

APPENDIX 2 : SAR Measurement data of EA5800 (IEEE 802.11b / g : 2.4GHz)

IRF303U / Body / Left Front (EA5800 Antenna 1) / 11.b / 2437MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.99$ mho/m, $\epsilon_r = 50.5$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.0907 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 0.424 W/kg

SAR(1 g) = 0.0927 mW/g; SAR(10 g) = 0.0337 mW/g

Maximum value of SAR = 0.0984 mW/g

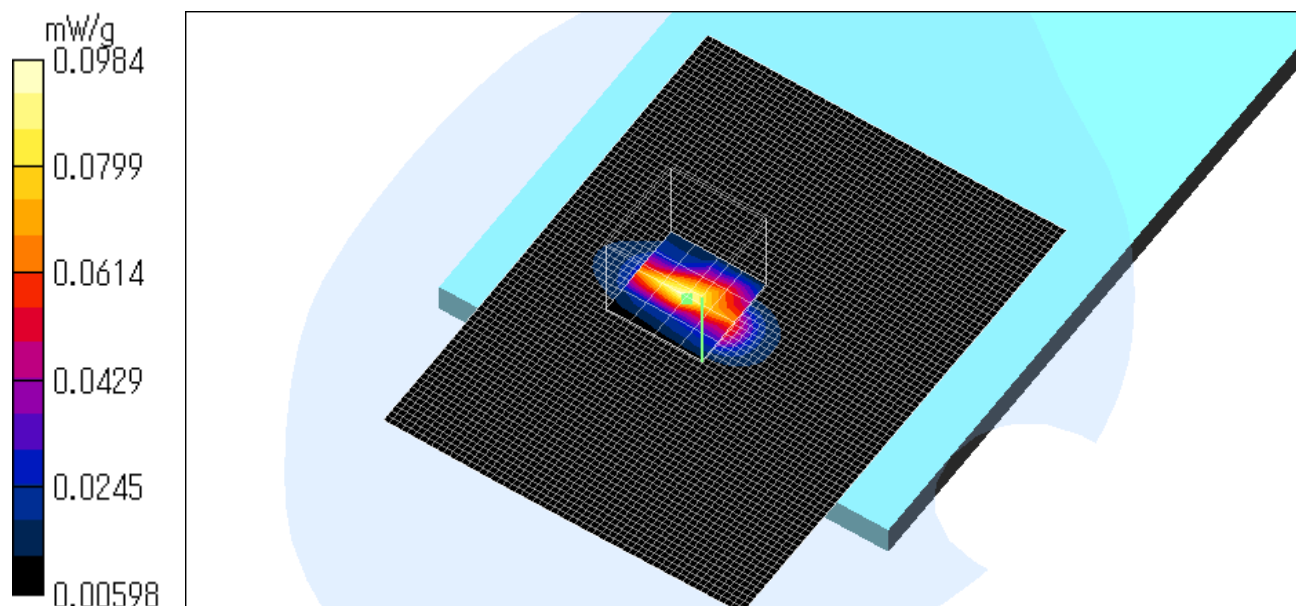
Reference Value = 6.16 V/m

Power Drift = -0.3 dB

Test Date = 06/30/04

Ambient Temperature = 24.8 degree.c

Liquid Temperature = Before 23.6 degree.C , After 23.6 degree.C



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IRF303U / Body / Left Back (EA5800 Antenna 1) / 11.b / 2437MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.98$ mho/m, $\epsilon_r = 50.1$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.0264 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 0.084 W/kg

SAR(1 g) = 0.0268 mW/g; SAR(10 g) = 0.0129 mW/g

Maximum value of SAR = 0.025 mW/g

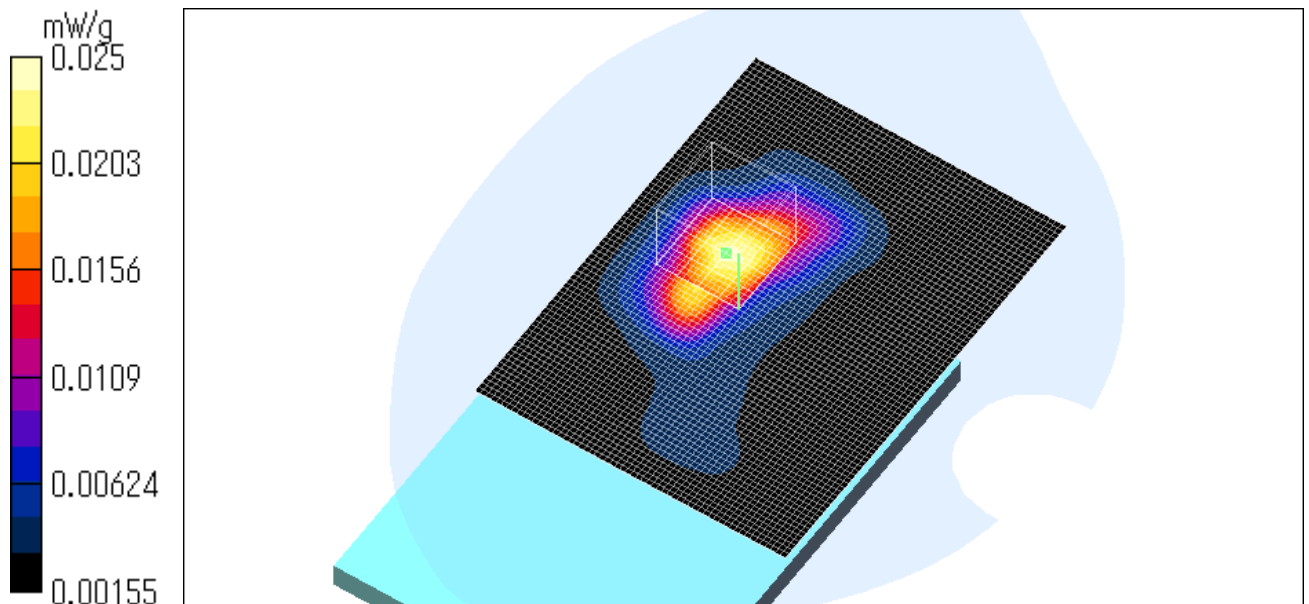
Reference Value = 1.83 V/m

Power Drift = -0.1 dB

Test Date = 07/01/04

Ambient Temperature = 24.6 degree.c

Liquid Temperature = Before 23.5 degree.C , After 23.5 degree.C



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IRF303U / Body / Left Side (EA5800 Antenna 1) / 11.b / 2437MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.98$ mho/m, $\epsilon_r = 50.1$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.131 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 0.275 W/kg

SAR(1 g) = 0.102 mW/g; SAR(10 g) = 0.0457 mW/g

Maximum value of SAR = 0.102 mW/g

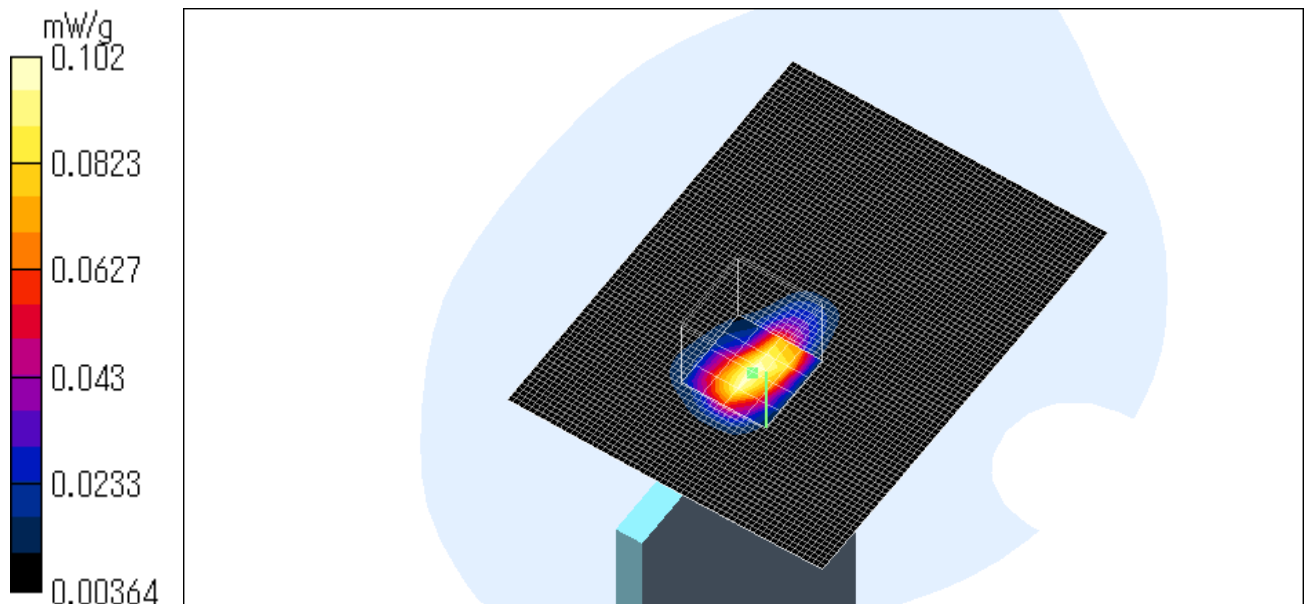
Reference Value = 3.9 V/m

Power Drift = 0.02 dB

Test Date = 07/01/04

Ambient Temperature = 24.6 degree.c

Liquid Temperature = Before 23.5 degree.C , After 23.5 degree.C



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IRF303U / Body / Right Front (EA5800 Antenna 2) / 11.b / 2437MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.99$ mho/m, $\epsilon_r = 50.5$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.586 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 1.5 W/kg

SAR(1 g) = 0.67 mW/g; SAR(10 g) = 0.295 mW/g

Maximum value of SAR = 0.73 mW/g

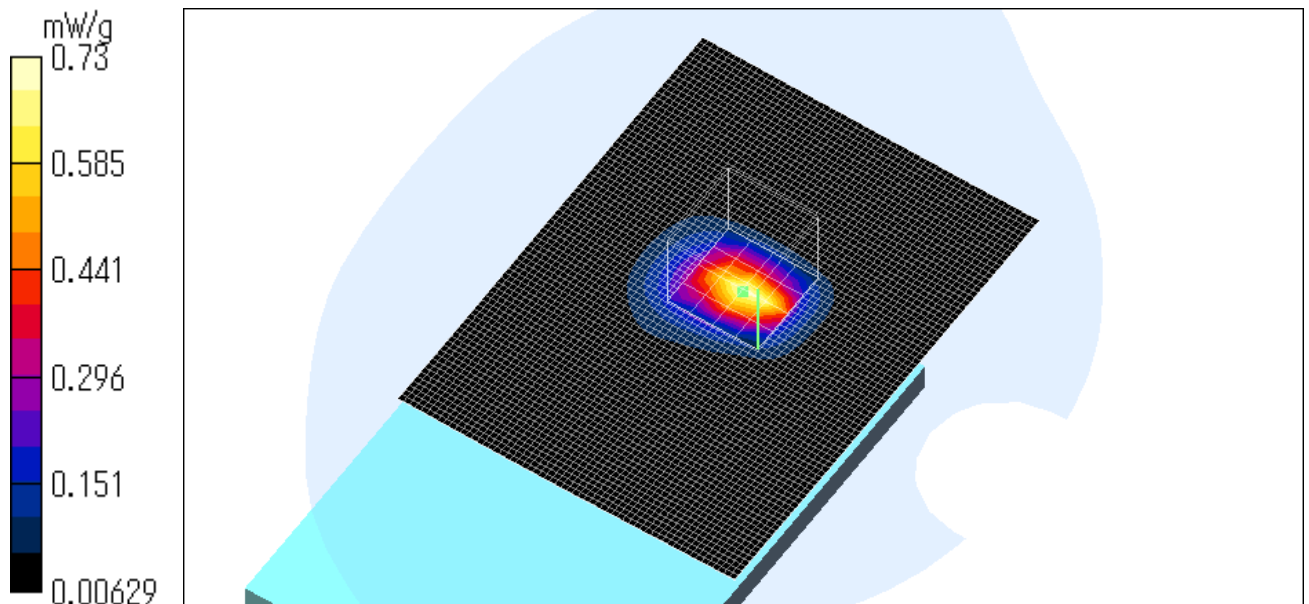
Reference Value = 15.4 V/m

Power Drift = -0.4dB

Test Date = 06/30/04

Ambient Temperature = 24.8 degree.c

Liquid Temperature = Before 23.6 degree.C , After 23.6 degree.C



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IRF303U / Body / Right Back (EA5800 Antenna 2) / 11.b / 2437MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.98$ mho/m, $\epsilon_r = 50.1$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.19 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 0.303 W/kg

SAR(1 g) = 0.157 mW/g; SAR(10 g) = 0.0839 mW/g

Maximum value of SAR = 0.167 mW/g

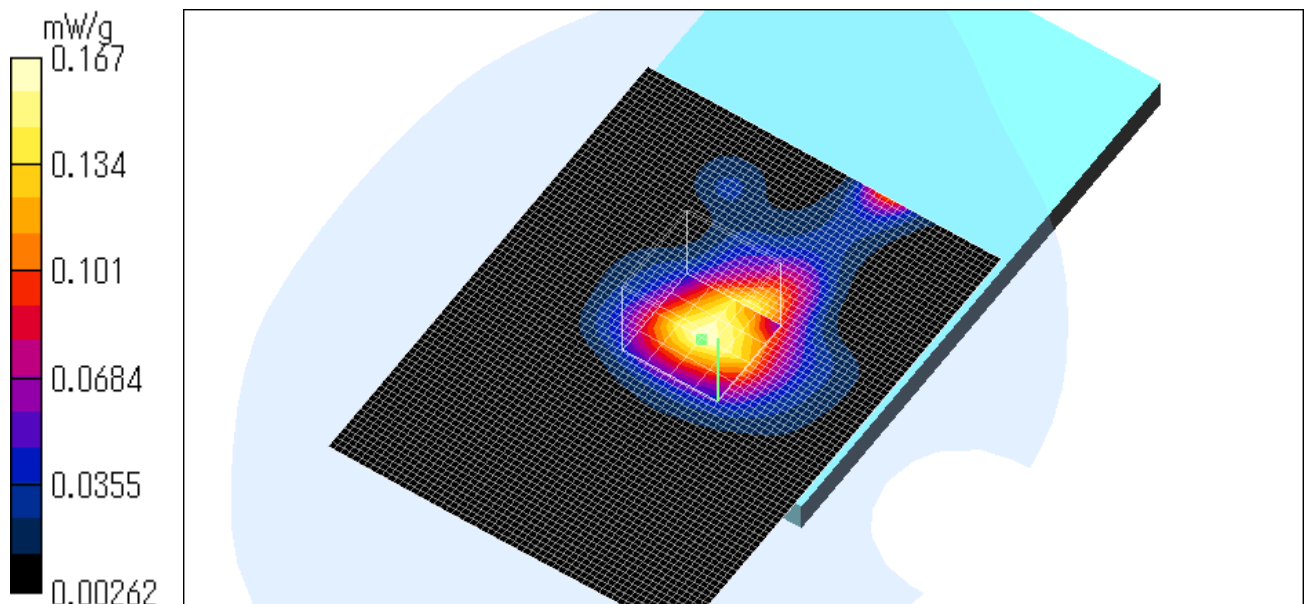
Reference Value = 8.86 V/m

Power Drift = -0.2 dB

Test Date = 07/01/04

Ambient Temperature = 24.6 degree.c

Liquid Temperature = Before 23.5 degree.C , After 23.5 degree.C



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IRF303U / Body / Right Side (EA5800 Antenna 2) / 11.b / 2437MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.98$ mho/m, $\epsilon_r = 50.1$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.84 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 1.54 W/kg

SAR(1 g) = 0.719 mW/g; SAR(10 g) = 0.332 mW/g

Maximum value of SAR = 0.785 mW/g

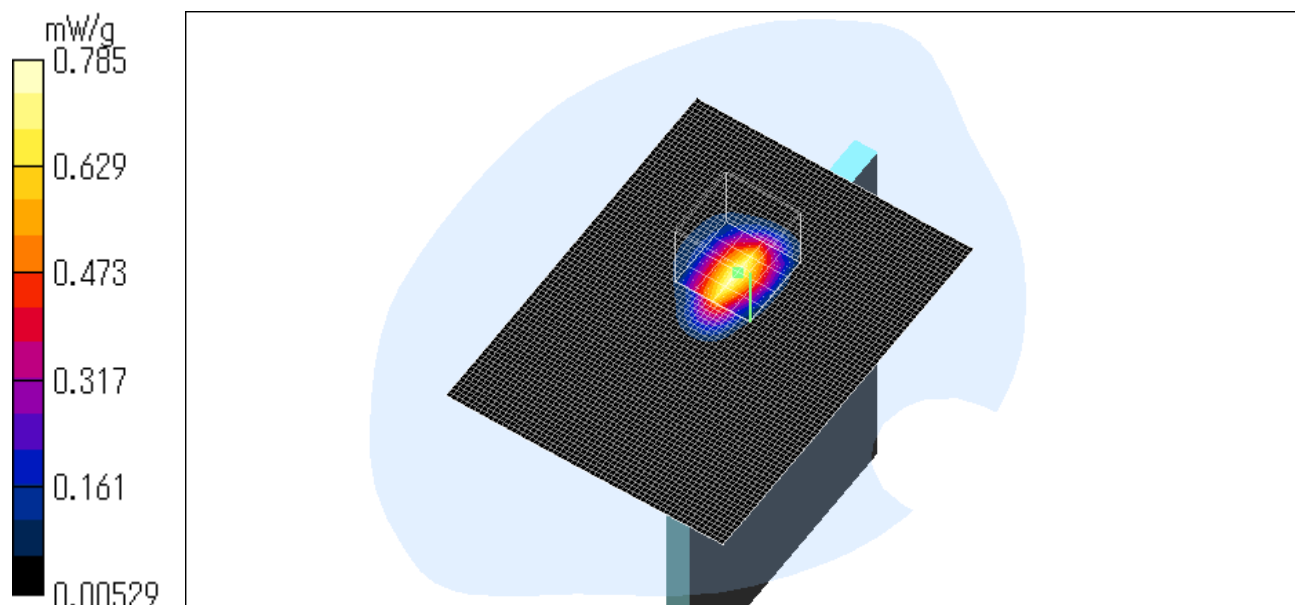
Reference Value = 13.1 V/m

Power Drift = -0.4 dB

Test Date = 07/01/04

Ambient Temperature = 24.6 degree.c

Liquid Temperature = Before 23.4 degree.C , After 23.4 degree.C



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IRF303U / Body / Right Side (EA5800 Antenna 2) / 11.b / 2412MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.98$ mho/m, $\epsilon_r = 50.1$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 1.25 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 2.13 W/kg

SAR(1 g) = 1 mW/g; SAR(10 g) = 0.464 mW/g

Maximum value of SAR = 1.07 mW/g

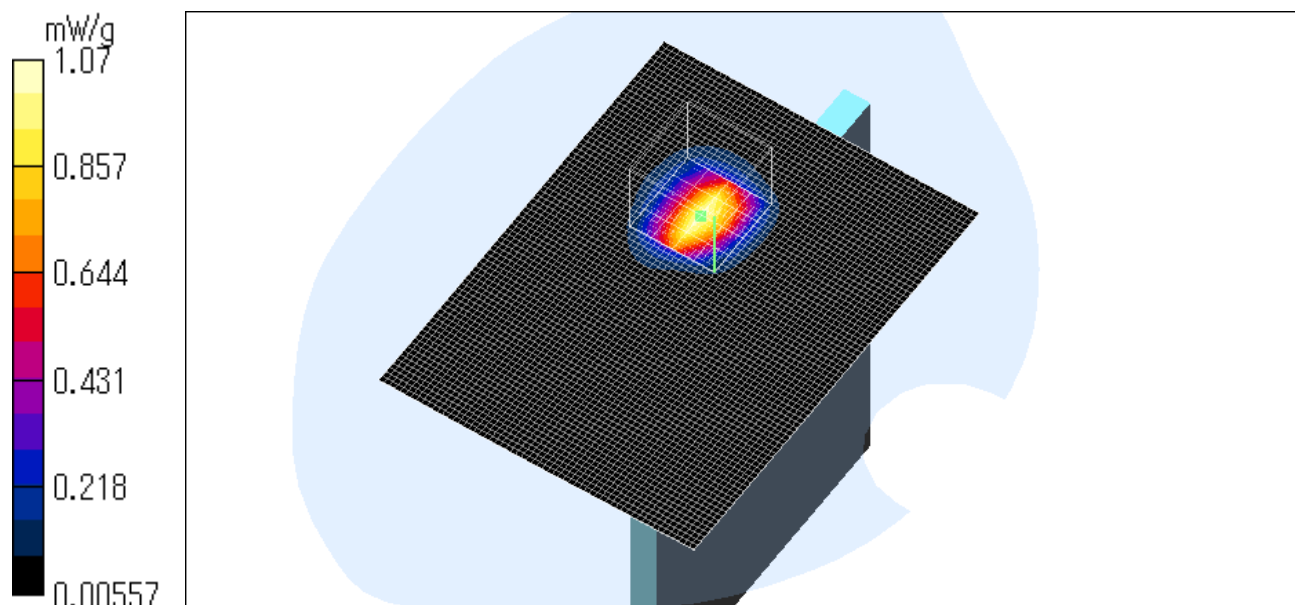
Reference Value = 3.01 V/m

Power Drift = -0.4 dB

Test Date = 07/01/04

Ambient Temperature = 24.6 degree.c

Liquid Temperature = Before 23.5 degree.C , After 23.5 degree.C



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Z-axis at max SAR location (EA5800 Antenna)

IRF303U / Body / Right Side (EA5800 Antenna 2) / 11.b / 2412MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.98$ mho/m, $\epsilon_r = 50.1$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

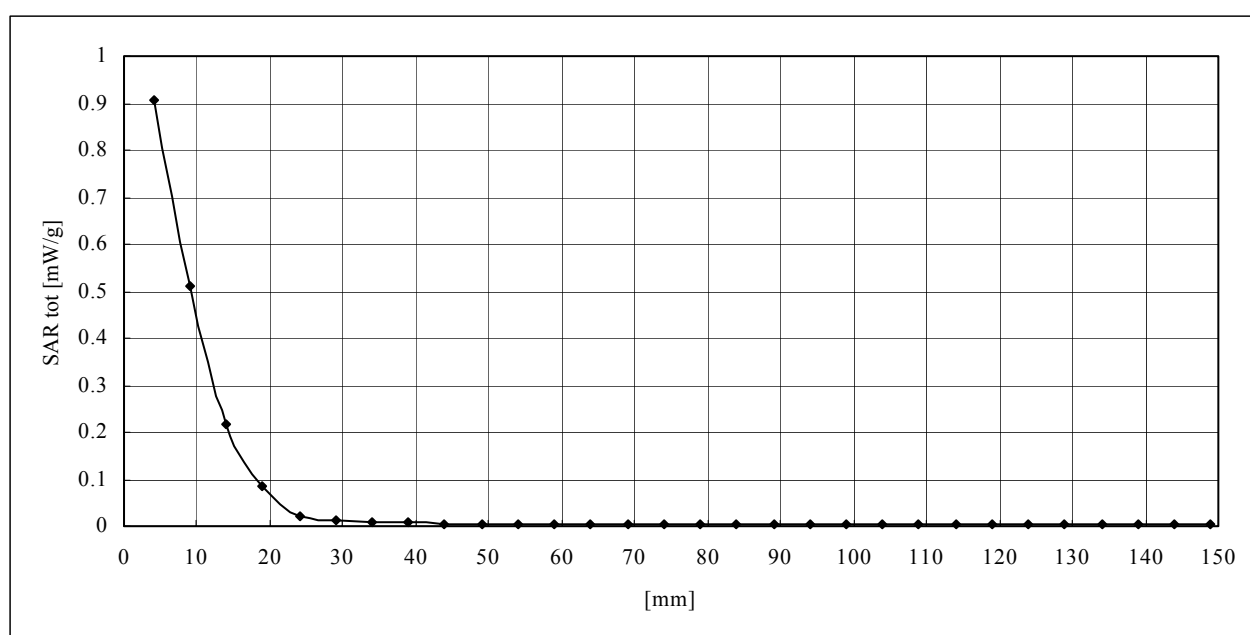
DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115



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IRF303U / Body / Right Side (EA5800 Antenna 2) / 11.b / 2462MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.98$ mho/m, $\epsilon_r = 50.1$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.785 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 1.69 W/kg

SAR(1 g) = 0.77 mW/g; SAR(10 g) = 0.349 mW/g

Maximum value of SAR = 0.786 mW/g

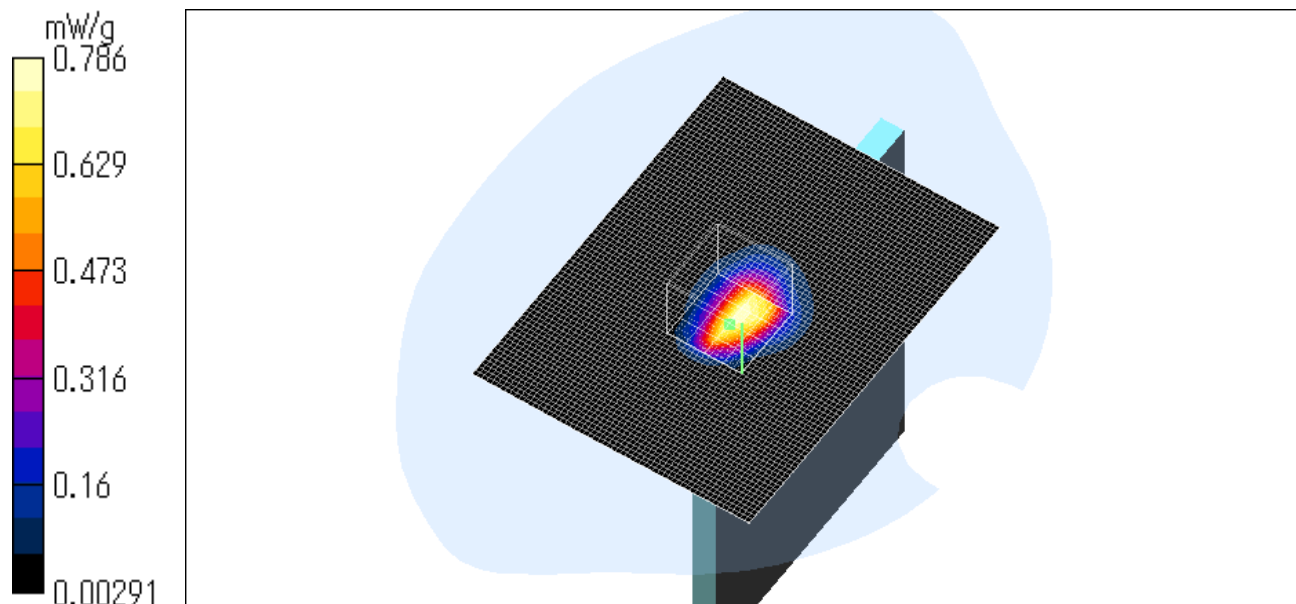
Reference Value = 19.1 V/m

Power Drift = -0.4 dB

Test Date = 07/01/04

Ambient Temperature = 24.6 degree.c

Liquid Temperature = Before 23.6 degree.C , After 23.7 degree.C



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IRF303U / Body / Left Front (EA5800 Antenna 1) / 11.g(64QAM) / 2437MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.99$ mho/m, $\epsilon_r = 50.5$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.0647 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 1.7 W/kg

SAR(1 g) = 0.111 mW/g; SAR(10 g) = 0.0319 mW/g

Maximum value of SAR = 0.0712 mW/g

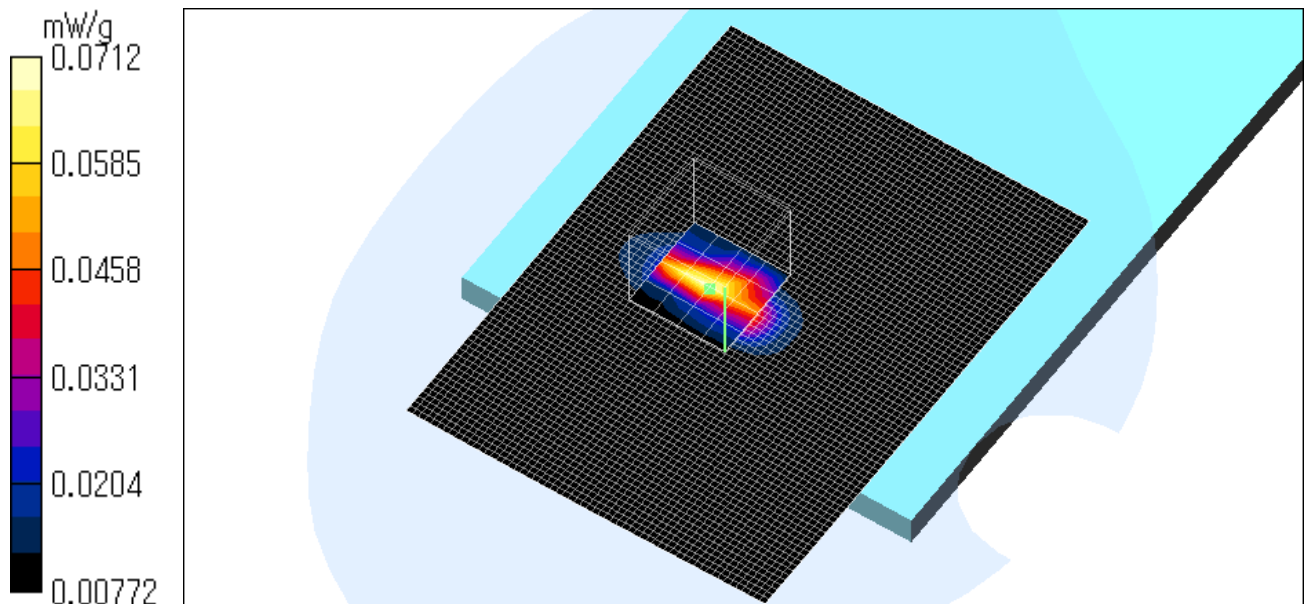
Reference Value = 5.75 V/m

Power Drift = -0.1 dB

Test Date = 06/30/04

Ambient Temperature = 24.8 degree.c

Liquid Temperature = Before 23.6 degree.C , After 23.6 degree.C



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IRF303U / Body / Left Back (EA5800 Antenna 1) / 11.g(64QAM) / 2437MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.98$ mho/m, $\epsilon_r = 50.1$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.00962 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 1.86 W/kg

SAR(1 g) = 0.0199 mW/g; SAR(10 g) = 0.00667 mW/g

Maximum value of SAR = 0.0096 mW/g

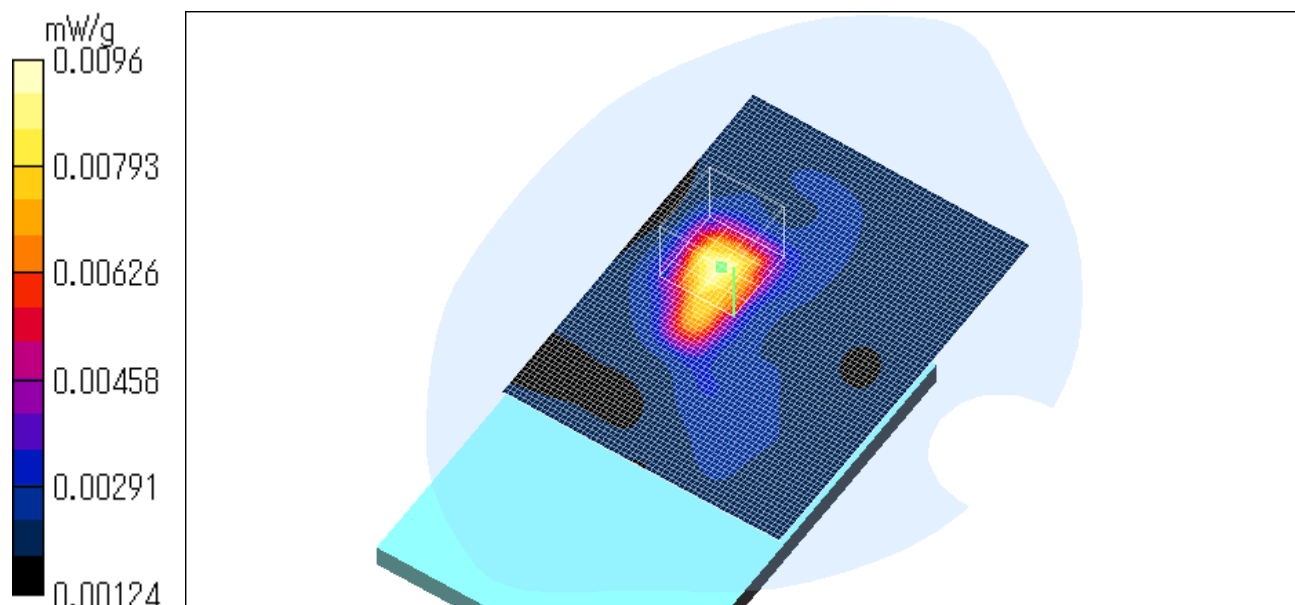
Reference Value = 1.23 V/m

Power Drift = -0.2 dB

Test Date = 07/01/04

Ambient Temperature = 24.6 degree.c

Liquid Temperature = Before 23.5 degree.C , After 23.5 degree.C



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IRF303U / Body / Left Side (EA5800 Antenna 1) / 11.g(64QAM) / 2437MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.98$ mho/m, $\epsilon_r = 50.1$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.112 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 0.214 W/kg

SAR(1 g) = 0.0908 mW/g; SAR(10 g) = 0.0421 mW/g

Maximum value of SAR = 0.097 mW/g

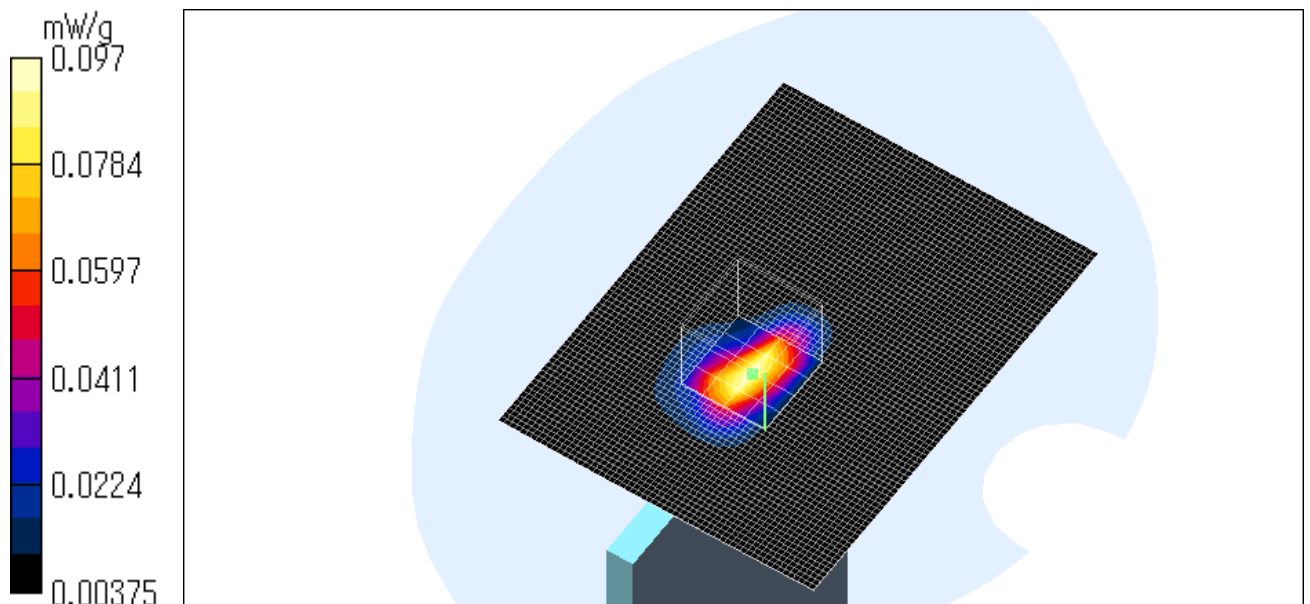
Reference Value = 5.14 V/m

Power Drift = -0.4 dB

Test Date = 07/01/04

Ambient Temperature = 24.6 degree.c

Liquid Temperature = Before 23.5 degree.C , After 23.4 degree.C



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IRF303U / Body / Right Front (EA5800 Antenna 2) / 11.g(64QAM) / 2437MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.99$ mho/m, $\epsilon_r = 50.5$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.208 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 0.497 W/kg

SAR(1 g) = 0.217 mW/g; SAR(10 g) = 0.0919 mW/g

Maximum value of SAR = 0.233 mW/g

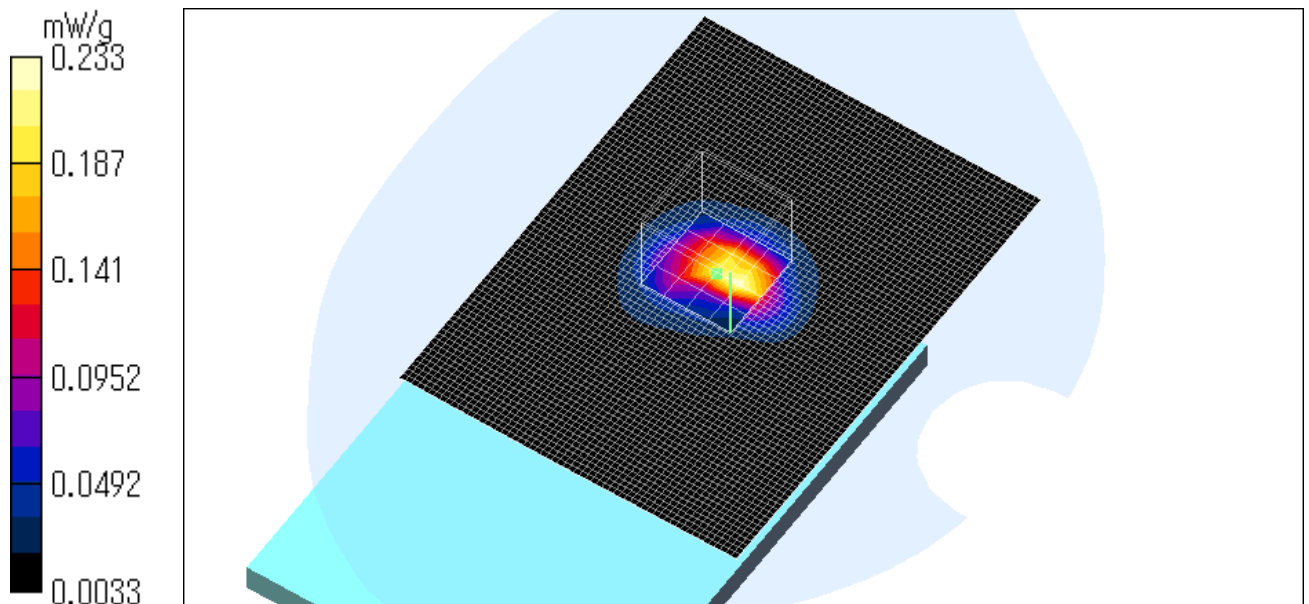
Reference Value = 11.6 V/m

Power Drift = -0.2 dB

Test Date = 06/30/04

Ambient Temperature = 24.8 degree.c

Liquid Temperature = Before 23.6 degree.C , After 23.6 degree.C



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IRF303U / Body / Right Back (EA5800 Antenna 2) / 11.g(64QAM) / 2437MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.98$ mho/m, $\epsilon_r = 50.1$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.101 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 0.159 W/kg

SAR(1 g) = 0.0814 mW/g; SAR(10 g) = 0.0422 mW/g

Maximum value of SAR = 0.0875 mW/g

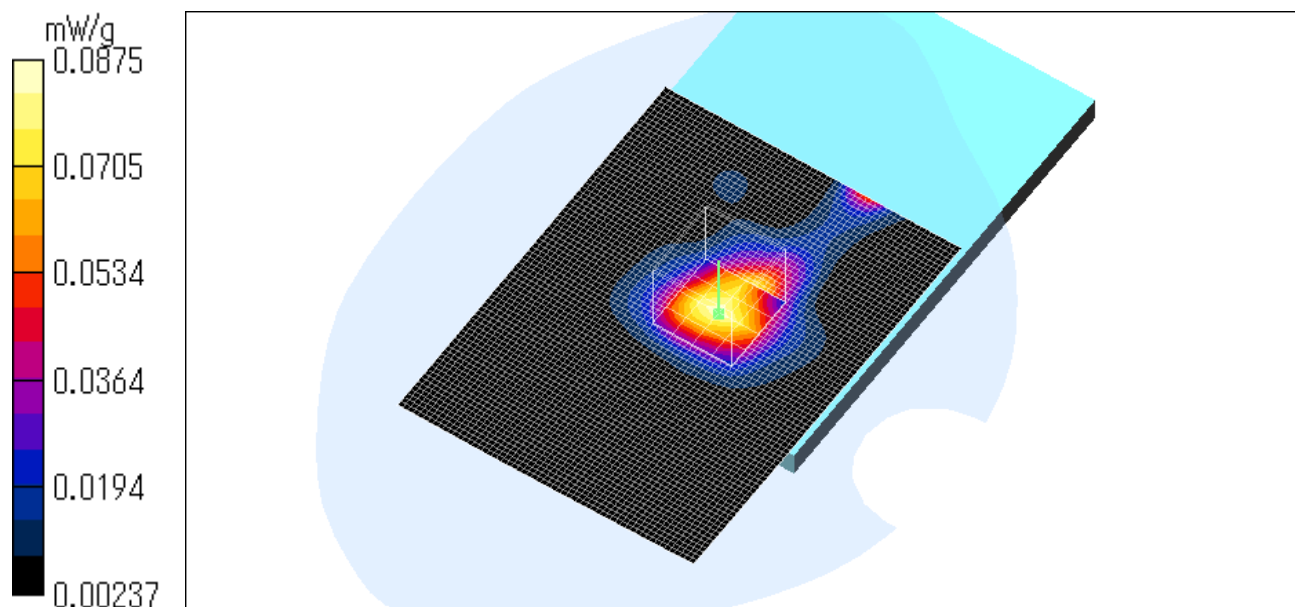
Reference Value = 5.91 V/m

Power Drift = -0.1 dB

Test Date = 07/01/04

Ambient Temperature = 24.6 degree.c

Liquid Temperature = Before 23.5 degree.C , After 23.5 degree.C



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IRF303U / Body / Right Side (EA5800 Antenna 2) / 11.g(64QAM) / 2437MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.98$ mho/m, $\epsilon_r = 50.1$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.406 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 0.793 W/kg

SAR(1 g) = 0.369 mW/g; SAR(10 g) = 0.17 mW/g

Maximum value of SAR = 0.402 mW/g

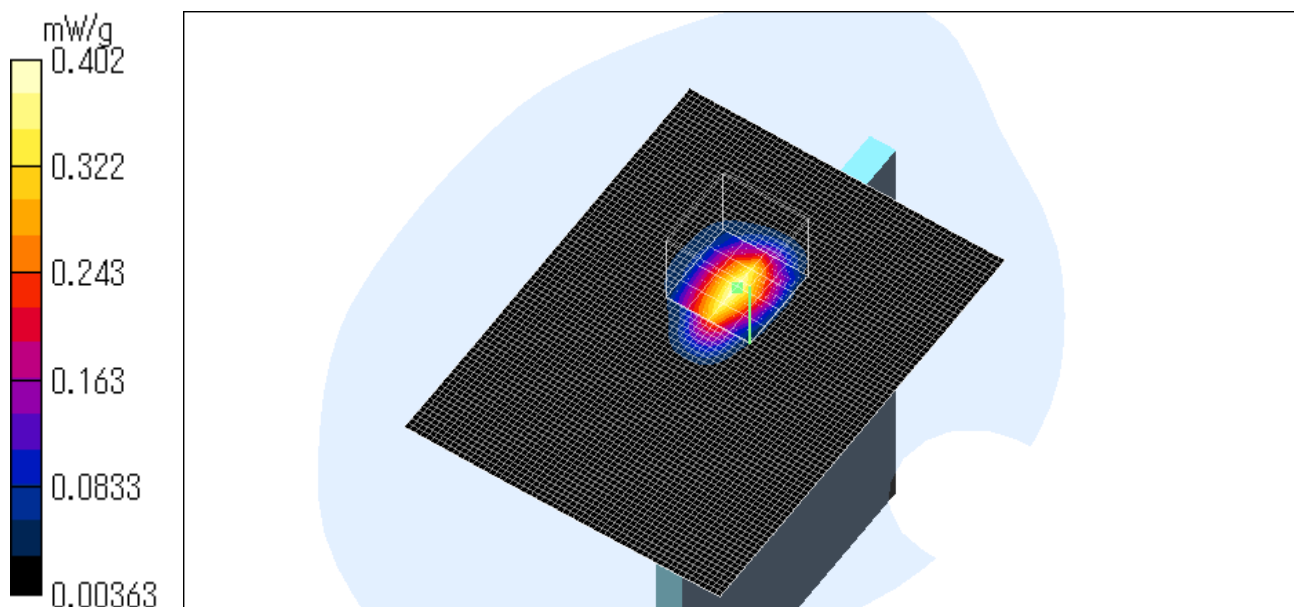
Reference Value = 8.53 V/m

Power Drift = -0.4 dB

Test Date = 07/01/04

Ambient Temperature = 24.6 degree.c

Liquid Temperature = Before 23.4 degree.C , After 23.4 degree.C



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IRF303U / Body / Right Side (EA5800 Antenna 2) / 11.g (64QAM) / 2412MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.98$ mho/m, $\epsilon_r = 50.1$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.442 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 0.996 W/kg

SAR(1 g) = 0.456 mW/g; SAR(10 g) = 0.208 mW/g

Maximum value of SAR = 0.46 mW/g

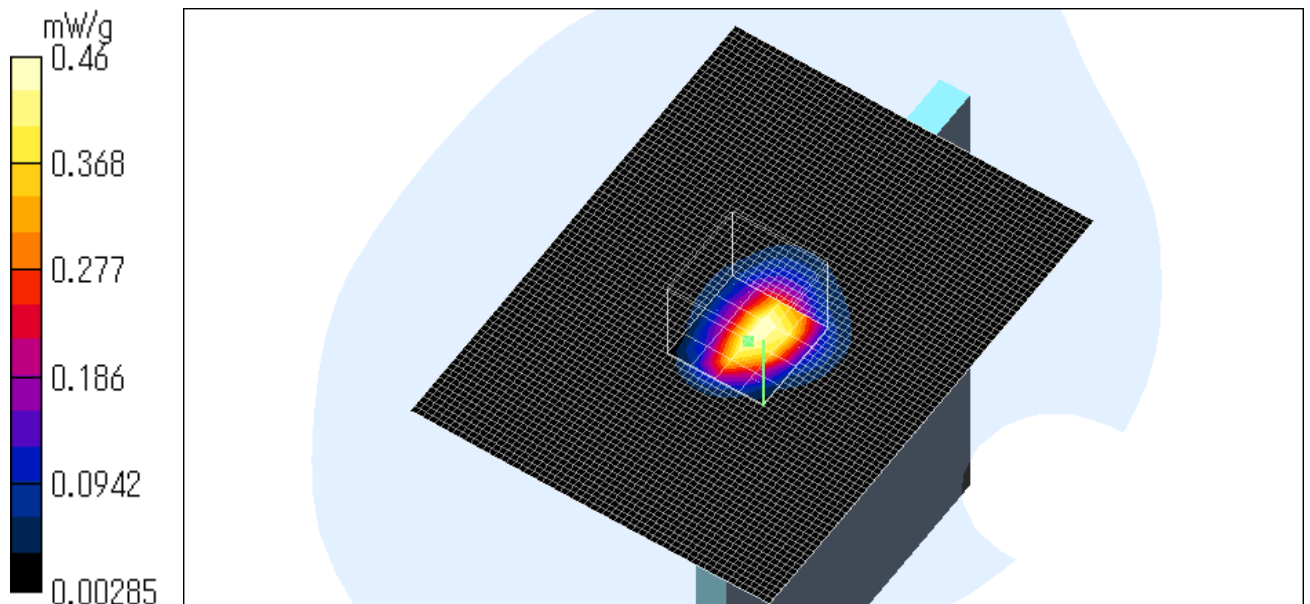
Reference Value = 15 V/m

Power Drift = -0.4 dB

Test Date = 07/01/04

Ambient Temperature = 24.6 degree.c

Liquid Temperature = Before 23.8 degree.C , After 23.8 degree.C



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IRF303U / Body / Right Side (EA5800 Antenna 2) / 11.g(64QAM) / 2462MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.98$ mho/m, $\epsilon_r = 50.1$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.318 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 0.643 W/kg

SAR(1 g) = 0.296 mW/g; SAR(10 g) = 0.135 mW/g

Maximum value of SAR = 0.46 mW/g

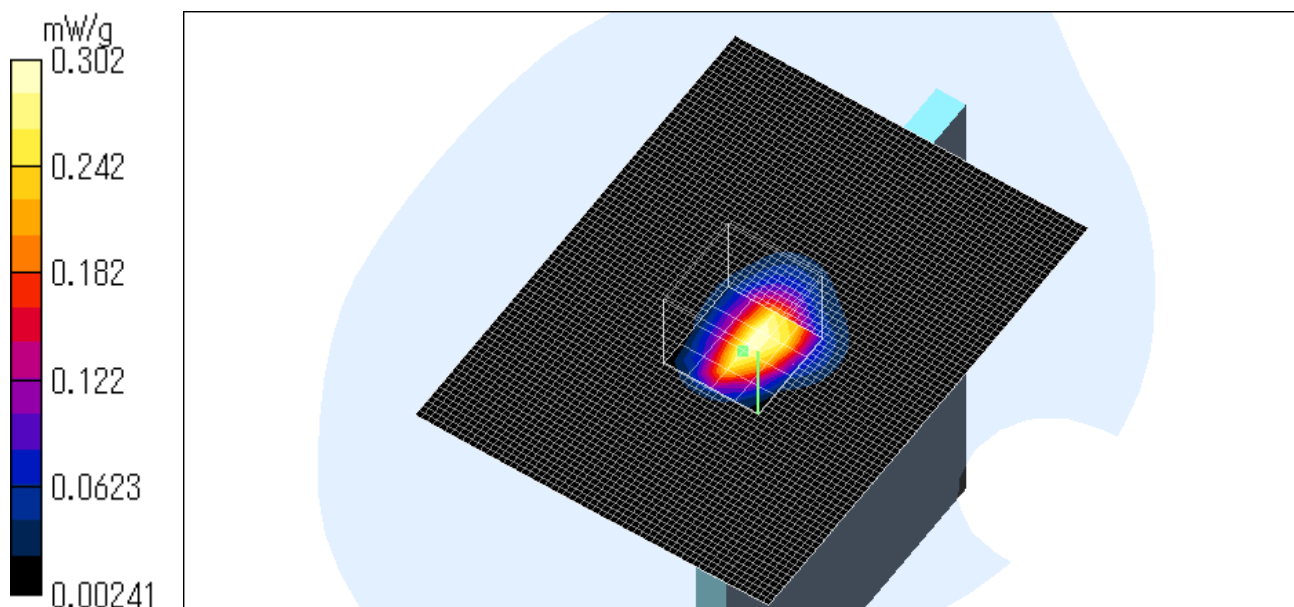
Reference Value = 12 V/m

Power Drift = -0.4 dB

Test Date = 07/01/04

Ambient Temperature = 24.6 degree.c

Liquid Temperature = Before 23.8 degree.C , After 23.8 degree.C



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IRF303U / Body / Left Front (EA5800 Antenna 1) / 11.g(QPSK) / 2437MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.99$ mho/m, $\epsilon_r = 50.5$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.0716 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 2.47 W/kg

