

CELLTECH RESEARCH INC.  
1955 Moss Court, Kelowna,  
B.C. CANADA V1Y 9L3

Test Report S/N: 100300-26K66  
Date(s) of Tests: October 20, 2000

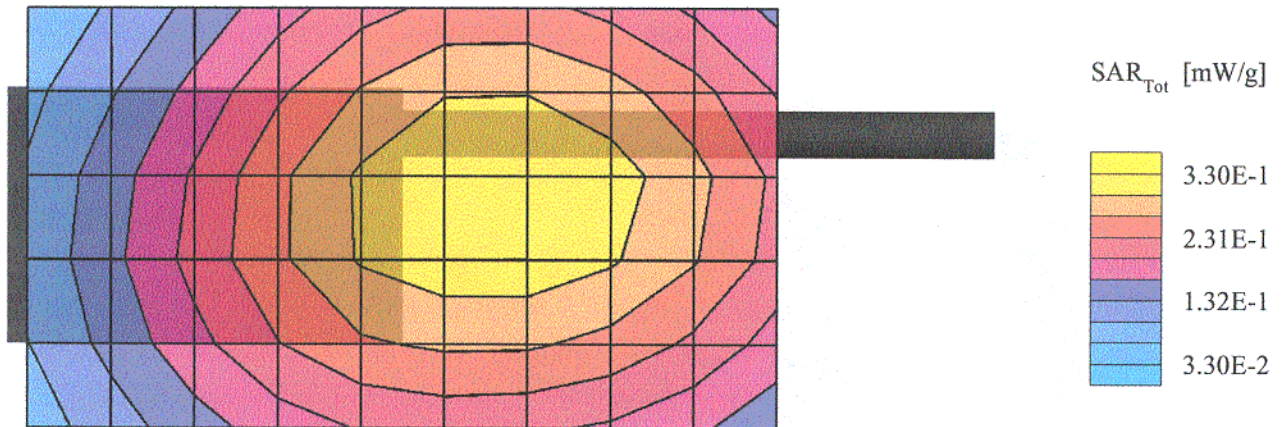
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***APPENDIX "A" - SAR MEASUREMENT DATA***

## YAESU MUSEN CO., LTD.

Generic Twin Phantom; Flat Section; Position: (90°,90°);  
Probe: ET3DV6 - SN1387; ConvF(7.04,7.04,7.04); Crest factor: 1.0;  
150MHz Brain :  $\sigma = 0.48$  mho/m  $\epsilon_r = 59.9$   $\rho = 1.00$  g/cm<sup>3</sup>  
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
Cube 4x4x7  
SAR (1g): 0.324 mW/g, SAR (10g): 0.262 mW/g

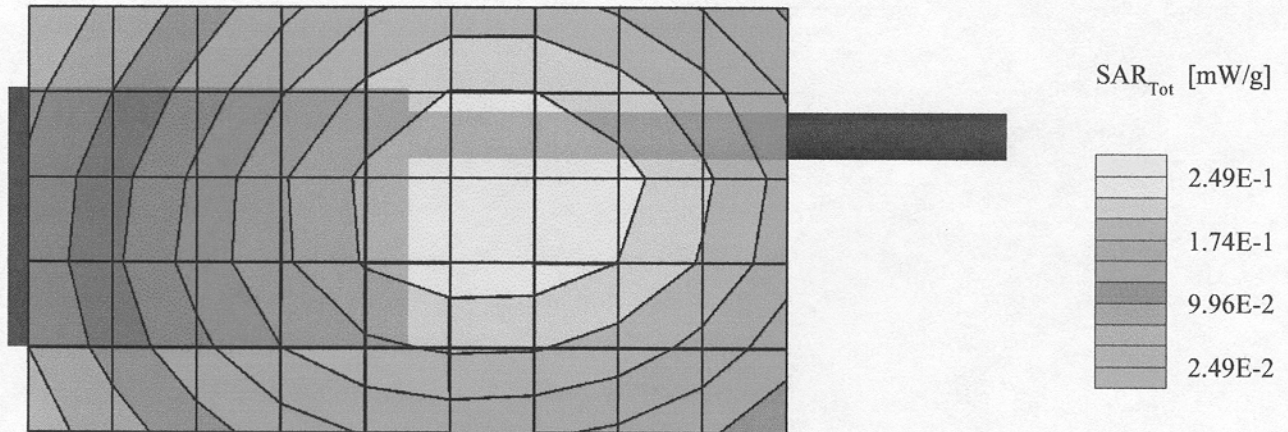
**Separation Distance 4.0cm**  
**Marine Radio Transceiver Model: HX460S**  
**Face-Held SAR**  
Low Channel [156.025MHz]  
Conducted Power 37.0dBm  
Test Date: Oct 20, 2000



