Appendix B

Measurement Plots

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

Dipol Valid.1900(h)_250mW_19.10.05

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d025

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: Head 1900 MHz Medium parameters used (interpolated): f = 1900 MHz; σ = 1.41 mho/m; ε_r = 39.9; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.2, 5.2, 5.2); Calibrated: 12/16/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 1/12/2004
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

Dipol 1900 (250mW)/Area Scan (61x81x1): Measurement grid: dx=10mm, dy=10mm
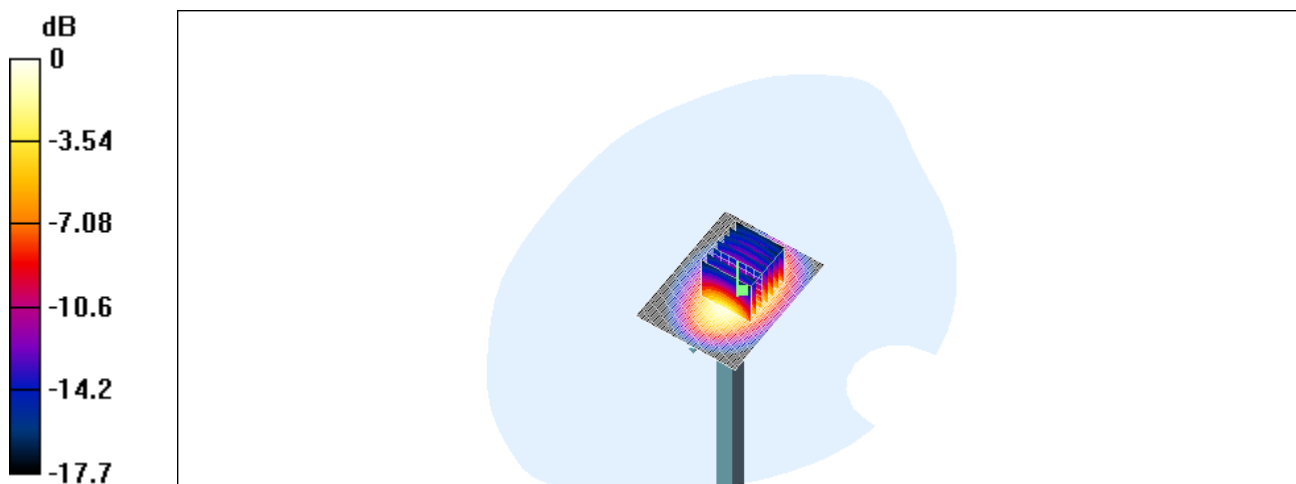Maximum value of SAR (interpolated) = 11.5 mW/g

Dipol 1900 (250mW)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 87.7 V/m; Power Drift = -0.0 dB
Peak SAR (extrapolated) = 17.5 W/kg
SAR(1 g) = 9.98 mW/g; SAR(10 g) = 5.2 mW/g
Maximum value of SAR (measured) = 11.2 mW/g

dB
0
-3.54
-7.08
-10.6
-14.2
-17.7

0 dB = 11.2mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

Dipol Valid.1900(m)_250mW_19.10.05

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d025

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: Muscle 1900 MHz Medium parameters used: f = 1900 MHz; σ = 1.58 mho/m; ε_r = 51.9; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.6, 4.6, 4.6); Calibrated: 12/16/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 1/12/2004
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

