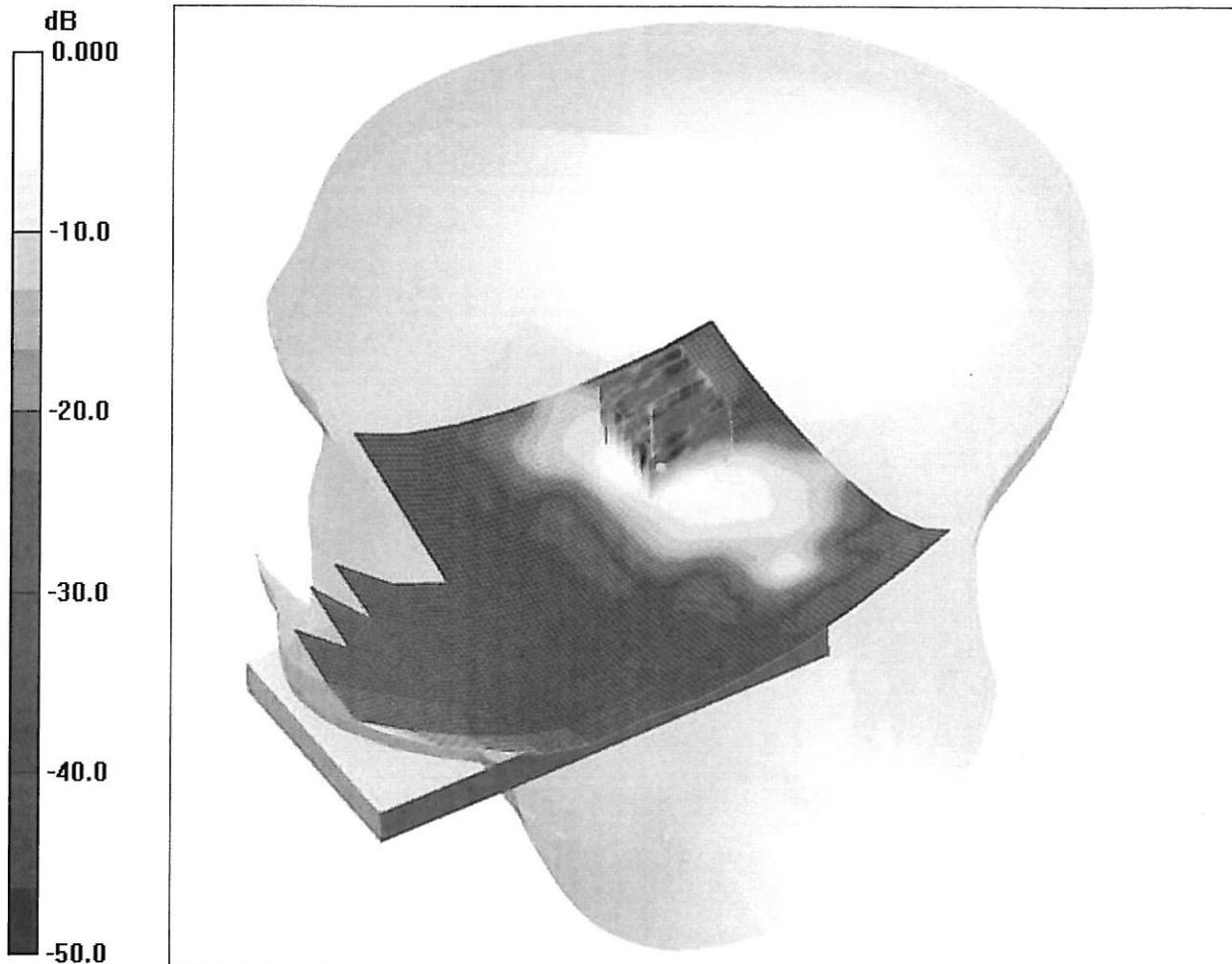**SCN/90033JD01/006: Touch Right 5.0GHz WLAN802.11a 6Mbps CH116**
Date: 30/08/2012
DUT: Sharp SHL21; Type: SHL21MLA; Serial: 004401114094788

0 dB = 0.288mW/g

Communication System: WLAN 802.11a UNII; Frequency: 5580 MHz; Duty Cycle: 1:1

Medium: 5800 MHz HSL Medium parameters used (interpolated): f = 5580 MHz; σ = 5.17 mho/m; ε_r = 35.3; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814 (add ConvF); ConvF(4.54, 4.54, 4.54); Calibrated: 12/03/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Touch Right- Middle 2/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.343 mW/g

Touch Right- Middle 2/Zoom Scan (7x7x9) (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 6.69 V/m; Power Drift = 0.082 dB
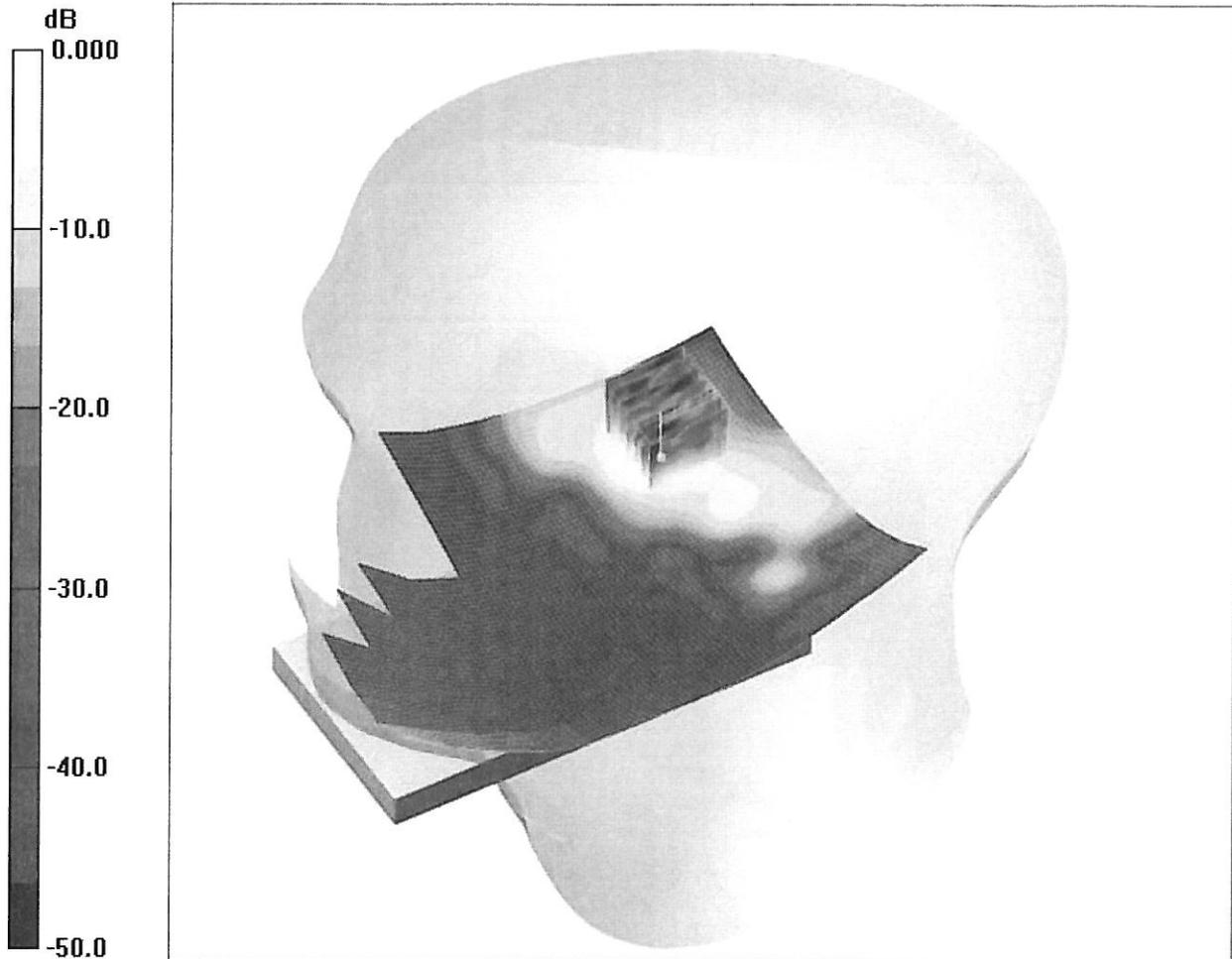
Peak SAR (extrapolated) = 0.629 W/kg

