

Test Laboratory: SGS North America

# **1 BSL,GSM850 ,GMSK Voice, Mid ch190, 836.6MHz, B1 P1**

**DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz); Frequency: 836.6 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104  
Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.94$  mho/m;  $\epsilon_r = 54.649$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(9.13, 9.13, 9.13); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body, 850GSM, GSMK, Mid Ch 190, 836.6MHz, B1, P1/Area Scan (91x181x1):** Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.0949 mW/g

**Configuration/Body, 850GSM, GSMK, Mid Ch 190, 836.6MHz, B1, P1/Zoom**

**Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

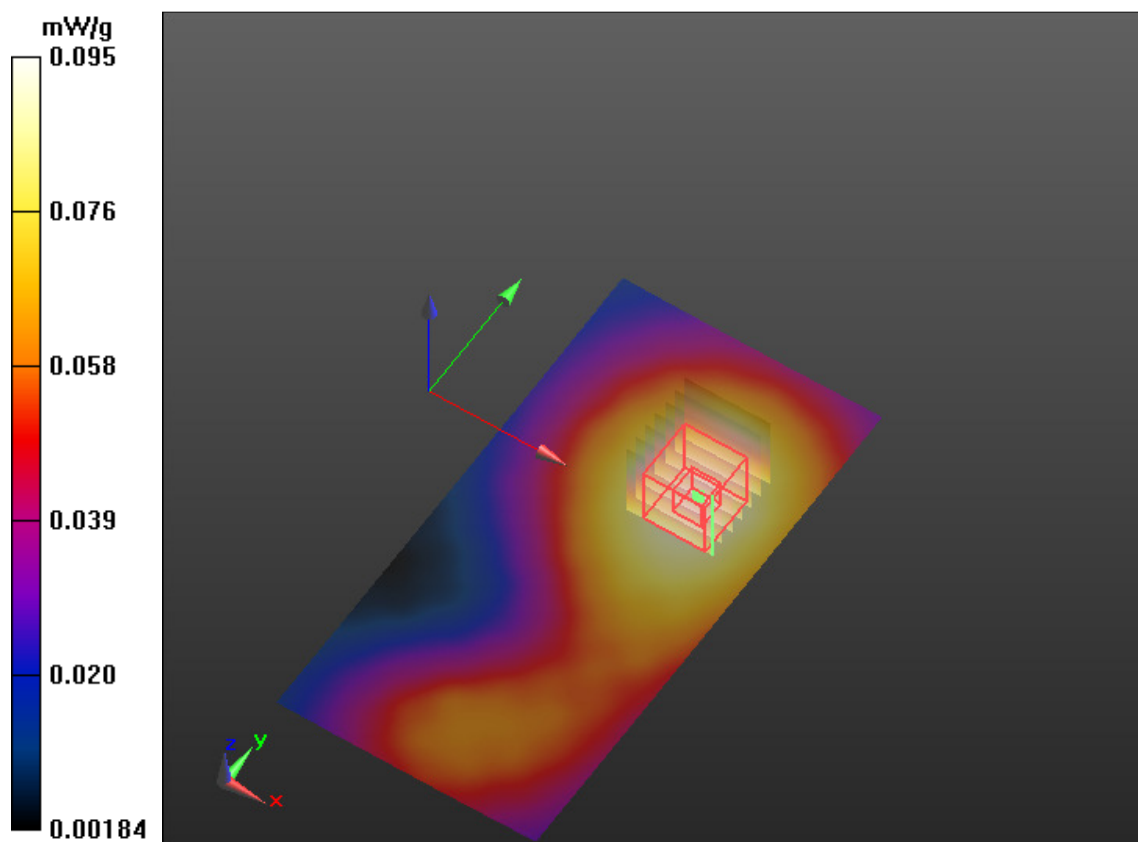
Reference Value = 8.006 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.110 mW/g

**SAR(1 g) = 0.091 mW/g; SAR(10 g) = 0.070 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.0936 mW/g



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## **2 BSL,GSM850 ,GMSK Voice, Mid ch190, 836.6MHz, B1 P2**

**DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz); Frequency: 836.6 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104  
Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.94$  mho/m;  $\epsilon_r = 54.649$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(9.13, 9.13, 9.13); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body, 850GSM, GSMK, Mid Ch 190, 836.6MHz, B1, P2/Area Scan (91x181x1):** Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.0650 mW/g

**Configuration/Body, 850GSM, GSMK, Mid Ch 190, 836.6MHz, B1, P2/Zoom**

**Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

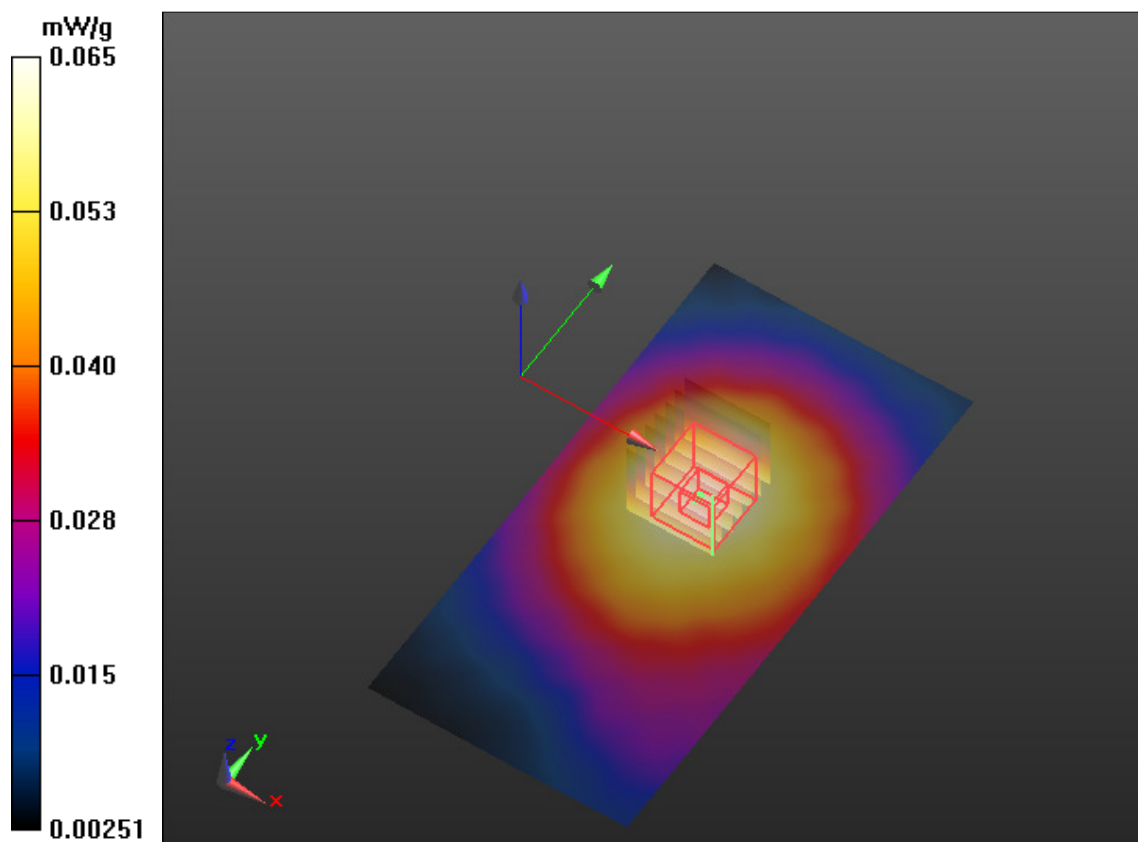
Reference Value = 2.507 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.076 mW/g

**SAR(1 g) = 0.062 mW/g; SAR(10 g) = 0.048 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.0641 mW/g



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### **3 BSL,GSM850 ,GMSK Voice, Mid ch190, 836.6MHz, B2 P1**

**DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz); Frequency: 836.6 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104  
Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.944$  mho/m;  $\epsilon_r = 54.497$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(9.13, 9.13, 9.13); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body, 850GSM, GSMK, Mid Ch 190, 836.6MHz, B2, P1/Area Scan (41x181x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.132 mW/g

**Configuration/Body, 850GSM, GSMK, Mid Ch 190, 836.6MHz, B2, P1/Zoom**

**Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

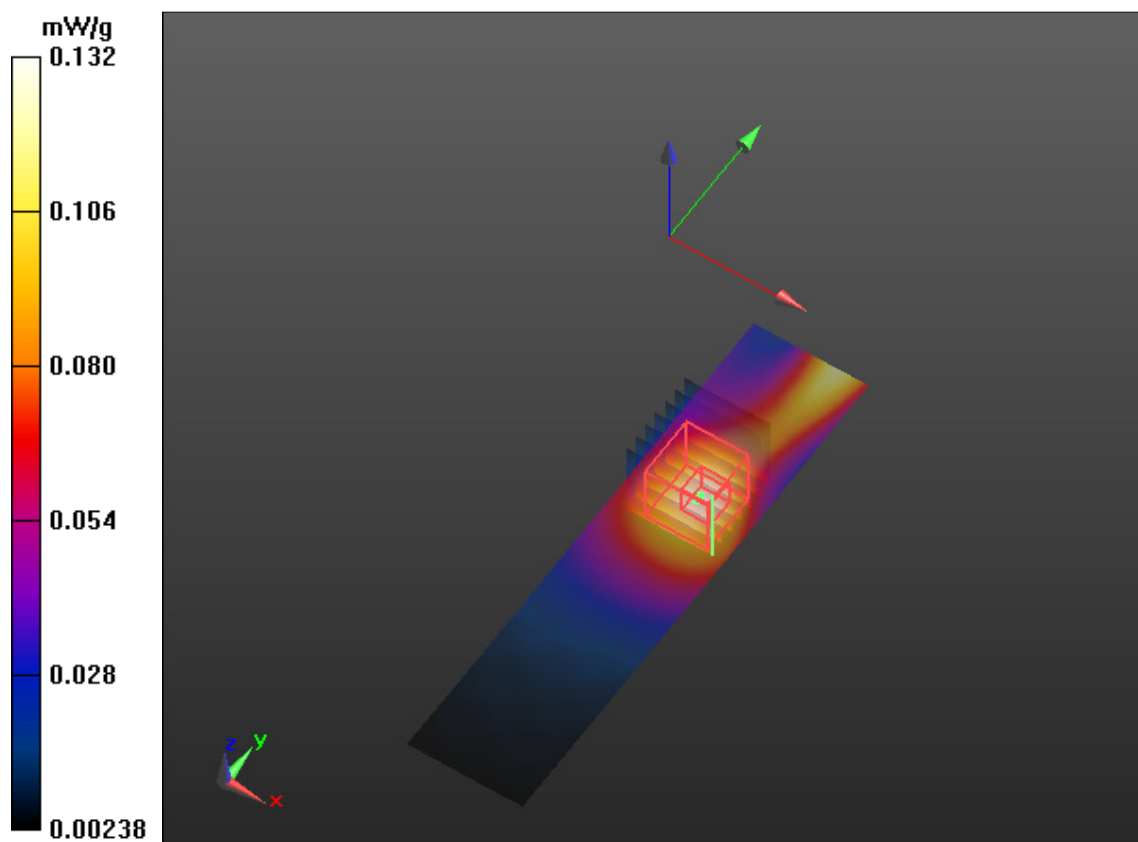
Reference Value = 7.631 V/m; Power Drift = -0.24 dB

Peak SAR (extrapolated) = 0.194 mW/g

**SAR(1 g) = 0.122 mW/g; SAR(10 g) = 0.078 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.130 mW/g



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#### **4 BSL,GSM850 ,GMSK Voice, Mid ch190, 836.6MHz, B3 P1**

**DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz); Frequency: 836.6 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104  
Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.944$  mho/m;  $\epsilon_r = 54.497$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(9.13, 9.13, 9.13); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body, 850GSM, GSMK, Mid Ch 190, 836.6MHz, B3, P1/Area Scan (91x181x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.376 mW/g

**Configuration/Body, 850GSM, GSMK, Mid Ch 190, 836.6MHz, B3, P1/Zoom**

**Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

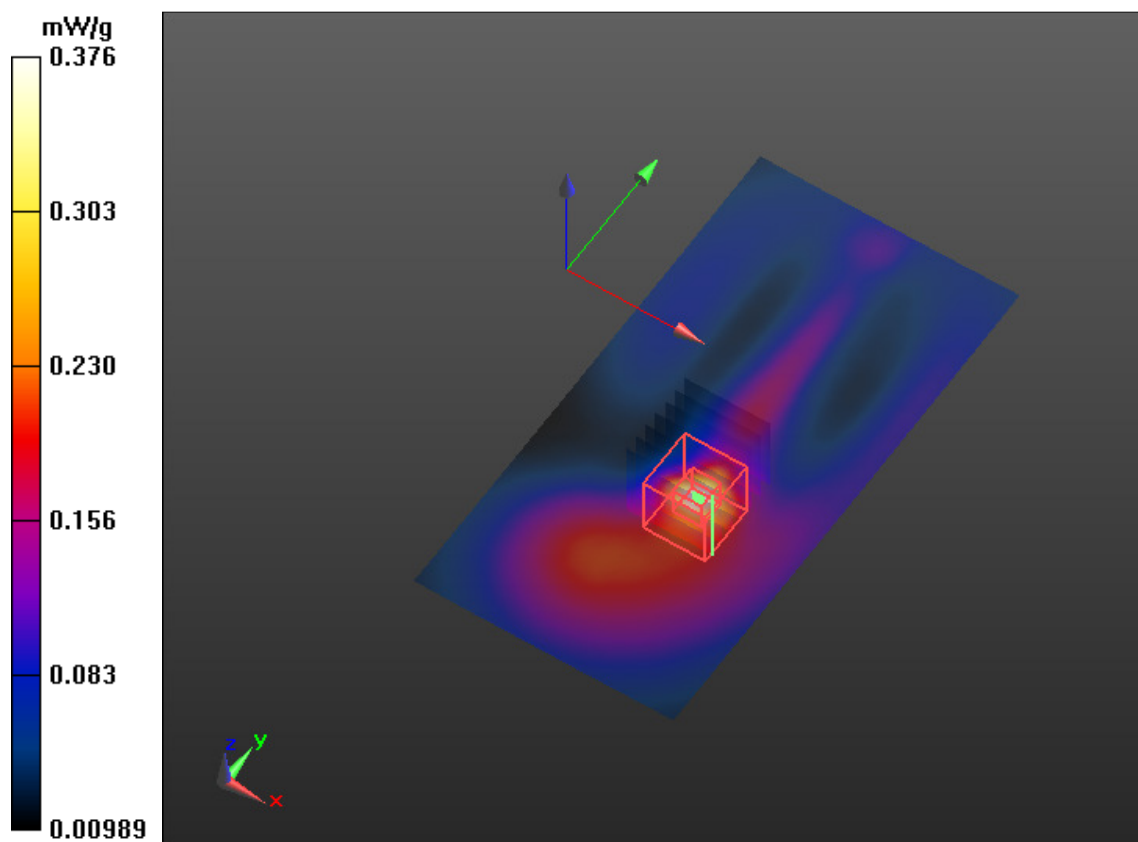
Reference Value = 11.763 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.859 mW/g

**SAR(1 g) = 0.342 mW/g; SAR(10 g) = 0.166 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.374 mW/g



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## **5 BSL,GSM850 ,GMSK Voice, Mid ch190, 836.6MHz, B3 P2**

**DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz); Frequency: 836.6 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104  
Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.944$  mho/m;  $\epsilon_r = 54.497$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(9.13, 9.13, 9.13); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body, 850GSM, GSMK, Mid Ch 190, 836.6MHz, B3, P2/Area Scan (91x181x1):** Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.263 mW/g

**Configuration/Body, 850GSM, GSMK, Mid Ch 190, 836.6MHz, B3, P2/Zoom**

**Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

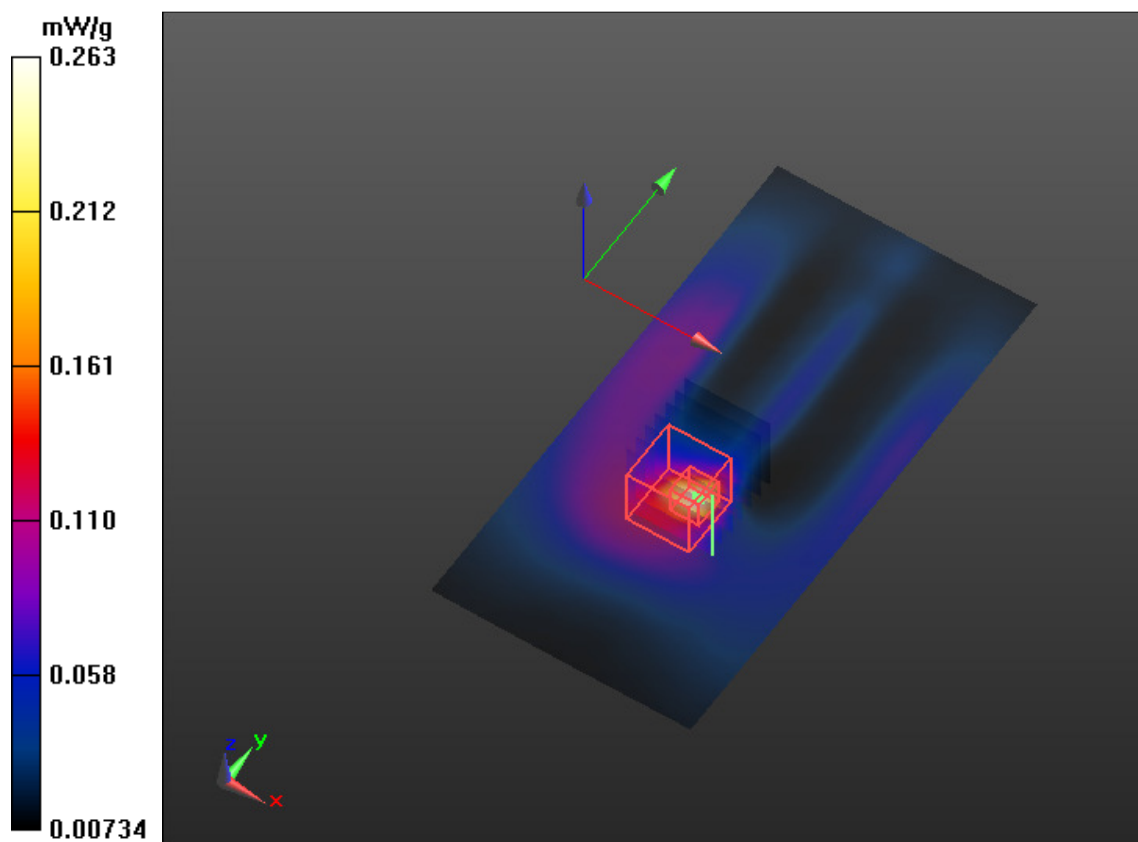
Reference Value = 3.482 V/m; Power Drift = 0.24 dB

Peak SAR (extrapolated) = 0.468 mW/g

**SAR(1 g) = 0.207 mW/g; SAR(10 g) = 0.103 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.229 mW/g



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## **6 BSL,GSM850 ,GMSK Voice, Low ch128, 824.2MHz, B3 P1**

**DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz); Frequency: 824.2 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104  
Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.932$  mho/m;  $\epsilon_r = 54.624$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(9.13, 9.13, 9.13); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body, 850GSM, GSMK, Low Ch 128, 824.2MHz, B3, P1/Area Scan (91x181x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.402 mW/g

**Configuration/Body, 850GSM, GSMK, Low Ch 128, 824.2MHz, B3, P1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

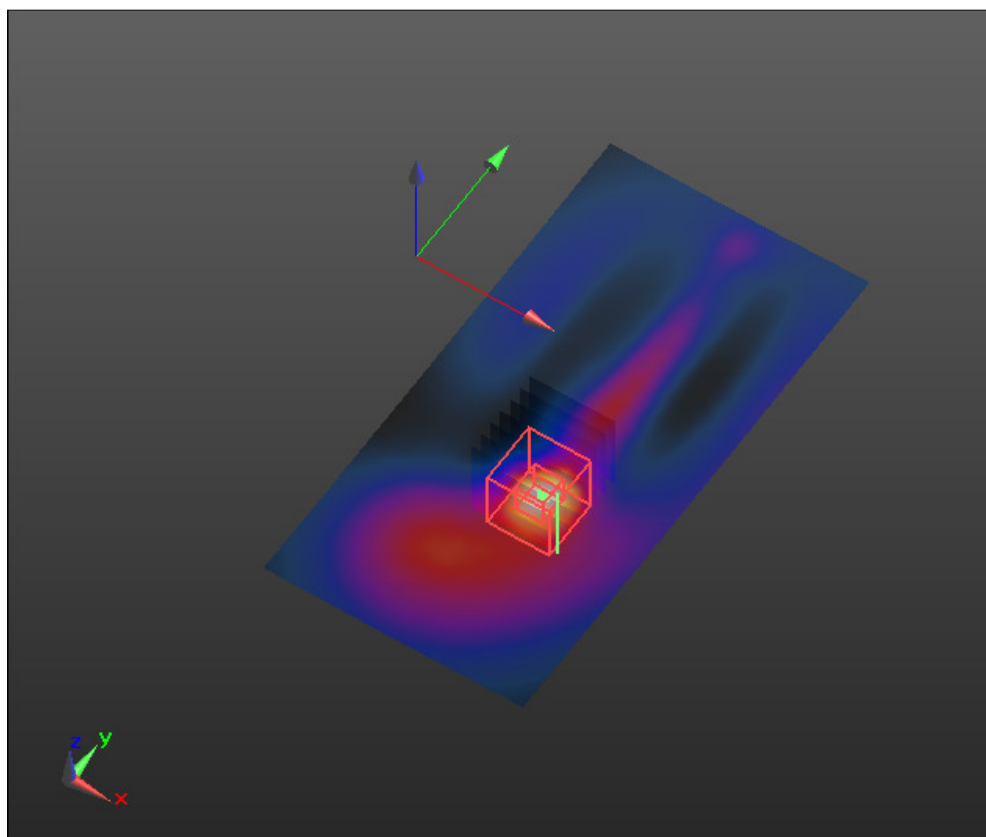
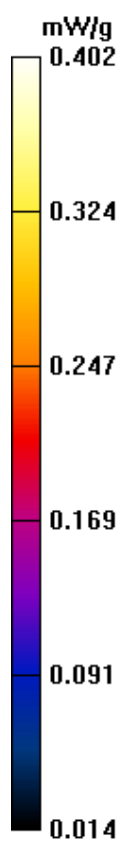
Reference Value = 12.435 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.977 mW/g

**SAR(1 g) = 0.392 mW/g; SAR(10 g) = 0.185 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.426 mW/g



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## **7 BSL,GSM850 ,GMSK Voice, High ch251, 848.8MHz, B3 P1**

**DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz); Frequency: 848.8 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104  
Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 0.954$  mho/m;  $\epsilon_r = 54.283$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(9.13, 9.13, 9.13); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body, 850GSM, GSMK, High Ch 251, 848.8MHz, B3, P1/Area Scan (91x181x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.280 mW/g

**Configuration/Body, 850GSM, GSMK, High Ch 251, 848.8MHz, B3, P1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

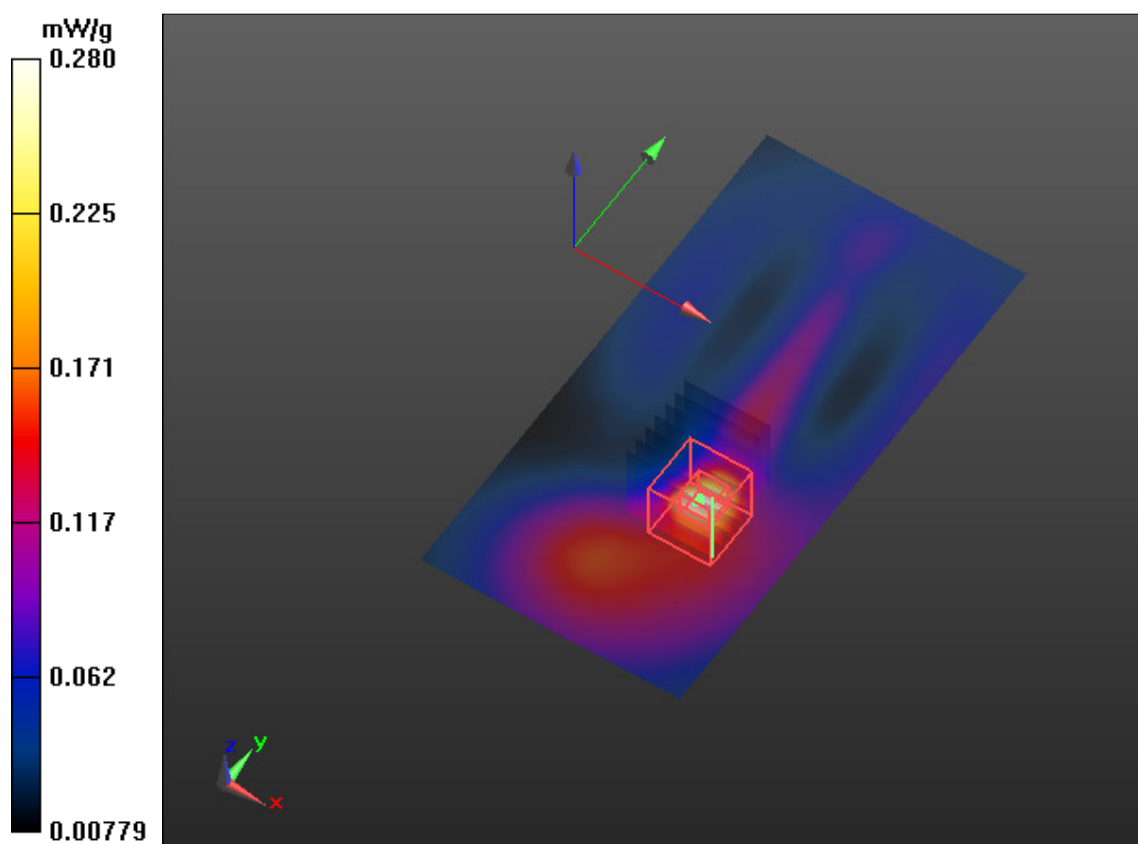
Reference Value = 11.842 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.569 mW/g

**SAR(1 g) = 0.228 mW/g; SAR(10 g) = 0.114 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.250 mW/g



Test Laboratory: SGS North America

## **8 BSL,GPRS850, VoIP, Mid ch190, 836.6MHz, B1 P1 re do**

**DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz); Frequency: 836.6 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104  
Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.945$  mho/m;  $\epsilon_r = 54.147$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(9.13, 9.13, 9.13); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body, GPRS850, VoIP, Mid Ch 190, 836.6MHz, B1, P1/Area Scan (91x181x1):** Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.164 mW/g

**Configuration/Body, GPRS850, VoIP, Mid Ch 190, 836.6MHz, B1, P1/Zoom**

**Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.463 V/m; Power Drift = 0.35 dB

Peak SAR (extrapolated) = 0.197 mW/g

**SAR(1 g) = 0.160 mW/g; SAR(10 g) = 0.124 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.166 mW/g



Test Laboratory: SGS North America

## **9 BSL,GPRS850, VoIP, Mid ch190, 836.6MHz, B1 P2 re do**

**DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz); Frequency: 836.6 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104  
Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.945$  mho/m;  $\epsilon_r = 54.147$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(9.13, 9.13, 9.13); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body, GPRS850, VoIP, Mid Ch 190, 836.6MHz, B1, P2/Area Scan (91x181x1):** Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.107 mW/g

