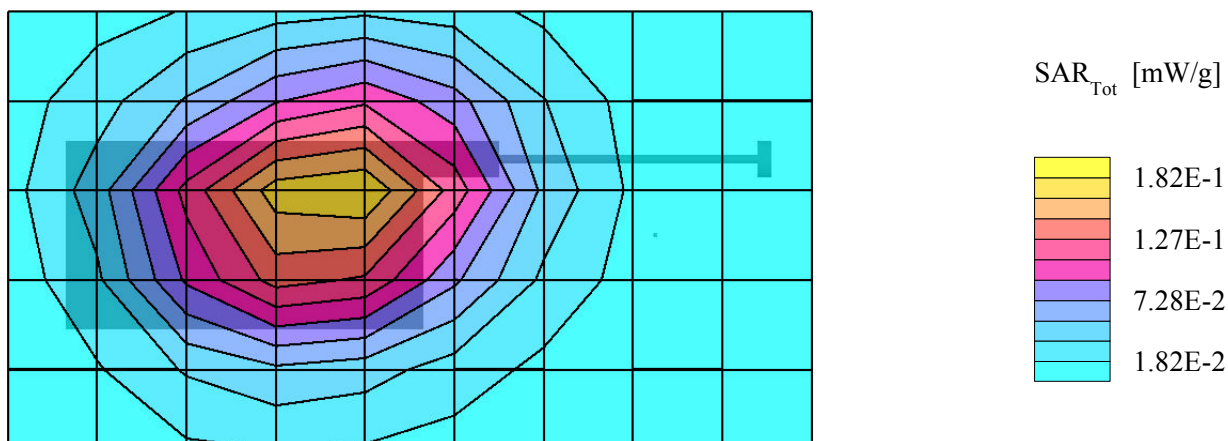
Model HWT-5000

CDMA Mode

Channel 777 [848.31MHz]

Conducted Power 25.0dBm

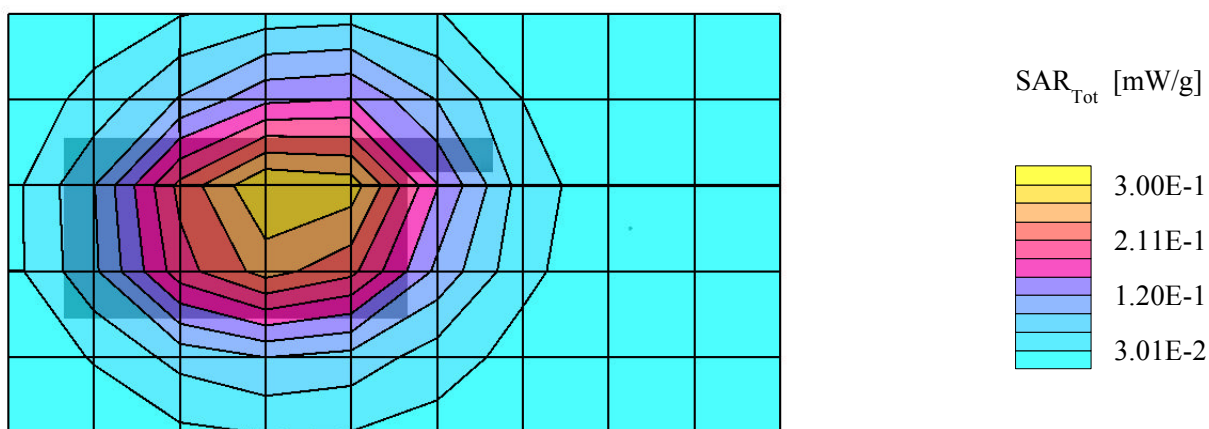
Date Tested: Oct 18, 2000



HANWHA CORPORATION FCC ID: OCCHWT-5000

Generic Twin Phantom; Flat Section; Position: (270°,270°);
Probe: ET3DV6 - SN1387; ConvF(6.43,6.43,6.43); Crest factor: 1.0;
Muscle 835 MHz: $\sigma = 0.95$ mho/m $\epsilon_r = 56.1$ $\rho = 1.00$ g/cm³
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 0.303 mW/g, SAR (10g): 0.203 mW/g

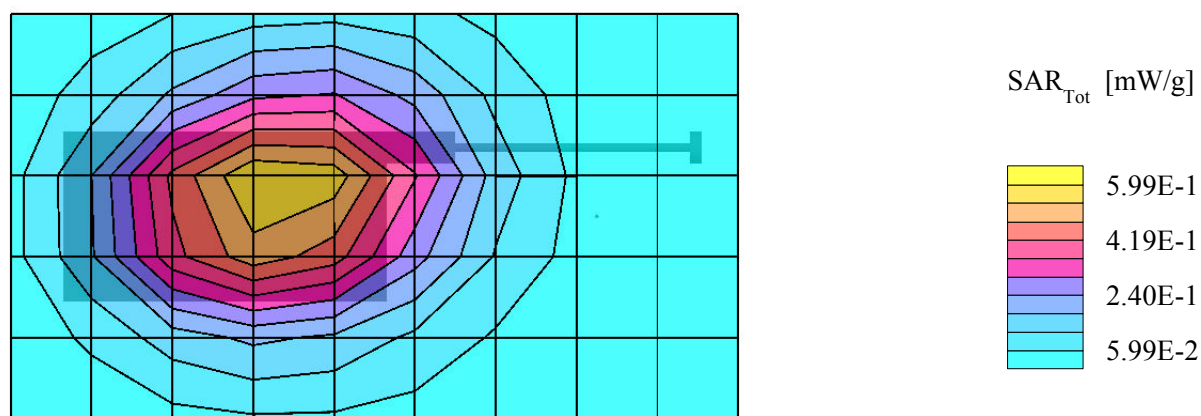
Extended Battery
Body Worn Using 1.0cm Holster
HANWHA CORPORATION Dual Band Tri-Mode
Model HWT-5000
CDMA Mode
Channel 363 [835.89MHz]
Conducted Power 25.0dBm
Date Tested: Oct 18, 2000



HANWHA CORPORATION FCC ID: OCCHWT-5000

Generic Twin Phantom; Flat Section; Position: (270°,270°);
Probe: ET3DV6 - SN1387; ConvF(6.43,6.43,6.43); Crest factor: 1.0;
Muscle 835 MHz: $\sigma = 0.95$ mho/m $\epsilon_r = 56.1$ $\rho = 1.00$ g/cm³
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 0.599 mW/g, SAR (10g): 0.404 mW/g

Extended Battery
Body Worn Using 1.0cm Holster
HANWHA CORPORATION Dual Band Tri-Mode
Model HWT-5000
CDMA Mode
Channel 363 [835.89MHz]
Conducted Power 25.0dBm
Date Tested: Oct 18, 2000



HANWHA CORPORATION FCC ID: OCCHWT-5000

Generic Twin Phantom; Flat Section; Position: (270°,270°);
Probe: ET3DV6 - SN1387; ConvF(5.50,5.50,5.50); Crest factor: 1.0;
Muscle1800 MHz: $\sigma = 1.45$ mho/m $\epsilon_r = 54.0$ $\rho = 1.00$ g/cm³

Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Cube 5x5x7

SAR (1g): 0.435 mW/g, SAR (10g): 0.242 mW/g

Body Worn Using 1.0cm Holster

HANWHA CORPORATION Dual Band Tri-Mode

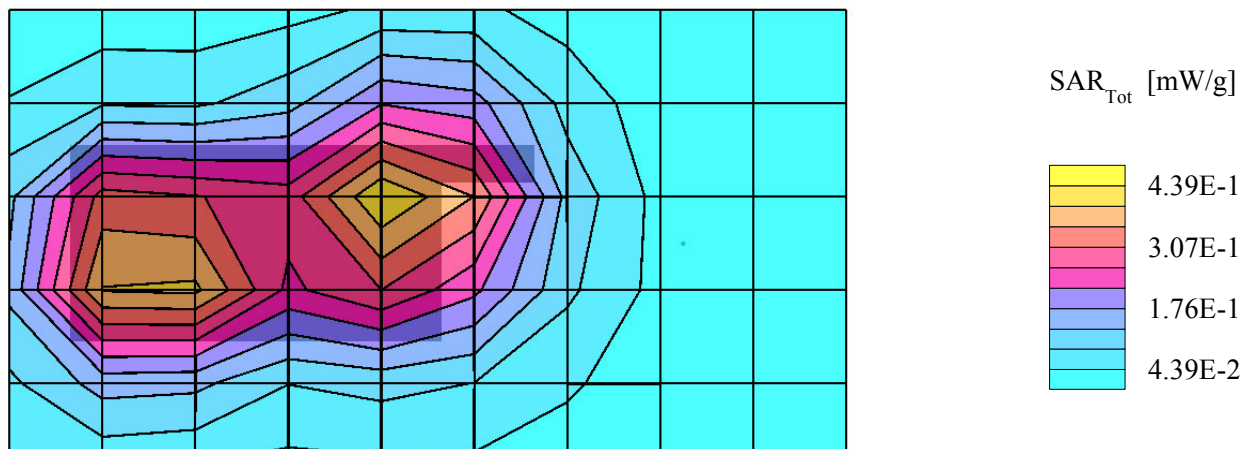
Model HWT-5000

PCS Mode

Channel 0025 [1851.25MHz]

Conducted Power 24.5dBm

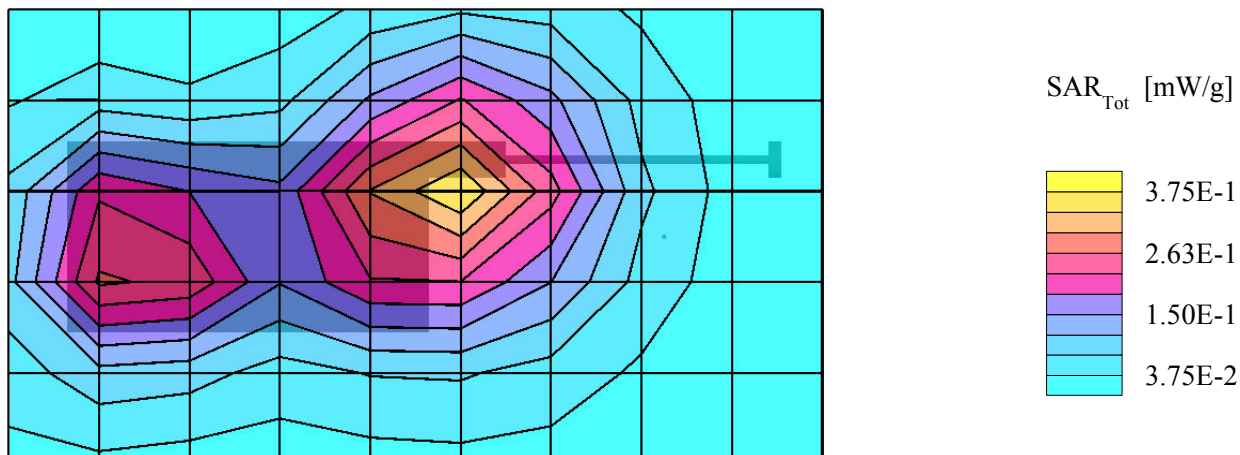
Date Tested: Oct 18, 2000



HANWHA CORPORATION FCC ID: OCCHWT-5000

Generic Twin Phantom; Flat Section; Position: (270°,270°);
Probe: ET3DV6 - SN1387; ConvF(5.50,5.50,5.50); Crest factor: 1.0;
Muscle1800 MHz: $\sigma = 1.45$ mho/m $\epsilon_r = 54.0$ $\rho = 1.00$ g/cm³
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 0.352 mW/g, SAR (10g): 0.201 mW/g