SAR(1 g) = 0.163 mW/g; SAR(10 g) = 0.046 mW/g

Maximum value of SAR (measured) = 0.288 mW/g

SCN/90033JD01/007: Touch Right 5.0GHz WLAN802.11n HT40 13.5Mbps CH46
Date: 29/08/2012
DUT: Sharp SHL21; Type: SHL21MLA; Serial: 004401114094796

0 dB = 0.207mW/g

Communication System: WLAN 802.11n HT40; Frequency: 5230 MHz;Duty Cycle: 1:1
Medium: 5800 MHz HSL Medium parameters used (interpolated): f = 5230 MHz; σ = 4.77 mho/m; ε_r = 36.1; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814 (add ConvF); ConvF(5.1, 5.1, 5.1); Calibrated: 12/03/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176
Touch Right- Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.200 mW/g
Touch Right- Middle/Zoom Scan (7x7x9) (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 6.31 V/m; Power Drift = 0.089 dB
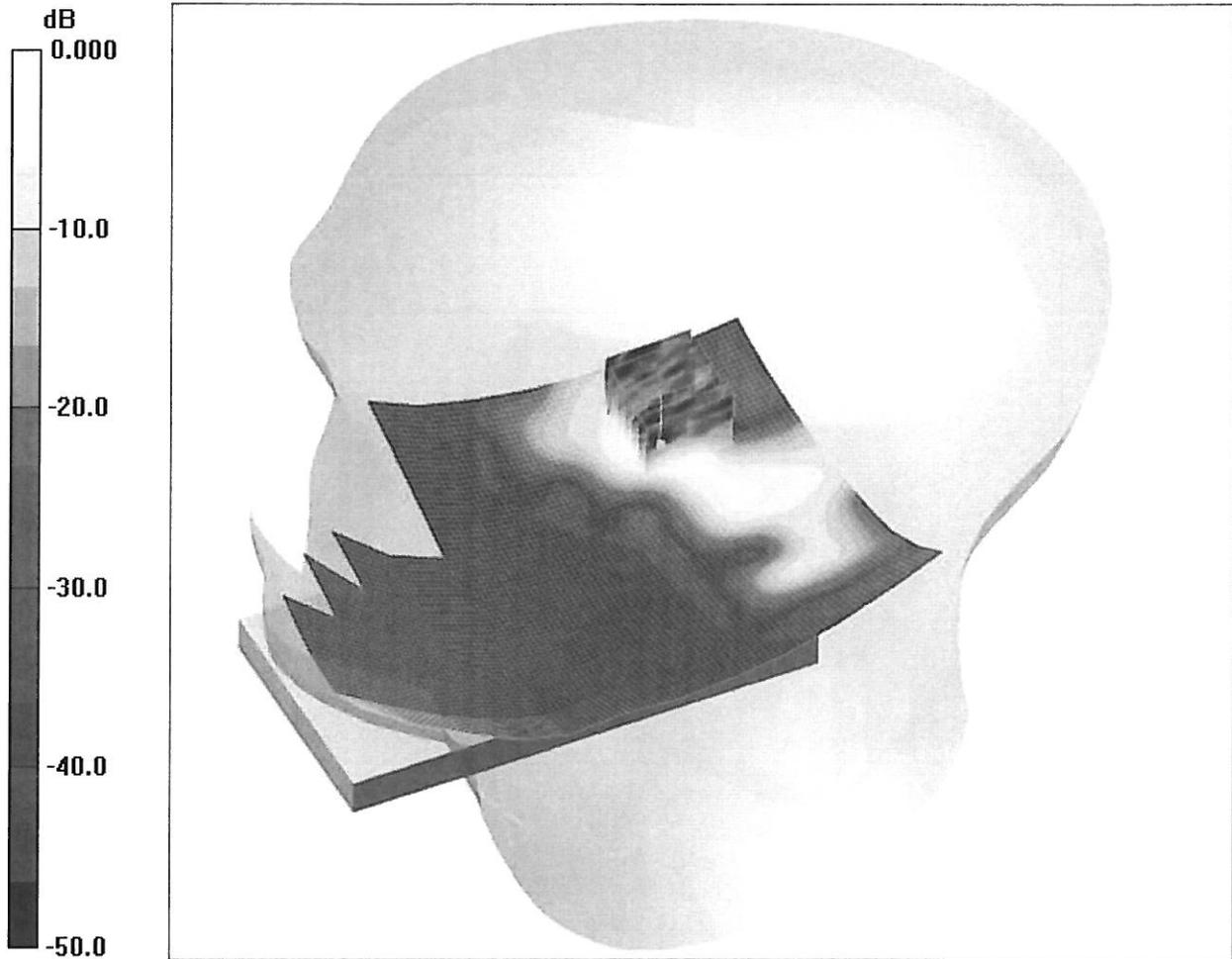Peak SAR (extrapolated) = 0.397 W/kg
SAR(1 g) = 0.111 mW/g; SAR(10 g) = 0.031 mW/g
Maximum value of SAR (measured) = 0.207 mW/g

SCN/90033JD01/008: Touch Right 5.0GHz WLAN802.11n HT40 13.5Mbps CH62
Date: 30/08/2012
DUT: Sharp SHL21; Type: SHL21MLA; Serial: 004401114094788