## YAESU MUSEN CO., LTD.

Generic Twin Phantom; Flat Section; Position: (90°,90°);  
Probe: ET3DV6 - SN1387; ConvF(7.04,7.04,7.04); Crest factor: 1.0;  
150MHz Brain :  $\sigma = 0.48$  mho/m  $\epsilon_r = 59.9$   $\rho = 1.00$  g/cm<sup>3</sup>  
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
Cube 4x4x7  
SAR (1g): 0.243 mW/g, SAR (10g): 0.197 mW/g

**Separation Distance 4.0cm**  
**Marine Radio Transceiver Model: HX460S**  
**Face-Held SAR**  
High Channel [157.425MHz]  
Conducted Power 37.0dBm  
Test Date: Oct 20, 2000

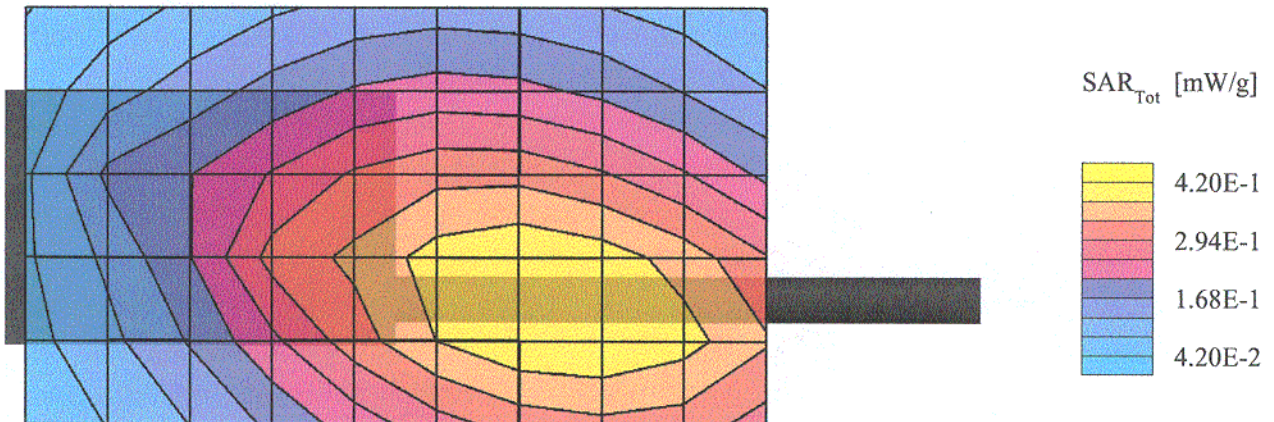


## YAESU MUSEN CO., LTD.

Generic Twin Phantom; Flat Section; Position: (270°,270°);  
Probe: ET3DV6 - SN1387; ConvF(7.04,7.04,7.04); Crest factor: 1.0;  
150MHz Muscle:  $\sigma = 0.75$  mho/m  $\epsilon_r = 65.7$   $\rho = 1.00$  g/cm<sup>3</sup>  
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
Cube 4x4x7  
SAR (1g): 0.415 mW/g, SAR (10g): 0.322 mW/g

**Body-Worn Using Belt Clip**  
**Separation Distance 23.0mm**  
**Marine Radio Transceiver**  
**Model: HX460S**

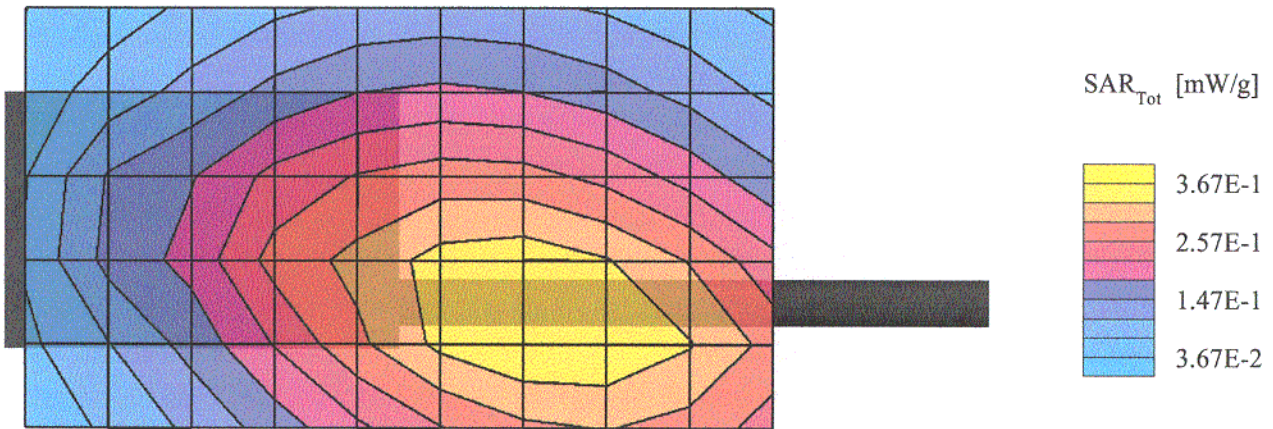
Low Channel [156.025MHz]  
Conducted Power 37.0dBm  
Test Date: Oct 20, 2000