Body Worn Using 1.0cm Holster
HANWHA CORPORATION Dual Band Tri-Mode
Model HWT-5000
PCS Mode
Channel 0025 [1851.25MHz]
Conducted Power 24.5dBm
Date Tested: Oct 18, 2000



HANWHA CORPORATION FCC ID: OCCHWT-5000

Generic Twin Phantom; Flat Section; Position: (270°,270°);
Probe: ET3DV6 - SN1387; ConvF(5.50,5.50,5.50); Crest factor: 1.0;
Muscle1800 MHz: $\sigma = 1.45$ mho/m $\epsilon_r = 54.0$ $\rho = 1.00$ g/cm³
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Cube 5x5x7

SAR (1g): 0.606 mW/g, SAR (10g): 0.331 mW/g

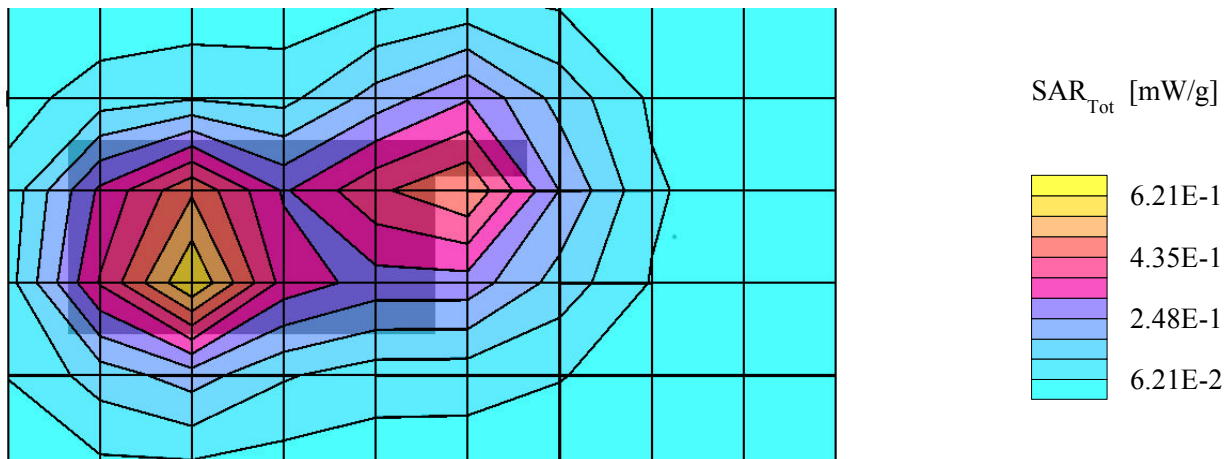
Body Worn Using 1.0cm Holster
HANWHA CORPORATION Dual Band Tri-Mode
Model HWT-5000

PCS Mode

Channel 600 [1880.00MHz]

Conducted Power 24.5dBm

Date Tested: Oct 18, 2000



HANWHA CORPORATION FCC ID: OCCHWT-5000

Generic Twin Phantom; Flat Section; Position: (270°,270°);
Probe: ET3DV6 - SN1387; ConvF(5.50,5.50,5.50); Crest factor: 1.0;
Muscle1800 MHz: $\sigma = 1.45$ mho/m $\epsilon_r = 54.0$ $\rho = 1.00$ g/cm³
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Cube 5x5x7

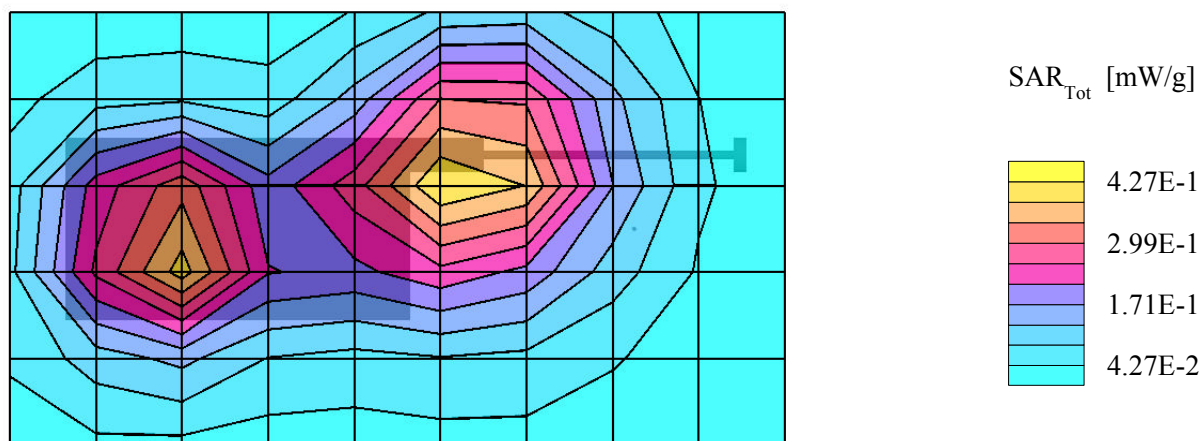
SAR (1g): 0.413 mW/g, SAR (10g): 0.230 mW/g

Body Worn Using 1.0cm Holster
HANWHA CORPORATION Dual Band Tri-Mode
Model HWT-5000
PCS Mode

Channel 600 [1880.00MHz]

Conducted Power 24.5 dBm

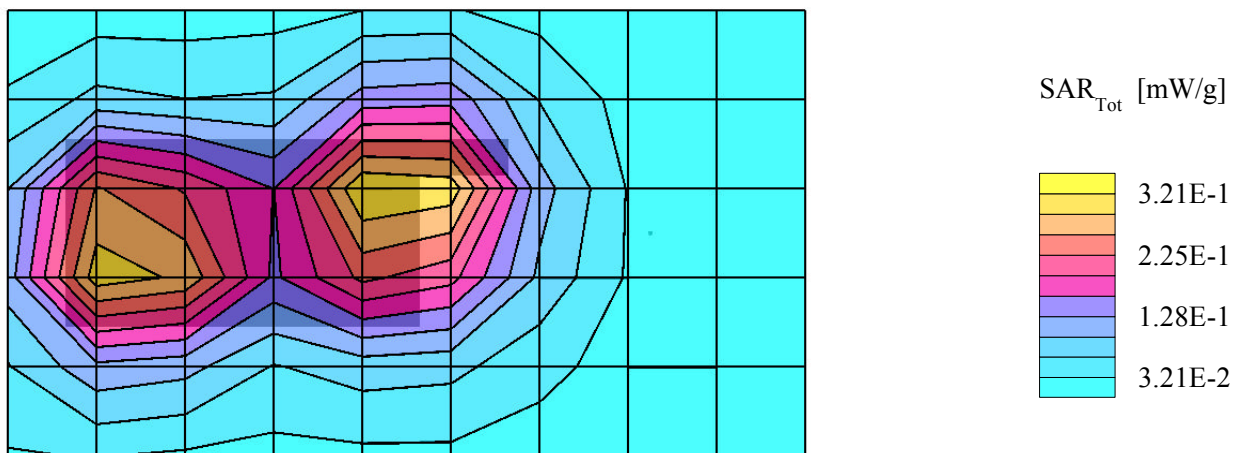
Date Tested: Oct 18, 2000



HANWHA CORPORATION FCC ID: OCCHWT-5000

Generic Twin Phantom; Flat Section; Position: (270°,270°);
Probe: ET3DV6 - SN1387; ConvF(5.50,5.50,5.50); Crest factor: 1.0;
Muscle1800 MHz: $\sigma = 1.45$ mho/m $\epsilon_r = 54.0$ $\rho = 1.00$ g/cm³
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 0.317 mW/g, SAR (10g): 0.175 mW/g

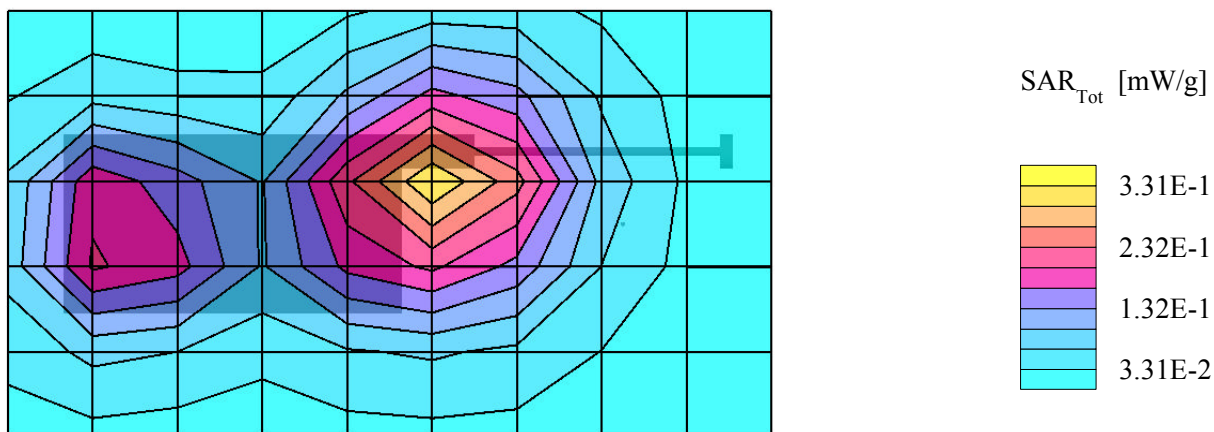
Body Worn Using 1.0cm Holster
HANWHA CORPORATION Dual Band Tri-Mode
Model HWT-5000
PCS Mode
Channel 1175 [1908.75MHz]
Conducted Power 24.5 dBm
Date Tested: Oct 18, 2000



HANWHA CORPORATION FCC ID: OCCHWT-5000

Generic Twin Phantom; Flat Section; Position: (270°,270°);
Probe: ET3DV6 - SN1387; ConvF(5.50,5.50,5.50); Crest factor: 1.0;
Muscle1800 MHz: $\sigma = 1.45$ mho/m $\epsilon_r = 54.0$ $\rho = 1.00$ g/cm³
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 0.298 mW/g, SAR (10g): 0.164 mW/g