0 dB = 0.171mW/g

Communication System: WLAN 802.11n HT40; Frequency: 5310 MHz;Duty Cycle: 1:1
Medium: 5800 MHz HSL Medium parameters used (interpolated): f = 5310 MHz; σ = 4.81 mho/m; ε_r = 35.9; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814 (add ConvF); ConvF(4.8, 4.8, 4.8); Calibrated: 12/03/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176
Touch Right- Middle 2/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.208 mW/g
**Touch Right- Middle 2/Zoom Scan (7x7x9) (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 2.54 V/m; Power Drift = -0.153 dB
Peak SAR (extrapolated) = 0.381 W/kg
SAR(1 g) = 0.103 mW/g; SAR(10 g) = 0.028 mW/g
Maximum value of SAR (measured) = 0.171 mW/g

SCN/90033JD01/009: Touch Right 5.0GHz WLAN802.11n HT40 13.5Mbps CH126
Date: 30/08/2012
DUT: Sharp SHL21; Type: SHL21MLA; Serial: 004401114094796
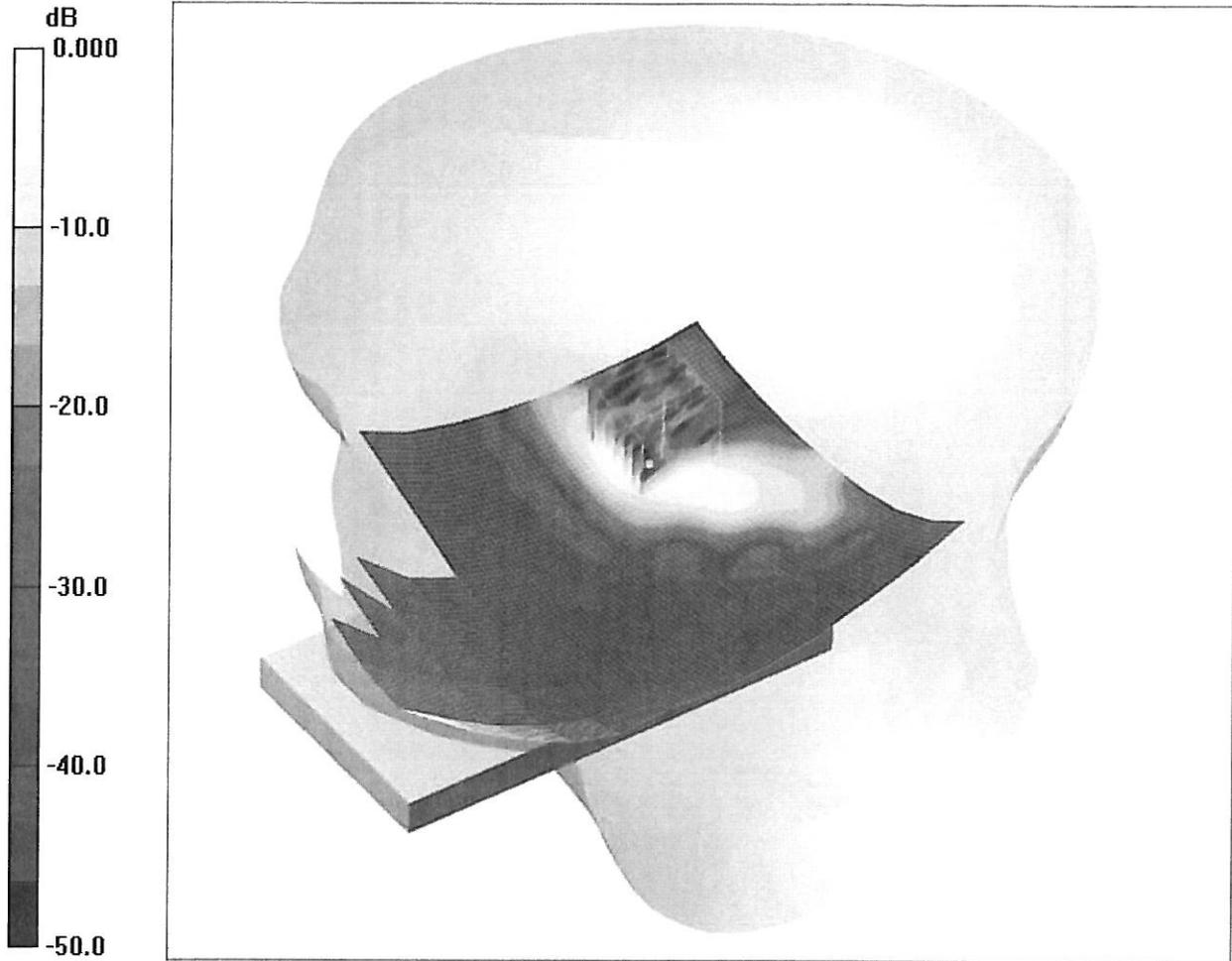
0 dB = 0.216mW/g

