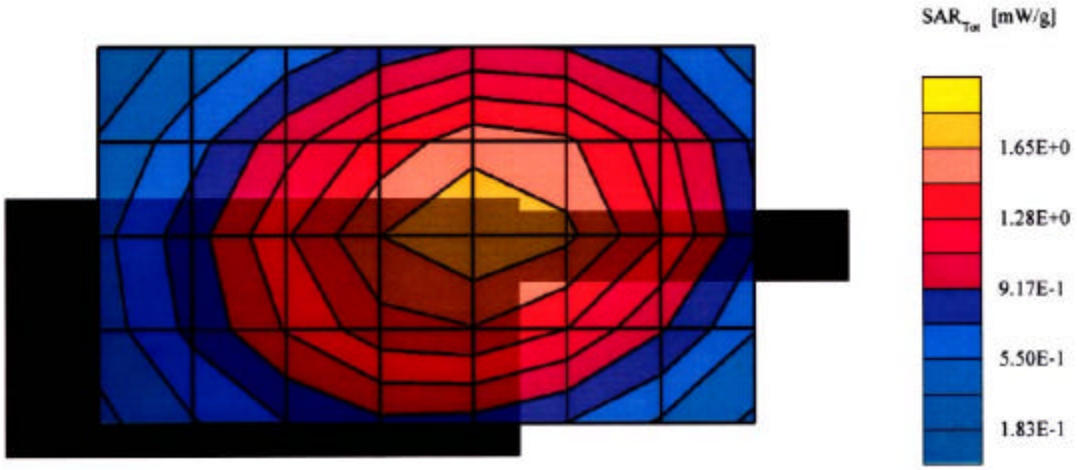
APPENDIX A – SAR TEST PLOTS

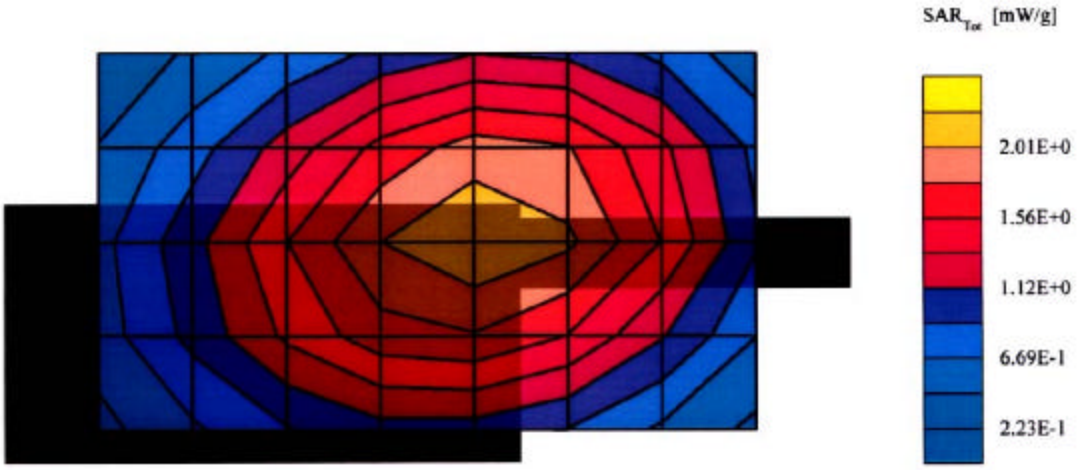
FCC ID: OAJGMRS2200XTM
SAM TP1019 Phantom: Flat Section: Position: (90°,90°): Frequency: 450 MHz
Probe: ET3DV6 - SN1608: ConvF(7.13,7.13,7.13): Crest factor: 1.0: Brain 450 MHz: s = 0.83 mho/m e, = 45.1 r = 1.00 g/cm³
Cube 5x5x7: SAR (1g): 1.71 mW/g, SAR (10g): 1.25 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Peak: 2.45 mW/g: Powerdrift: -0.38 dB

Comment:
J-Communications Co., Ltd.
Model: GMRS-2200XTM (22CH.)
Face-Held
Channel: 1 (462.5625 MHz)