**Configuration/Body, GPRS850, VoIP, Mid Ch 190, 836.6MHz, B1, P2/Zoom**

**Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

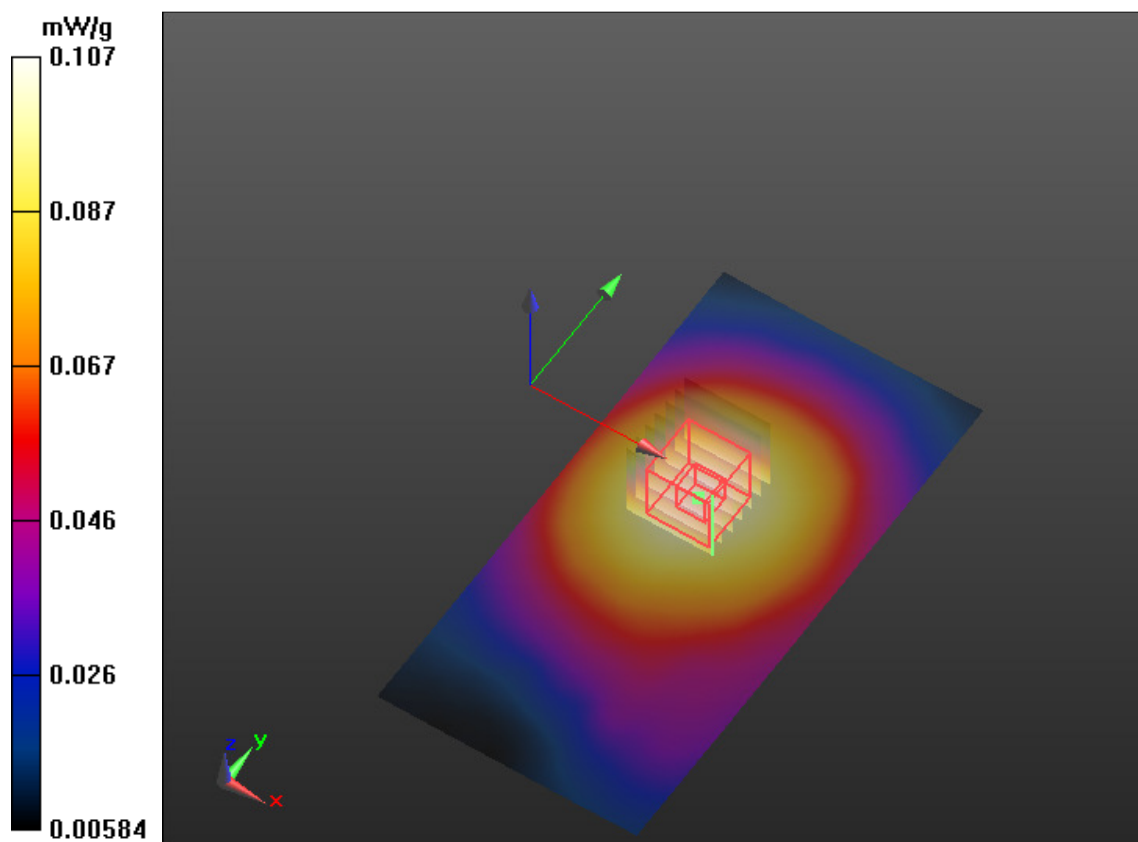
Reference Value = 3.448 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.128 mW/g

**SAR(1 g) = 0.104 mW/g; SAR(10 g) = 0.080 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.107 mW/g



Test Laboratory: SGS North America

## **10 BSL,GPRS850, VoIP, Mid ch190, 836.6MHz, B2 P1 re do**

**DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz); Frequency: 836.6 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104  
Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.945$  mho/m;  $\epsilon_r = 54.147$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(9.13, 9.13, 9.13); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body, GPRS850, VoIP, Mid Ch 190, 836.6MHz, B2, P1/Area Scan (41x181x1):** Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.303 mW/g

**Configuration/Body, GPRS850, VoIP, Mid Ch 190, 836.6MHz, B2, P1/Zoom**

**Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

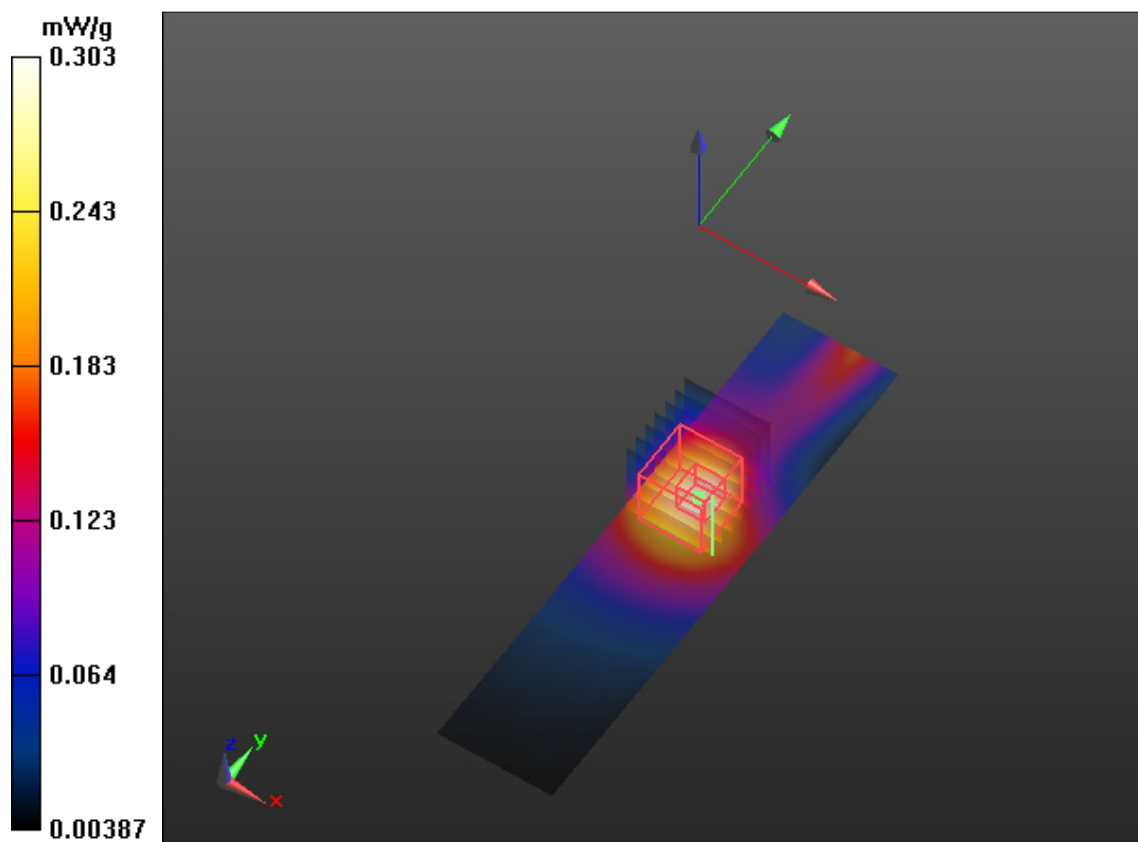
Reference Value = 11.780 V/m; Power Drift = 0.30 dB

Peak SAR (extrapolated) = 0.452 mW/g

**SAR(1 g) = 0.283 mW/g; SAR(10 g) = 0.182 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.301 mW/g



Test Laboratory: SGS North America

## **11 BSL,GPRS850, VoIP, Mid ch190, 836.6MHz, B3 P1 re do**

**DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz); Frequency: 836.6 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104  
Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.945$  mho/m;  $\epsilon_r = 54.147$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(9.13, 9.13, 9.13); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body, GPRS850, VoIP, Mid Ch 190, 836.6MHz, B3, P1/Area Scan (91x181x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.784 mW/g

**Configuration/Body, GPRS850, VoIP, Mid Ch 190, 836.6MHz, B3, P1/Zoom**

**Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

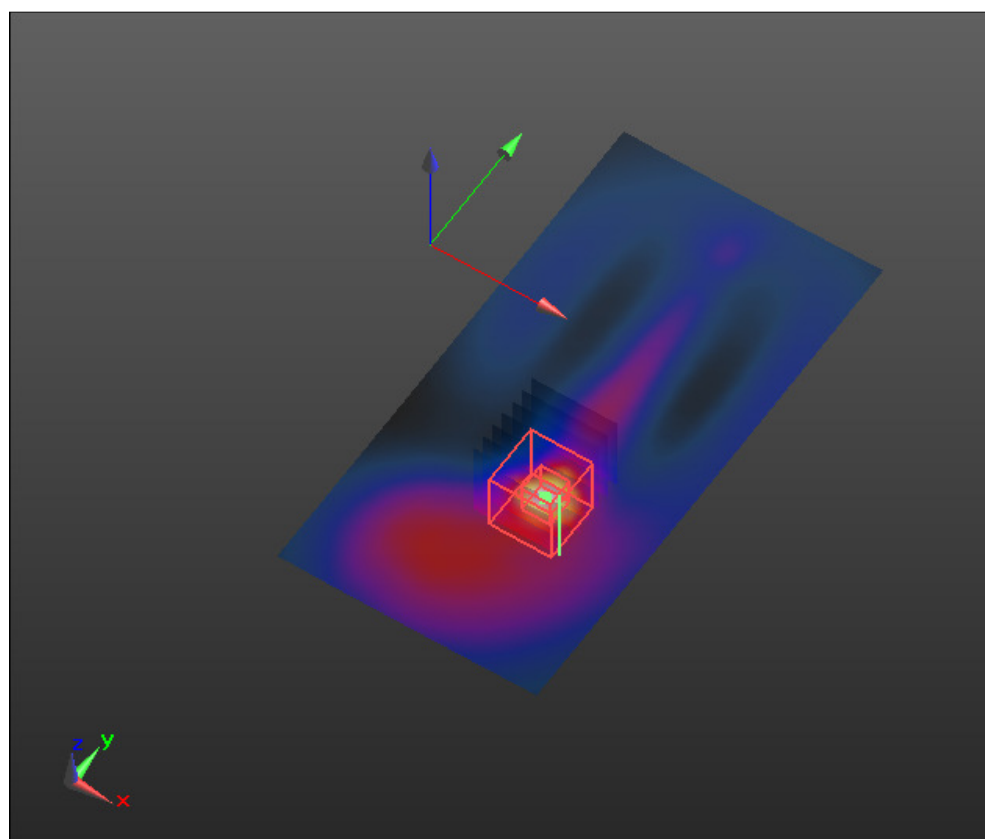
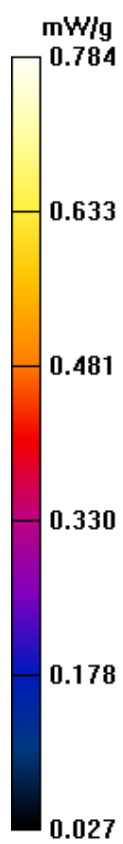
Reference Value = 19.160 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.995 mW/g

**SAR(1 g) = 0.747 mW/g; SAR(10 g) = 0.351 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.830 mW/g



Test Laboratory: SGS North America

## **12 BSL,GPRS850, VoIP, Mid ch190, 836.6MHz, B3 P2 re do**

### **DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz); Frequency: 836.6 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104  
Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.945$  mho/m;  $\epsilon_r = 54.147$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(9.13, 9.13, 9.13); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body, GPRS850, VoIP, Mid Ch 190, 836.6MHz, B3, P2/Area Scan (91x181x1):** Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.385 mW/g

**Configuration/Body, GPRS850, VoIP, Mid Ch 190, 836.6MHz, B3, P2/Zoom**

**Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

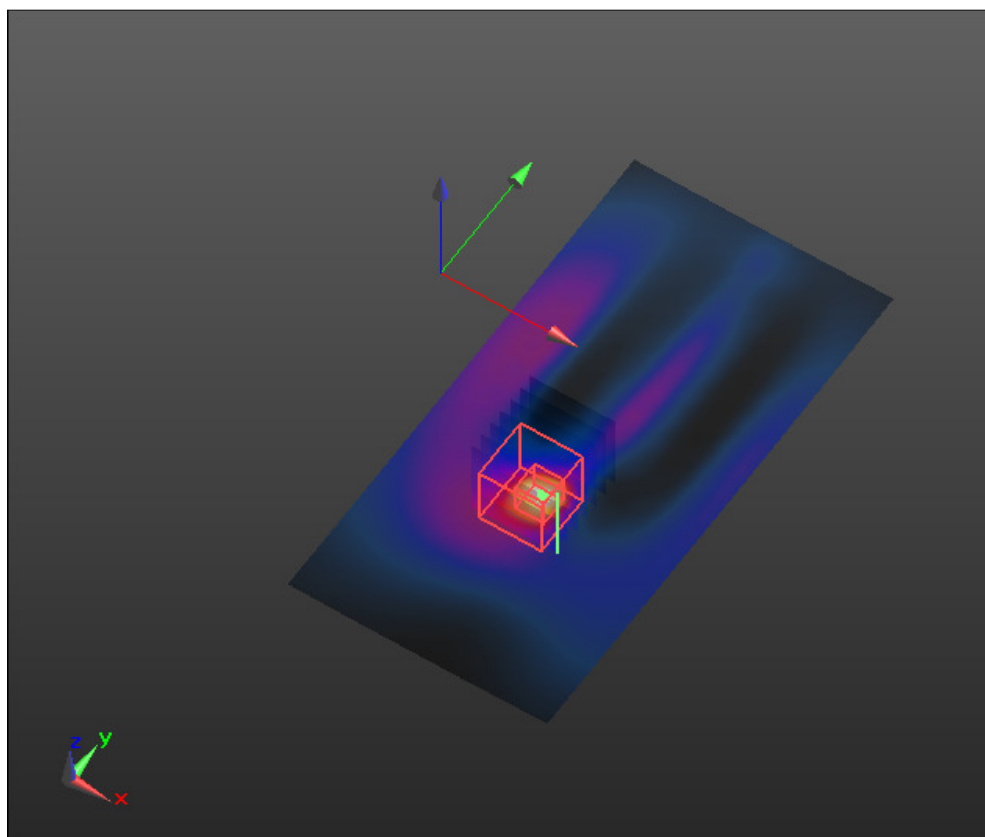
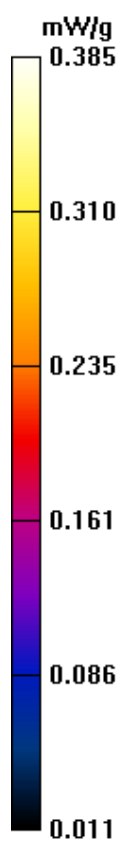
Reference Value = 4.474 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.844 mW/g

**SAR(1 g) = 0.321 mW/g; SAR(10 g) = 0.145 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.366 mW/g



Test Laboratory: SGS North America

### **13 BSL,GPRS850, VoIP, Low ch128, 824.2MHz, B3 P1 re do**

**DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz); Frequency: 824.2 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104  
Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.933$  mho/m;  $\epsilon_r = 54.273$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(9.13, 9.13, 9.13); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body, GPRS850, VoIP, Low Ch 128, 824.2MHz, B3, P1/Area Scan (91x181x1):** Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.951 mW/g

**Configuration/Body, GPRS850, VoIP, Low Ch 128, 824.2MHz, B3, P1/Zoom**

**Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

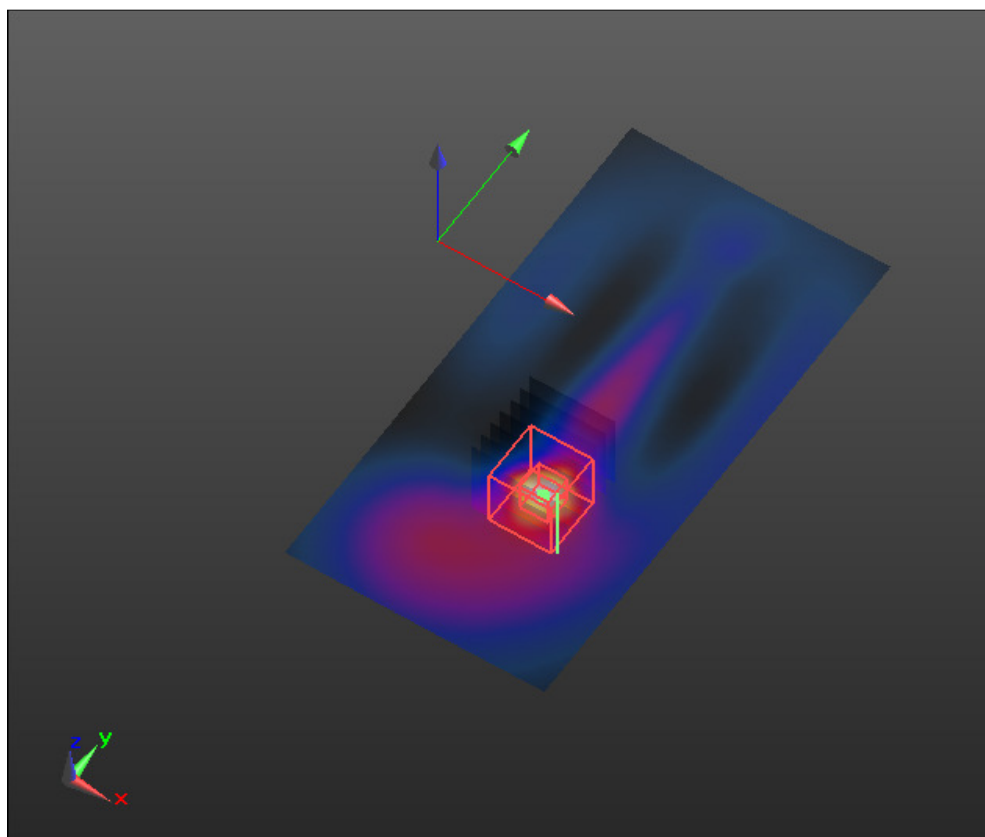
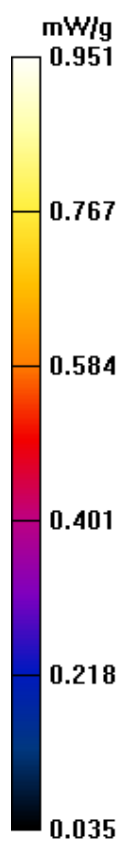
Reference Value = 19.166 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.533 mW/g

**SAR(1 g) = 0.925 mW/g; SAR(10 g) = 0.412 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.03 mW/g



Test Laboratory: SGS North America

## **14 BSL,GPRS850, VoIP, High ch251, 848.8MHz, B3 P1 re do**

### **DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz); Frequency: 848.8 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104  
Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 0.957$  mho/m;  $\epsilon_r = 54.03$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(9.13, 9.13, 9.13); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

### **Configuration/Body, GPRS850, VoIP, High Ch251, 848.8MHz, B3, P1/Area Scan (91x181x1):** Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.478 mW/g

### **Configuration/Body, GPRS850, VoIP, High Ch251, 848.8MHz, B3, P1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

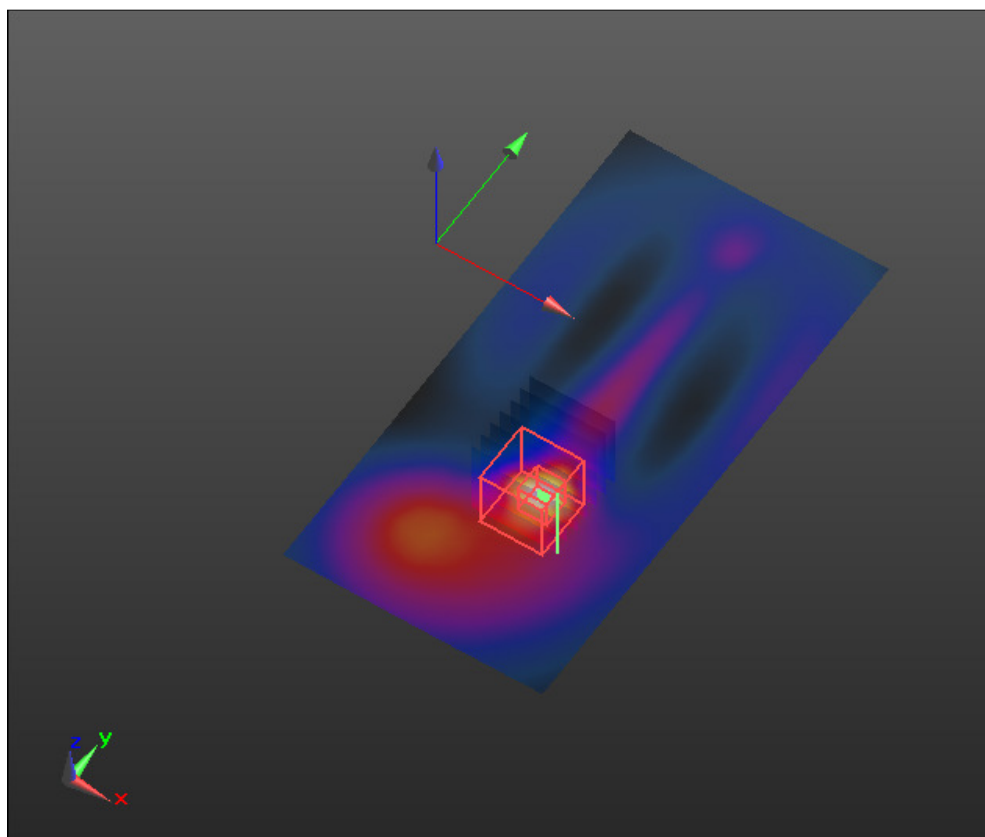
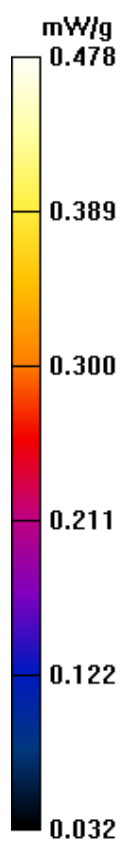
Reference Value = 14.999 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.243 mW/g

**SAR(1 g) = 0.457 mW/g; SAR(10 g) = 0.214 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.511 mW/g



Test Laboratory: SGS North America

**15 BSL850,WCDMA Band V, UMTS, RMC 12.2K, Mid ch4183,  
836.6MHz, B1 P1**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 836.6 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.942$  mho/m;  $\epsilon_r = 54.306$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

**DASY Configuration:**

- Probe: EX3DV4 - SN3812; ConvF(9.13, 9.13, 9.13); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body,850, WCDMA Band V, UMTS RMC 12.2K Mid Ch 4183,  
836.3MHz, B1, P1/Area Scan (91x181x1):** Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.118 mW/g

**Configuration/Body,850, WCDMA Band V, UMTS RMC 12.2K Mid Ch 4183,  
836.3MHz, B1, P1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm,

dy=5mm, dz=5mm

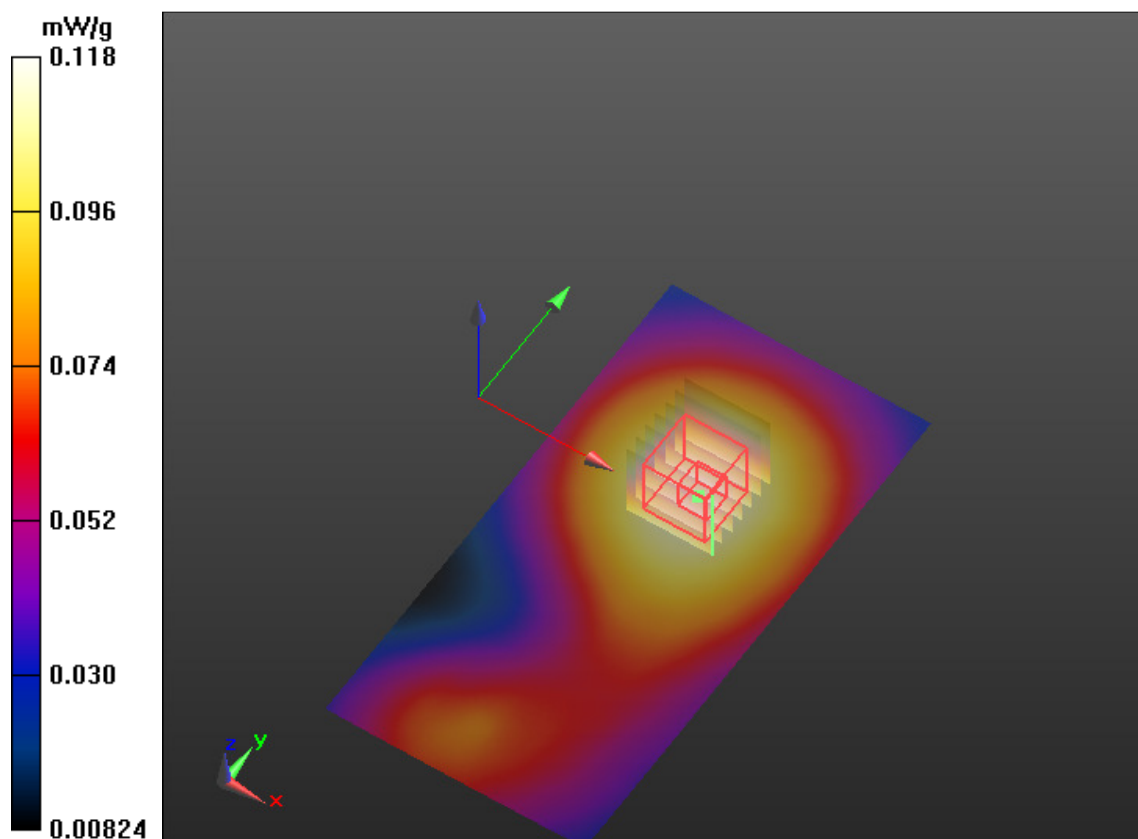
Reference Value = 8.821 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.142 mW/g

**SAR(1 g) = 0.115 mW/g; SAR(10 g) = 0.089 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.119 mW/g



Test Laboratory: SGS North America

**16 BSL850,WCDMA Band V, UMTS, RMC 12.2K, Mid ch4183,  
836.6MHz, B1 P2**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 836.6 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.942$  mho/m;  $\epsilon_r = 54.306$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

**DASY Configuration:**

- Probe: EX3DV4 - SN3812; ConvF(9.13, 9.13, 9.13); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body,850, WCDMA Band V, UMTS RMC 12.2K Mid Ch 4183,  
836.3MHz, B1, P2/Area Scan (91x181x1):** Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.0732 mW/g

**Configuration/Body,850, WCDMA Band V, UMTS RMC 12.2K Mid Ch 4183,  
836.3MHz, B1, P2/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm,

dy=5mm, dz=5mm

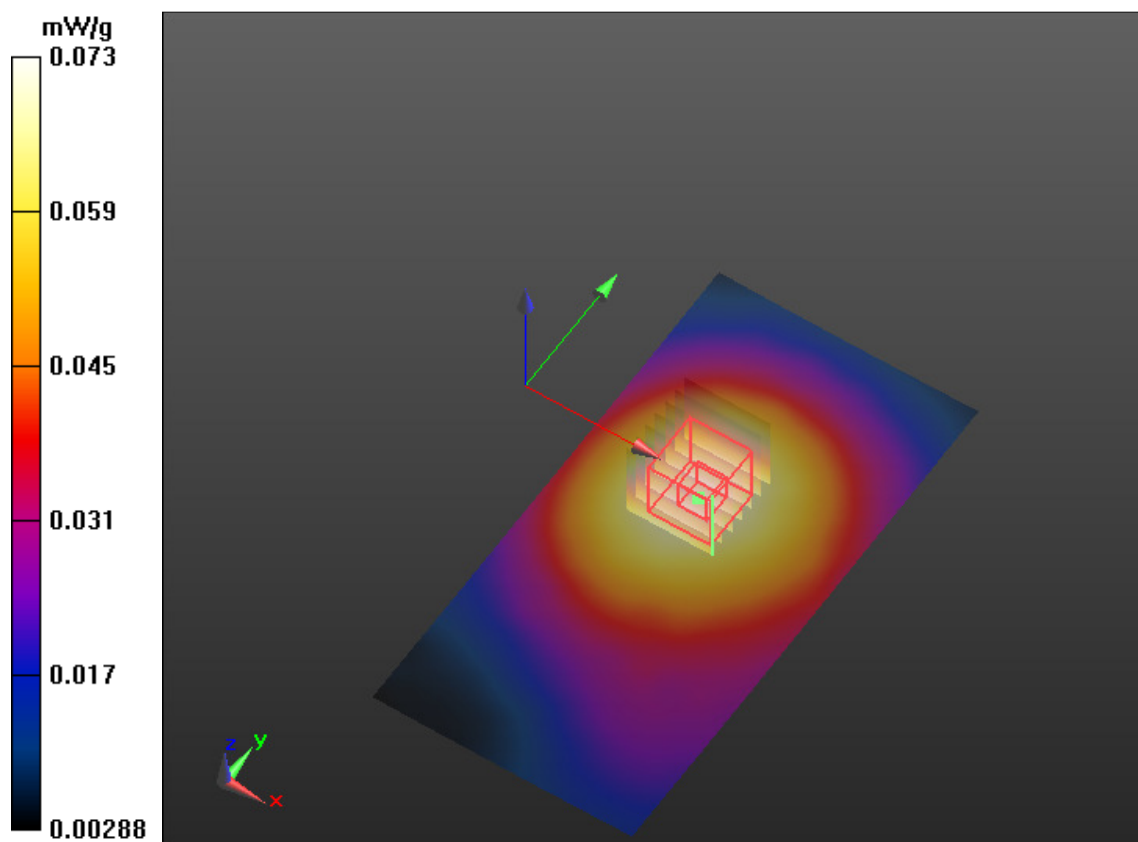
Reference Value = 3.663 V/m; Power Drift = -0.60 dB

Peak SAR (extrapolated) = 0.085 mW/g

**SAR(1 g) = 0.070 mW/g; SAR(10 g) = 0.054 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.0721 mW/g



Test Laboratory: SGS North America

**17 BSL850,WCDMA Band V, UMTS, RMC 12.2K, Mid ch4183,  
836.6MHz, B2 P1**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 836.6 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.942$  mho/m;  $\epsilon_r = 54.306$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

**DASY Configuration:**

- Probe: EX3DV4 - SN3812; ConvF(9.13, 9.13, 9.13); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body,850, WCDMA Band V, UMTS RMC 12.2K Mid Ch 4183,  
836.3MHz, B2, P1/Area Scan (41x181x1):** Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.146 mW/g