Communication System: WLAN 802.11n HT40; Frequency: 5630 MHz;Duty Cycle: 1:1
Medium: 5800 MHz HSL Medium parameters used (interpolated): f = 5630 MHz; σ = 5.21 mho/m; ε_r = 35.2; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814 (add ConvF); ConvF(4.54, 4.54, 4.54); Calibrated: 12/03/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176
Touch Right- Middle 2/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.283 mW/g
Touch Right- Middle 2/Zoom Scan (7x7x9) (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 6.00 V/m; Power Drift = 0.136 dB
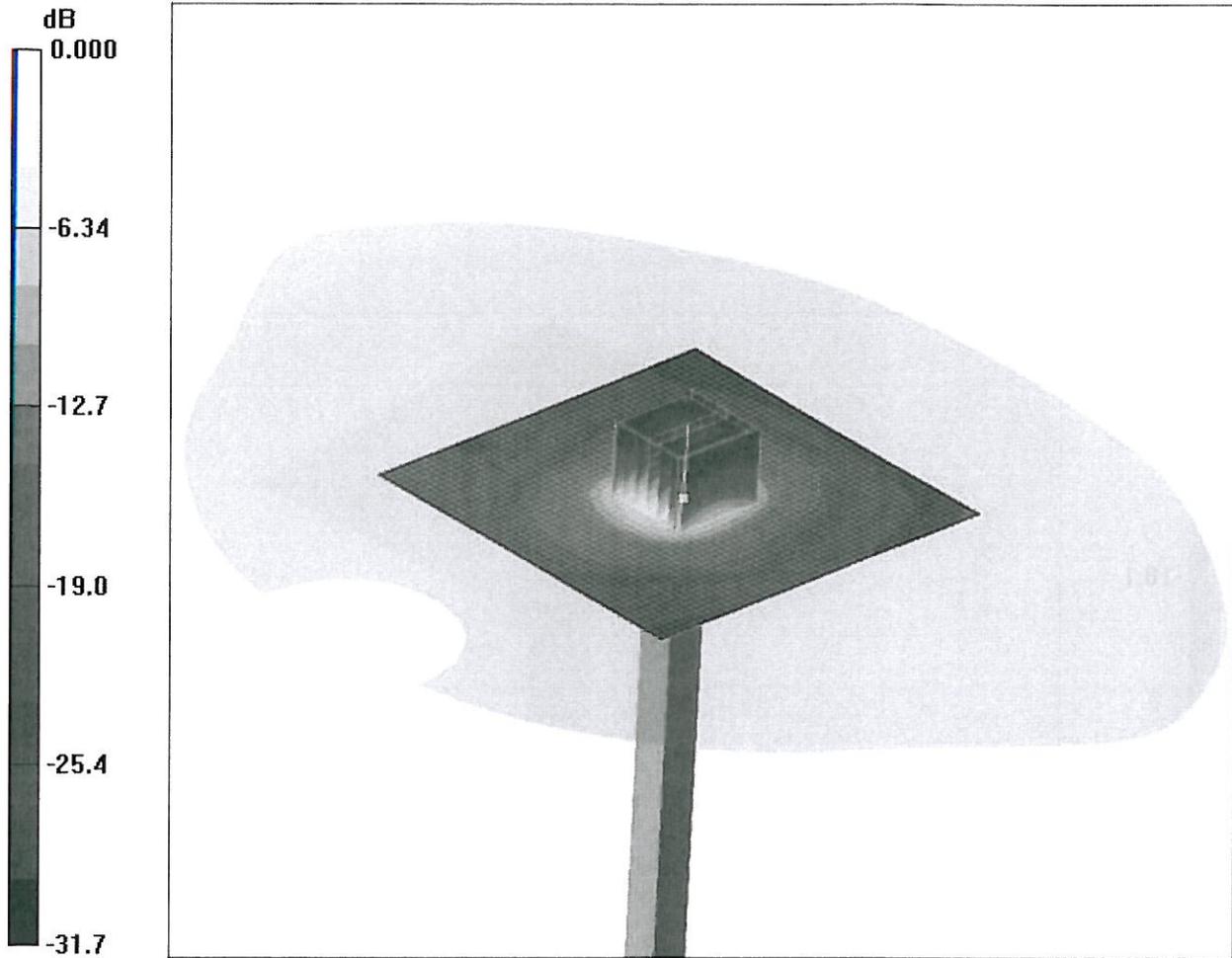Peak SAR (extrapolated) = 0.491 W/kg
SAR(1 g) = 0.120 mW/g; SAR(10 g) = 0.032 mW/g
Maximum value of SAR (measured) = 0.216 mW/g

SCN/90033JD01/010: System Performance Check 5200MHz Head 29 08 12
Date: 29/08/2012
DUT: 5GHz Dipole; Type: D5GHzV2; Serial: SN 1016

0 dB = 13.7mW/g

Communication System: CW; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: 5800 MHz HSL Medium parameters used: f = 5200 MHz; σ = 4.71 mho/m; ε_r = 36.1; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814 (add ConvF); ConvF(5.1, 5.1, 5.1); Calibrated: 12/03/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

d=10mm, Pin=125 mW 2/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 7.74 mW/g

d=10mm, Pin=125 mW 2/Zoom Scan (7x7x9) 2 2 (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 56.9 V/m; Power Drift = -0.145 dB
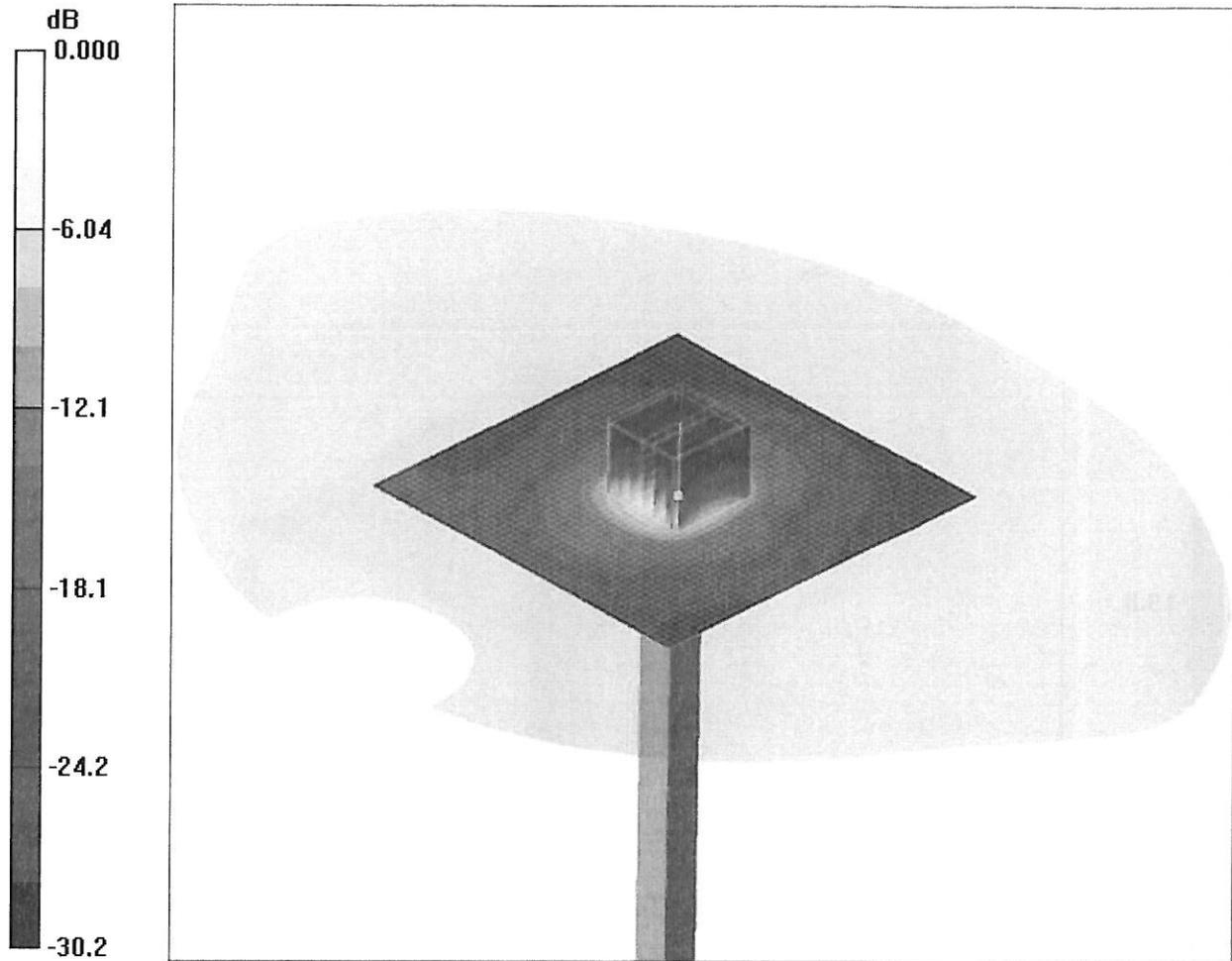
Peak SAR (extrapolated) = 27.9 W/kg