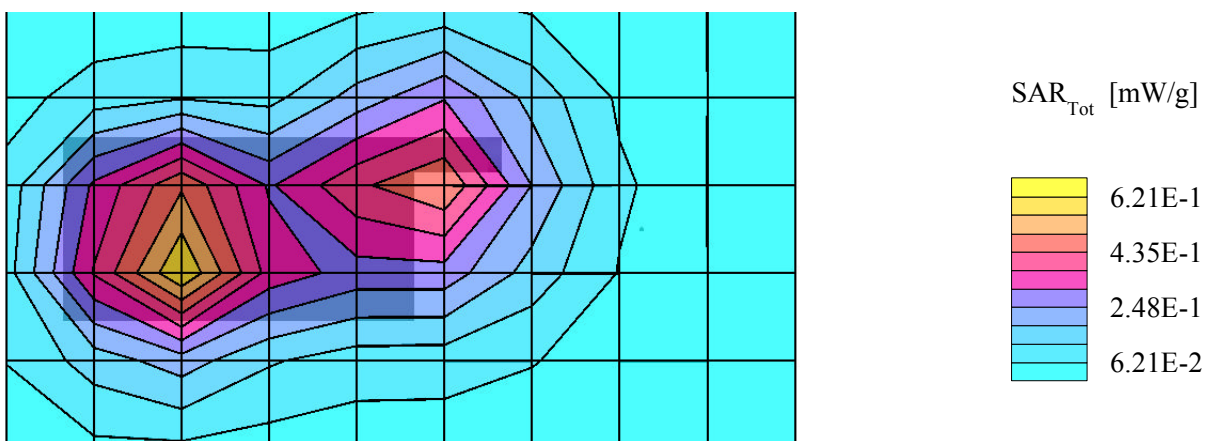
Body Worn Using 1.0cm Holster
HANWHA CORPORATION Dual Band Tri-Mode
Model HWT-5000
PCS Mode
Channel 1175 [1908.75MHz]
Conducted Power 24.5 dBm
Date Tested: Oct 18, 2000



HANWHA CORPORATION FCC ID: OCCHWT-5000

Generic Twin Phantom; Flat Section; Position: (270°,270°);
Probe: ET3DV6 - SN1387; ConvF(5.50,5.50,5.50); Crest factor: 1.0;
Muscle1800 MHz: $\sigma = 1.45$ mho/m $\epsilon_r = 54.0$ $\rho = 1.00$ g/cm³
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 0.598 mW/g, SAR (10g): 0.326 mW/g

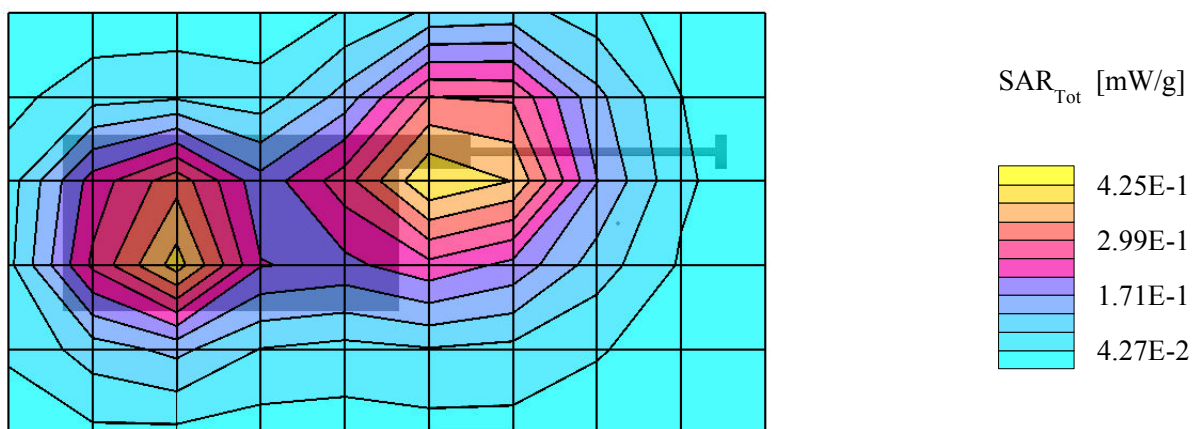
Extended Battery
Body Worn Using 1.0cm Holster
HANWHA CORPORATION Dual Band Tri-Mode
Model HWT-5000
PCS Mode
Channel 600 [1880.00MHz]
Conducted Power 24.5.dBm
Date Tested: Oct 18, 2000



HANWHA CORPORATION FCC ID: OCCHWT-5000

Generic Twin Phantom; Flat Section; Position: (270°,270°);
Probe: ET3DV6 - SN1387; ConvF(5.50,5.50,5.50); Crest factor: 1.0;
Muscle1800 MHz: $\sigma = 1.45$ mho/m $\epsilon_r = 54.0$ $\rho = 1.00$ g/cm³
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 0.404 mW/g, SAR (10g): 0.225 mW/g

Extended Battery
Body Worn Using 1.0cm Holster
HANWHA CORPORATION Dual Band Tri-Mode
Model HWT-5000
PCS Mode
Channel 600 [1880.00MHz]
Conducted Power 24.5 dBm
Date Tested: Oct 18, 2000



HANWHA CORPORATION FCC ID: OCCHWT-5000

Generic Twin Phantom; Flat Section; Position: (270°,270°);
Probe: ET3DV6 - SN1387; ConvF(6.43,6.43,6.43); Crest factor: 1.0;

Muscle 835 MHz: $\sigma = 0.95$ mho/m $\epsilon_r = 56.1$ $\rho = 1.00$ g/cm³

Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Cube 5x5x7

SAR (1g): 1.93 mW/g, SAR (10g): 1.23 mW/g

Hand SAR

HANWHA CORPORATION Dual Band Tri-Mode

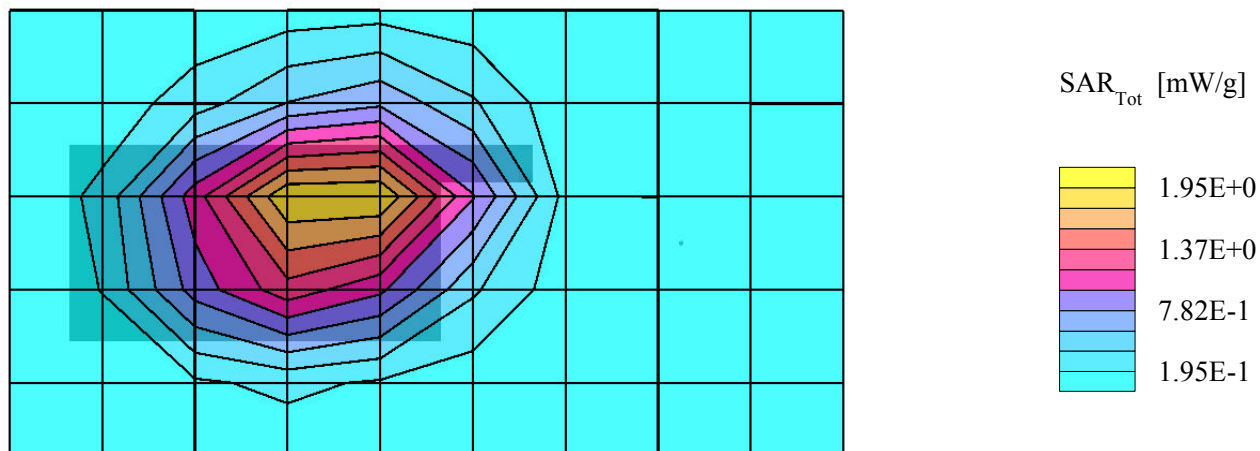
Model HWT-5000

Unmodulated Carrier

Channel 383 [836.49MHz]

Conducted Power 27.0dBm

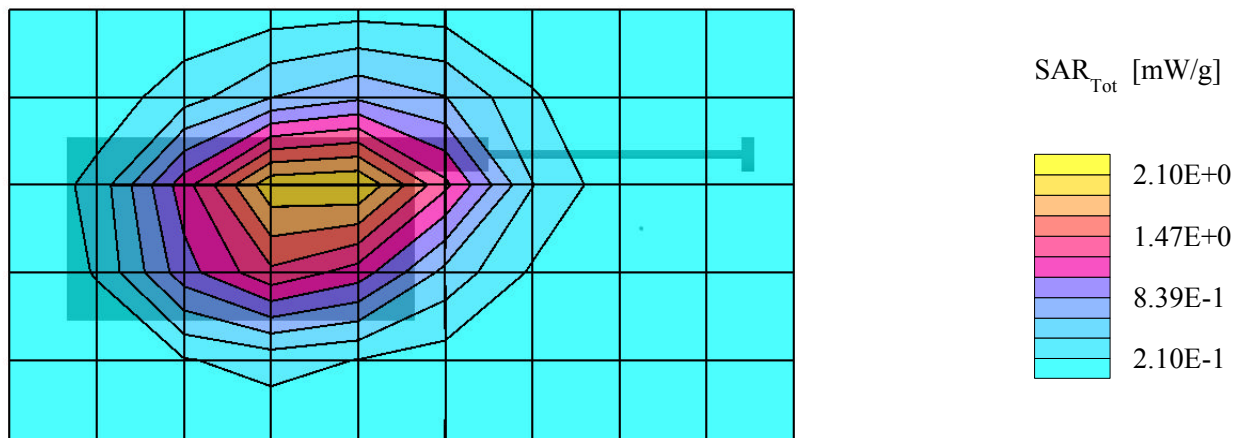
Date Tested: Oct 18, 2000



HANWHA CORPORATION FCC ID: OCCHWT-5000

Generic Twin Phantom; Flat Section; Position: (270°,270°);
Probe: ET3DV6 - SN1387; ConvF(6.43,6.43,6.43); Crest factor: 1.0;
Muscle 835 MHz: $\sigma = 0.95$ mho/m $\epsilon_r = 56.1$ $\rho = 1.00$ g/cm³
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (10g): 1.33 mW/g