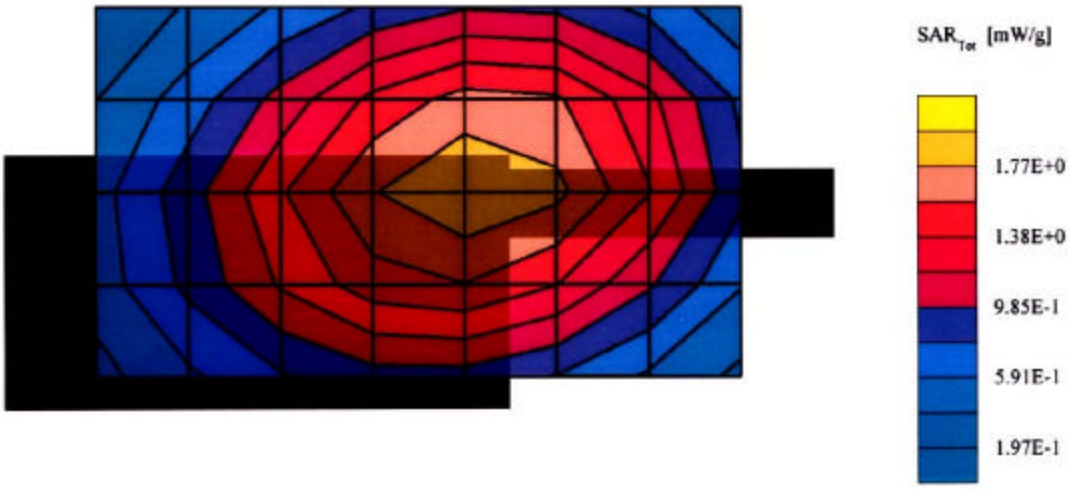
FCC ID: OAJGMRS2200XTM
SAM TP1019 Phantom: Flat Section: Position: (90°,90°): Frequency: 450 MHz
Probe: ET3DV6 - SN1608: ConvF(7.13,7.13,7.13): Crest factor: 1.0: Brain 450 MHz: s = 0.83 mho/m e, = 45.1 r = 1.00 g/cm³
Cube 5x5x7: SAR (1g): 2.04 mW/g, SAR (10g): 1.49 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Peak: 2.90 mW/g: Powerdrift: -0.51 dB

Comment:
J-Communications Co., Ltd.
Model: GMRS-2200XTM (22CH.)
Face-Held
Channel: 2 (462.5875 MHz)



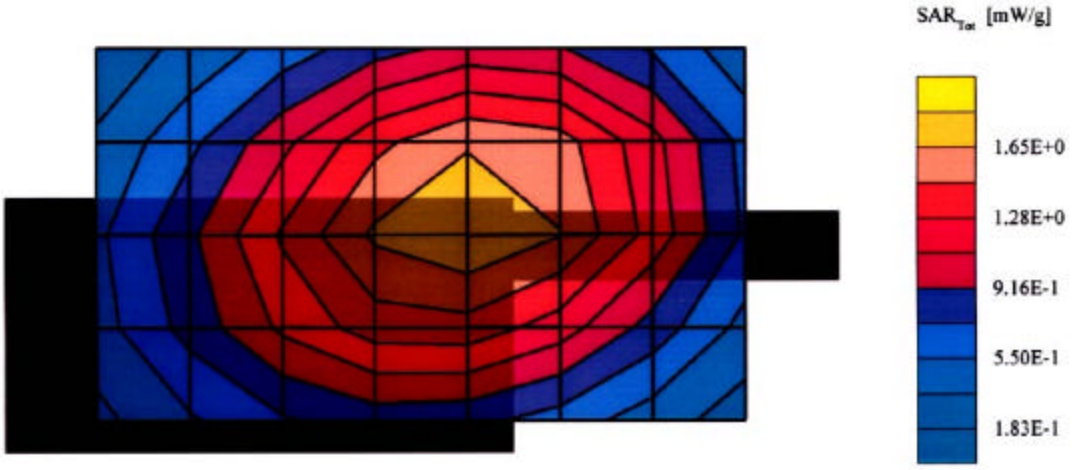
FCC ID: OAJGMRS2200XTM
SAM TP1019 Phantom: Flat Section: Position: (90°,90°): Frequency: 450 MHz
Probe: ET3DV6 - SN1608: ConvF(7.13,7.13,7.13): Crest factor: 1.0: Brain 450 MHz: s = 0.83 mho/m e, = 45.1 r = 1.00 g/cm³
Cube 5x5x7: SAR (1g): 1.83 mW/g, SAR (10g): 1.33 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Peak: 2.60 mW/g: Powerdrift: -0.34 dB

Comment:
J-Communications Co., Ltd.
Model: GMRS-2200XTM (22CH.)
Face-Held
Channel: 7 (462.7125 MHz)



FCC ID: OAJGMRS2200XTM
SAM TP1019 Phantom: Flat Section: Position: (90°,90°): Frequency: 450 MHz
Probe: ET3DV6 - SN1608: ConvF(7.13,7.13,7.13): Crest factor: 1.0: Brain 450 MHz: s = 0.83 mho/m e, = 45.1 r = 1.00 g/cm³
Cube 5x5x7: SAR (1g): 1.70 mW/g, SAR (10g): 1.24 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Peak: 2.43 mW/g: Powerdrift: -0.55 dB