**Configuration/Body,850, WCDMA Band V, UMTS RMC 12.2K Mid Ch 4183,  
836.3MHz, B2, P1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm,

dy=5mm, dz=5mm

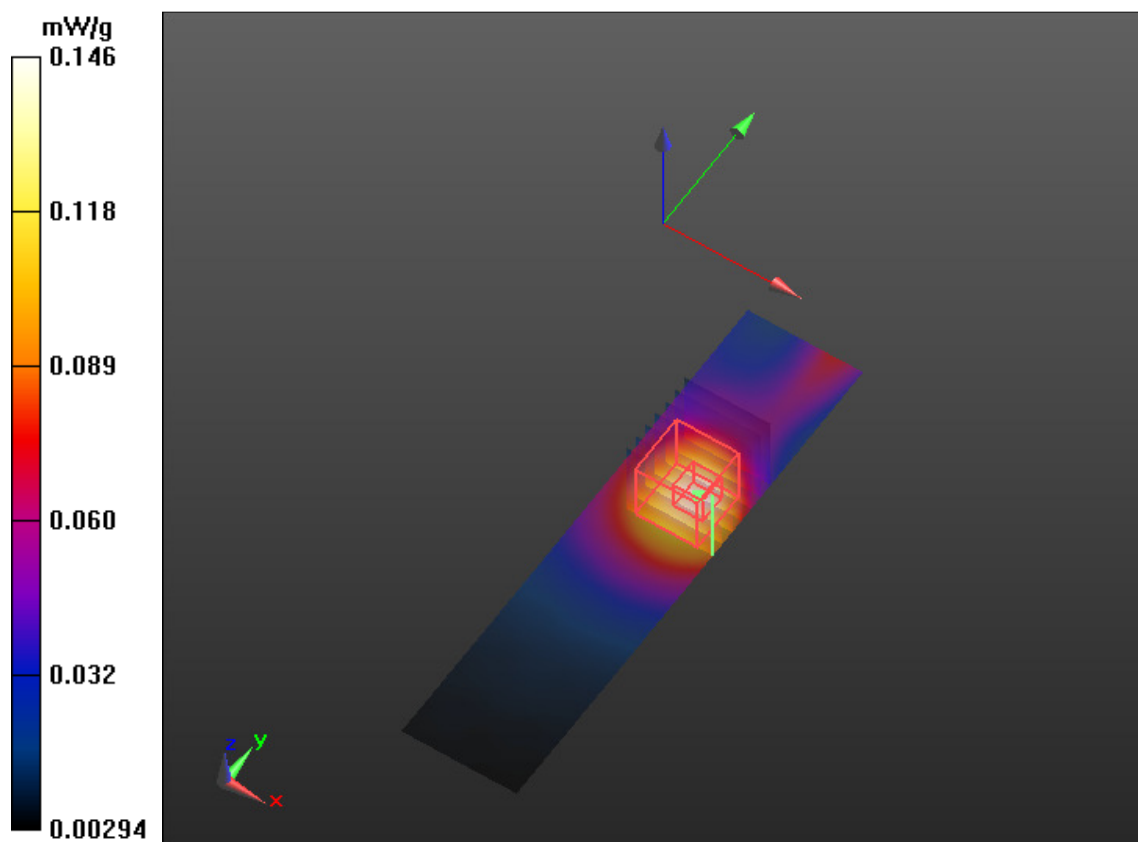
Reference Value = 8.336 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.211 mW/g

**SAR(1 g) = 0.136 mW/g; SAR(10 g) = 0.088 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.145 mW/g



Test Laboratory: SGS North America

**BSL,WCDMA Band V, UMTS, RMC 12.2K, Mid ch4183, 836.6MHz, B3 P1**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 836.6 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.942$  mho/m;  $\epsilon_r = 54.306$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

**DASY Configuration:**

- Probe: EX3DV4 - SN3812; ConvF(9.13, 9.13, 9.13); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body,850, WCDMA Band V, UMTS RMC 12.2K Mid Ch 4183, 836.3MHz, B3, P1/Area Scan (91x181x1):** Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.565 mW/g

**Configuration/Body,850, WCDMA Band V, UMTS RMC 12.2K Mid Ch 4183, 836.3MHz, B3, P1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm,

dy=5mm, dz=5mm

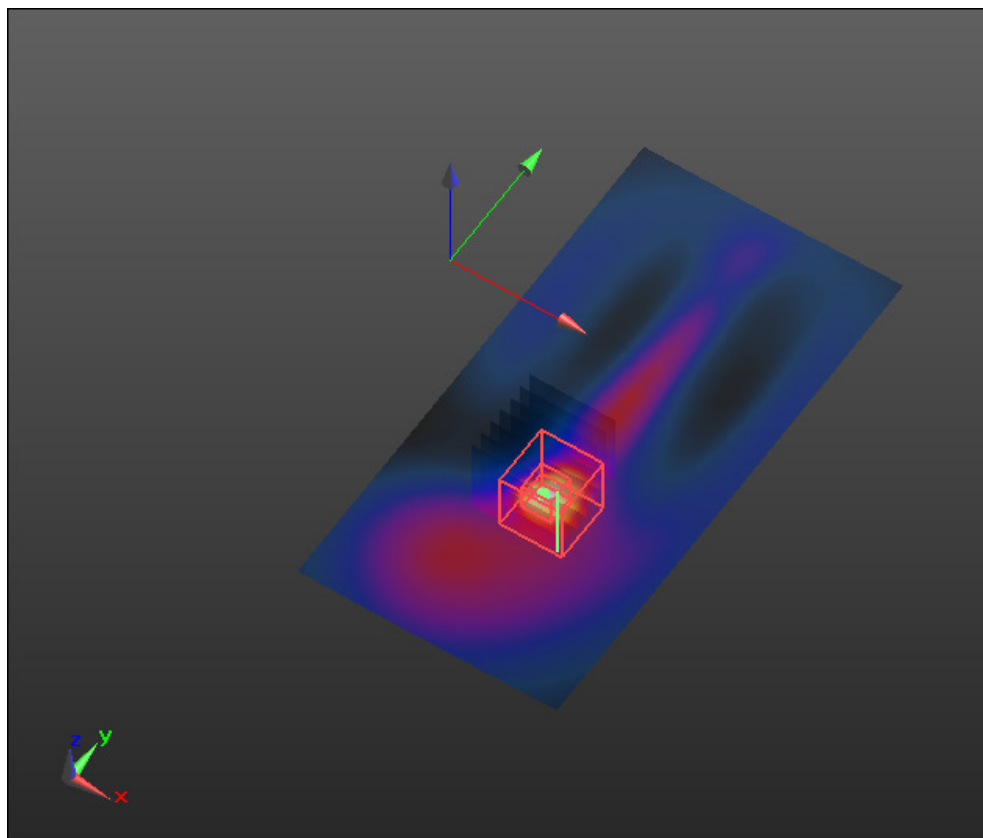
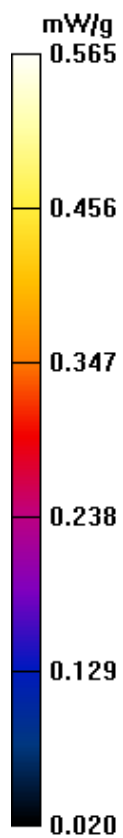
Reference Value = 14.907 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.255 mW/g

**SAR(1 g) = 0.429 mW/g; SAR(10 g) = 0.208 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.463 mW/g



Test Laboratory: SGS North America

**18 BSL850,WCDMA Band V, UMTS, RMC 12.2K, Mid ch4183,  
836.6MHz, B3 P2**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 836.6 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.942$  mho/m;  $\epsilon_r = 54.306$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

**DASY Configuration:**

- Probe: EX3DV4 - SN3812; ConvF(9.13, 9.13, 9.13); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body,850, WCDMA Band V, UMTS RMC 12.2K Mid Ch 4183,  
836.3MHz, B3, P2/Area Scan (91x181x1):** Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.192 mW/g

**Configuration/Body,850, WCDMA Band V, UMTS RMC 12.2K Mid Ch 4183,  
836.3MHz, B3, P2/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm,

dy=5mm, dz=5mm

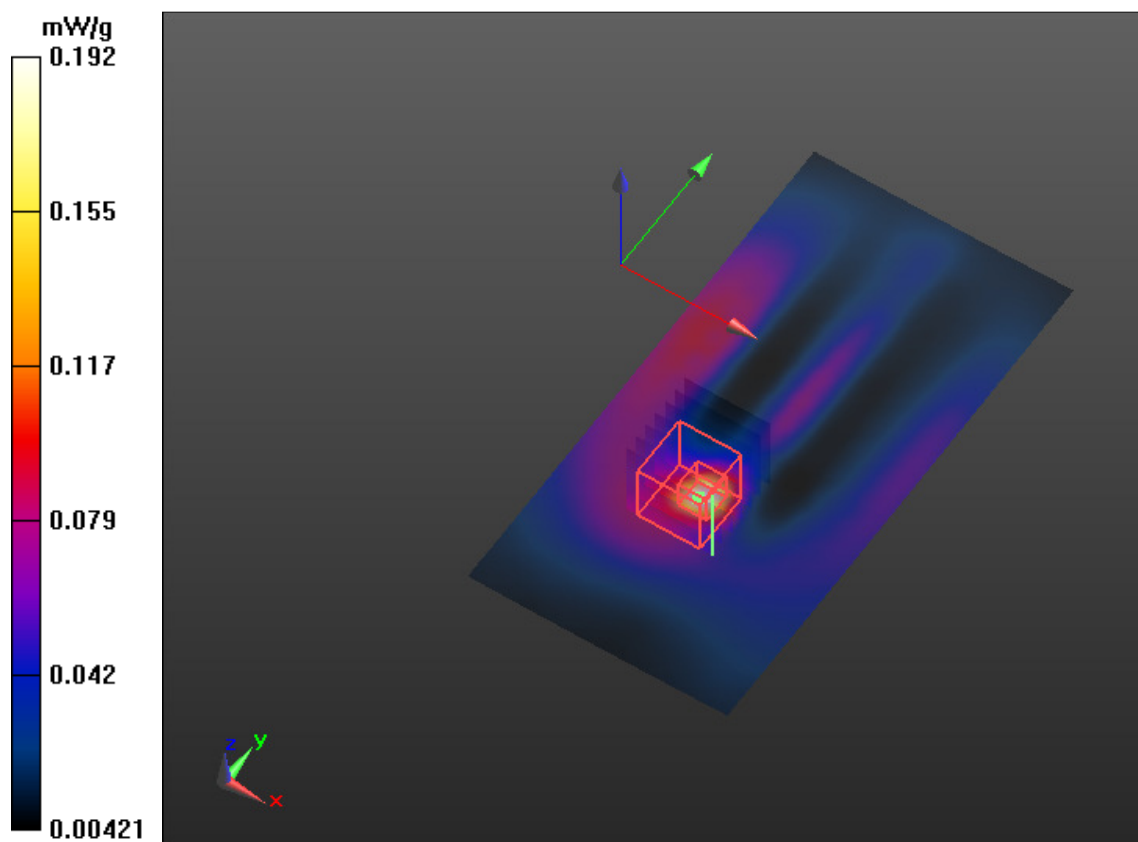
Reference Value = 3.673 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.418 mW/g

**SAR(1 g) = 0.163 mW/g; SAR(10 g) = 0.076 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.192 mW/g



Test Laboratory: SGS North America

**19 BSL850,WCDMA Band V, UMTS, RMC 12.2K, Low ch4132, 826.4MHz, B3 P1**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 836.6 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.942$  mho/m;  $\epsilon_r = 54.306$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

**DASY Configuration:**

- Probe: EX3DV4 - SN3812; ConvF(9.13, 9.13, 9.13); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body,850, WCDMA Band V, UMTS RMC 12.2K Low Ch 4132, 826.4MHz, B3, P1/Area Scan (91x181x1):** Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.496 mW/g

**Configuration/Body,850, WCDMA Band V, UMTS RMC 12.2K Low Ch 4132, 826.4MHz, B3, P1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm,

dy=5mm, dz=5mm

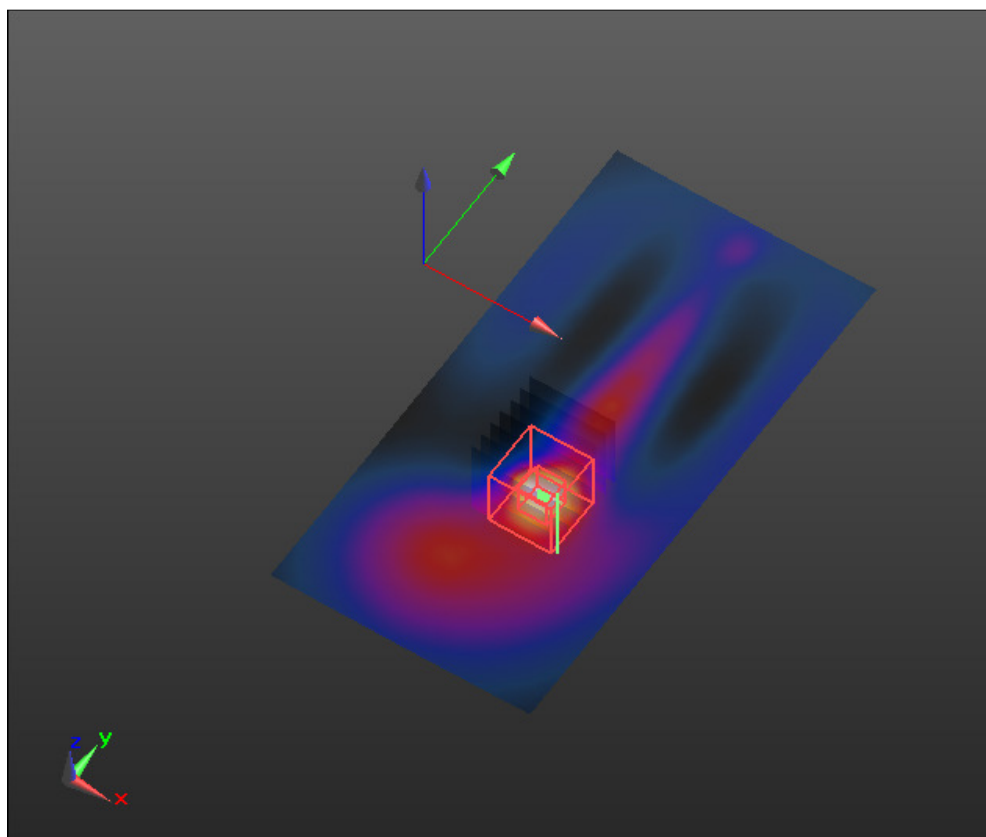
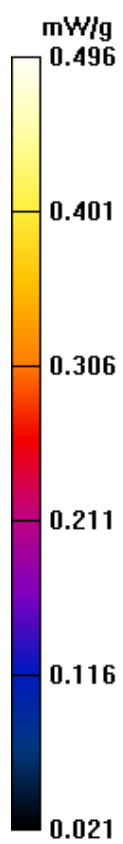
Reference Value = 13.629 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.359 mW/g

**SAR(1 g) = 0.508 mW/g; SAR(10 g) = 0.231 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.545 mW/g



Test Laboratory: SGS North America

**20 BSL850,WCDMA Band V, UMTS, RMC 12.2K, High ch4233, 846.6MHz, B3 P1**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 836.6 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.942$  mho/m;  $\epsilon_r = 54.306$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

**DASY Configuration:**

- Probe: EX3DV4 - SN3812; ConvF(9.13, 9.13, 9.13); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body,850, WCDMA Band V, UMTS RMC 12.2K High Ch 4233, 846.6MHz, B3, P1/Area Scan (91x181x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.348 mW/g

**Configuration/Body,850, WCDMA Band V, UMTS RMC 12.2K High Ch 4233, 846.6MHz, B3, P1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

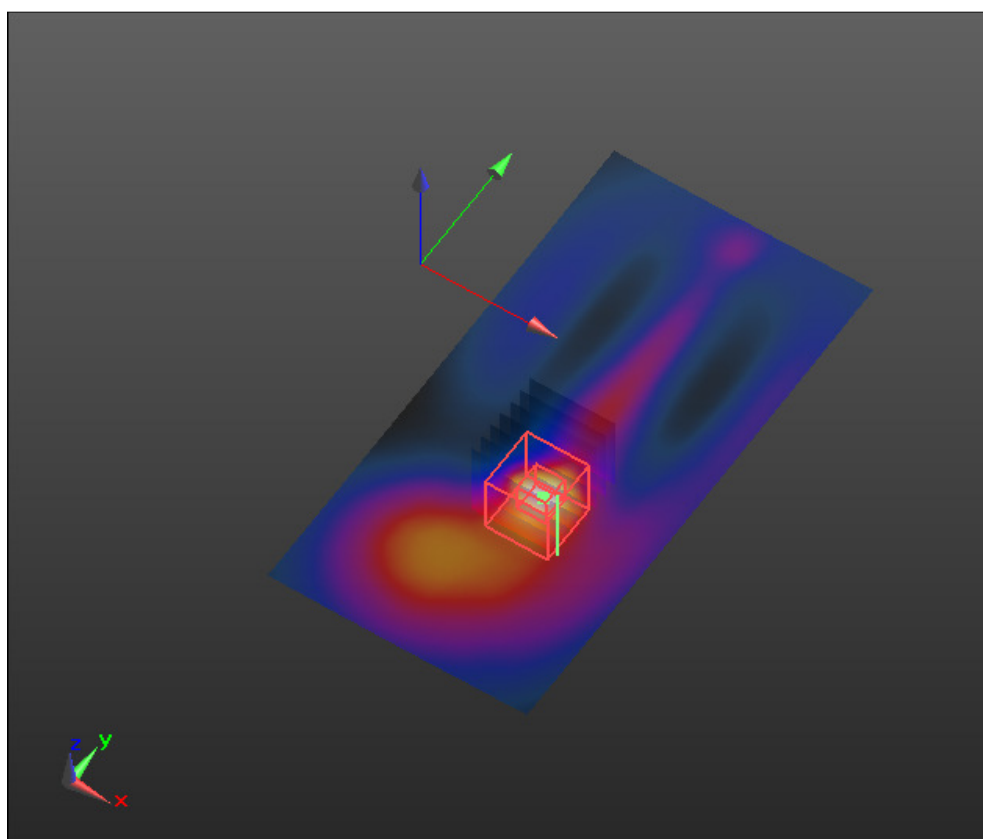
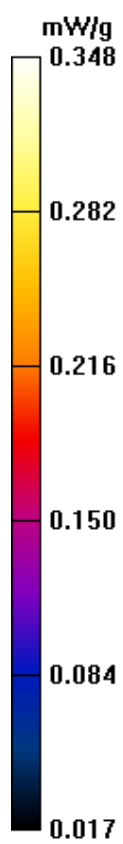
Reference Value = 12.717 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.841 mW/g

**SAR(1 g) = 0.327 mW/g; SAR(10 g) = 0.158 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.360 mW/g



Test Laboratory: SGS North America

## **21 BSL850,CDMA 1XRTT, RC3, Mid ch384 836.52MHz, B1 P1**

### **DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 836.6 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.946$  mho/m;  $\epsilon_r = 54.165$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

#### DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(9.13, 9.13, 9.13); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

### **Configuration/Body,850, CDMA 1XRTT, RC3. Mid Ch384 836.52MHz, B1, P1/Area Scan (91x181x1):** Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.114 mW/g

### **Configuration/Body,850, CDMA 1XRTT, RC3. Mid Ch384 836.52MHz, B1, P1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

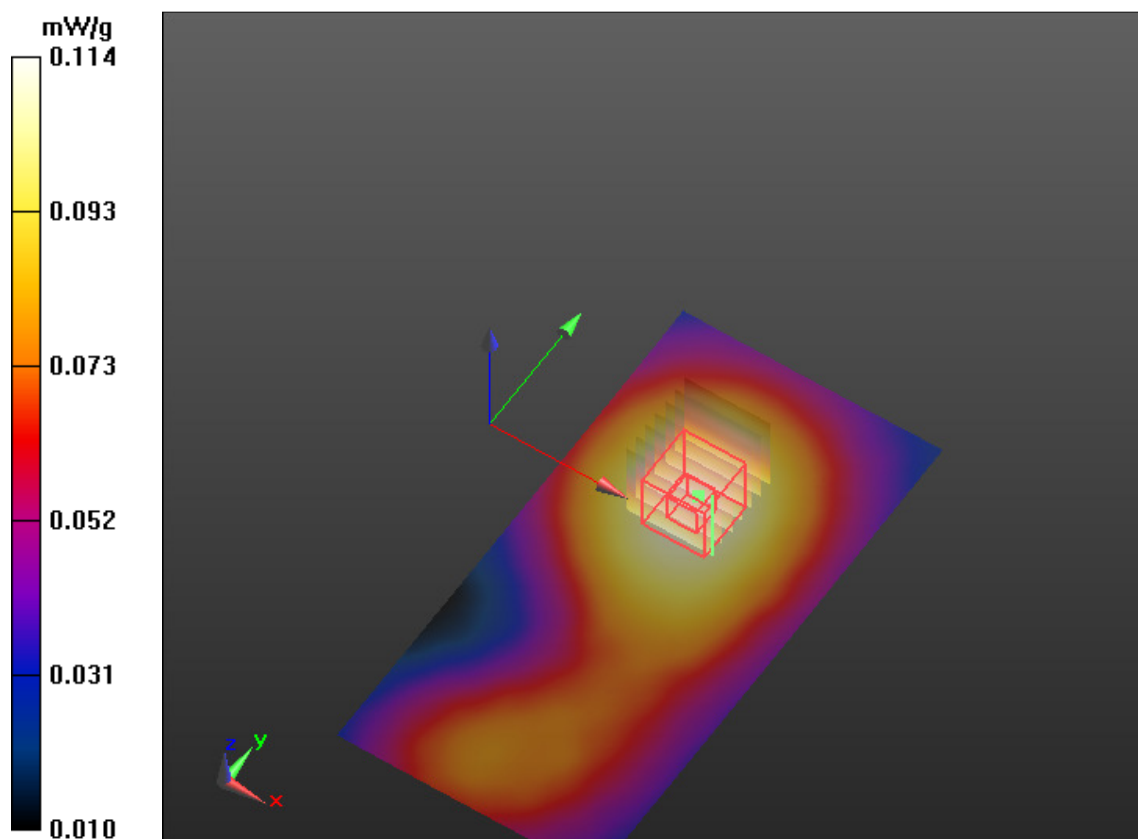
Reference Value = 8.827 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.135 mW/g

**SAR(1 g) = 0.111 mW/g; SAR(10 g) = 0.086 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.115 mW/g



Test Laboratory: SGS North America

## **22 BSL850,CDMA 1XRTT, RC3, Mid ch384 836.52MHz, B1 P2**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 836.6 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.946$  mho/m;  $\epsilon_r = 54.165$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(9.13, 9.13, 9.13); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body,850, CDMA 1XRTT, RC3. Mid Ch384 836.52MHz, B1, P2/Area Scan (91x181x1):** Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.0669 mW/g

**Configuration/Body,850, CDMA 1XRTT, RC3. Mid Ch384 836.52MHz, B1, P2/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

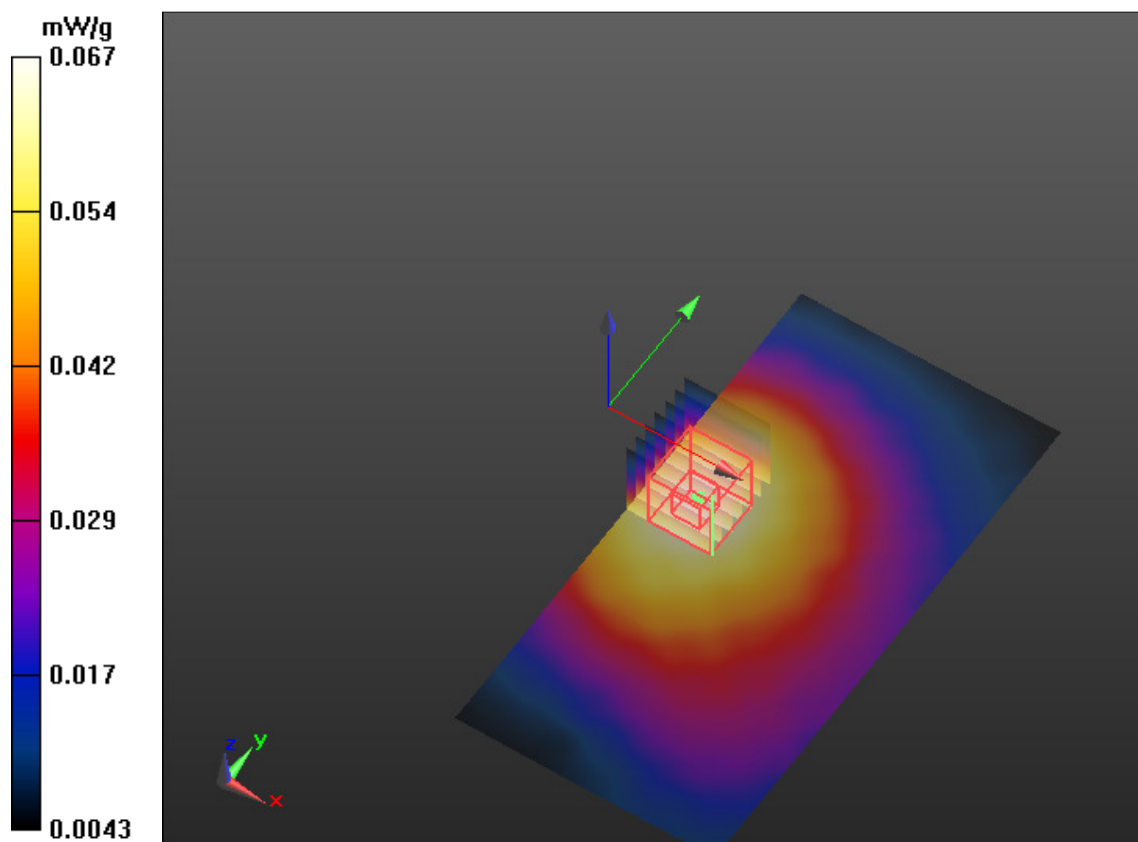
Reference Value = 3.824 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.078 mW/g

**SAR(1 g) = 0.064 mW/g; SAR(10 g) = 0.049 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.0665 mW/g



Test Laboratory: SGS North America

**23 BSL850,CDMA 1XRTT, RC3, Mid ch384 836.52MHz, B2 P1**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 836.6 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.946$  mho/m;  $\epsilon_r = 54.165$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(9.13, 9.13, 9.13); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body,850, CDMA 1XRTT, RC3. Mid Ch384 836.52MHz, B2, P1/Area Scan (41x181x1):** Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.111 mW/g

**Configuration/Body,850, CDMA 1XRTT, RC3. Mid Ch384 836.52MHz, B2, P1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

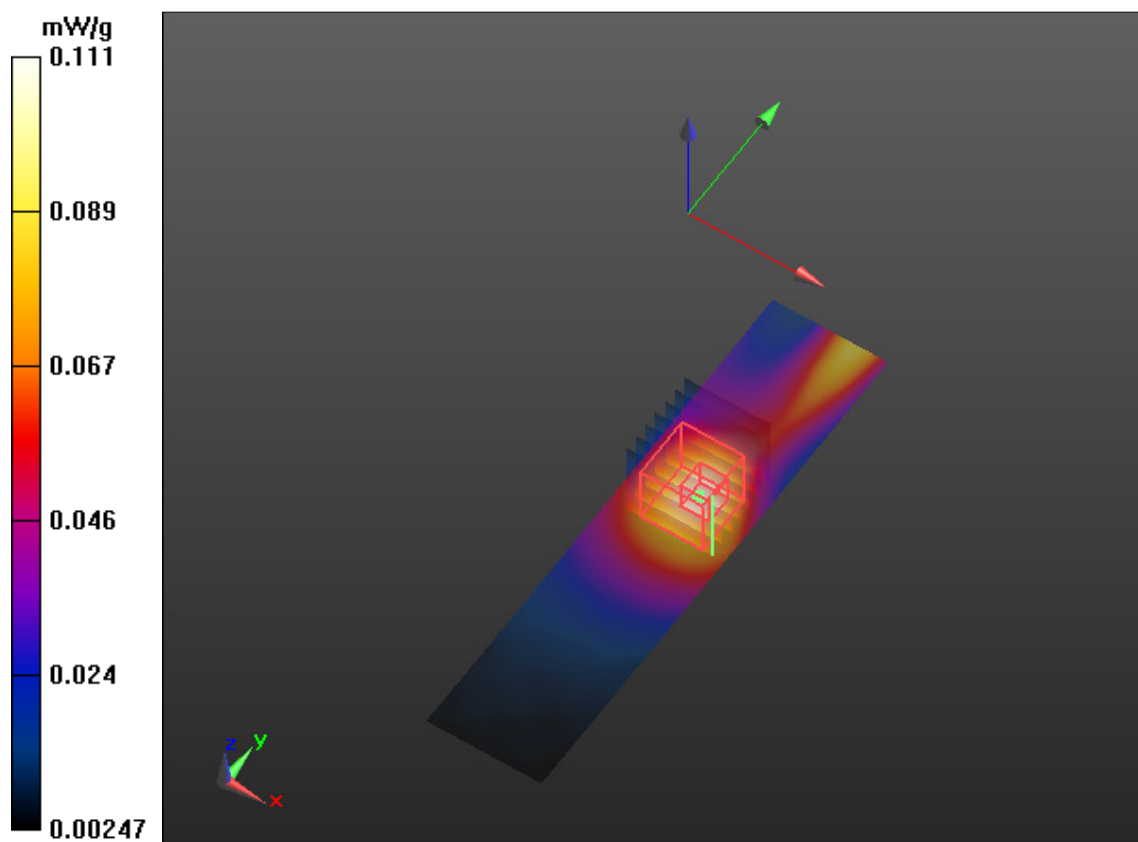
Reference Value = 8.314 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.173 mW/g