SAR(1 g) = 0.136 mW/g; SAR(10 g) = 0.0366 mW/g

Maximum value of SAR = 0.0808 mW/g

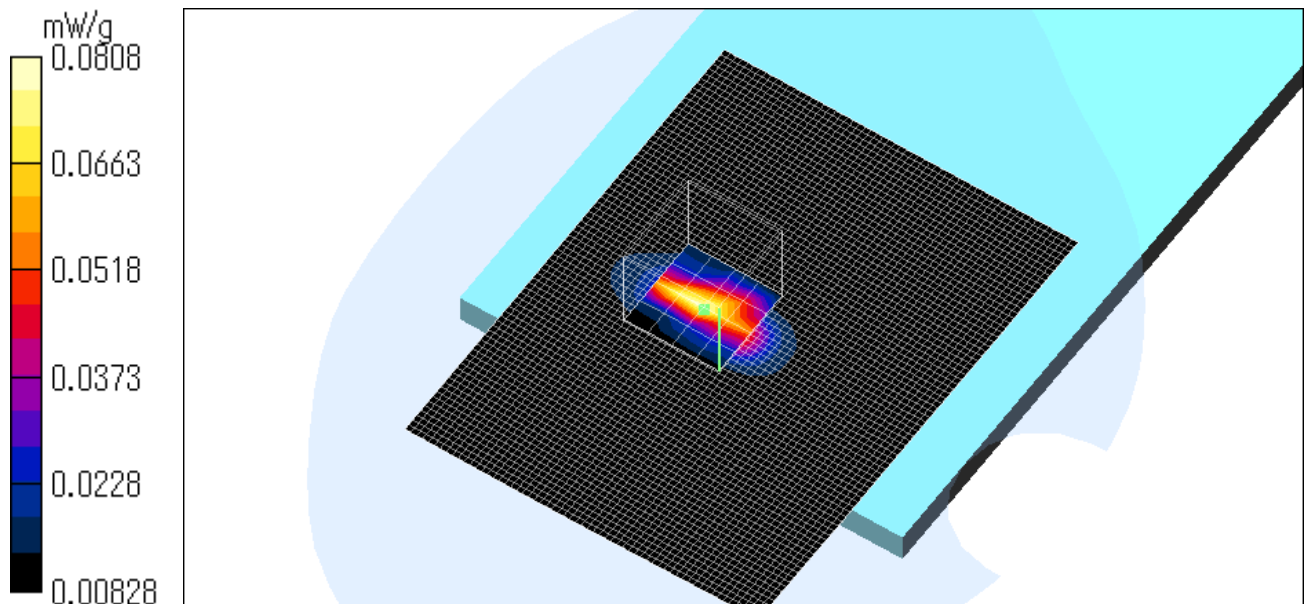
Reference Value = 5.84 V/m

Power Drift = -0.1 dB

Test Date = 06/30/04

Ambient Temperature = 24.8 degree.c

Liquid Temperature = Before 23.6 degree.C , After 23.6 degree.C



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IRF303U / Body / Left Back (EA5800 Antenna 1) / 11.g(QPSK) / 2437MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.98$ mho/m, $\epsilon_r = 50.1$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.013 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 0.0793 W/kg

SAR(1 g) = 0.0141 mW/g; SAR(10 g) = 0.00699 mW/g

Maximum value of SAR = 0.0108 mW/g

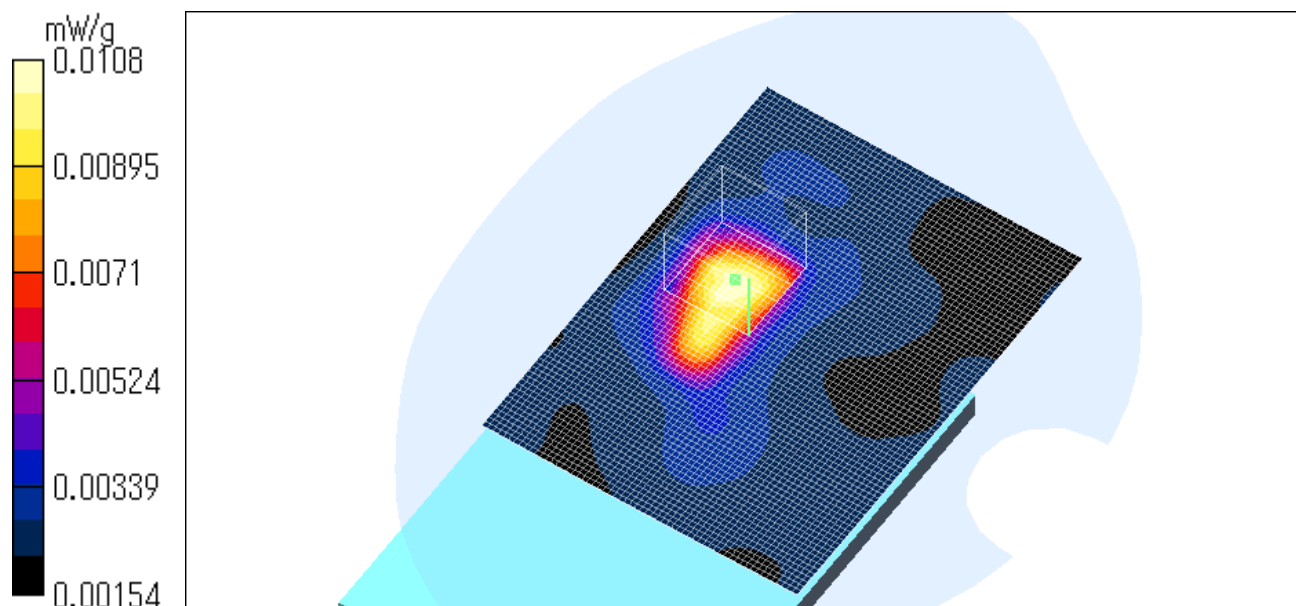
Reference Value = 1.3 V/m

Power Drift = -0.05 dB

Test Date = 07/01/04

Ambient Temperature = 24.6 degree.c

Liquid Temperature = Before 23.5 degree.C , After 23.5 degree.C



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IRF303U / Body / Left Side (EA5800 Antenna 1) / 11.g(QPSK) / 2437MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.98$ mho/m, $\epsilon_r = 50.1$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.107 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 0.221 W/kg

SAR(1 g) = 0.0894 mW/g; SAR(10 g) = 0.0416 mW/g

Maximum value of SAR = 0.0942 mW/g

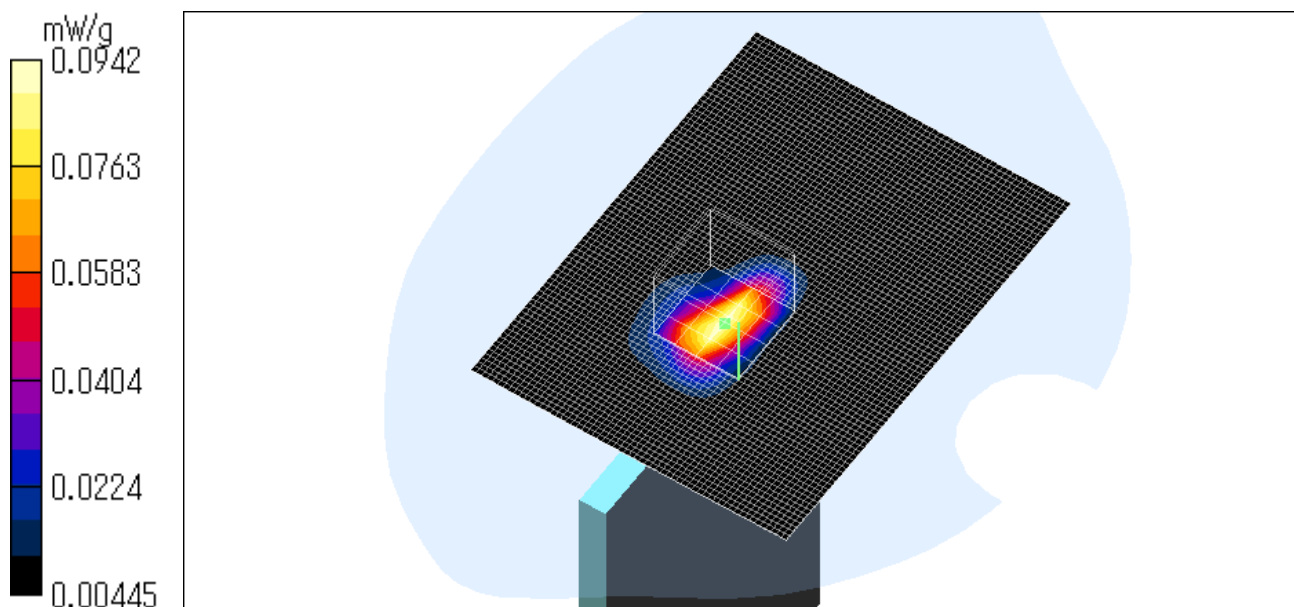
Reference Value = 5.21 V/m

Power Drift = -0.3 dB

Test Date = 07/01/04

Ambient Temperature = 24.6 degree.c

Liquid Temperature = Before 23.5 degree.C , After 23.5 degree.C



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IRF303U / Body / Right Front (EA5800 Antenna 2) / 11.g(QPSK) / 2437MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.99$ mho/m, $\epsilon_r = 50.5$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.331 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 0.804 W/kg

SAR(1 g) = 0.359 mW/g; SAR(10 g) = 0.155 mW/g

Maximum value of SAR = 0.372 mW/g

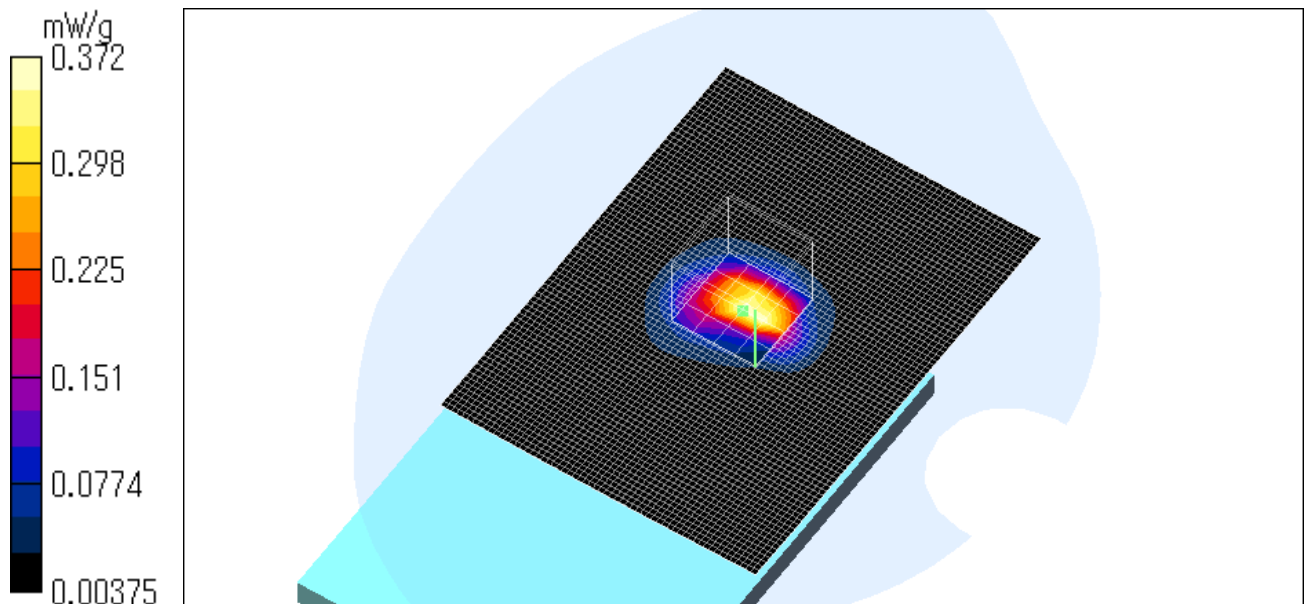
Reference Value = 13.5 V/m

Power Drift = -0.4 dB

Test Date = 06/30/04

Ambient Temperature = 24.8 degree.c

Liquid Temperature = Before 23.6 degree.C , After 23.6 degree.C



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IRF303U / Body / Right Back (EA5800 Antenna 2) / 11.g(QPSK) / 2437MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.98$ mho/m, $\epsilon_r = 50.1$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.111 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 0.185 W/kg

SAR(1 g) = 0.0952 mW/g; SAR(10 g) = 0.0502 mW/g

Maximum value of SAR = 0.0997 mW/g

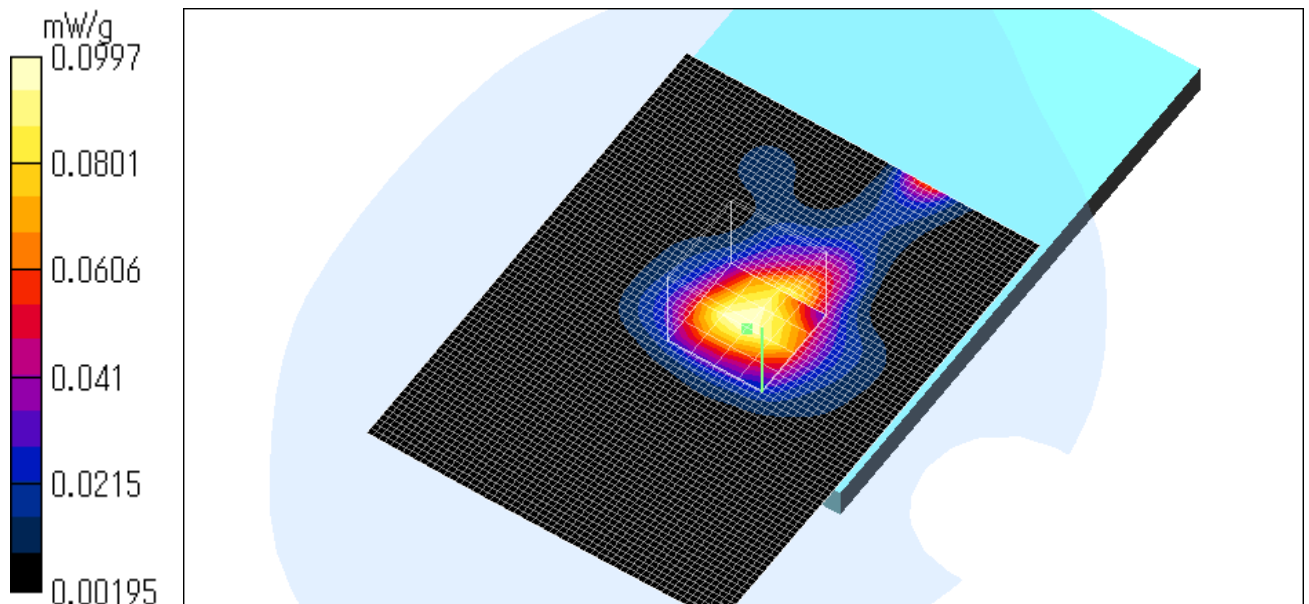
Reference Value = 6.23 V/m

Power Drift = -0.3 dB

Test Date = 07/01/04

Ambient Temperature = 24.6 degree.c

Liquid Temperature = Before 23.5 degree.C , After 23.5 degree.C



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IRF303U / Body / Right Side (EA5800 Antenna 2) / 11.g(QPSK) / 2437MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.98$ mho/m, $\epsilon_r = 50.1$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.428 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 0.851 W/kg

SAR(1 g) = 0.393 mW/g; SAR(10 g) = 0.181 mW/g

Maximum value of SAR = 0.427 mW/g

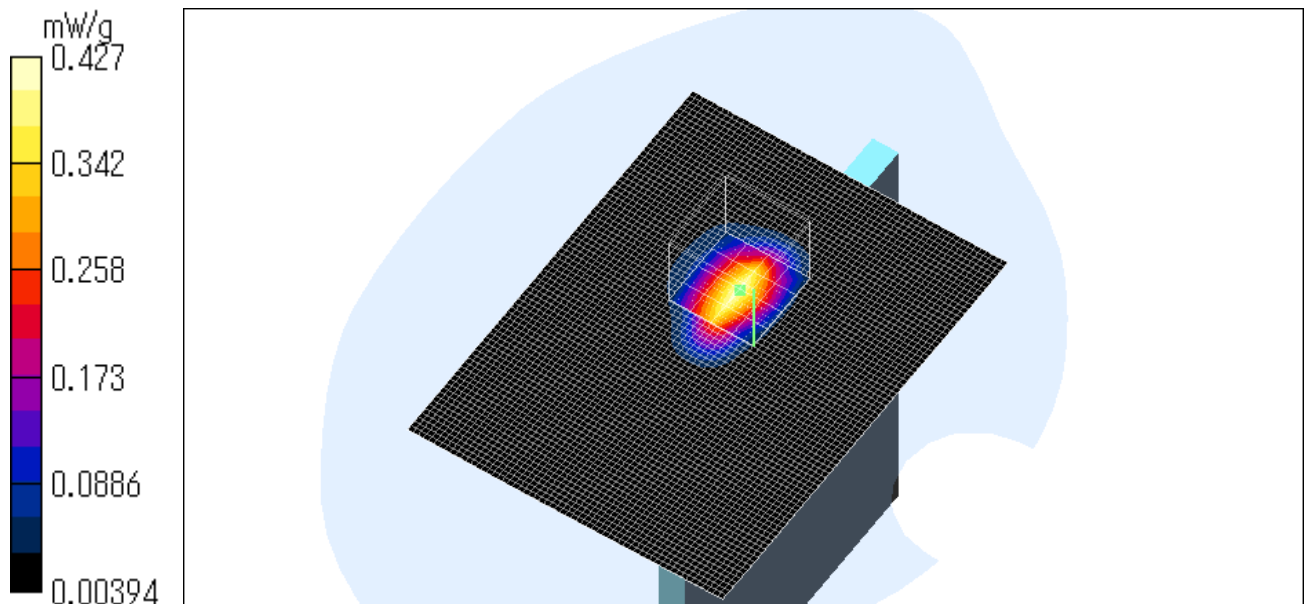
Reference Value = 9.09 V/m

Power Drift = -0.3 dB

Test Date = 07/01/04

Ambient Temperature = 24.6 degree.c

Liquid Temperature = Before 23.4 degree.C , After 23.5 degree.C



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IRF303U / Body / Right Side (EA5800 Antenna 2) / 11.g (QPSK) / 2412MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.98$ mho/m, $\epsilon_r = 50.1$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.5 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 1.13 W/kg

SAR(1 g) = 0.522 mW/g; SAR(10 g) = 0.239 mW/g

Maximum value of SAR = 0.526 mW/g

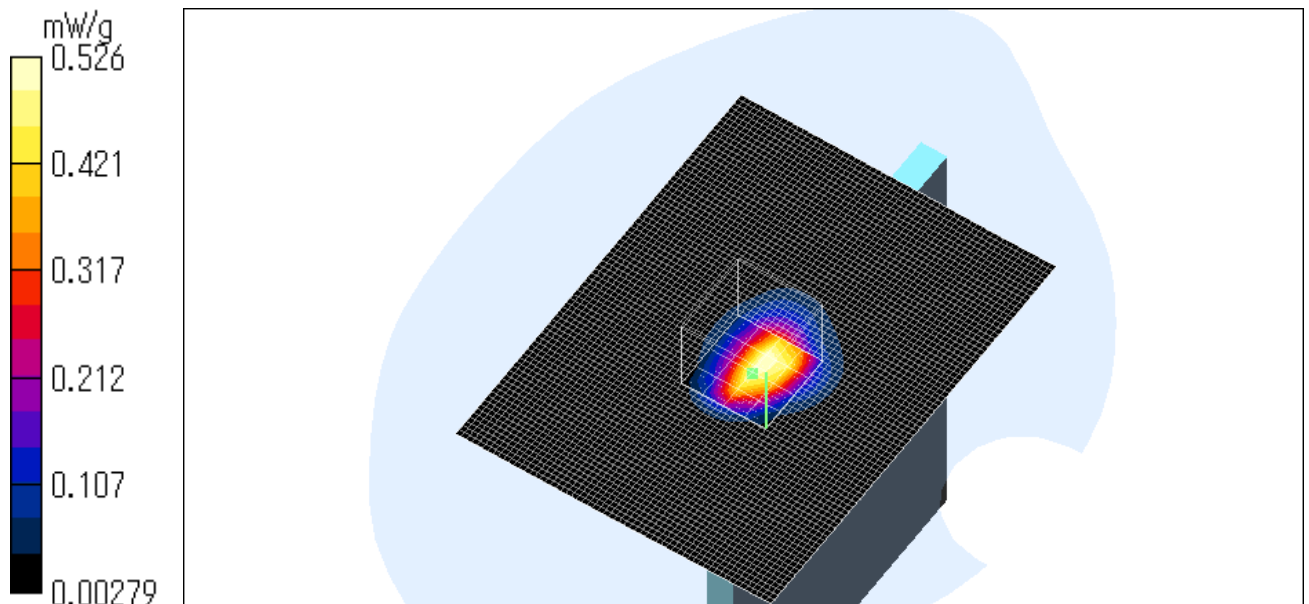
Reference Value = 15.6 V/m

Power Drift = -0.4 dB

Test Date = 07/01/04

Ambient Temperature = 24.6 degree.c

Liquid Temperature = Before 23.8 degree.C , After 23.7 degree.C



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IRF303U / Body / Right Side (EA5800 Antenna 2) / 11.g(QPSK) / 2462MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.98$ mho/m, $\epsilon_r = 50.1$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.36 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 0.767 W/kg

SAR(1 g) = 0.35 mW/g; SAR(10 g) = 0.158 mW/g

Maximum value of SAR = 0.353 mW/g

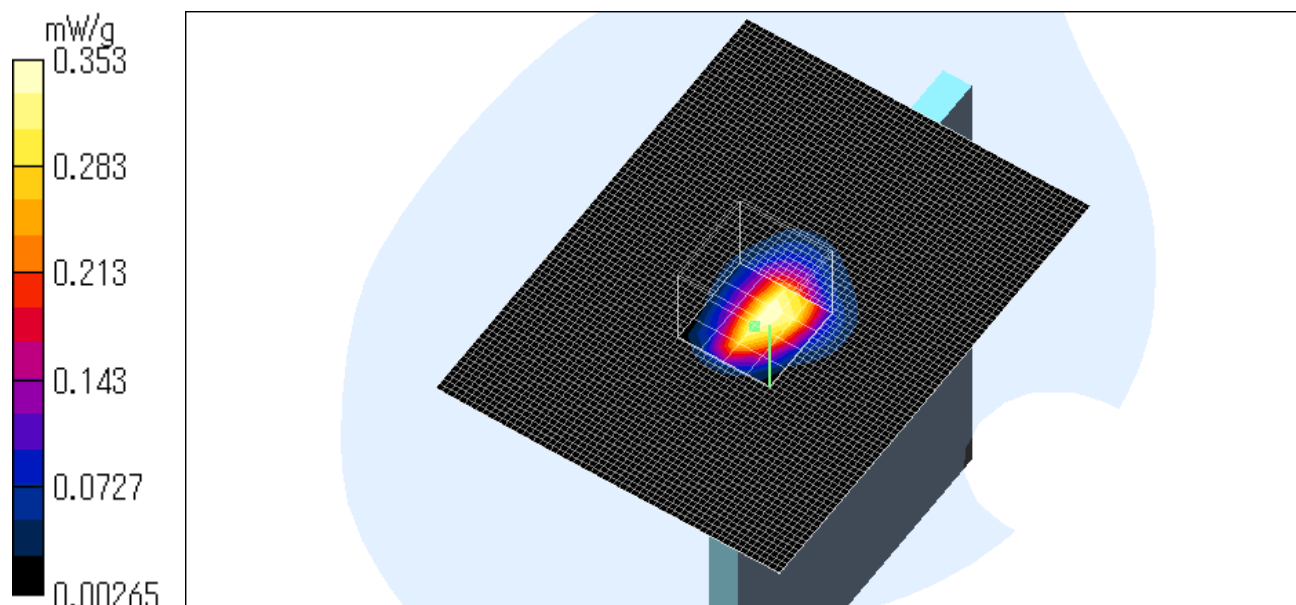
Reference Value = 12.7 V/m

Power Drift = -0.4 dB

Test Date = 07/01/04

Ambient Temperature = 24.6 degree.c

Liquid Temperature = Before 23.5 degree.C , After 23.5 degree.C



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APPENDIX 3 : SAR Measurement data of EA5800 (IEEE 802.11a : 5.15-5.35GHz)

IRF303U / Body / Left Front (EA5800 Antenna 1) / 11.a(64QAM) / 5260MHz

Crest factor: 1

Medium: M5200 ($\sigma = 5.5$ mho/m, $\epsilon_r = 46.7$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.62, 4.62, 4.62); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 1.57 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 4.45 W/kg

SAR(1 g) = 0.996 mW/g; SAR(10 g) = 0.309 mW/g

Maximum value of SAR = 2.34 mW/g

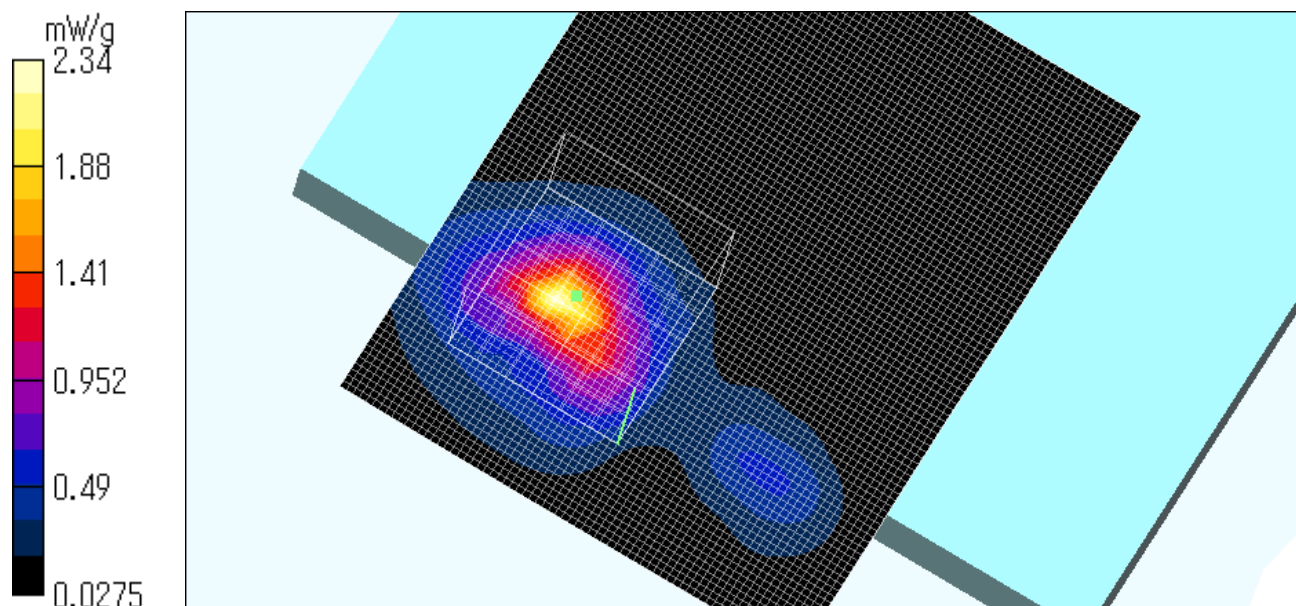
Reference Value = 4.49 V/m

Power Drift = -0.1 dB

Test Date = 06/22/04

Ambient Temperature = 24.8 degree.c

Liquid Temperature = Before 24.8 degree.C , After 24.8 degree.C



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IRF303U / Body / Left Back (EA5800 Antenna 1) / 11.a(64QAM) / 5260MHz

Crest factor: 1

Medium: M5200 ($\sigma = 5.5$ mho/m, $\epsilon_r = 46.7$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.62, 4.62, 4.62); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.0809 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 0.146 W/kg

SAR(1 g) = 0.0444 mW/g; SAR(10 g) = 0.0277 mW/g

Maximum value of SAR = 0.0645 mW/g

Zoom Scan (7x7x8)/Cube 1: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 0.18 W/kg

SAR(1 g) = 0.0467 mW/g; SAR(10 g) = 0.0287 mW/g

Maximum value of SAR = 0.0659 mW/g

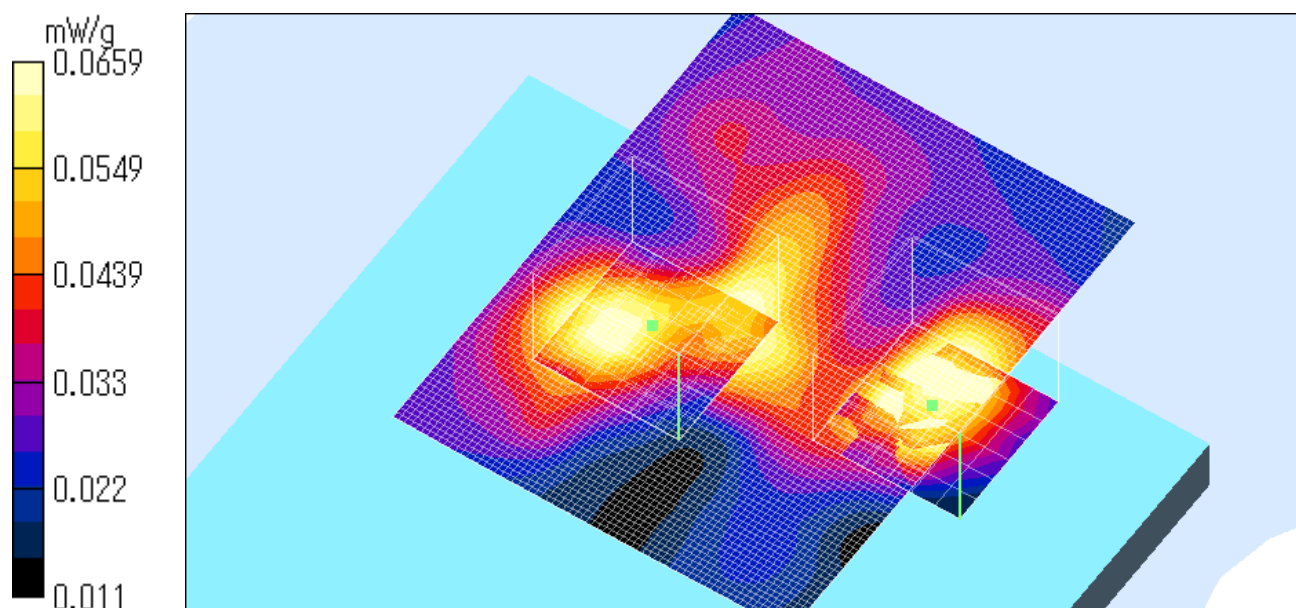
Reference Value = 3.47 V/m

Power Drift = -0.2 dB

Test Date = 06/22/04

Ambient Temperature = 24.8 degree.c

Liquid Temperature = Before 24.8 degree.C , After 24.8 degree.C



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IRF303U / Body / Left Side (EA5800 Antenna 1) / 11.a(64QAM) / 5260MHz

Crest factor: 1

Medium: M5200 ($\sigma = 5.5$ mho/m, $\epsilon_r = 46.7$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.62, 4.62, 4.62); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.703 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 1.34 W/kg

SAR(1 g) = 0.384 mW/g; SAR(10 g) = 0.133 mW/g

Maximum value of SAR = 0.716 mW/g

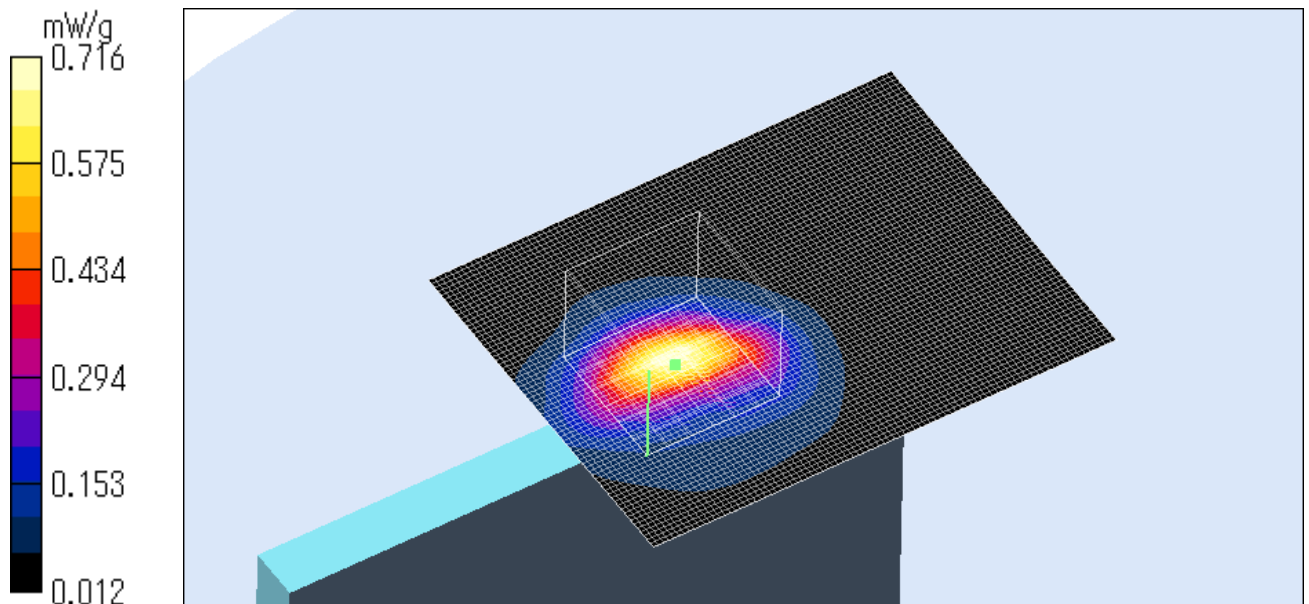
Reference Value = 6.01 V/m

Power Drift = -0.4 dB

Test Date = 06/22/04

Ambient Temperature = 24.8 degree.c

Liquid Temperature = Before 24.8 degree.C , After 24.8 degree.C



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IRF303U / Body / Right Front (EA5800 Antenna 2) / 11.a(64QAM) / 5260MHz

Crest factor: 1

Medium: M5200 ($\sigma = 5.5$ mho/m, $\epsilon_r = 46.7$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.62, 4.62, 4.62); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.861 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.384 mW/g; SAR(10 g) = 0.147 mW/g

Maximum value of SAR = 0.679 mW/g

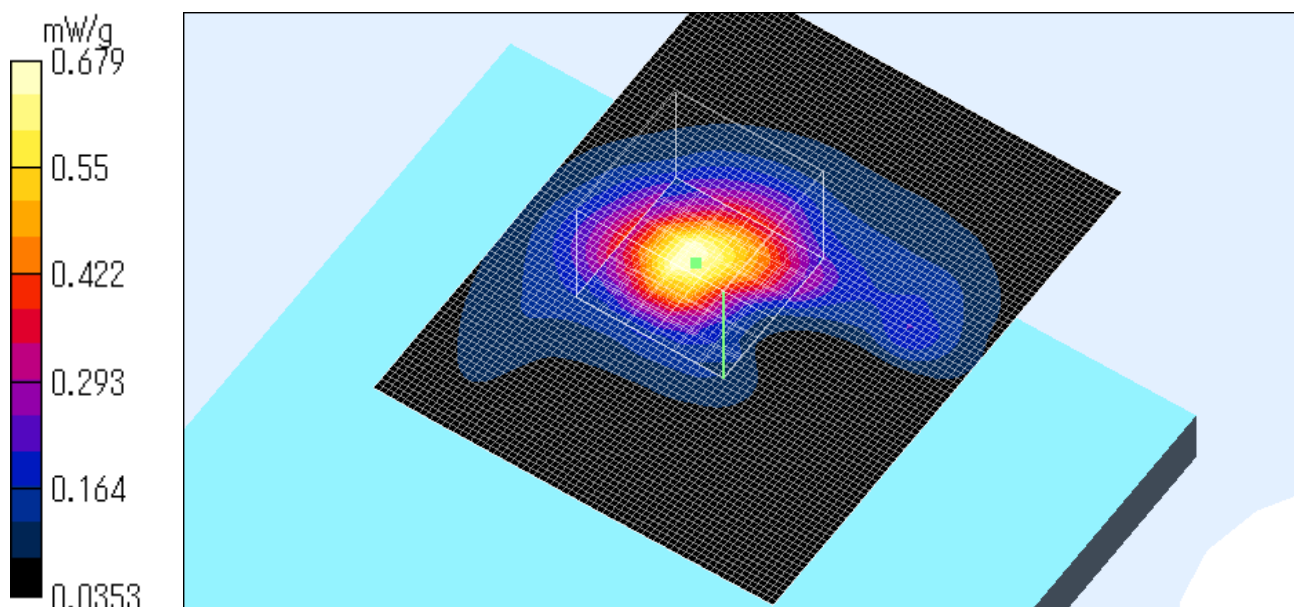
Reference Value = 7.58 V/m

Power Drift = -0.2 dB

Test Date = 06/22/04

Ambient Temperature = 24.8 degree.c

Liquid Temperature = Before 24.8 degree.C , After 24.7 degree.C



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IRF303U / Body / Right Back (EA5800 Antenna 2) / 11.a(64QAM) / 5260MHz

Crest factor: 1

Medium: M5200 ($\sigma = 5.5$ mho/m, $\epsilon_r = 46.7$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.62, 4.62, 4.62); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.274 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 0.399 W/kg

SAR(1 g) = 0.148 mW/g; SAR(10 g) = 0.076 mW/g

Maximum value of SAR = 0.234 mW/g

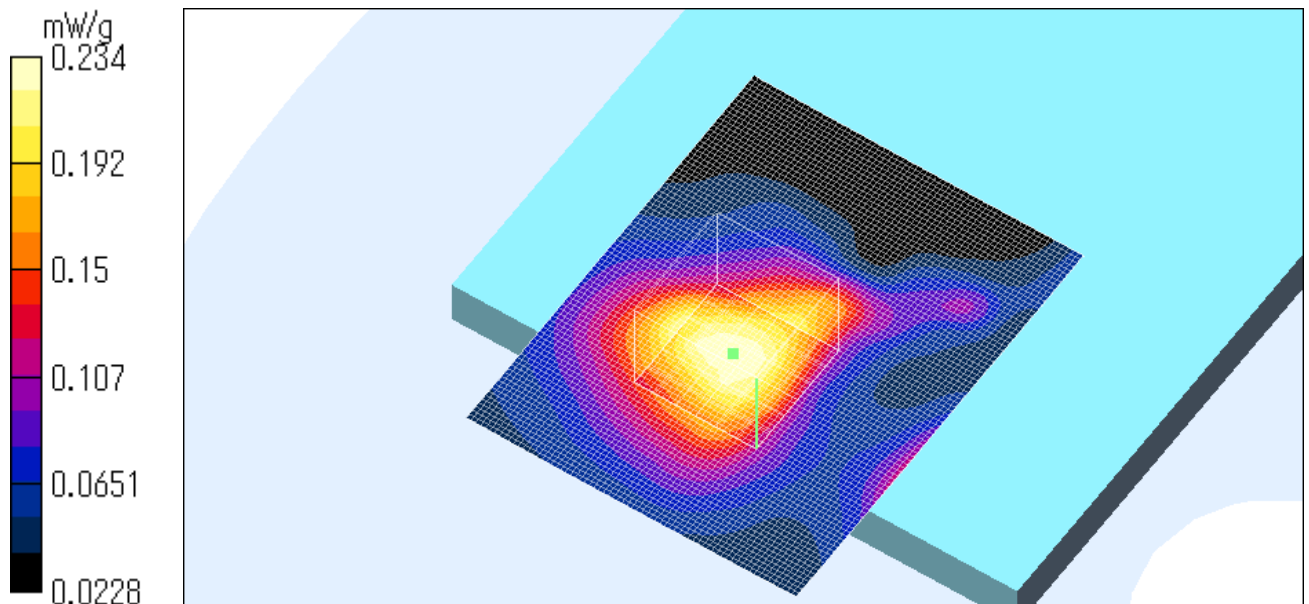
Reference Value = 6.98 V/m

Power Drift = -0.1 dB

Test Date = 06/22/04

Ambient Temperature = 24.8 degree.c

Liquid Temperature = Before 24.8 degree.C , After 24.8 degree.C



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IRF303U / Body / Right Side (EA5800 Antenna 2) / 11.a(64QAM) / 5260MHz

Crest factor: 1

Medium: M5200 ($\sigma = 5.5$ mho/m, $\epsilon_r = 46.7$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.62, 4.62, 4.62); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 1.01 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 1.83 W/kg

SAR(1 g) = 0.516 mW/g; SAR(10 g) = 0.176 mW/g

Maximum value of SAR = 0.957 mW/g

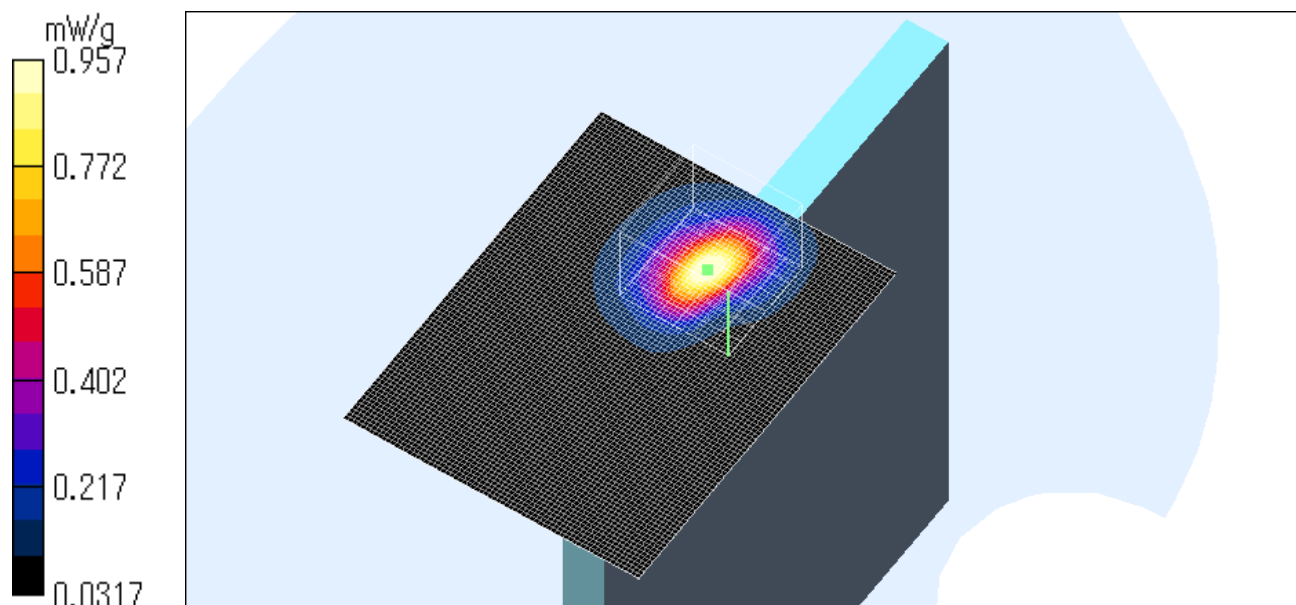
Reference Value = 4.03 V/m

Power Drift = -0.04 dB

Test Date = 06/22/04

Ambient Temperature = 24.8 degree.c

Liquid Temperature = Before 24.6 degree.C , After 24.6 degree.C



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IRF303U / Body / Left Front(EA5800 Antenna 1) / 11.a(64QAM) / 5180MHz

Crest factor: 1

Medium: M5200 ($\sigma = 5.5$ mho/m, $\epsilon_r = 46.7$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.62, 4.62, 4.62); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.651 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 1.55 W/kg

SAR(1 g) = 0.365 mW/g; SAR(10 g) = 0.118 mW/g

Maximum value of SAR = 0.858 mW/g

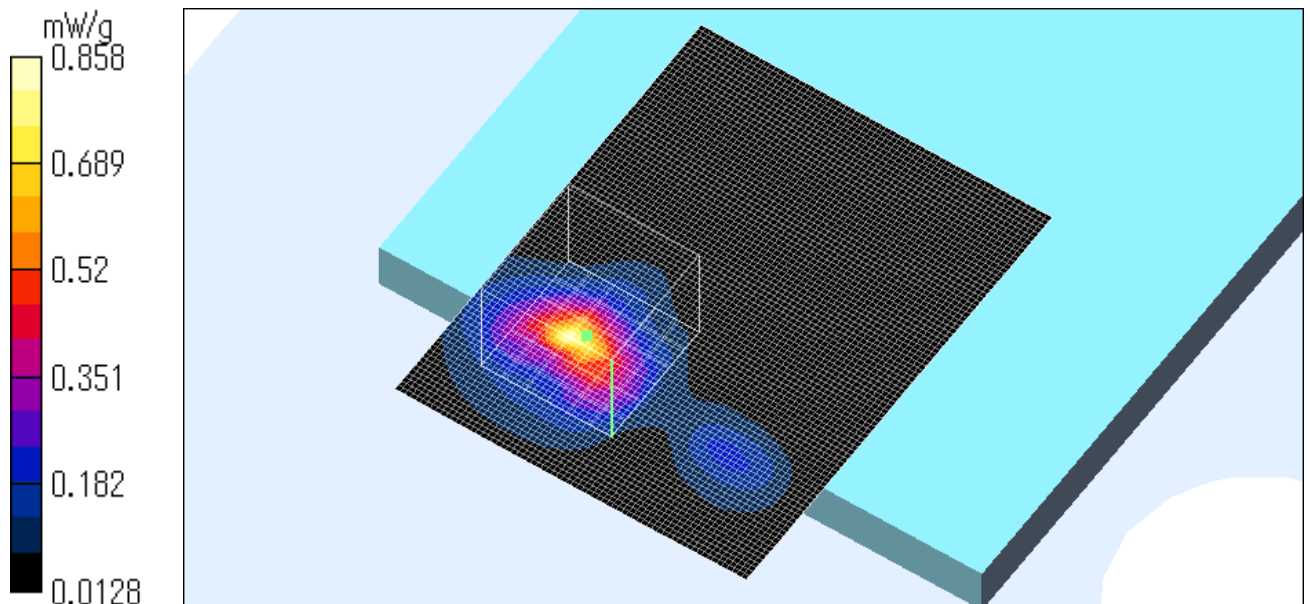
Reference Value = 2.62 V/m

Power Drift = -0.4 dB

Test Date = 06/22/04

Ambient Temperature = 24.8 degree.c

Liquid Temperature = Before 24.6 degree.C , After 24.7 degree.C



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IRF303U / Body / Left Back (EA5800 Antenna 1) / 11.a(64QAM) / 5320MHz

Crest factor: 1

Medium: M5200 ($\sigma = 5.5$ mho/m, $\epsilon_r = 46.7$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.62, 4.62, 4.62); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 2.02 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 4.96 W/kg

SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.324 mW/g

Maximum value of SAR = 2.64 mW/g

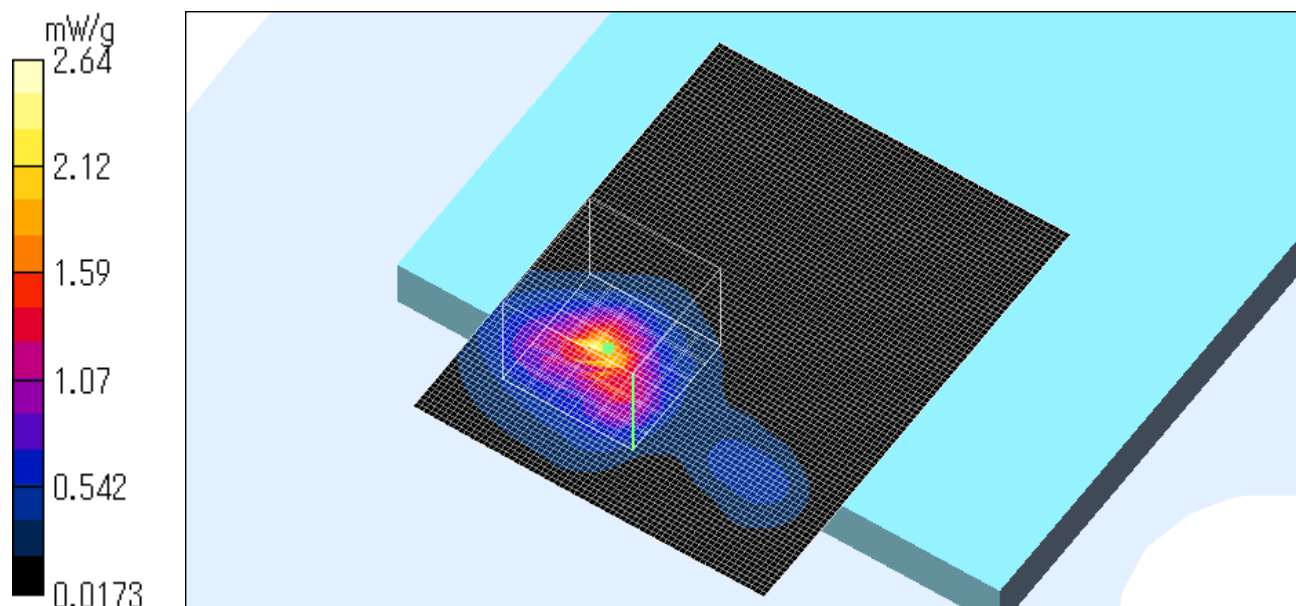
Reference Value = 4.82 V/m

Power Drift = -0.3dB

Test Date = 06/22/04

Ambient Temperature = 24.8 degree.c

Liquid Temperature = Before 24.7 degree.C , After 24.7 degree.C



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IRF303U / Body / Left Front (EA5800 Antenna 1) / 11.a(QPSK) / 5260MHz

Crest factor: 1

Medium: M5200 ($\sigma = 5.5$ mho/m, $\epsilon_r = 46.7$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.62, 4.62, 4.62); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 1.86 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 4.57 W/kg

SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.327 mW/g

Maximum value of SAR = 2.43 mW/g

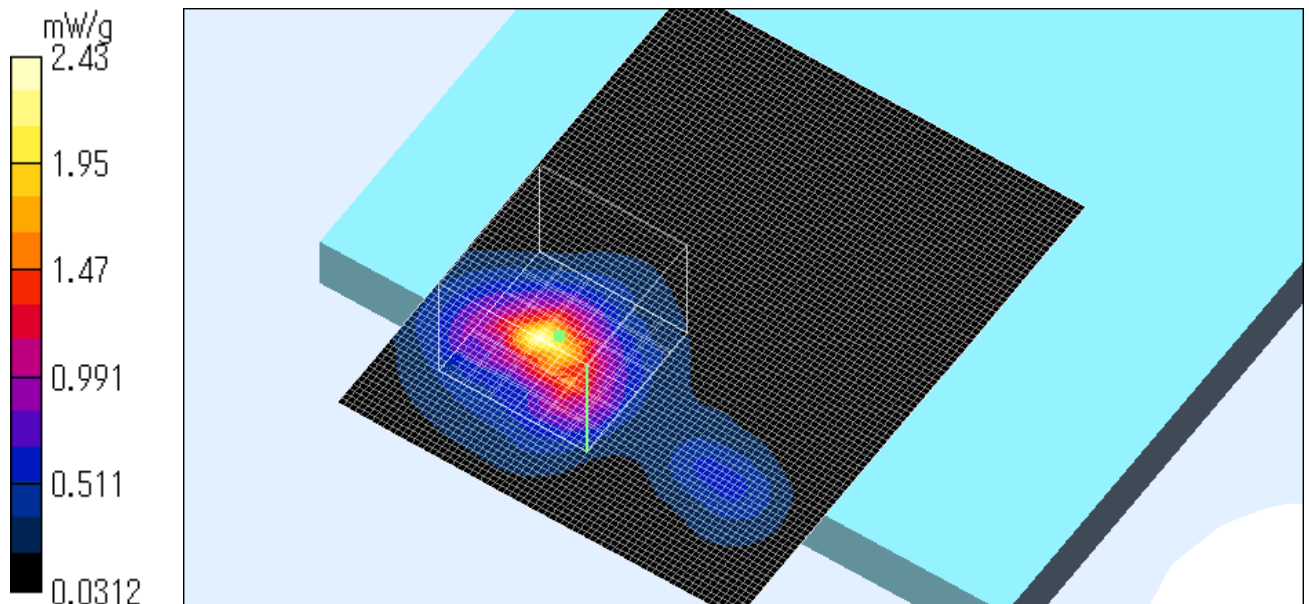
Reference Value = 4.89 V/m

Power Drift = -0.4 dB

Test Date = 06/22/04

Ambient Temperature = 24.8 degree.c

Liquid Temperature = Before 24.8 degree.C , After 24.8 degree.C



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IRF303U / Body / Left Back (EA5800 Antenna 1) / 11.a(QPSK) / 5260MHz