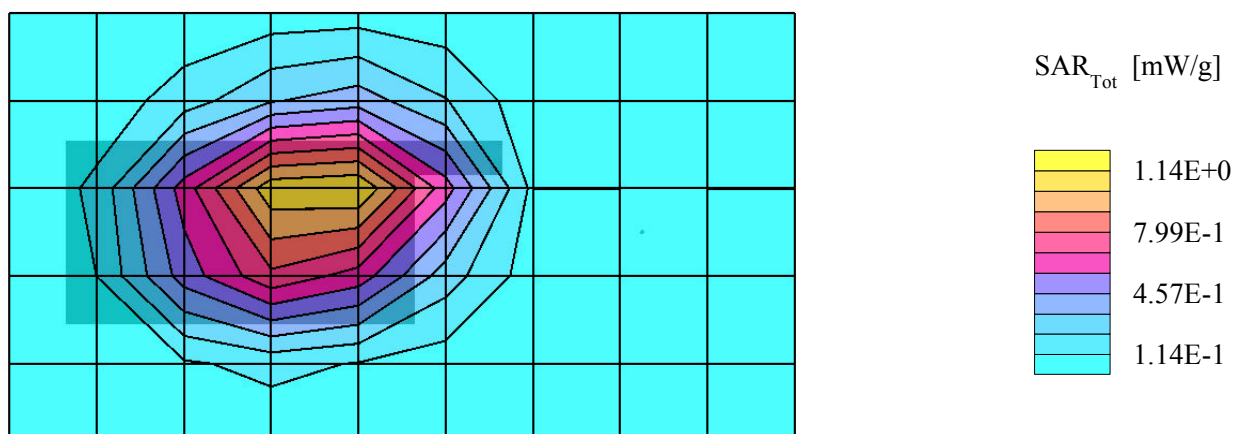
Hand SAR
HANWHA CORPORATION Dual Band Tri-Mode
Model HWT-5000
Unmodulated Carrier
Channel 383 [836.49MHz]
Conducted Power 27.0dBm
Date Tested: Oct 18, 2000



HANWHA CORPORATION FCC ID: OCCHWT-5000

Generic Twin Phantom; Flat Section; Position: (270°,270°);
Probe: ET3DV6 - SN1387; ConvF(6.43,6.43,6.43); Crest factor: 1.0;
Muscle 835 MHz: $\sigma = 0.95$ mho/m $\epsilon_r = 56.1$ $\rho = 1.00$ g/cm³
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (10g): 0.763 mW/g

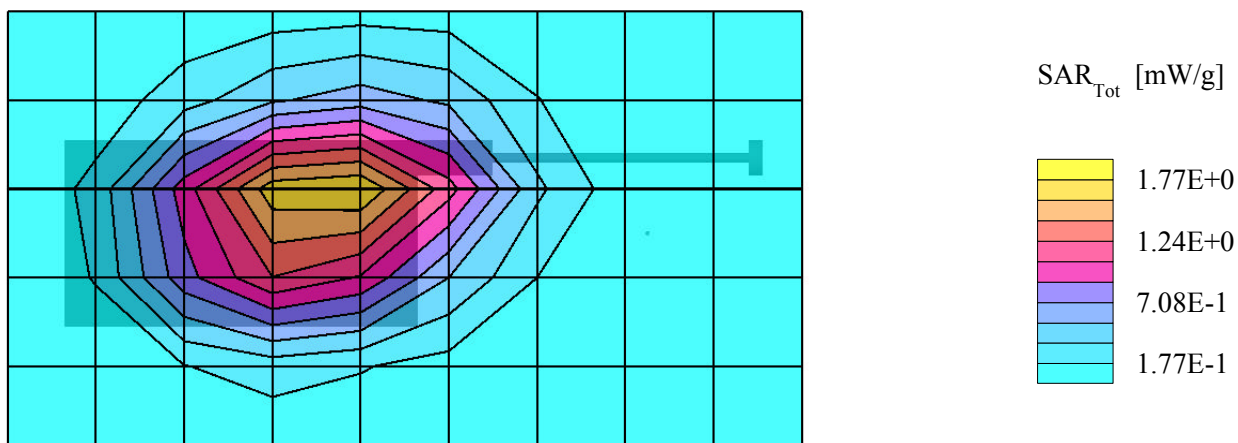
Hand SAR
HANWHA CORPORATION Dual Band Tri-Mode
Model HWT-5000
CDMA Mode
Channel 363 [835.89MHz]
Conducted Power 25.0dBm
Date Tested: Oct 18, 2000



HANWHA CORPORATION FCC ID: OCCHWT-5000

Generic Twin Phantom; Flat Section; Position: (270°,270°);
Probe: ET3DV6 - SN1387; ConvF(6.43,6.43,6.43); Crest factor: 1.0;
Muscle 835 MHz: $\sigma = 0.95$ mho/m $\epsilon_r = 56.1$ $\rho = 1.00$ g/cm³
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (10g): 1.11 mW/g

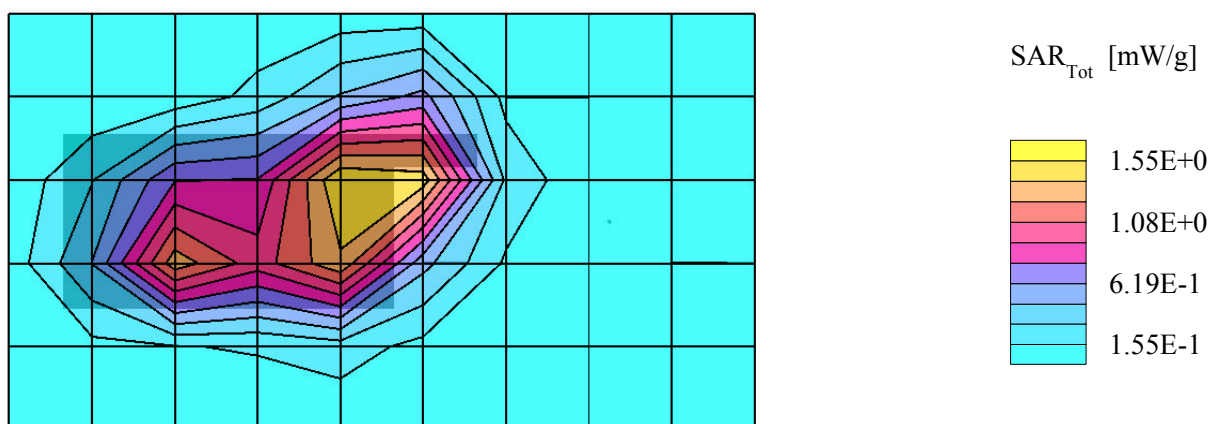
Hand SAR
HANWHA CORPORATION Dual Band Tri-Mode
Model HWT-5000
CDMA Mode
Channel 363 [835.89MHz]
Conducted Power 25.0dBm
Date Tested: Oct 18, 2000



HANWHA CORPORATION FCC ID: OCCHWT-5000

Generic Twin Phantom; Flat Section; Position: (270°,270°);
Probe: ET3DV6 - SN1387; ConvF(5.50,5.50,5.50); Crest factor: 1.0;
Muscle1800 MHz: $\sigma = 1.45$ mho/m $\epsilon_r = 54.0$ $\rho = 1.00$ g/cm³
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (10g): 0.823 mW/g

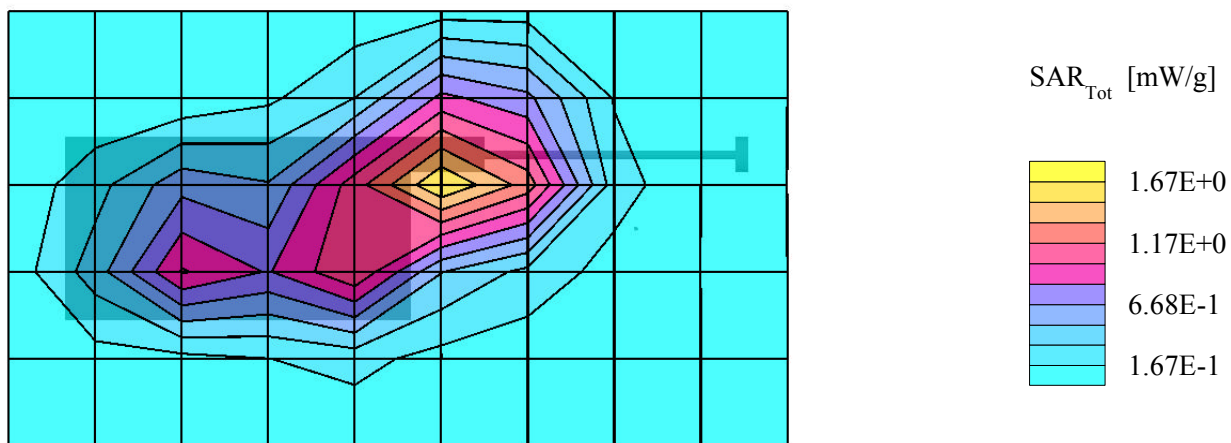
Hand SAR
HANWHA CORPORATION Dual Band Tri-Mode
Model HWT-5000
PCS Mode
Channel 600 [1880.00MHz]
Conducted Power 24.5 dBm
Date Tested: Oct 18, 2000



HANWHA CORPORATION FCC ID: OCCHWT-5000

Generic Twin Phantom; Flat Section; Position: (270°,270°);
Probe: ET3DV6 - SN1387; ConvF(5.50,5.50,5.50); Crest factor: 1.0;
Muscle1800 MHz: $\sigma = 1.45$ mho/m $\epsilon_r = 54.0$ $\rho = 1.00$ g/cm³
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (10g): 0.869 mW/g

Hand SAR
HANWHA CORPORATION Dual Band Tri-Mode
Model HWT-5000
PCS Mode
Channel 600 [1880.00MHz]
Conducted Power 24.5 dBm
Date Tested: Oct 18, 2000

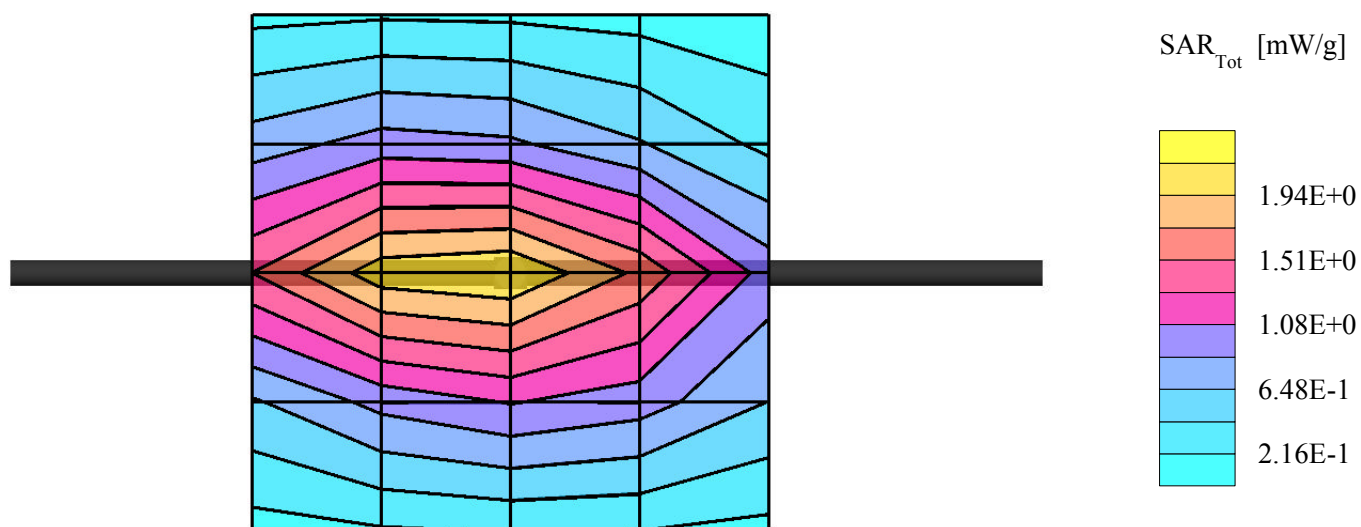


APPENDIX B – DIPOLE VALIDATION

Dipole 835 MHz

Generic Twin Phantom; Flat Section; Position: (90°,90°);
Probe: ET3DV6 - SN1387; ConvF(6.43,6.43,6.43); Crest factor: 1.0;
Brain 835 MHz: $\sigma = 0.80$ mho/m $\epsilon_r = 44.2$ $\rho = 1.00$ g/cm³
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 2.04 mW/g, SAR (10g): 1.34 mW/g