**SAR(1 g) = 0.105 mW/g; SAR(10 g) = 0.066 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.112 mW/g



Test Laboratory: SGS North America

**24 BSL850,CDMA 1XRTT, RC3, Mid ch384 836.52MHz, B3 P1**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 836.6 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.946$  mho/m;  $\epsilon_r = 54.165$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(9.13, 9.13, 9.13); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body,850, CDMA 1XRTT, RC3. Mid Ch384 836.52MHz, B3, P1/Area Scan (91x181x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.407 mW/g

**Configuration/Body,850, CDMA 1XRTT, RC3. Mid Ch384 836.52MHz, B3, P1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

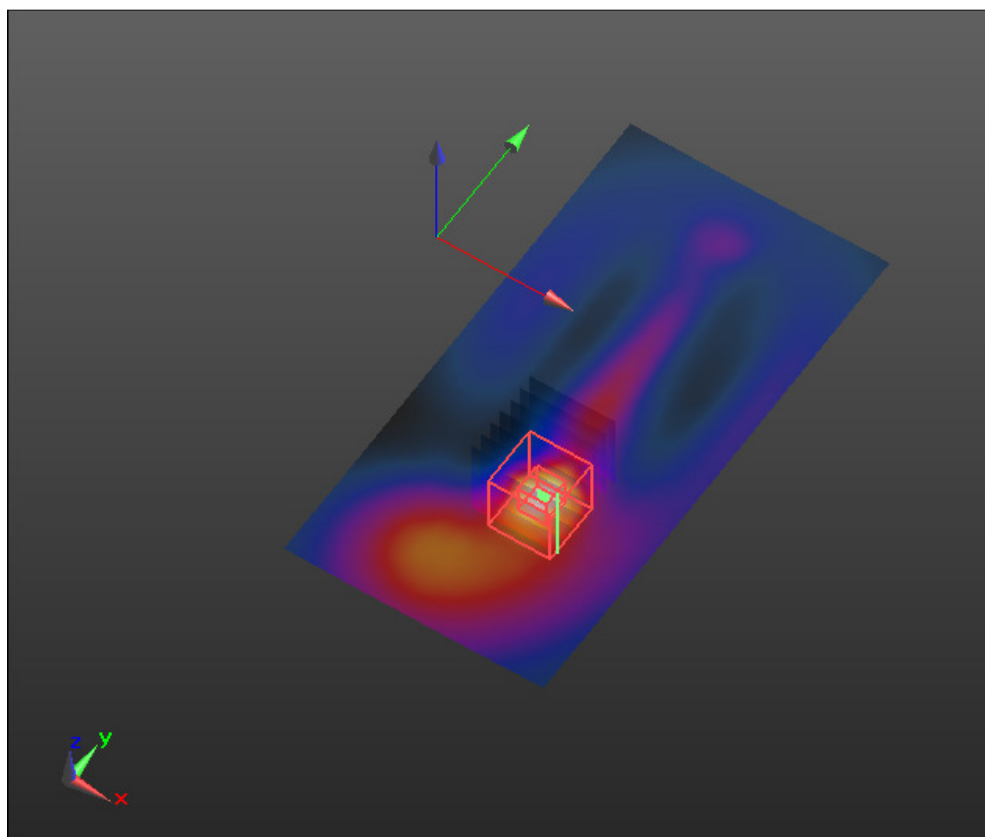
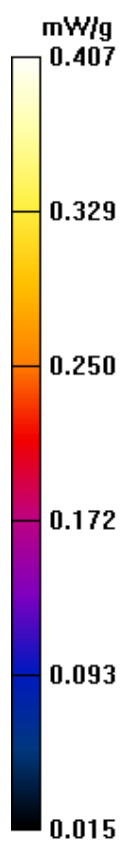
Reference Value = 15.637 V/m; Power Drift = -0.23 dB

Peak SAR (extrapolated) = 0.969 mW/g

**SAR(1 g) = 0.391 mW/g; SAR(10 g) = 0.191 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.422 mW/g



Test Laboratory: SGS North America

**25 BSL850,CDMA 1XRTT, RC3, Mid ch384 836.52MHz, B3 P2**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 836.6 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.946$  mho/m;  $\epsilon_r = 54.165$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(9.13, 9.13, 9.13); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body,850, CDMA 1XRTT, RC3. Mid Ch384 836.52MHz, B3, P2/Area Scan (91x181x1):** Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.191 mW/g

**Configuration/Body,850, CDMA 1XRTT, RC3. Mid Ch384 836.52MHz, B3, P2/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

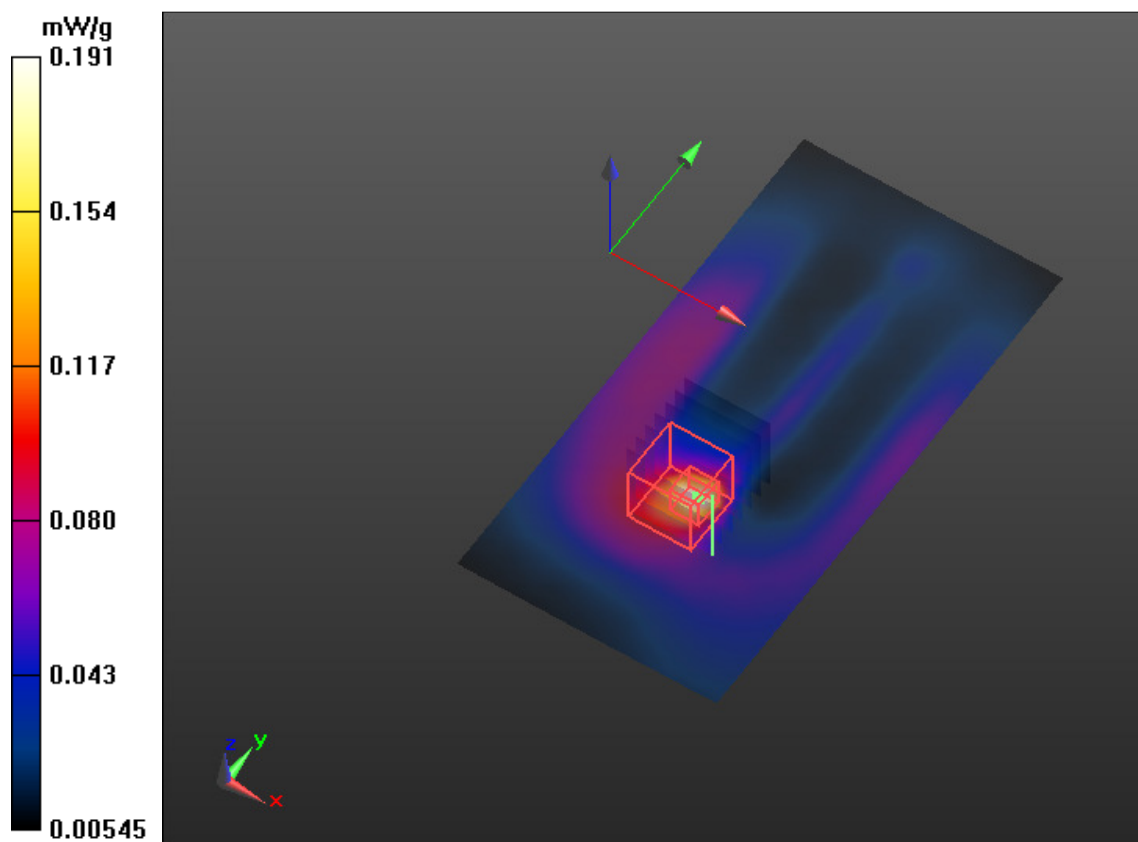
Reference Value = 4.738 V/m; Power Drift = 0.20 dB

Peak SAR (extrapolated) = 0.358 mW/g

**SAR(1 g) = 0.164 mW/g; SAR(10 g) = 0.084 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.185 mW/g



Test Laboratory: SGS North America

**26 BSL850,CDMA 1XRTT, RC3, Low ch1013 824.70MHz, B3 P1**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 824.7 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 824.7$  MHz;  $\sigma = 0.934$  mho/m;  $\epsilon_r = 54.282$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(9.13, 9.13, 9.13); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body,850, CDMA 1XRTT, RC3. Low Ch1013 824.7MHz, B3, P1/Area Scan (91x181x1):** Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.560 mW/g

**Configuration/Body,850, CDMA 1XRTT, RC3. Low Ch1013 824.7MHz, B3, P1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

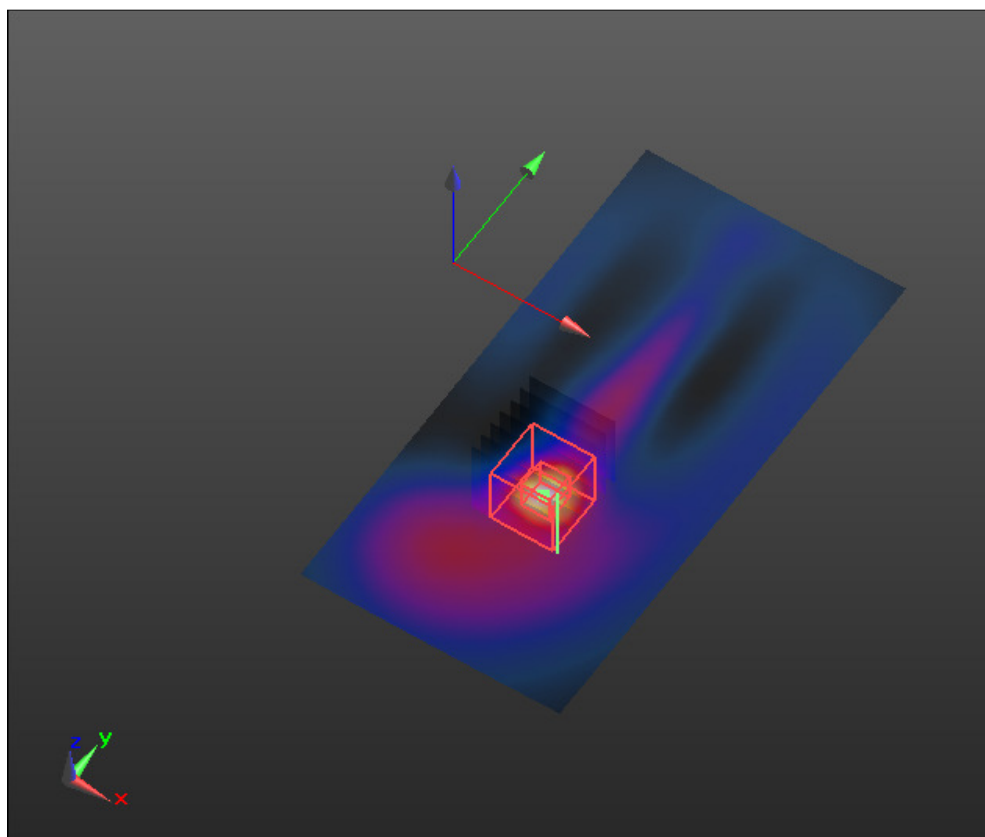
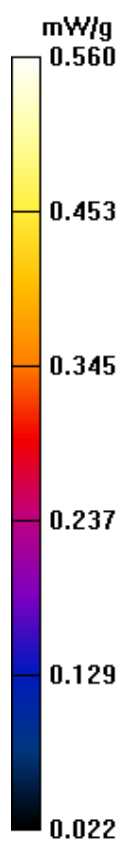
Reference Value = 14.117 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.417 mW/g

**SAR(1 g) = 0.516 mW/g; SAR(10 g) = 0.235 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.597 mW/g



Test Laboratory: SGS North America

**27 BSL850,CDMA 1XRTT, RC3, High ch777 848.31MHz, B3 P1**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 824.7 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 824.7$  MHz;  $\sigma = 0.934$  mho/m;  $\epsilon_r = 54.282$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(9.13, 9.13, 9.13); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body,850, CDMA 1XRTT, RC3. High Ch777 848.31MHz, B3, P1/Area Scan (91x181x1):** Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.338 mW/g

**Configuration/Body,850, CDMA 1XRTT, RC3. High Ch777 848.31MHz, B3, P1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

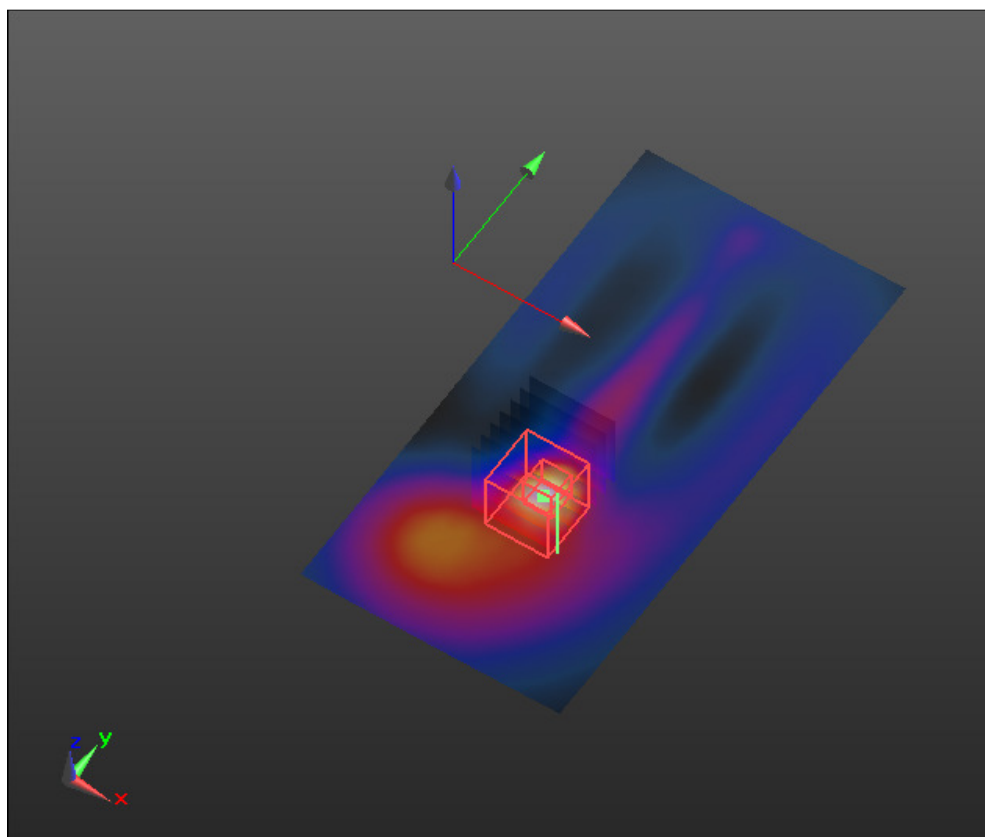
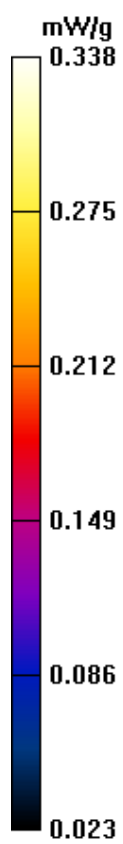
Reference Value = 12.516 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.868 mW/g

**SAR(1 g) = 0.324 mW/g; SAR(10 g) = 0.156 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.373 mW/g



Test Laboratory: SGS North America

**28 BSL850,CDMA 1XRTT, RC3, Low ch1013 824.70MHz, B3 P1 w 3900mAh batt**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);  
Frequency: 824.7 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 824.7$  MHz;  $\sigma = 0.934$  mho/m;  $\epsilon_r = 54.282$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

**DASY Configuration:**

- Probe: EX3DV4 - SN3812; ConvF(9.13, 9.13, 9.13); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body,850, CDMA 1XRTT, RC3. Low Ch1013 824.7MHz, B3, P1 w 3900mAh batt/Area Scan (91x181x1):** Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.550 mW/g

**Configuration/Body,850, CDMA 1XRTT, RC3. Low Ch1013 824.7MHz, B3, P1 w 3900mAh batt/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

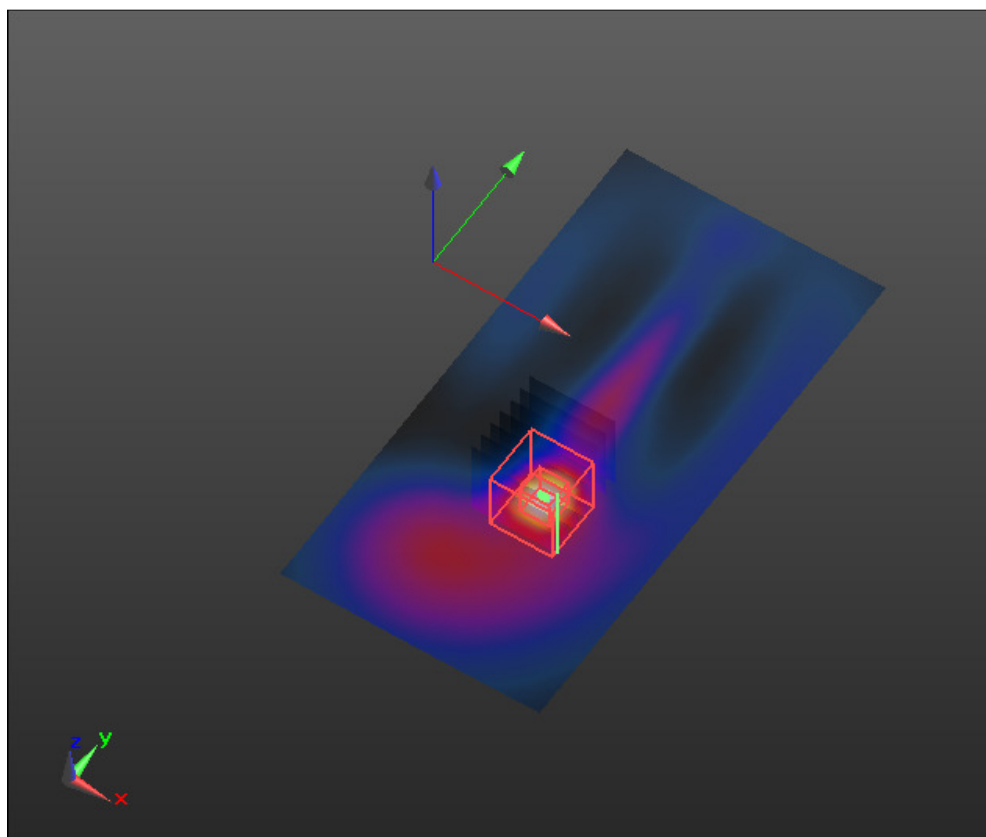
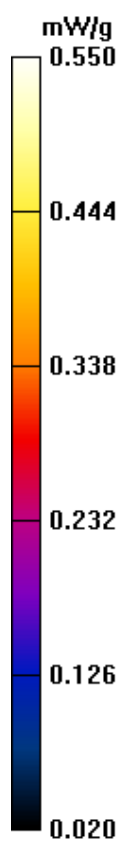
Reference Value = 14.199 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.399 mW/g

**SAR(1 g) = 0.518 mW/g; SAR(10 g) = 0.235 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.561 mW/g



Test Laboratory: SGS North America

**29 BSL,GSM1900 ,GMSK Voice, Mid ch661, 1880MHz, B1 P1**

**DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1880 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.556$  mho/m;  $\epsilon_r = 52.787$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(7.36, 7.36, 7.36); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body, 1900GSM, GSMK, Mid Ch 661, 1880MHz, B1, P1/Area**

**Scan (91x181x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.219 mW/g

**Configuration/Body, 1900GSM, GSMK, Mid Ch 661, 1880MHz, B1, P1/Zoom**

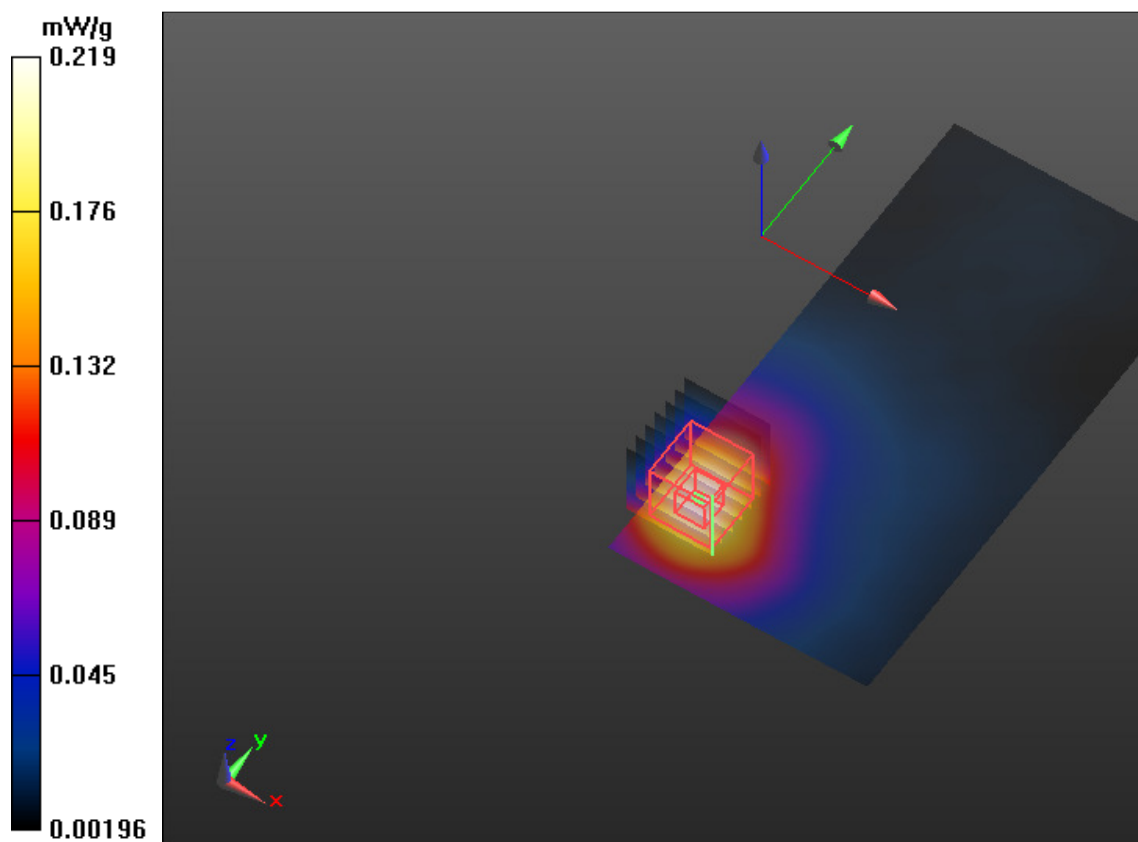
**Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 6.854 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.312 mW/g

**SAR(1 g) = 0.202 mW/g; SAR(10 g) = 0.126 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.219 mW/g



Test Laboratory: SGS North America

**30 BSL,GSM1900 ,GMSK Voice, Mid ch661, 1880MHz, B1 P2**

**DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1880 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.556$  mho/m;  $\epsilon_r = 52.787$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(7.36, 7.36, 7.36); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body, 1900GSM, GSMK, Mid Ch 661, 1880MHz, B1, P2/Area Scan (91x181x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.00960 mW/g

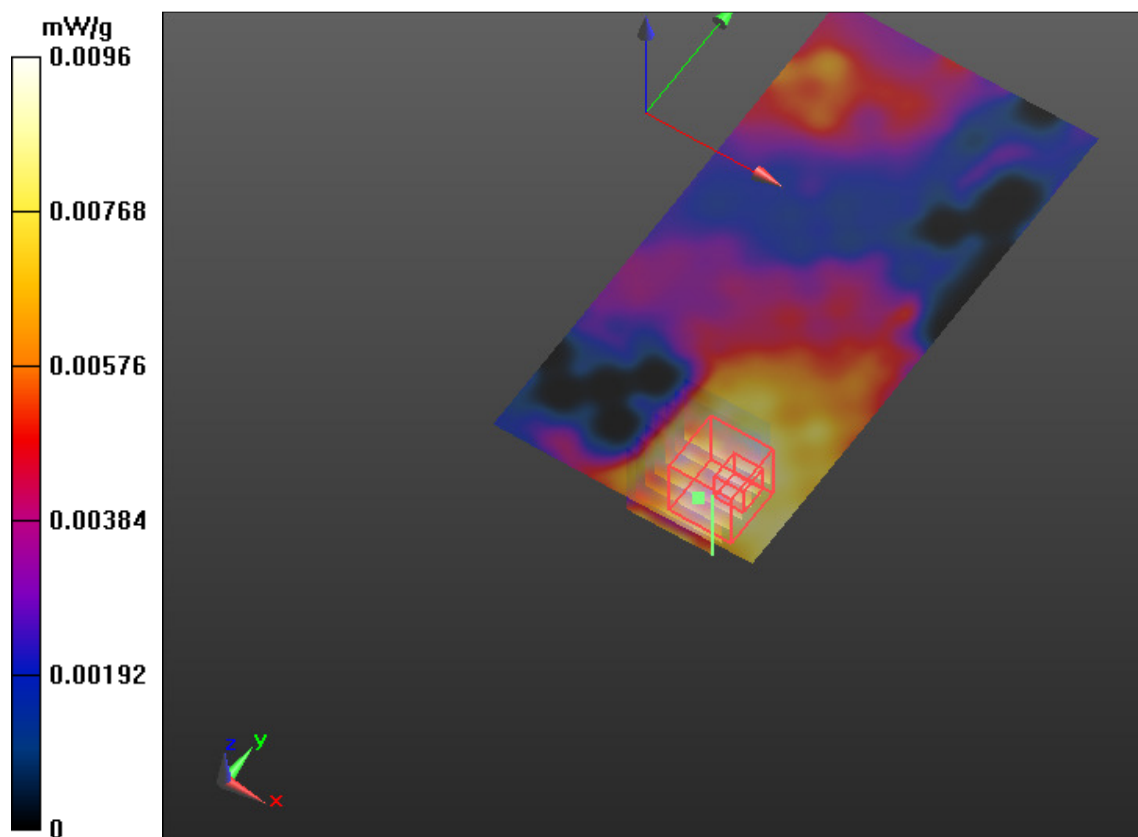
**Configuration/Body, 1900GSM, GSMK, Mid Ch 661, 1880MHz, B1, P2/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 2.057 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.015 mW/g

**SAR(1 g) = 0.0093 mW/g; SAR(10 g) = 0.00578 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.0108 mW/g



Test Laboratory: SGS North America

**31 BSL,GSM1900 ,GMSK Voice, Mid ch661, 1880MHz, B2 P1**

**DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1880 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.556$  mho/m;  $\epsilon_r = 52.787$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(7.36, 7.36, 7.36); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body, 1900GSM, GSMK, Mid Ch 661, 1880MHz, B2, P1/Area**