Crest factor: 1

Medium: M5200 ($\sigma = 5.5$ mho/m, $\epsilon_r = 46.7$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.62, 4.62, 4.62); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.102 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 0.166 W/kg

SAR(1 g) = 0.0592 mW/g; SAR(10 g) = 0.0339 mW/g

Maximum value of SAR = 0.0917 mW/g

Zoom Scan (7x7x8)/Cube 1: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 0.183 W/kg

SAR(1 g) = 0.0637 mW/g; SAR(10 g) = 0.0365 mW/g

Maximum value of SAR = 0.0993 mW/g

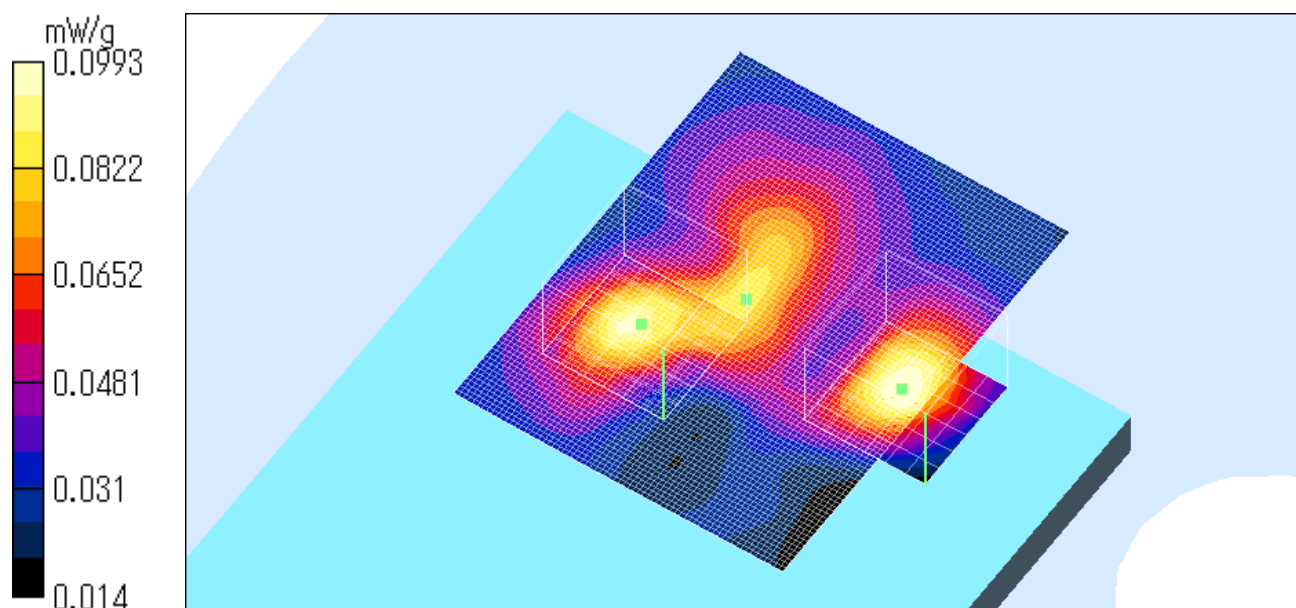
Reference Value = 3.87 V/m

Power Drift = -0.4 dB

Test Date = 06/22/04

Ambient Temperature = 24.8 degree.c

Liquid Temperature = Before 24.8 degree.C , After 24.8 degree.C



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IRF303U / Body / Left Side (EA5800 Antenna 1) / 11.a(QPSK) / 5260MHz

Crest factor: 1

Medium: M5200 ($\sigma = 5.5$ mho/m, $\epsilon_r = 46.7$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.62, 4.62, 4.62); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.76 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 1.38 W/kg

SAR(1 g) = 0.41 mW/g; SAR(10 g) = 0.145 mW/g

Maximum value of SAR = 0.754 mW/g

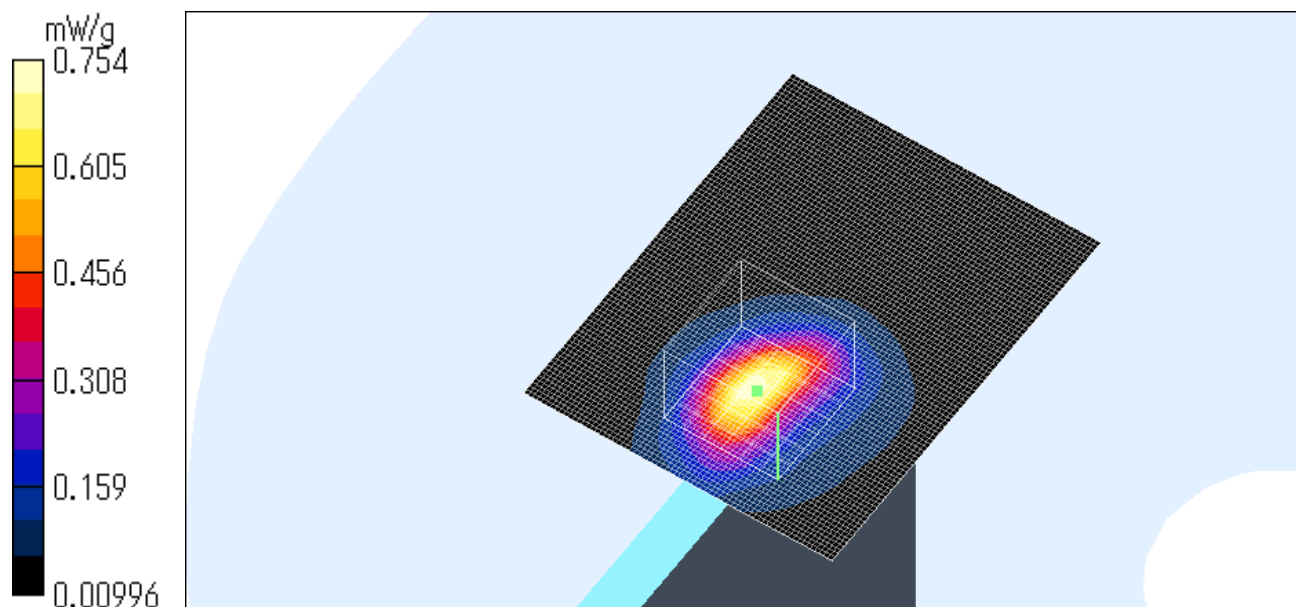
Reference Value = 6.63 V/m

Power Drift = -0.4 dB

Test Date = 06/22/04

Ambient Temperature = 24.8 degree.c

Liquid Temperature = Before 24.8 degree.C , After 24.8 degree.C



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IRF303U / Body / Right Front (EA5800 Antenna 2) / 11.a(QPSK) / 5260MHz

Crest factor: 1

Medium: M5200 ($\sigma = 5.5$ mho/m, $\epsilon_r = 46.7$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.62, 4.62, 4.62); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 1.35 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 2.32 W/kg

SAR(1 g) = 0.705 mW/g; SAR(10 g) = 0.252 mW/g

Maximum value of SAR = 1.28 mW/g

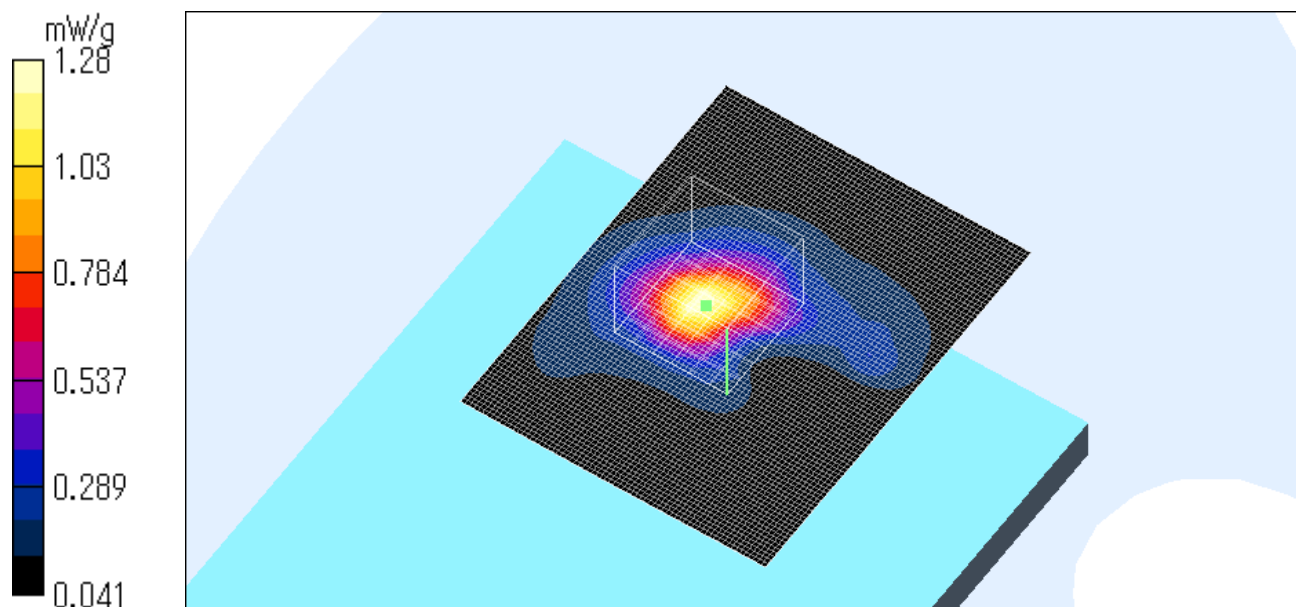
Reference Value = 8.82 V/m

Power Drift = -0.3 dB

Test Date = 06/22/04

Ambient Temperature = 24.8 degree.c

Liquid Temperature = Before 24.8 degree.C , After 24.8 degree.C



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IRF303U / Body / Right Back (EA5800 Antenna 2) / 11.a(QPSK) / 5260MHz

Crest factor: 1

Medium: M5200 ($\sigma = 5.5$ mho/m, $\epsilon_r = 46.7$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.62, 4.62, 4.62); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.371 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 0.575 W/kg

SAR(1 g) = 0.211 mW/g; SAR(10 g) = 0.101 mW/g

Maximum value of SAR = 0.337 mW/g

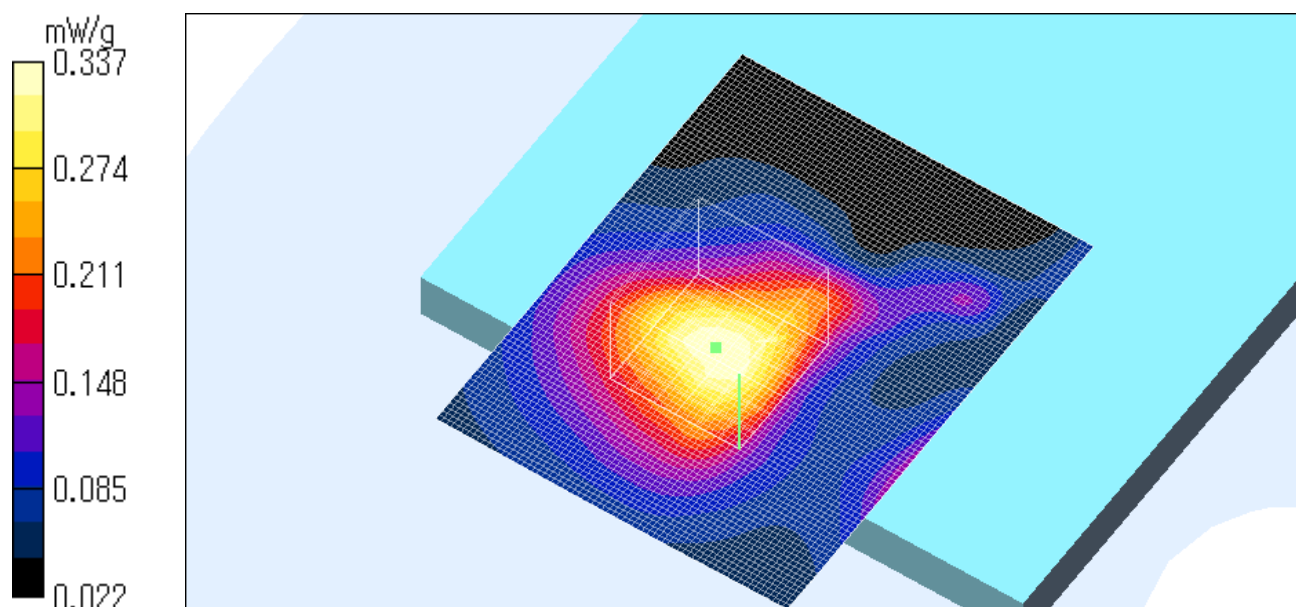
Reference Value = 8.02 V/m

Power Drift = -0.1 dB

Test Date = 06/22/04

Ambient Temperature = 24.8 degree.c

Liquid Temperature = Before 24.8 degree.C , After 24.8 degree.C



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IRF303U / Body / Right Side (EA5800 Antenna 2) / 11.a(QPSK) / 5260MHz

Crest factor: 1

Medium: M5200 ($\sigma = 5.5$ mho/m, $\epsilon_r = 46.7$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.62, 4.62, 4.62); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 1.63 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 3 W/kg

SAR(1 g) = 0.845 mW/g; SAR(10 g) = 0.27 mW/g

Maximum value of SAR = 1.61 mW/g

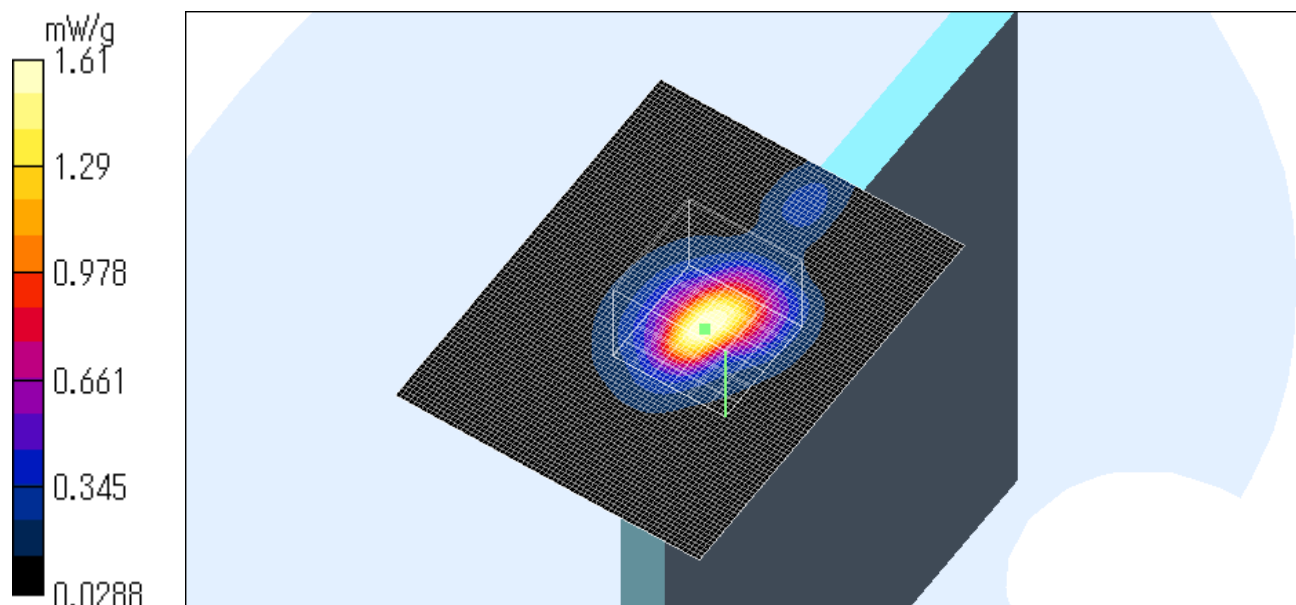
Reference Value = 20.6 V/m

Power Drift = -0.4 dB

Test Date = 06/22/04

Ambient Temperature = 24.8 degree.c

Liquid Temperature = Before 24.7 degree.C , After 24.7 degree.C



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IRF303U / Body / Left Front (EA5800 Antenna 1)/ 11.a (QPSK) / 5180MHz

Crest factor: 1

Medium: M5200 ($\sigma = 5.5$ mho/m, $\epsilon_r = 46.7$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.62, 4.62, 4.62); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.291 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 0.919 W/kg

SAR(1 g) = 0.213 mW/g; SAR(10 g) = 0.0715 mW/g

Maximum value of SAR = 0.433 mW/g

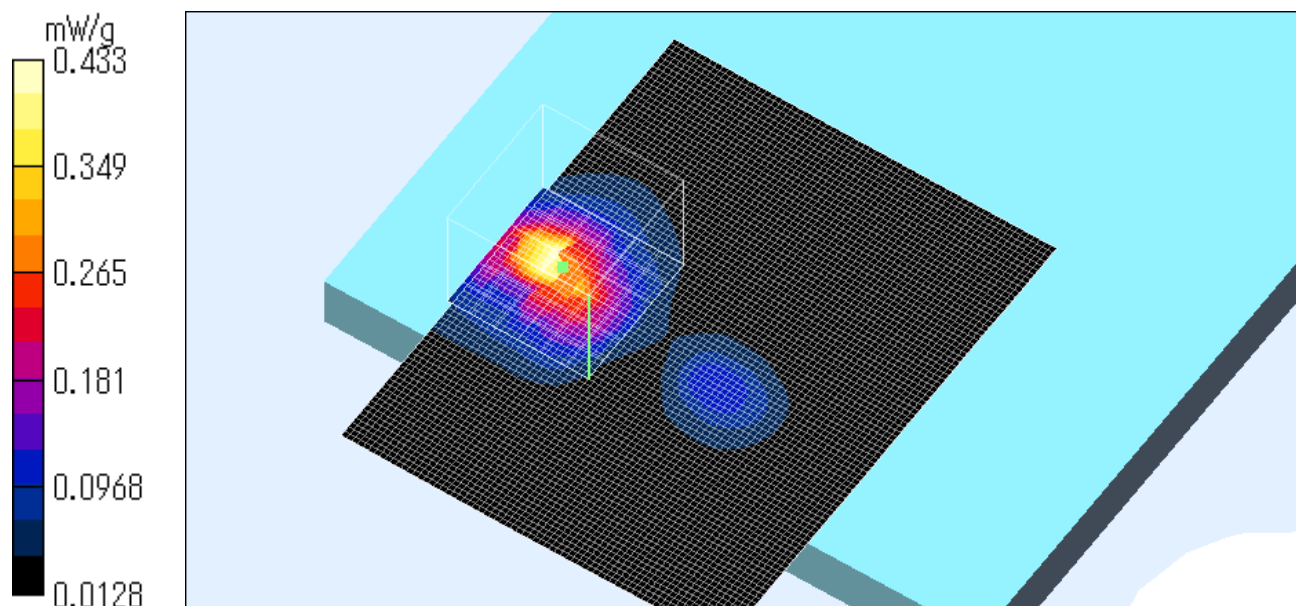
Reference Value = 4.3 V/m

Power Drift = 0.1 dB

Test Date = 06/22/04

Ambient Temperature = 24.8 degree.c

Liquid Temperature = Before 24.8 degree.C , After 24.8 degree.C



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IRF303U / Body / Left Front (EA5800 Antenna 1)/ 11.a (QPSK) / 5320MHz

Crest factor: 1

Medium: M5200 ($\sigma = 5.5$ mho/m, $\epsilon_r = 46.7$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.62, 4.62, 4.62); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 2.08 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 5.8 W/kg

SAR(1 g) = 1.31 mW/g; SAR(10 g) = 0.397 mW/g

Maximum value of SAR = 3.08 mW/g

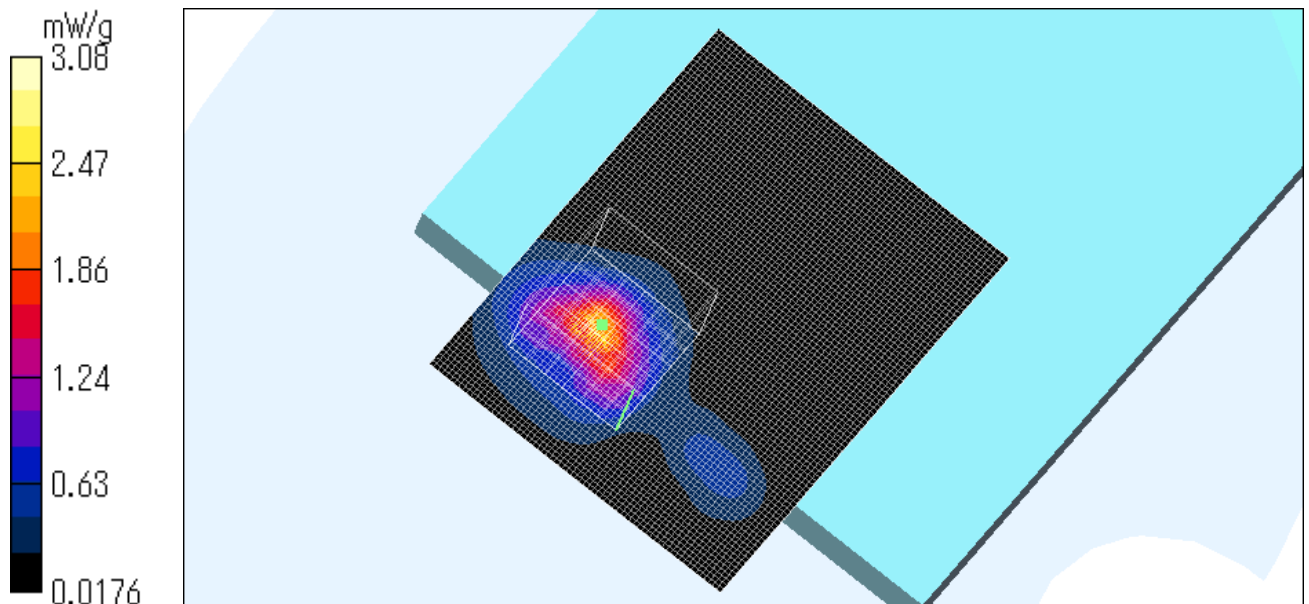
Reference Value = 4.8 V/m

Power Drift = -0.4 dB

Test Date = 06/22/04

Ambient Temperature = 24.8 degree.c

Liquid Temperature = Before 24.8 degree.C , After 24.8 degree.C



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Z-axis at max SAR location (EA5800 Antenna)

IRF303U / Body / Left Front (EA5800 Antenna 1)/ 11.a (QPSK) / 5320MHz

Crest factor: 1

Medium: M5200 ($\sigma = 5.5$ mho/m, $\epsilon_r = 46.7$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

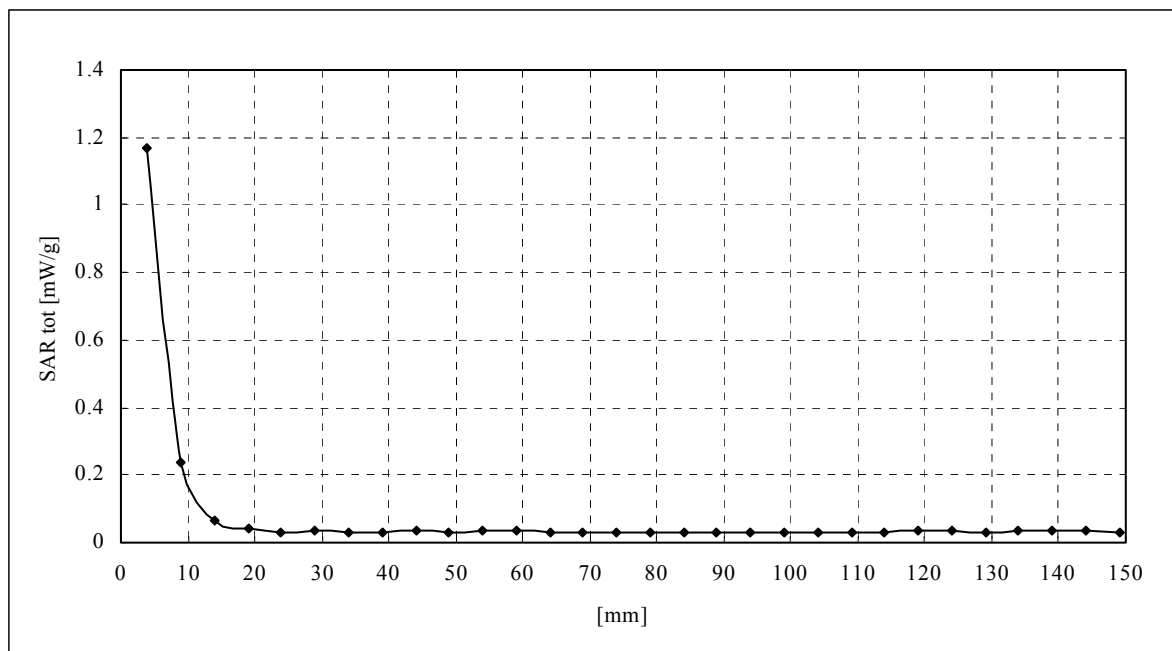
DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.62, 4.62, 4.62); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115



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IRF303U / Body / Right Side (EA5800 Antenna 2) / 11.a (QPSK) / 5180MHz

Crest factor: 1

Medium: M5200 ($\sigma = 5.5$ mho/m, $\epsilon_r = 46.7$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.62, 4.62, 4.62); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.64 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 1.05 W/kg

SAR(1 g) = 0.323 mW/g; SAR(10 g) = 0.112 mW/g

Maximum value of SAR = 0.603 mW/g

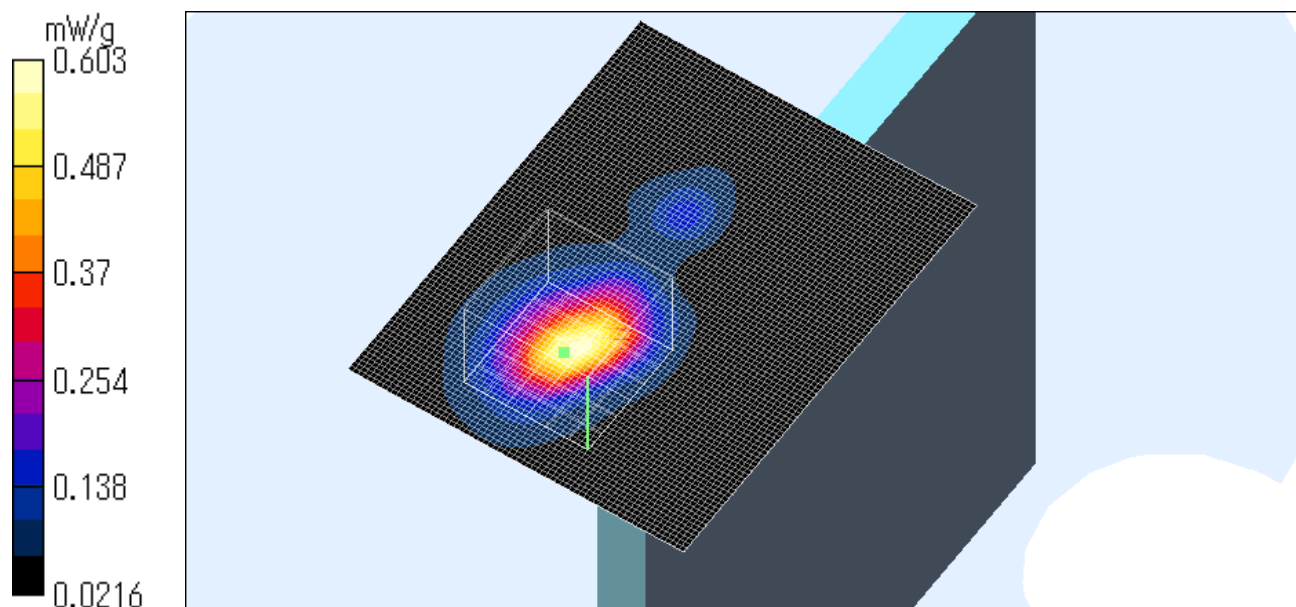
Reference Value = 3.73 V/m

Power Drift = -0.009 dB

Test Date = 06/22/04

Ambient Temperature = 24.8 degree.c

Liquid Temperature = Before 24.8 degree.C , After 24.8 degree.C



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IRF303U / Body / Right Side (EA5800 Antenna 2) / 11.a(QPSK) / 5320MHz

Crest factor: 1

Medium: M5200 ($\sigma = 5.5$ mho/m, $\epsilon_r = 46.7$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.62, 4.62, 4.62); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 1.22 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 1.77 W/kg

SAR(1 g) = 0.483 mW/g; SAR(10 g) = 0.151 mW/g

Maximum value of SAR = 0.938 mW/g

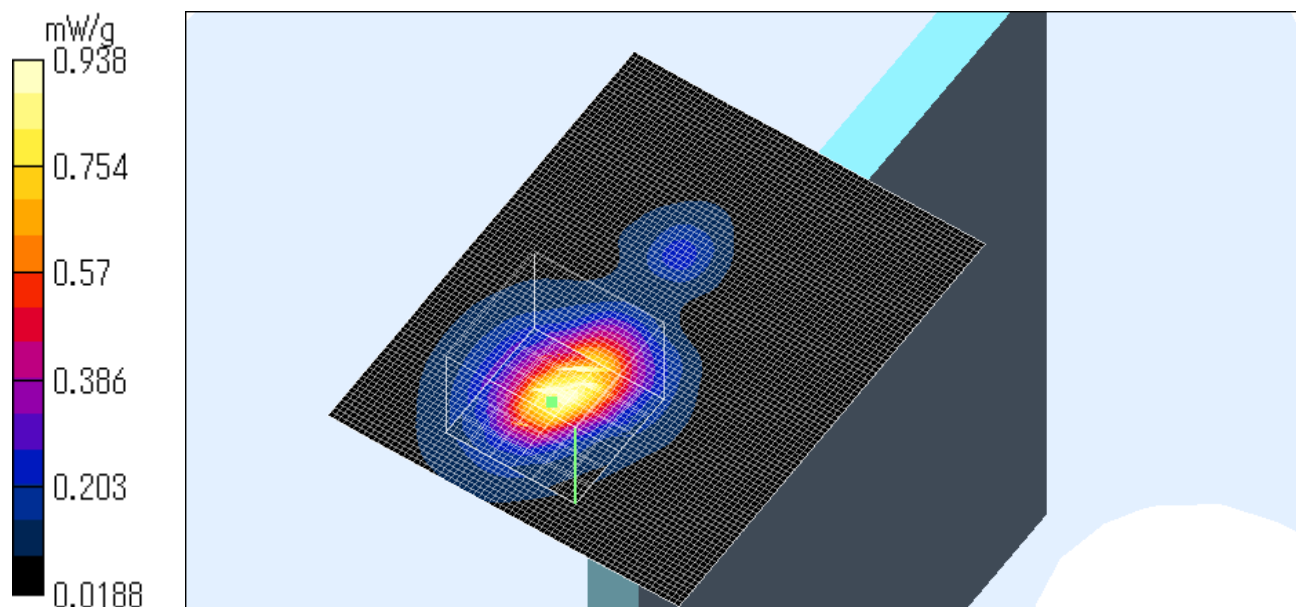
Reference Value = 5.38 V/m

Power Drift = -0.2 dB

Test Date = 06/22/04

Ambient Temperature = 24.8 degree.c

Liquid Temperature = Before 24.8 degree.C , After 24.8 degree.C



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IRF303U / Body / Left Front (EA5800 Antenna 1) 5mm / 11.a (QPSK) / 5320MHz

Crest factor: 1

Medium: M5200 ($\sigma = 5.5$ mho/m, $\epsilon_r = 46.7$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.62, 4.62, 4.62); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.712 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.351 mW/g; SAR(10 g) = 0.129 mW/g

Maximum value of SAR = 0.611 mW/g

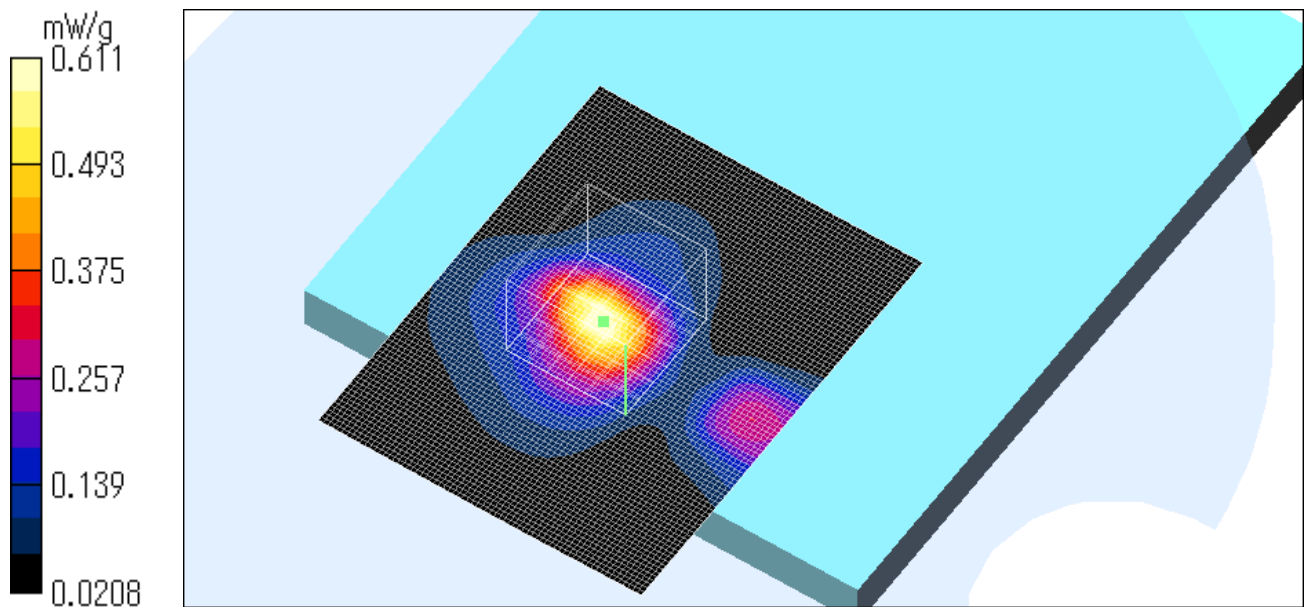
Reference Value = 10.5 V/m

Power Drift = -0.2 dB

Test Date = 06/22/04

Ambient Temperature = 24.8 degree.c

Liquid Temperature = Before 24.7 degree.C , After 24.7 degree.C



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IRF303U / Body / Left Front (EA5800 Antenna 1) 10mm / 11.a (QPSK) / 5320MHz

Crest factor: 1

Medium: M5200 ($\sigma = 5.5$ mho/m, $\epsilon_r = 46.7$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.62, 4.62, 4.62); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.247 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 0.407 W/kg

SAR(1 g) = 0.143 mW/g; SAR(10 g) = 0.0628 mW/g

Maximum value of SAR = 0.24 mW/g

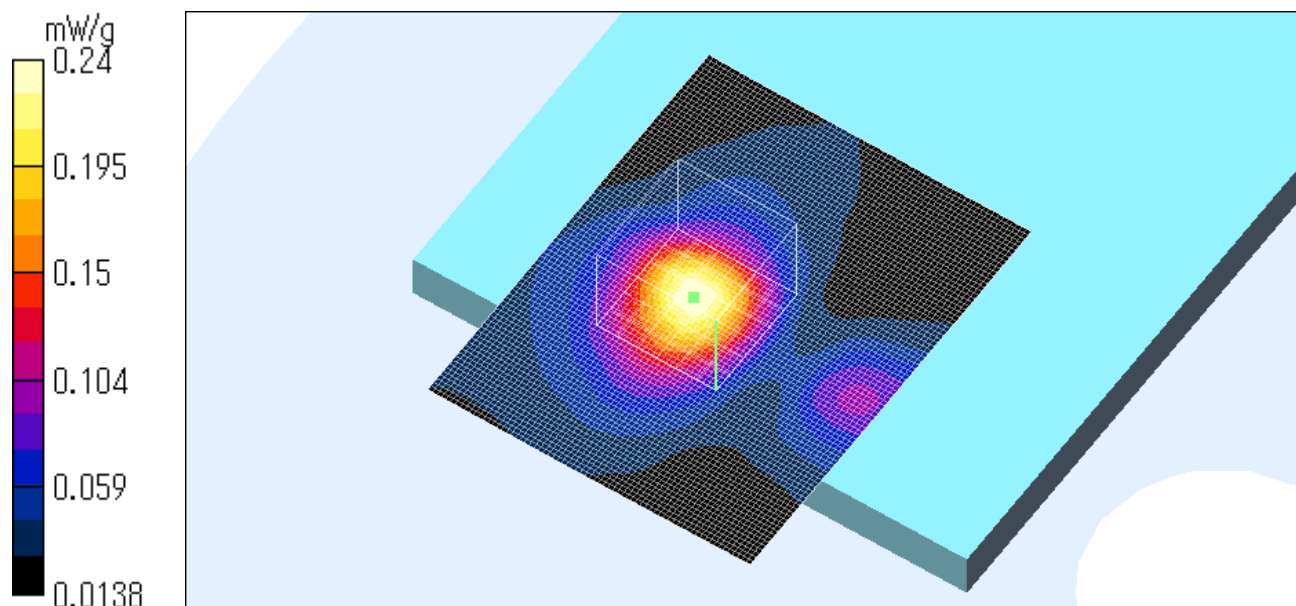
Reference Value = 5.15 V/m

Power Drift = -0.1 dB

Test Date = 06/22/04

Ambient Temperature = 24.8 degree.c

Liquid Temperature = Before 24.8 degree.C , After 24.8 degree.C



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IRF303U / Body / Left Front (EA5800 Antenna 1) 15mm / 11.a (QPSK) / 5320MHz

Crest factor: 1

Medium: M5200 ($\sigma = 5.5$ mho/m, $\epsilon_r = 46.7$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.62, 4.62, 4.62); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.176 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 0.309 W/kg

SAR(1 g) = 0.105 mW/g; SAR(10 g) = 0.0481 mW/g

Maximum value of SAR = 0.176 mW/g

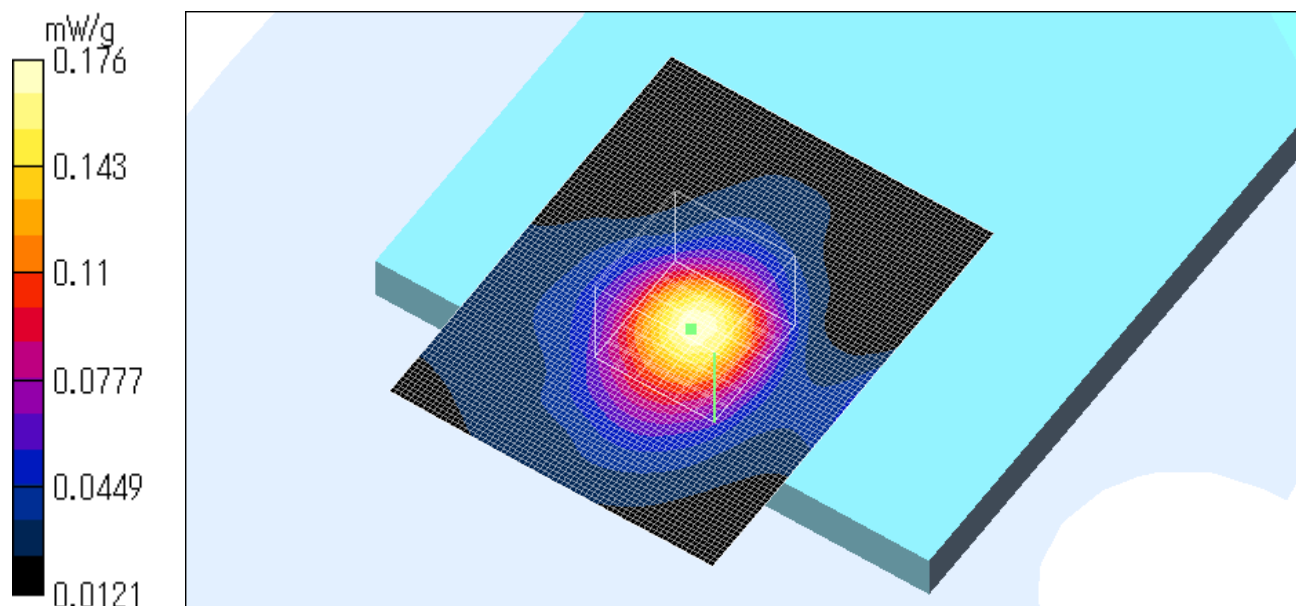
Reference Value = 6.11 V/m

Power Drift = -0.2 dB

Test Date = 06/22/04

Ambient Temperature = 24.8 degree.c

Liquid Temperature = Before 24.8 degree.C , After 24.8 degree.C



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APPENDIX 4 : SAR Measurement data of EA5800 (IEEE 802.11a : 5.725-5.825GHz)

IRF303U / Body / Left Front (EA5800 Antenna 1) / 11.a(64QAM) / 5765MHz

Crest factor: 1

Medium: M5800 ($\sigma = 6.2$ mho/m, $\epsilon_r = 46.1$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.21, 4.21, 4.21); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 1.02 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 2.77 W/kg

SAR(1 g) = 0.567 mW/g; SAR(10 g) = 0.172 mW/g

Maximum value of SAR = 1.23 mW/g

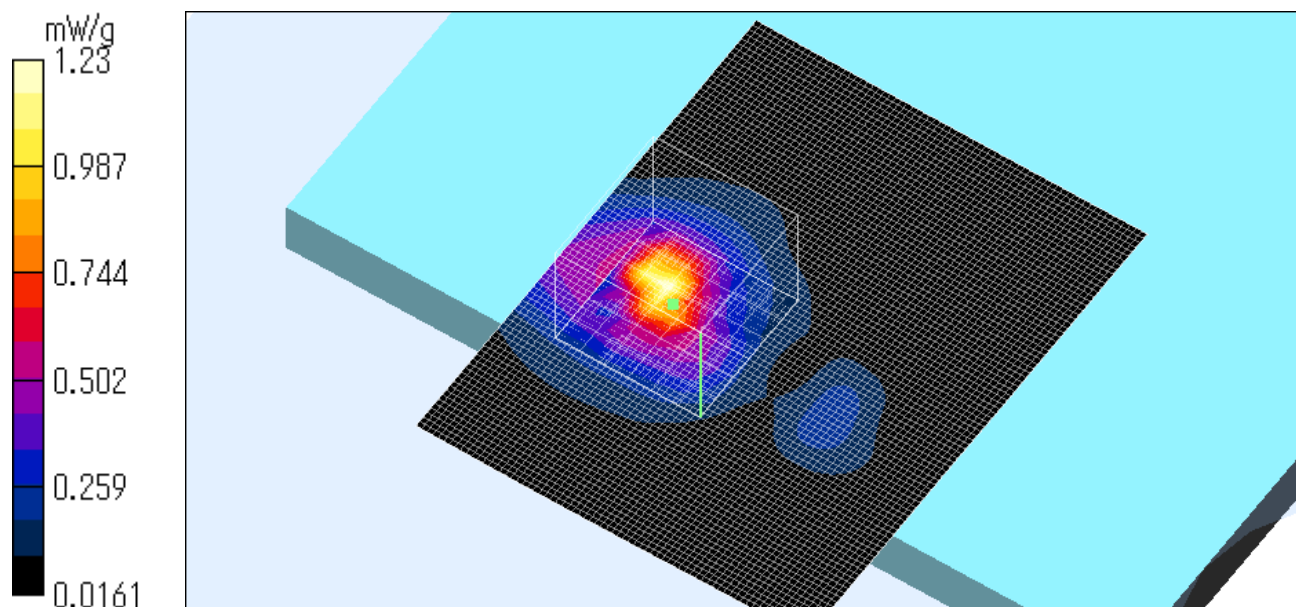
Reference Value = 4.82 V/m

Power Drift = 0.08 dB

Test Date = 06/24/04

Ambient Temperature = 24.8 degree.c

Liquid Temperature = Before 24.6 degree.C , After 24.6 degree.C



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Z-axis at max SAR location (EA5800 Antenna)

IRF303U / Body / Left Front (EA5800 Antenna 1) / 11.a(64QAM) / 5765MHz

Crest factor: 1

Medium: M5800 ($\sigma = 6.2$ mho/m, $\epsilon_r = 46.1$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

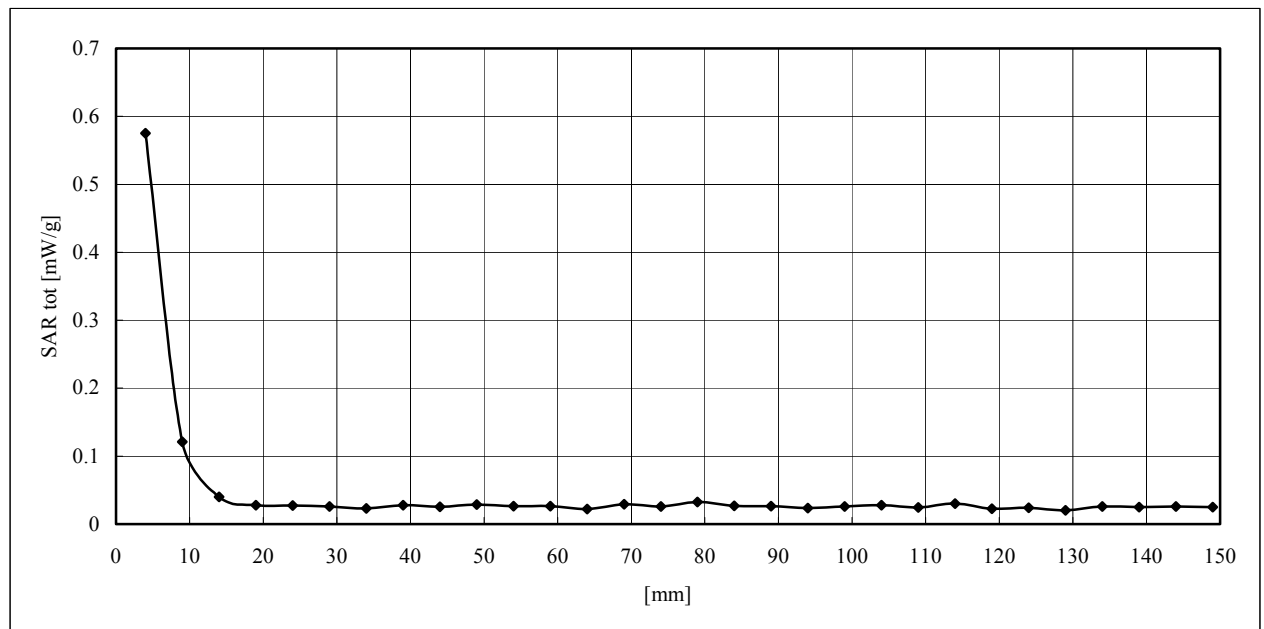
DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.21, 4.21, 4.21); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115



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IRF303U / Body / Left Back (EA5800 Antenna 1) / 11.a(64QAM) / 5765MHz

Crest factor: 1

Medium: M5800 ($\sigma = 6.2$ mho/m, $\epsilon_r = 46.1$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.21, 4.21, 4.21); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.0461 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 0.0844 W/kg

SAR(1 g) = 0.0403 mW/g; SAR(10 g) = 0.0334 mW/g

Maximum value of SAR = 0.0473 mW/g

Zoom Scan (7x7x8)/Cube 1: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 0.0411 W/kg

SAR(1 g) = 0.0303 mW/g; SAR(10 g) = 0.0288 mW/g

Maximum value of SAR = 0.0356 mW/g

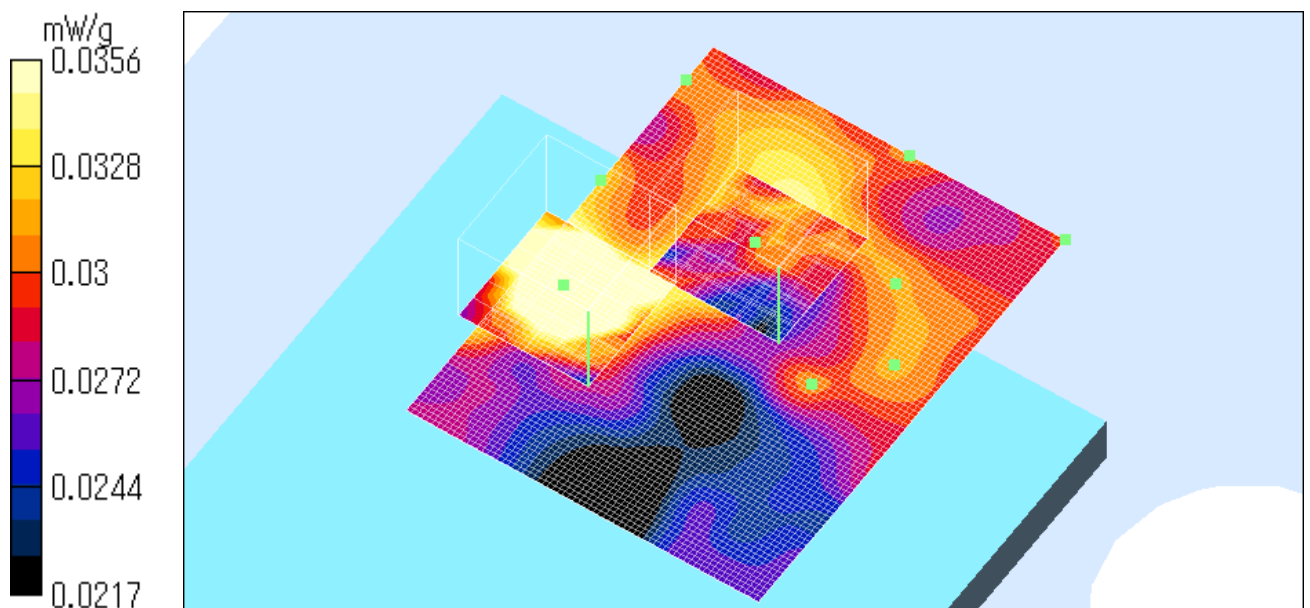
Reference Value = 2.34 V/m

Power Drift = -0.1 dB

Test Date = 06/24/04

Ambient Temperature = 24.8 degree.c

Liquid Temperature = Before 24.6 degree.C , After 24.6 degree.C



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IRF303U / Body / Left Side (EA5800 Antenna 1) / 11.a(64QAM) / 5765MHz

Crest factor: 1

Medium: M5800 ($\sigma = 6.2$ mho/m, $\epsilon_r = 46.1$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.21, 4.21, 4.21); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.379 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 0.828 W/kg

SAR(1 g) = 0.197 mW/g; SAR(10 g) = 0.0758 mW/g

Maximum value of SAR = 0.351 mW/g

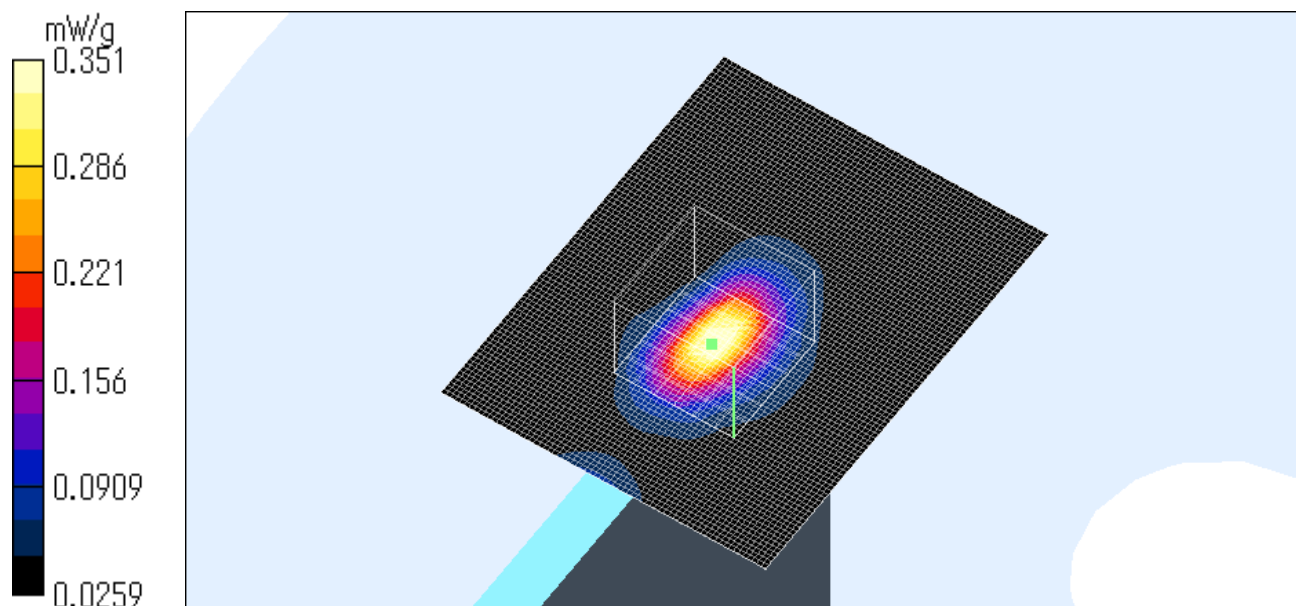
Reference Value = 8.71 V/m

Power Drift = -0.2 dB

Test Date = 06/24/04

Ambient Temperature = 24.8 degree.c

Liquid Temperature = Before 24.7 degree.C , After 24.7 degree.C



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IRF303U / Body / Right Front (EA5800 Antenna 2) / 11.a(64QAM) / 5765MHz