Dipol 1900 (250mW)/Area Scan (61x81x1): Measurement grid: dx=10mm, dy=10mm
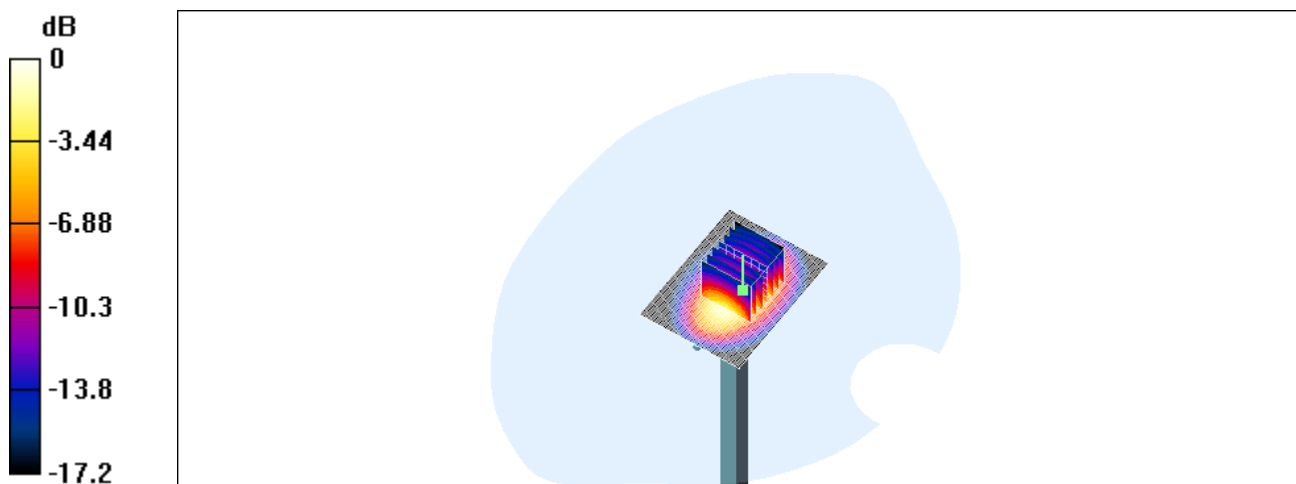Maximum value of SAR (interpolated) = 12.8 mW/g

Dipol 1900 (250mW)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 90.7 V/m; Power Drift = -0.1 dB
Peak SAR (extrapolated) = 18.6 W/kg
SAR(1 g) = 10.8 mW/g; SAR(10 g) = 5.66 mW/g
Maximum value of SAR (measured) = 12.3 mW/g

0 dB = 12.3mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

left_ch2_cheek_new

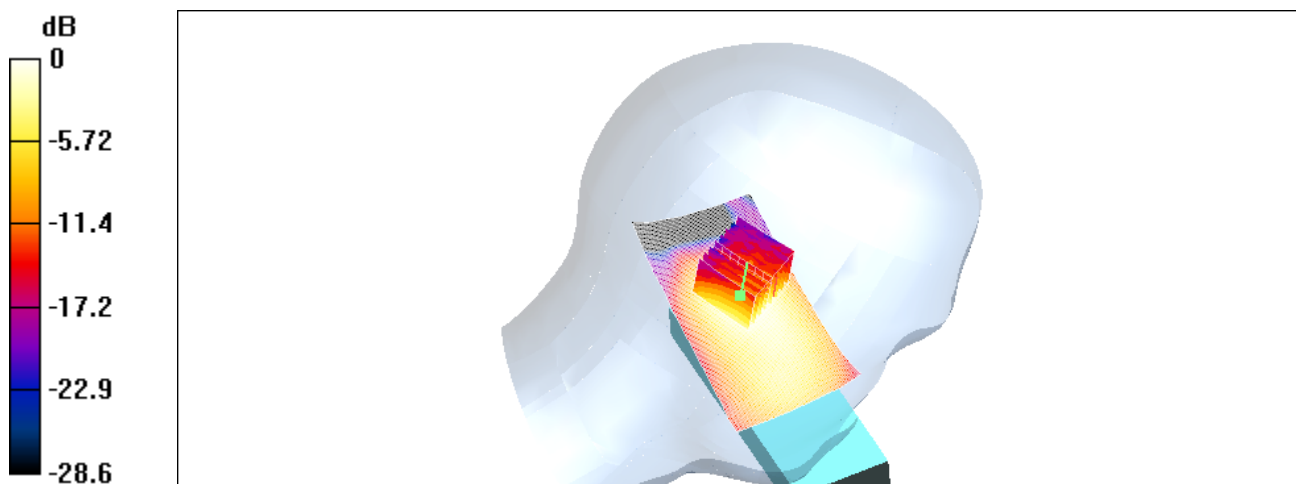**DUT: KIRK telecomA/S; Type: 1.9GHz Communication System (portable part); Serial: PP5N 1G9**

Communication System: UPCS single slot; Frequency: 1924.99 MHz;Duty Cycle: 1:24
Medium: Head 1900 MHz Medium parameters used: f = 1924.99 MHz; σ = 1.44 mho/m; ε_r = 39.7; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.2, 5.2, 5.2); Calibrated: 12/16/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 1/12/2004
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