SAR(1 g) = 7.98 mW/g; SAR(10 g) = 2.3 mW/g

Maximum value of SAR (measured) = 13.7 mW/g

SCN/90033JD01/011: System Performance Check 5200MHz Head 30 08 12
Date: 30/08/2012
DUT: 5GHz Dipole; Type: D5GHzV2; Serial: SN 1016

dB

0.000

-6.04

-12.1

-18.1

-24.2

-30.2

0 dB = 14.2mW/g

Communication System: CW; Frequency: 5200 MHz;Duty Cycle: 1:1
Medium: 5800 MHz HSL Medium parameters used: f = 5200 MHz; σ = 4.71 mho/m; ε_r = 36.1; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814 (add ConvF); ConvF(5.1, 5.1, 5.1); Calibrated: 12/03/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176
d=10mm, Pin=125 mW 2/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 7.56 mW/g
d=10mm, Pin=125 mW 2/Zoom Scan (7x7x9) 2 2 (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm,
dz=2.5mm
Reference Value = 54.4 V/m; Power Drift = -0.124 dB
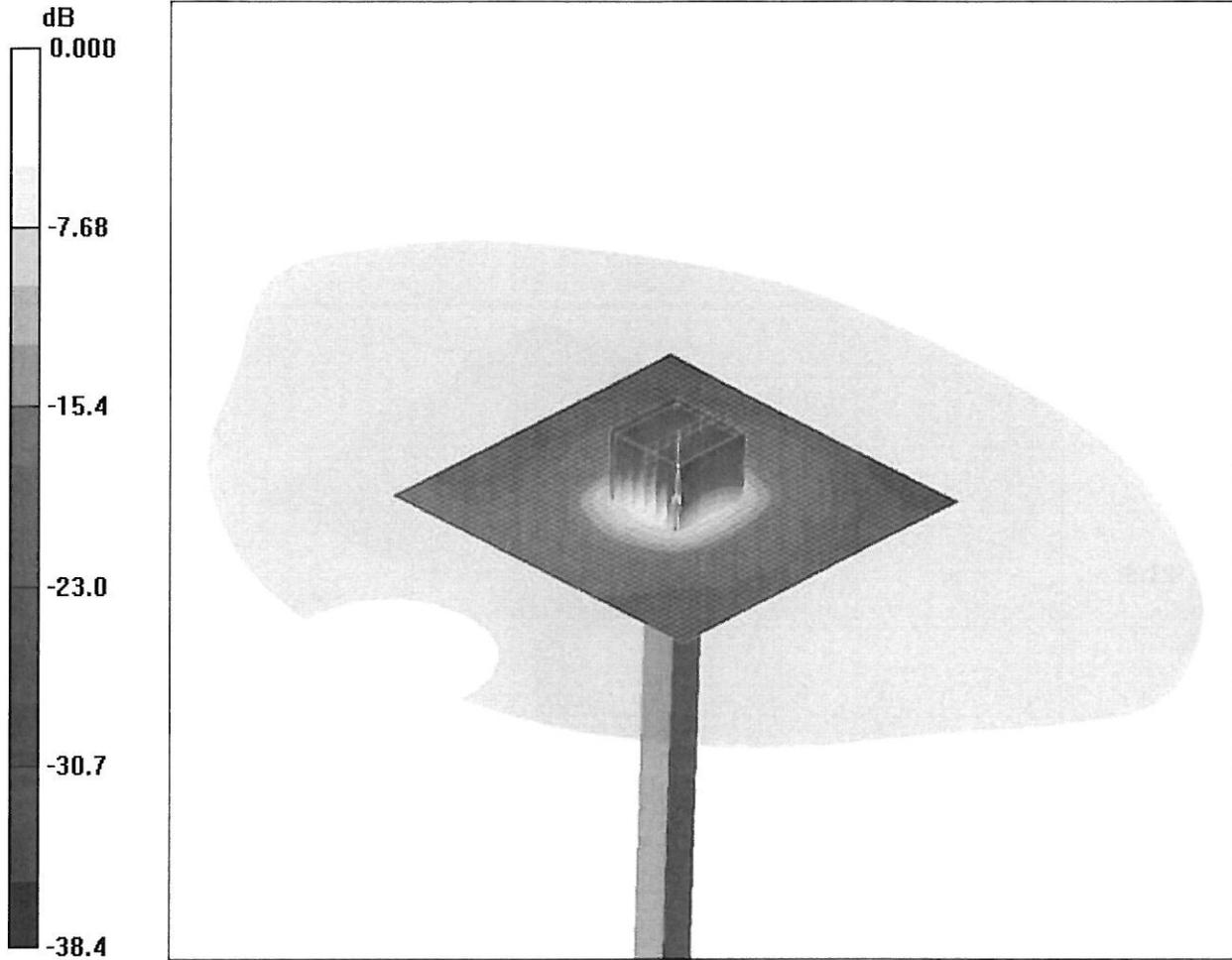Peak SAR (extrapolated) = 28.5 W/kg
SAR(1 g) = 8.01 mW/g; SAR(10 g) = 2.31 mW/g
Maximum value of SAR (measured) = 14.2 mW/g

SCN/90033JD01/012: System Performance Check 5500MHz Head 30 08 12
Date: 30/08/2012
DUT: 5GHz Dipole; Type: D5GHzV2; Serial: SN 1016