Validation Date: Oct. 18, 2000



Validation Dipole D835V2 SN:411, $d = 15\text{mm}$

Frequency: 835 MHz; Antenna Input Power: 250 [mW]

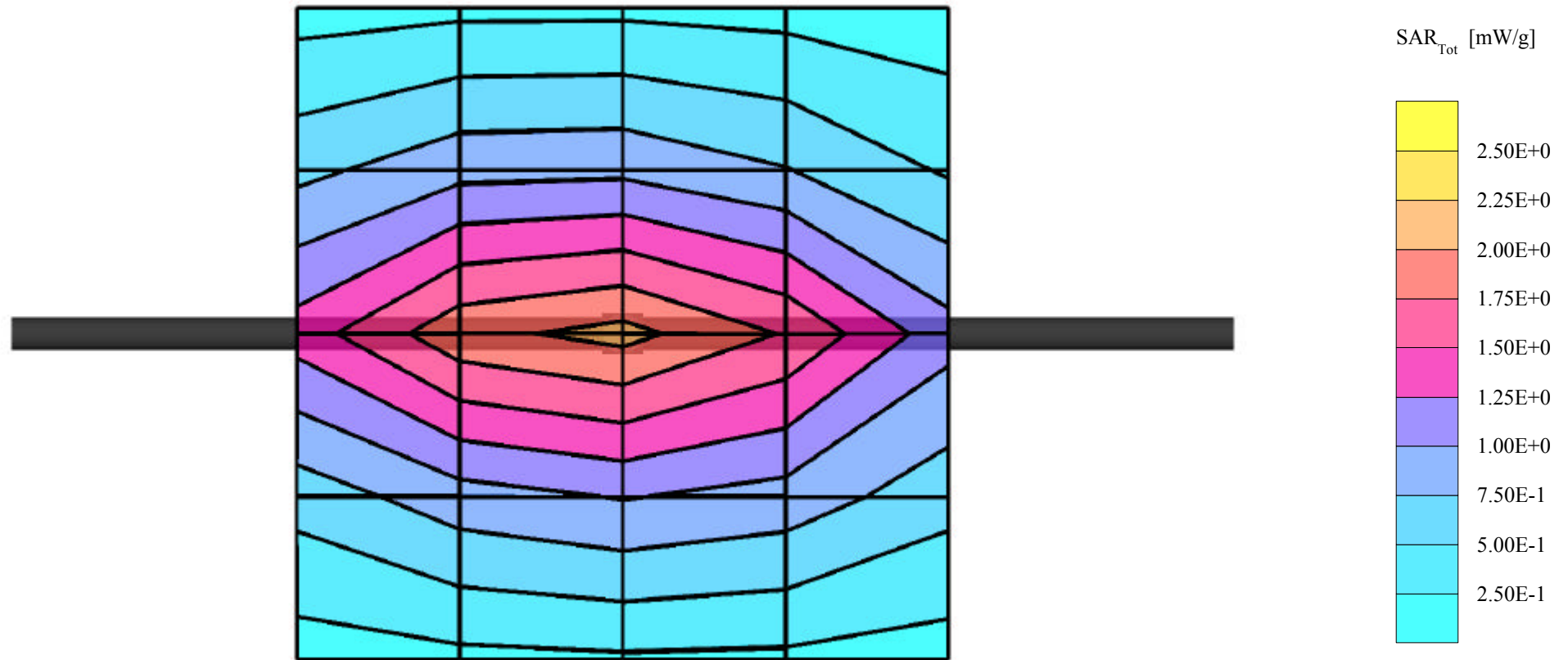
Generic Twin Phantom; Flat Section; Grid Spacing: $D_x = 20.0$, $D_y = 20.0$, $D_z = 10.0$

Probe: ET3DV5 - SN1342/DAE3; ConvF(5.75,5.75,5.75); Brain 835 MHz: $\sigma = 0.80$ mho/m $\epsilon_r = 44.2$ $\rho = 1.00$ g/cm³

Cubes (2): Peak: 3.07 mW/g ± 0.05 dB, SAR (1g): 2.06 mW/g ± 0.05 dB, SAR (10g): 1.38 mW/g ± 0.05 dB, (Worst-case extrapolation)

Penetration depth: 13.6 (12.7, 14.8) [mm]

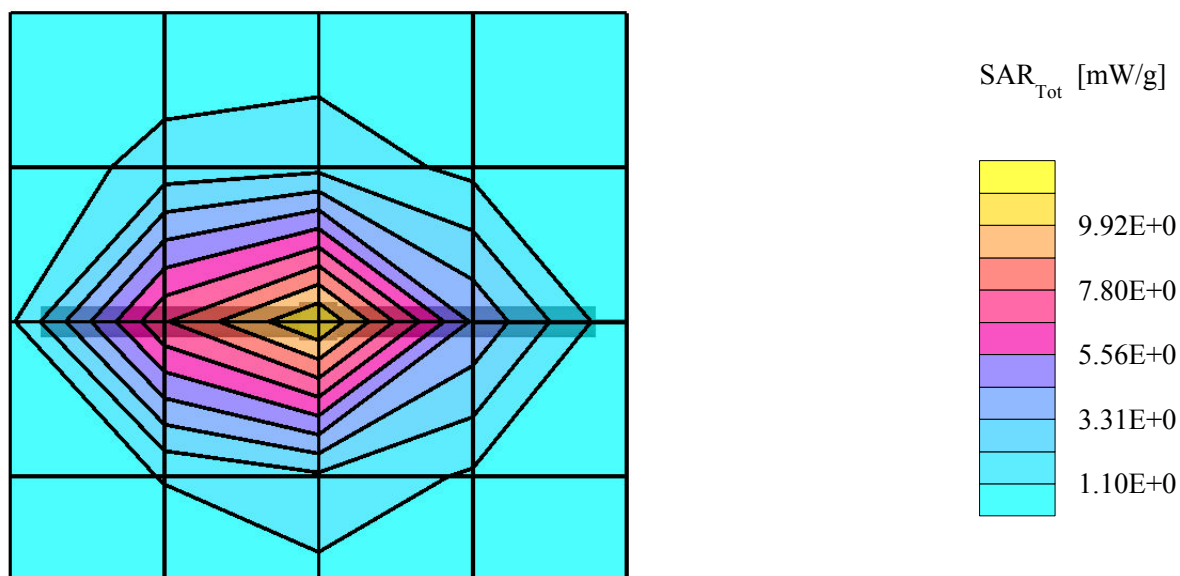
Powerdrift: -0.00 dB



Dipole 1800 MHz

Generic Twin Phantom; Flat Section; Position: (90°,90°);
Probe: ET3DV6 - SN1387; ConvF(5.50,5.50,5.50); Crest factor: 1.0;
1800MHz Brain: $\sigma = 1.68$ mho/m $\epsilon_r = 41.2$ $\rho = 1.00$ g/cm³
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 9.61 mW/g, SAR (10g): 4.82 mW/g

Date Tested: Oct 18, 2000



Validation Dipole D1800V2 SN:247, $d = 10\text{mm}$

Frequency: 1800 MHz; Antenna Input Power: 250 [mW]

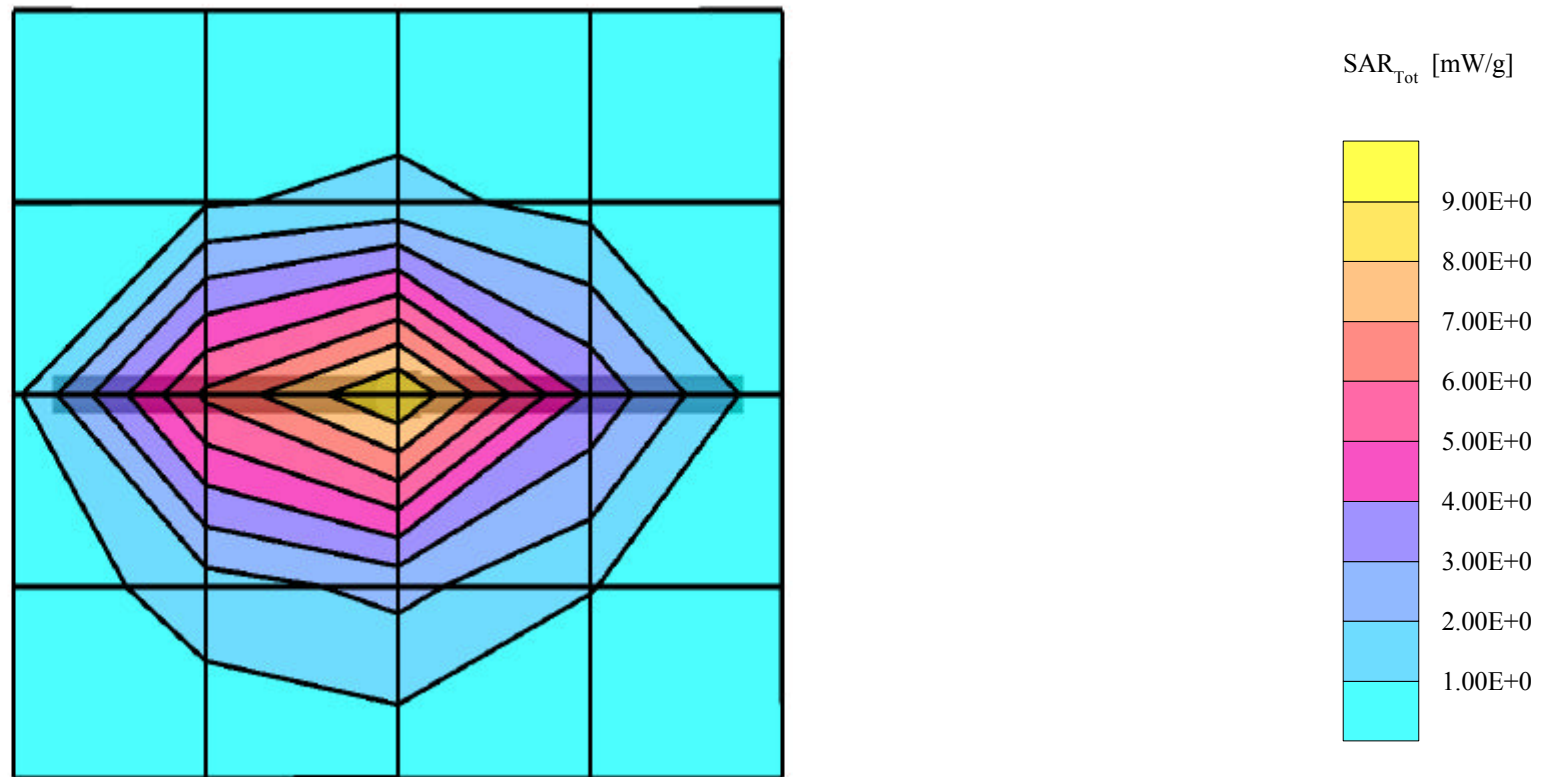
Generic Twin Phantom; Flat Section; Grid Spacing: $D_x = 20.0$, $D_y = 20.0$, $D_z = 10.0$