Crest factor: 1

Medium: M5800 ($\sigma = 6.2$ mho/m, $\epsilon_r = 46.1$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.21, 4.21, 4.21); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.382 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 0.752 W/kg

SAR(1 g) = 0.212 mW/g; SAR(10 g) = 0.104 mW/g

Maximum value of SAR = 0.343 mW/g

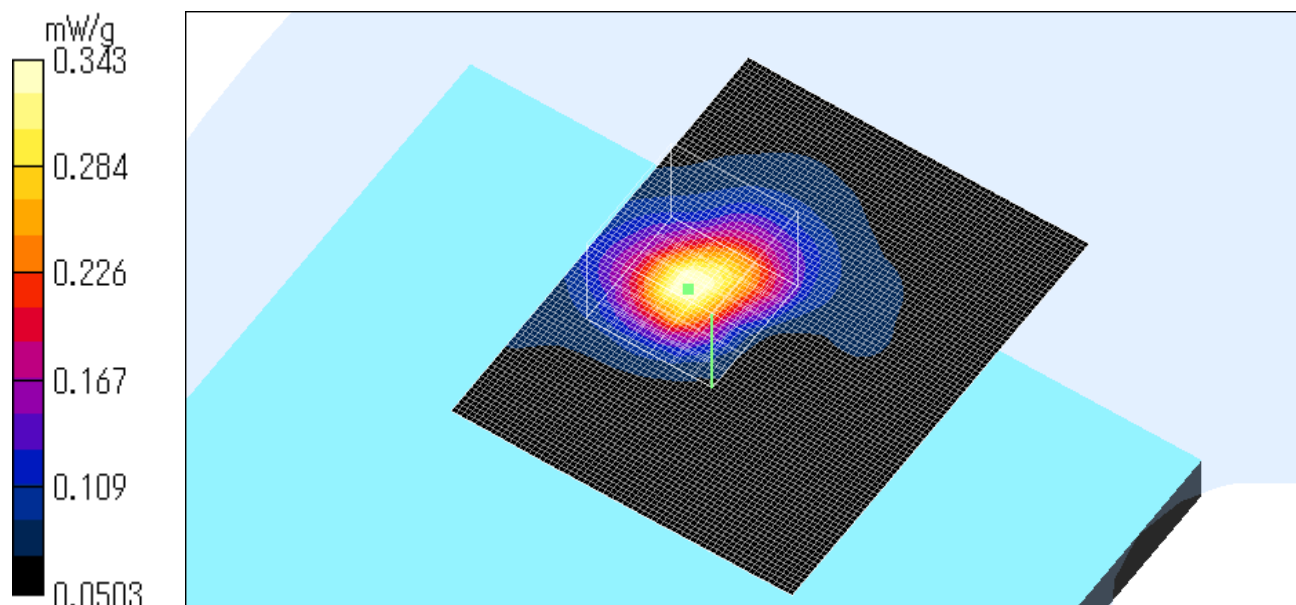
Reference Value = 4.63 V/m

Power Drift = -0.1 dB

Test Date = 06/24/04

Ambient Temperature = 24.8 degree.c

Liquid Temperature = Before 24.8 degree.C , After 24.8 degree.C



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IRF303U / Body / Right Back (EA5800 Antenna 2) / 11.a(64QAM) / 5765MHz

Crest factor: 1

Medium: M5800 ($\sigma = 6.2$ mho/m, $\epsilon_r = 46.1$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.21, 4.21, 4.21); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.104 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 0.344 W/kg

SAR(1 g) = 0.0719 mW/g; SAR(10 g) = 0.0483 mW/g

Maximum value of SAR = 0.0978 mW/g

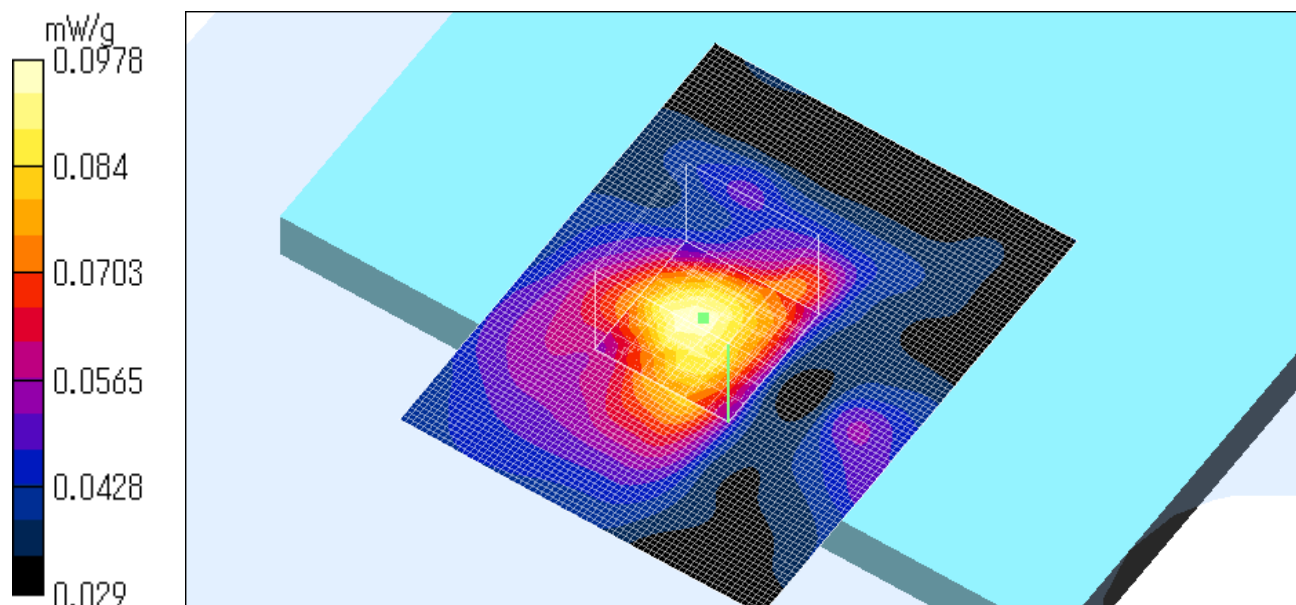
Reference Value = 4.53 V/m

Power Drift = -0.2 dB

Test Date = 06/24/04

Ambient Temperature = 24.8 degree.c

Liquid Temperature = Before 24.8 degree.C , After 24.8 degree.C



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IRF303U / Body / Right Side (EA5800 Antenna 2) / 11.a(64QAM) / 5765MHz

Crest factor: 1

Medium: M5800 ($\sigma = 6.2$ mho/m, $\epsilon_r = 46.1$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.21, 4.21, 4.21); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.584 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 1.52 W/kg

SAR(1 g) = 0.34 mW/g; SAR(10 g) = 0.117 mW/g

Maximum value of SAR = 0.692 mW/g

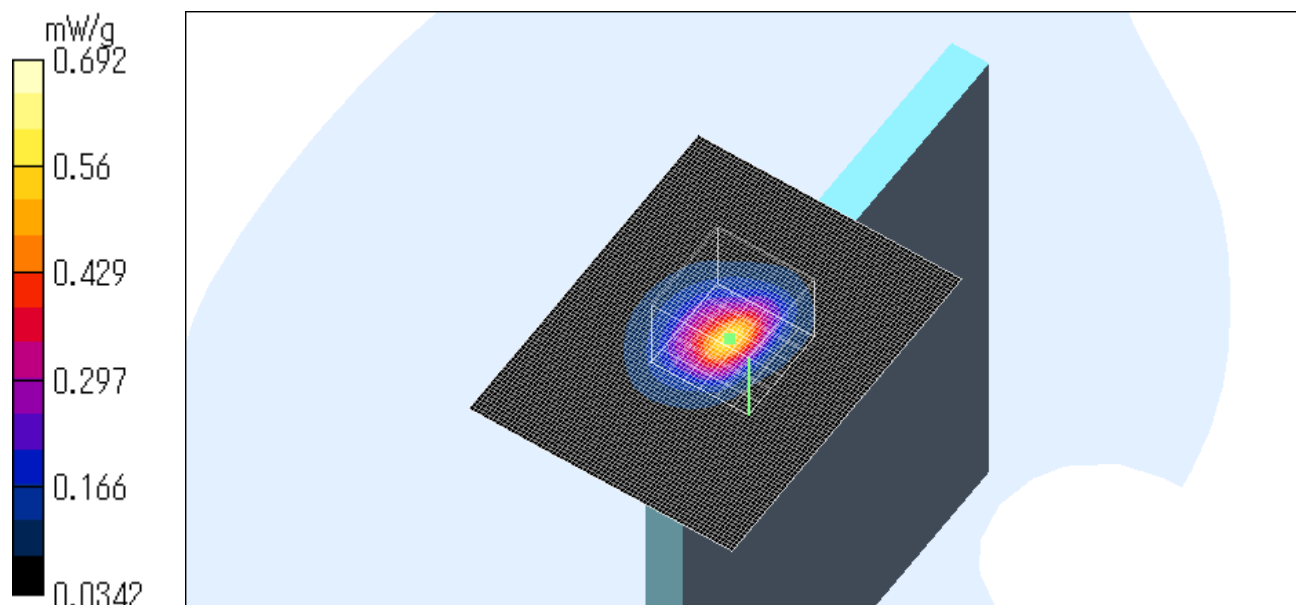
Reference Value = 11.8 V/m

Power Drift = -0.2 dB

Test Date = 06/24/04

Ambient Temperature = 24.8 degree.c

Liquid Temperature = Before 24.8 degree.C , After 24.8 degree.C



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IRF303U / Body / Left Front (EA5800 Antenna 1) / 11.a (64QAM) / 5745MHz

Crest factor: 1

Medium: M5800 ($\sigma = 6.2$ mho/m, $\epsilon_r = 46.1$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.21, 4.21, 4.21); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.723 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 2.46 W/kg

SAR(1 g) = 0.479 mW/g; SAR(10 g) = 0.14 mW/g

Maximum value of SAR = 1 mW/g

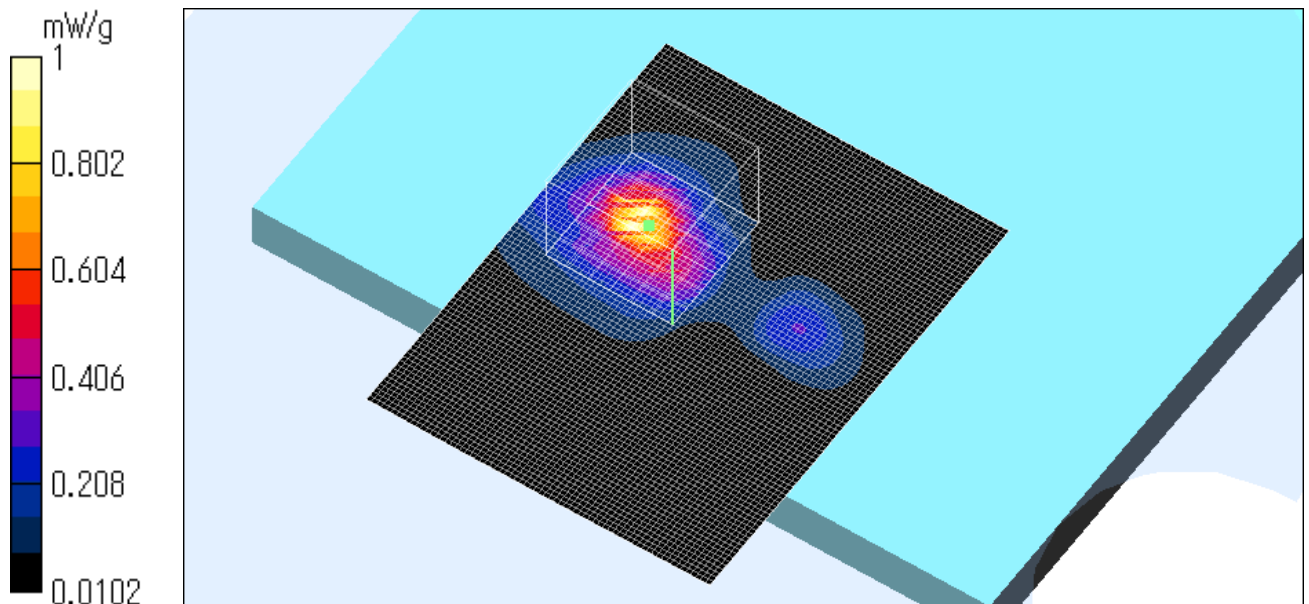
Reference Value = 6.35 V/m

Power Drift = -0.1 dB

Test Date = 06/24/04

Ambient Temperature = 24.8 degree.c

Liquid Temperature = Before 24.8 degree.C , After 24.8 degree.C



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IRF303U / Body / Right Front (EA5800 Antenna 2) / 11.a(64QAM) / 5805MHz

Crest factor: 1

Medium: M5800 ($\sigma = 6.2$ mho/m, $\epsilon_r = 46.1$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.21, 4.21, 4.21); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.594 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 1.85 W/kg

SAR(1 g) = 0.375 mW/g; SAR(10 g) = 0.11 mW/g

Maximum value of SAR = 0.78 mW/g

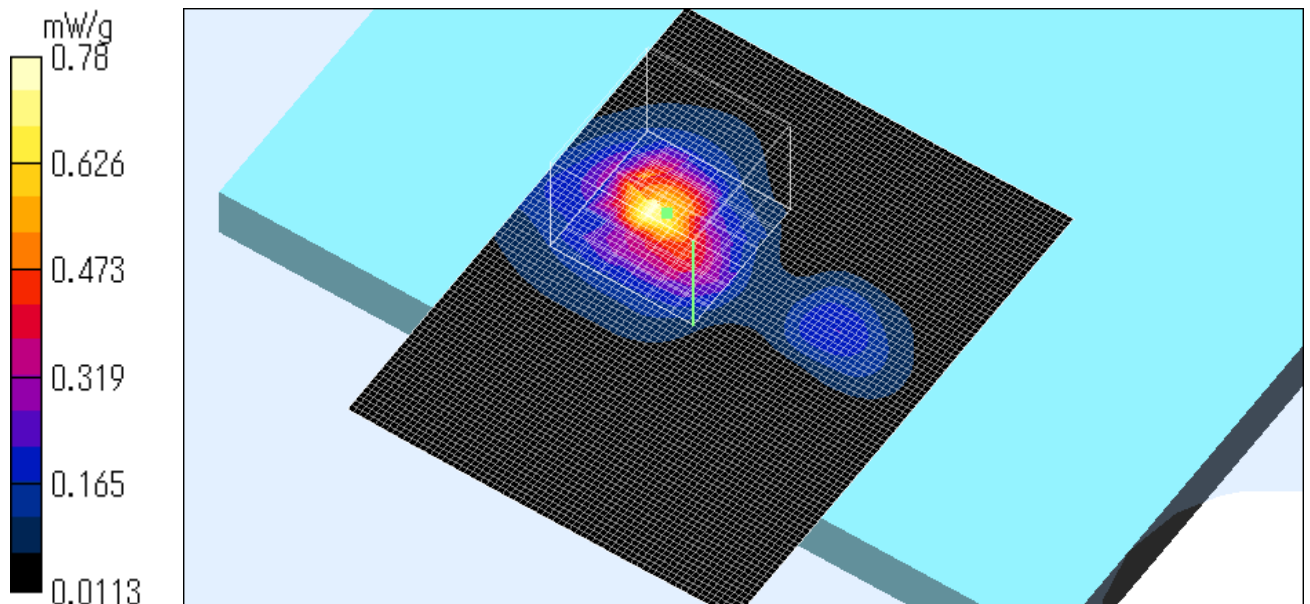
Reference Value = 6.09 V/m

Power Drift = -0.2 dB

Test Date = 06/24/04

Ambient Temperature = 24.8 degree.c

Liquid Temperature = Before 24.8 degree.C , After 24.8 degree.C



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IRF303U / Body / Left Front (EA5800 Antenna 1) / 11.a(QPSK) / 5765MHz

Crest factor: 1

Medium: M5800 ($\sigma = 6.2$ mho/m, $\epsilon_r = 46.1$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.21, 4.21, 4.21); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.808 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 2.28 W/kg

SAR(1 g) = 0.467 mW/g; SAR(10 g) = 0.144 mW/g

Maximum value of SAR = 0.992 mW/g

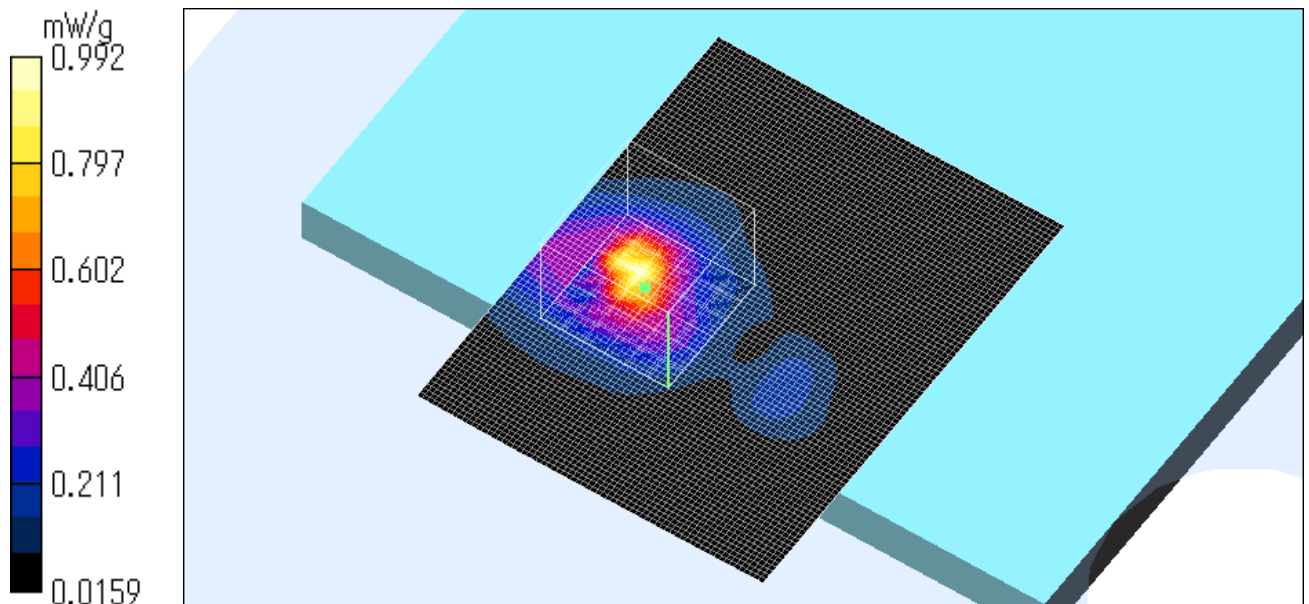
Reference Value = 5.08 V/m

Power Drift = -0.1 dB

Test Date = 06/24/04

Ambient Temperature = 24.8 degree.c

Liquid Temperature = Before 24.5 degree.C , After 24.5 degree.C



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IRF303U / Body / Left Back (EA5800 Antenna 1) / 11.a(QPSK) / 5765MHz

Crest factor: 1

Medium: M5800 ($\sigma = 6.2$ mho/m, $\epsilon_r = 46.1$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.21, 4.21, 4.21); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.0483 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 0.0851 W/kg

SAR(1 g) = 0.0413 mW/g; SAR(10 g) = 0.033 mW/g

Maximum value of SAR = 0.0514 mW/g

Zoom Scan (7x7x8)/Cube 1: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 0.0565 W/kg

SAR(1 g) = 0.0336 mW/g; SAR(10 g) = 0.0316 mW/g

Maximum value of SAR = 0.0391 mW/g

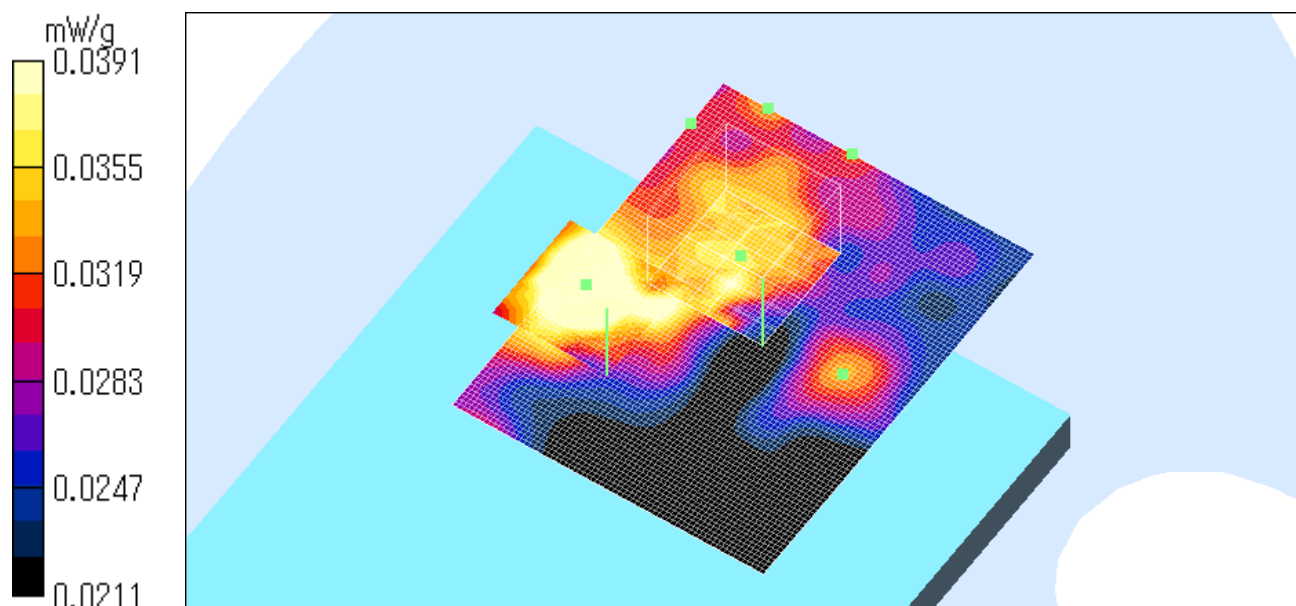
Reference Value = 2.13 V/m

Power Drift = -0.1 dB

Test Date = 06/24/04

Ambient Temperature = 24.8 degree.C

Liquid Temperature = Before 24.5 degree.C , After 24.5 degree.C



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IRF303U / Body / Left Side (EA5800 Antenna 1) / 11.a(QPSK) / 5765MHz

Crest factor: 1

Medium: M5800 ($\sigma = 6.2$ mho/m, $\epsilon_r = 46.1$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.21, 4.21, 4.21); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.401 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 0.891 W/kg

SAR(1 g) = 0.2 mW/g; SAR(10 g) = 0.0786 mW/g

Maximum value of SAR = 0.354 mW/g

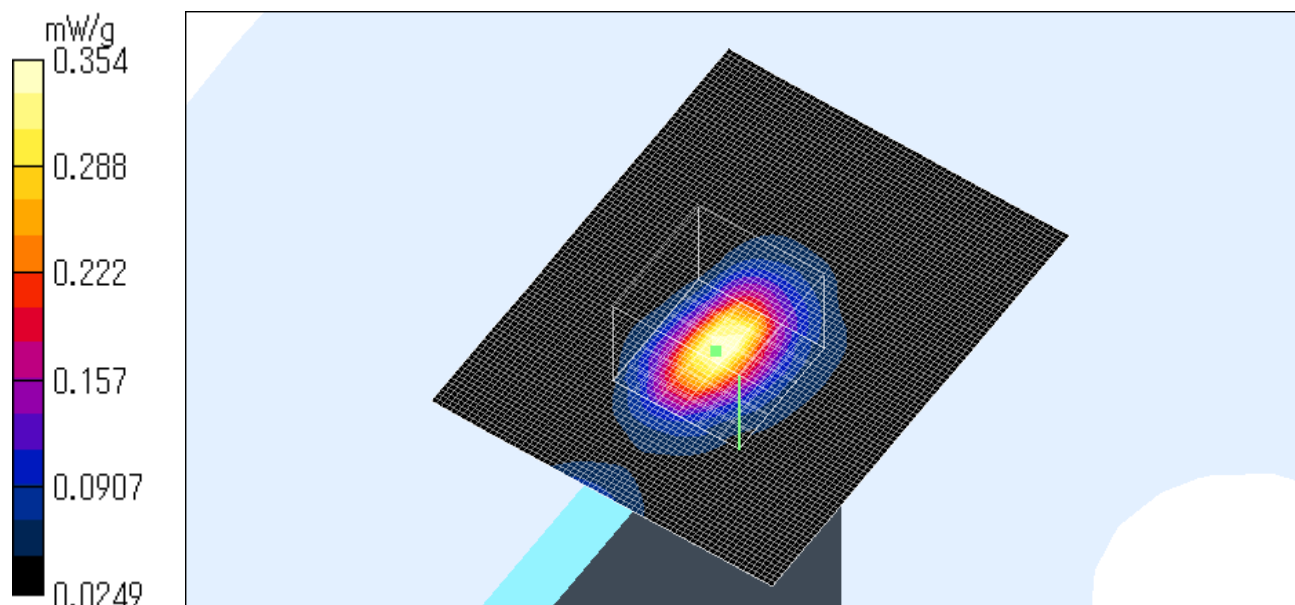
Reference Value = 8.8 V/m

Power Drift = -0.4 dB

Test Date = 06/24/04

Ambient Temperature = 24.8 degree.c

Liquid Temperature = Before 24.5 degree.C , After 24.5 degree.C



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IRF303U / Body / Right Front (EA5800 Antenna 2) / 11.a(QPSK) / 5765MHz

Crest factor: 1

Medium: M5800 ($\sigma = 6.2$ mho/m, $\epsilon_r = 46.1$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.21, 4.21, 4.21); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.4 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 0.725 W/kg

SAR(1 g) = 0.209 mW/g; SAR(10 g) = 0.0921 mW/g

Maximum value of SAR = 0.357 mW/g

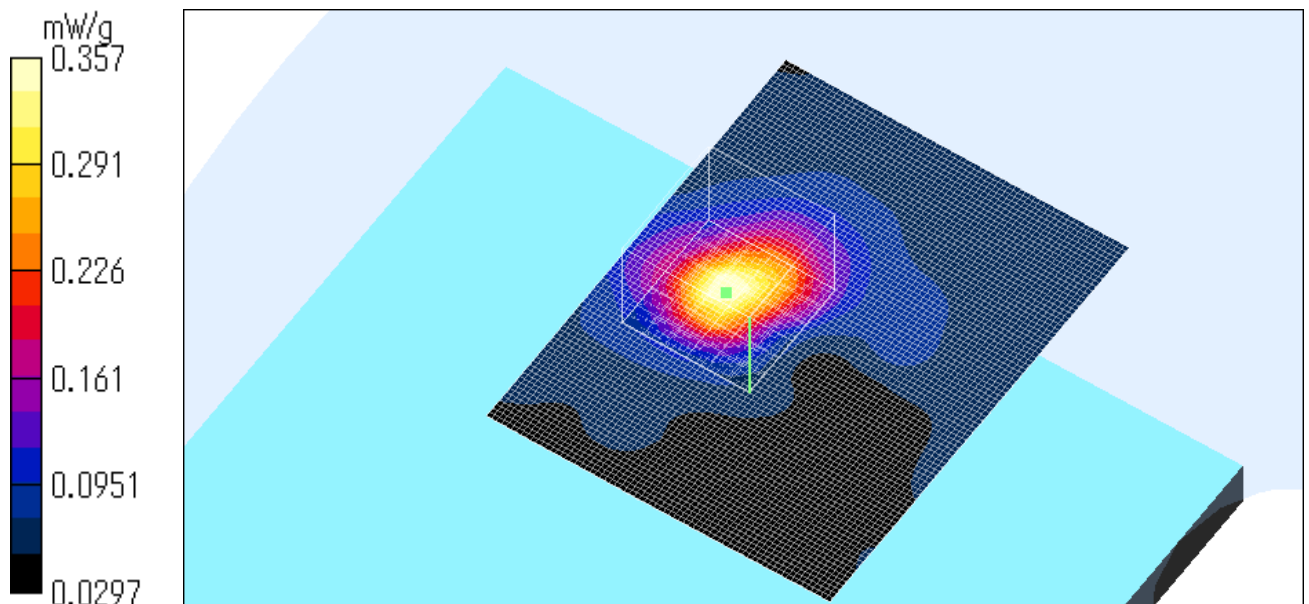
Reference Value = 4.77 V/m

Power Drift = -0.2 dB

Test Date = 06/24/04

Ambient Temperature = 24.8 degree.c

Liquid Temperature = Before 24.7 degree.C , After 24.7degree.C



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IRF303U / Body / Right Back (EA5800 Antenna 2) / 11.a(QPSK) / 5765MHz

Crest factor: 1

Medium: M5800 ($\sigma = 6.2$ mho/m, $\epsilon_r = 46.1$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.21, 4.21, 4.21); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.108 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 0.242 W/kg

SAR(1 g) = 0.0751 mW/g; SAR(10 g) = 0.0482 mW/g

Maximum value of SAR = 0.107 mW/g

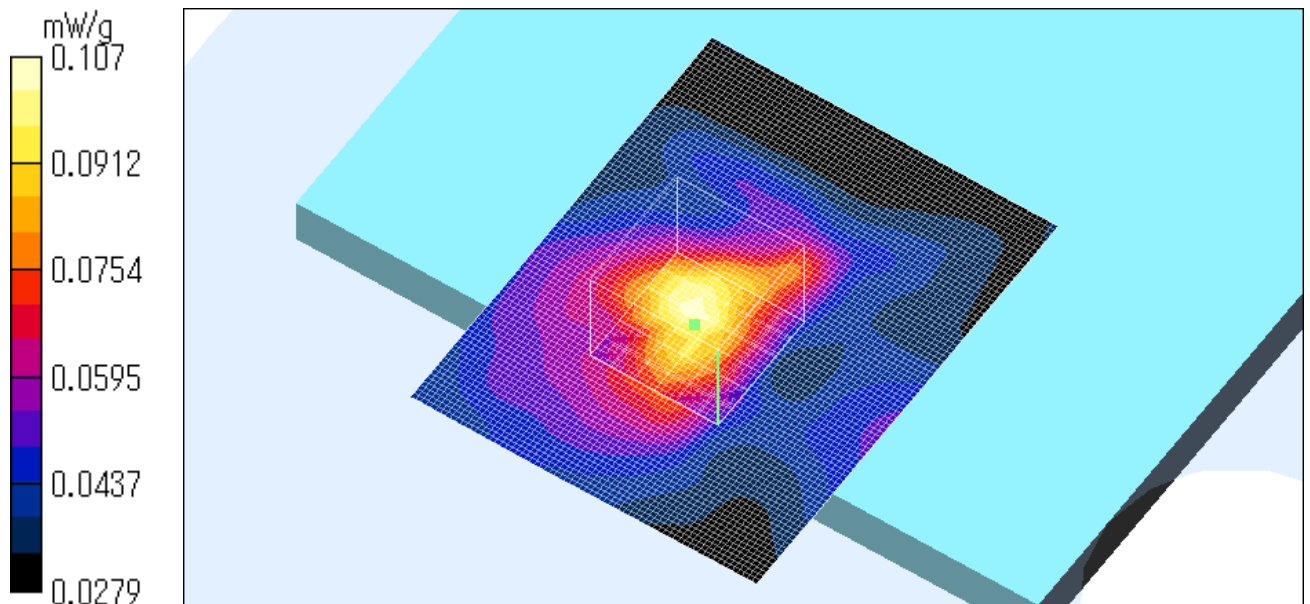
Reference Value = 4.7 V/m

Power Drift = -0.09 dB

Test Date = 06/24/04

Ambient Temperature = 24.8 degree.c

Liquid Temperature = Before 24.7 degree.C , After 24.7 degree.C



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IRF303U / Body / Right Side (EA5800 Antenna 2) / 11.a(QPSK) / 5765MHz

Crest factor: 1

Medium: M5800 ($\sigma = 6.2$ mho/m, $\epsilon_r = 46.1$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.21, 4.21, 4.21); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.428 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.236 mW/g; SAR(10 g) = 0.0889 mW/g

Maximum value of SAR = 0.466 mW/g

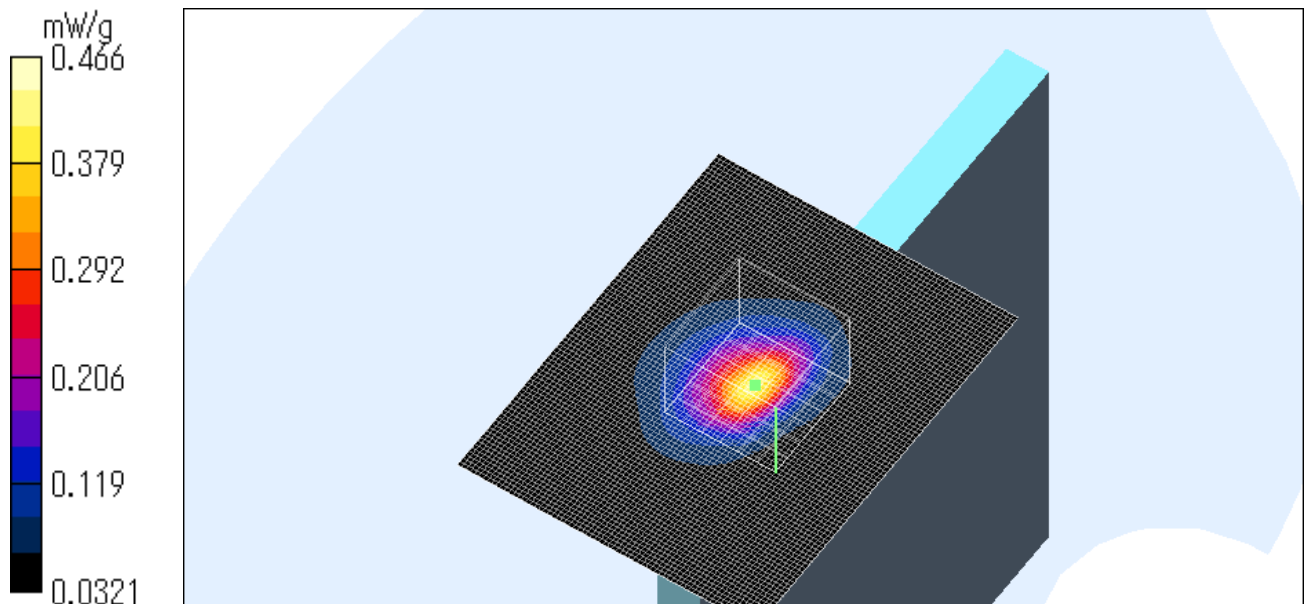
Reference Value = 11.5 V/m

Power Drift = -0.2 dB

Test Date = 06/24/04

Ambient Temperature = 24.8 degree.c

Liquid Temperature = Before 24.7degree.C , After 24.7 degree.C



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IRF303U / Body / Left Front (EA5800 Antenna 1) / 11.a (QPSK) / 5745MHz

Crest factor: 1

Medium: M5800 ($\sigma = 6.2$ mho/m, $\epsilon_r = 46.1$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.21, 4.21, 4.21); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.717 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 2.3 W/kg

SAR(1 g) = 0.443 mW/g; SAR(10 g) = 0.132 mW/g

Maximum value of SAR = 1.01 mW/g

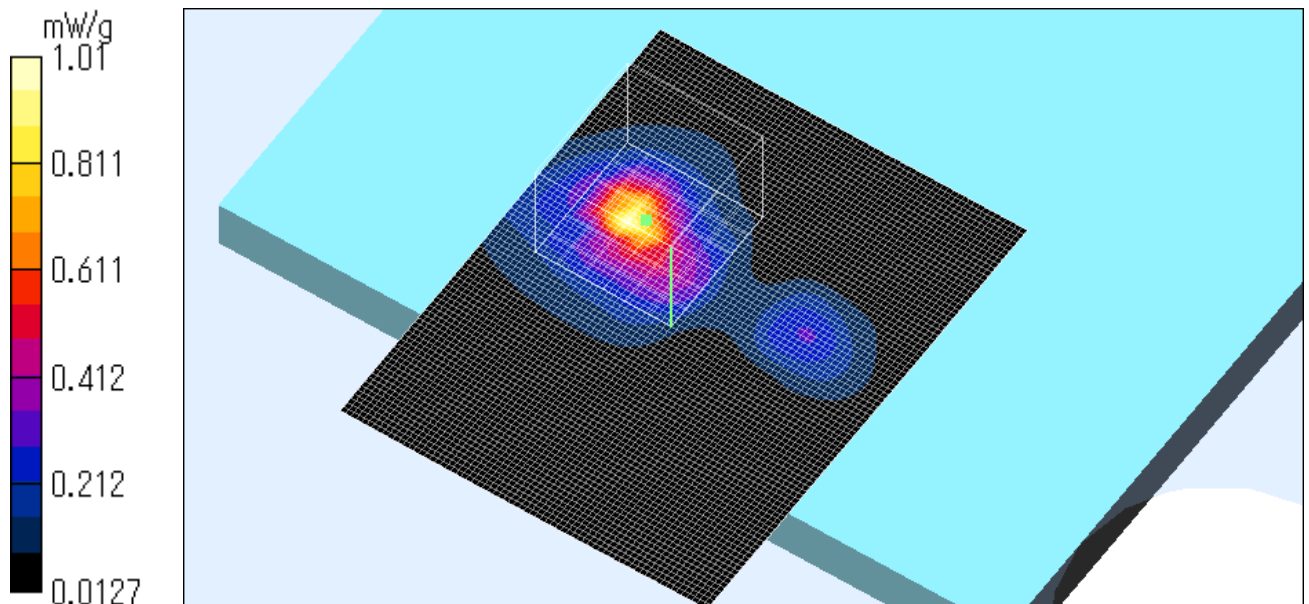
Reference Value = 6.44 V/m

Power Drift = -0.01 dB

Test Date = 06/24/04

Ambient Temperature = 24.8 degree.c

Liquid Temperature = Before 24.8 degree.C , After 24.8 degree.C



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IRF303U / Body / Left Front (EA5800 Antenna 1) / 11.a(QPSK) / 5805MHz

Crest factor: 1

Medium: M5800 ($\sigma = 6.2$ mho/m, $\epsilon_r = 46.1$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.21, 4.21, 4.21); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.624 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 2.03 W/kg

SAR(1 g) = 0.405 mW/g; SAR(10 g) = 0.119 mW/g

Maximum value of SAR = 0.84 mW/g

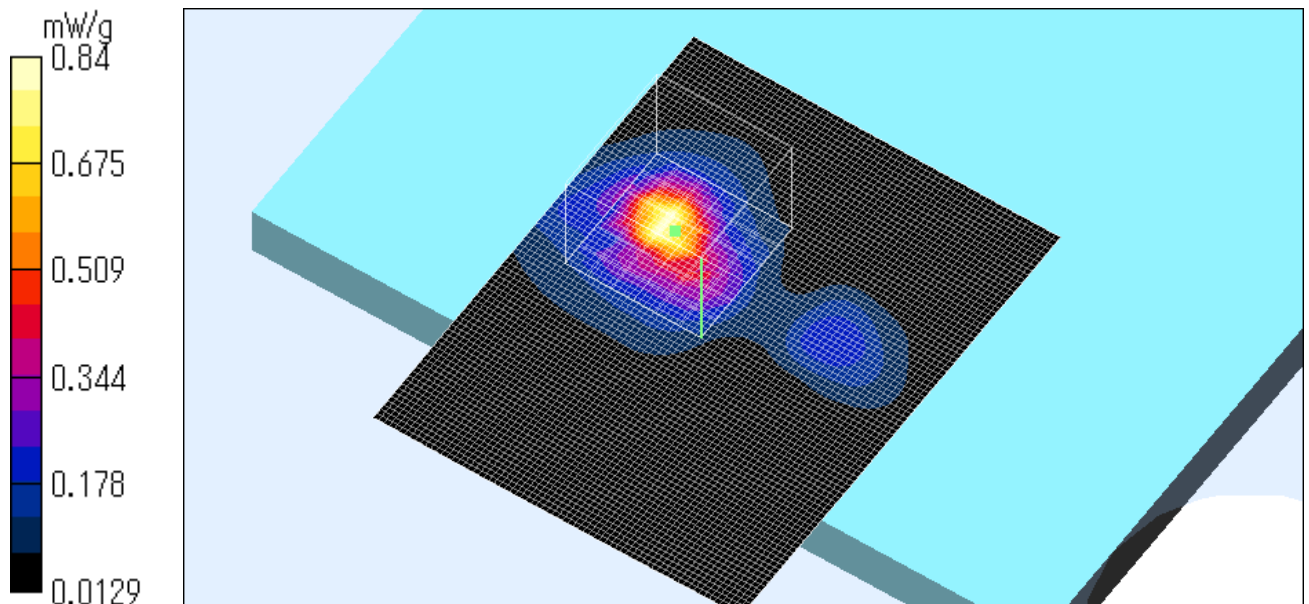
Reference Value = 6.2 V/m

Power Drift = -0.4 dB

Test Date = 06/24/04

Ambient Temperature = 24.8 degree.c

Liquid Temperature = Before 24.8 degree.C , After 24.8 degree.C



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APPENDIX 5 : SAR Measurement data of HFT18 (IEEE 802.11b / g : 2.4GHz)

IRF303U / Body / Left Front (HFT18 Antenna 1) / 11.b / 2437MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.96$ mho/m, $\epsilon_r = 50.2$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.79 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 1.64 W/kg

SAR(1 g) = 0.672 mW/g; SAR(10 g) = 0.285 mW/g

Maximum value of SAR = 0.728 mW/g

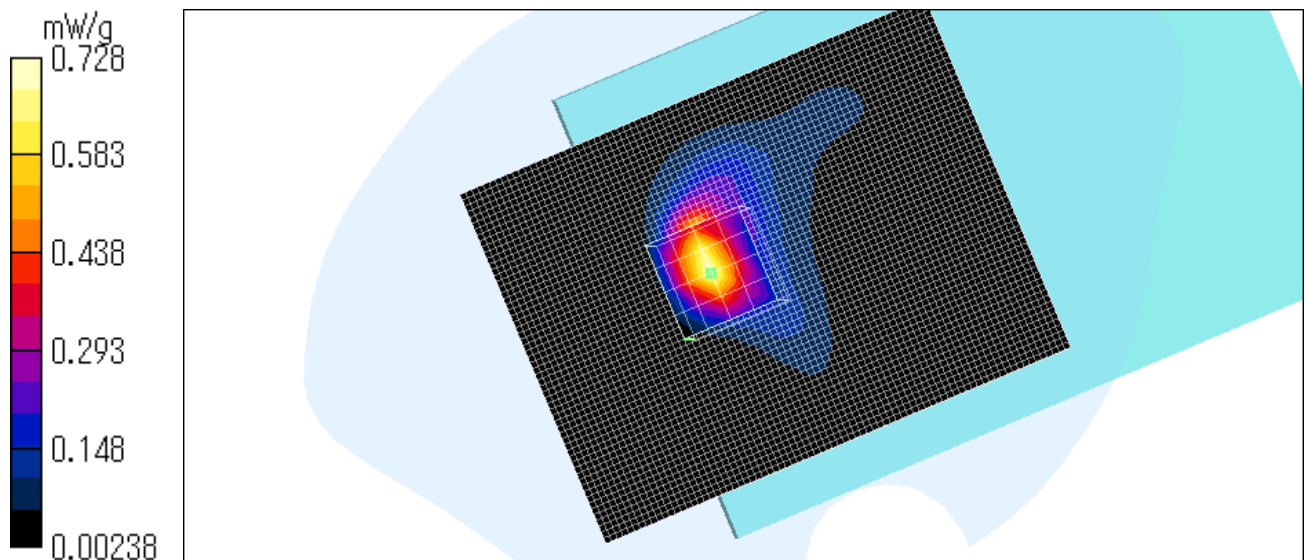
Reference Value = 9.57 V/m

Power Drift = -0.4 dB

Test Date = 06/16/04

Ambient Temperature = 23.5 degree.c

Liquid Temperature = Before 23.2 degree.C , After 23.2 degree.C



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IRF303U / Body / Left Back (HFT18Antenna 1) / 11.b / 2437MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.96$ mho/m, $\epsilon_r = 50.2$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.0986 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 0.176 W/kg

SAR(1 g) = 0.0874 mW/g; SAR(10 g) = 0.0488 mW/g

Maximum value of SAR = 0.0887 mW/g

Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 0.133 W/kg

SAR(1 g) = 0.0726 mW/g; SAR(10 g) = 0.043 mW/g

Maximum value of SAR = 0.0758 mW/g

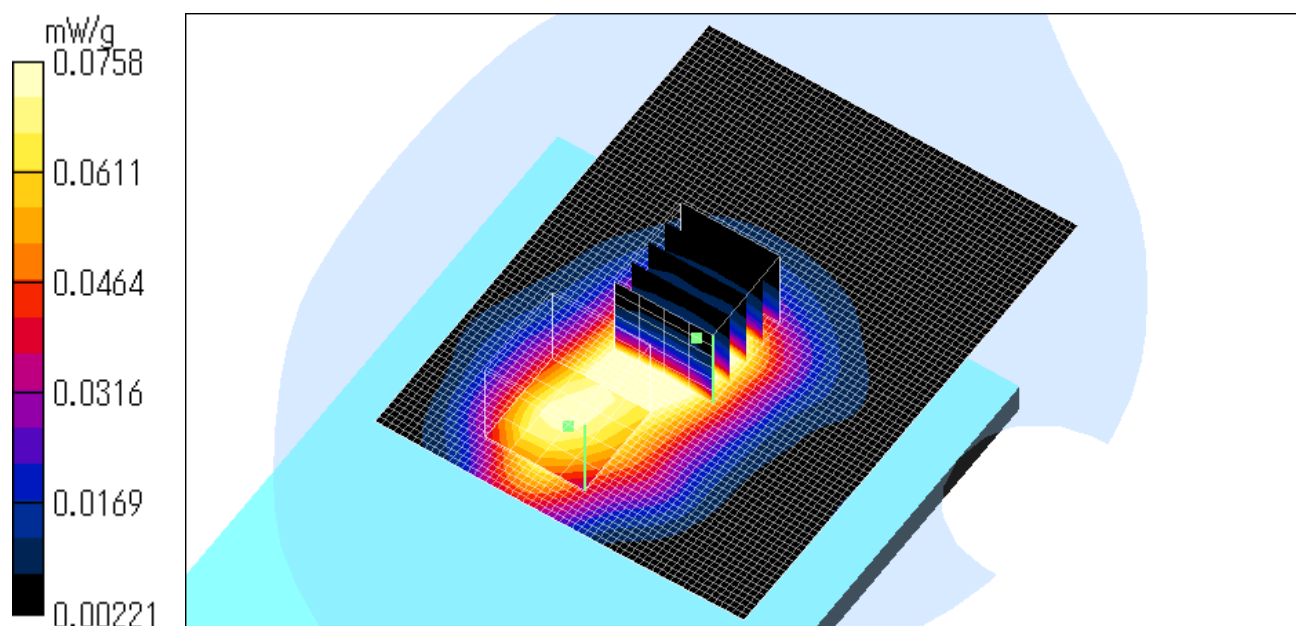
Reference Value = 7.02 V/m

Power Drift = -0.1 dB

Test Date = 06/16/04

Ambient Temperature = 23.5 degree.c

Liquid Temperature = Before 23.0 degree.C , After 23.0 degree.C



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IRF303U / Body / Left Side (HFT18Antenna 1) / 11.b / 2437MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.96$ mho/m, $\epsilon_r = 50.2$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.188 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 0.429 W/kg

SAR(1 g) = 0.176 mW/g; SAR(10 g) = 0.0785 mW/g

Maximum value of SAR = 0.176 mW/g

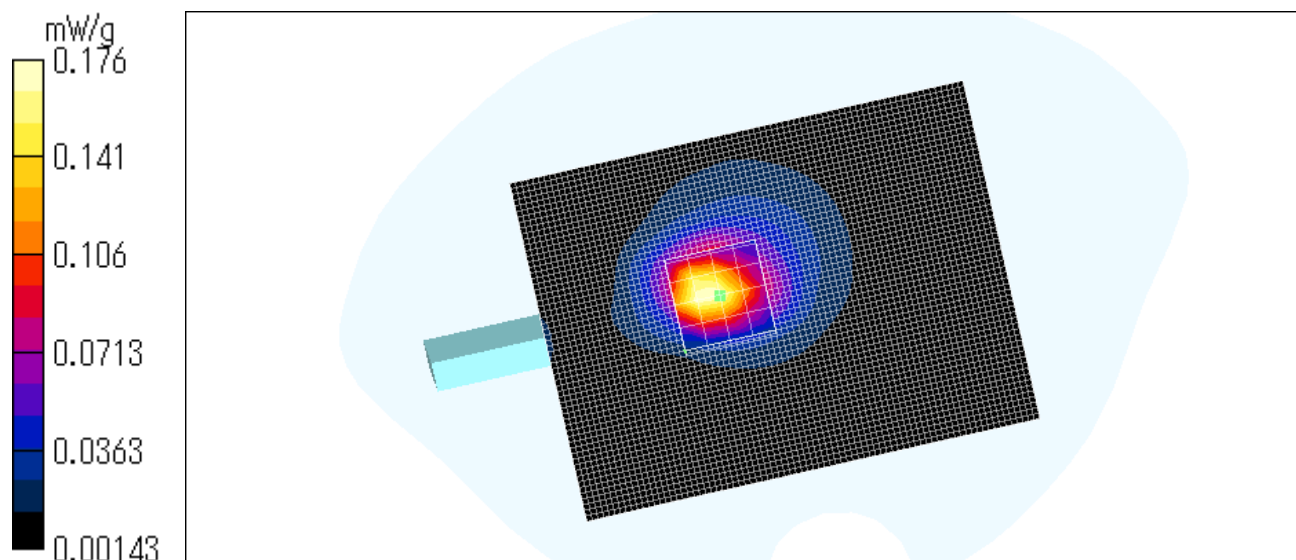
Reference Value = 7.18 V/m

Power Drift = -0.2 dB

Test Date = 06/16/04

Ambient Temperature = 23.5 degree.c

Liquid Temperature = Before 23.2 degree.C , After 23.2 degree.C



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IRF303U / Body / Right Front (HFT18 Antenna 2) / 11.b / 2437MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.96$ mho/m, $\epsilon_r = 50.2$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.775 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 1.35 W/kg