**Scan (41x181x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.0811 mW/g

**Configuration/Body, 1900GSM, GSMK, Mid Ch 661, 1880MHz, B2, P1/Zoom**

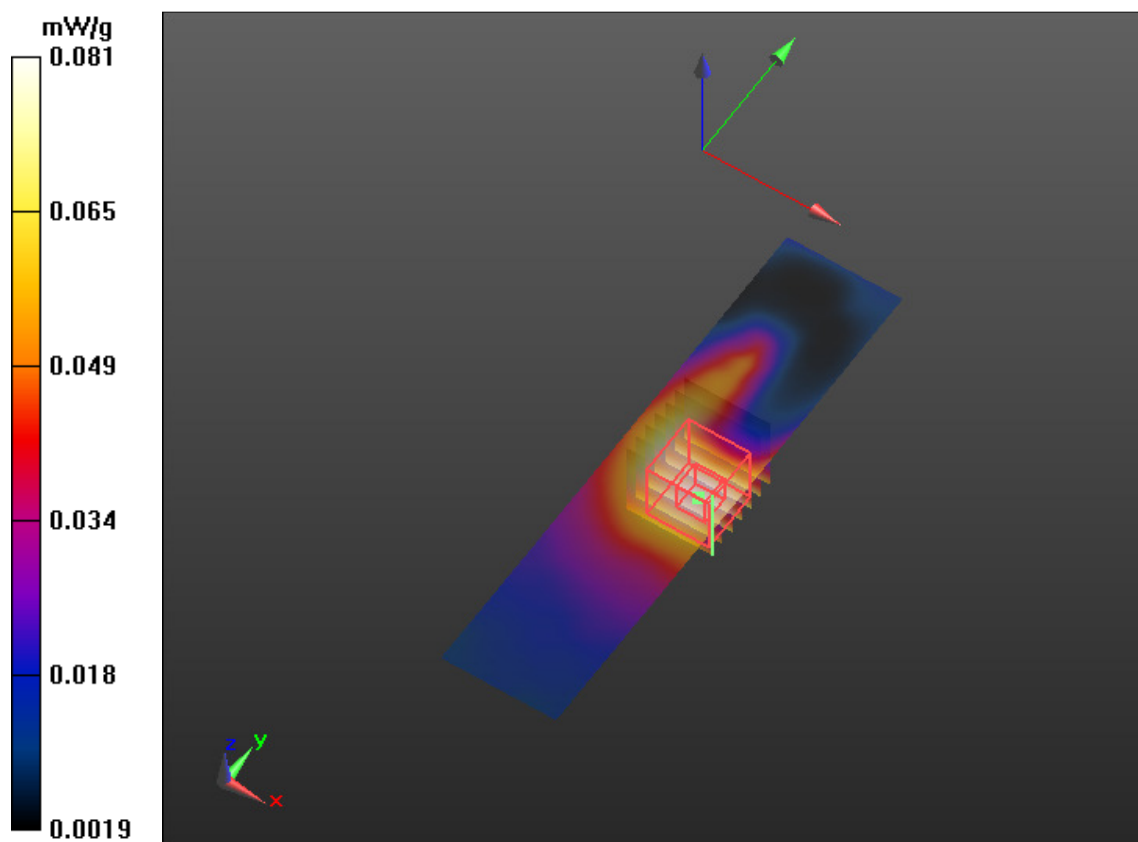
**Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 7.234 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.118 mW/g

**SAR(1 g) = 0.075 mW/g; SAR(10 g) = 0.047 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.0815 mW/g



Test Laboratory: SGS North America

### **32 BSL,GSM1900 ,GMSK Voice, Mid ch661, 1880MHz, B3 P1**

#### **DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1880 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.556$  mho/m;  $\epsilon_r = 52.787$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(7.36, 7.36, 7.36); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

#### **Configuration/Body, 1900GSM, GSMK, Mid Ch 661, 1880MHz, B3, P1/Area**

**Scan (91x181x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.611 mW/g

#### **Configuration/Body, 1900GSM, GSMK, Mid Ch 661, 1880MHz, B3, P1/Zoom**

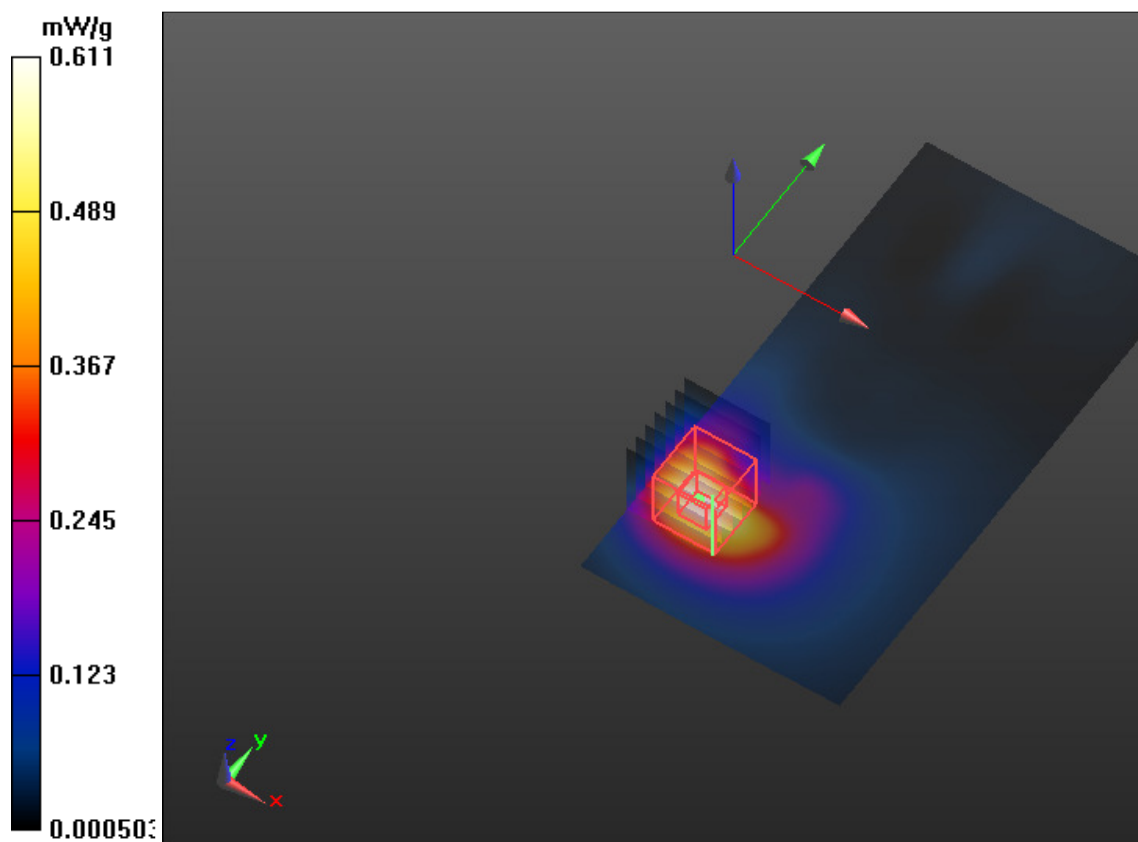
**Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 8.277 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.856 mW/g

**SAR(1 g) = 0.545 mW/g; SAR(10 g) = 0.320 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.595 mW/g



Test Laboratory: SGS North America

### **33 BSL,GSM1900 ,GMSK Voice, Mid ch661, 1880MHz, B3 P2**

#### **DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1880 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.556$  mho/m;  $\epsilon_r = 52.787$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(7.36, 7.36, 7.36); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

#### **Configuration/Body, 1900GSM, GSMK, Mid Ch 661, 1880MHz, B3, P2/Area Scan (91x181x1):**

Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.0186 mW/g

#### **Configuration/Body, 1900GSM, GSMK, Mid Ch 661, 1880MHz, B3, P2/Zoom**

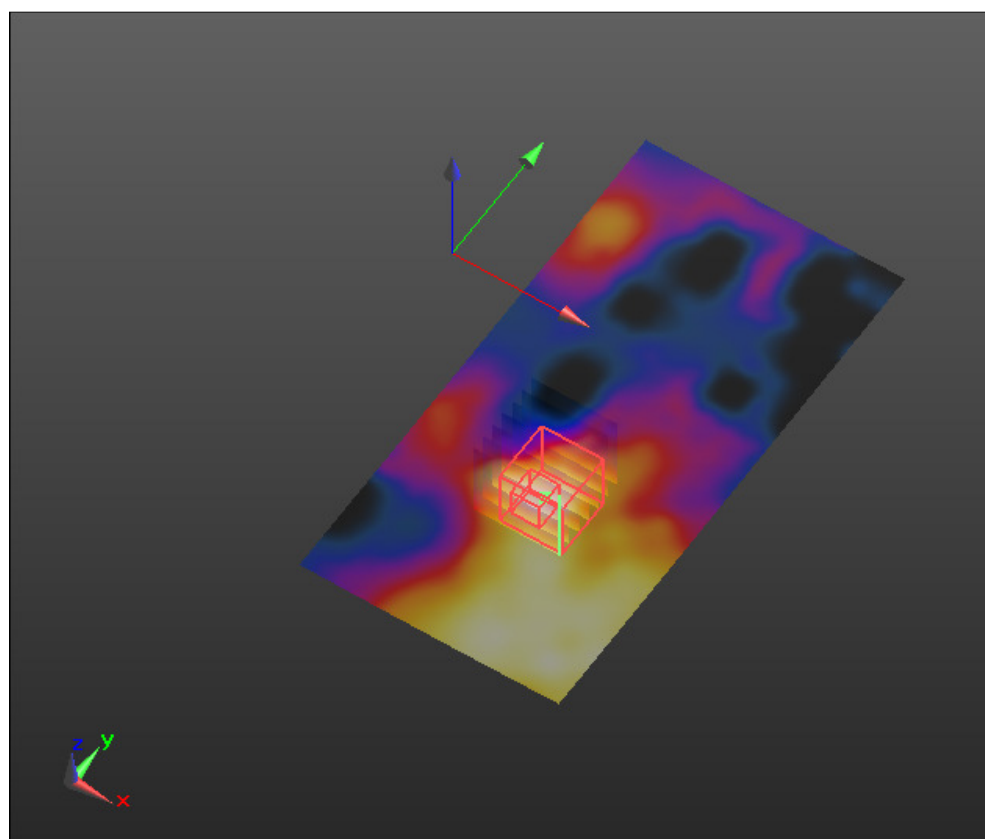
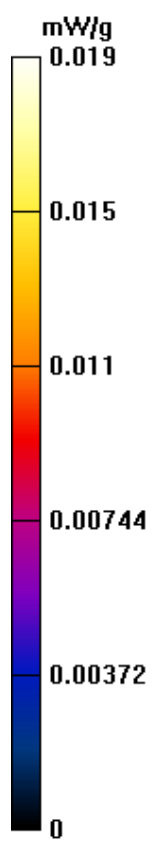
**Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 3.057 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.024 mW/g

**SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.010 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.0185 mW/g



Test Laboratory: SGS North America

**34 BSL,GSM1900 ,GMSK Voice, Low ch512, 1850.2MHz, B3 P1**

**DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1850.2 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.526$  mho/m;  $\epsilon_r = 52.87$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(7.36, 7.36, 7.36); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body, 1900GSM, GSMK, Low Ch 512, 1850.2MHz, B3, P1/Area Scan (91x181x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.568 mW/g

**Configuration/Body, 1900GSM, GSMK, Low Ch 512, 1850.2MHz, B3, P1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

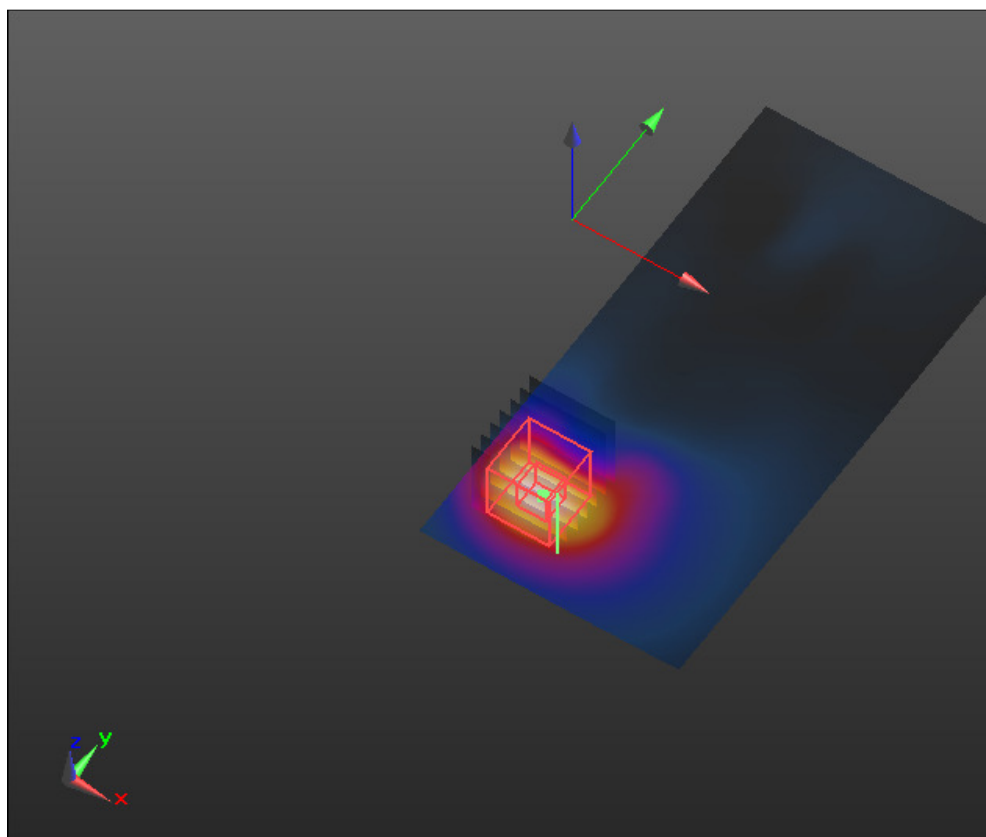
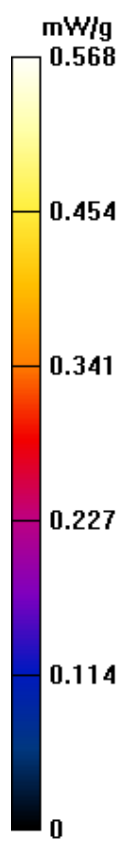
Reference Value = 10.546 V/m; Power Drift = 0.28 dB

Peak SAR (extrapolated) = 0.813 mW/g

**SAR(1 g) = 0.512 mW/g; SAR(10 g) = 0.302 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.563 mW/g



Test Laboratory: SGS North America

**35 BSL,GSM1900 ,GMSK Voice, High ch810, 1909.8MHz, B3 P1**

**DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1909.8 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.586$  mho/m;  $\epsilon_r = 52.699$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(7.36, 7.36, 7.36); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body, 1900GSM, GSMK, High Ch810, 1909.8MHz, B3, P1/Area Scan (91x181x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.520 mW/g

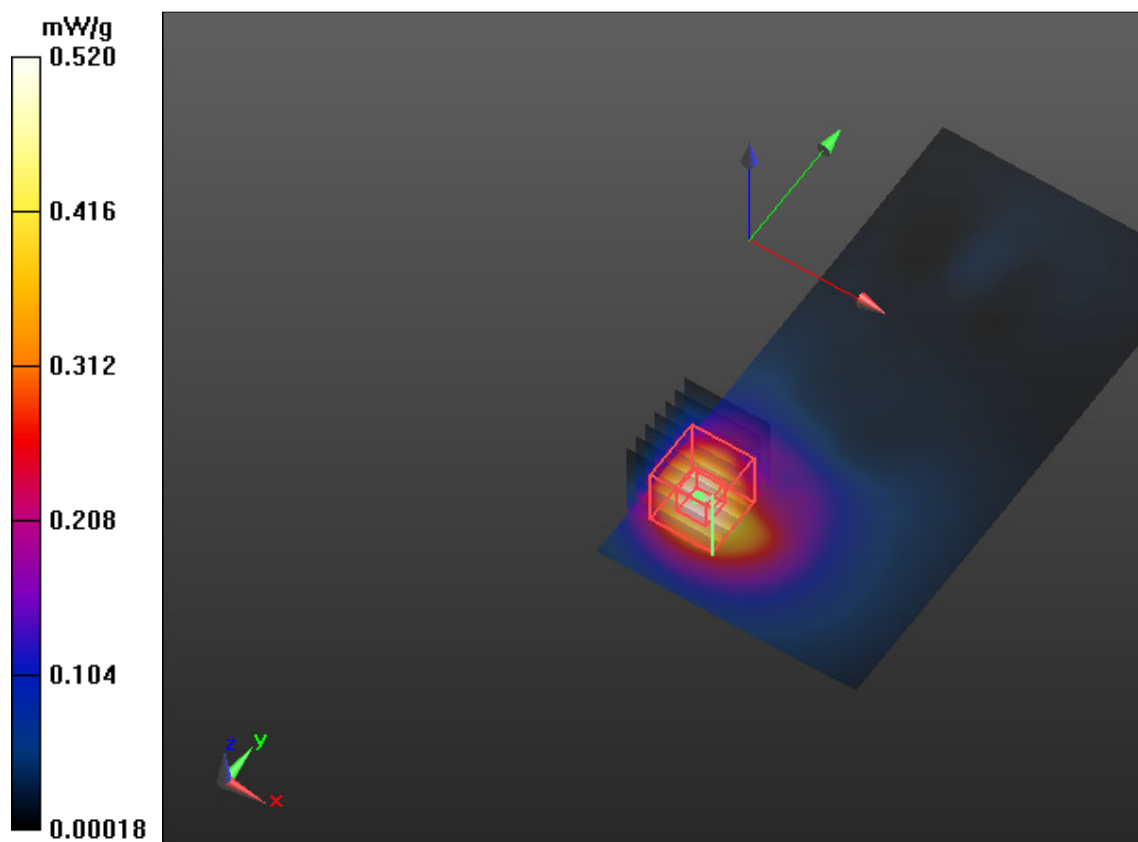
**Configuration/Body, 1900GSM, GSMK, High Ch810, 1909.8MHz, B3, P1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 8.775 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.754 mW/g

**SAR(1 g) = 0.463 mW/g; SAR(10 g) = 0.269 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.510 mW/g



Test Laboratory: SGS North America

**36 BSL,GSM1900 ,GPRS VoIP, Mid ch661, 1880MHz, B1 P1 re run**

**DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1880 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.558$  mho/m;  $\epsilon_r = 52.661$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(7.36, 7.36, 7.36); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body, 1900GSM, GPRS, VoIP, Mid Ch661, 1880MHz, B1, P1/Area Scan (91x181x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.547 mW/g

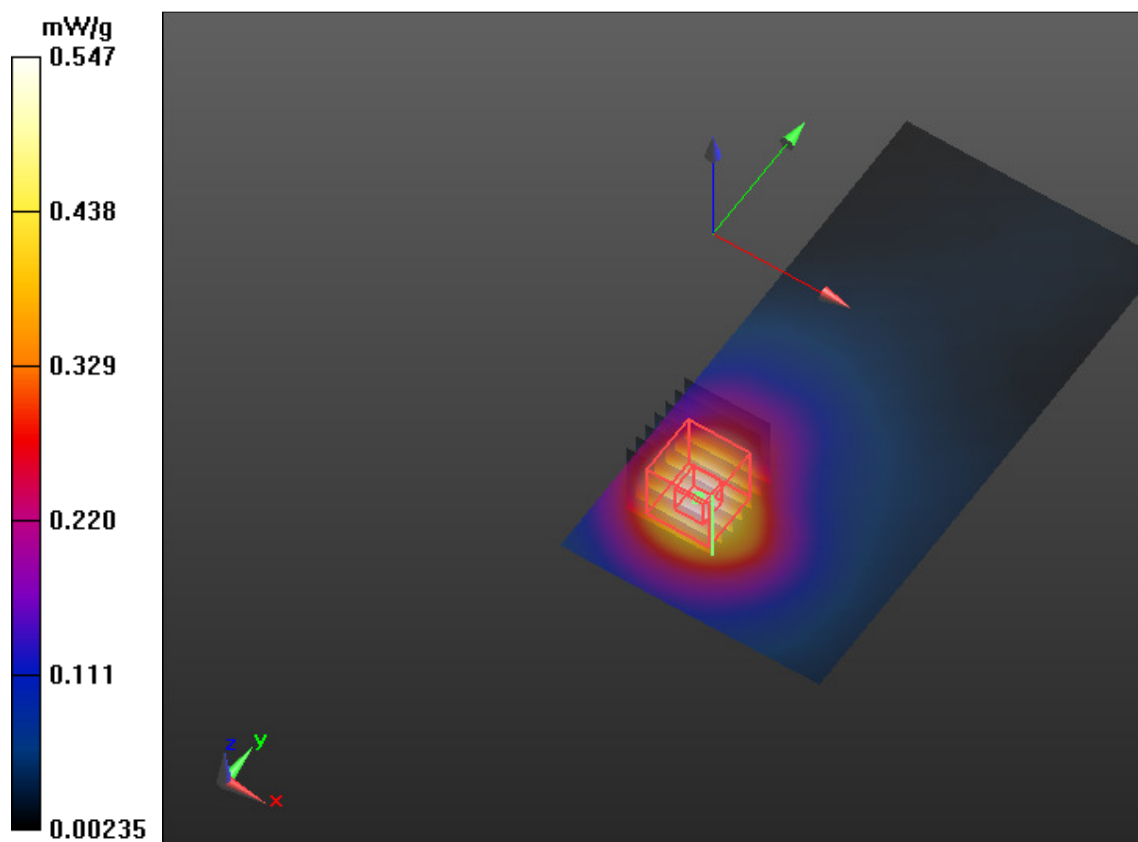
**Configuration/Body, 1900GSM, GPRS, VoIP, Mid Ch661, 1880MHz, B1, P1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 11.188 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.788 mW/g

**SAR(1 g) = 0.503 mW/g; SAR(10 g) = 0.310 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.545 mW/g



Test Laboratory: SGS North America

**37 BSL,GSM1900 ,GPRS VoIP, Mid ch661, 1880MHz, B1 P2 re run**

**DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1880 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.558$  mho/m;  $\epsilon_r = 52.661$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(7.36, 7.36, 7.36); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body, 1900GSM, GPRS, VoIP, Mid Ch661, 1880MHz, B1, P2/Area Scan (91x181x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.0217 mW/g

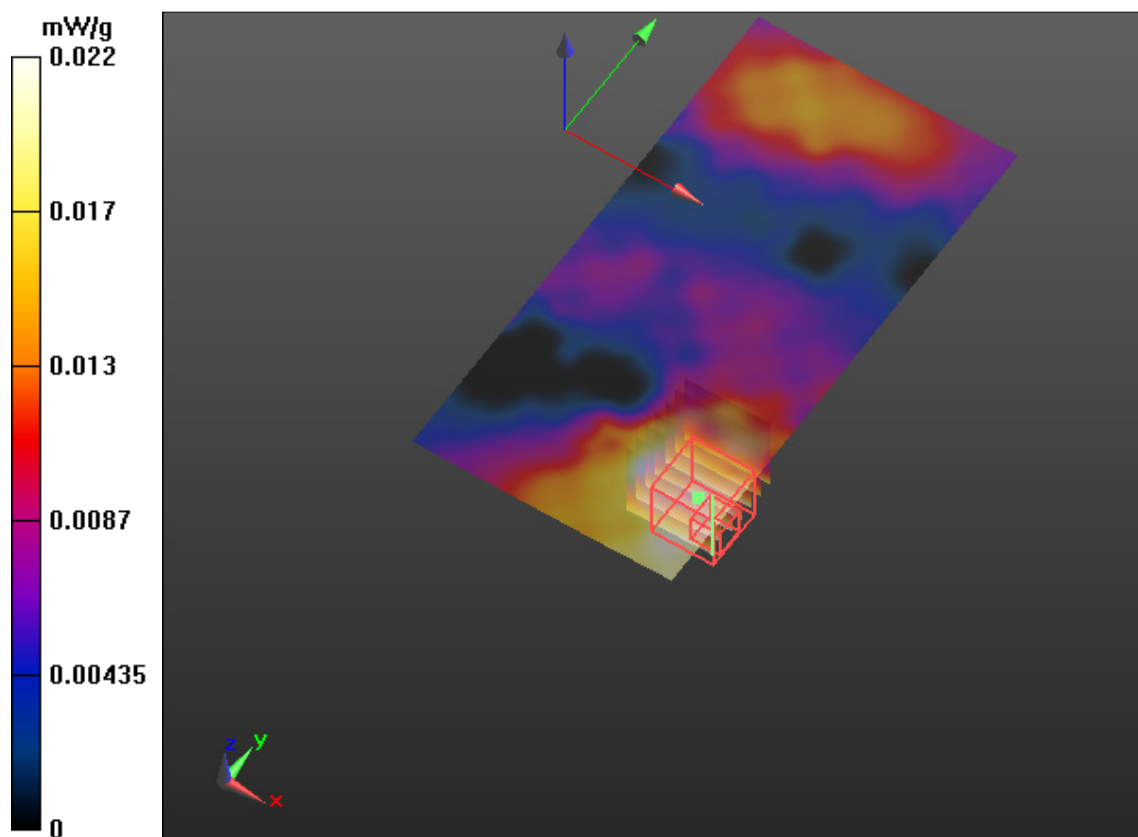
**Configuration/Body, 1900GSM, GPRS, VoIP, Mid Ch661, 1880MHz, B1, P2/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 2.886 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.033 mW/g

**SAR(1 g) = 0.021 mW/g; SAR(10 g) = 0.014 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.0229 mW/g



Test Laboratory: SGS North America

**38 BSL,GSM1900 ,GPRS VoIP, Mid ch661, 1880MHz, B2 P1 re run**

**DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1880 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.558$  mho/m;  $\epsilon_r = 52.661$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(7.36, 7.36, 7.36); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body, 1900GSM, GPRS, VoIP, Mid Ch661, 1880MHz, B2, P1/Area Scan (41x181x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.279 mW/g

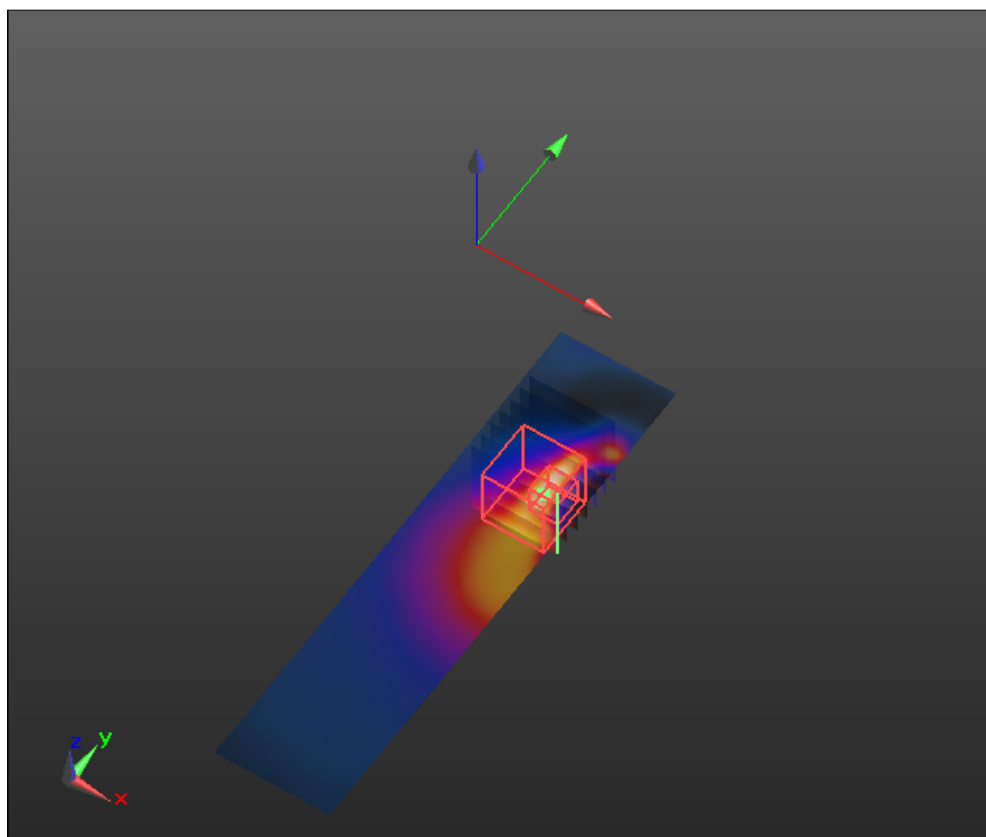
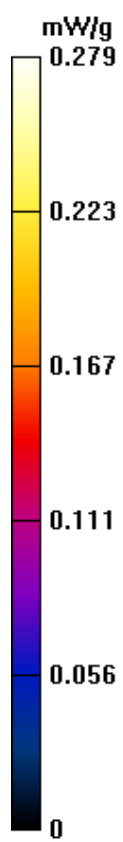
**Configuration/Body, 1900GSM, GPRS, VoIP, Mid Ch661, 1880MHz, B2, P1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 10.000 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.292 mW/g

**SAR(1 g) = 0.178 mW/g; SAR(10 g) = 0.098 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.196 mW/g



Test Laboratory: SGS North America

**39 BSL,GSM1900 ,GPRS VoIP, Mid ch661, 1880MHz, B3 P1 re run**

**DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1880 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.558$  mho/m;  $\epsilon_r = 52.661$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(7.36, 7.36, 7.36); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body, 1900GSM, GPRS, VoIP, Mid Ch661, 1880MHz, B3, P1/Area Scan (91x181x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 1.15 mW/g