Probe: ET3DV5 - SN1342/DAE3; ConvF(4.84,4.84,4.84); Brain 1800 MHz: $\sigma = 1.68\text{ mho/m}$ $\epsilon_r = 41.2$ $\rho = 1.00\text{ g/cm}^3$

Cubes (2): Peak: $17.6\text{ mW/g} \pm 0.02\text{ dB}$, SAR (1g): $9.32\text{ mW/g} \pm 0.04\text{ dB}$, SAR (10g): $4.76\text{ mW/g} \pm 0.06\text{ dB}$, (Worst-case extrapolation)

Penetration depth: 7.5 (7.4, 8.0) [mm]

Powerdrift: -0.00 dB



APPENDIX C – PROBE CALIBRATION

Probe ET3DV6

SN:1387

Manufactured:	September 21, 1999
Last calibration:	September 22, 1999

Calibrated for System DASY3

DASY3 - Parameters of Probe: ET3DV6 SN:1387

Sensitivity in Free Space

Diode Compression

NormX	1.55 $\mu\text{V}/(\text{V}/\text{m})^2$	DCP X	98 mV
NormY	1.65 $\mu\text{V}/(\text{V}/\text{m})^2$	DCP Y	98 mV
NormZ	1.64 $\mu\text{V}/(\text{V}/\text{m})^2$	DCP Z	98 mV

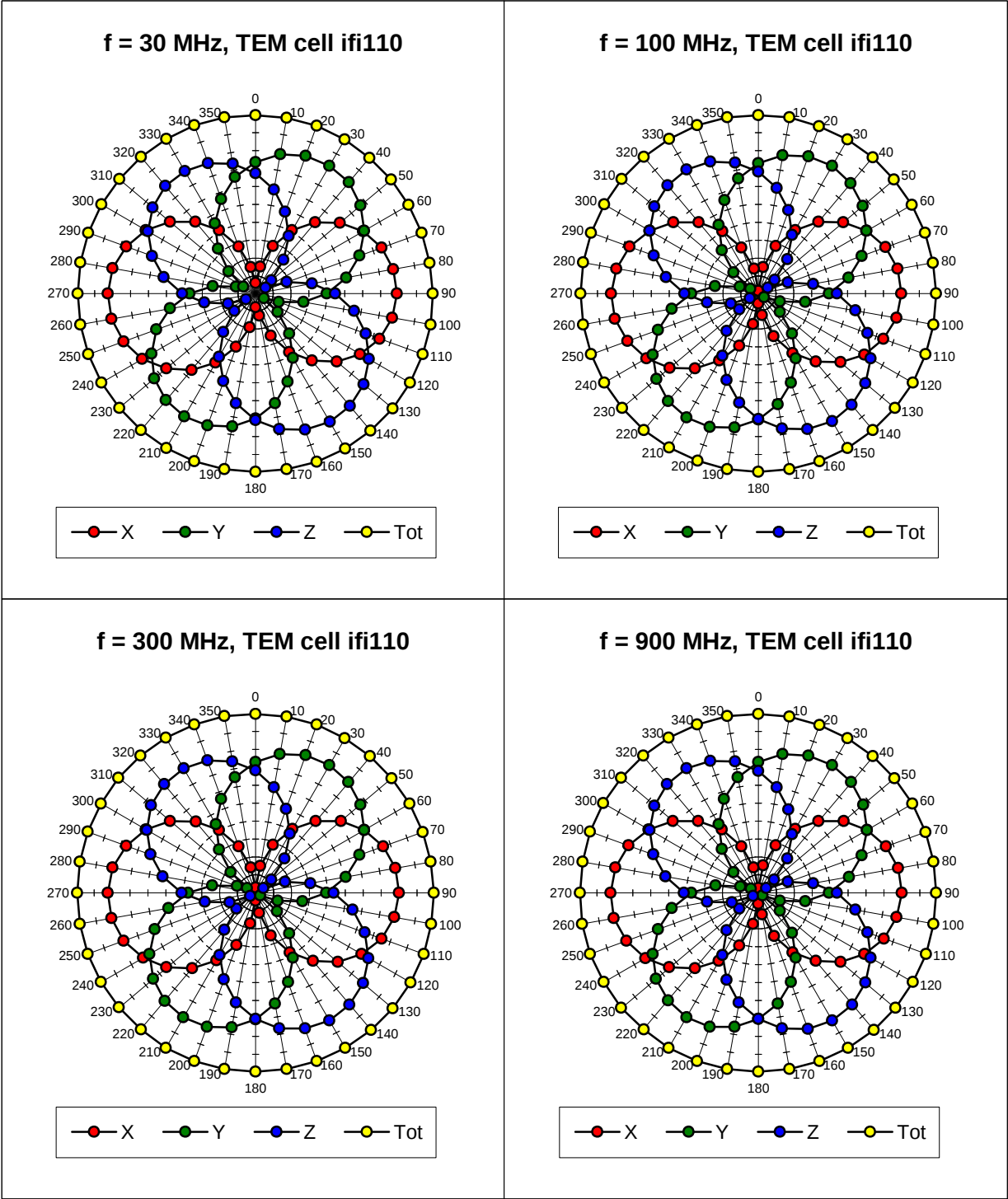
Sensitivity in Tissue Simulating Liquid

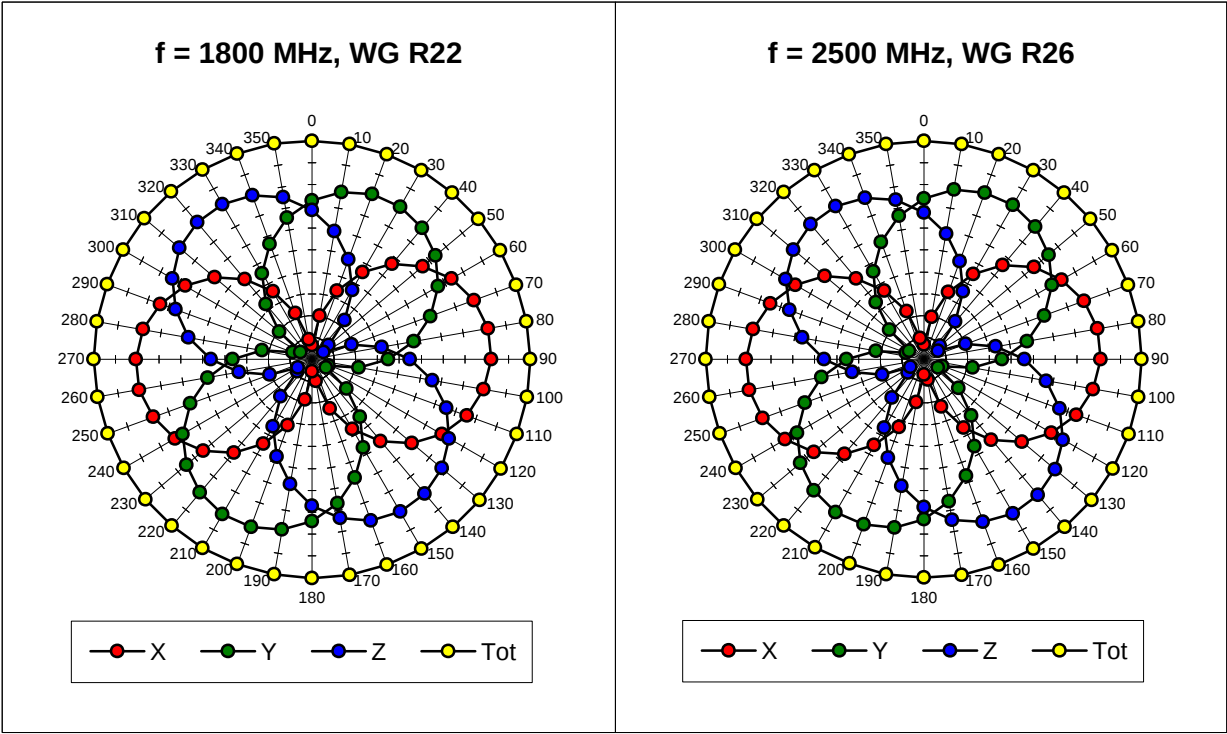
Brain	450 MHz	$\epsilon_r = 48 \pm 5\%$	$s = 0.50 \pm 10\% \text{ mho/m}$
ConvF X	6.76 extrapolated	Boundary effect:	
ConvF Y	6.76 extrapolated	Alpha	0.30
ConvF Z	6.76 extrapolated	Depth	2.52
Brain	900 MHz	$\epsilon_r = 42.5 \pm 5\%$	$s = 0.86 \pm 10\% \text{ mho/m}$
ConvF X	6.34 $\pm 7\%$ (k=2)	Boundary effect:	
ConvF Y	6.34 $\pm 7\%$ (k=2)	Alpha	0.47
ConvF Z	6.34 $\pm 7\%$ (k=2)	Depth	2.25
Brain	1500 MHz	$\epsilon_r = 41 \pm 5\%$	$s = 1.32 \pm 10\% \text{ mho/m}$
ConvF X	5.78 interpolated	Boundary effect:	
ConvF Y	5.78 interpolated	Alpha	0.69
ConvF Z	5.78 interpolated	Depth	1.88
Brain	1800 MHz	$\epsilon_r = 41 \pm 5\%$	$s = 1.69 \pm 10\% \text{ mho/m}$
ConvF X	5.50 $\pm 7\%$ (k=2)	Boundary effect:	
ConvF Y	5.50 $\pm 7\%$ (k=2)	Alpha	0.81
ConvF Z	5.50 $\pm 7\%$ (k=2)	Depth	1.70