0 dB = 15.0mW/g

Communication System: CW; Frequency: 5500 MHz;Duty Cycle: 1:1
Medium: 5800 MHz HSL Medium parameters used: f = 5500 MHz; σ = 5.04 mho/m; ε_r = 35.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814 (add ConvF); ConvF(4.67, 4.67, 4.67); Calibrated: 12/03/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176
d=10mm, Pin=125 mW 2/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 7.48 mW/g
d=10mm, Pin=125 mW 2/Zoom Scan (7x7x9) 2 2 (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm,
dz=2.5mm
Reference Value = 57.5 V/m; Power Drift = -0.117 dB
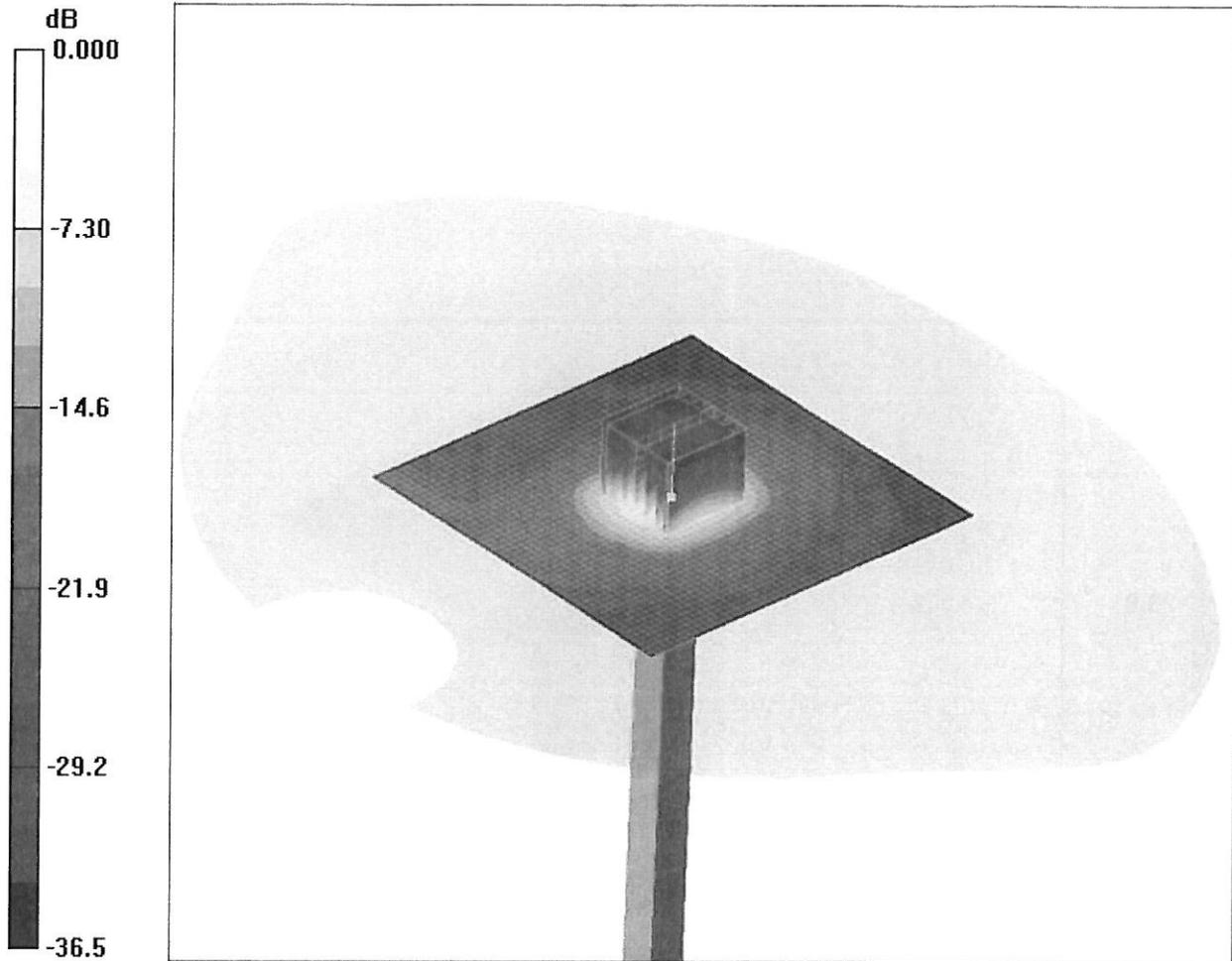Peak SAR (extrapolated) = 30.9 W/kg
SAR(1 g) = 8.4 mW/g; SAR(10 g) = 2.39 mW/g
Maximum value of SAR (measured) = 15.0 mW/g

SCN/90033JD01/013: System Performance Check 5800MHz Head 30 08 12
Date: 30/08/2012
DUT: 5GHz Dipole; Type: D5GHzV2; Serial: SN 1016

0 dB = 14.2mW/g

Communication System: CW; Frequency: 5800 MHz; Duty Cycle: 1:1

Medium: 5800 MHz HSL Medium parameters used: $f = 5800$ MHz; $\sigma = 5.48$ mho/m; $\varepsilon_r = 34.9$; $\rho = 1000$ kg/m^3

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814 (add ConvF); ConvF(4.48, 4.48, 4.48); Calibrated: 12/03/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

d=10mm, Pin=125 mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 8.02 mW/g

d=10mm, Pin=125 mW/Zoom Scan (7x7x9) (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 54.2 V/m; Power Drift = -0.131 dB

Peak SAR (extrapolated) = 29.9 W/kg

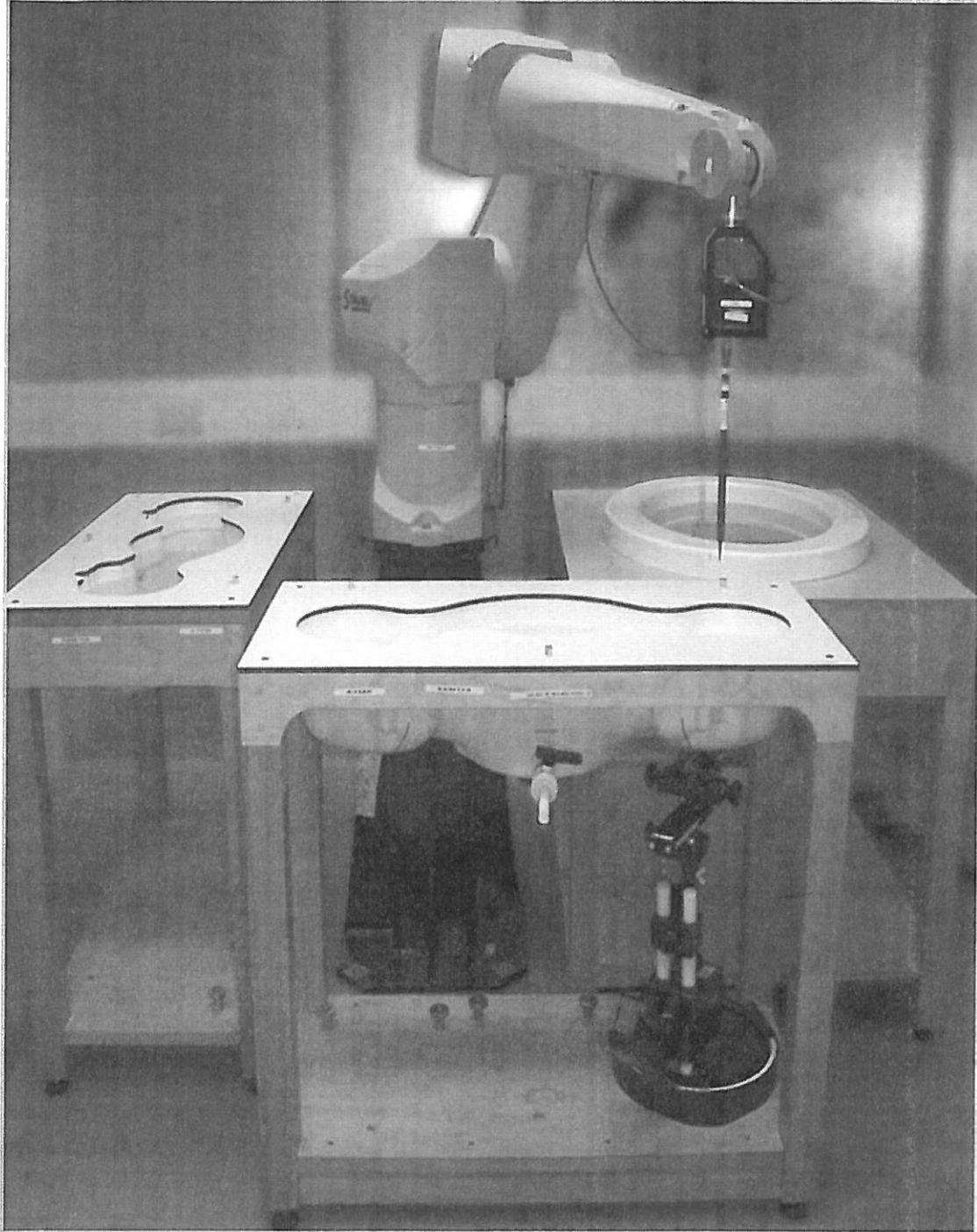**SAR(1 g) = 7.96 mW/g; SAR(10 g) = 2.27 mW/g**