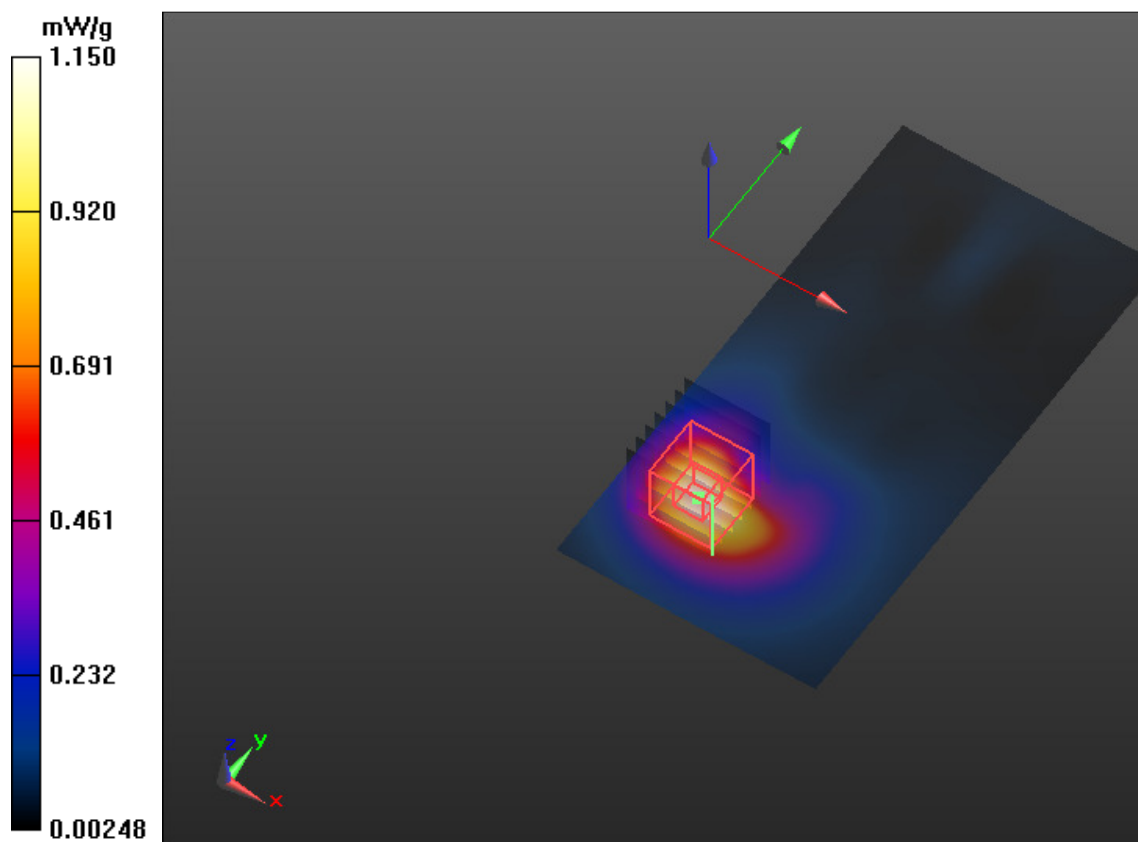
**Configuration/Body, 1900GSM, GPRS, VoIP, Mid Ch661, 1880MHz, B3, P1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 12.760 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.708 mW/g

**SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.605 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.13 mW/g



Test Laboratory: SGS North America

**40 BSL,GSM1900 ,GPRS VoIP, Mid ch661, 1880MHz, B3 P2 re run**

**DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1880 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.558$  mho/m;  $\epsilon_r = 52.661$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(7.36, 7.36, 7.36); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body, 1900GSM, GPRS, VoIP, Mid Ch661, 1880MHz, B3, P2/Area Scan (91x181x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.0405 mW/g

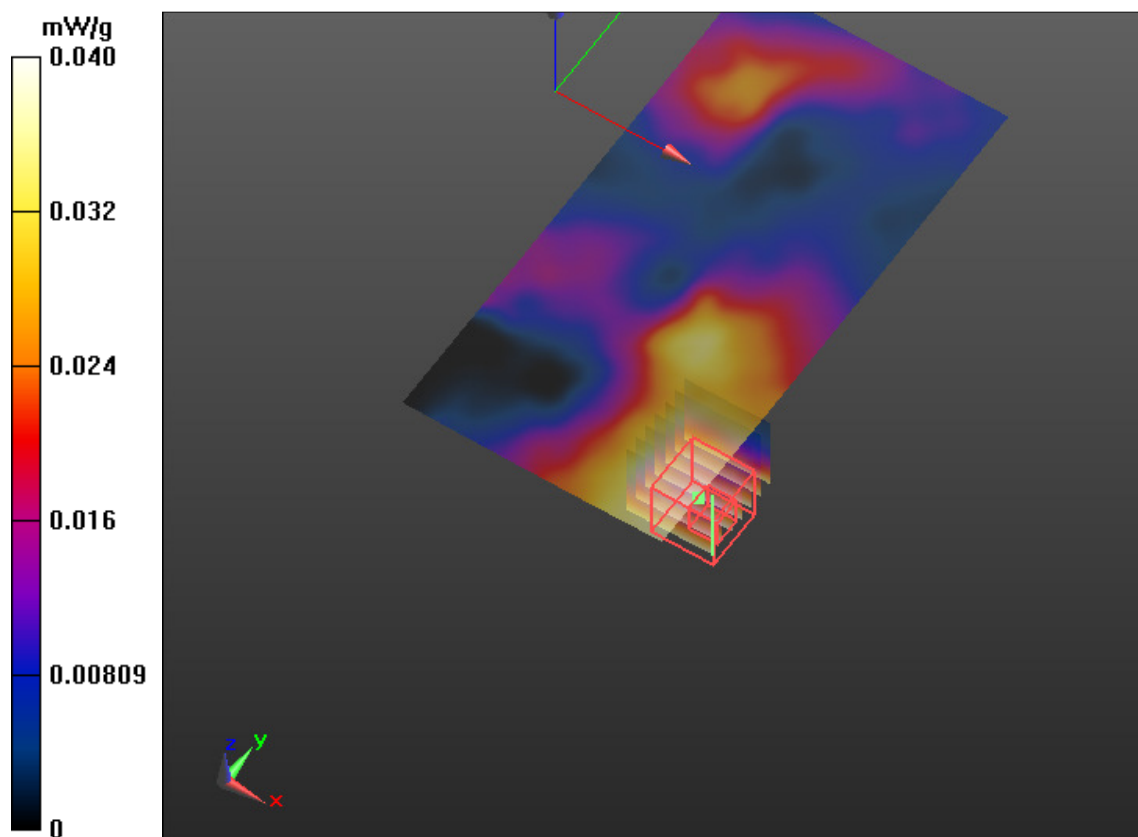
**Configuration/Body, 1900GSM, GPRS, VoIP, Mid Ch661, 1880MHz, B3, P2/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 3.215 V/m; Power Drift = 0.23 dB

Peak SAR (extrapolated) = 0.060 mW/g

**SAR(1 g) = 0.039 mW/g; SAR(10 g) = 0.026 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.0415 mW/g



Test Laboratory: SGS North America

**41 BSL,GSM1900 ,GPRS VoIP, Low ch512, 1850.2MHz, B3 P1 re run**

**DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1850.2 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.528$  mho/m;  $\epsilon_r = 52.756$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(7.36, 7.36, 7.36); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body, 1900GSM, GPRS, VoIP, Low Ch512, 1850.2MHz, B3, P1/Area Scan (91x181x1):** Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 1.24 mW/g

**Configuration/Body, 1900GSM, GPRS, VoIP, Low Ch512, 1850.2MHz, B3, P1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

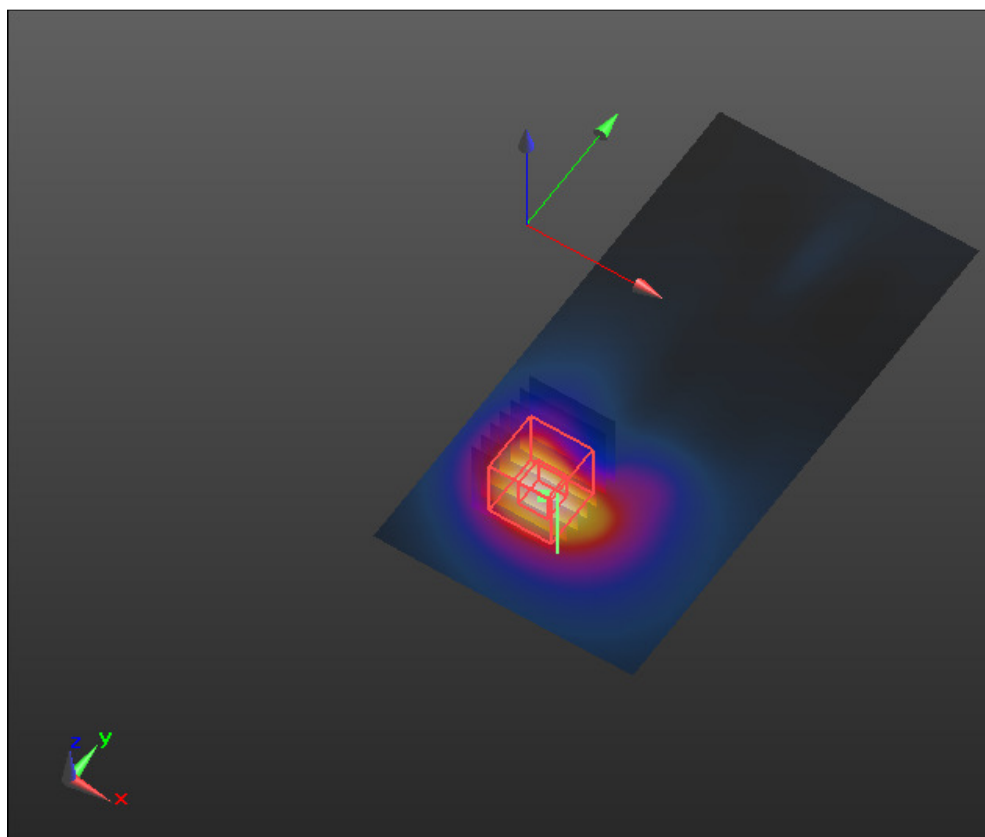
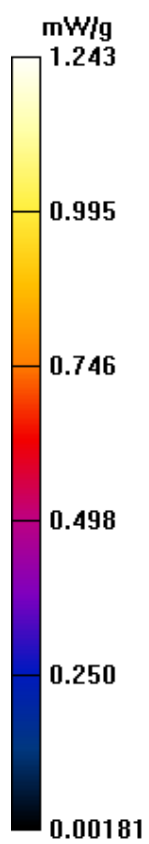
Reference Value = 13.149 V/m; Power Drift = -0.23 dB

Peak SAR (extrapolated) = 1.777 mW/g

**SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.645 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.22 mW/g



Test Laboratory: SGS North America

**42 BSL,GSM1900 ,GPRS VoIP, High ch810, 1909.8MHz, B3 P1 re run**

**DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1909.8 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.587$  mho/m;  $\epsilon_r = 52.574$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(7.36, 7.36, 7.36); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body, 1900GSM, GPRS, VoIP, High Ch810, 1909.8MHz, B3, P1/Area Scan (91x181x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 1.15 mW/g

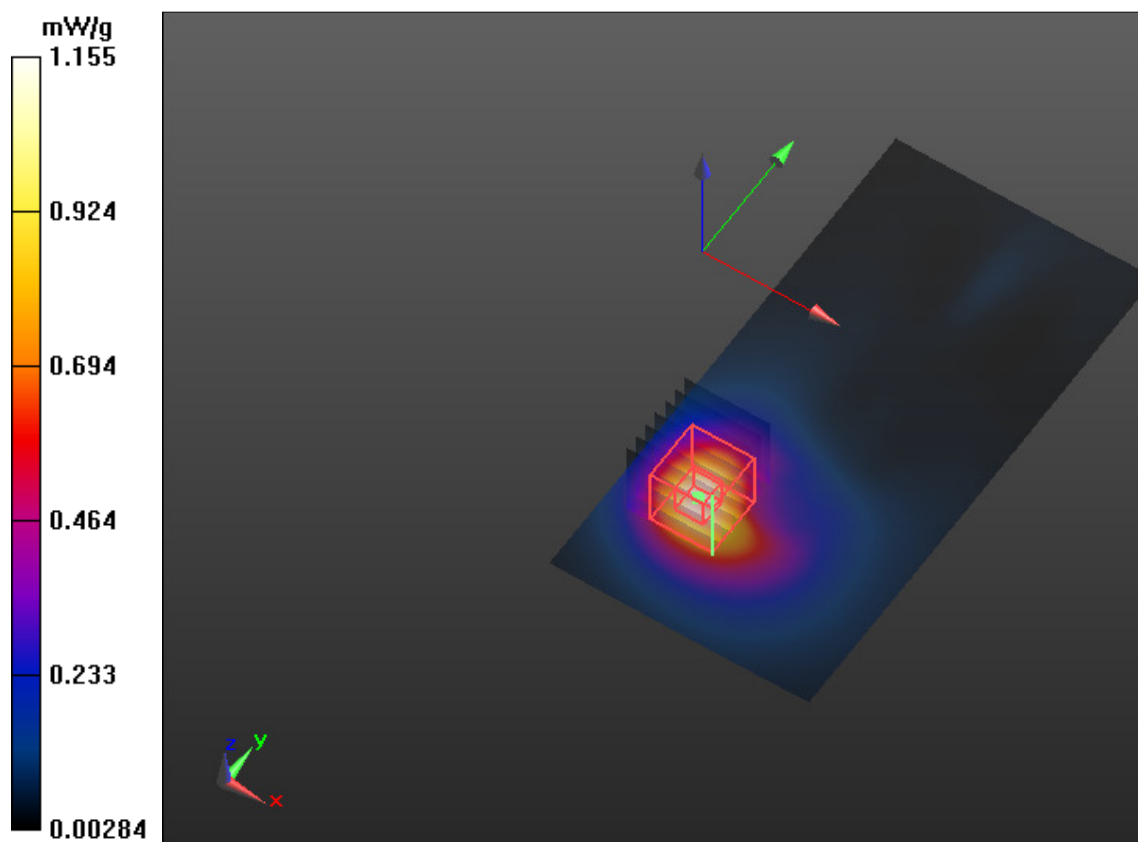
**Configuration/Body, 1900GSM, GPRS, VoIP, High Ch810, 1909.8MHz, B3, P1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 10.875 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.704 mW/g

**SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.585 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.14 mW/g



Test Laboratory: SGS North America

**43 BSL1900,WCDMA Band II, UMTS, RMC 12.2k, Mid ch9400 1880MHz, B1 P1**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 1880 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.556$  mho/m;  $\epsilon_r = 52.923$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(7.36, 7.36, 7.36); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body,1900, WCDMA Band II, UMTS, RMC 12.2k, Mid Ch9400 1880MHz, B1, P1/Area Scan (91x181x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.639 mW/g

**Configuration/Body,1900, WCDMA Band II, UMTS, RMC 12.2k, Mid Ch9400 1880MHz, B1, P1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:

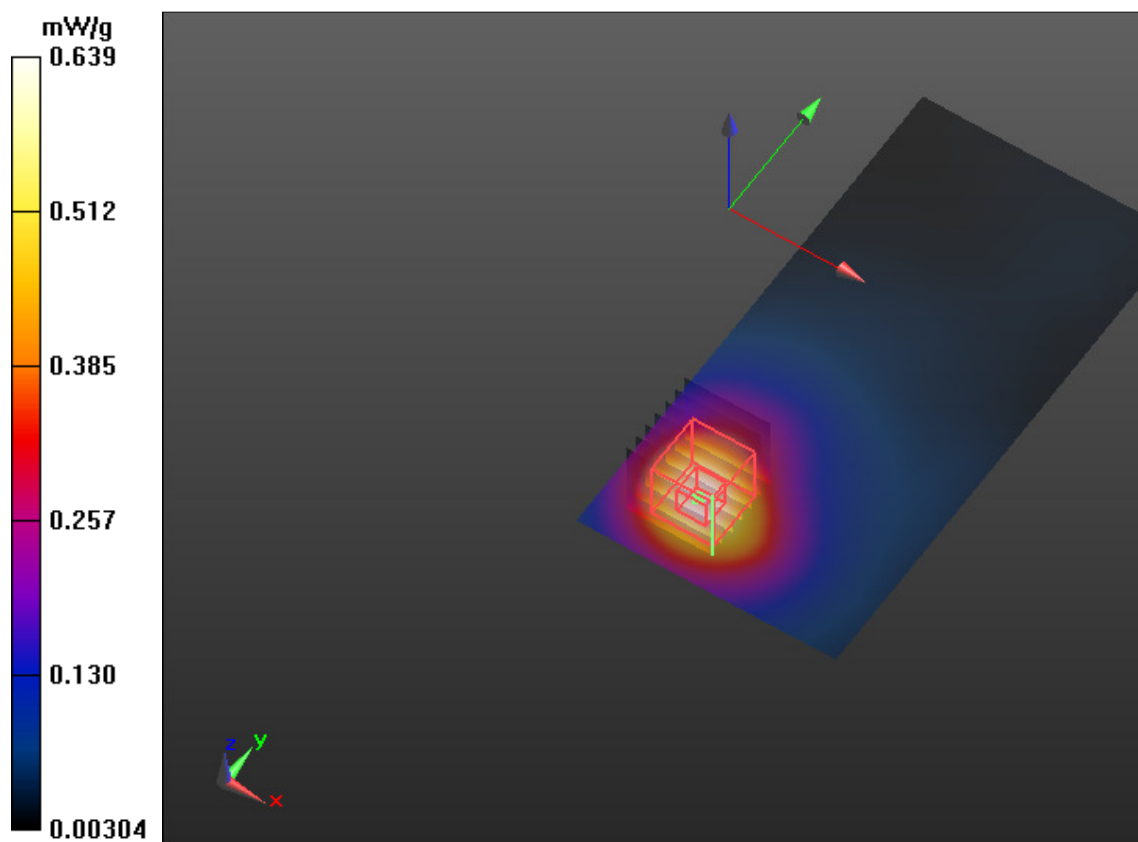
$dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 14.947 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.918 mW/g

**SAR(1 g) = 0.587 mW/g; SAR(10 g) = 0.364 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.635 mW/g



Test Laboratory: SGS North America

**44 BSL1900,WCDMA Band II, UMTS, RMC 12.2k, Mid ch9400 1880MHz, B1 P2**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 1880 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.556$  mho/m;  $\epsilon_r = 52.923$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(7.36, 7.36, 7.36); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body,1900, WCDMA Band II, UMTS, RMC 12.2k, Mid Ch9400 1880MHz, B1, P2/Area Scan (91x181x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.0212 mW/g

**Configuration/Body,1900, WCDMA Band II, UMTS, RMC 12.2k, Mid Ch9400 1880MHz, B1, P2/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:

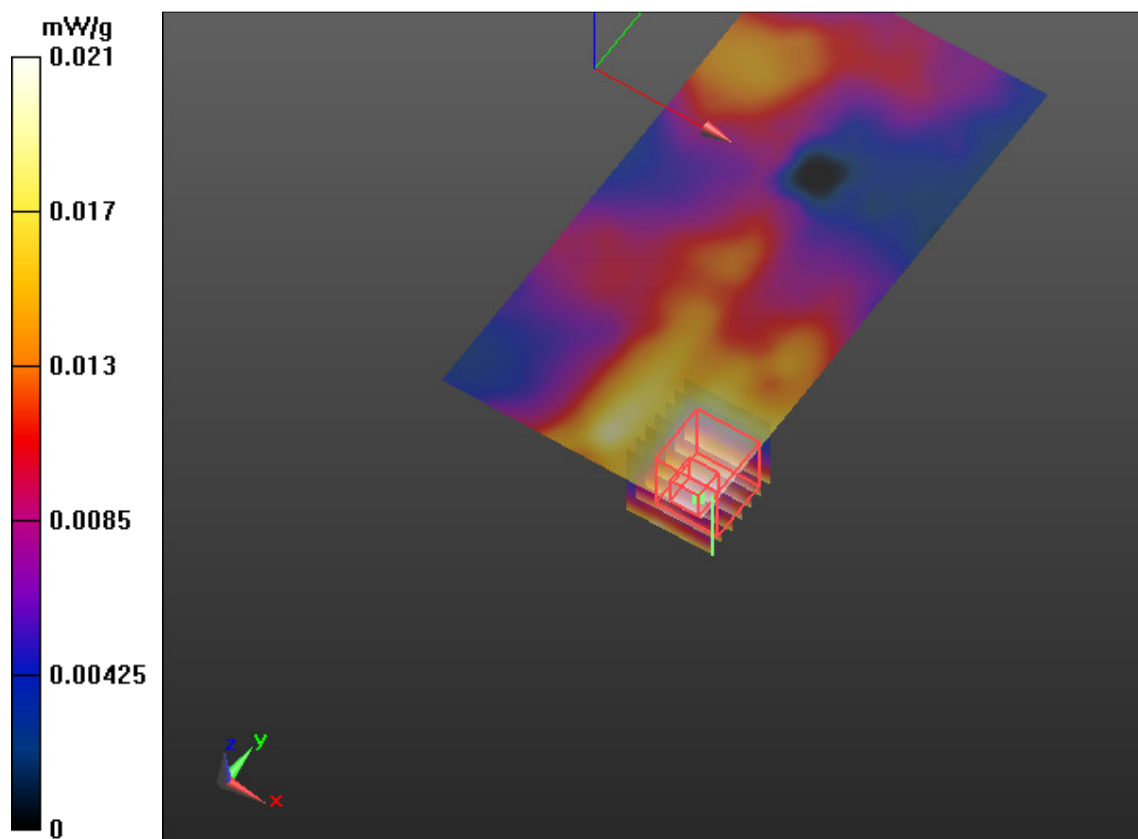
$dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 2.566 V/m; Power Drift = -1.04 dB

Peak SAR (extrapolated) = 0.034 mW/g

**SAR(1 g) = 0.020 mW/g; SAR(10 g) = 0.013 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.0224 mW/g



Test Laboratory: SGS North America

**45 BSL1900,WCDMA Band II, UMTS, RMC 12.2k, Mid ch9400 1880MHz, B2 P1**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 1880 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.556$  mho/m;  $\epsilon_r = 52.923$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(7.36, 7.36, 7.36); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body,1900, WCDMA Band II, UMTS, RMC 12.2k, Mid Ch9400 1880MHz, B2, P1/Area Scan (41x181x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.160 mW/g

**Configuration/Body,1900, WCDMA Band II, UMTS, RMC 12.2k, Mid Ch9400 1880MHz, B2, P1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:

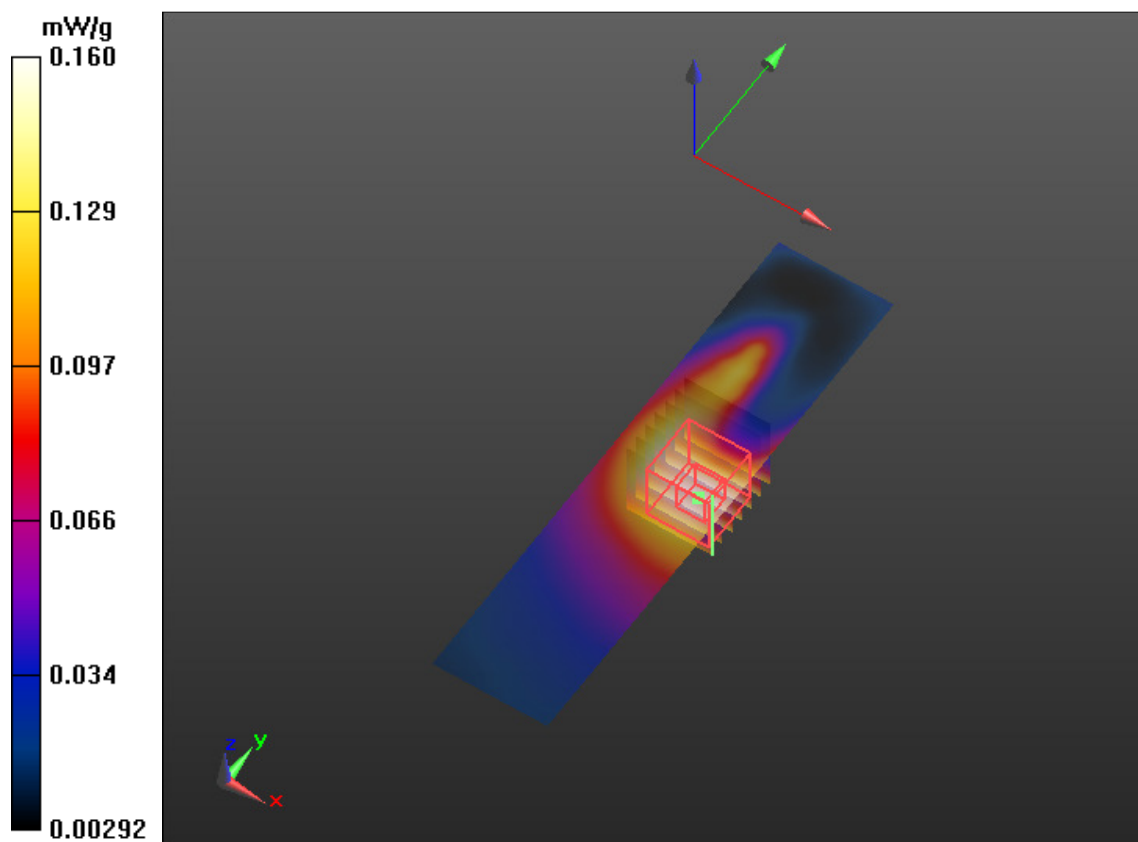
$dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 10.144 V/m; Power Drift = -0.21 dB

Peak SAR (extrapolated) = 0.238 mW/g

**SAR(1 g) = 0.150 mW/g; SAR(10 g) = 0.094 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.162 mW/g



Test Laboratory: SGS North America

**46 BSL1900,WCDMA Band II, UMTS, RMC 12.2k, Mid ch9400 1880MHz, B3 P1**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 1880 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.556$  mho/m;  $\epsilon_r = 52.923$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(7.36, 7.36, 7.36); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body,1900, WCDMA Band II, UMTS, RMC 12.2k, Mid Ch9400 1880MHz, B3, P1/Area Scan (91x181x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 1.07 mW/g

**Configuration/Body,1900, WCDMA Band II, UMTS, RMC 12.2k, Mid Ch9400 1880MHz, B3, P1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:

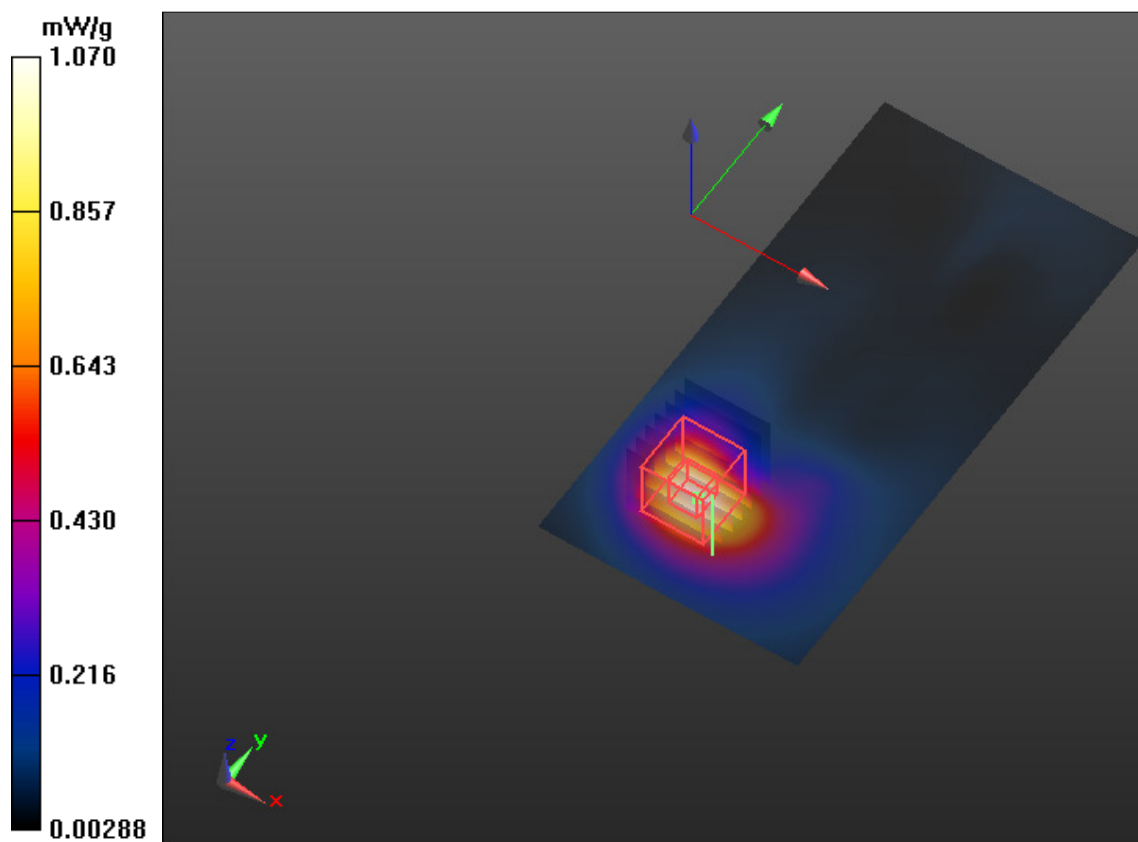
$dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 14.537 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.583 mW/g