Comment:
J-Communications Co., Ltd.
Model: GMRS-2200XTM (22CH.)
Face-Held
Channel: 14 (467.7125 MHz)

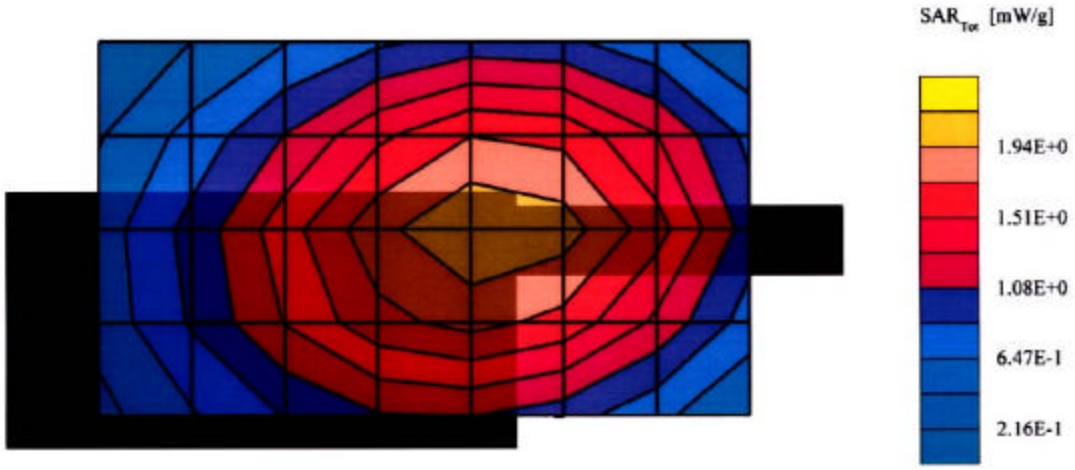


FCC ID: OAJGMRS2200XTM
SAM TP1019 Phantom: Flat Section: Position: (90°,90°): Frequency: 450 MHz
Probe: ET3DV6 - SN1608: ConvF(7.13,7.13,7.13): Crest factor: 1.0: Brain 450 MHz: s = 0.83 mho/m e, = 45.1 r = 1.00 g/cm³
Cube 5x5x7: SAR (1g): 1.76 mW/g, SAR (10g): 1.29 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Peak: 2.49 mW/g: Powerdrift: -0.54 dB

Comment:
J-Communications Co., Ltd.
Model: GMRS-2200XTM (22CH.)
Face-Held
Channel: 15 (462.5500 MHz)

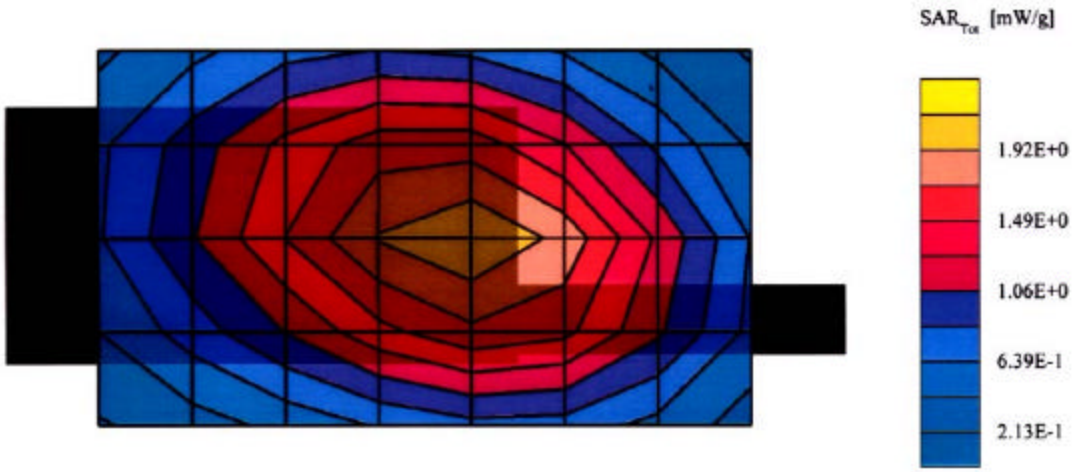
FCC ID: OAJGMRS2200XTM
SAM TP1019 Phantom: Flat Section: Position: (90°,90°): Frequency: 450 MHz
Probe: ET3DV6 - SN1608: ConvF(7.13,7.13,7.13): Crest factor: 1.0: Brain 450 MHz: s = 0.83 mho/m e, = 45.1 r = 1.00 g/cm³
Cube 5x5x7: SAR (1g): 1.96 mW/g, SAR (10g): 1.43 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Peak: 2.79 mW/g: Powerdrift: -0.52 dB