# YAESU MUSEN CO., LTD.

Generic Twin Phantom; Flat Section; Position: (270°,270°);  
Probe: ET3DV6 - SN1387; ConvF(7.04,7.04,7.04); Crest factor: 1.0;  
150MHz Muscle:  $\sigma = 0.75$  mho/m  $\epsilon_r = 65.7$   $\rho = 1.00$  g/cm<sup>3</sup>  
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
Cube 4x4x7  
SAR (1g): 0.361 mW/g, SAR (10g): 0.281 mW/g

**Body-Worn Using Belt Clip**  
**Separation Distance 23.0mm**  
**Marine Radio Transceiver**  
**Model: HX460S**  
High Channel [157.425MHz]  
Conducted Power 37.0dBm  
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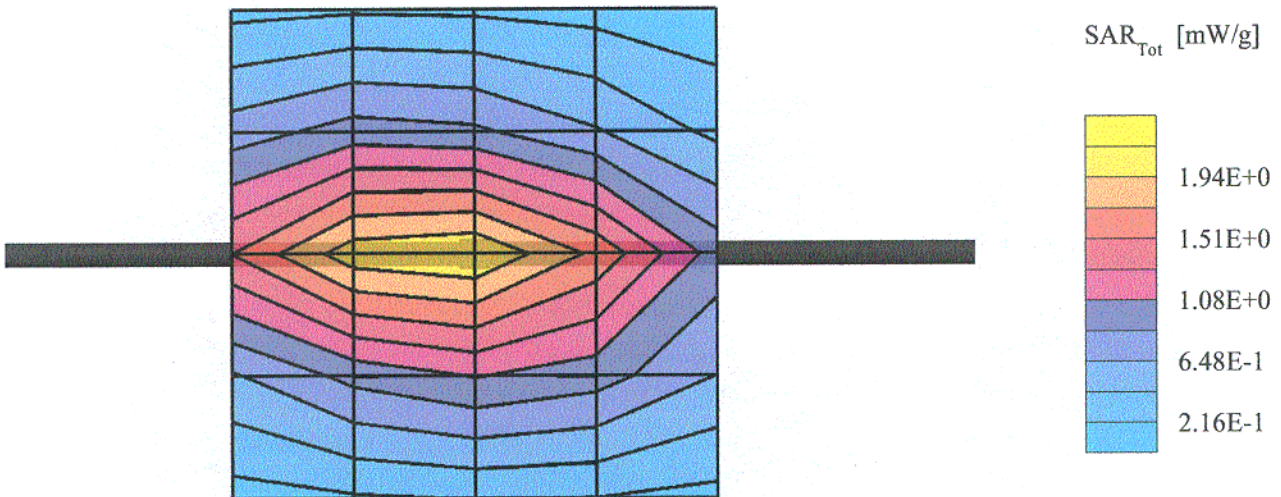
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***APPENDIX "B" – DIPOLE VALIDATION***

## 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/cm<sup>3</sup>  
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
Cube 5x5x7  
SAR (1g): 2.03 mW/g, SAR (10g): 1.34 mW/g

Validation Date: Oct. 20, 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:  $\sigma = 0.80 \text{ mho/m}$   $\epsilon_r = 44.2$   $\rho = 1.00 \text{ g/cm}^3$   
Cubes (2): Peak:  $3.07 \text{ mW/g} \pm 0.05 \text{ dB}$ , SAR (1g):  $2.06 \text{ mW/g} \pm 0.05 \text{ dB}$ , SAR (10g):  $1.38 \text{ mW/g} \pm 0.05 \text{ dB}$ , (Worst-case extrapolation)  
Penetration depth: 13.6 (12.7, 14.8) [mm]  
Powerdrift: -0.00 dB