**SAR(1 g) = 0.992 mW/g; SAR(10 g) = 0.584 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.08 mW/g



Test Laboratory: SGS North America

**47 BSL1900, WCDMA Band II, UMTS, RMC 12.2k, Mid ch9400 1880MHz, B3 P2**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 1880 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.556$  mho/m;  $\epsilon_r = 52.923$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

**DASY Configuration:**

- Probe: EX3DV4 - SN3812; ConvF(7.36, 7.36, 7.36); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body, 1900, WCDMA Band II, UMTS, RMC 12.2k, Mid Ch9400 1880MHz, B3, P2/Area Scan (91x181x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.0373 mW/g

**Configuration/Body, 1900, WCDMA Band II, UMTS, RMC 12.2k, Mid Ch9400 1880MHz, B3, P2/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:

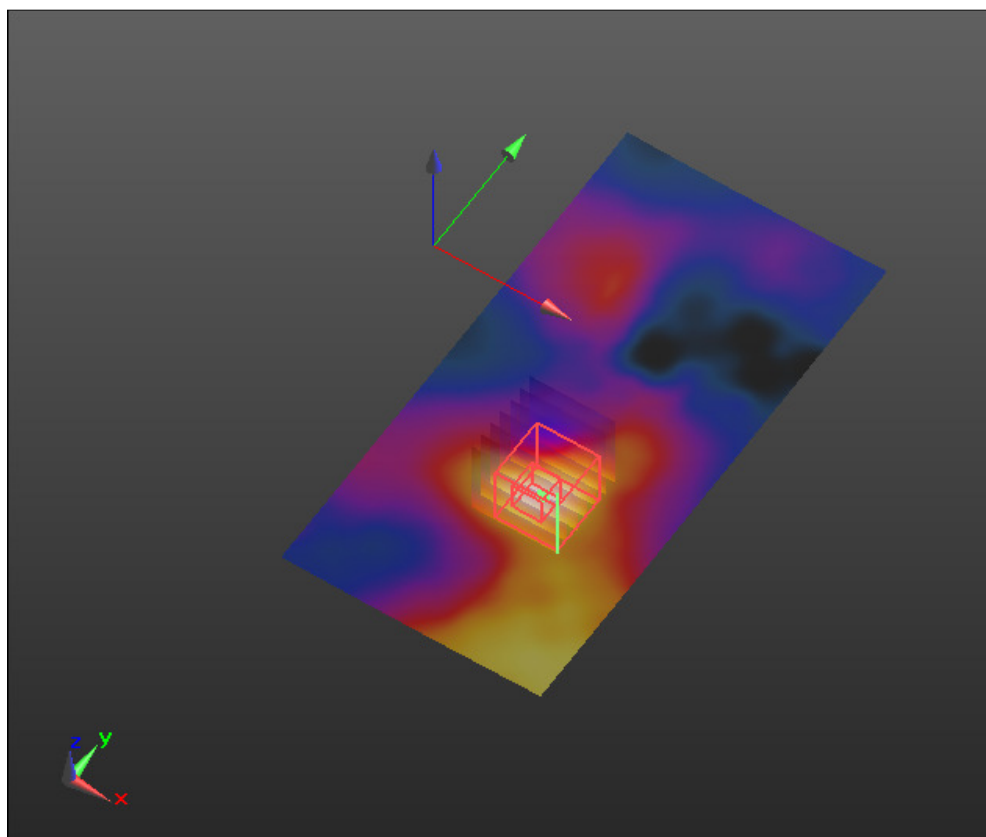
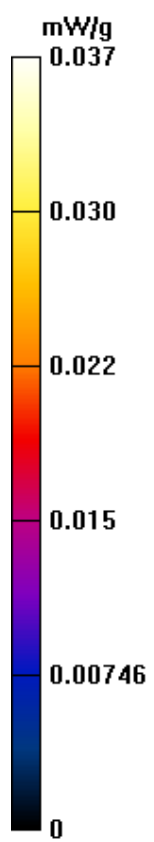
$dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 3.356 V/m; Power Drift = -0.22 dB

Peak SAR (extrapolated) = 0.054 mW/g

**SAR(1 g) = 0.033 mW/g; SAR(10 g) = 0.020 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.0368 mW/g



Test Laboratory: SGS North America

**48 BSL1900,WCDMA Band II, UMTS, RMC 12.2k, Low ch9262  
1852.4MHz, B3 P1**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);  
Frequency: 1852.4 MHz; Communication System PAR: 0 dB; PMF: 1  
Medium parameters used (interpolated):  $f = 1852.4$  MHz;  $\sigma = 1.529$  mho/m;  $\epsilon_r = 53.001$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(7.36, 7.36, 7.36); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body,1900, WCDMA Band II, UMTS, RMC 12.2k, Low  
Ch9262 1852.4MHz, B3, P1/Area Scan (91x181x1):** Measurement grid:  $dx=10$ mm,  
 $dy=10$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 1.11 mW/g

**Configuration/Body,1900, WCDMA Band II, UMTS, RMC 12.2k, Low  
Ch9262 1852.4MHz, B3, P1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:

$dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

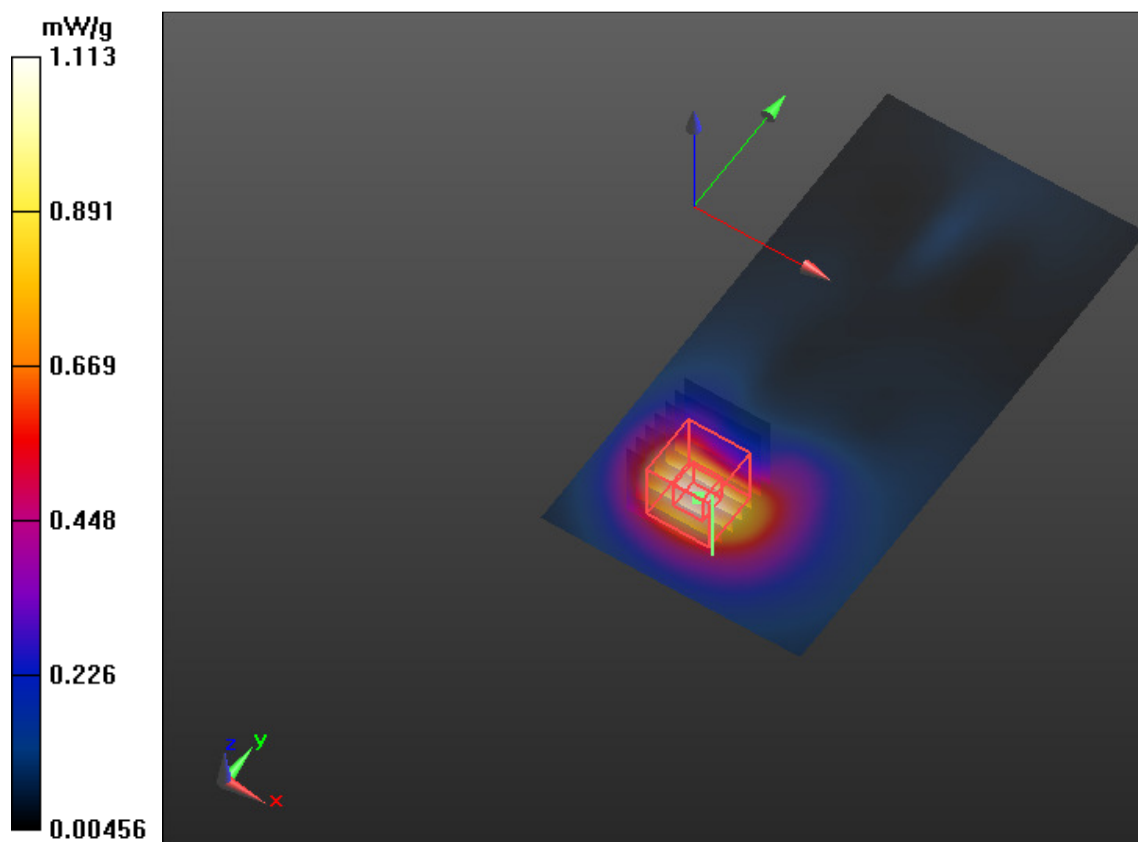
Reference Value = 16.083 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.585 mW/g

**SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.597 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.10 mW/g



Test Laboratory: SGS North America

**49 BSL1900,WCDMA Band II, UMTS, RMC 12.2k, High ch9538  
1907.6MHz, B3 P1**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 1907.6 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.585$  mho/m;  $\epsilon_r = 52.847$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(7.36, 7.36, 7.36); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body,1900, WCDMA Band II, UMTS, RMC 12.2k, High  
Ch9538 1907.6MHz, B3, P1/Area Scan (91x181x1):** Measurement grid:  $dx=10$ mm,  
 $dy=10$ mm

Maximum value of SAR (interpolated) = 1.42 mW/g

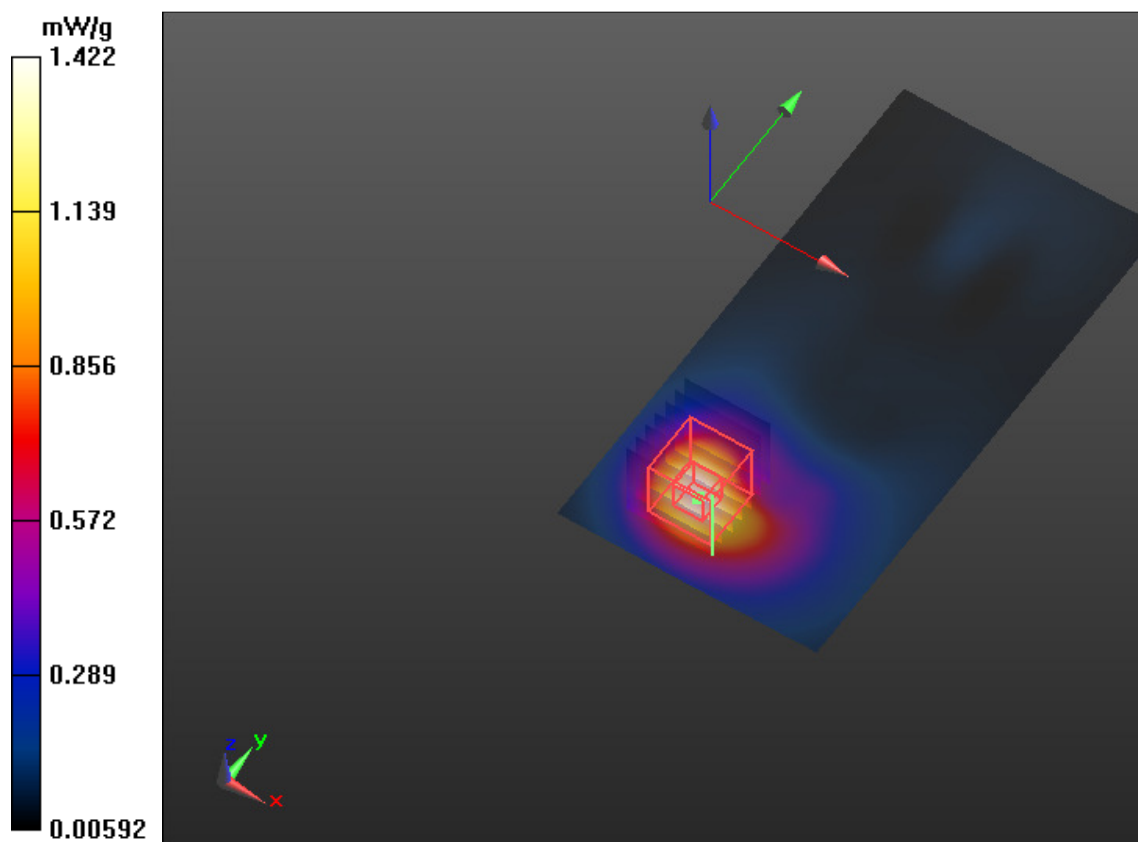
**Configuration/Body,1900, WCDMA Band II, UMTS, RMC 12.2k, High  
Ch9538 1907.6MHz, B3, P1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  
 $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 20.594 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 2.036 mW/g

**SAR(1 g) = 1.26 mW/g; SAR(10 g) = 0.737 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.38 mW/g



Test Laboratory: SGS North America

**50 BSL1900,CDMA 1XRTT, RC3, Mid ch600 1880MHz, B1 P1**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 1880 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.558$  mho/m;  $\epsilon_r = 53.092$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(7.36, 7.36, 7.36); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body,1900, CDMA 1XRTT, RC3, Mid Ch600 1880MHz, B1, P1/Area Scan (91x181x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.632 mW/g

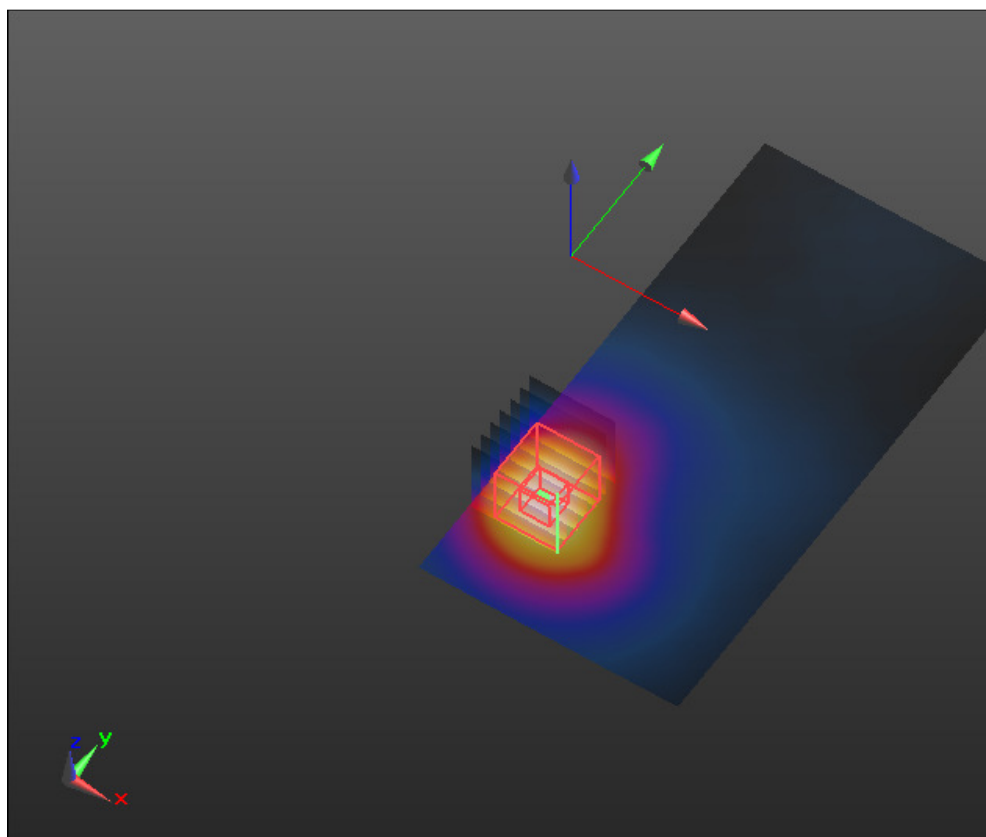
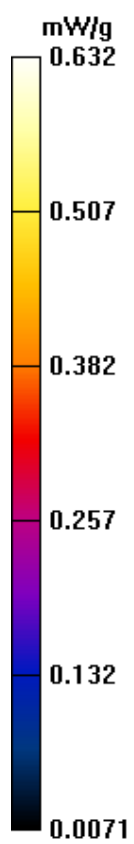
**Configuration/Body,1900, CDMA 1XRTT, RC3, Mid Ch600 1880MHz, B1, P1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 10.632 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.904 mW/g

**SAR(1 g) = 0.587 mW/g; SAR(10 g) = 0.367 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.634 mW/g



Test Laboratory: SGS North America

**51 BSL1900,CDMA 1XRTT, RC3, Mid ch600 1880MHz, B1 P2**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 1880 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.558$  mho/m;  $\epsilon_r = 53.092$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(7.36, 7.36, 7.36); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body,1900, CDMA 1XRTT, RC3, Mid Ch600 1880MHz, B1, P2/Area Scan (91x181x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.0143 mW/g

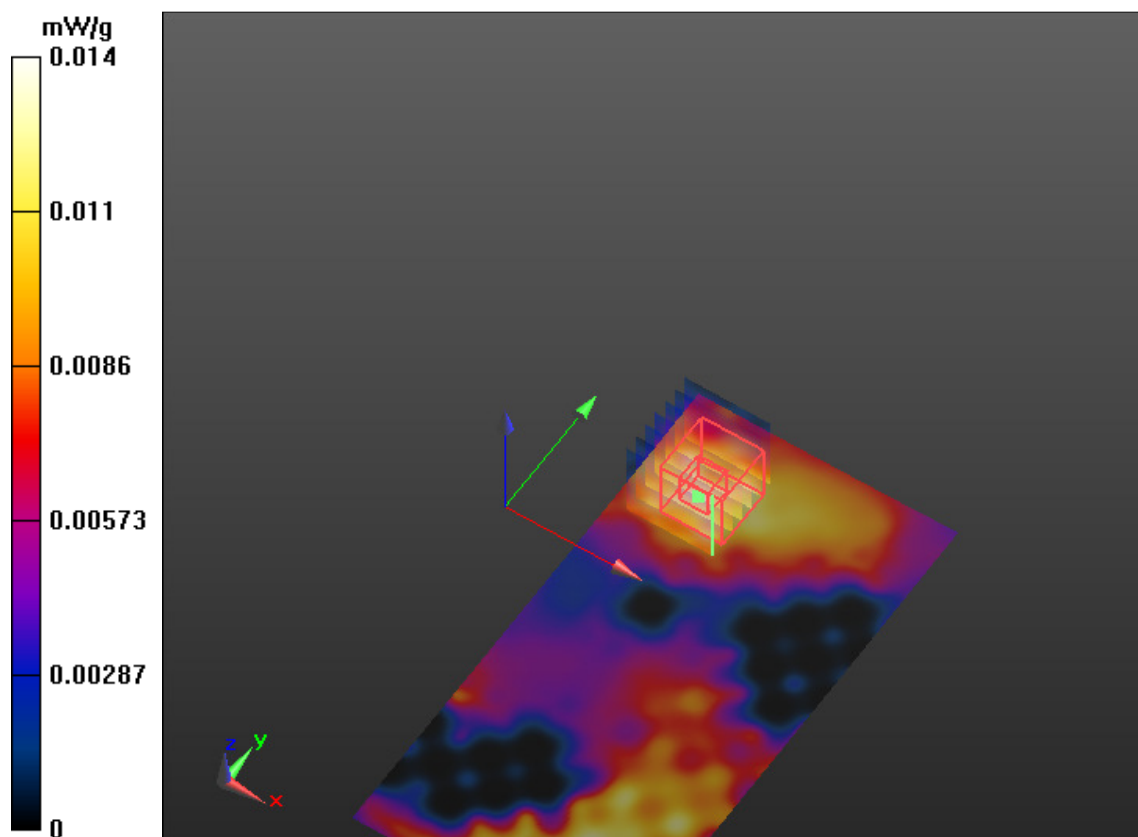
**Configuration/Body,1900, CDMA 1XRTT, RC3, Mid Ch600 1880MHz, B1, P2/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 2.399 V/m; Power Drift = 0.28 dB

Peak SAR (extrapolated) = 0.017 mW/g

**SAR(1 g) = 0.012 mW/g; SAR(10 g) = 0.00864 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.0148 mW/g



Test Laboratory: SGS North America

**52 BSL1900,CDMA 1XRTT, RC3, Mid ch600 1880MHz, B2 P1**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 1880 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.565$  mho/m;  $\epsilon_r = 52.983$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(7.36, 7.36, 7.36); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body,1900, CDMA 1XRTT, RC3, Mid Ch600 1880MHz, B2, P1/Area Scan (41x181x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.149 mW/g

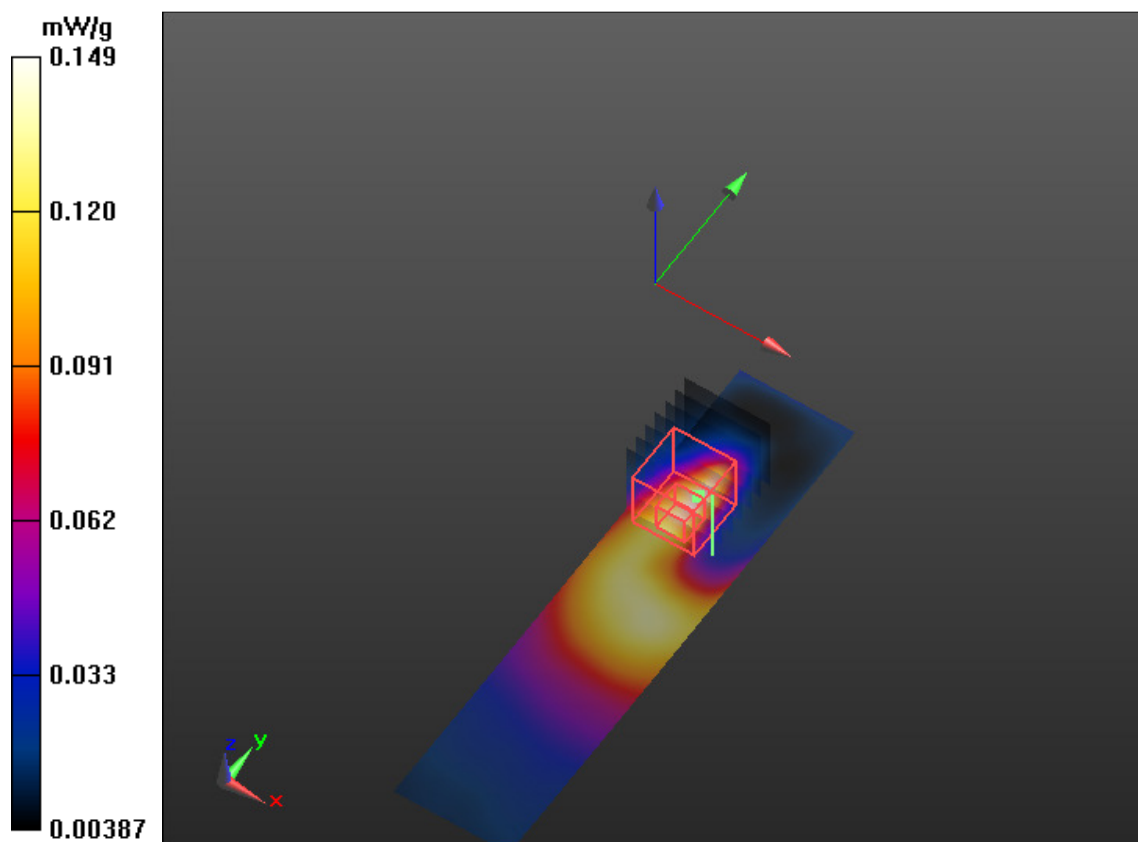
**Configuration/Body,1900, CDMA 1XRTT, RC3, Mid Ch600 1880MHz, B2, P1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 9.117 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.204 mW/g

**SAR(1 g) = 0.123 mW/g; SAR(10 g) = 0.065 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.140 mW/g



Test Laboratory: SGS North America

**53 BSL1900,CDMA 1XRTT, RC3, Mid ch600 1880MHz, B3 P1**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 1880 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.558$  mho/m;  $\epsilon_r = 53.092$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(7.36, 7.36, 7.36); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body,1900, CDMA 1XRTT, RC3, Mid Ch600 1880MHz, B3, P1/Area Scan (91x181x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.971 mW/g

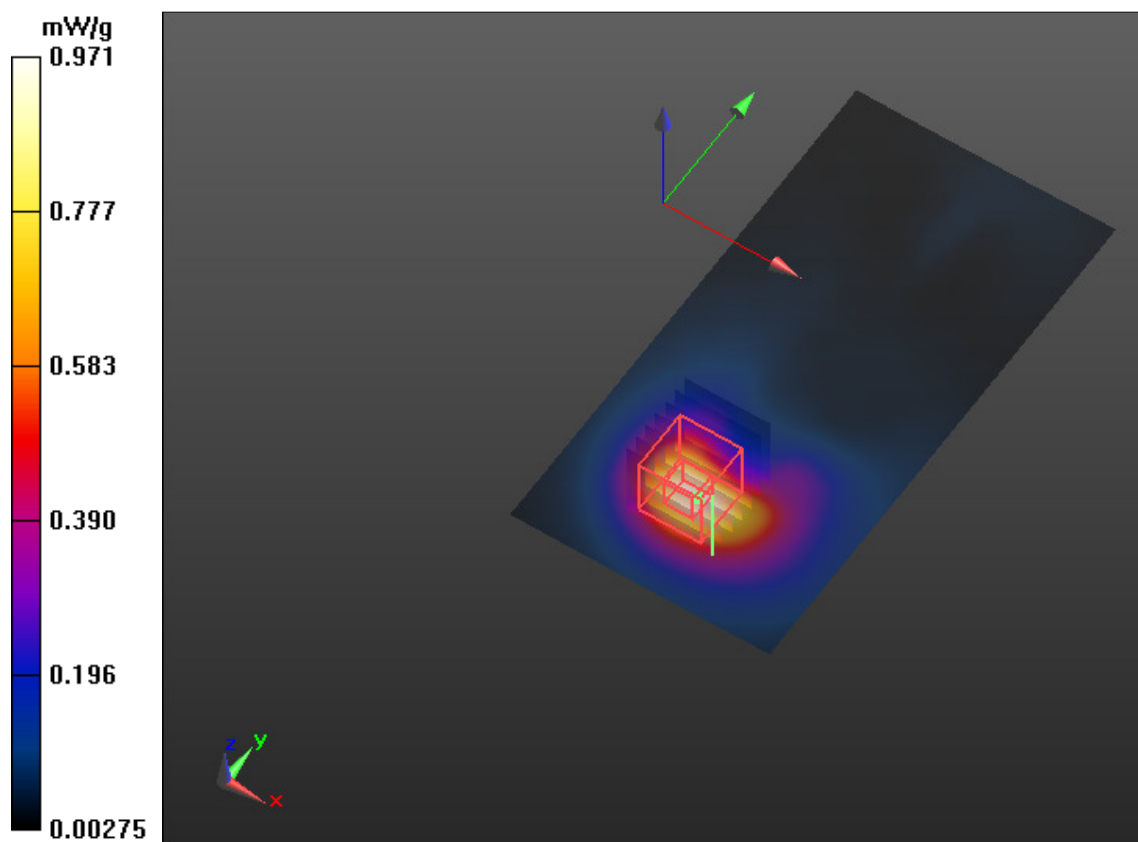
**Configuration/Body,1900, CDMA 1XRTT, RC3, Mid Ch600 1880MHz, B3, P1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 13.138 V/m; Power Drift = 0.37 dB

Peak SAR (extrapolated) = 1.466 mW/g

**SAR(1 g) = 0.922 mW/g; SAR(10 g) = 0.546 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.01 mW/g



Test Laboratory: SGS North America

**54 BSL1900,CDMA 1XRTT, RC3, Mid ch600 1880MHz, B3 P2**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 1880 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.558$  mho/m;  $\epsilon_r = 53.092$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(7.36, 7.36, 7.36); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body,1900, CDMA 1XRTT, RC3, Mid Ch600 1880MHz, B3, P2/Area Scan (91x181x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.0415 mW/g