Comment:
J-Communications Co., Ltd.
Model: GMRS-2200XTM (22CH.)
Face-Held
Channel: 22 (462.7250 MHz)



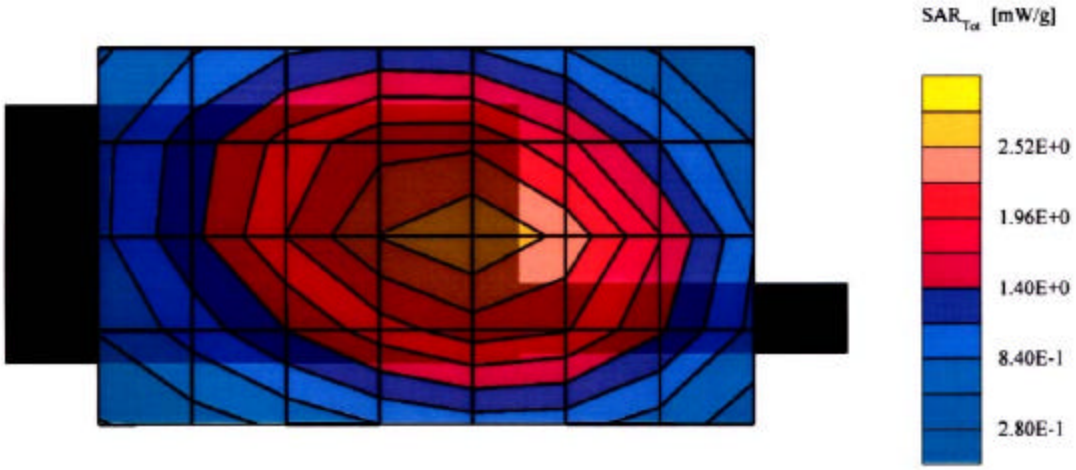
FCC ID: OAJGMRS2200XTM
SAM TP1019 Phantom: Flat Section: Position: (90°,90°): Frequency: 450 MHz
Probe: ET3DV6 - SN1608: ConvF(7.70,7.70,7.70): Crest factor: 1.0: Muscle 450 MHz: s = 0.95 mho/m e, = 58.8 r
= 1.00 g/cm³
Cube 5x5x7: SAR (1g): 1.92 mW/g, SAR (10g): 1.36 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Peak: 2.80 mW/g: Powerdrift: -0.49 dB

Comment:
J-Communications Co., Ltd.
Model: GMRS-2200XTM (22CH.)
Body-Worn
Channel: 1 (462.5625 MHz)



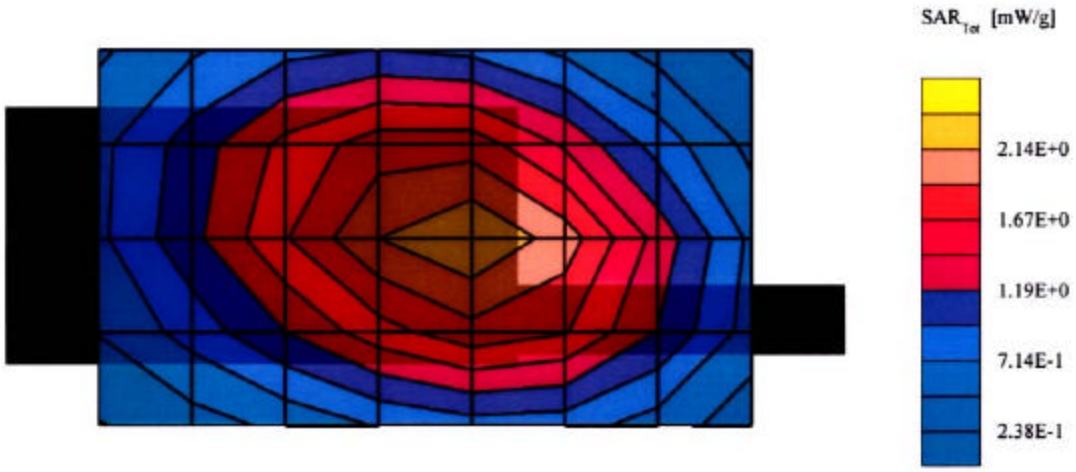
FCC ID: OAJGMRS2200XTM
SAM TP1019 Phantom: Flat Section: Position: (90°,90°): Frequency: 450 MHz
Probe: ET3DV6 - SN1608: ConvF(7.70,7.70,7.70): Crest factor: 1.0: Muscle 450 MHz: s = 0.95 mho/m e, = 58.8 r = 1.00 g/cm³
Cube 5x5x7: SAR (1g): 2.53 mW/g, SAR (10g): 1.79 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Peak: 3.70 mW/g: Powerdrift: -0.33 dB