Sensor Offset

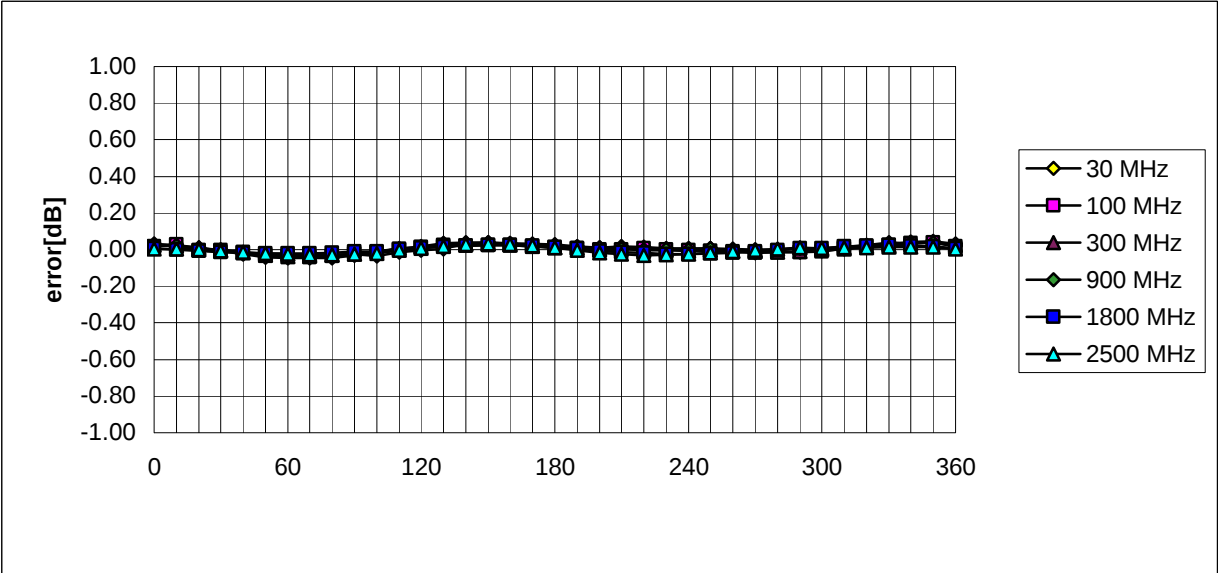
Probe Tip to Sensor Center	2.7	mm
Optical Surface Detection	1.6 $\pm$ 0.2	mm

Receiving Pattern (f), q = 0°

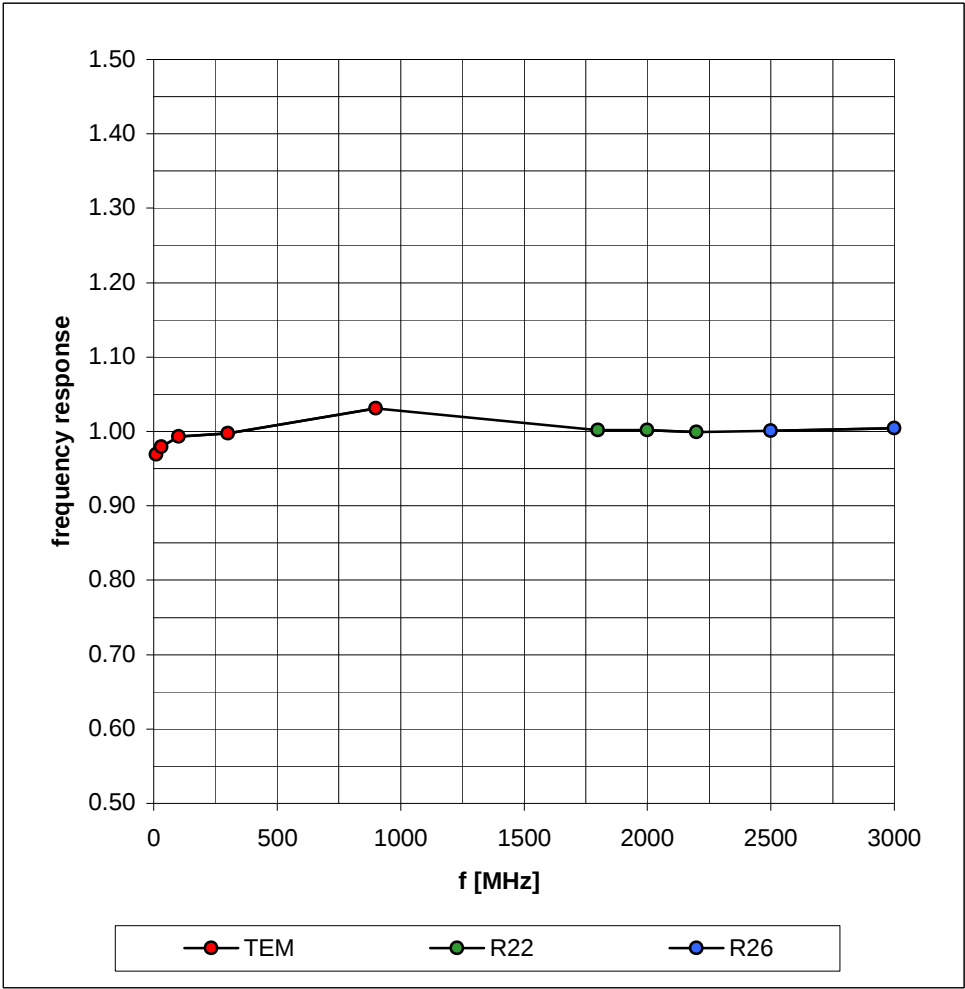




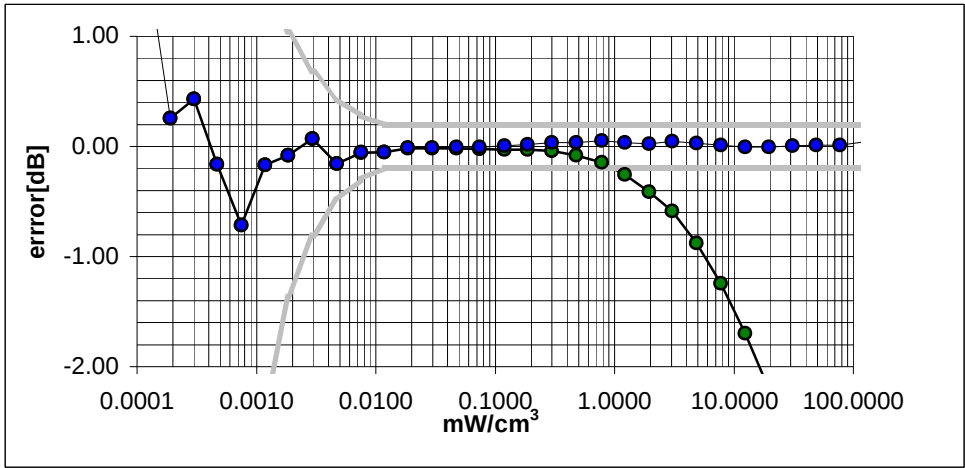
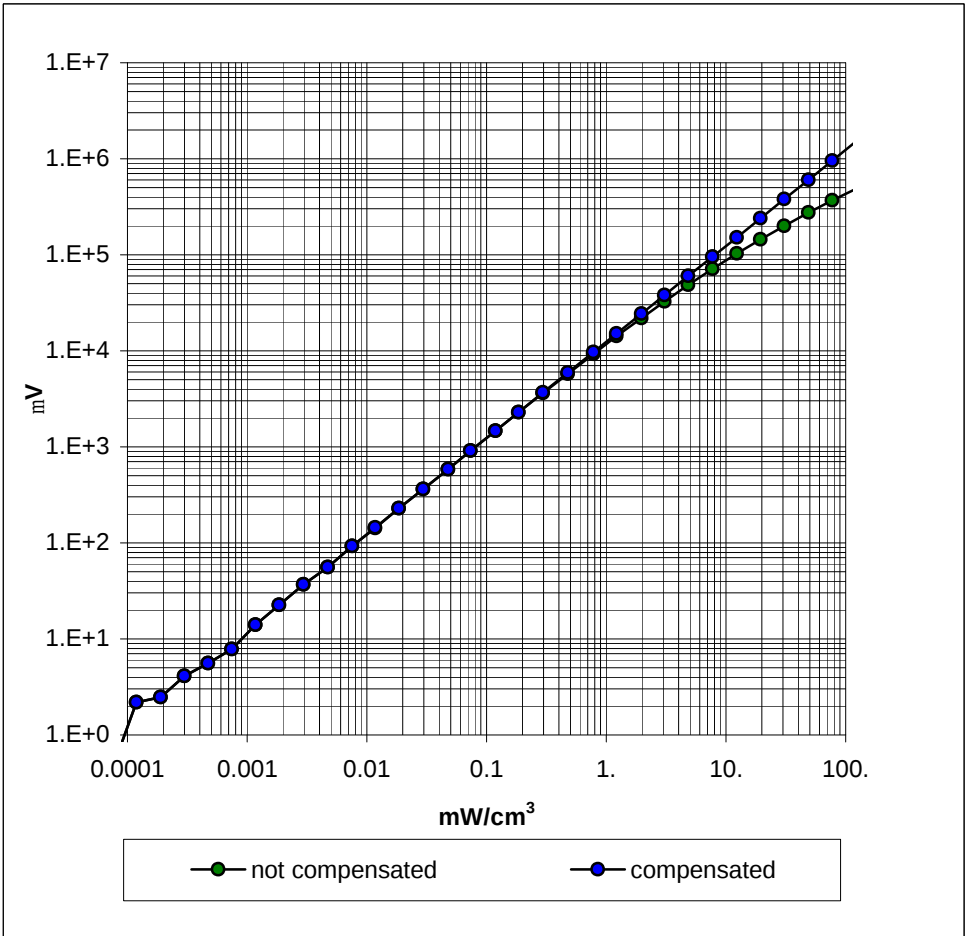
Isotropy Error (f), q = 0°