PP5N/Area Scan (71x131x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.040 mW/g

PP5N/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.45 V/m; Power Drift = 0.1 dB
Peak SAR (extrapolated) = 0.066 W/kg
SAR(1 g) = 0.036 mW/g; SAR(10 g) = 0.020 mW/g
Maximum value of SAR (measured) = 0.040 mW/g

0 dB = 0.040mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

left_ch2_tilted_new

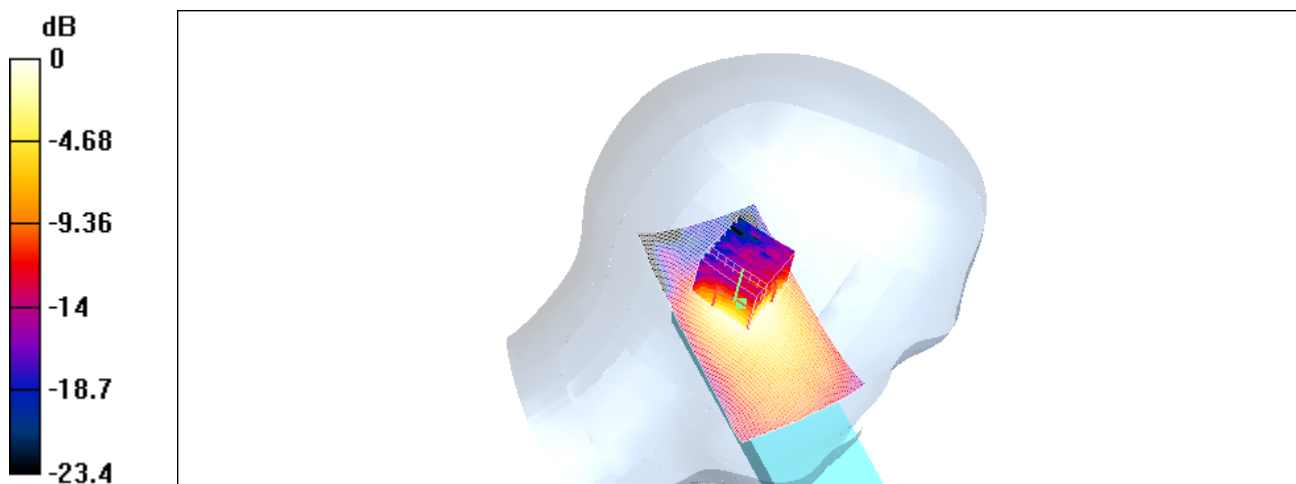**DUT: KIRK telecomA/S; Type: 1.9GHz Communication System (portable part); Serial: PP5N 1G9**

Communication System: UPCS single slot; Frequency: 1924.99 MHz;Duty Cycle: 1:24
Medium: Head 1900 MHz Medium parameters used: f = 1924.99 MHz; σ = 1.44 mho/m; ε_r = 39.7; ρ

= 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.2, 5.2, 5.2); Calibrated: 12/16/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 1/12/2004
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

PP5N/Area Scan (71x131x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.031 mW/g

PP5N/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.84 V/m; Power Drift = 0.007 dB
Peak SAR (extrapolated) = 0.056 W/kg
SAR(1 g) = 0.028 mW/g; SAR(10 g) = 0.015 mW/g
Maximum value of SAR (measured) = 0.030 mW/g