SAR(1 g) = 0.575 mW/g; SAR(10 g) = 0.26 mW/g

Maximum value of SAR = 0.616 mW/g

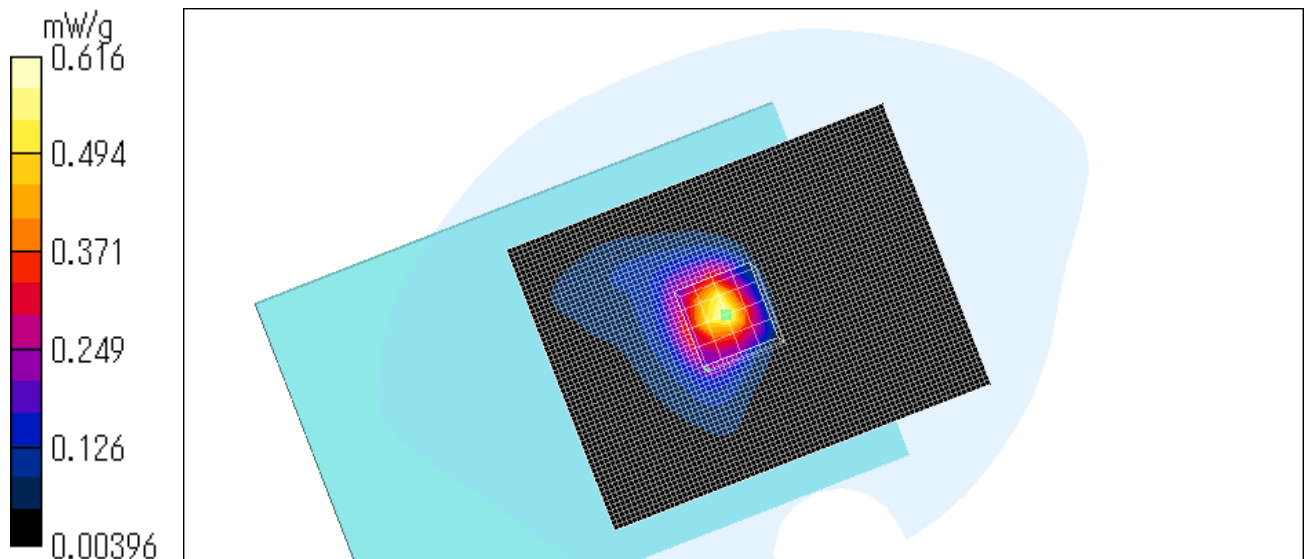
Reference Value = 18.1 V/m

Power Drift = -0.3 dB

Test Date = 06/16/04

Ambient Temperature = 23.5 degree.c

Liquid Temperature = Before 23.2 degree.C , After 23.2 degree.C



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IRF303U / Body / Right Back (HFT18 Antenna 2) / 11.b / 2437MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.98$ mho/m, $\epsilon_r = 50.2$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.114 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 0.198 W/kg

SAR(1 g) = 0.0985 mW/g; SAR(10 g) = 0.0529 mW/g

Maximum value of SAR = 0.105 mW/g

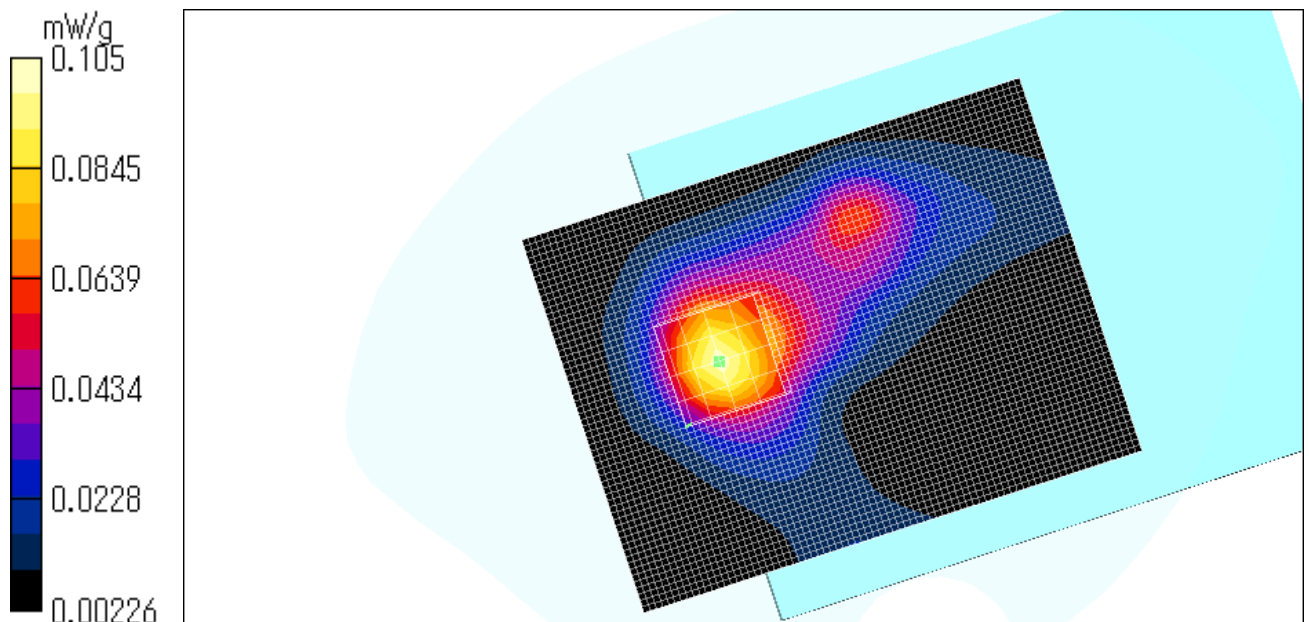
Reference Value = 4.49 V/m

Power Drift = -0.2 dB

Test Date = 06/17/04

Ambient Temperature = 23.6 degree.c

Liquid Temperature = Before 23.3 degree.C , After 23.3 degree.C



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IRF303U / Body / Right Side (HFT18 Antenna 2) / 11.b / 2437MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.98$ mho/m, $\epsilon_r = 50.2$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.286 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 0.905 W/kg

SAR(1 g) = 0.382 mW/g; SAR(10 g) = 0.166 mW/g

Maximum value of SAR = 0.43 mW/g

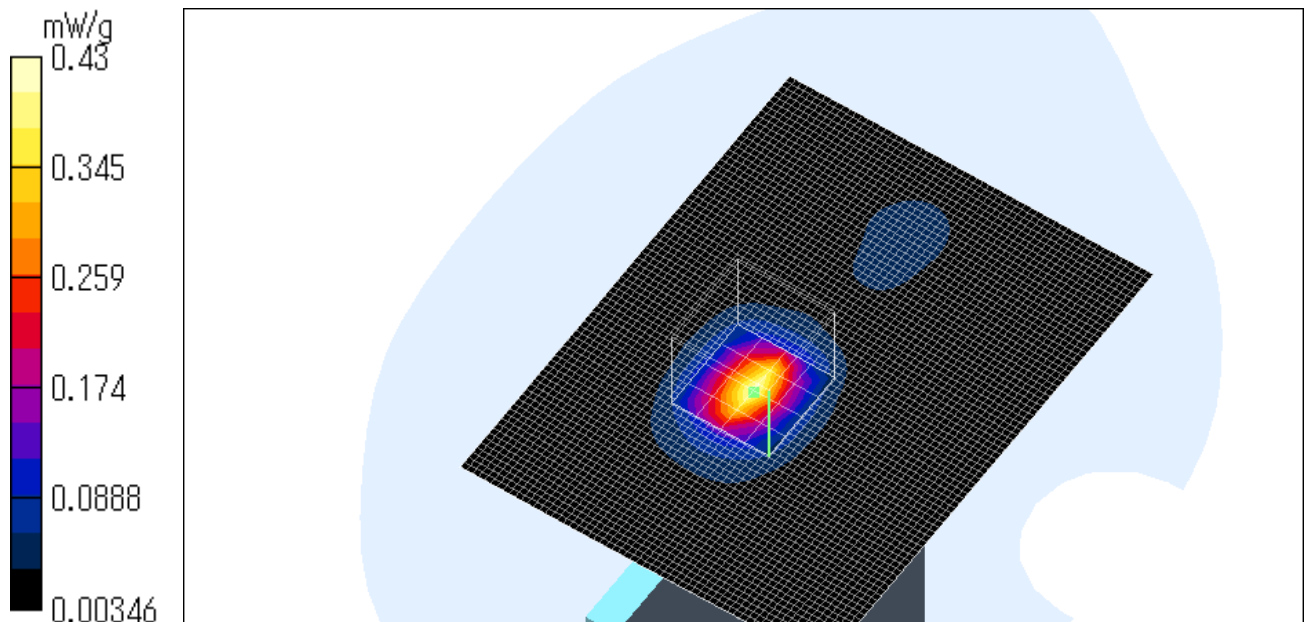
Reference Value = 8.05 V/m

Power Drift = -0.1 dB

Test Date = 06/17/04

Ambient Temperature = 23.6 degree.c

Liquid Temperature = Before 23.4 degree.C , After 23.4 degree.C



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IRF303U / Body / Left Front (HFT18 Antenna 1) / 11.b / 2412MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.98$ mho/m, $\epsilon_r = 50.2$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.327 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 0.719 W/kg

SAR(1 g) = 0.3 mW/g; SAR(10 g) = 0.129 mW/g

Maximum value of SAR = 0.337 mW/g

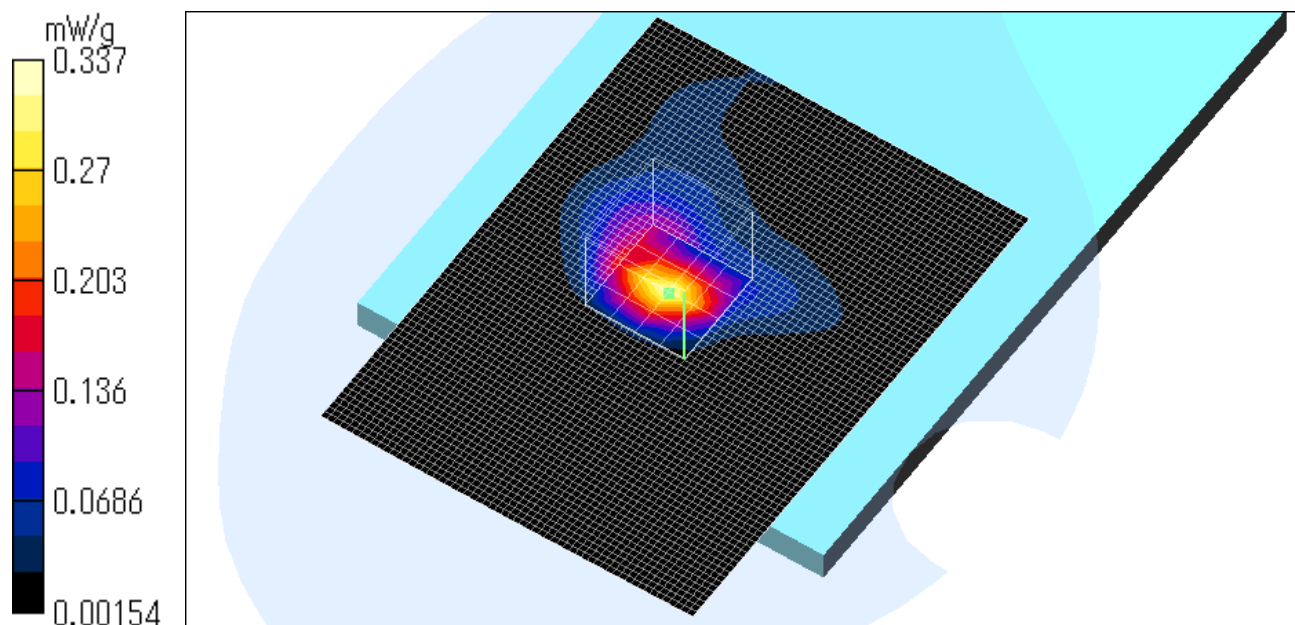
Reference Value = 10.8 V/m

Power Drift = -0.2 dB

Test Date = 06/17/04

Ambient Temperature = 23.6 degree.c

Liquid Temperature = Before 23.1 degree.C , After 23.1 degree.C



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IRF303U / Body / Left Front (HFT18 Antenna 1) / 11.b / 2462MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.98\text{mho/m}$, $\epsilon_r = 50.2$, $\rho = 1000\text{ kg/m}^3$)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 1.29 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 3.1 W/kg

SAR(1 g) = 1.25 mW/g; SAR(10 g) = 0.518 mW/g

Maximum value of SAR = 1.39 mW/g

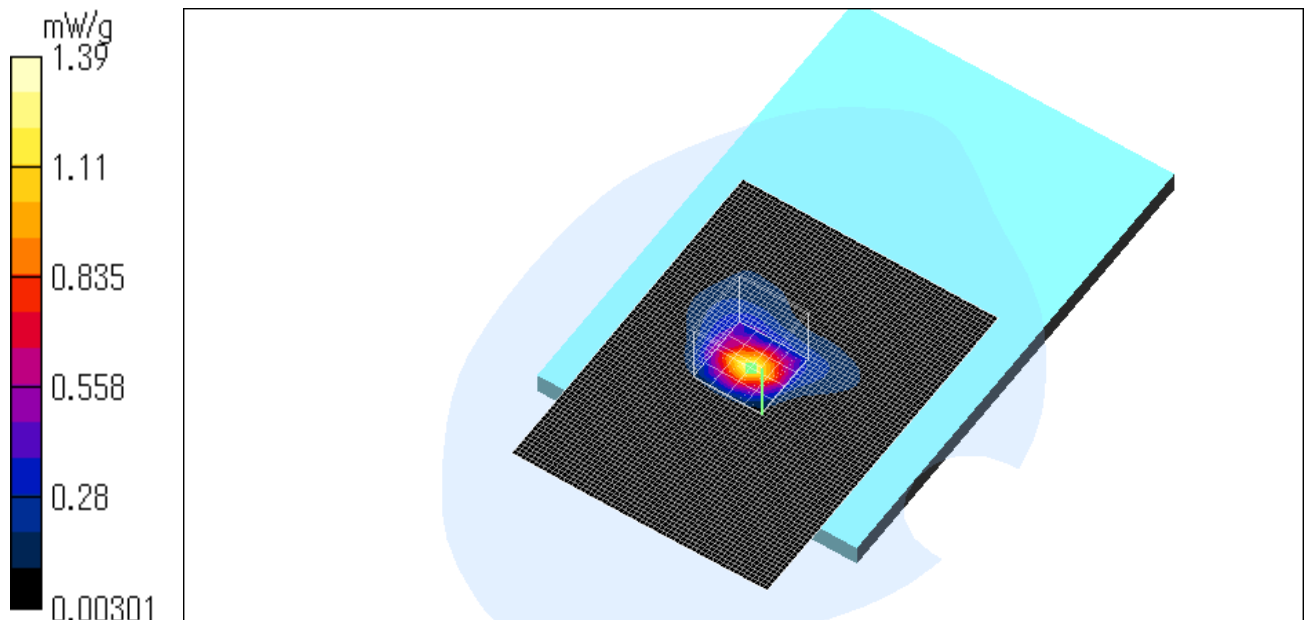
Reference Value = 21.4 V/m

Power Drift = -0.04 dB

Test Date = 06/17/04

Ambient Temperature = 23.6 degree.c

Liquid Temperature = Before 23.1 degree.C , After 23.0 degree.C



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Z-axis scan at max SAR location (HFT18 Antenna)

RF303U/J / Body / Left Front (HFT18 Antenna 1) / 11.b / 2462MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.98$ mho/m, $\epsilon_r = 50.2$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

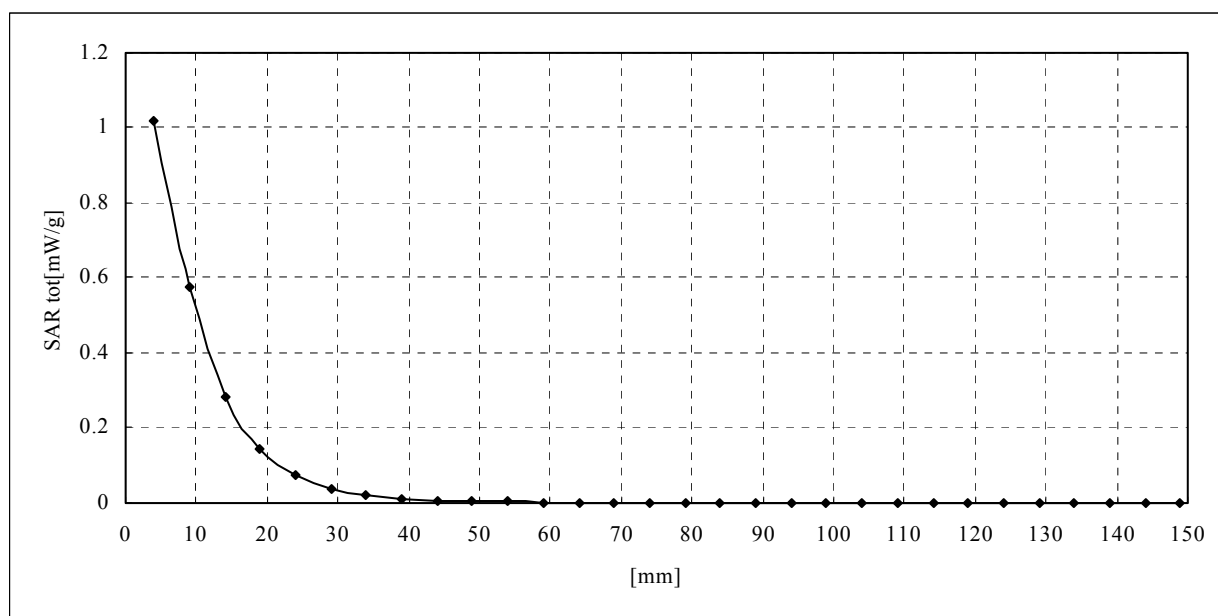
DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115



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IRF303U / Body / Left Front (HFT18 Antenna 1) 5mm / 11.b / 2462MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.98$ mho/m, $\epsilon_r = 50.2$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.229 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 0.549 W/kg

SAR(1 g) = 0.242 mW/g; SAR(10 g) = 0.113 mW/g

Maximum value of SAR = 0.234 mW/g

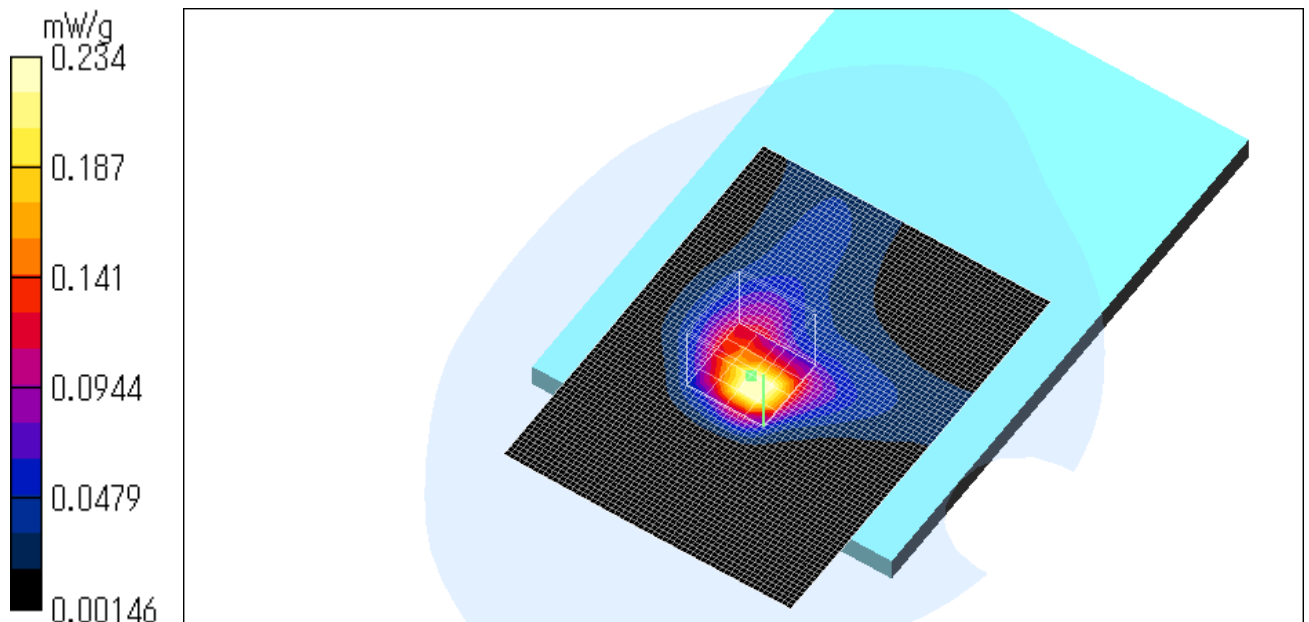
Reference Value = 10.9 V/m

Power Drift = -0.3 dB

Test Date = 06/17/04

Ambient Temperature = 23.6 degree.C

Liquid Temperature = Before 23.4 degree.C , After 23.3 degree.C



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IRF303U / Body / Left Front (HFT18 Antenna 1) 10mm / 11.b / 2462MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.98$ mho/m, $\epsilon_r = 50.2$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.0739 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 0.128 W/kg

SAR(1 g) = 0.0635 mW/g; SAR(10 g) = 0.0341 mW/g

Maximum value of SAR = 0.0664 mW/g

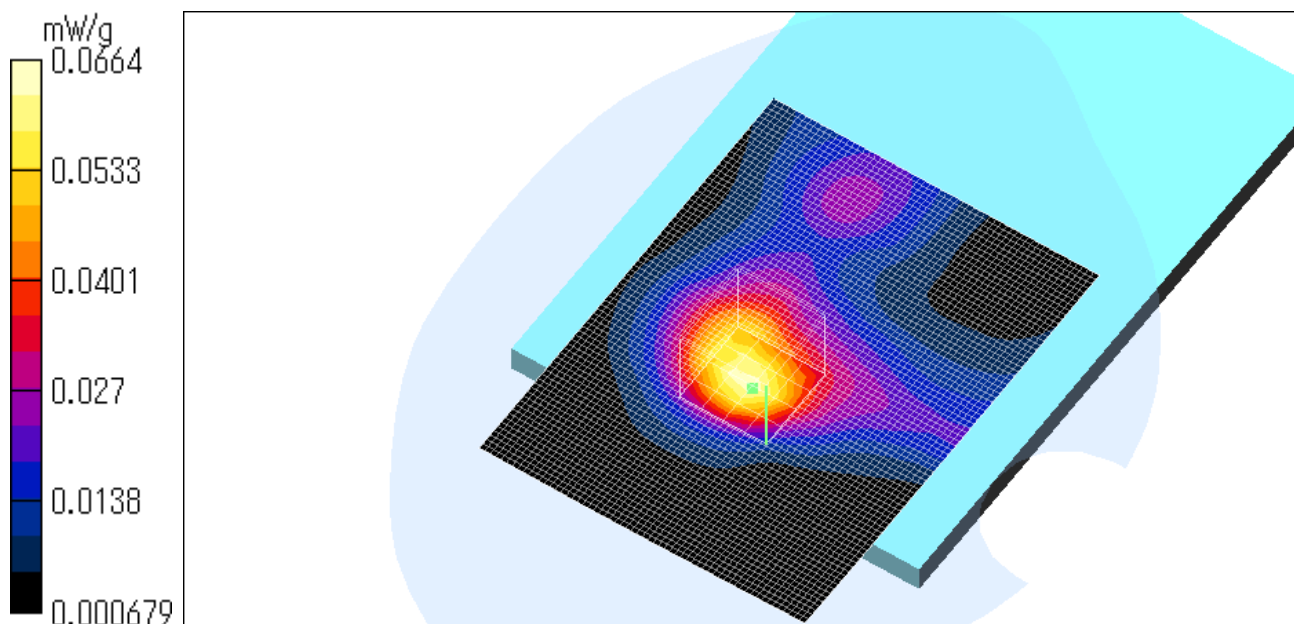
Reference Value = 4.95 V/m

Power Drift = -0.3 dB

Test Date = 06/17/04

Ambient Temperature = 23.6 degree.c

Liquid Temperature = Before 23.3 degree.C , After 23.3 degree.C



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IRF303U / Body / Left Front (HFT18 Antenna 1) 15mm / 11.b / 2462MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.98$ mho/m, $\epsilon_r = 50.2$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.0518 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 0.0988 W/kg

SAR(1 g) = 0.0493 mW/g; SAR(10 g) = 0.0268 mW/g

Maximum value of SAR = 0.0497 mW/g

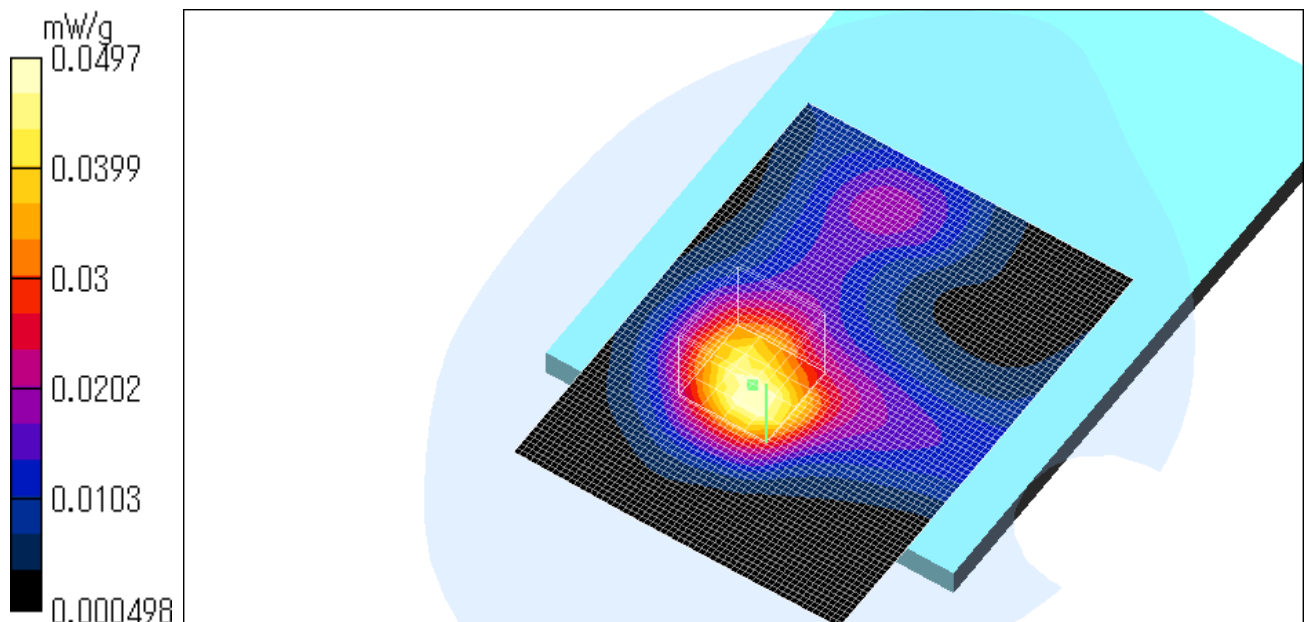
Reference Value = 3.66 V/m

Power Drift = -0.2 dB

Test Date = 06/17/04

Ambient Temperature = 23.6 degree.c

Liquid Temperature = Before 23.3 degree.C , After 23.3 degree.C



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IRF303U / Body / Left Front (HFT18 Antenna 1) / 11.g(64QAM) / 2437MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.96$ mho/m, $\epsilon_r = 50.2$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.314 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 0.68 W/kg

SAR(1 g) = 0.276 mW/g; SAR(10 g) = 0.117 mW/g

Maximum value of SAR = 0.289 mW/g

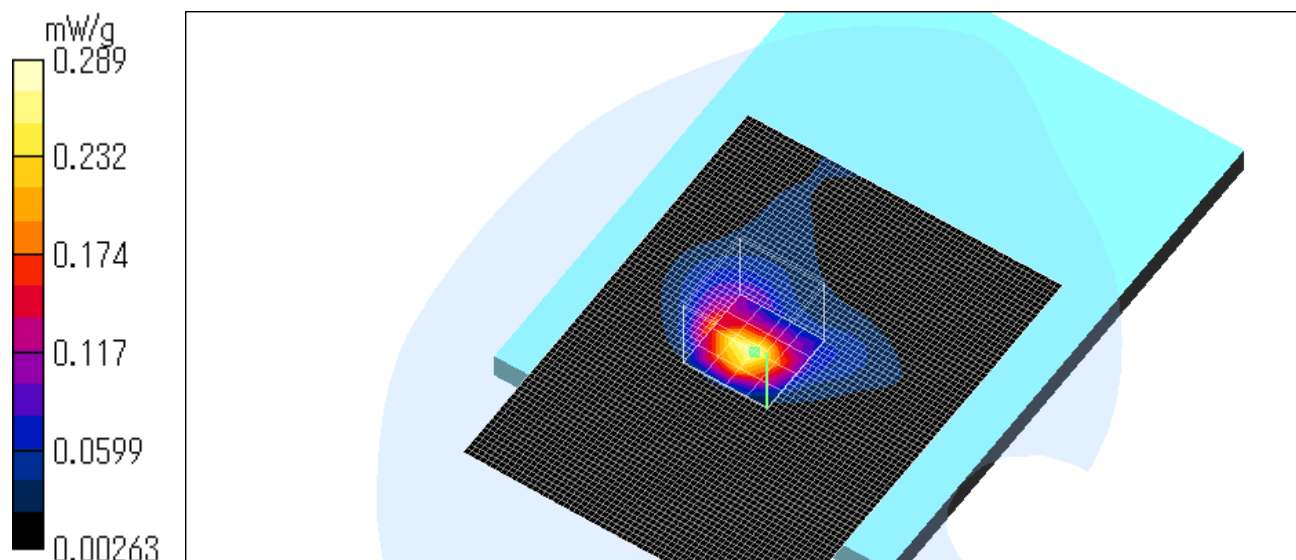
Reference Value = 11.6 V/m

Power Drift = -0.2 dB

Test Date = 06/16/04

Ambient Temperature = 23.5 degree.c

Liquid Temperature = Before 23.3 degree.C , After 23.3 degree.C



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IRF303U / Body / Left Back (HFT18 Antenna 1) / 11.g(64QAM) / 2437MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.96$ mho/m, $\epsilon_r = 50.2$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.0756 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 0.144 W/kg

SAR(1 g) = 0.0703 mW/g; SAR(10 g) = 0.0392 mW/g

Maximum value of SAR = 0.0718 mW/g

Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 0.11 W/kg

SAR(1 g) = 0.0594 mW/g; SAR(10 g) = 0.0359 mW/g

Maximum value of SAR = 0.0612 mW/g

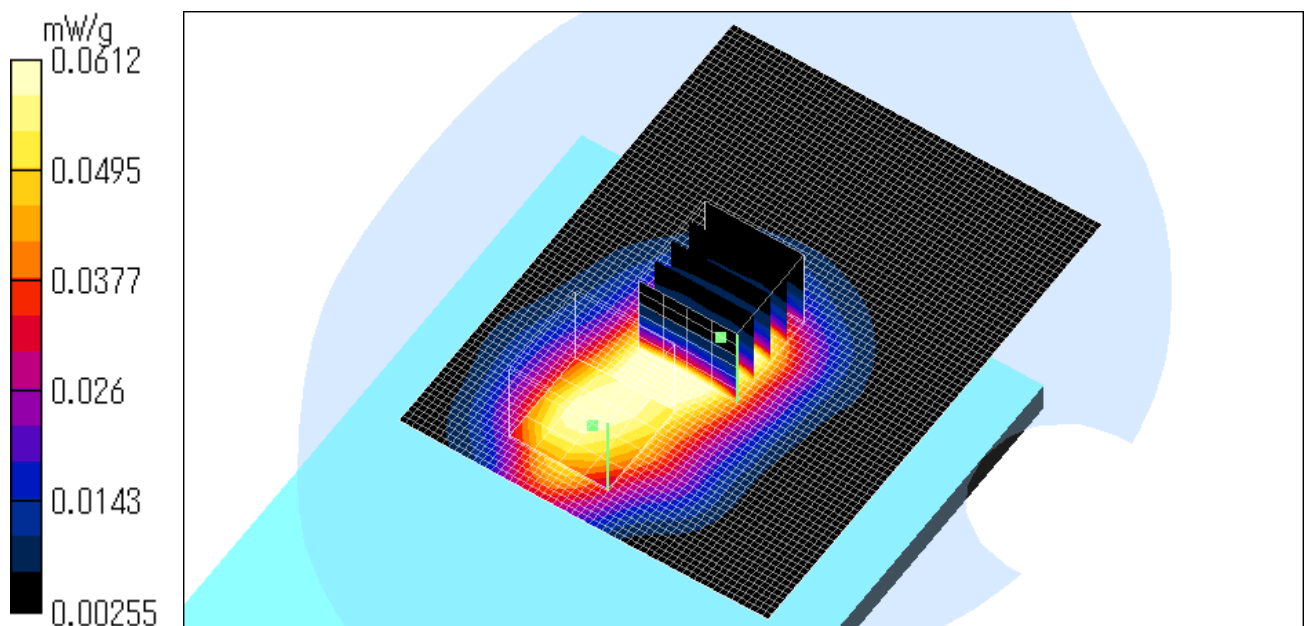
Reference Value = 5.76 V/m

Power Drift = -0.1 dB

Test Date = 06/16/04

Ambient Temperature = 23.5 degree.c

Liquid Temperature = Before 23.0 degree.C , After 23.0 degree.C



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IRF303U / Body / Left Side (HFT18 Antenna 1) / 11.g(64QAM) / 2437MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.96$ mho/m, $\epsilon_r = 50.2$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.152 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 0.412 W/kg

SAR(1 g) = 0.165 mW/g; SAR(10 g) = 0.073 mW/g

Maximum value of SAR = 0.164 mW/g

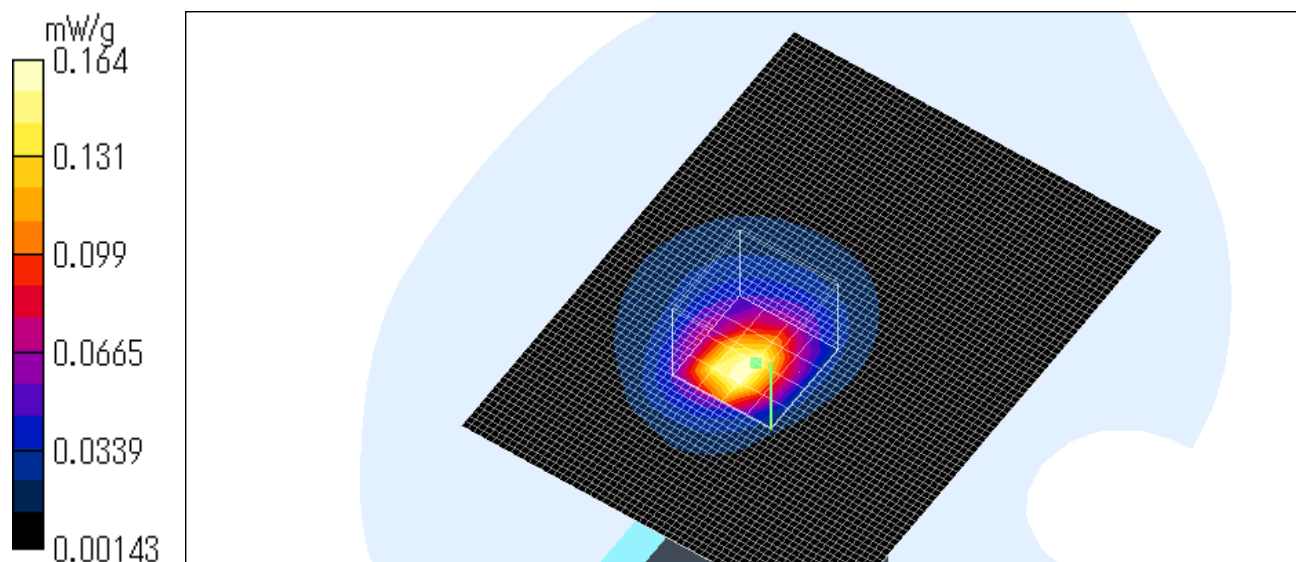
Reference Value = 5.45 V/m

Power Drift = -0.1 dB

Test Date = 06/16/04

Ambient Temperature = 23.5 degree.c

Liquid Temperature = Before 23.2 degree.C , After 23.2 degree.C



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IRF303U / Body / Right Front (HFT18 Antenna 2) / 11.g(64QAM) / 2437MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.96$ mho/m, $\epsilon_r = 50.2$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.549 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.478 mW/g; SAR(10 g) = 0.216 mW/g

Maximum value of SAR = 0.509 mW/g

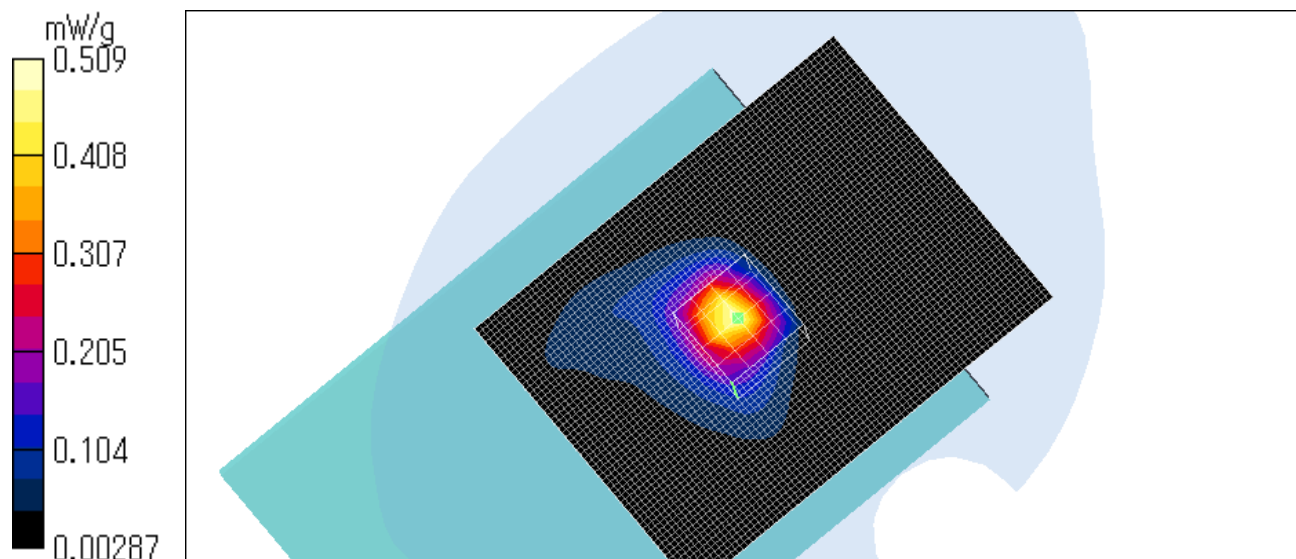
Reference Value = 13.6 V/m

Power Drift = -0.07 dB

Test Date = 06/16/04

Ambient Temperature = 23.5 degree.c

Liquid Temperature = Before 23.3 degree.C , After 23.3 degree.C



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IRF303U / Body / Right Back (HFT18 Antenna 2) / 11.g(64QAM) / 2437MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.98$ mho/m, $\epsilon_r = 50.2$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.102 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 0.176 W/kg

SAR(1 g) = 0.0877 mW/g; SAR(10 g) = 0.0472 mW/g

Maximum value of SAR = 0.0925 mW/g

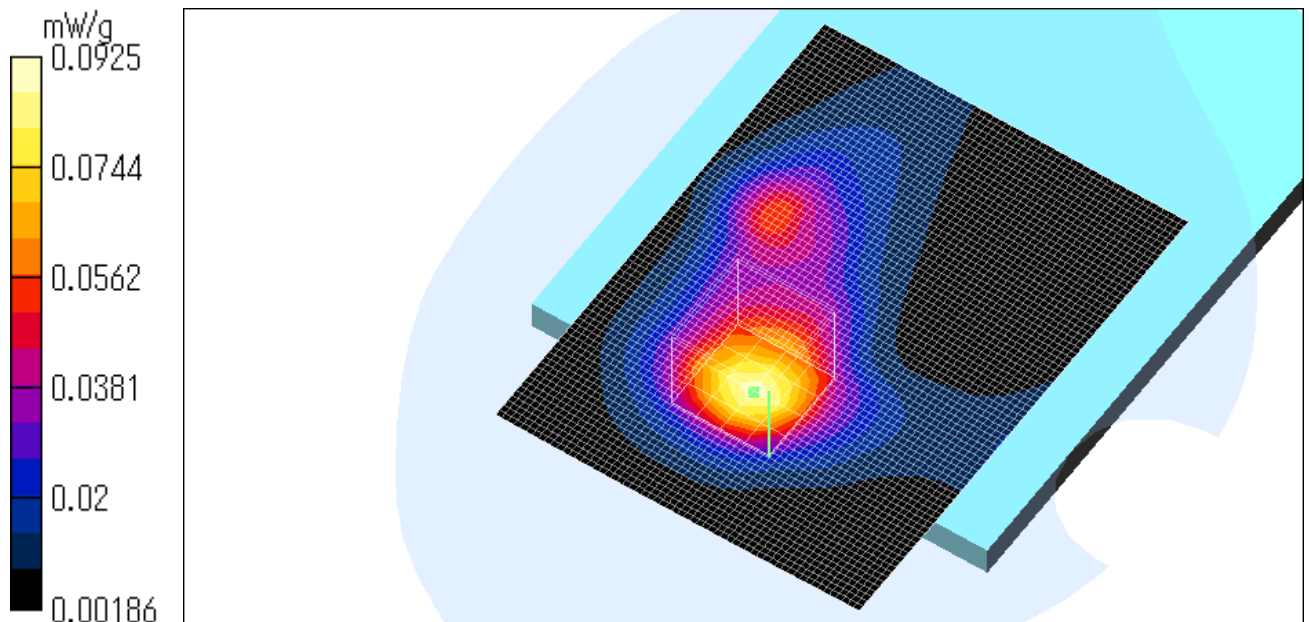
Reference Value = 4.28 V/m

Power Drift = -0.3 dB

Test Date = 06/17/04

Ambient Temperature = 23.6 degree.c

Liquid Temperature = Before 23.3 degree.C , After 23.3 degree.C



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IRF303U / Body / Right Side (HFT18 Antenna 2) / 11.g(64QAM) / 2437MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.98$ mho/m, $\epsilon_r = 50.2$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.234 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 0.717 W/kg

SAR(1 g) = 0.307 mW/g; SAR(10 g) = 0.134 mW/g

Maximum value of SAR = 0.348 mW/g

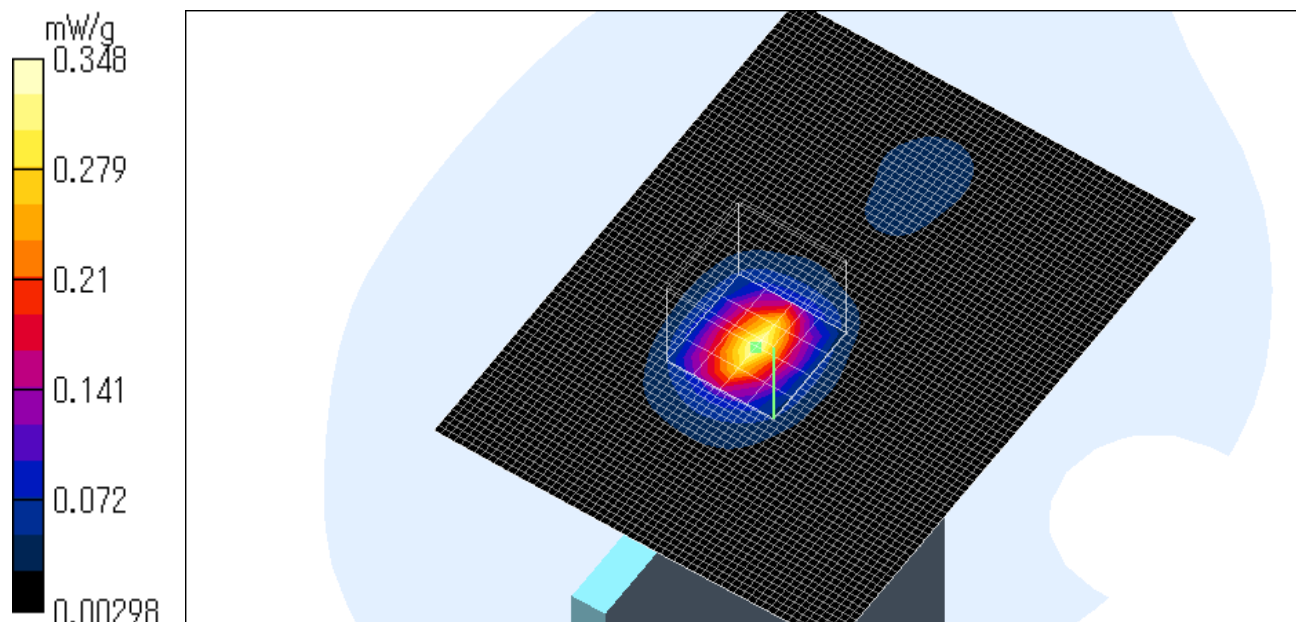
Reference Value = 7.33 V/m

Power Drift = -0.2 dB

Test Date = 06/17/04

Ambient Temperature = 23.6 degree.c

Liquid Temperature = Before 23.3 degree.C , After 23.3 degree.C



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IRF303U / Body / Right Front (HFT18 Antenna 2) / 11.g (64QAM) / 2412MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.98$ mho/m, $\epsilon_r = 50.2$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.379 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 0.738 W/kg

SAR(1 g) = 0.323 mW/g; SAR(10 g) = 0.147 mW/g

Maximum value of SAR = 0.348 mW/g

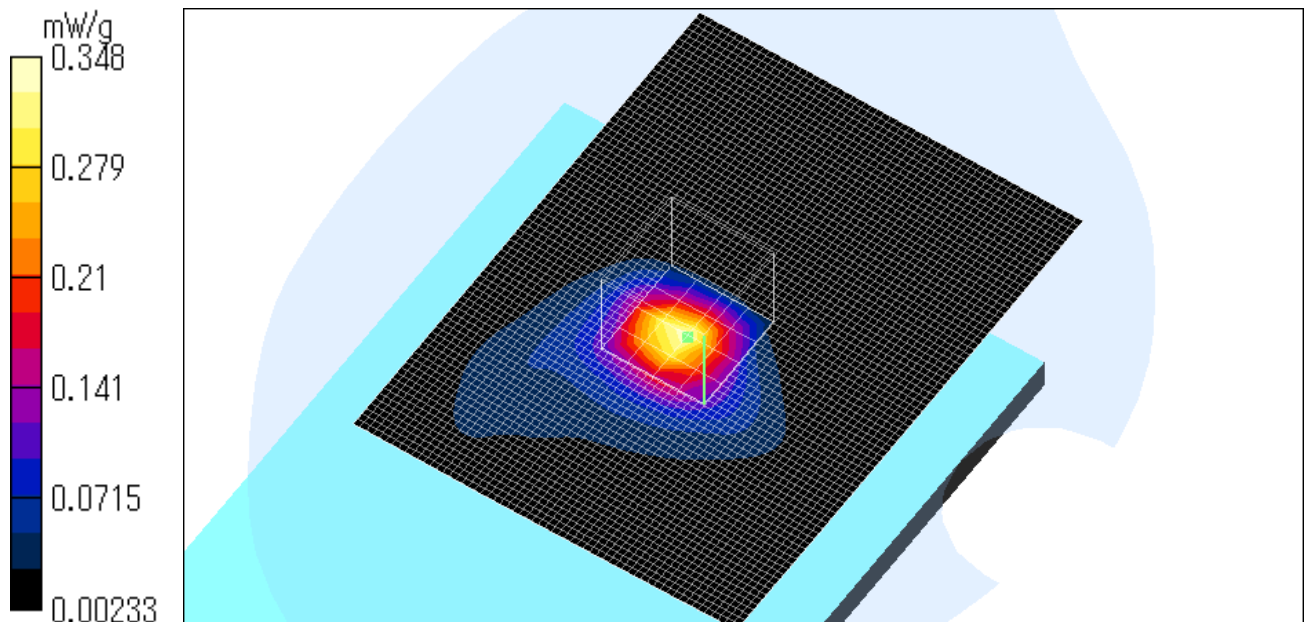
Reference Value = 10.4 V/m

Power Drift = -0.2 dB

Test Date = 06/17/04

Ambient Temperature = 23.6 degree.c

Liquid Temperature = Before 23.2 degree.C , After 23.3 degree.C



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IRF303U / Body / Right Front (HFT18 Antenna 2) / 11.g(64QAM) / 2462MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.98$ mho/m, $\epsilon_r = 50.2$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.716 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 1.49 W/kg

SAR(1 g) = 0.625 mW/g; SAR(10 g) = 0.28 mW/g

Maximum value of SAR = 0.66 mW/g

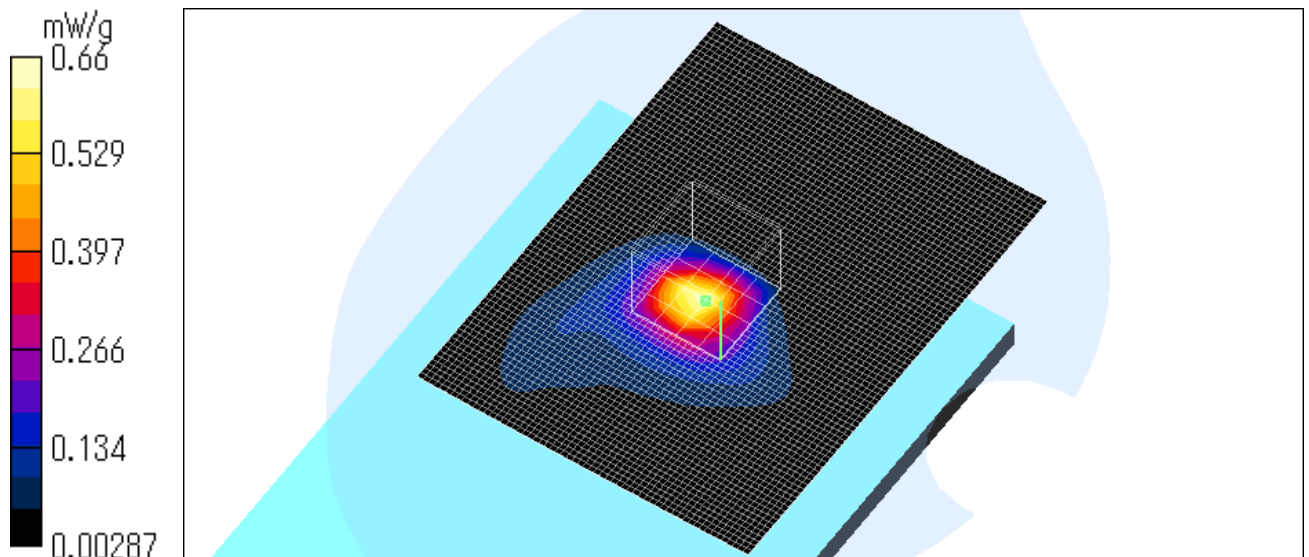
Reference Value = 14.8 V/m

Power Drift = -0.04 dB

Test Date = 06/17/04

Ambient Temperature = 23.5 degree.c

Liquid Temperature = Before 23.4 degree.C , After 23.4 degree.C



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IRF303U / Body / Left Front (HFT18 Antenna 1) / 11.g(QPSK) / 2437MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.96$ mho/m, $\epsilon_r = 50.2$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.303 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 0.663 W/kg