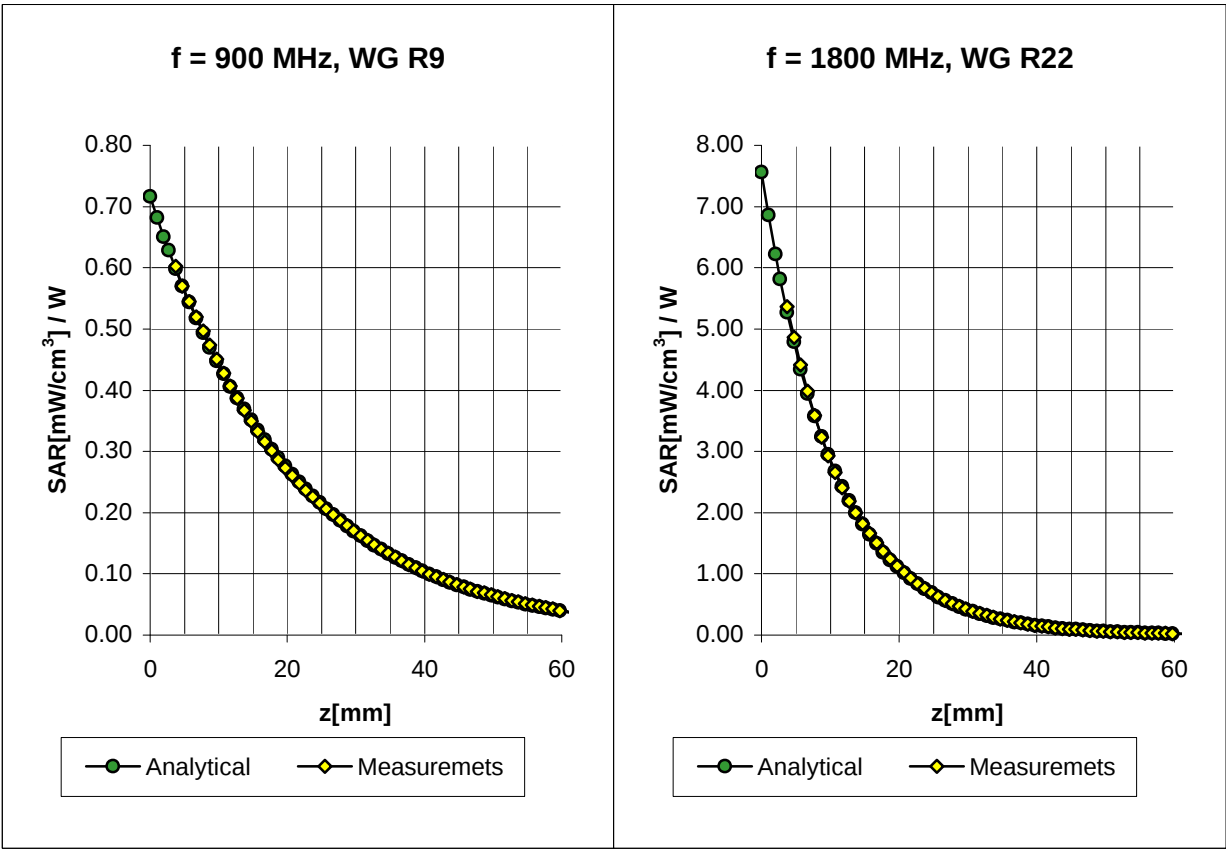
Frequency Response of E-Field
(TEM-Cell:ifi110, Waveguide R22, R26)



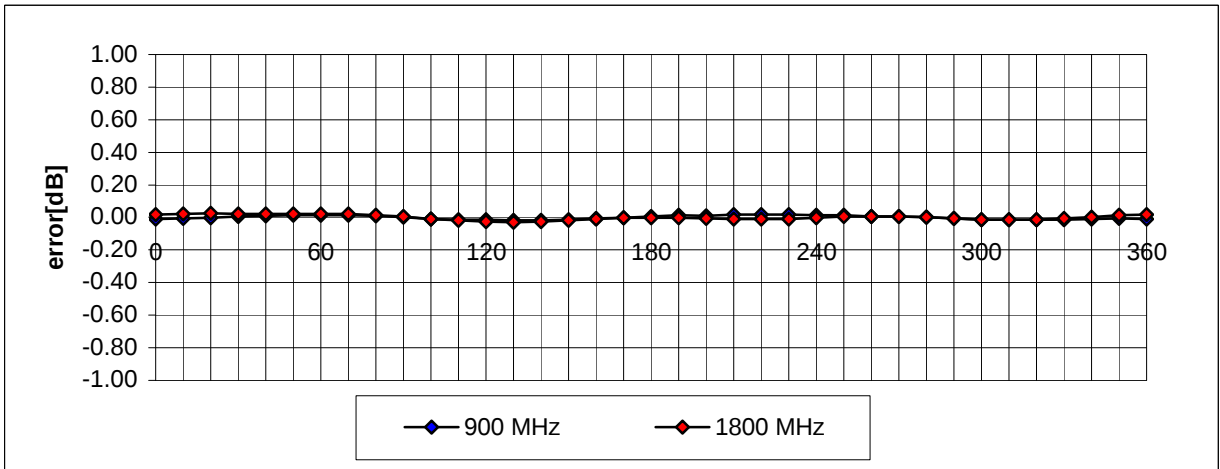
Dynamic Range f(SAR_{brain})
(TEM-Cell:ifi110)



Conversion Factor Assessment

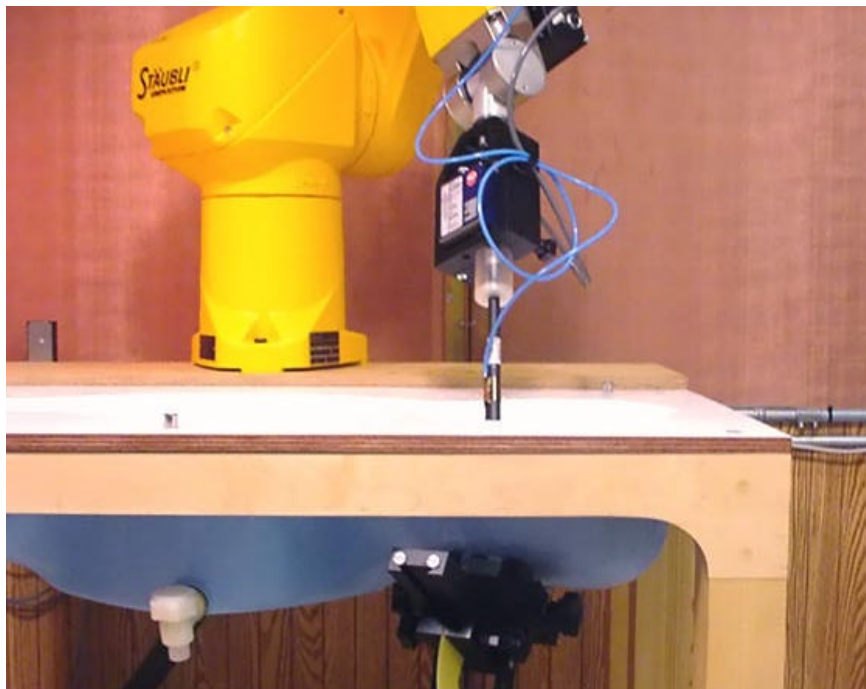
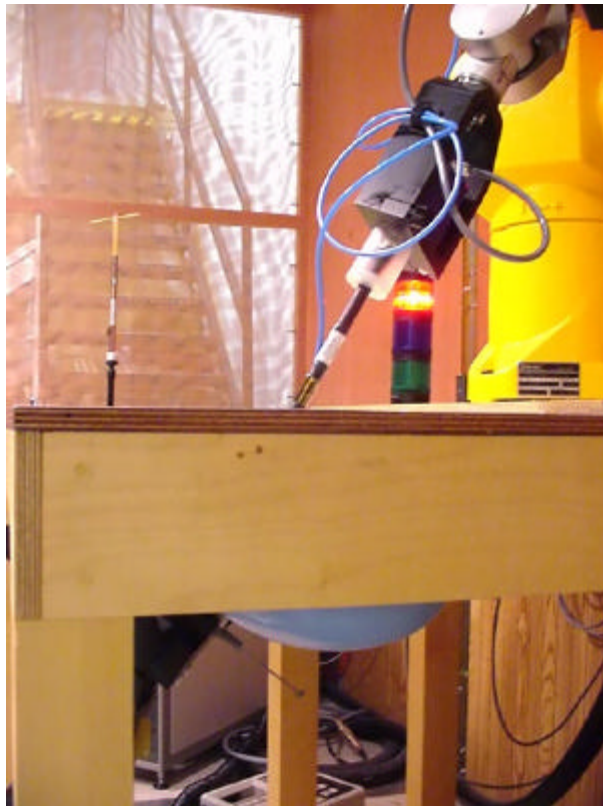


Receiving Pattern (f) (in brain tissue, z = 5 mm)



APPENDIX D – SAR TEST SETUP PHOTOGRAPHS

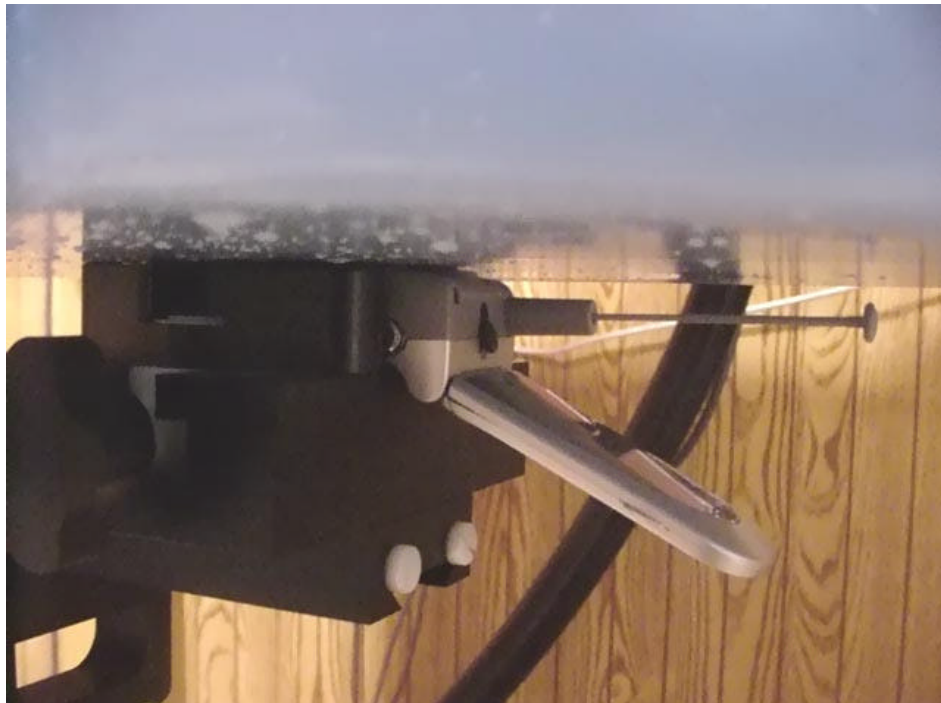
HEAD SAR TEST SETUP PHOTOS



HEAD SAR TEST SETUP PHOTOS



HAND SAR TEST SETUP PHOTOS



BODY SAR TEST SETUP PHOTOS



APPENDIX E – BODY HOLSTER PHOTOGRAPHS

BELT-HOLSTER PHOTOS



BELT-HOLSTER PHOTOS



BELT-HOLSTER PHOTOS