0 dB = 0.030mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

right_ch4_cheek_new

DUT: KIRK telecomA/S; Type: 1.9GHz Communication System (portable part); Serial: PP5N 1G9
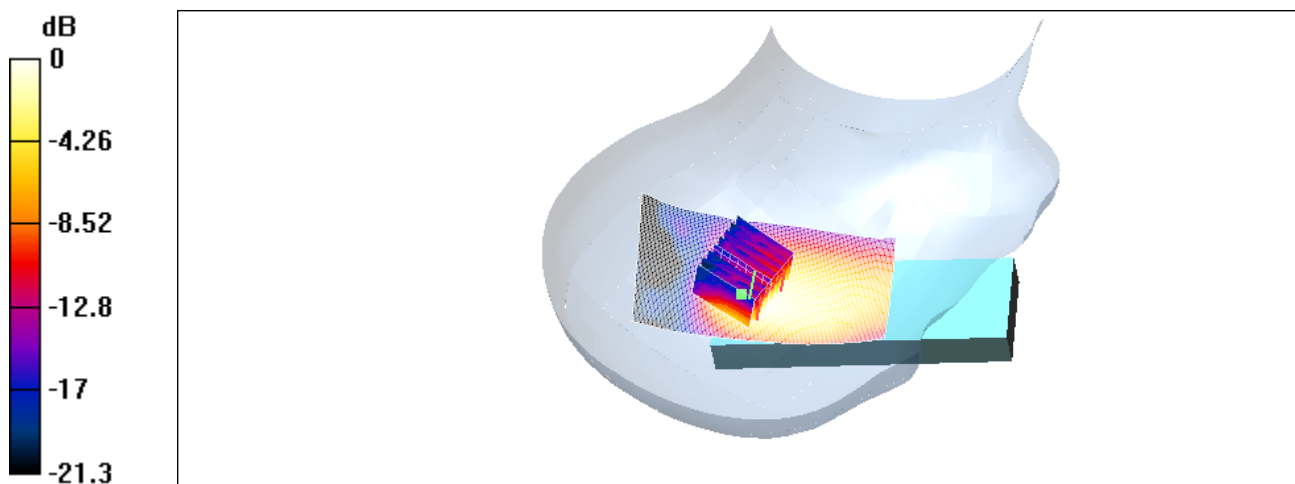
Communication System: UPCS single slot; Frequency: 1921.54 MHz; Duty Cycle: 1:24
Medium: Head 1900 MHz Medium parameters used: $f = 1921.54$ MHz; $\sigma = 1.44$ mho/m; $\varepsilon_r = 39.7$; $\rho = 1000$ kg/m^3
Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.2, 5.2, 5.2); Calibrated: 12/16/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 1/12/2004
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

PP5N/Area Scan (71x131x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.040 mW/g

PP5N/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.15 V/m; Power Drift = 0.0 dB
Peak SAR (extrapolated) = 0.070 W/kg
SAR(1 g) = 0.037 mW/g; SAR(10 g) = 0.020 mW/g
Maximum value of SAR (measured) = 0.040 mW/g

0 dB = 0.040mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

right_ch2_cheek_new

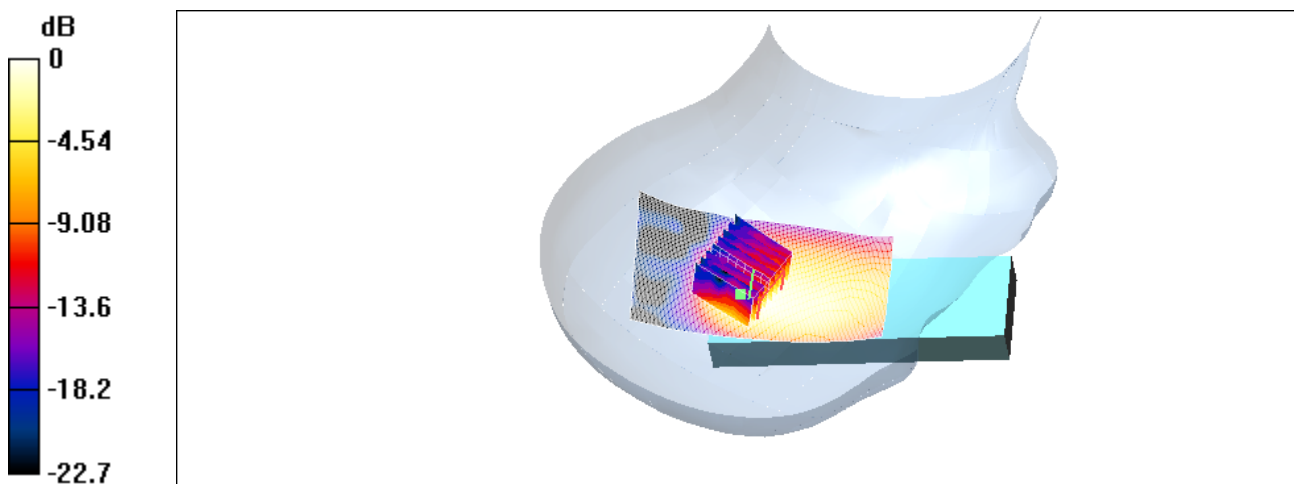**DUT: KIRK telecomA/S; Type: 1.9GHz Communication System (portable part); Serial: PP5N 1G9**