SAR(1 g) = 0.277 mW/g; SAR(10 g) = 0.118 mW/g

Maximum value of SAR = 0.295 mW/g

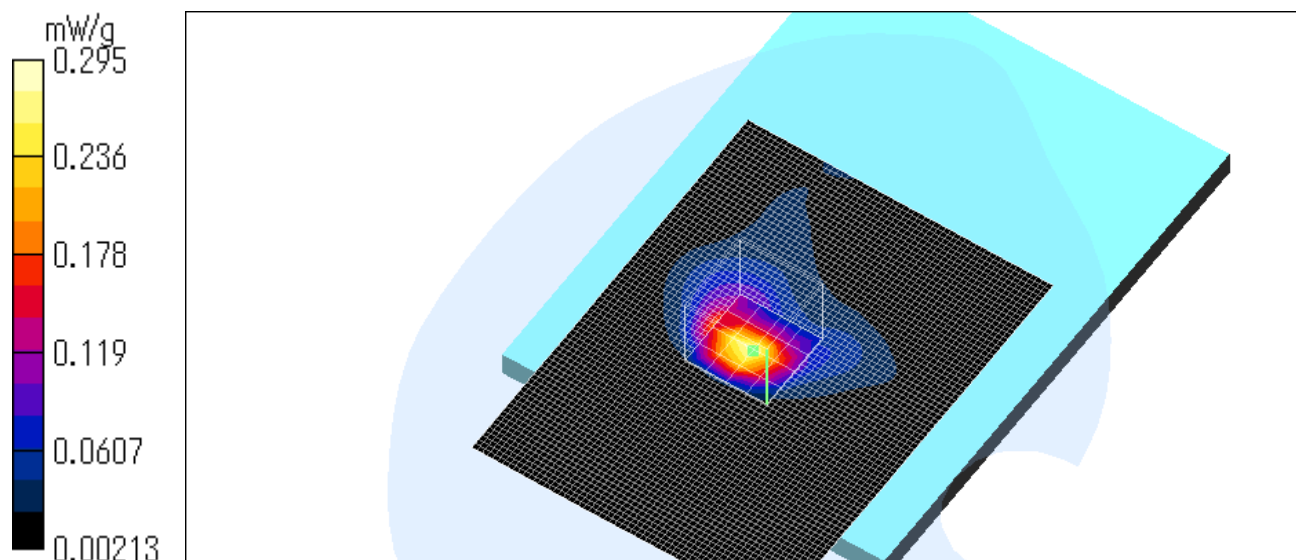
Reference Value = 11.3 V/m

Power Drift = -0.05 dB

Test Date = 06/16/04

Ambient Temperature = 23.5 degree.c

Liquid Temperature = Before 23.3 degree.C , After 23.3 degree.C



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IRF303U / Body / Left Back (HFT18 Antenna 1) / 11.g(QPSK) / 2437MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.96$ mho/m, $\epsilon_r = 50.2$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.0785 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 0.145 W/kg

SAR(1 g) = 0.0735 mW/g; SAR(10 g) = 0.0417 mW/g

Maximum value of SAR = 0.0744 mW/g

Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 0.112 W/kg

SAR(1 g) = 0.0629 mW/g; SAR(10 g) = 0.0378 mW/g

Maximum value of SAR = 0.0655 mW/g

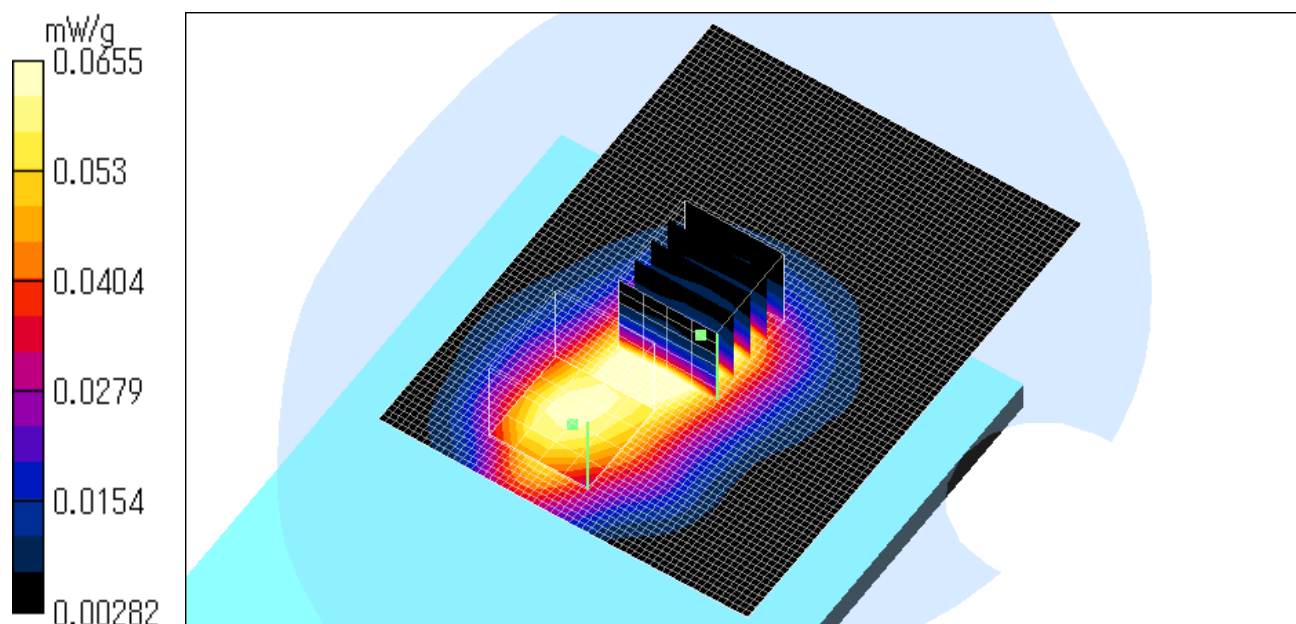
Reference Value = 5.91 V/m

Power Drift = -0.2 dB

Test Date = 06/16/04

Ambient Temperature = 23.5 degree.c

Liquid Temperature = Before 23.2 degree.C , After 23.2 degree.C



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IRF303U / Body / Left Side (HFT18 Antenna 1) / 11.g(QPSK) / 2437MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.96$ mho/m, $\epsilon_r = 50.2$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.157 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 0.42 W/kg

SAR(1 g) = 0.167 mW/g; SAR(10 g) = 0.0741 mW/g

Maximum value of SAR = 0.167 mW/g

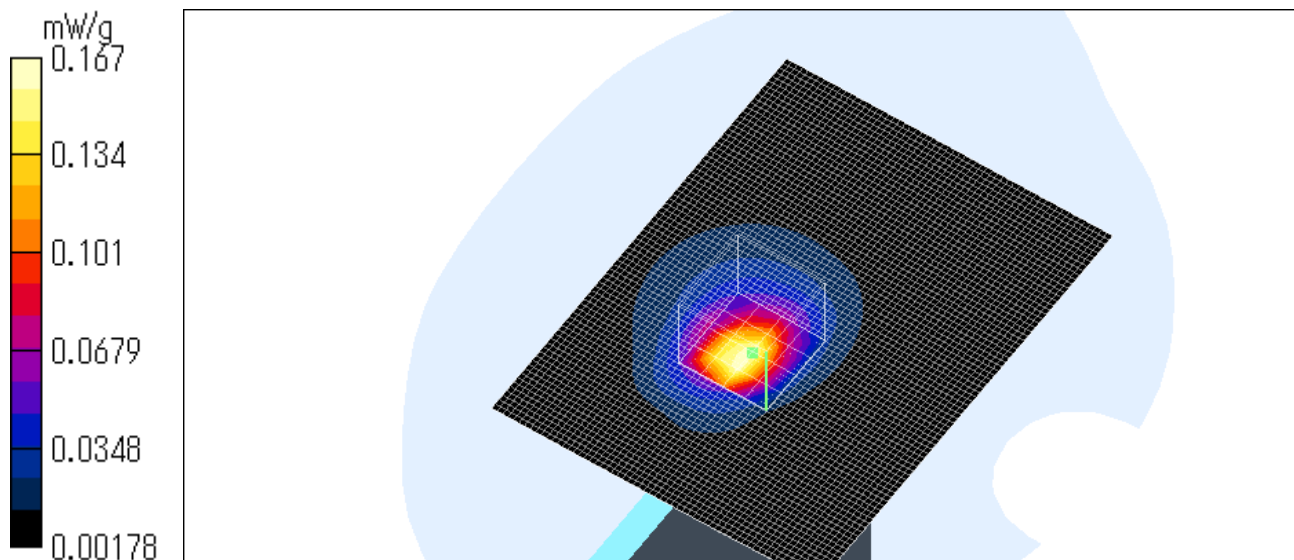
Reference Value = 5.54 V/m

Power Drift = -0.2 dB

Test Date = 06/16/04

Ambient Temperature = 23.5 degree.c

Liquid Temperature = Before 23.2 degree.C , After 23.2 degree.C



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IRF303U / Body / Right Front (HFT18 Antenna 2) / 11.g(QPSK) / 2437MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.96$ mho/m, $\epsilon_r = 50.2$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.611 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.56 mW/g; SAR(10 g) = 0.253 mW/g

Maximum value of SAR = 0.594 mW/g

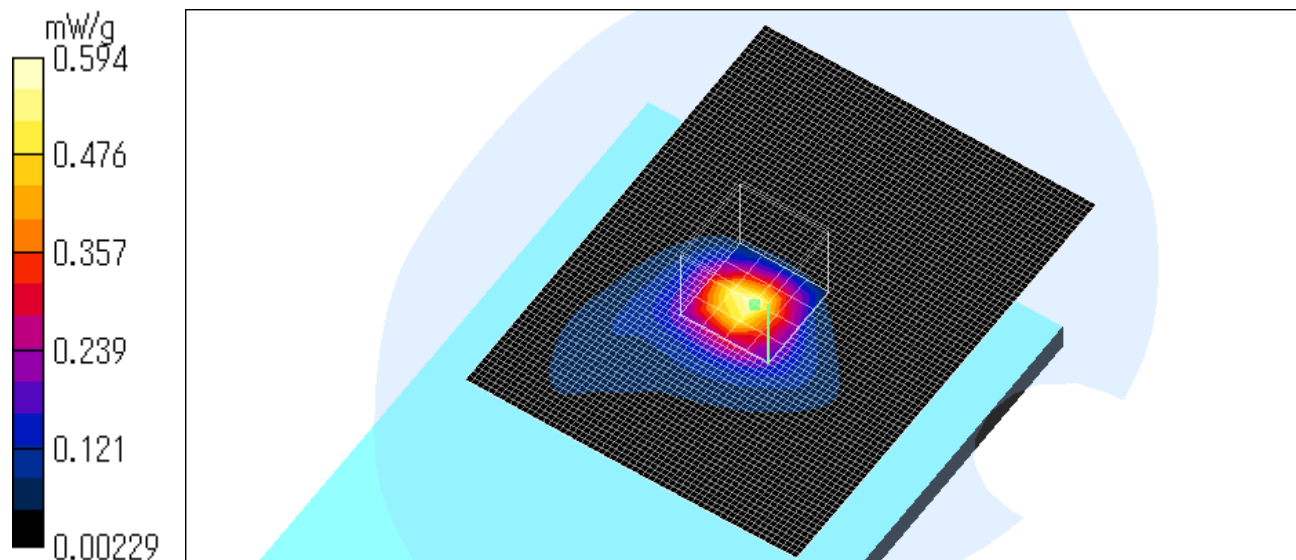
Reference Value = 13.7 V/m

Power Drift = -0.08 dB

Test Date = 06/16/04

Ambient Temperature = 23.5 degree.c

Liquid Temperature = Before 23.2 degree.C , After 23.2 degree.C



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IRF303U / Body / Right Back (HFT18 Antenna 2) / 11.g(QPSK) / 2437MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.98$ mho/m, $\epsilon_r = 50.2$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.105 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 0.181 W/kg

SAR(1 g) = 0.0906 mW/g; SAR(10 g) = 0.0489 mW/g

Maximum value of SAR = 0.0956 mW/g

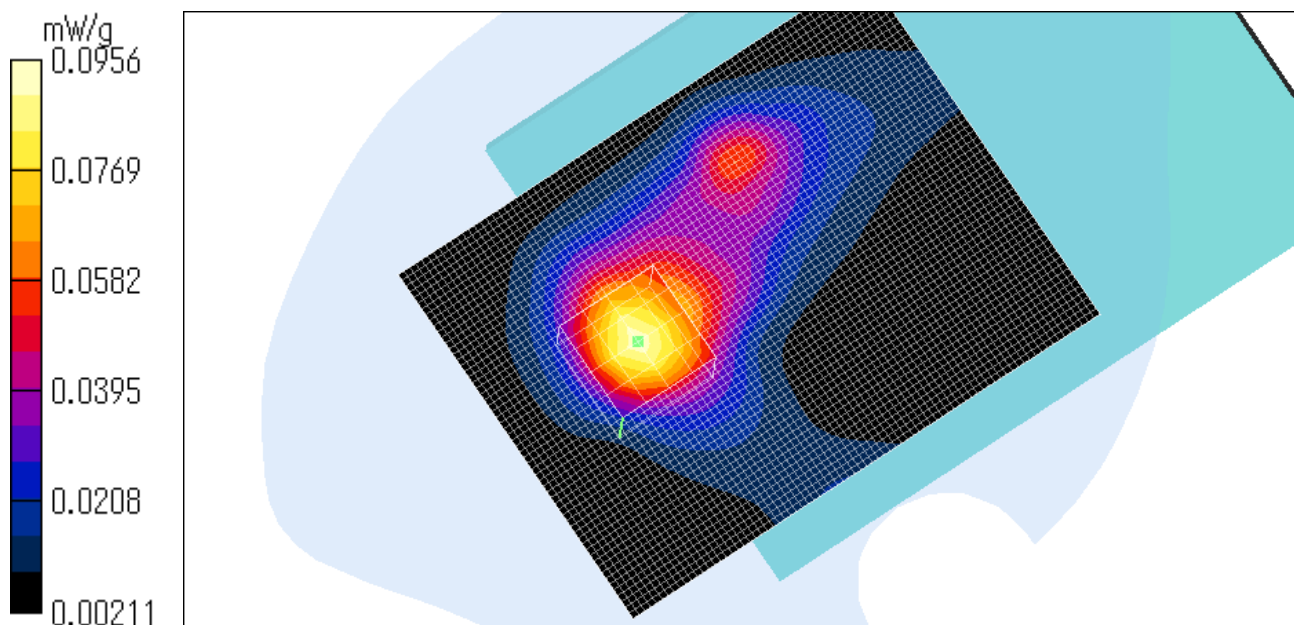
Reference Value = 4.28 V/m

Power Drift = -0.1 dB

Test Date = 06/17/04

Ambient Temperature = 23.6 degree.c

Liquid Temperature = Before 23.3 degree.C , After 23.3 degree.C



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IRF303U / Body / Right Side (HFT18 Antenna 2) / 11.g(QPSK) / 2437MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.98$ mho/m, $\epsilon_r = 50.2$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.246 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 0.758 W/kg

SAR(1 g) = 0.325 mW/g; SAR(10 g) = 0.142 mW/g

Maximum value of SAR = 0.369 mW/g

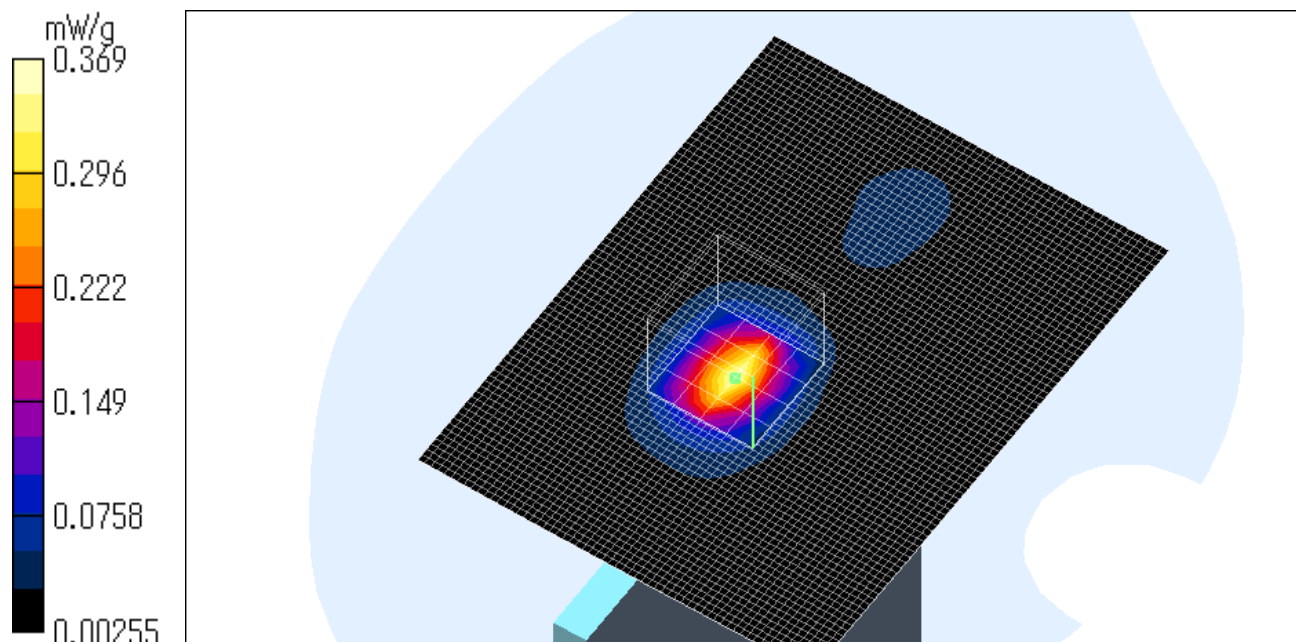
Reference Value = 7.49 V/m

Power Drift = -0.2 dB

Test Date = 06/17/04

Ambient Temperature = 23.6 degree.c

Liquid Temperature = Before 23.2 degree.C , After 23.2 degree.C



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IRF303U / Body / Right Front (HFT18 Antenna 2) / 11.g (QPSK) / 2412MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.98$ mho/m, $\epsilon_r = 50.2$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.376 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 0.809 W/kg

SAR(1 g) = 0.345 mW/g; SAR(10 g) = 0.156 mW/g

Maximum value of SAR = 0.371 mW/g

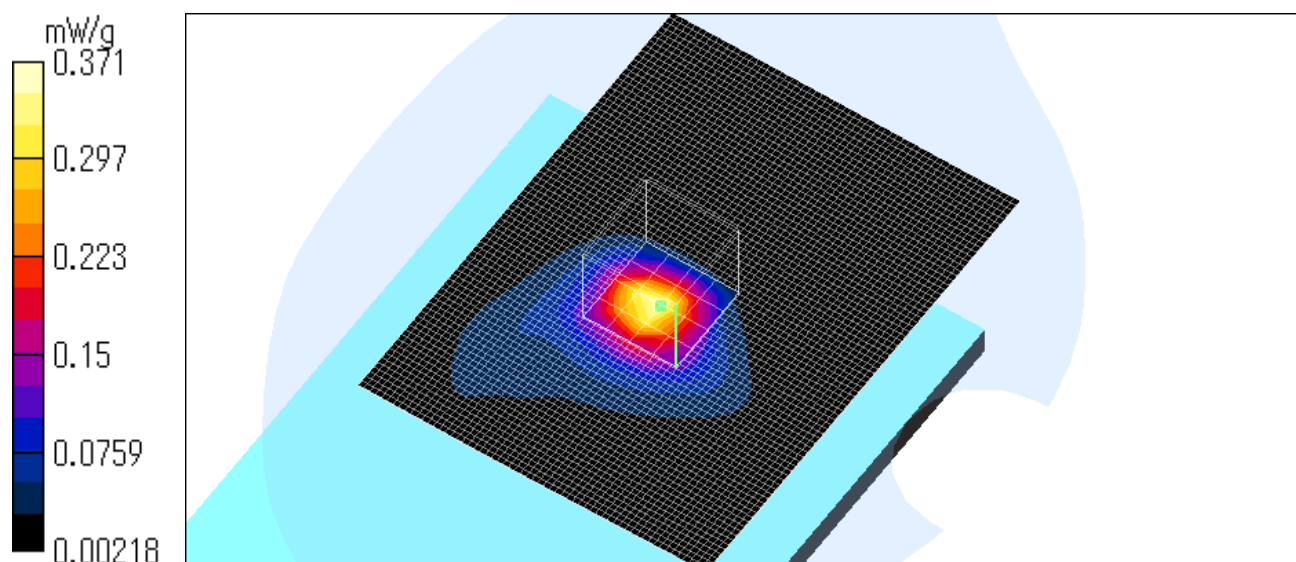
Reference Value = 10.6 V/m

Power Drift = -0.1 dB

Test Date = 06/17/04

Ambient Temperature = 23.6 degree.c

Liquid Temperature = Before 23.2 degree.C , After 23.2 degree.C



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IRF303U / Body / Right Front (HFT18 Antenna 2) / 11.g(QPSK) / 2462MHz

Crest factor: 1

Medium: M2450 ($\sigma = 1.98$ mho/m, $\epsilon_r = 50.2$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.3, 4.3, 4.3); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 0.753 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 1.6 W/kg

SAR(1 g) = 0.664 mW/g; SAR(10 g) = 0.297 mW/g

Maximum value of SAR = 0.703 mW/g

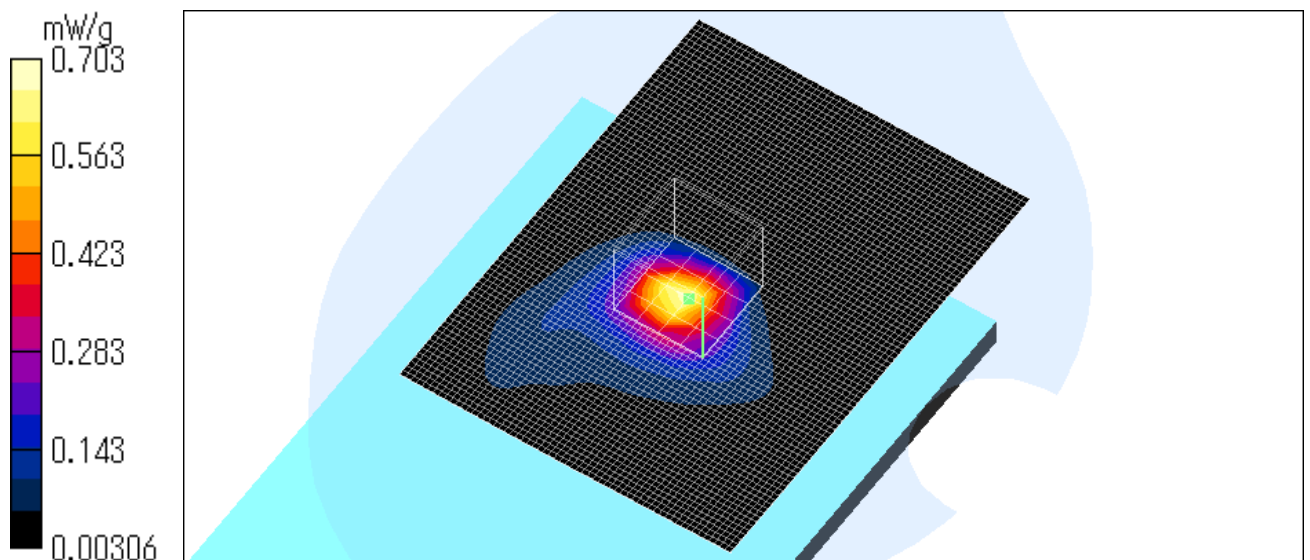
Reference Value = 15.4 V/m

Power Drift = -0.09 dB

Test Date = 06/17/04

Ambient Temperature = 23.6 degree.c

Liquid Temperature = Before 23.2 degree.C , After 23.2 degree.C



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APPENDIX 6 : SAR Measurement data of HFT18 (IEEE 802.11a : 5.15-5.35GHz)

IRF303U / Body / Left Front (HFT18 Antenna 1) / 11.a(64QAM) / 5260MHz

Crest factor: 1

Medium: M5200 ($\sigma = 5.5$ mho/m, $\epsilon_r = 48.8$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.62, 4.62, 4.62); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.333 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 0.523 W/kg

SAR(1 g) = 0.168 mW/g; SAR(10 g) = 0.0739 mW/g

Maximum value of SAR = 0.292 mW/g

Zoom Scan (7x7x8)/Cube 1: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 0.517 W/kg

SAR(1 g) = 0.156 mW/g; SAR(10 g) = 0.068 mW/g

Maximum value of SAR = 0.273 mW/g

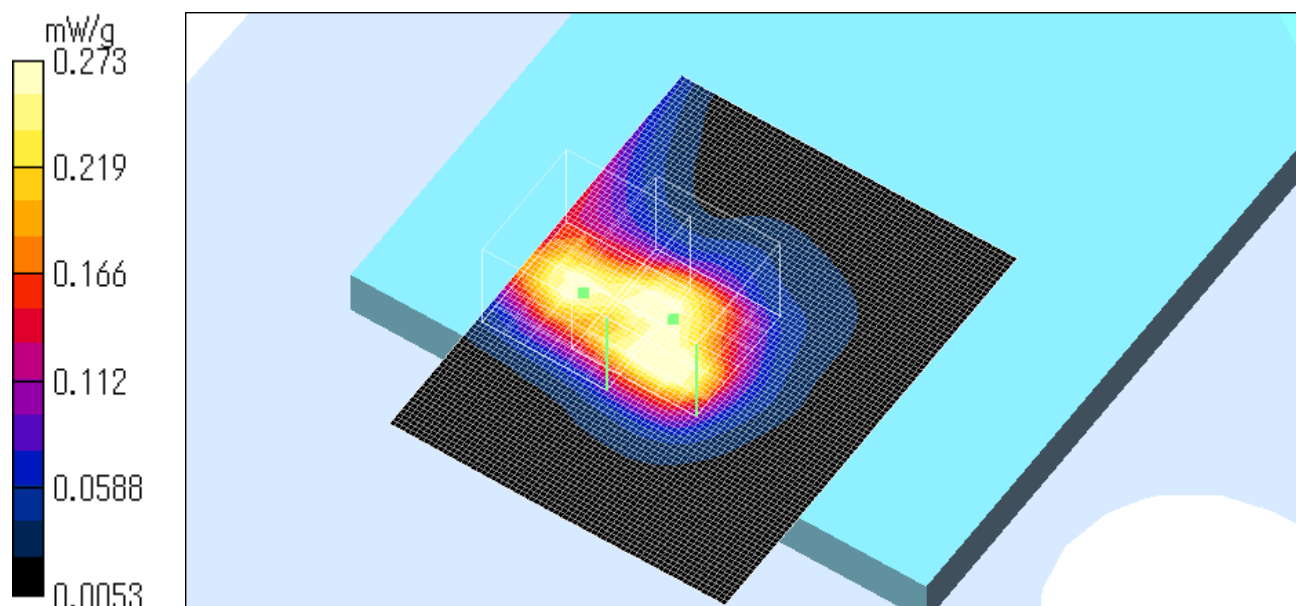
Reference Value = 6.86 V/m

Power Drift = -0.4 dB

Test Date = 06/19/04

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 24.5 degree.C , After 24.5 degree.C



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IRF303U / Body / Left Back (HFT18 Antenna 1) / 11.a(64QAM) / 5260MHz

Crest factor: 1

Medium: M5200 ($\sigma = 5.5$ mho/m, $\epsilon_r = 48.8$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.62, 4.62, 4.62); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.155 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 0.23 W/kg

SAR(1 g) = 0.106 mW/g; SAR(10 g) = 0.0768 mW/g

Maximum value of SAR = 0.14 mW/g

Zoom Scan (7x7x8)/Cube 1: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 0.201 W/kg

SAR(1 g) = 0.0801 mW/g; SAR(10 g) = 0.066 mW/g

Maximum value of SAR = 0.0931 mW/g

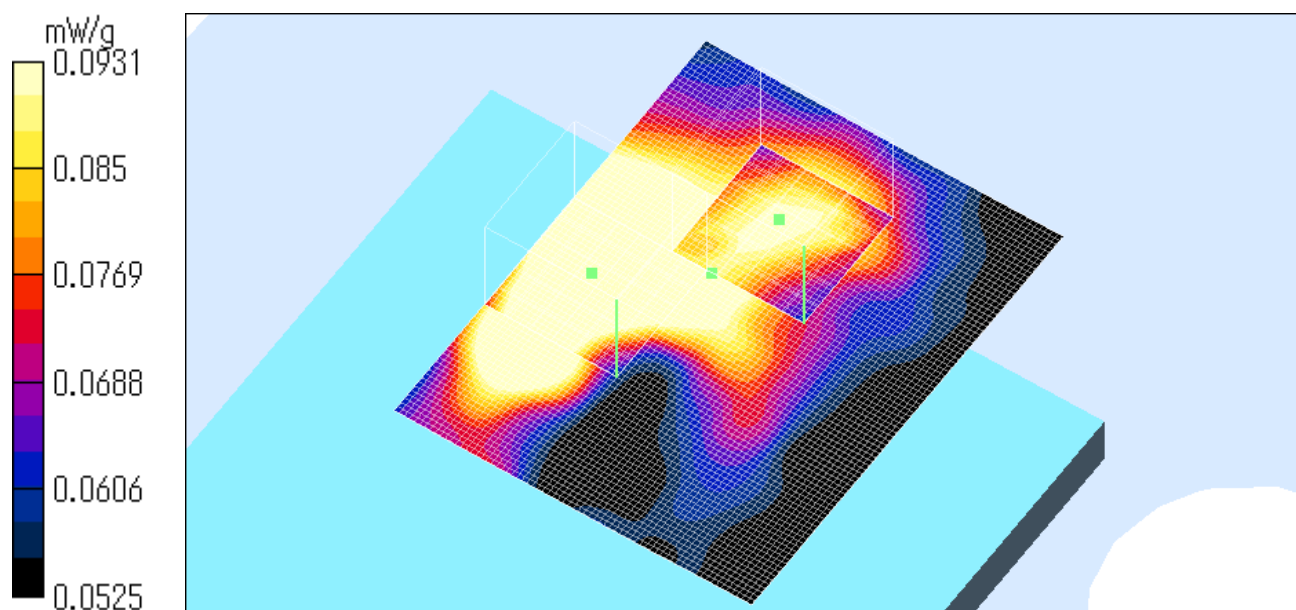
Reference Value = 11.7 V/m

Power Drift = -0.4 dB

Test Date = 06/19/04

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 24.5 degree.C , After 24.5 degree.C



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IRF303U / Body / Left Side (HFT18 Antenna 1) / 11.a(64QAM) / 5260MHz

Crest factor: 1

Medium: M5200 ($\sigma = 5.5$ mho/m, $\epsilon_r = 48.8$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.62, 4.62, 4.62); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.756 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 1.52 W/kg

SAR(1 g) = 0.402 mW/g; SAR(10 g) = 0.155 mW/g

Maximum value of SAR = 0.811 mW/g

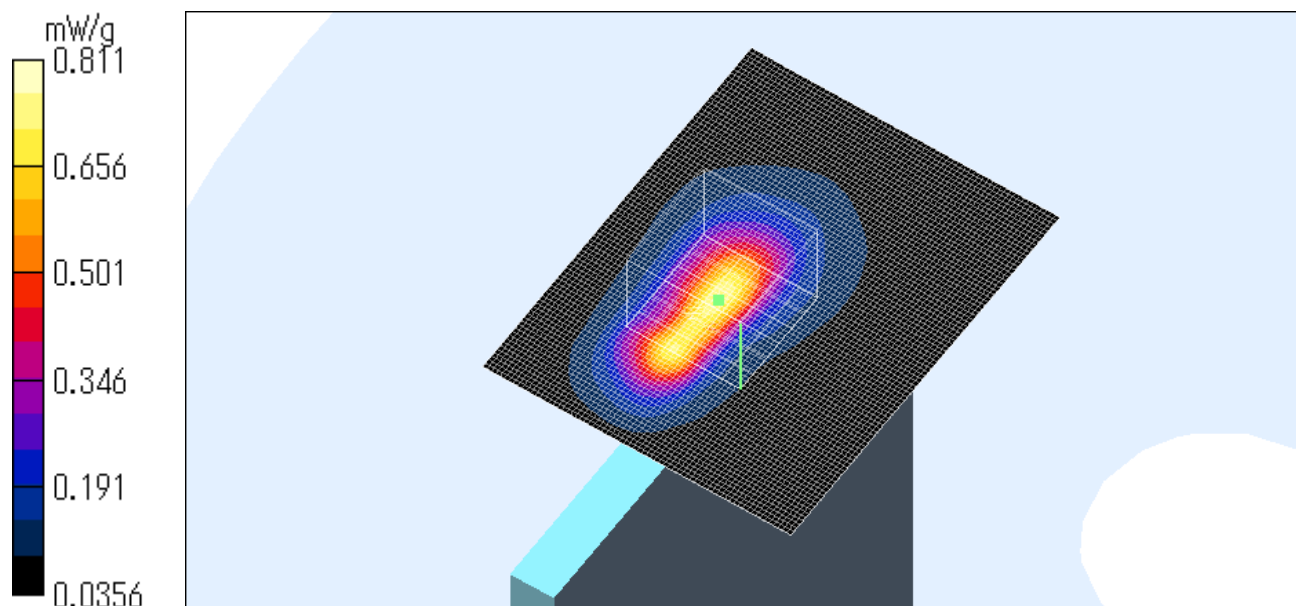
Reference Value = 9.94 V/m

Power Drift = -0.2 dB

Test Date = 06/19/04

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 24.5 degree.C , After 24.5 degree.C



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IRF303U / Body / Right Front (HFT18 Antenna 2) / 11.a(64QAM) / 5260MHz

Crest factor: 1

Medium: M5200 ($\sigma = 5.5$ mho/m, $\epsilon_r = 48.8$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.62, 4.62, 4.62); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 1.25 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 2.17 W/kg

SAR(1 g) = 0.678 mW/g; SAR(10 g) = 0.236 mW/g

Maximum value of SAR = 1.22 mW/g

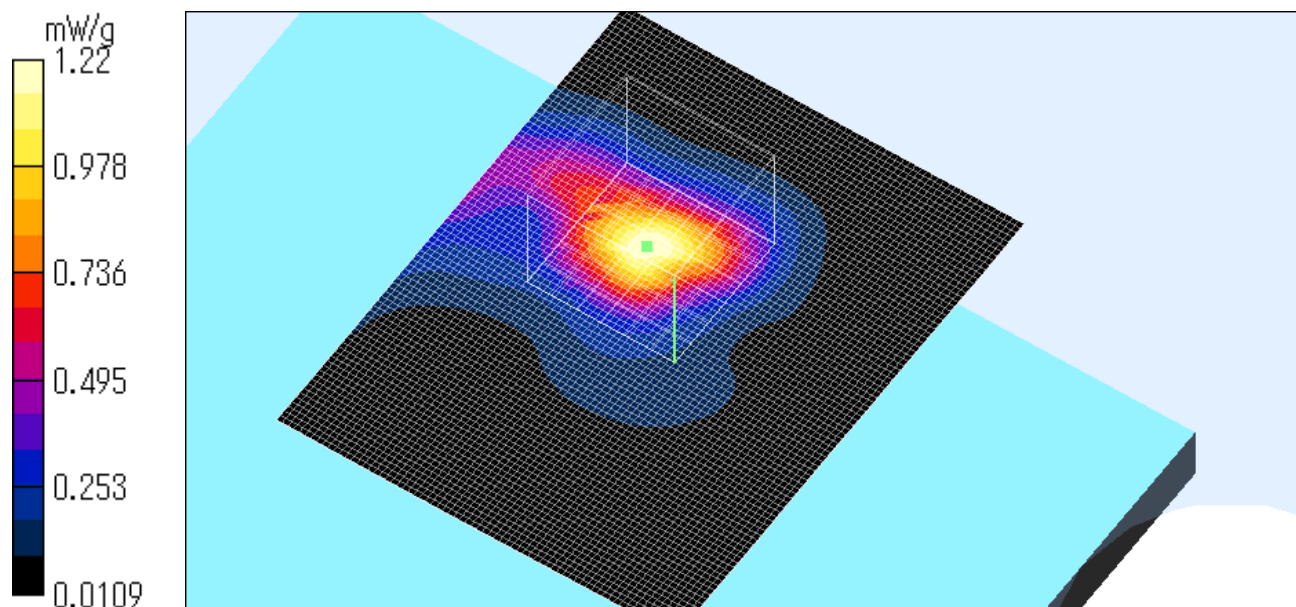
Reference Value = 8.23 V/m

Power Drift = 0.08 dB

Test Date = 06/19/04

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 24.2 degree.C , After 24.2 degree.C



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IRF303U / Body / Right Back (HFT18 Antenna 2) / 11.a(64QAM) / 5260MHz

Crest factor: 1

Medium: M5200 ($\sigma = 5.5$ mho/m, $\epsilon_r = 48.8$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.62, 4.62, 4.62); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.172 mW/g

Unnamed procedure/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 0.285 W/kg

SAR(1 g) = 0.12 mW/g; SAR(10 g) = 0.079 mW/g

Maximum value of SAR = 0.169 mW/g

Zoom Scan (7x7x8)/Cube 1: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 0.239 W/kg

SAR(1 g) = 0.102 mW/g; SAR(10 g) = 0.0719 mW/g

Reference Value = 5.55 V/m

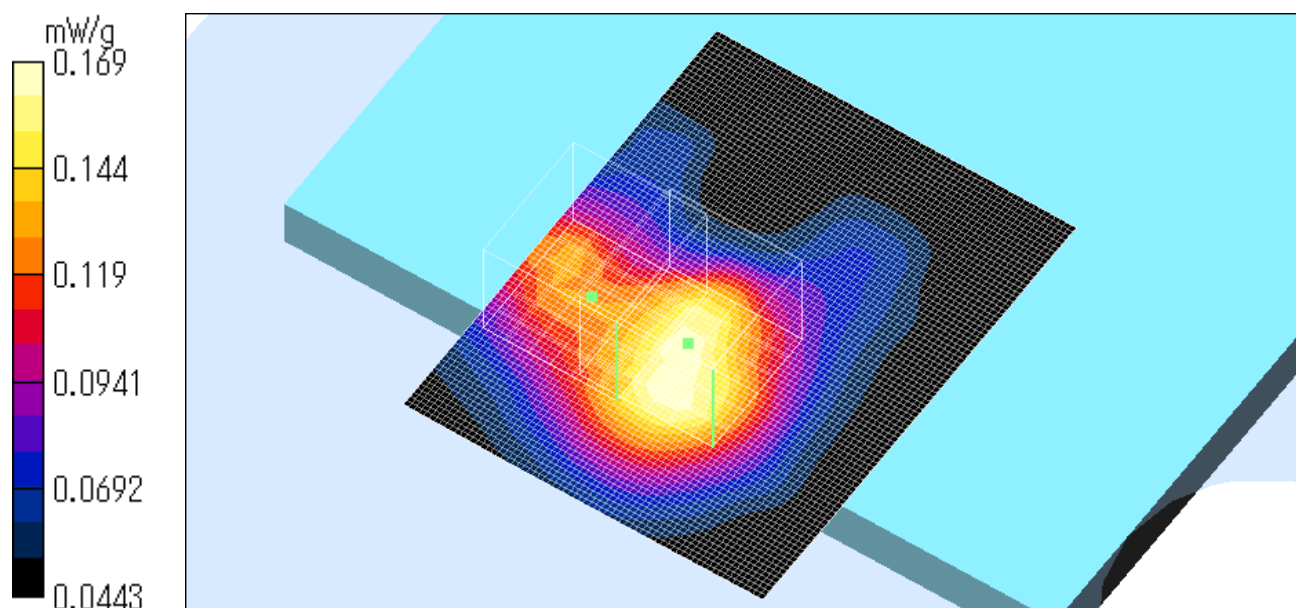
Power Drift = -0.1 dB

Maximum value of SAR = 0.158 mW/g

Test Date = 06/19/04

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 24.5 degree.C , After 24.5 degree.C



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IRF303U / Body / Right Side (HFT18 Antenna 2) / 11.a(64QAM) / 5260MHz

Crest factor: 1

Medium: M5200 ($\sigma = 5.5$ mho/m, $\epsilon_r = 48.8$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.62, 4.62, 4.62); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 1.03 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 1.93 W/kg

SAR(1 g) = 0.582 mW/g; SAR(10 g) = 0.207 mW/g

Maximum value of SAR = 1.06 mW/g

Zoom Scan (7x7x8)/Cube 1: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 1.93 W/kg

SAR(1 g) = 0.488 mW/g; SAR(10 g) = 0.176 mW/g

Maximum value of SAR = 0.982 mW/g

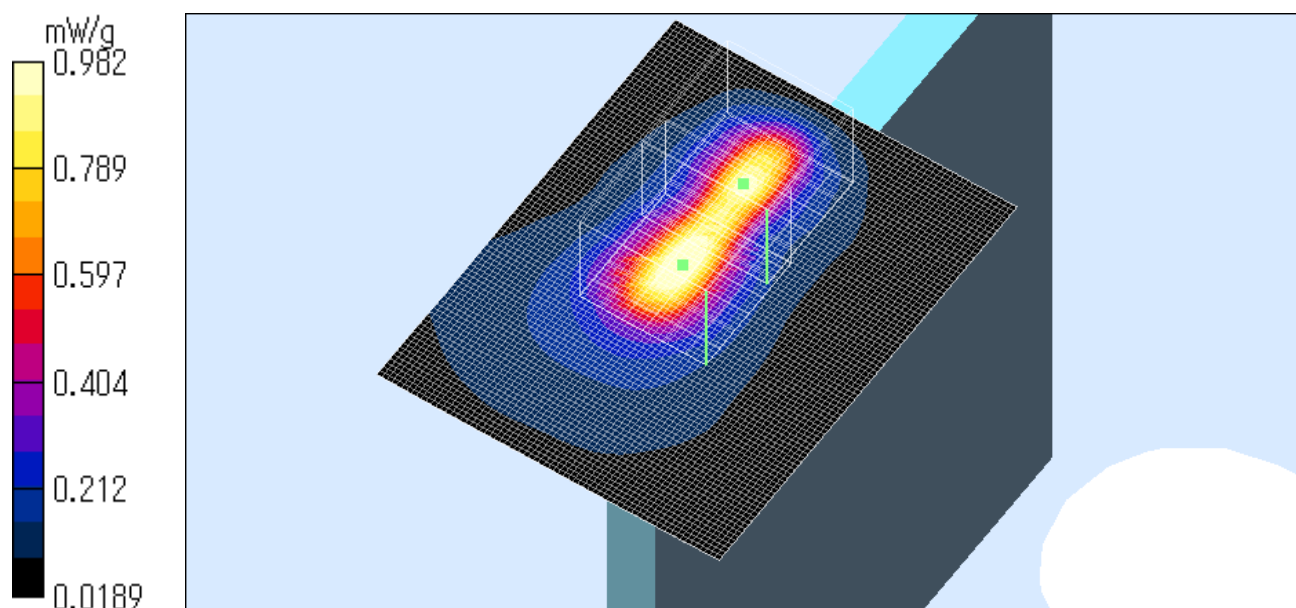
Reference Value = 12 V/m

Power Drift = 0.007 dB

Test Date = 06/19/04

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 24.2 degree.C , After 24.2 degree.C



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IRF303U / Body / Left Front(HFT18 Antenna 1) / 11.a(64QAM) / 5180MHz

Crest factor: 1

Medium: M5200 ($\sigma = 5.5$ mho/m, $\epsilon_r = 48.8$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.62, 4.62, 4.62); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.238 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 0.272 W/kg

SAR(1 g) = 0.0998 mW/g; SAR(10 g) = 0.0569 mW/g

Maximum value of SAR = 0.171 mW/g

Zoom Scan (7x7x8)/Cube 1: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 0.237 W/kg

SAR(1 g) = 0.082 mW/g; SAR(10 g) = 0.0443 mW/g

Maximum value of SAR = 0.14 mW/g

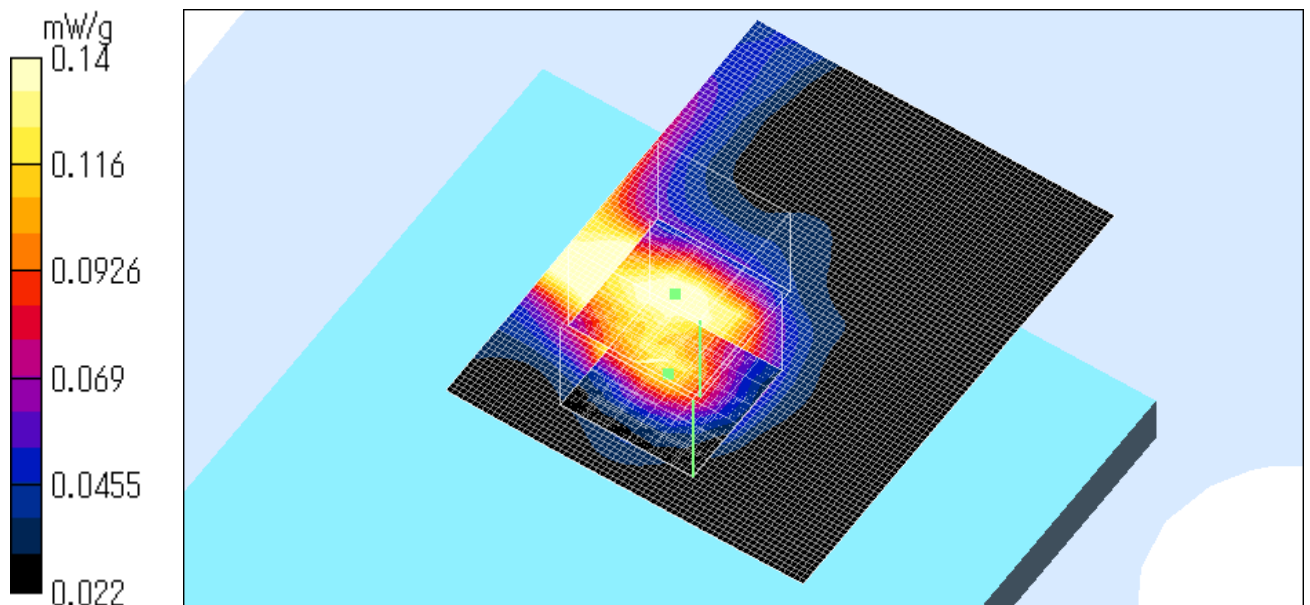
Reference Value = 3.79 V/m

Power Drift = -0.3 dB

Test Date = 06/19/04

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 24.3 degree.C , After 24.3 degree.C



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IRF303U / Body / Left Front(HFT18 Antenna 1) / 11.a(64QAM) / 5320MHz

Crest factor: 1

Medium: M5200 ($\sigma = 5.5$ mho/m, $\epsilon_r = 48.8$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.62, 4.62, 4.62); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.83 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 1.42 W/kg

SAR(1 g) = 0.46 mW/g; SAR(10 g) = 0.169 mW/g

Maximum value of SAR = 0.826 mW/g

Zoom Scan (7x7x8)/Cube 1: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 1.34 W/kg

SAR(1 g) = 0.448 mW/g; SAR(10 g) = 0.205 mW/g

Maximum value of SAR = 0.81 mW/g

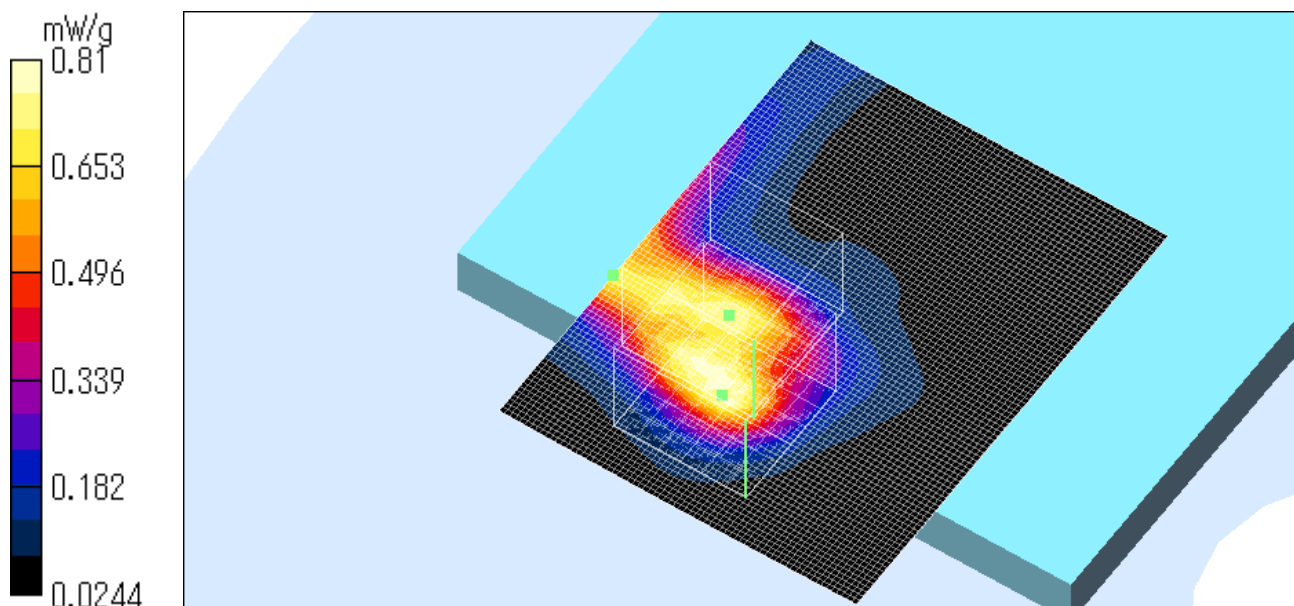
Reference Value = 6.62 V/m

Power Drift = -0.03 dB

Test Date = 06/19/04

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 24.5 degree.C , After 24.5 degree.C



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IRF303U / Body / Left Front (HFT18 Antenna 1) / 11.a(QPSK) / 5260MHz

Crest factor: 1

Medium: M5200 ($\sigma = 5.5$ mho/m, $\epsilon_r = 48.8$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.62, 4.62, 4.62); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.8 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 1.43 W/kg

SAR(1 g) = 0.449 mW/g; SAR(10 g) = 0.188 mW/g

Maximum value of SAR = 0.803 mW/g

Zoom Scan (7x7x8)/Cube 1: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 1.38 W/kg

SAR(1 g) = 0.425 mW/g; SAR(10 g) = 0.174 mW/g

Maximum value of SAR = 0.754 mW/g

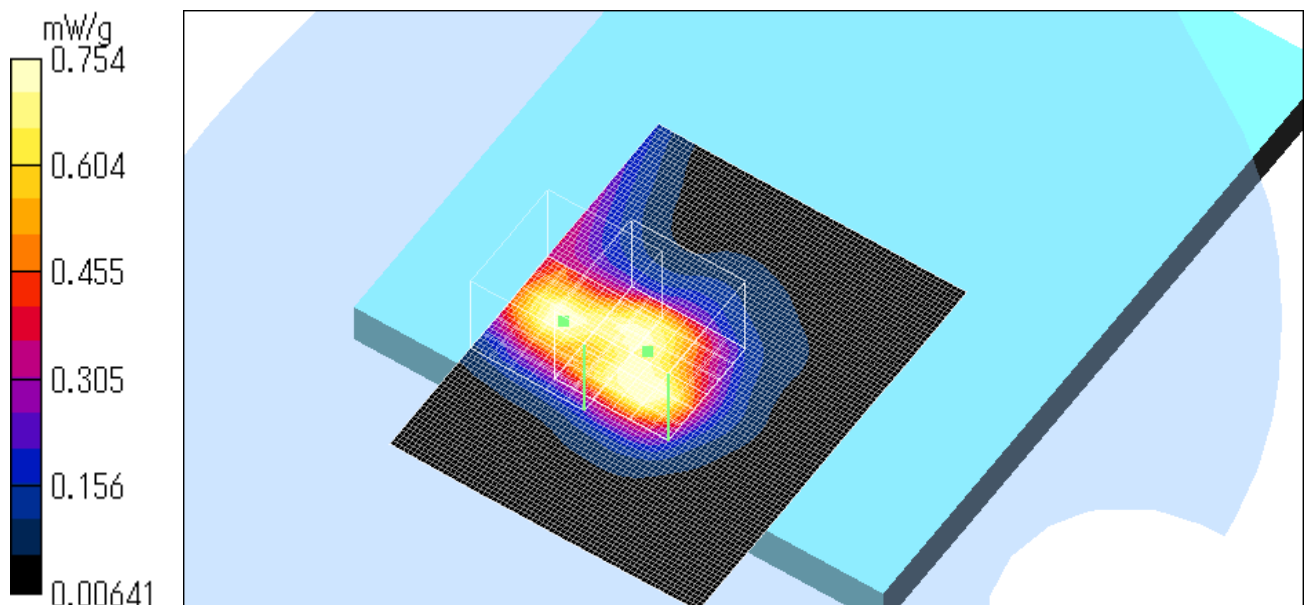
Reference Value = 10.8 V/m

Power Drift = 0.1 dB

Test Date = 06/19/04

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 24.5 degree.C , After 24.5 degree.C



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IRF303U / Body / Left Back (HFT18 Antenna 1) / 11.a(QPSK) / 5260MHz

Crest factor: 1

Medium: M5200 ($\sigma = 5.5$ mho/m, $\epsilon_r = 48.8$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.62, 4.62, 4.62); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.274 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 0.464 W/kg

SAR(1 g) = 0.18 mW/g; SAR(10 g) = 0.101 mW/g

Maximum value of SAR = 0.268 mW/g

Zoom Scan (7x7x8)/Cube 1: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 0.306 W/kg