Maximum value of SAR (measured) = 14.2 mW/g
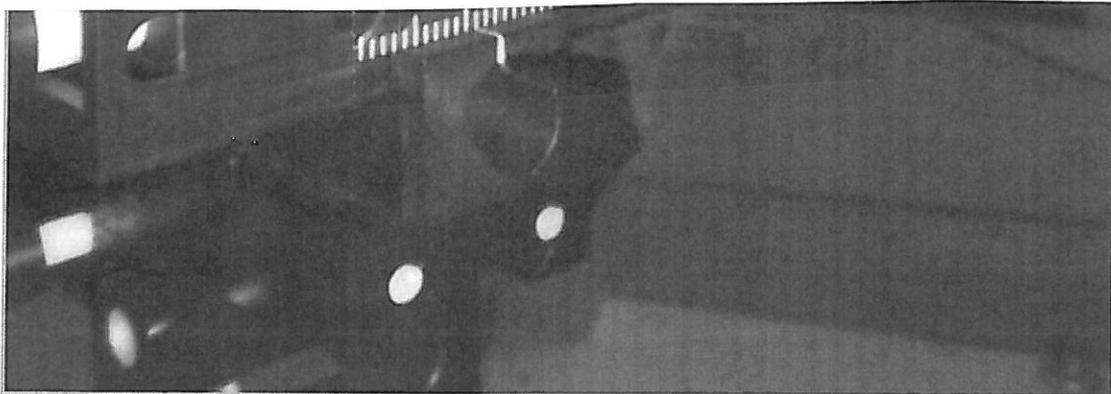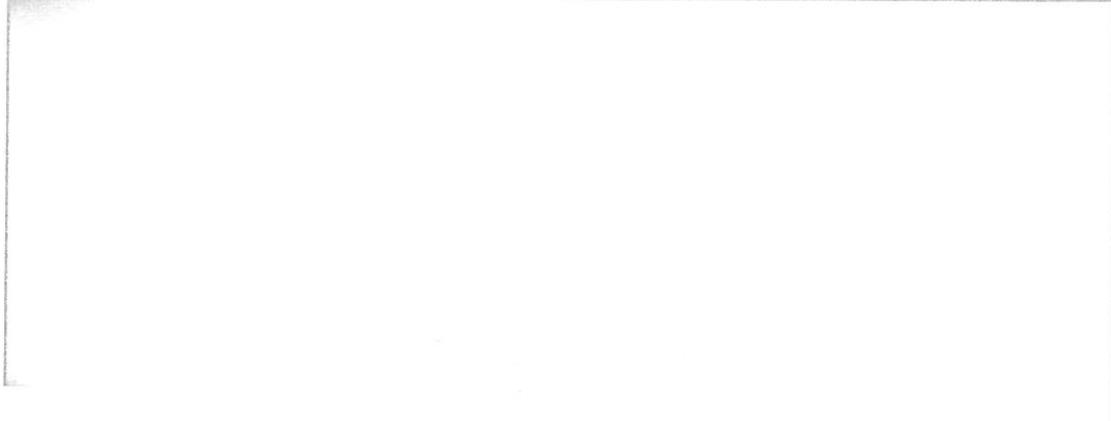
Appendix 4. Photographs

This appendix contains the following photographs:

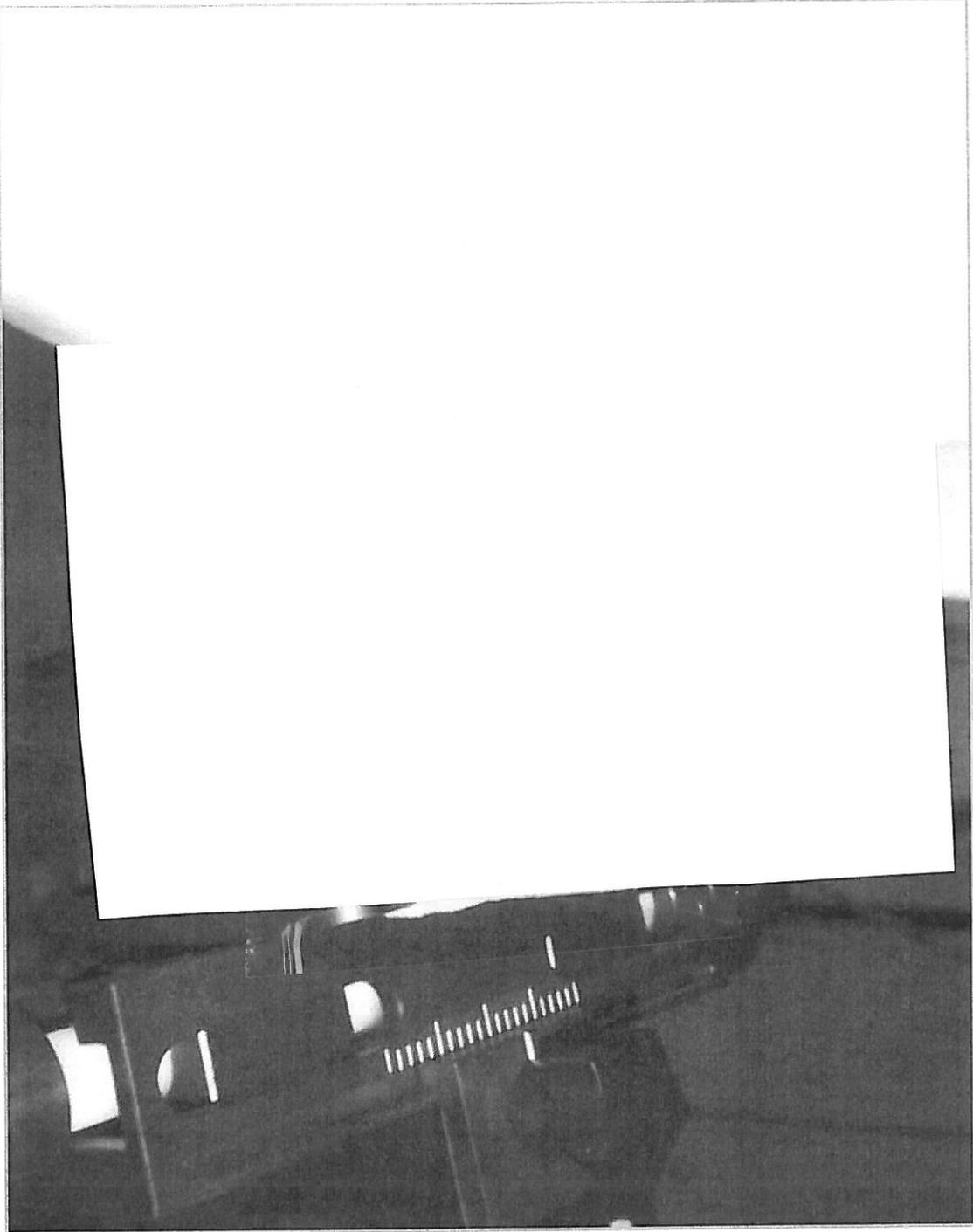| Photo Reference Number	Title
PHT/90033JD01/001	Test configuration for the measurement of Specific Absorption Rate (SAR)
PHT/90033JD01/002	Touch Left
PHT/90033JD01/003	Tilt Left
PHT/90033JD01/004	Touch Right
PHT/90033JD01/005	Tilt Right
PHT/90033JD01/006	Front view of EUT
PHT/90033JD01/007	Rear view of EUT
PHT/90033JD01/008	Internal View of EUT (WLAN Sample IMEI 004401114094796)
PHT/90033JD01/009	Internal View of EUT (WLAN Sample IMEI 004401114094788)
PHT/90033JD01/010	Internal View of EUT (WLAN Conducted Sample IMEI 004401114094804)
PHT/90033JD01/011	5.0 GHz Head Fluid Level

PHT/90033JD01/001: Test configuration for the measurement of Specific Absorption Rate (SAR)
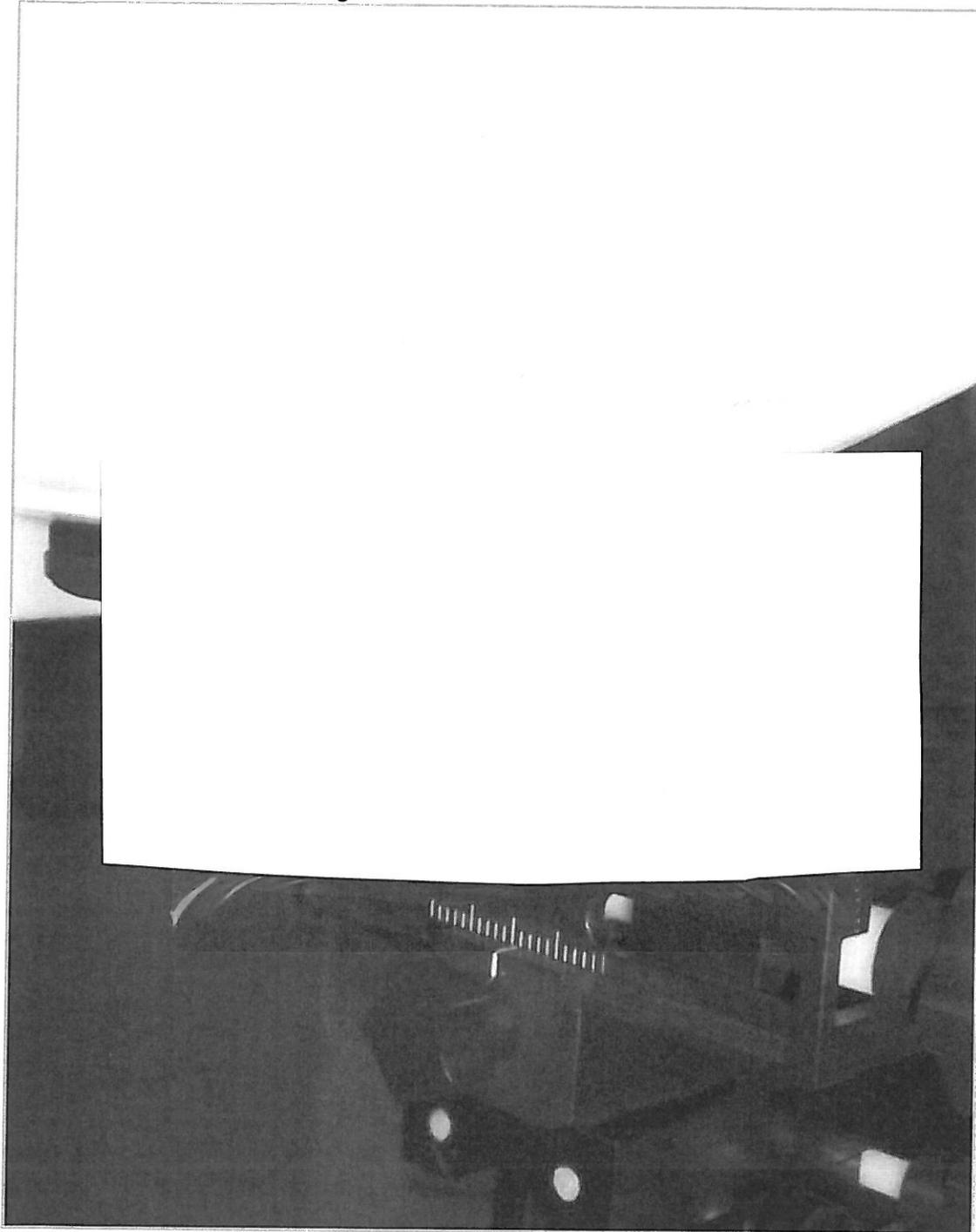
PHT/90033JD01/002: Touch Left

PHT/90033JD01/003: Tilt Left

PHT/90033JD01/003: Tilt Left

PHT/90033JD01/004: Touch Right

PHT/90033JD01/005: Tilt Right