Communication System: UPCS single slot; Frequency: 1924.99 MHz;Duty Cycle: 1:24
Medium: Head 1900 MHz Medium parameters used: f = 1924.99 MHz; σ = 1.44 mho/m; ε_r = 39.7; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.2, 5.2, 5.2); Calibrated: 12/16/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 1/12/2004
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

PP5N/Area Scan (71x131x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.041 mW/g

PP5N/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.23 V/m; Power Drift = 0.0 dB
Peak SAR (extrapolated) = 0.069 W/kg
SAR(1 g) = 0.037 mW/g; SAR(10 g) = 0.020 mW/g
Maximum value of SAR (measured) = 0.040 mW/g

0 dB = 0.040mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

right_ch2_tilted_new

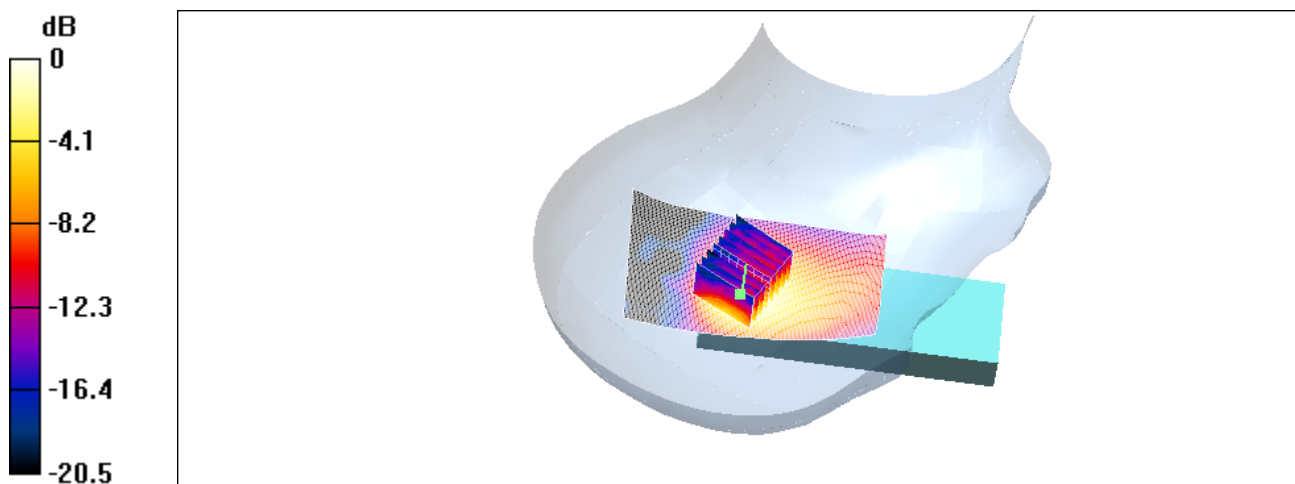**DUT: KIRK telecomA/S; Type: 1.9GHz Communication System (portable part); Serial: PP5N 1G9**

Communication System: UPCS single slot; Frequency: 1924.99 MHz;Duty Cycle: 1:24
Medium: Head 1900 MHz Medium parameters used: f = 1924.99 MHz; σ = 1.44 mho/m; ε_r = 39.7; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.2, 5.2, 5.2); Calibrated: 12/16/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 1/12/2004
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

PP5N/Area Scan (71x131x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.034 mW/g

PP5N/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.81 V/m; Power Drift = -0.0 dB
Peak SAR (extrapolated) = 0.068 W/kg
SAR(1 g) = 0.032 mW/g; SAR(10 g) = 0.017 mW/g
Maximum value of SAR (measured) = 0.034 mW/g