Comment:
J-Communications Co., Ltd.
Model: GMRS-2200XTM (22CH.)
Body-Worn
Channel: 2 (462.5875 MHz)



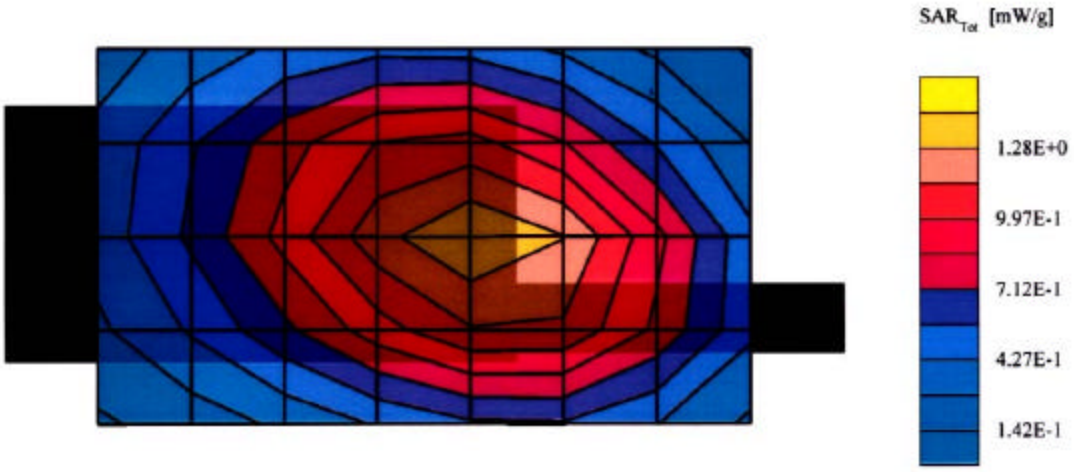
FCC ID: OAJGMRS2200XTM
SAM TP1019 Phantom: Flat Section; Position: (90°,90°); Frequency: 450 MHz
Probe: ET3DV6 - SN1608; ConvF(7.70,7.70,7.70); Crest factor: 1.0; Muscle 450 MHz: s = 0.95 mho/m e, = 58.8 r = 1.00 g/cm³
Cube 5x5x7: SAR (1g): 2.08 mW/g, SAR (10g): 1.47 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Peak: 3.04 mW/g; Powerdrift: -0.70 dB

Comment:
J-Communications Co., Ltd.
Model: GMRS-2200XTM (22CH.)
Body-Worn
Channel: 7 (462.7125 MHz)



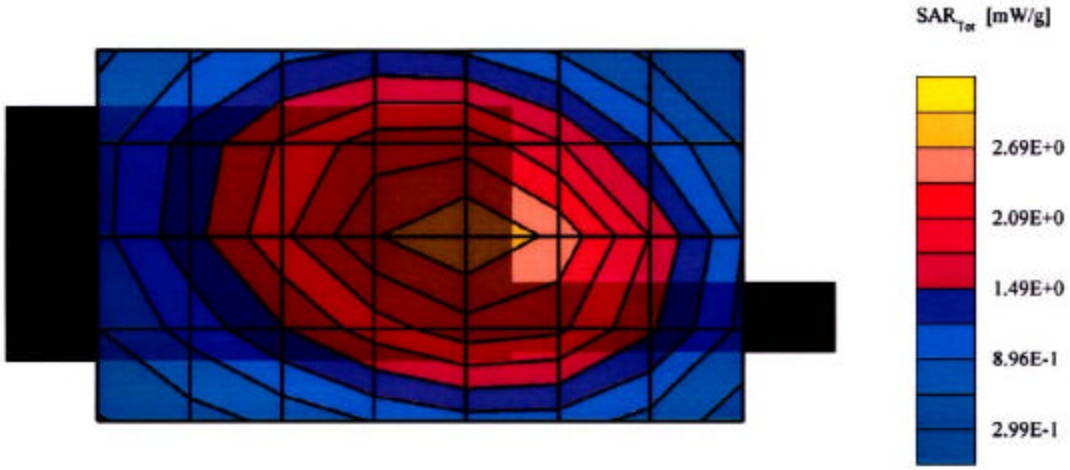
FCC ID: OAJGMRS2200XTM
SAM TP1019 Phantom: Flat Section: Position: (90°,90°): Frequency: 450 MHz
Probe: ET3DV6 - SN1608: ConvF(7.70,7.70,7.70): Crest factor: 1.0: Muscle 450 MHz: s = 0.95 mho/m e, = 58.8 r
= 1.00 g/cm³
Cube 5x5x7: SAR (1g): 1.31 mW/g, SAR (10g): 0.927 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Peak: 1.93 mW/g: Powerdrift: -0.22 dB