SAR(1 g) = 0.122 mW/g; SAR(10 g) = 0.0795 mW/g

Maximum value of SAR = 0.172 mW/g

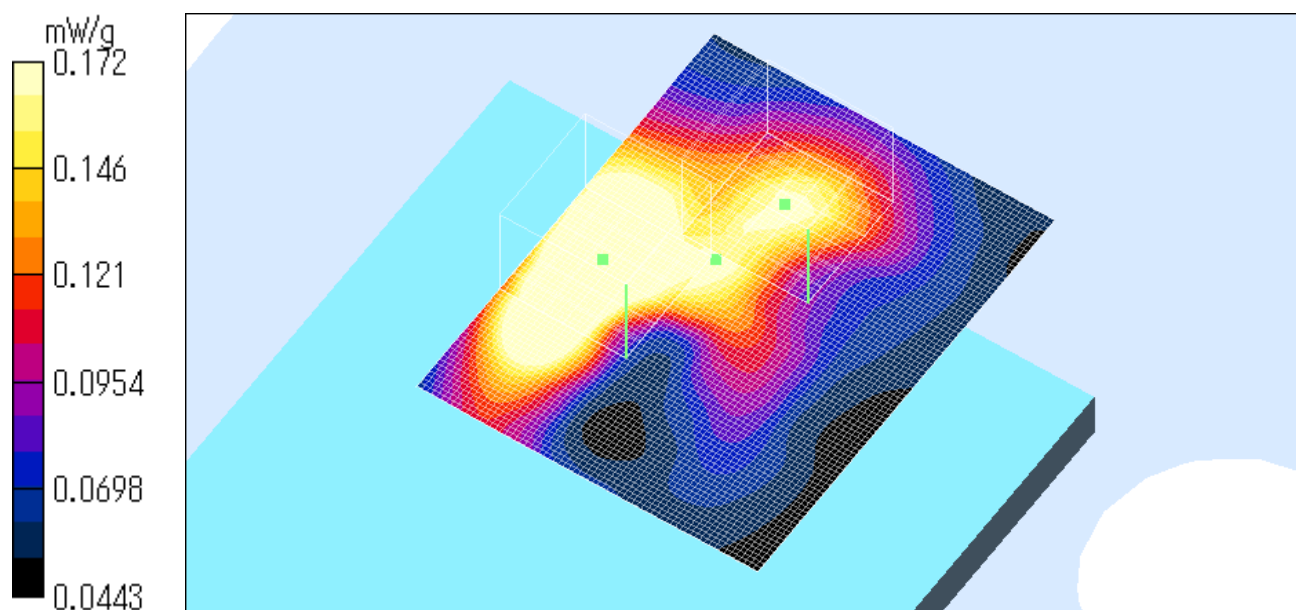
Reference Value = 5.43 V/m

Power Drift = -0.1 dB

Test Date = 06/19/04

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 24.5 degree.C , After 24.5 degree.C



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IRF303U / Body / Left Side (HFT18 Antenna 1) / 11.a(QPSK) / 5260MHz

Crest factor: 1

Medium: M5200 ($\sigma = 5.5$ mho/m, $\epsilon_r = 48.8$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.62, 4.62, 4.62); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 1.13 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 2.6 W/kg

SAR(1 g) = 0.691 mW/g; SAR(10 g) = 0.239 mW/g

Maximum value of SAR = 1.26 mW/g

Zoom Scan (7x7x8)/Cube 1: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 2.53 W/kg

SAR(1 g) = 0.673 mW/g; SAR(10 g) = 0.242 mW/g

Maximum value of SAR = 1.28 mW/g

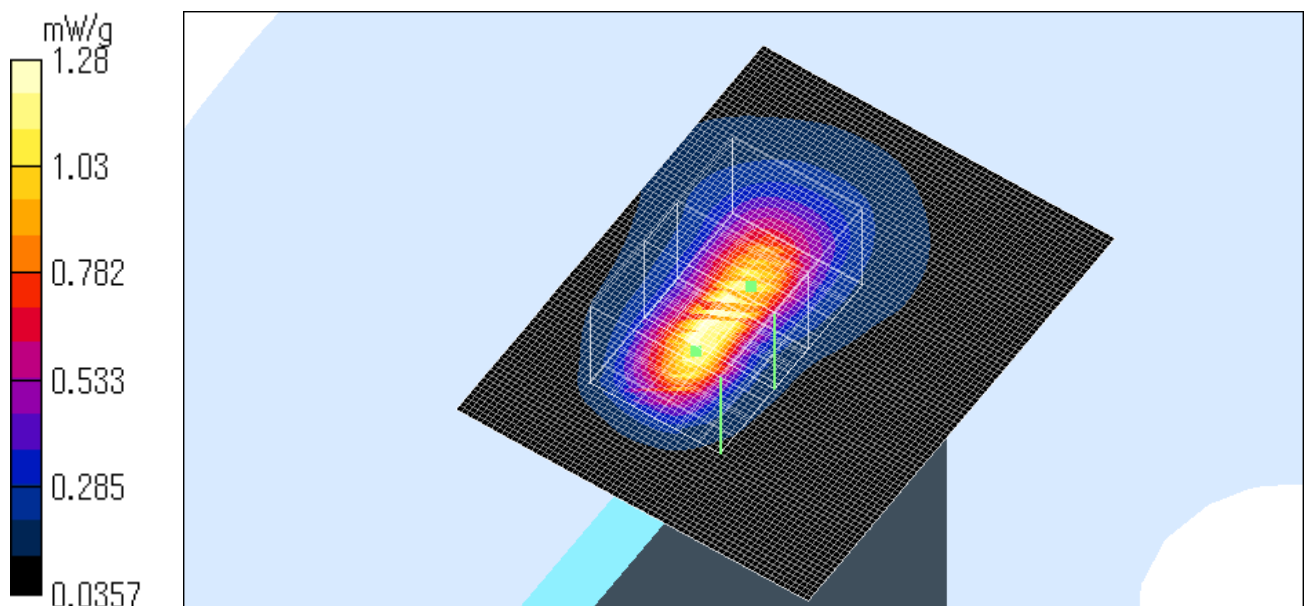
Reference Value = 8.41 V/m

Power Drift = -0.08 dB

Test Date = 06/19/04

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 24.4 degree.C , After 24.4 degree.C



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IRF303U / Body / Right Front (HFT18 Antenna 2) / 11.a(QPSK) / 5260MHz

Crest factor: 1

Medium: M5200 ($\sigma = 5.5$ mho/m, $\epsilon_r = 48.8$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.62, 4.62, 4.62); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 1.23 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 2.11 W/kg

SAR(1 g) = 0.66 mW/g; SAR(10 g) = 0.228 mW/g

Maximum value of SAR = 1.19 mW/g

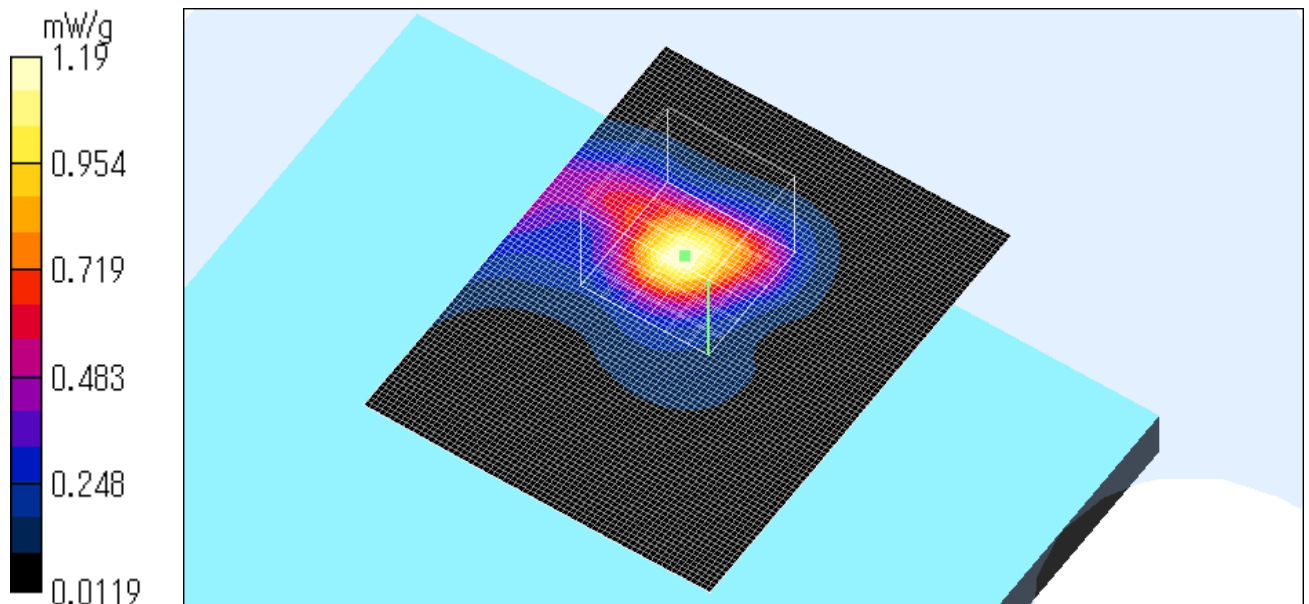
Reference Value = 8.04 V/m

Power Drift = 0.07 dB

Test Date = 06/19/04

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 24.6 degree.C , After 24.6 degree.C



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IRF303U / Body / Right Back (HFT18 Antenna 2) / 11.a(QPSK) / 5260MHz

Crest factor: 1

Medium: M5200 ($\sigma = 5.5$ mho/m, $\epsilon_r = 48.8$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.62, 4.62, 4.62); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.192 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 0.299 W/kg

SAR(1 g) = 0.133 mW/g; SAR(10 g) = 0.0863 mW/g

Maximum value of SAR = 0.19 mW/g

Zoom Scan (7x7x8)/Cube 1: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 0.271 W/kg

SAR(1 g) = 0.112 mW/g; SAR(10 g) = 0.0766 mW/g

Maximum value of SAR = 0.181 mW/g

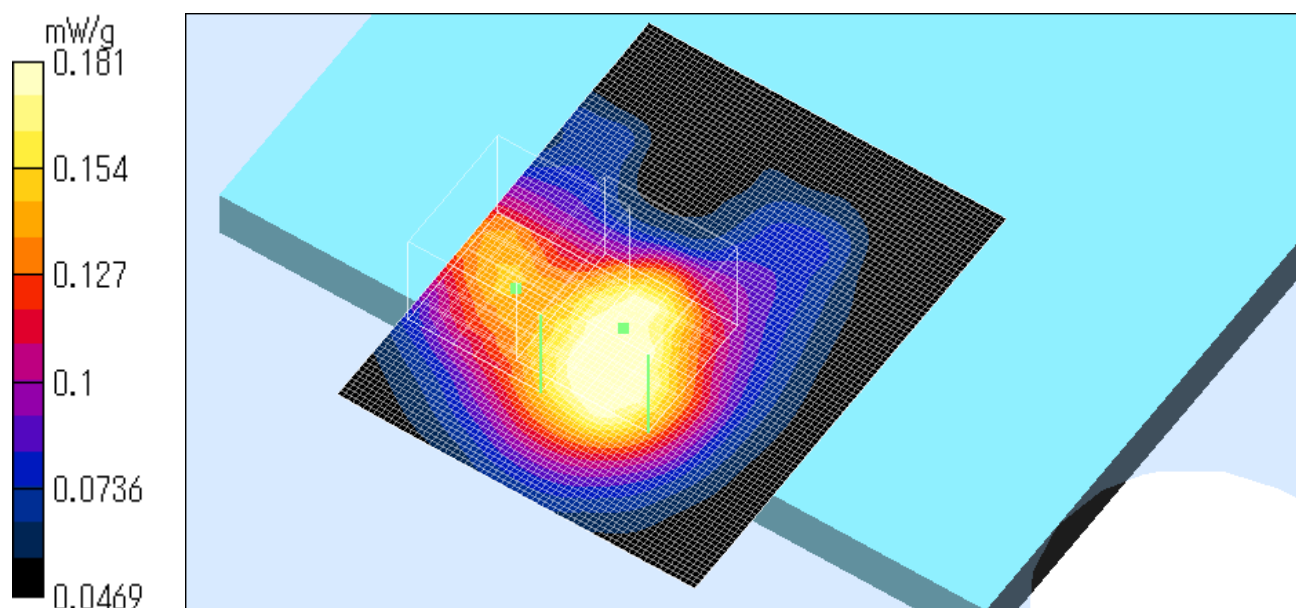
Reference Value = 5.8 V/m

Power Drift = -0.03 dB

Test Date = 06/19/04

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 24.5 degree.C , After 24.5 degree.C



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IRF303U / Body / Right Side (HFT18 Antenna 2) / 11.a(QPSK) / 5260MHz

Crest factor: 1

Medium: M5200 ($\sigma = 5.5$ mho/m, $\epsilon_r = 48.8$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.62, 4.62, 4.62); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 1.12 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 1.98 W/kg

SAR(1 g) = 0.589 mW/g; SAR(10 g) = 0.208 mW/g

Maximum value of SAR = 1.08 mW/g

Zoom Scan (7x7x8)/Cube 1: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 1.88 W/kg

SAR(1 g) = 0.498 mW/g; SAR(10 g) = 0.187 mW/g

Maximum value of SAR = 0.954 mW/g

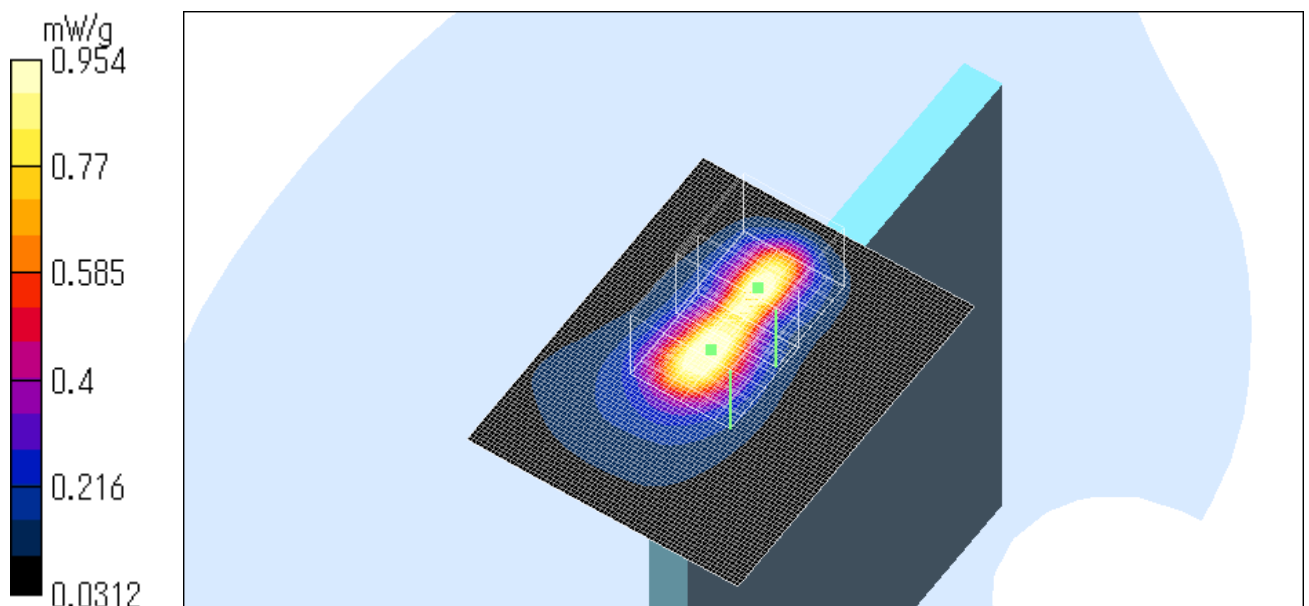
Reference Value = 12.3 V/m

Power Drift = 0.2 dB

Test Date = 06/19/04

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 24.2 degree.C , After 24.2 degree.C



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IRF303U / Body / Left Side (HFT18 Antenna 1) / 11.a (QPSK) / 5180MHz

Crest factor: 1

Medium: M5200 ($\sigma = 5.5$ mho/m, $\epsilon_r = 48.8$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.62, 4.62, 4.62); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.501 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 1.03 W/kg

SAR(1 g) = 0.273 mW/g; SAR(10 g) = 0.114 mW/g

Maximum value of SAR = 0.491 mW/g

Zoom Scan (7x7x8)/Cube 1: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 0.977 W/kg

SAR(1 g) = 0.269 mW/g; SAR(10 g) = 0.0997 mW/g

Maximum value of SAR = 0.483 mW/g

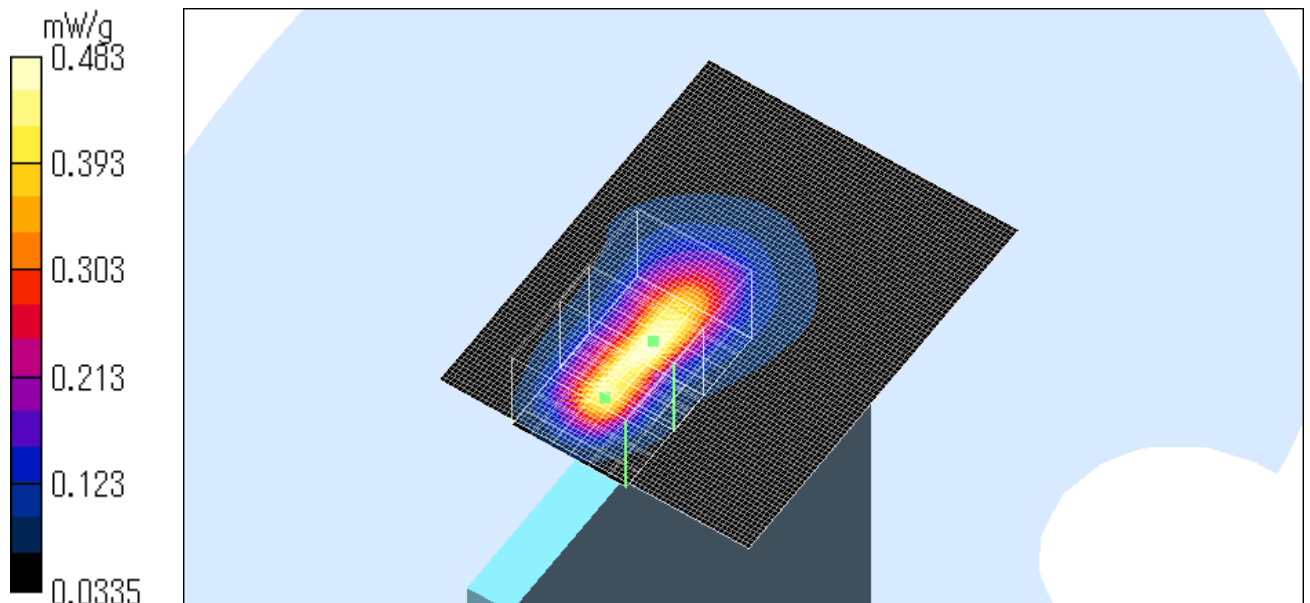
Reference Value = 6.54 V/m

Power Drift = -0.2 dB

Test Date = 06/19/04

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 24.3 degree.C , After 24.3 degree.C



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IRF303U / Body / Left Side (HFT18 Antenna 1) / 11.a(QPSK) / 5320MHz

Crest factor: 1

Medium: M5200 ($\sigma = 5.5$ mho/m, $\epsilon_r = 48.8$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.62, 4.62, 4.62); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 1.35 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 2.95 W/kg

SAR(1 g) = 0.764 mW/g; SAR(10 g) = 0.269 mW/g

Maximum value of SAR = 1.59 mW/g

Zoom Scan (7x7x8)/Cube 1: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 3.01 W/kg

SAR(1 g) = 0.754 mW/g; SAR(10 g) = 0.231 mW/g

Maximum value of SAR = 1.44 mW/g

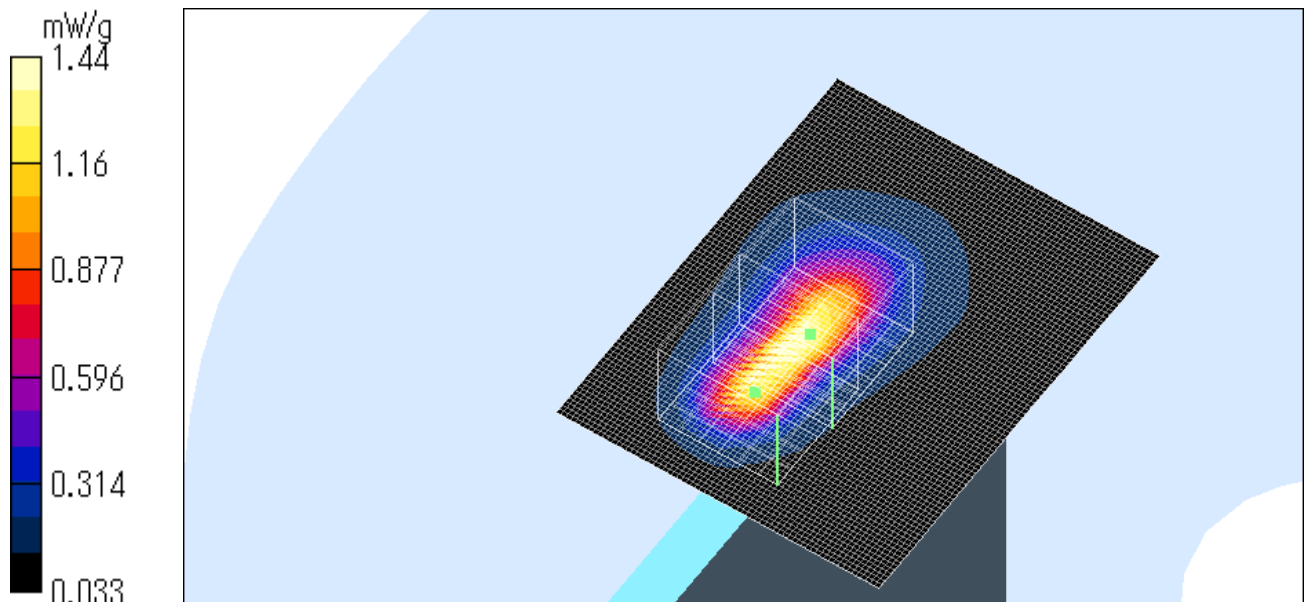
Reference Value = 11.4 V/m

Power Drift = -0.08 dB

Test Date = 06/19/04

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 24.6 degree.C , After 24.6 degree.C



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Z-axis scan at max SAR location (HFT18 Antenna)

IRF303U / Body / Left Side (HFT18 Antenna 1) / 11.a(QPSK) / 5320MHz

Crest factor: 1

Medium: M5200 ($\sigma = 5.5$ mho/m, $\epsilon_r = 48.8$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

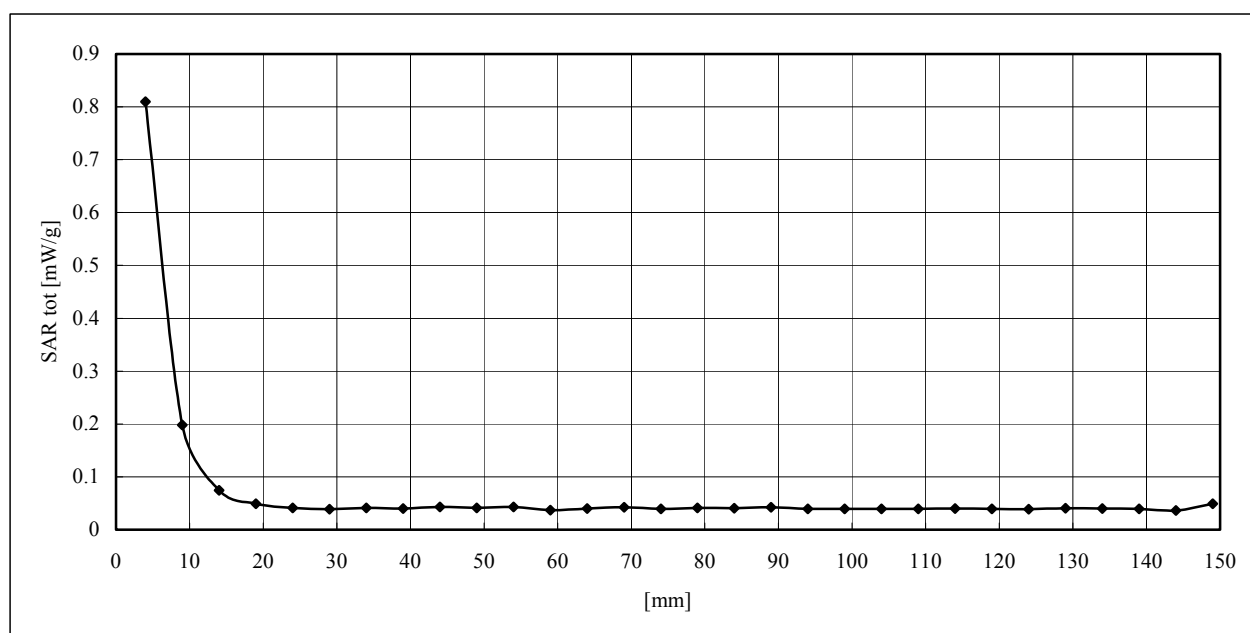
DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.62, 4.62, 4.62); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115



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APPENDIX 7 : SAR Measurement data of HFT18 (IEEE 802.11a : 5.725-5.825GHz)

IRF303U / Body / Left Front (HFT18 Antenna 1) / 11.a(64QAM) / 5765MHz

Crest factor: 1

Medium: M5800 ($\sigma = 6.3$ mho/m, $\epsilon_r = 46.2$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.21, 4.21, 4.21); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.436 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 0.838 W/kg

SAR(1 g) = 0.24 mW/g; SAR(10 g) = 0.102 mW/g

Maximum value of SAR = 0.433 mW/g

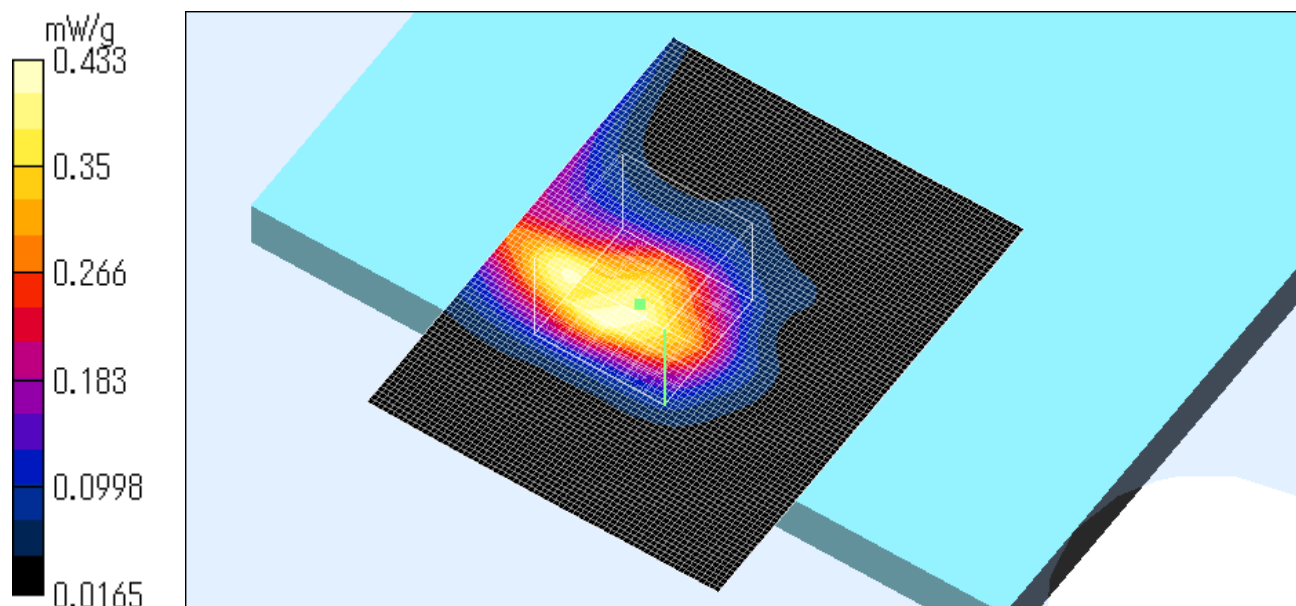
Reference Value = 7.17 V/m

Power Drift = -0.09 dB

Test Date = 06/20/04

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 24.2 degree.C , After 24.2 degree.C



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IRF303U / Body / Left Back (HFT18 Antenna 1) / 11.a(64QAM) / 5765MHz

Crest factor: 1

Medium: M5800 ($\sigma = 6.3$ mho/m, $\epsilon_r = 46.2$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.21, 4.21, 4.21); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.143 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 0.585 W/kg

SAR(1 g) = 0.108 mW/g; SAR(10 g) = 0.0762 mW/g

Maximum value of SAR = 0.143 mW/g

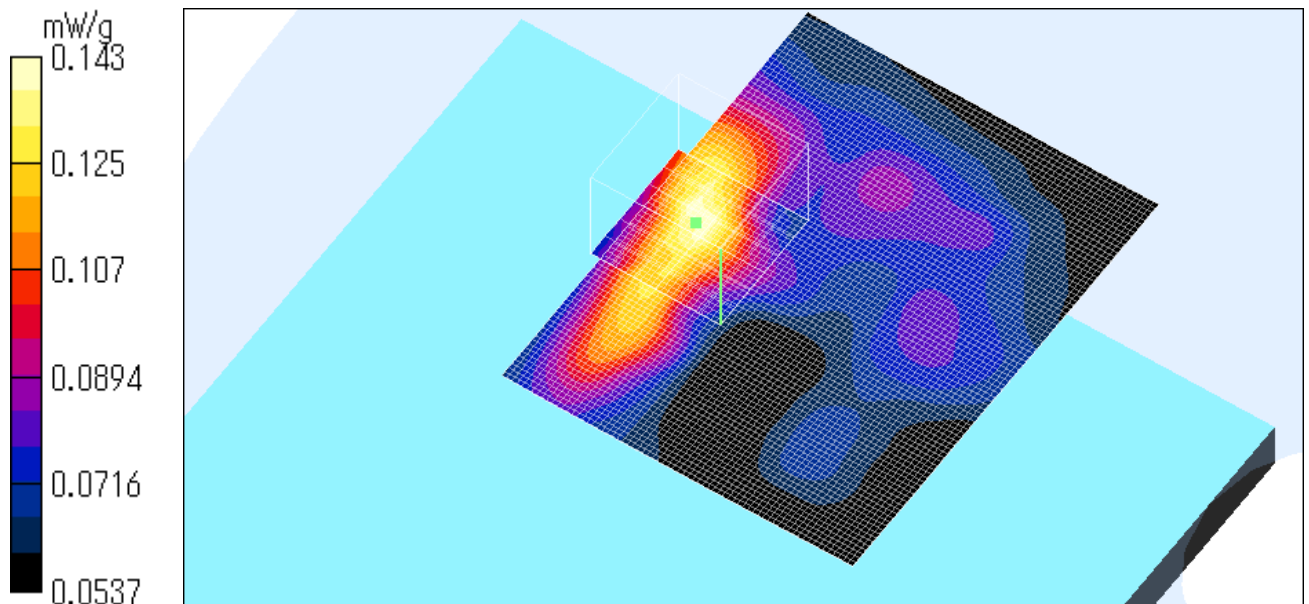
Reference Value = 3.59 V/m

Power Drift = -0.2 dB

Test Date = 06/20/04

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 24.5 degree.C , After 24.5 degree.C



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IRF303U / Body / Left Side (HFT18 Antenna 1) / 11.a(64QAM) / 5765MHz

Crest factor: 1

Medium: M5800 ($\sigma = 6.3$ mho/m, $\epsilon_r = 46.2$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.21, 4.21, 4.21); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.707 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 2.05 W/kg

SAR(1 g) = 0.45 mW/g; SAR(10 g) = 0.183 mW/g

Maximum value of SAR = 0.785 mW/g

Zoom Scan (7x7x8)/Cube 1: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 2.13 W/kg

SAR(1 g) = 0.425 mW/g; SAR(10 g) = 0.165 mW/g

Maximum value of SAR = 0.881 mW/g

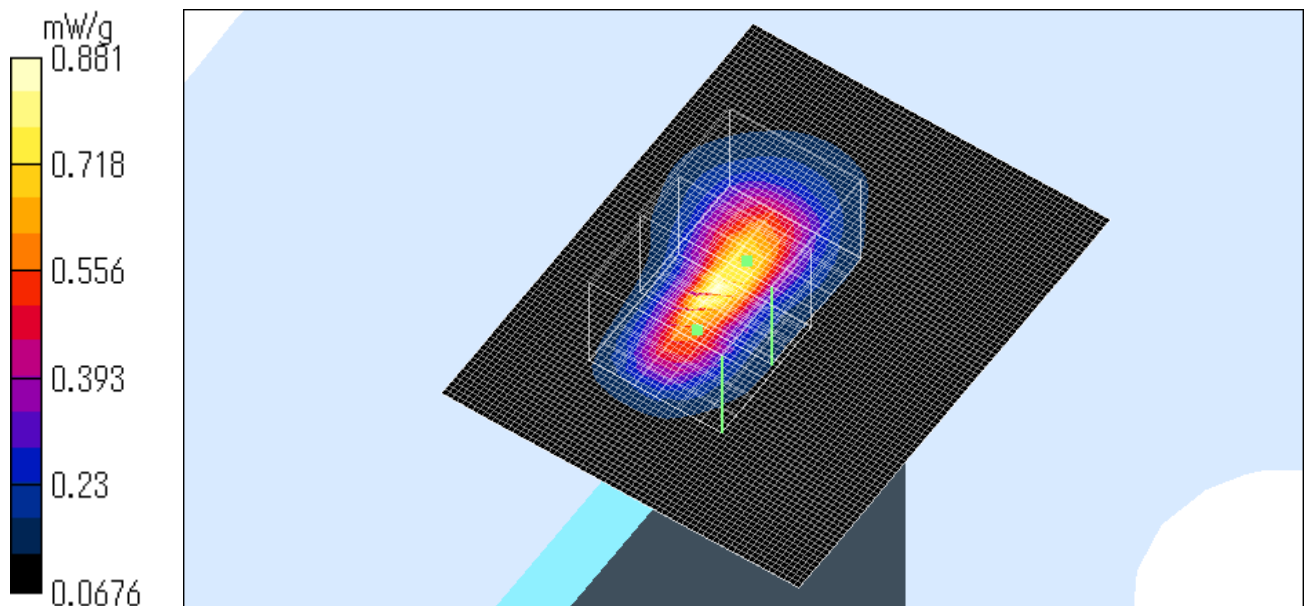
Reference Value = 6.65 V/m

Power Drift = -0.1 dB

Test Date = 06/20/04

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 24.4 degree.C , After 24.4 degree.C



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IRF303U / Body / Right Front (HFT18 Antenna 2) / 11.a(64QAM) / 5765MHz

Crest factor: 1

Medium: M5800 ($\sigma = 6.3$ mho/m, $\epsilon_r = 46.2$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.21, 4.21, 4.21); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.502 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 1.05 W/kg

SAR(1 g) = 0.279 mW/g; SAR(10 g) = 0.102 mW/g

Maximum value of SAR = 0.51 mW/g

Zoom Scan (7x7x8)/Cube 1: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 0.722 W/kg

SAR(1 g) = 0.204 mW/g; SAR(10 g) = 0.0815 mW/g

Maximum value of SAR = 0.373 mW/g

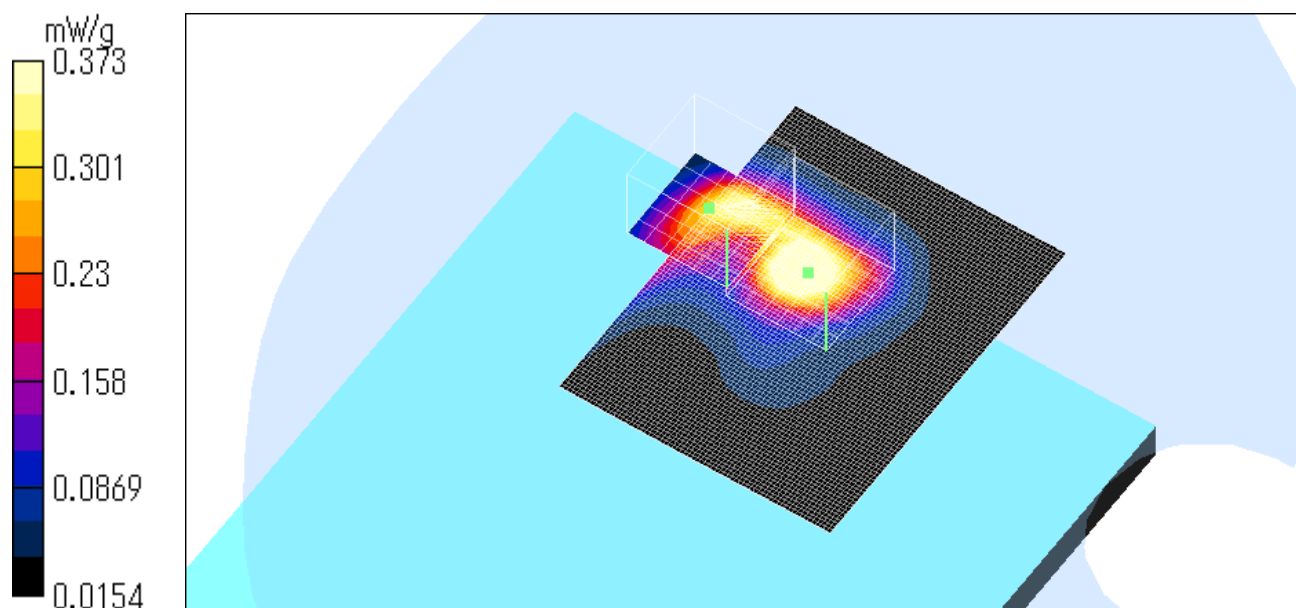
Reference Value = 5.08 V/m

Power Drift = -0.1 dB

Test Date = 06/20/04

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 24.5 degree.C , After 24.5 degree.C



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IRF303U / Body / Right Back (HFT18 Antenna 2) / 11.a(64QAM) / 5765MHz

Crest factor: 1

Medium: M5800 ($\sigma = 6.3$ mho/m, $\epsilon_r = 46.2$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.21, 4.21, 4.21); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.156 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 0.428 W/kg

SAR(1 g) = 0.12 mW/g; SAR(10 g) = 0.0793 mW/g

Maximum value of SAR = 0.158 mW/g

Zoom Scan (7x7x8)/Cube 1: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 0.239 W/kg

SAR(1 g) = 0.0941 mW/g; SAR(10 g) = 0.0718 mW/g

Maximum value of SAR = 0.123 mW/g

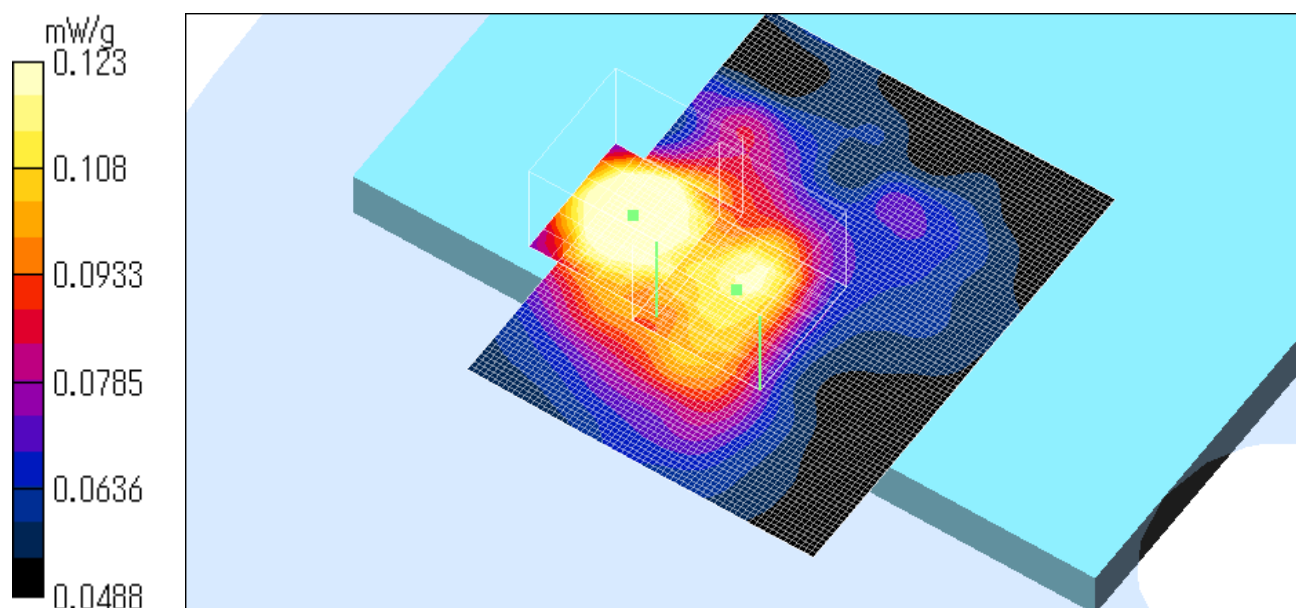
Reference Value = 4.39 V/m

Power Drift = -0.2 dB

Test Date = 06/20/04

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 24.5 degree.C , After 24.5 degree.C



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IRF303U / Body / Right Side (HFT18 Antenna 2) / 11.a(64QAM) / 5765MHz

Crest factor: 1

Medium: M5800 ($\sigma = 6.3$ mho/m, $\epsilon_r = 46.2$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.21, 4.21, 4.21); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.731 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 1.58 W/kg

SAR(1 g) = 0.417 mW/g; SAR(10 g) = 0.165 mW/g

Maximum value of SAR = 0.739 mW/g

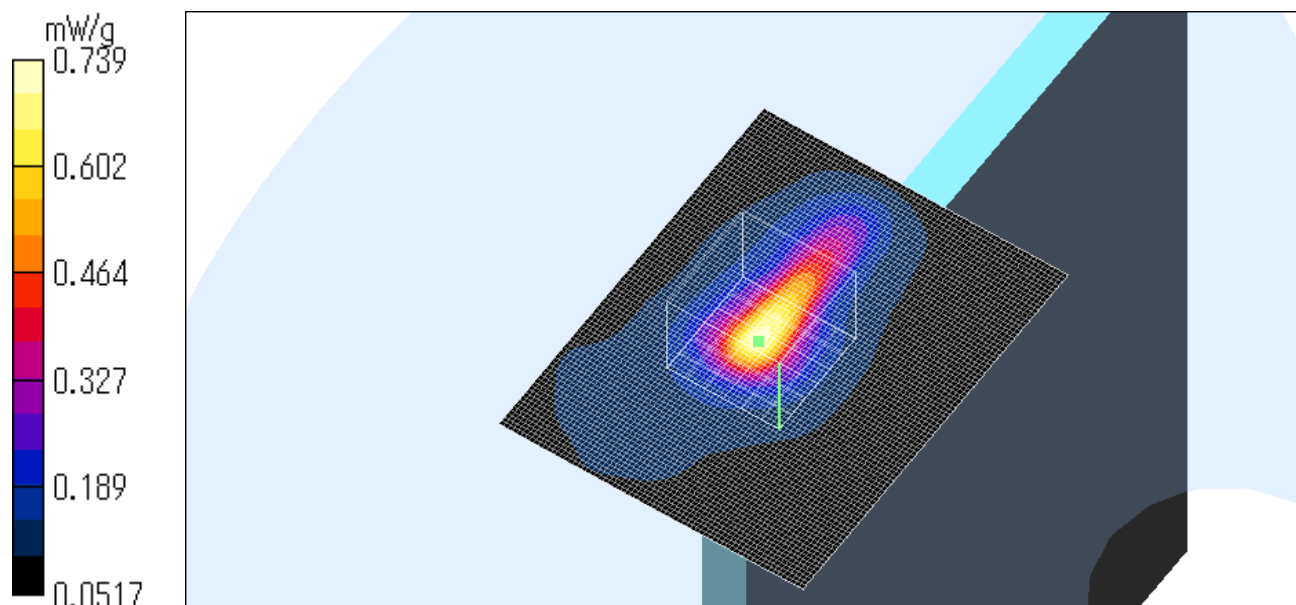
Reference Value = 9.51 V/m

Power Drift = 0.04 dB

Test Date = 06/20/04

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 24.5 degree.C , After 24.5 degree.C



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IRF303U / Body / Left Side (HFT18 Antenna 1) / 11.a (64QAM) / 5745MHz

Crest factor: 1

Medium: M5800 ($\sigma = 6.3$ mho/m, $\epsilon_r = 46.2$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.21, 4.21, 4.21); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.807 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 2.15 W/kg

SAR(1 g) = 0.464 mW/g; SAR(10 g) = 0.169 mW/g

Maximum value of SAR = 0.916 mW/g

Zoom Scan (7x7x8)/Cube 1: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 2.21 W/kg

SAR(1 g) = 0.411 mW/g; SAR(10 g) = 0.138 mW/g

Maximum value of SAR = 0.845 mW/g

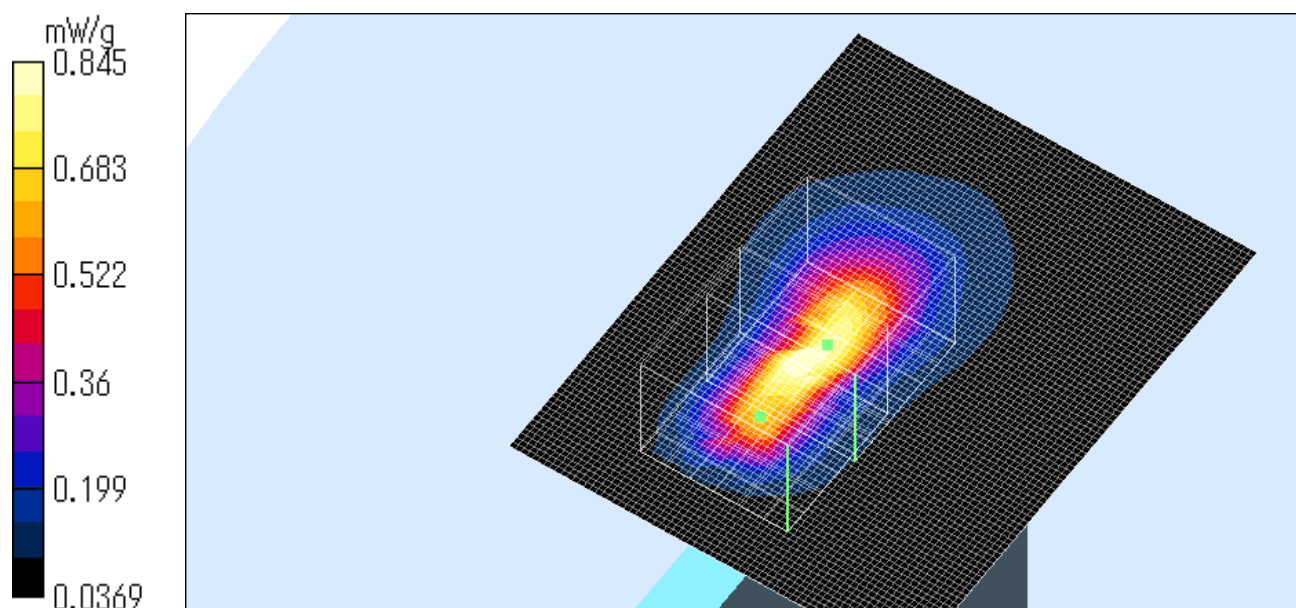
Reference Value = 8.2 V/m

Power Drift = -0.2 dB

Test Date = 06/20/04

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 24.5 degree.C , After 24.5 degree.C



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IRF303U / Body / Left Side (HFT18 Antenna 1) / 11.a(64QAM) / 5805MHz

Crest factor: 1

Medium: M5800 ($\sigma = 6.3$ mho/m, $\epsilon_r = 46.2$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.21, 4.21, 4.21); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.724 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 1.94 W/kg

SAR(1 g) = 0.418 mW/g; SAR(10 g) = 0.152 mW/g

Maximum value of SAR = 0.861 mW/g

Zoom Scan (7x7x8)/Cube 1: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 2.05 W/kg

SAR(1 g) = 0.385 mW/g; SAR(10 g) = 0.13 mW/g

Maximum value of SAR = 0.774 mW/g

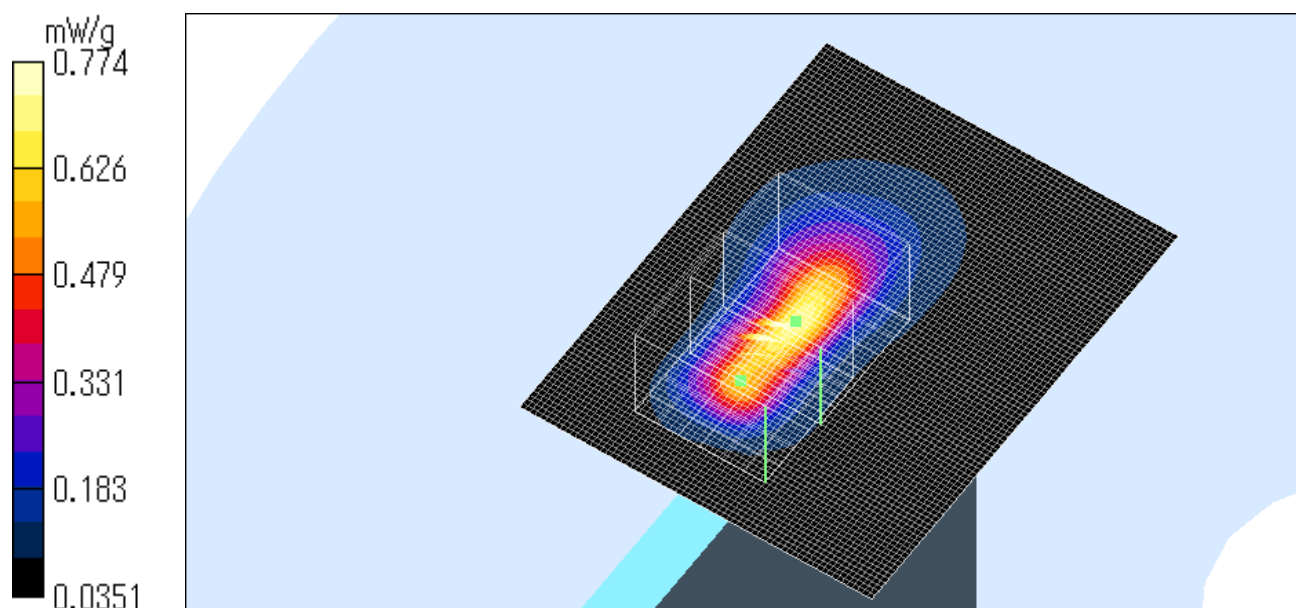
Reference Value = 7.38 V/m

Power Drift = 0.08 dB

Test Date = 06/20/04

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 24.5 degree.C , After 24.5 degree.C



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IRF303U / Body / Left Front (HFT18 Antenna 1) / 11.a(QPSK) / 5765MHz

Crest factor: 1

Medium: M5800 ($\sigma = 6.3$ mho/m, $\epsilon_r = 46.2$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.21, 4.21, 4.21); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.398 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 0.798 W/kg