0 dB = 0.034mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

right_ch0_cheek_new

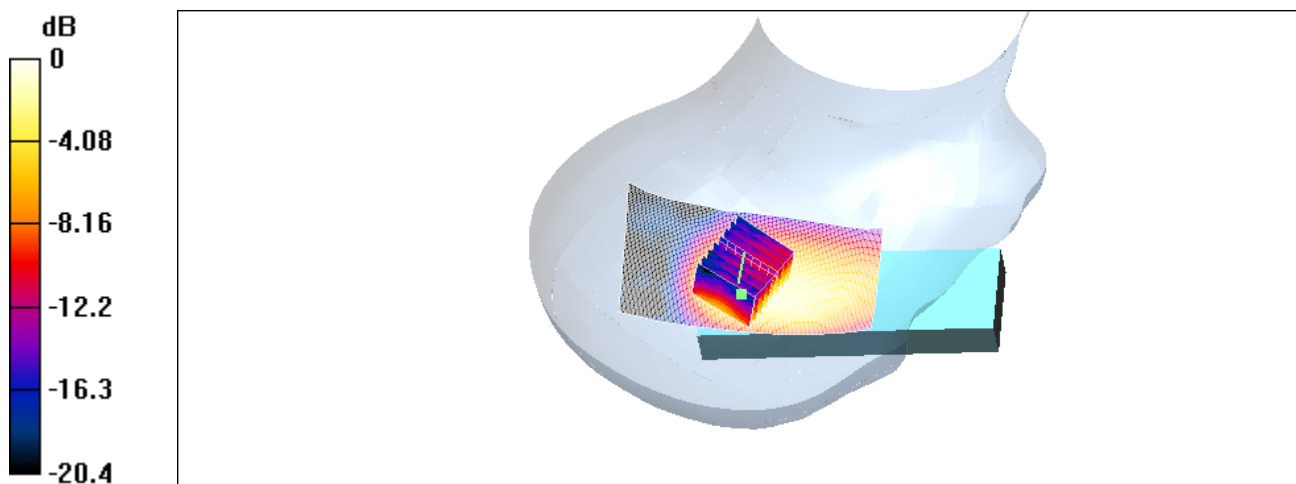**DUT: KIRK telecomA/S; Type: 1.9GHz Communication System (portable part); Serial: PP5N 1G9**

Communication System: UPCS single slot; Frequency: 1928.45 MHz;Duty Cycle: 1:24
Medium: Head 1900 MHz Medium parameters used: f = 1928.45 MHz; σ = 1.45 mho/m; ε_r = 39.6; ρ

= 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.2, 5.2, 5.2); Calibrated: 12/16/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 1/12/2004
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

PP5N/Area Scan (71x131x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.040 mW/g

PP5N/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.19 V/m; Power Drift = 0.009 dB
Peak SAR (extrapolated) = 0.071 W/kg
SAR(1 g) = 0.037 mW/g; SAR(10 g) = 0.021 mW/g
Maximum value of SAR (measured) = 0.040 mW/g

0 dB = 0.040mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

flat_ch2_front_15mm_new

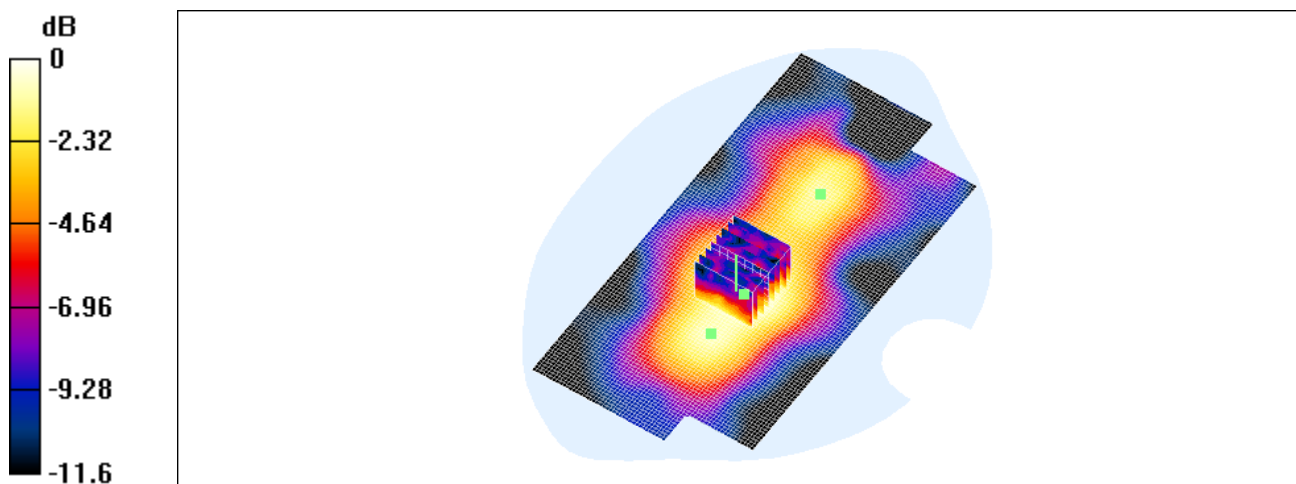**DUT: KIRK telecomA/S; Type: 1.9GHz Communication System (portable part); Serial: PP5N 1G9**