Comment:
J-Communications Co., Ltd.
Model: GMRS-2200XTM (22CH.)
Body-Worn
Channel: 14 (467.7125 MHz)



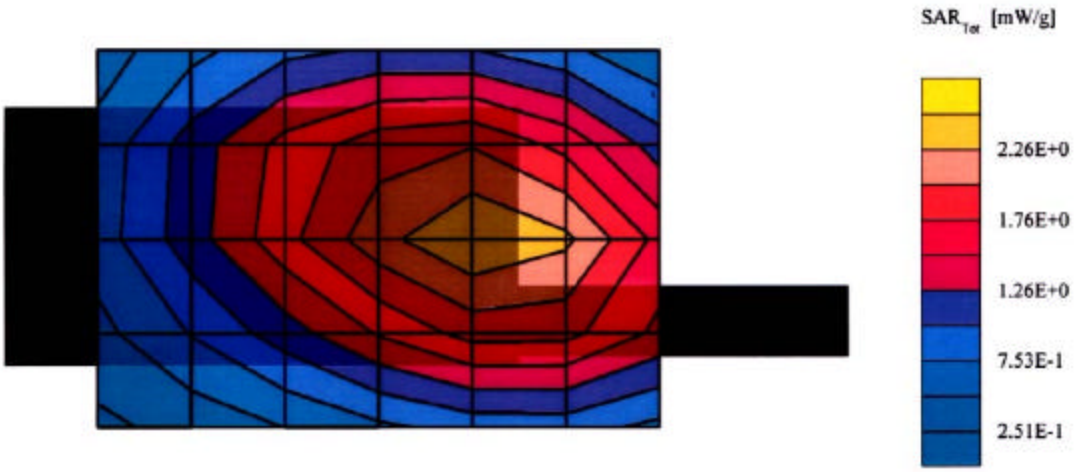
FCC ID: OAJGMRS2200XTM
SAM TP1019 Phantom: Flat Section: Position: (90°,90°): Frequency: 450 MHz
Probe: ET3DV6 - SN1608: ConvF(7.70,7.70,7.70): Crest factor: 1.0: Muscle 450 MHz: s = 0.95 mho/m e_r = 58.8 r = 1.00 g/cm³
Cube 5x5x7: SAR (1g): 2.69 mW/g, SAR (10g): 1.90 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Peak: 3.95 mW/g: Powerdrift: -0.39 dB

Comment:
J-Communications Co., Ltd.
Model: GMRS-2200XTM (22CH.)
Body-Worn
Channel: 15 (462.5500 MHz)