SAR(1 g) = 0.223 mW/g; SAR(10 g) = 0.0886 mW/g

Maximum value of SAR = 0.398 mW/g

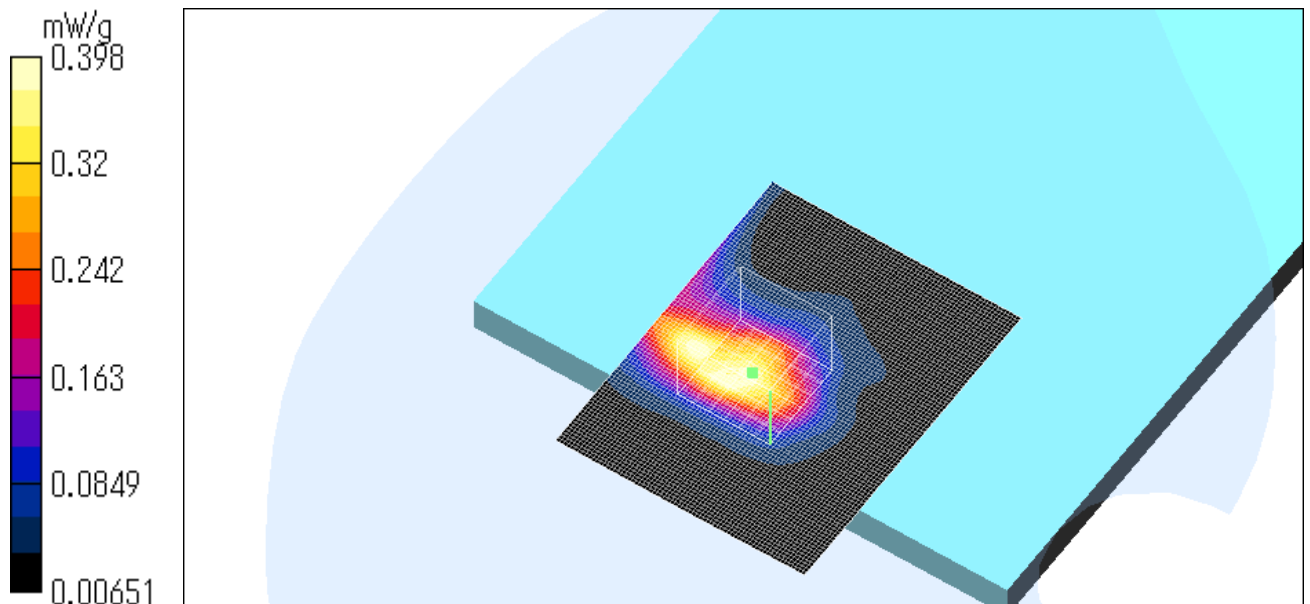
Reference Value = 6.94 V/m

Power Drift = -0.3 dB

Test Date = 06/20/04

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 24.2 degree.C , After 24.2 degree.C



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IRF303U / Body / Left Back (HFT18 Antenna 1) / 11.a(QPSK) / 5765MHz

Crest factor: 1

Medium: M5800 ($\sigma = 6.3$ mho/m, $\epsilon_r = 46.2$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.21, 4.21, 4.21); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.143 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 0.366 W/kg

SAR(1 g) = 0.108 mW/g; SAR(10 g) = 0.0749 mW/g

Maximum value of SAR = 0.149 mW/g

Zoom Scan (7x7x8)/Cube 1: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 0.751 W/kg

SAR(1 g) = 0.11 mW/g; SAR(10 g) = 0.072 mW/g

Maximum value of SAR = 0.128 mW/g

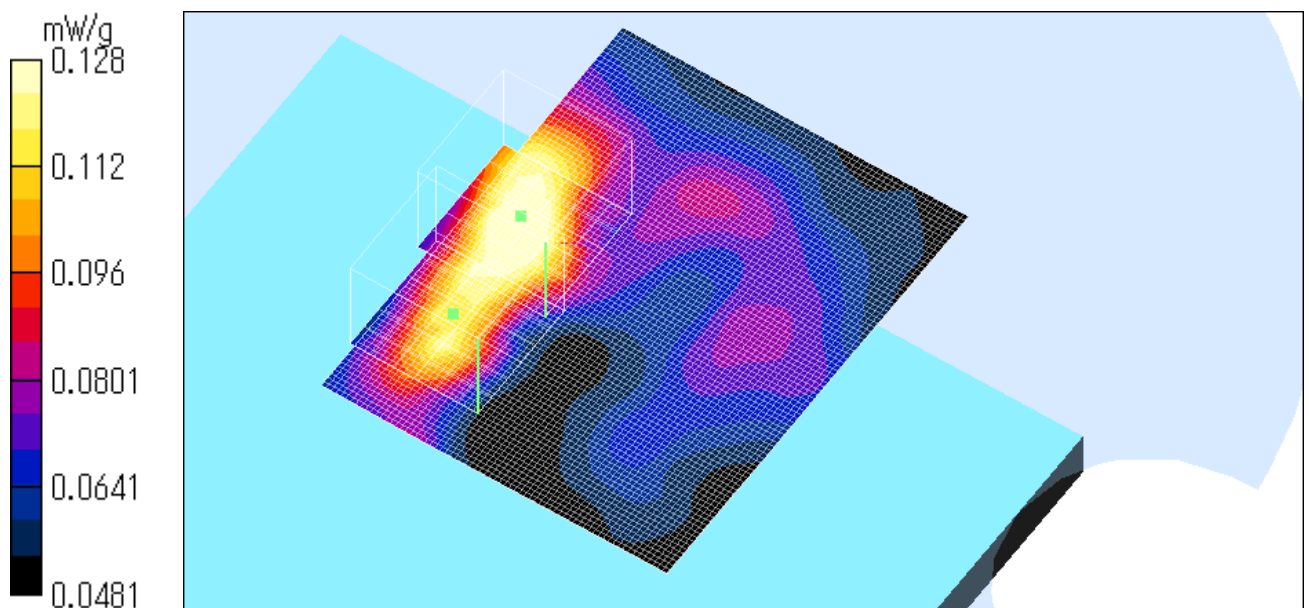
Reference Value = 3.58 V/m

Power Drift = 0.2 dB

Test Date = 06/20/04

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 24.5 degree.C , After 24.5 degree.C



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IRF303U / Body / Left Side (HFT18 Antenna 1) / 11.a(QPSK) / 5765MHz

Crest factor: 1

Medium: M5800 ($\sigma = 6.3$ mho/m, $\epsilon_r = 46.2$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.21, 4.21, 4.21); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.724 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 2.21 W/kg

SAR(1 g) = 0.491 mW/g; SAR(10 g) = 0.196 mW/g

Maximum value of SAR = 0.855 mW/g

Zoom Scan (7x7x8)/Cube 1: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 2.16 W/kg

SAR(1 g) = 0.451 mW/g; SAR(10 g) = 0.169 mW/g

Maximum value of SAR = 0.931 mW/g

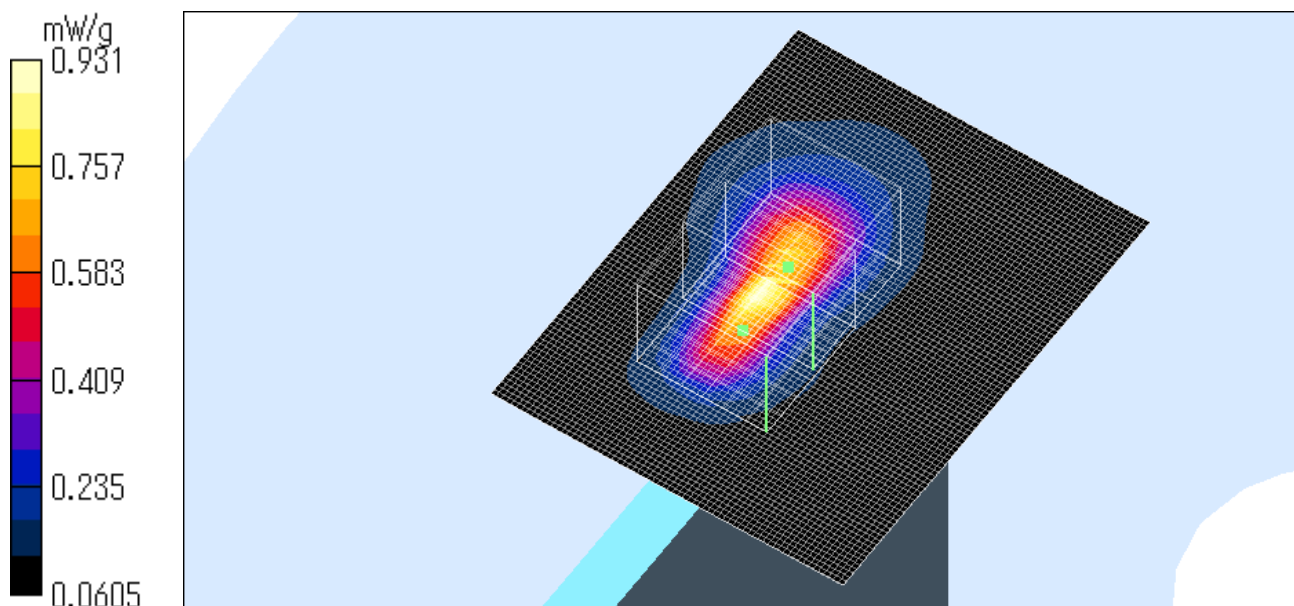
Reference Value = 6.8 V/m

Power Drift = -0.02 dB

Test Date = 06/20/04

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 24.4 degree.C , After 24.4 degree.C



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Z-axis scan at max SAR location (HFT18 Antenna)

IRF303U / Body / Left Side (HFT18 Antenna 1) / 11.a(QPSK) / 5765MHz

Crest factor: 1

Medium: M5800 ($\sigma = 6.3$ mho/m, $\epsilon_r = 46.2$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

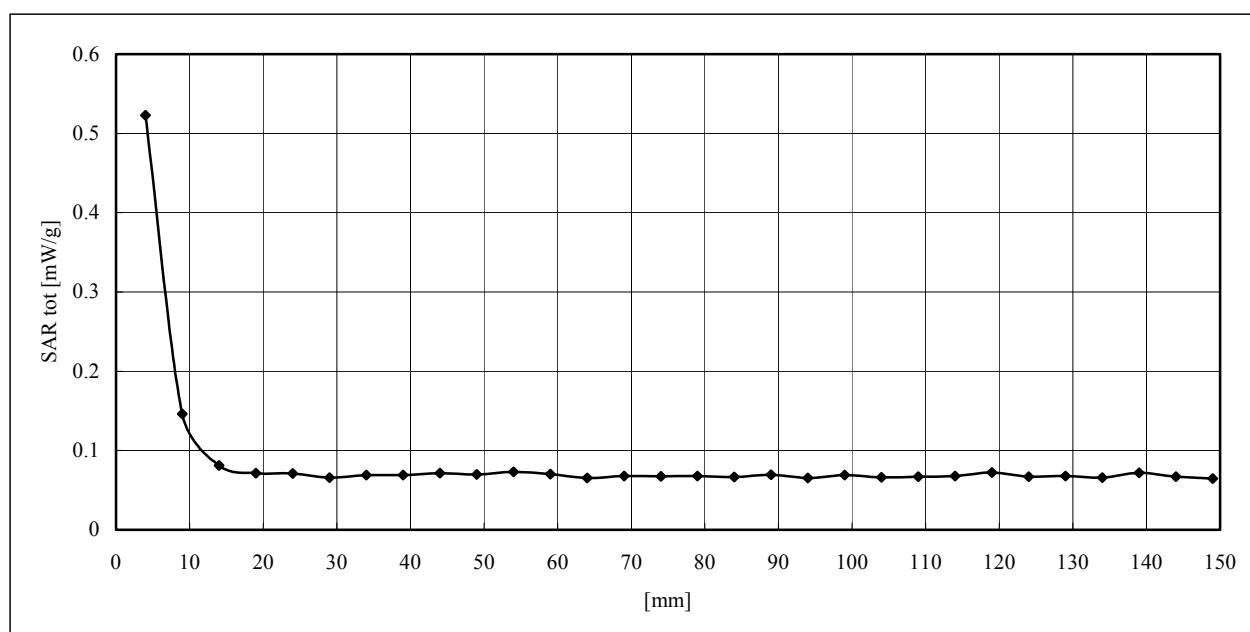
DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.21, 4.21, 4.21); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115



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IRF303U / Body / Right Front (HFT18 Antenna 2) / 11.a(QPSK) / 5765MHz

Crest factor: 1

Medium: M5800 ($\sigma = 6.3$ mho/m, $\epsilon_r = 46.2$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.21, 4.21, 4.21); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.481 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 1 W/kg

SAR(1 g) = 0.271 mW/g; SAR(10 g) = 0.0995 mW/g

Maximum value of SAR = 0.493 mW/g

Zoom Scan (7x7x8)/Cube 1: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 0.711 W/kg

SAR(1 g) = 0.201 mW/g; SAR(10 g) = 0.0811 mW/g

Maximum value of SAR = 0.356 mW/g

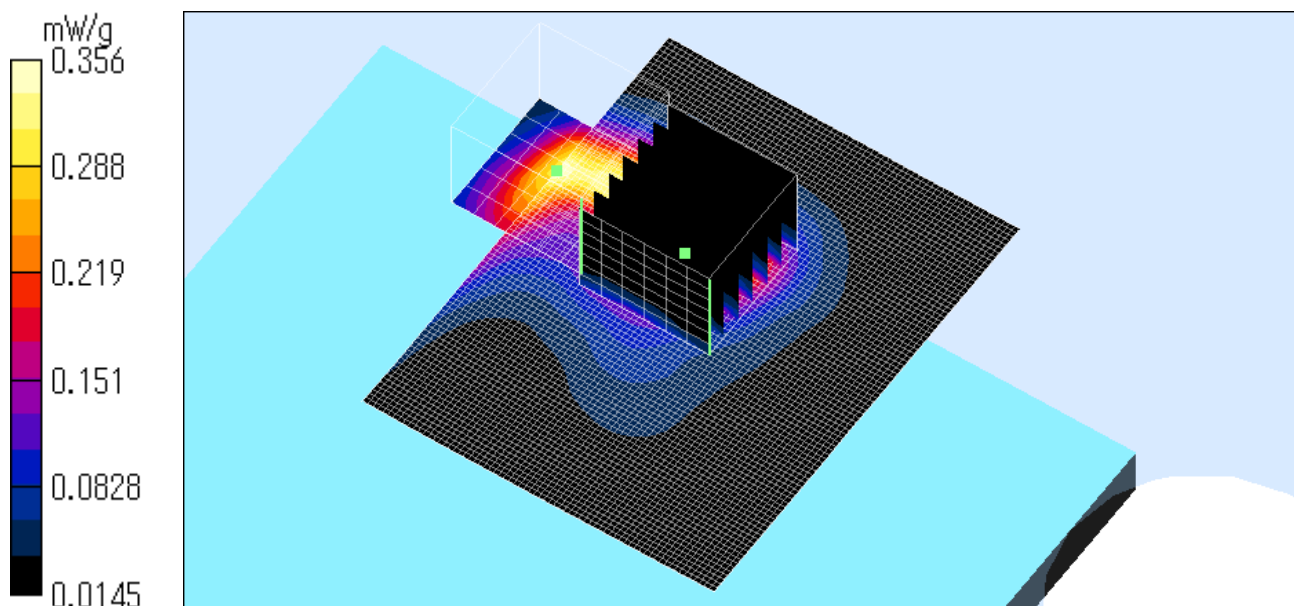
Reference Value = 5 V/m

Power Drift = -0.2 dB

Test Date = 06/20/04

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 24.6 degree.C , After 24.6 degree.C



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IRF303U / Body / Right Back (HFT18 Antenna 2) / 11.a(QPSK) / 5765MHz

Crest factor: 1

Medium: M5800 ($\sigma = 6.3$ mho/m, $\epsilon_r = 46.2$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.21, 4.21, 4.21); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.153 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 0.439 W/kg

SAR(1 g) = 0.116 mW/g; SAR(10 g) = 0.0742 mW/g

Maximum value of SAR = 0.161 mW/g

Zoom Scan (7x7x8)/Cube 1: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 0.268 W/kg

SAR(1 g) = 0.0948 mW/g; SAR(10 g) = 0.0693 mW/g

Maximum value of SAR = 0.122 mW/g

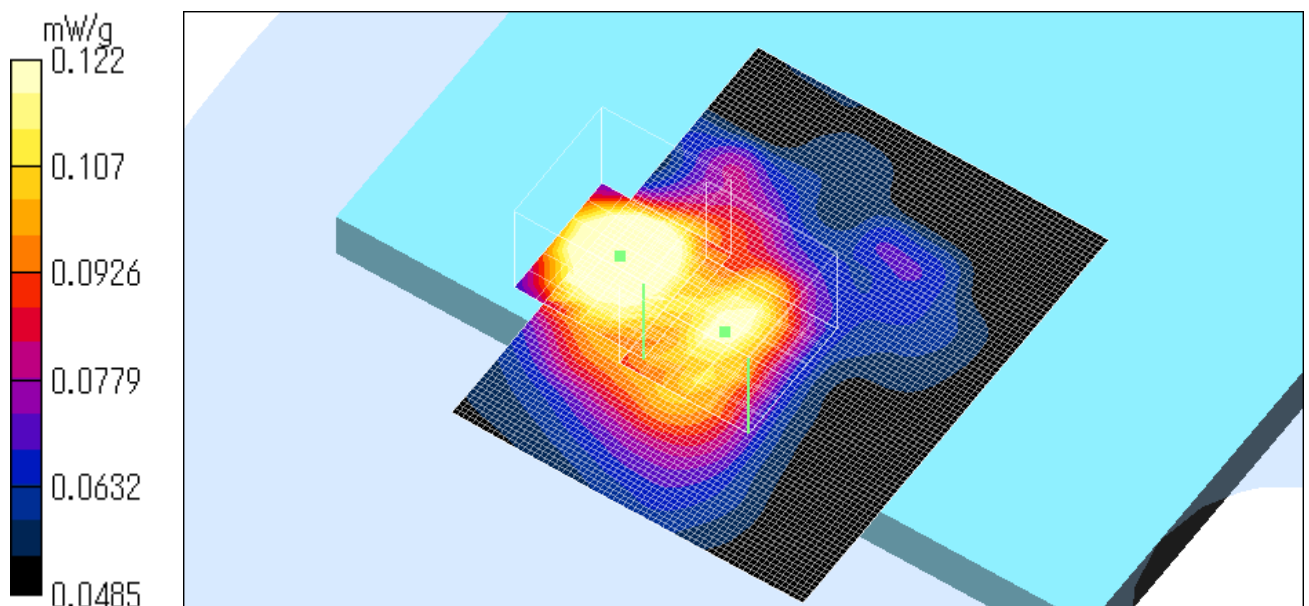
Reference Value = 4.32 V/m

Power Drift = -0.2 dB

Test Date = 06/20/04

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 24.5 degree.C , After 24.5 degree.C



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IRF303U / Body / Right Side (HFT18 Antenna 2) / 11.a(QPSK) / 5765MHz

Crest factor: 1

Medium: M5800 ($\sigma = 6.3$ mho/m, $\epsilon_r = 46.2$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.21, 4.21, 4.21); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.71 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 1.57 W/kg

SAR(1 g) = 0.412 mW/g; SAR(10 g) = 0.174 mW/g

Maximum value of SAR = 0.685 mW/g

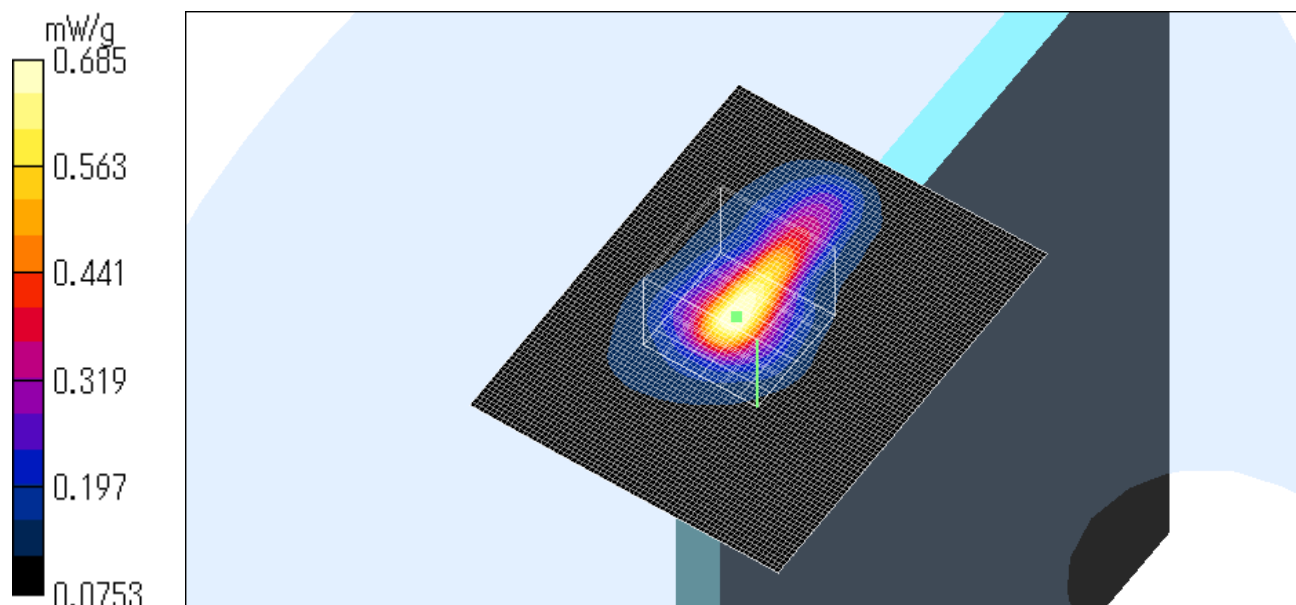
Reference Value = 9.3 V/m

Power Drift = -0.009 dB

Test Date = 06/20/04

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 24.5 degree.C , After 24.5 degree.C



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IRF303U / Body / Left Side (HFT18 Antenna 1)/ 11.a (QPSK) / 5745MHz

Crest factor: 1

Medium: M5800 ($\sigma = 6.3$ mho/m, $\epsilon_r = 46.2$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.21, 4.21, 4.21); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.817 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 2.1 W/kg

SAR(1 g) = 0.466 mW/g; SAR(10 g) = 0.169 mW/g

Maximum value of SAR = 0.953 mW/g

Zoom Scan (7x7x8)/Cube 1: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 2.2 W/kg

SAR(1 g) = 0.412 mW/g; SAR(10 g) = 0.136 mW/g

Maximum value of SAR = 0.863 mW/g

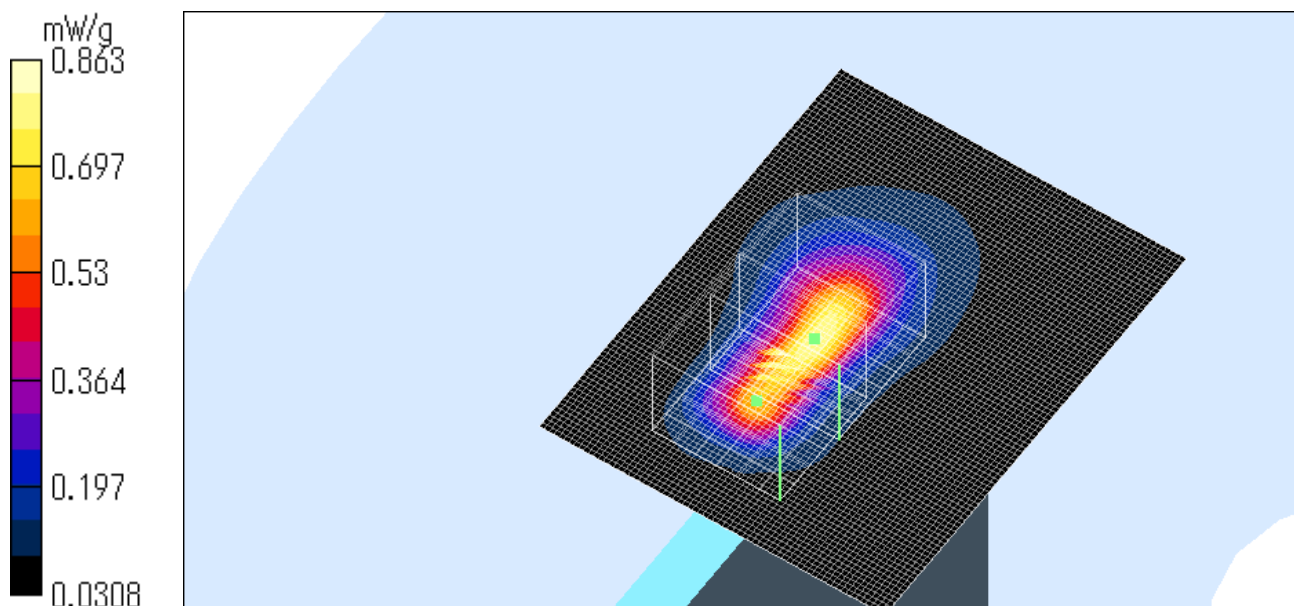
Reference Value = 8.47 V/m

Power Drift = -0.2 dB

Test Date = 06/20/04

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 24.5 degree.C , After 24.5 degree.C



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IRF303U / Body / Left Side (HFT18 Antenna 1) / 11.a(QPSK) / 5805MHz

Crest factor: 1

Medium: M5800 ($\sigma = 6.3$ mho/m, $\epsilon_r = 46.2$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.21, 4.21, 4.21); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 0.771 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 2.17 W/kg

SAR(1 g) = 0.448 mW/g; SAR(10 g) = 0.156 mW/g

Maximum value of SAR = 0.917 mW/g

Zoom Scan (7x7x8)/Cube 1: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 2.15 W/kg

SAR(1 g) = 0.4 mW/g; SAR(10 g) = 0.131 mW/g

Maximum value of SAR = 0.837 mW/g

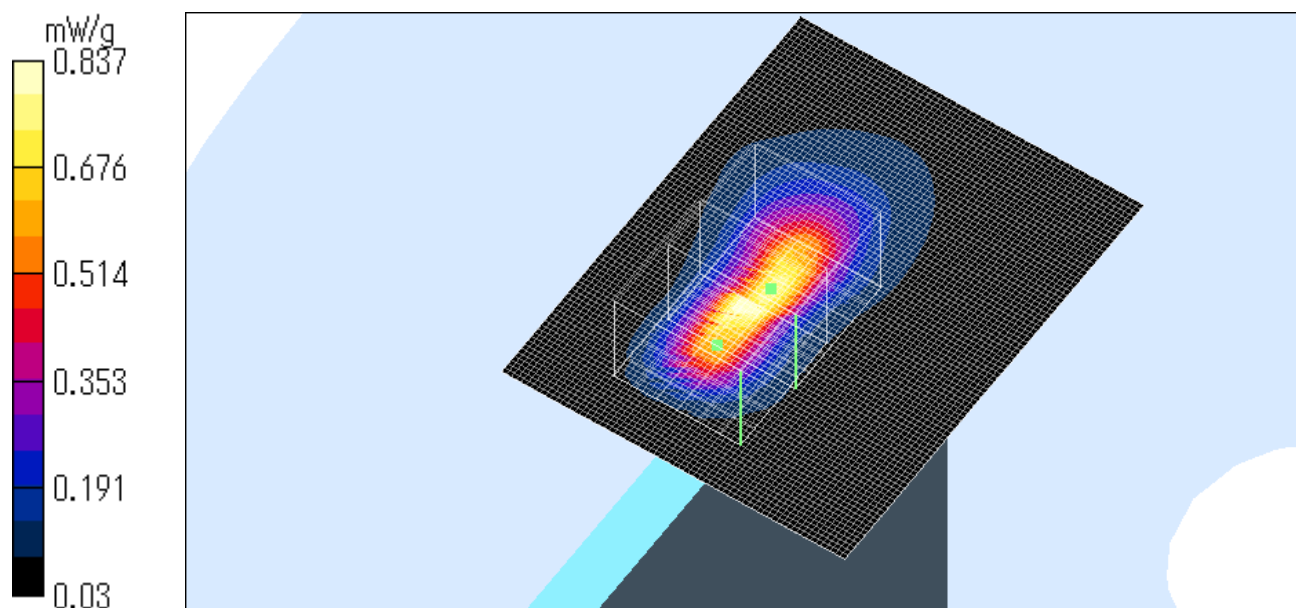
Reference Value = 7.7 V/m

Power Drift = -0.1 dB

Test Date = 06/20/04

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 24.5 degree.C , After 24.5 degree.C



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APPENDIX 8: Validation Measurement data

2450MHz System Validation / Dipole 2450 MHz / Forward Conducted Power : 250mW

Crest factor: 1

Medium: HSL2450 ($\sigma = 1.84$ mho/m, $\epsilon_r = 37.3$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

Dipole 2450 MHz;

- Type: D2450V2; Serial: SN:713

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.7, 4.7, 4.7); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 16.2 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 28.8 W/kg

SAR(1 g) = 13.5 mW/g; SAR(10 g) = 6.08 mW/g

Maximum value of SAR = 14.9 mW/g

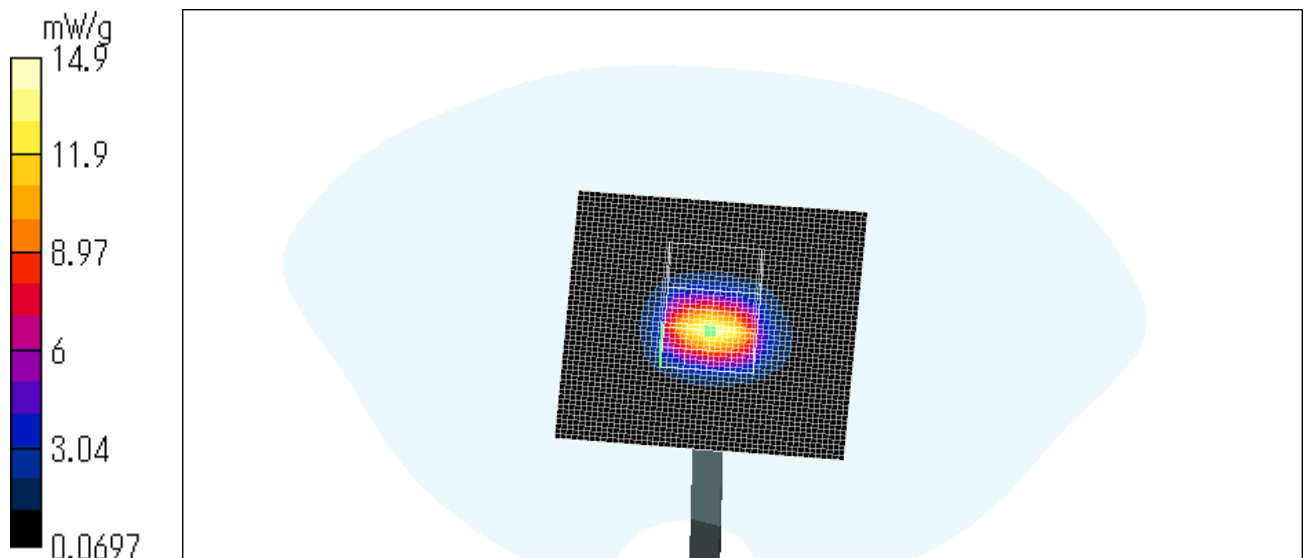
Reference Value = 93.7 V/m

Power Drift = -0.02 dB

Test date = 06/16/04

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 23.6 degree.C , After 23.6 degree.C



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2450MHz System Validation / Dipole 2450 MHz / Forward Conducted Power : 250mW

Crest factor: 1

Medium: HSL2450 ($\sigma = 1.87$ mho/m, $\epsilon_r = 37.3$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

Dipole 2450 MHz;

- Type: D2450V2; Serial: SN:713

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.7, 4.7, 4.7); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 16.3 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 28.4 W/kg

SAR(1 g) = 13.5 mW/g; SAR(10 g) = 6.1 mW/g

Maximum value of SAR = 14.8 mW/g

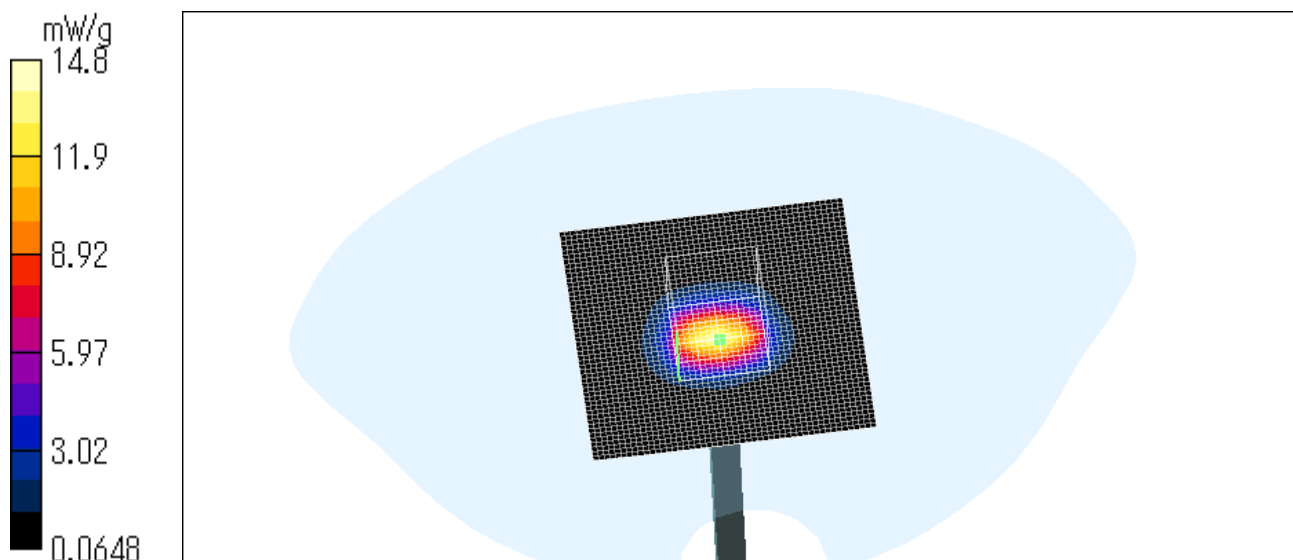
Reference Value = 91.8 V/m

Power Drift = -0.002 dB

Test date = 06/17/04

Ambient Temperature = 24.3 degree.c

Liquid Temperature = Before 23.4 degree.C , After 23.4 degree.C



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2450MHz System Validation / Dipole 2450 MHz / Forward Conducted Power : 250mW

Crest factor: 1

Medium: HSL2450 ($\sigma = 1.86$ mho/m, $\epsilon_r = 37.4$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

Dipole 2450 MHz;

- Type: D2450V2; Serial: SN:713

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.7, 4.7, 4.7); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 16.5 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 29 W/kg

SAR(1 g) = 13.7 mW/g; SAR(10 g) = 6.19 mW/g

Maximum value of SAR = 15.1 mW/g

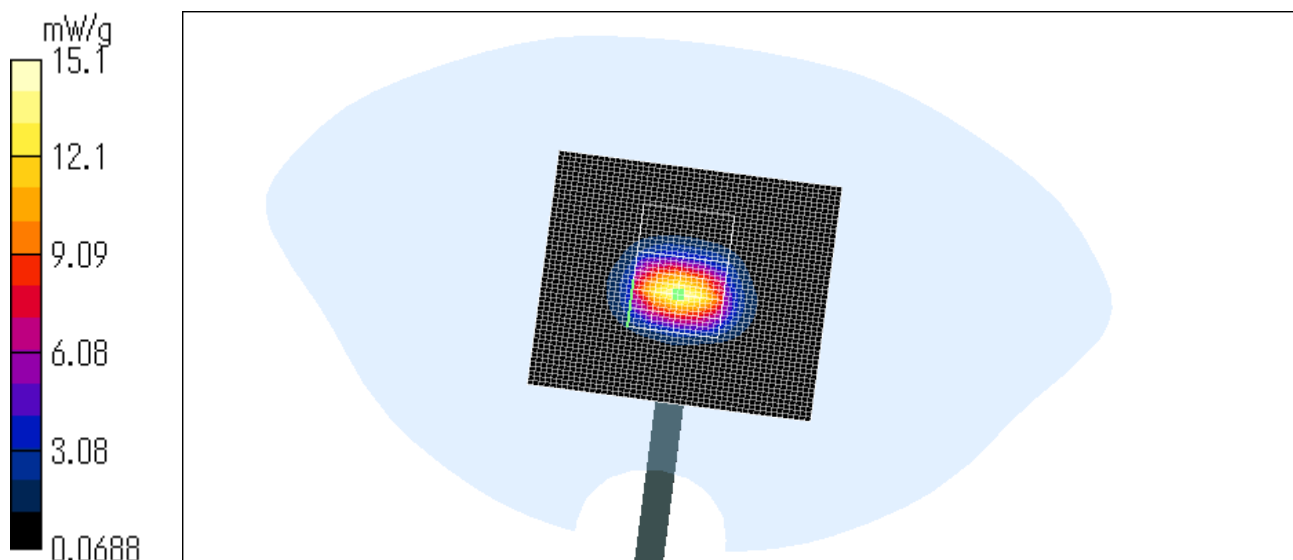
Reference Value = 91.9 V/m

Power Drift = 0.01 dB

Test date = 06/30/04

Ambient Temperature = 24.8 degree.c

Liquid Temperature = Before 23.5 degree.C , After 23.5 degree.C



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2450MHz System Validation / Dipole 2450 MHz / Forward Conducted Power : 250mW

Crest factor: 1

Medium: HSL2450 ($\sigma = 1.83$ mho/m, $\epsilon_r = 37.5$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

Dipole 2450 MHz;

- Type: D2450V2; Serial: SN:713

DASY4 Configuration:

- Probe: ET3DV6 - SN1685; ConvF(4.7, 4.7, 4.7); Calibrated: 2003/10/10

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR = 15.7 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 27.2 W/kg

SAR(1 g) = 13 mW/g; SAR(10 g) = 5.93 mW/g

Maximum value of SAR = 14.2 mW/g

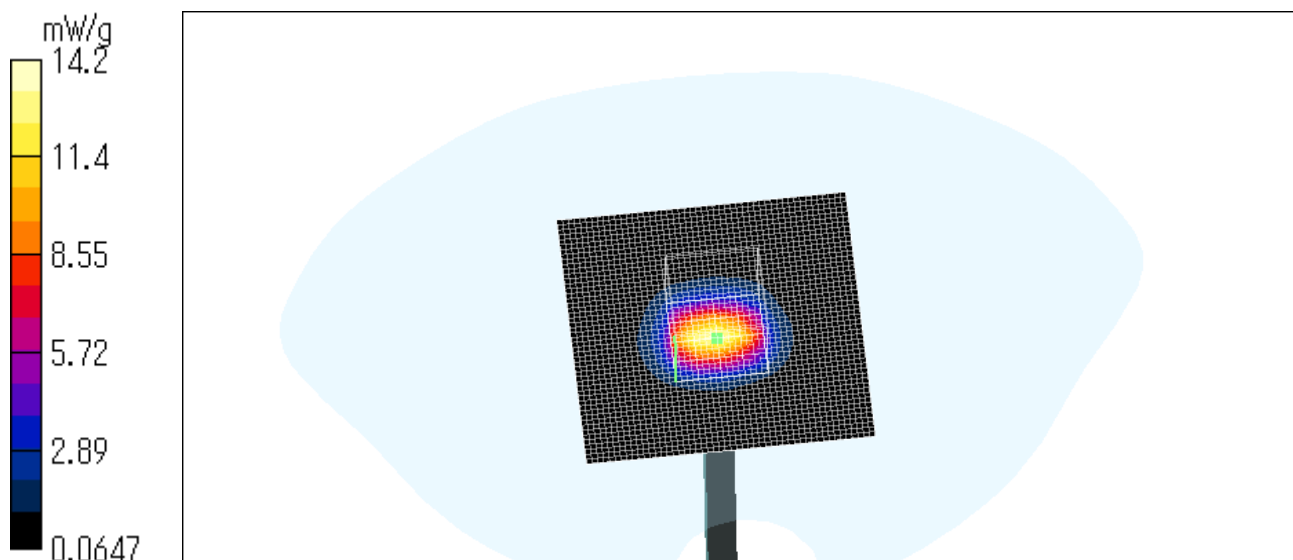
Reference Value = 90.1 V/m

Power Drift = 0.006 dB

Test date = 07/01/04

Ambient Temperature = 24.8 degree.c

Liquid Temperature = Before 23.6 degree.C , After 23.6 degree.C



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5200MHz System Validation / Dipole 5GHz / Forward Conducted Power : 250mW

Crest factor: 1

Medium: M5200 ($\sigma = 5.5$ mho/m, $\epsilon_r = 48.9$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

Dipole 5GHz;

- Type: D5GHzV2; Serial: SN:1020

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.62, 4.62, 4.62); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (51x51x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 46.5 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 79.7 W/kg

SAR(1 g) = 21.9 mW/g; SAR(10 g) = 6.04 mW/g

Maximum value of SAR = 40.3 mW/g

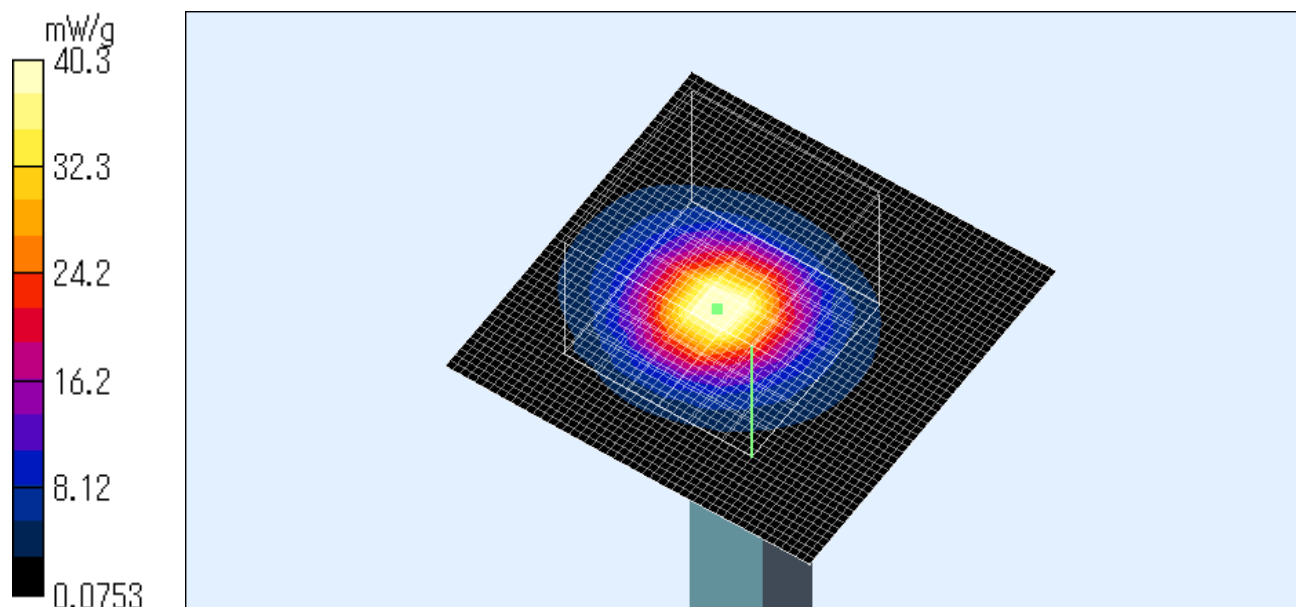
Reference Value = 89.1 V/m

Power Drift = 0.06 dB

Test Date = 06/19/04

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 24.5 degree.C , After 24.5 degree.C



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5200MHz System Validation / Dipole 5GHz / Forward Conducted Power : 250mW

Crest factor: 1

Medium: M5200 ($\sigma = 5.5$ mho/m, $\epsilon_r = 46.8$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.62, 4.62, 4.62); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (51x51x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 45.8 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 82.2 W/kg

SAR(1 g) = 22.4mW/g; SAR(10 g) = 6.27 mW/g

Maximum value of SAR = 41.1 mW/g

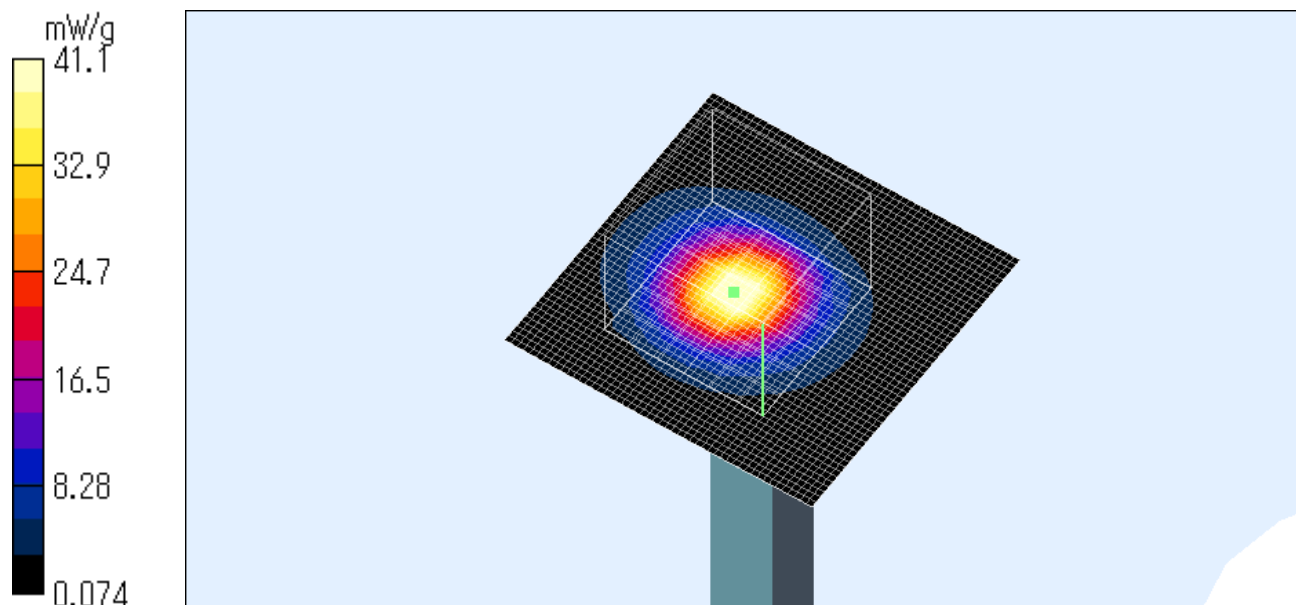
Reference Value = 89.5 V/m

Power Drift = -0.02 dB

Test Date = 06/22/04

Ambient Temperature = 24.8 degree.c

Liquid Temperature = Before 24.8 degree.C , After 24.8 degree.C



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5800MHz System Validation / Dipole 5GHz / Forward Conducted Power : 250mW

Crest factor: 1

Medium: M5800 ($\sigma = 6.3$ mho/m, $\epsilon_r = 46.1$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.21, 4.21, 4.21); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (51x51x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 44.7 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 84.9 W/kg

SAR(1 g) = 20.6 mW/g; SAR(10 g) = 5.78 mW/g

Maximum value of SAR = 38.8 mW/g

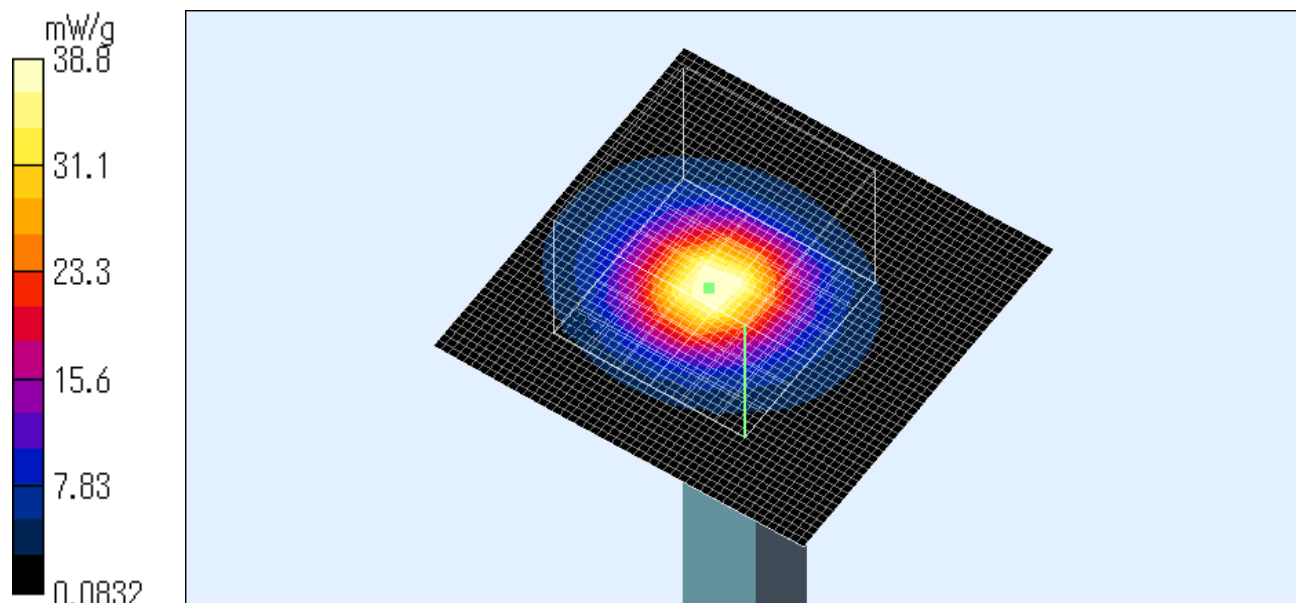
Reference Value = 81.7 V/m

Power Drift = -0.2 dB

Test Date = 06/20/04

Ambient Temperature = 24.8 degree.c

Liquid Temperature = Before 24.4 degree.C , After 24.4 degree.C



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5800MHz System Validation / Dipole 5GHz / Forward Conducted Power : 250mW

Crest factor: 1

Medium: M5800 ($\sigma = 6.3$ mho/m, $\epsilon_r = 46.0$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(4.21, 4.21, 4.21); Calibrated: 2004/02/20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Area Scan (51x51x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR = 43.3 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 86.6 W/kg

SAR(1 g) = 20.5 mW/g; SAR(10 g) = 5.62 mW/g

Maximum value of SAR = 39 mW/g

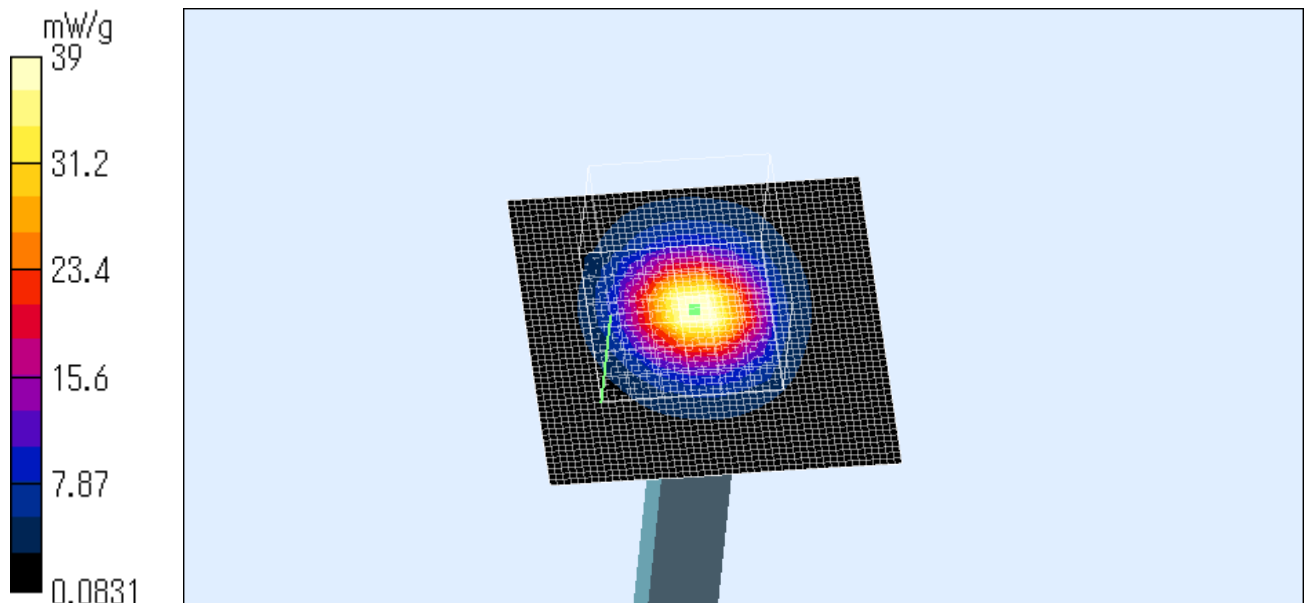
Reference Value = 80.2 V/m

Power Drift = -0.02 dB

Test Date = 06/24/04

Ambient Temperature = 24.8 degree.c

Liquid Temperature = Before 24.8 degree.C , After 24.8 degree.C



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