Communication System: UPCS single slot; Frequency: 1924.99 MHz;Duty Cycle: 1:24
Medium: Muscle 1900 MHz Medium parameters used: f = 1924.99 MHz; σ = 1.59 mho/m; ε_r = 51.8;

ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.6, 4.6, 4.6); Calibrated: 12/16/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 1/12/2004
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

PP5N/Area Scan (61x121x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.00914 mW/g

PP5N/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.2 V/m; Power Drift = -0.1 dB
Peak SAR (extrapolated) = 0.014 W/kg
SAR(1 g) = 0.00855 mW/g; SAR(10 g) = 0.00573 mW/g
Maximum value of SAR (measured) = 0.00946 mW/g

0 dB = 0.00946mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

flat_ch2_back_15mm_new

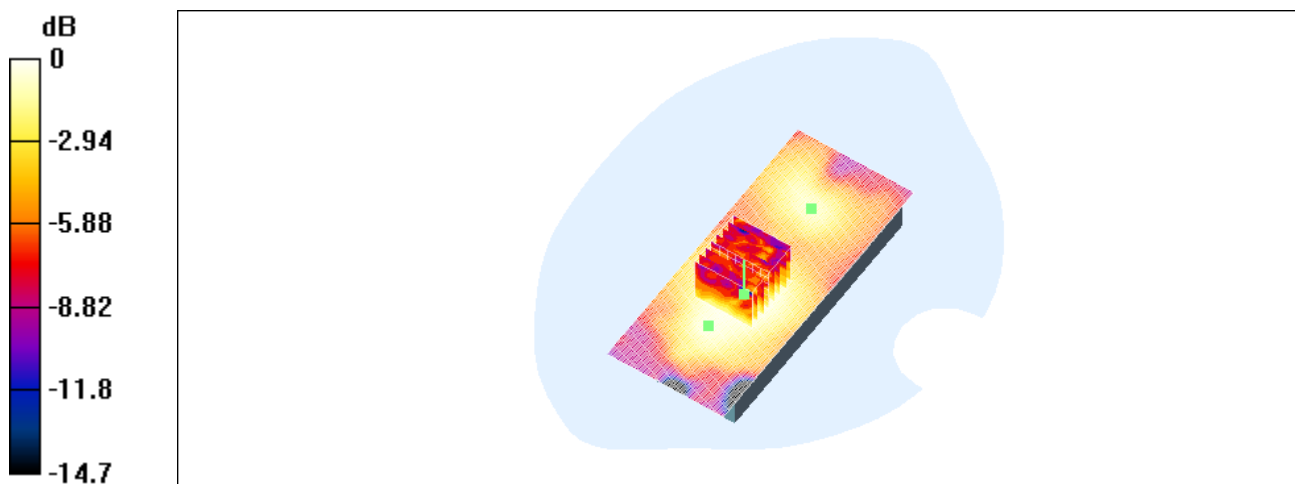**DUT: KIRK telecomA/S; Type: 1.9GHz Communication System (portable part); Serial: PP5N 1G9**

Communication System: UPCS single slot; Frequency: 1924.99 MHz;Duty Cycle: 1:24
Medium: Muscle 1900 MHz Medium parameters used: f = 1924.99 MHz; σ = 1.59 mho/m; ε_r = 51.8;

ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.6, 4.6, 4.6); Calibrated: 12/16/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 1/12/2004
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

PP5N/Area Scan (71x171x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.00758 mW/g

PP5N/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.33 V/m; Power Drift = 0.1 dB
Peak SAR (extrapolated) = 0.012 W/kg
SAR(1 g) = 0.00707 mW/g; SAR(10 g) = 0.00487 mW/g
Maximum value of SAR (measured) = 0.00753 mW/g

0 dB = 0.00753mW/g