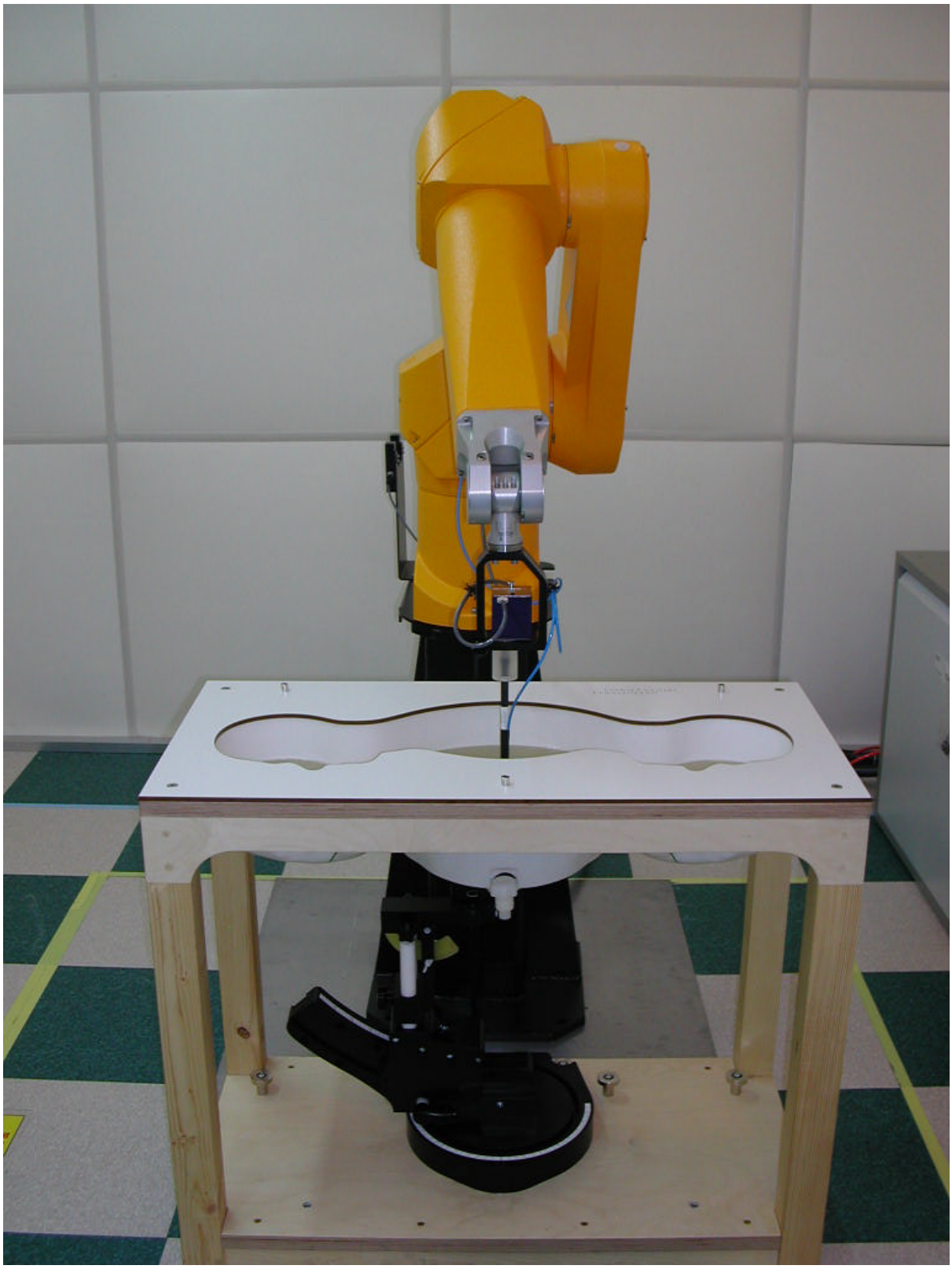


FCC ID: OAJGMRS2200XTM
SAM TP1019 Phantom: Flat Section: Position: (90°,90°): Frequency: 450 MHz
Probe: ET3DV6 - SN1608: ConvF(7.70,7.70,7.70): Crest factor: 1.0: Muscle 450 MHz: s = 0.95 mho/m e, = 58.8 r = 1.00 g/cm³
Cube 5x5x7: SAR (1g): 2.32 mW/g, SAR (10g): 1.64 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Peak: 3.42 mW/g: Powerdrift: -0.26 dB

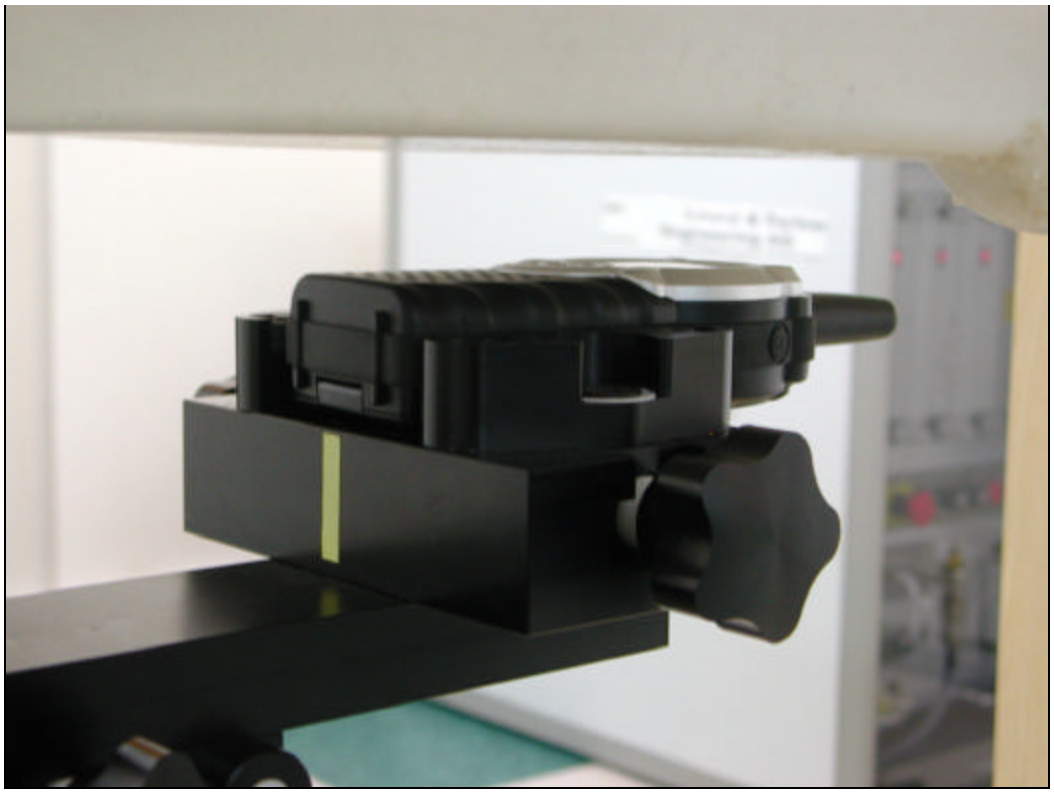
Comment:
J-Communications Co., Ltd.
Model: GMRS-2200XTM (22CH.)
Body-Worn
Channel: 22 (462.7250 MHz)

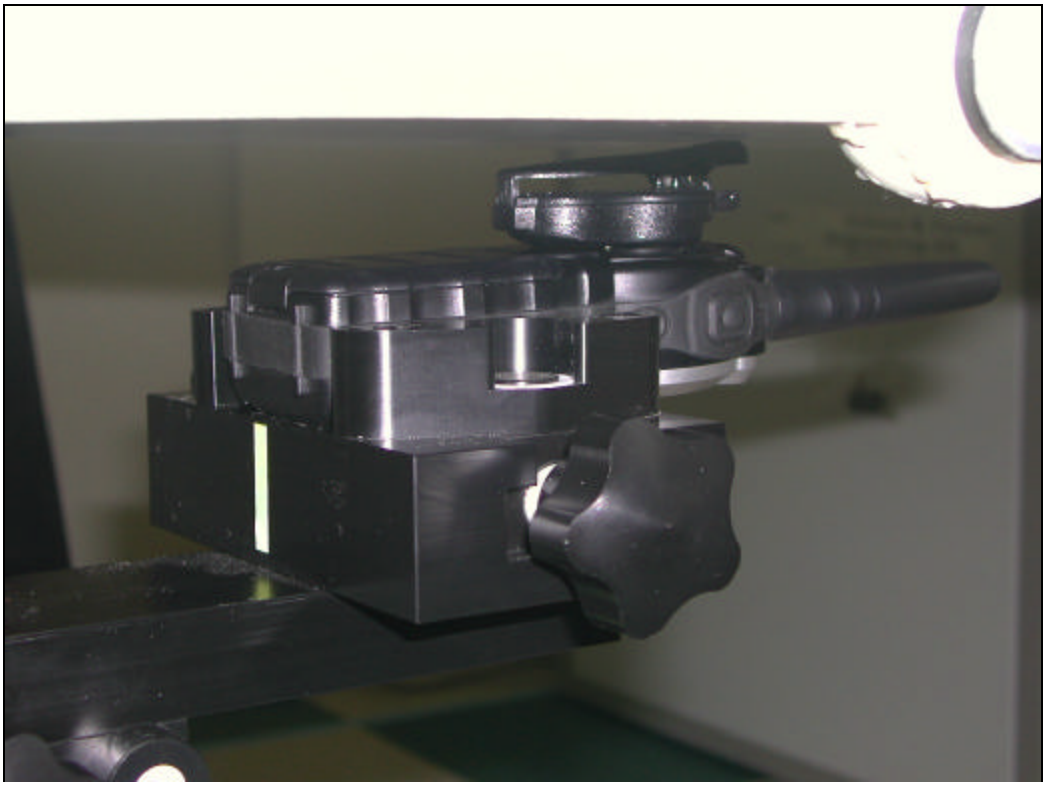


APPENDIX B – EUT TEST SETUP PHOTOGRAPHS



STÄUBLI





APPENDIX C – EUT PROFILE PHOTOGRAPHS

AUDIOVOX
FM RADIO
20°C (68°F)
STAINLESS STEEL

10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
160
170
20°C (68°F)
STAINLESS STEEL

APPENDIX D – DIPOLE VALIDATION PLOTS