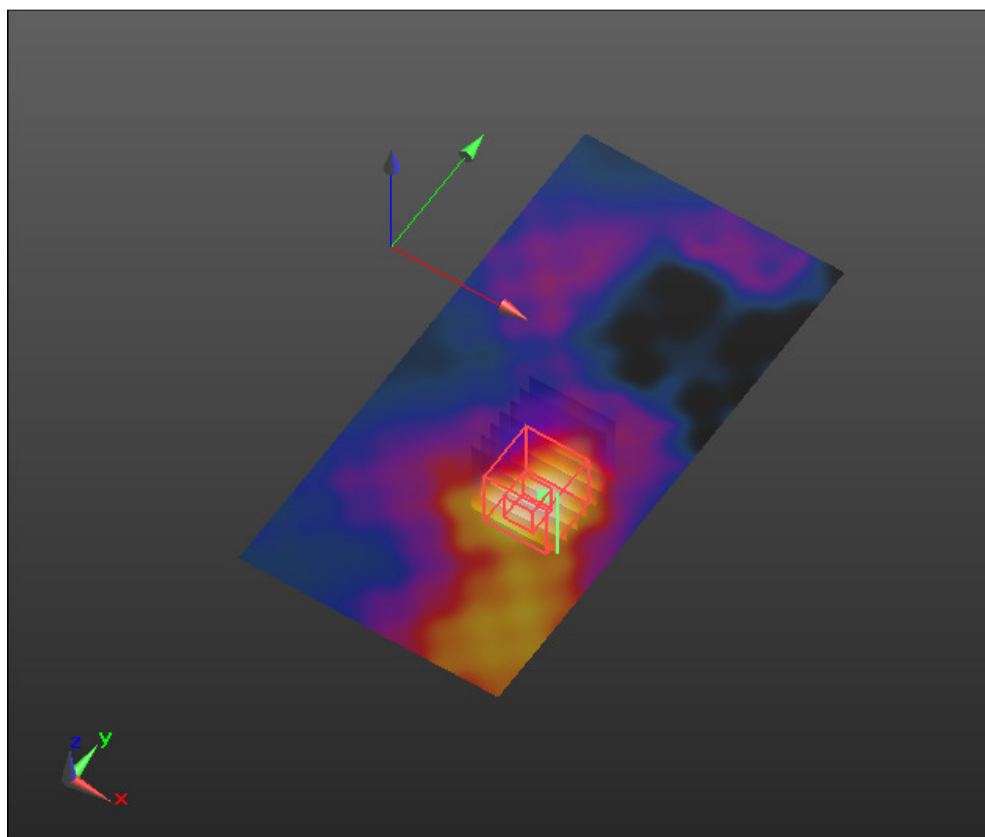
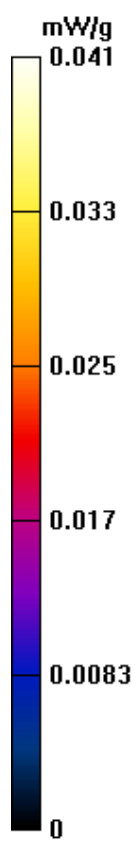
**Configuration/Body,1900, CDMA 1XRTT, RC3, Mid Ch600 1880MHz, B3, P2/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 3.005 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.054 mW/g

**SAR(1 g) = 0.037 mW/g; SAR(10 g) = 0.024 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.0415 mW/g



Test Laboratory: SGS North America

**55 BSL1900,CDMA 1XRTT, RC3, Low ch25 1851.25MHz, B3 P1**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 1851.25 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 1852$  MHz;  $\sigma = 1.537$  mho/m;  $\epsilon_r = 53.067$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(7.36, 7.36, 7.36); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body,1900, CDMA 1XRTT, RC3, Low Ch25 1851.25MHz, B3, P1/Area Scan (91x181x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 1.10 mW/g

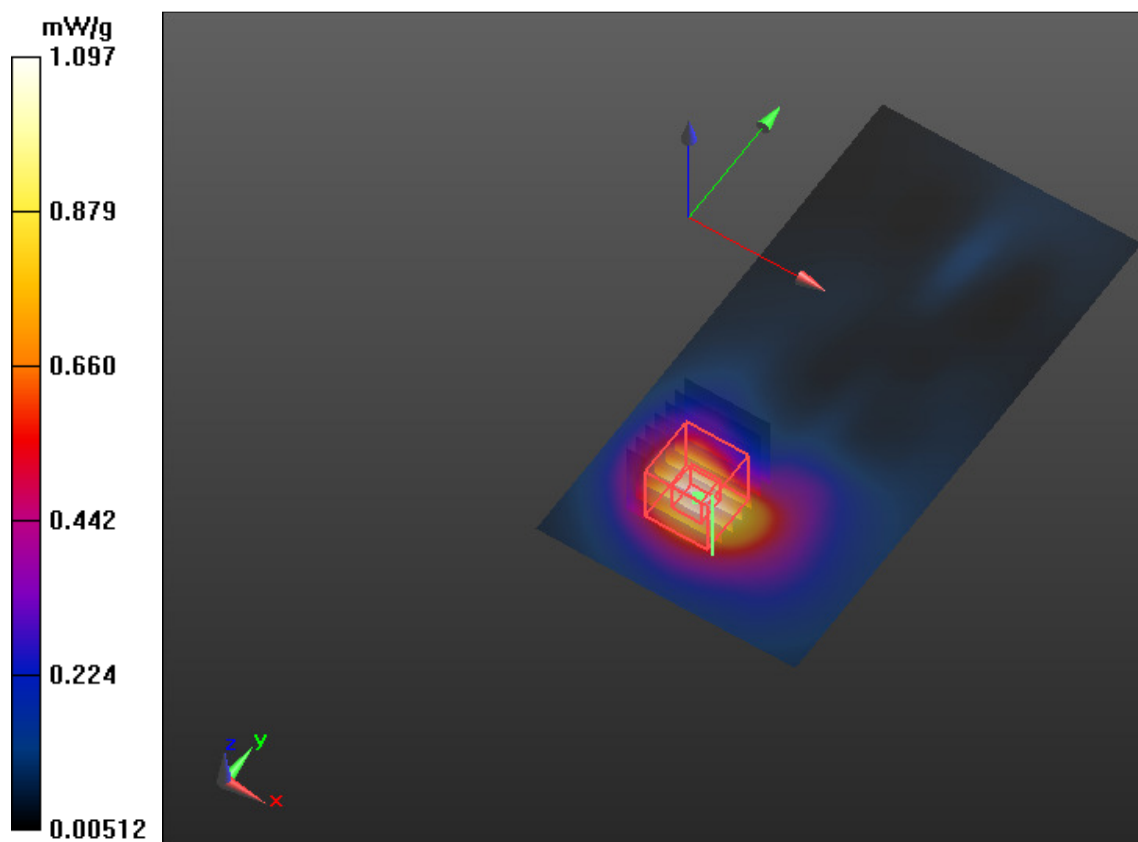
**Configuration/Body,1900, CDMA 1XRTT, RC3, Low Ch25 1851.25MHz, B3, P1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 15.093 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.568 mW/g

**SAR(1 g) = 0.994 mW/g; SAR(10 g) = 0.592 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.09 mW/g



Test Laboratory: SGS North America

**56 BSL1900,CDMA 1XRTT, RC3, High ch1175 1908.75MHz, B3 P1**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);  
Frequency: 1908.75 MHz; Communication System PAR: 0 dB; PMF: 1  
Medium parameters used (interpolated):  $f = 1908.75$  MHz;  $\sigma = 1.593$  mho/m;  $\epsilon_r = 52.909$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(7.36, 7.36, 7.36); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body,1900, CDMA 1XRTT, RC3, High Ch1175 1908.75MHz, B3, P1/Area Scan (91x181x1):** Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 1.29 mW/g

**Configuration/Body,1900, CDMA 1XRTT, RC3, High Ch1175 1908.75MHz, B3, P1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

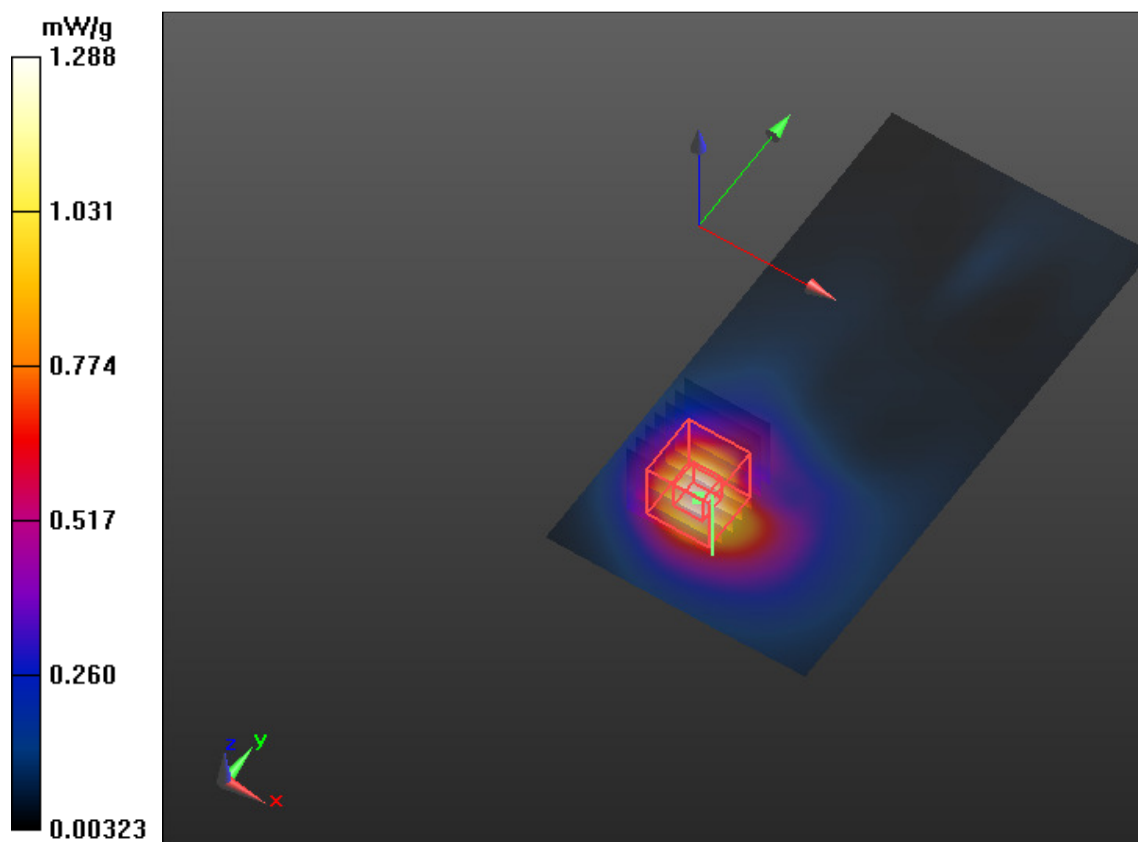
Reference Value = 14.278 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.773 mW/g

**SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.646 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.22 mW/g



Date/Time: 7/8/2013 1:15:22 PM

Test Laboratory: SGS North America

**BSL1900, WCDMA Band II, UMTS, RMC 12.2k, High ch9538 1907.6MHz, B3 P1 with 3900mAh batt**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 1907.6 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.585$  mho/m;  $\epsilon_r = 52.57$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

**DASY Configuration:**

- Probe: EX3DV4 - SN3812; ConvF(7.36, 7.36, 7.36); Calibrated: 12/12/2012;
  - Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body, 1900, WCDMA Band II, UMTS, RMC 12.2k, High Ch9538 1907.6MHz, B3, P1 w 3900mAh batt/Area Scan (91x181x1):**

Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 1.50 mW/g

**Configuration/Body, 1900, WCDMA Band II, UMTS, RMC 12.2k, High Ch9538 1907.6MHz, B3, P1 w 3900mAh batt/Zoom Scan (7x7x7)/Cube 0:**

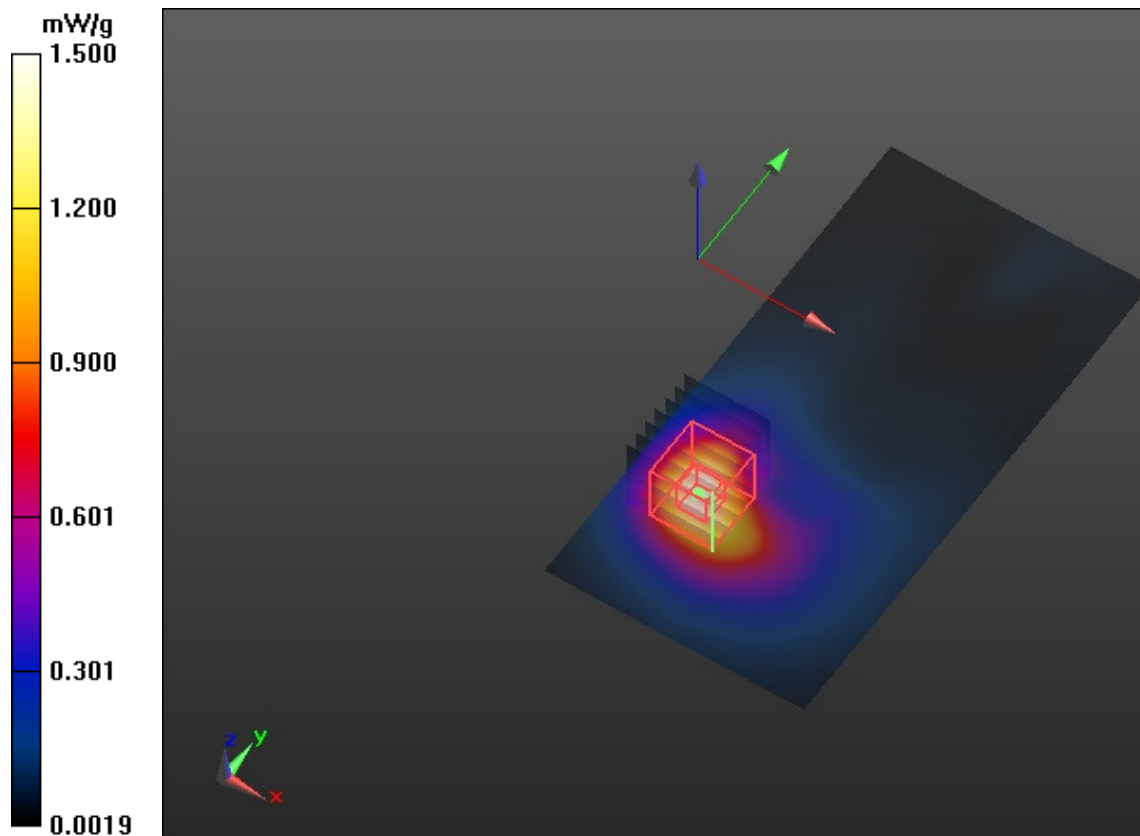
Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 11.446 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 2.158 mW/g

**SAR(1 g) = 1.3 mW/g; SAR(10 g) = 0.758 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.44 mW/g



Test Laboratory: SGS North America

## **57 HSL,GSM850, Voice, GMSK, Mid ch190, 836.6MHz Left Touch**

### **DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz); Frequency: 836.6 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104  
Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.882$  mho/m;  $\epsilon_r = 40.083$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(9.17, 9.17, 9.17); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

### **Configuration/HSL, GSMS850, Voice,GMSK, Mid ch190, 836.6MHz, Left Touch/Area Scan (111x191x1):** Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.166 mW/g

### **Configuration/HSL, GSMS850, Voice,GMSK, Mid ch190, 836.6MHz, Left Touch/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

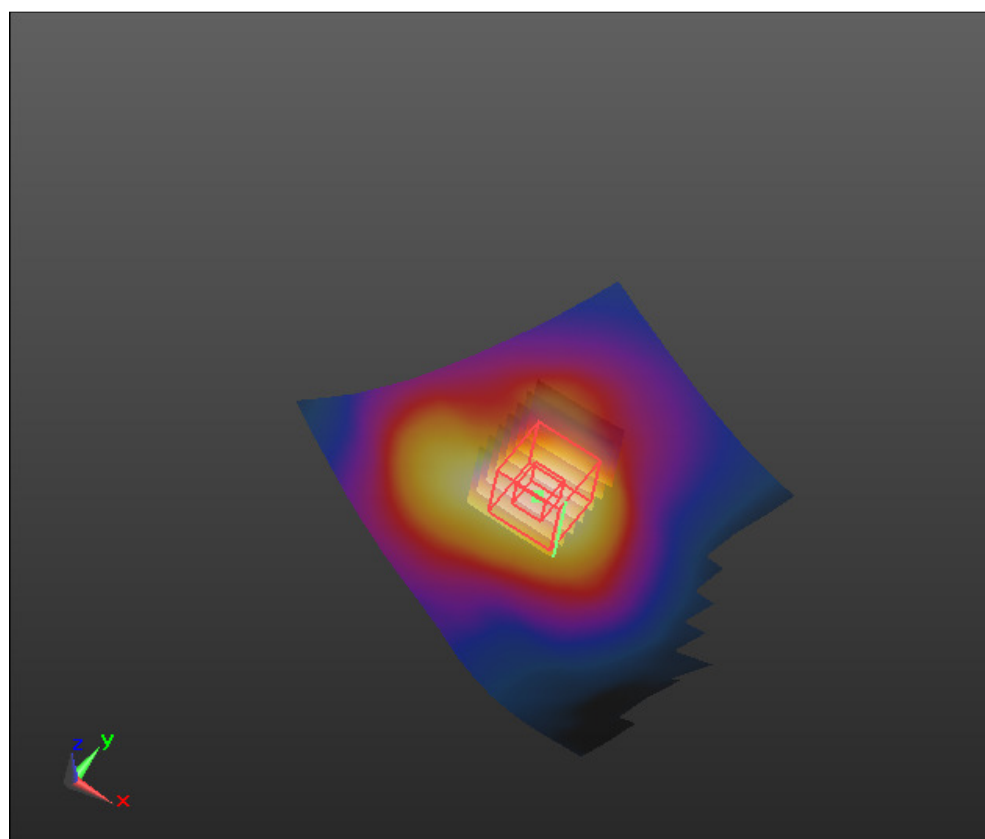
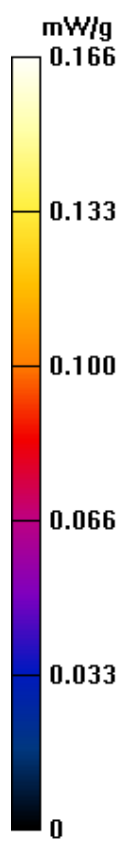
Reference Value = 10.935 V/m; Power Drift = -0.36 dB

Peak SAR (extrapolated) = 0.196 mW/g

**SAR(1 g) = 0.156 mW/g; SAR(10 g) = 0.118 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.162 mW/g



Test Laboratory: SGS North America

## **58 HSL,GSM850, Voice, GMSK, Mid ch190, 836.6MHz Left Tilt**

### **DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz); Frequency: 836.6 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104  
Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.878$  mho/m;  $\epsilon_r = 39.77$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(9.17, 9.17, 9.17); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

### **Configuration/HSL, GSMS850, Voice,GMSK, Mid ch190, 836.6MHz, Left Tilt/Area Scan (111x191x1):** Measurement grid: $dx=10$ mm, $dy=10$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.0970 mW/g

### **Configuration/HSL, GSMS850, Voice,GMSK, Mid ch190, 836.6MHz, Left Tilt/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

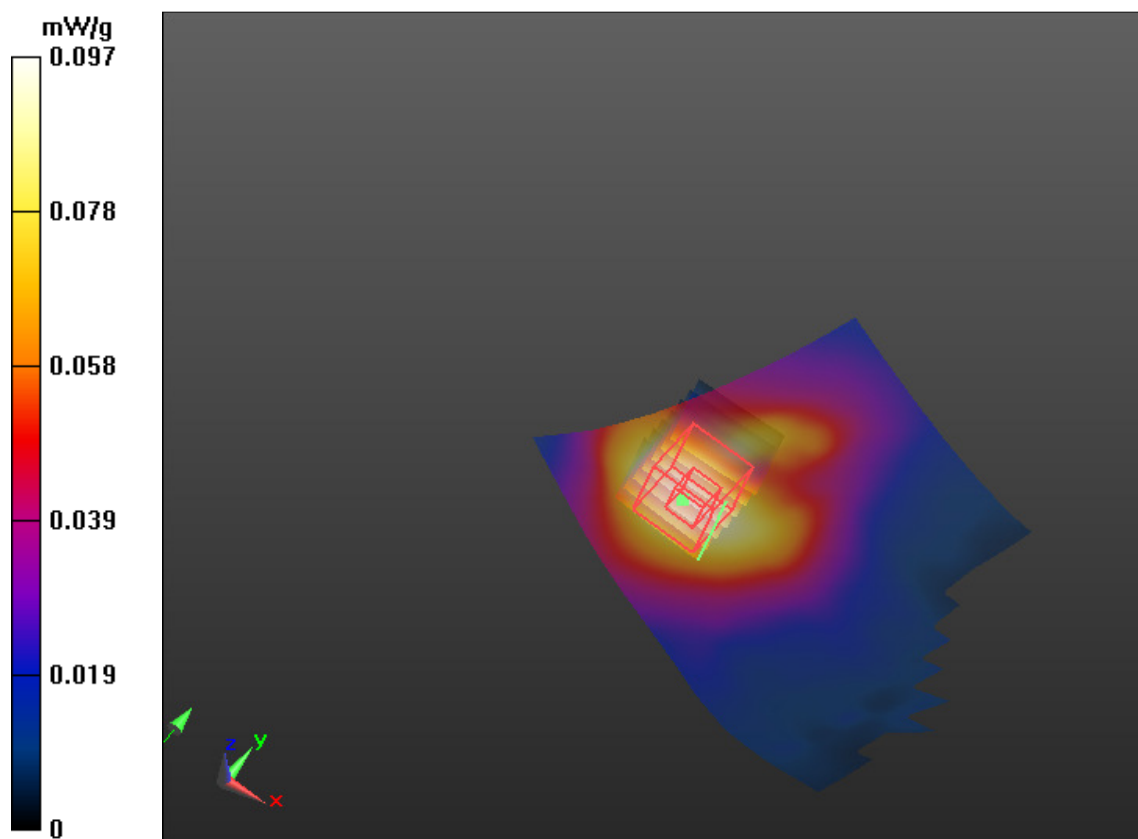
Reference Value = 9.111 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.140 mW/g

**SAR(1 g) = 0.097 mW/g; SAR(10 g) = 0.065 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.101 mW/g



Test Laboratory: SGS North America

## **59 HSL,GSM850, Voice, GMSK, Mid ch190, 836.6MHz Right Touch**

### **DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz); Frequency: 836.6 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104  
Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.882$  mho/m;  $\epsilon_r = 40.083$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(9.17, 9.17, 9.17); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

### **Configuration/HSL, GSM850, Voice,GMSK, Mid ch190, 836.6MHz, Right Touch/Area Scan (111x191x1):** Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.227 mW/g

### **Configuration/HSL, GSM850, Voice,GMSK, Mid ch190, 836.6MHz, Right Touch/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

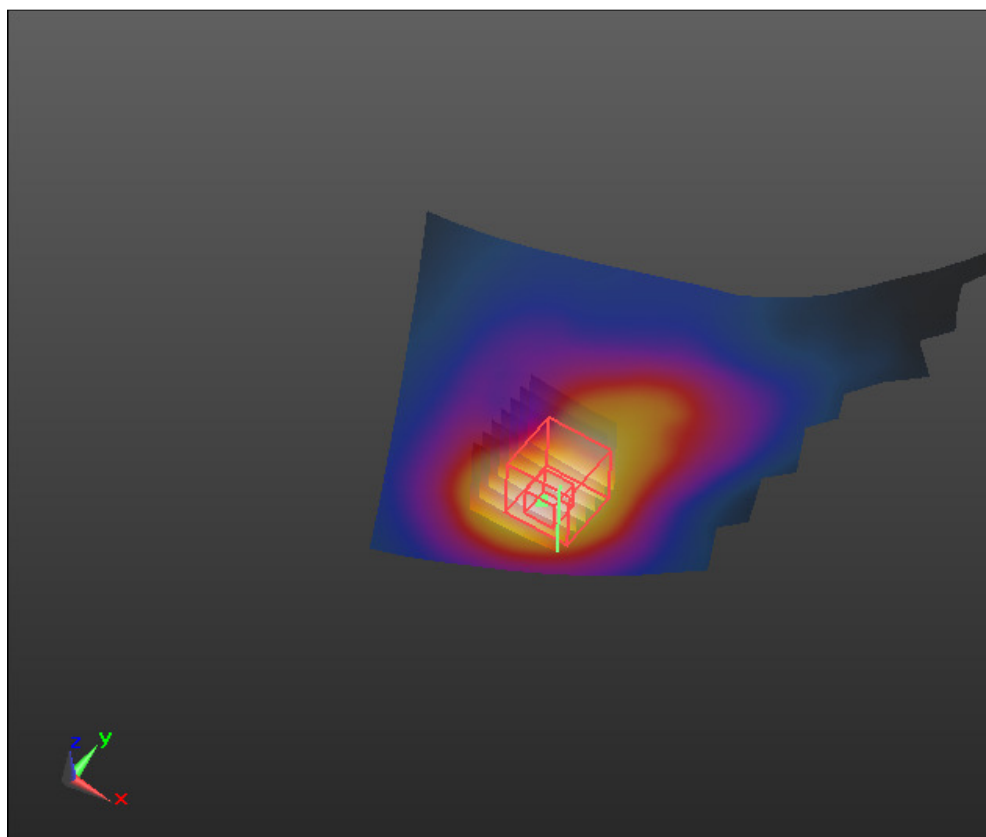
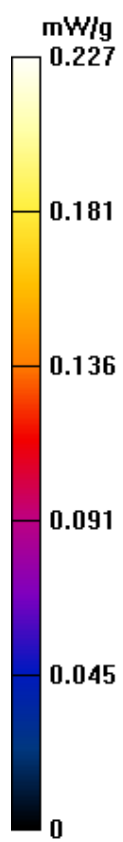
Reference Value = 8.953 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.293 mW/g

**SAR(1 g) = 0.218 mW/g; SAR(10 g) = 0.150 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.228 mW/g



Test Laboratory: SGS North America

**60 HSL,GSM850, Voice, GMSK, Mid ch190, 836.6MHz Right Tilt**

**DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz); Frequency: 836.6 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104  
Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.882$  mho/m;  $\epsilon_r = 40.083$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(9.17, 9.17, 9.17); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/HSL, GSM850, Voice,GMSK, Mid ch190, 836.6MHz, Right Tilt/Area Scan (111x191x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.185 mW/g

**Configuration/HSL, GSM850, Voice,GMSK, Mid ch190, 836.6MHz, Right Tilt/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

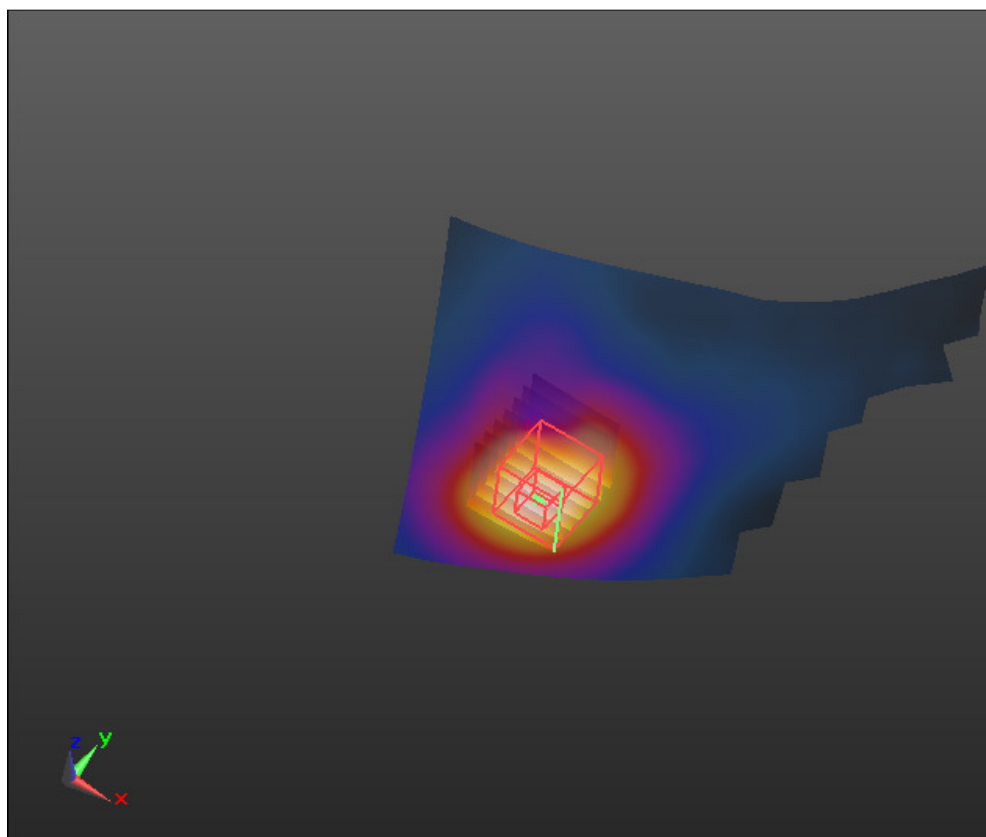
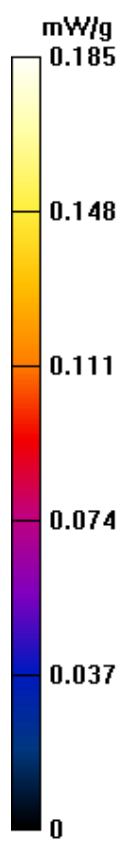
Reference Value = 9.080 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.245 mW/g

**SAR(1 g) = 0.174 mW/g; SAR(10 g) = 0.118 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.183 mW/g



Test Laboratory: SGS North America

## **61 HSL,GSM850, Voice, GMSK, Low ch128, 824.2MHz Right Touch**

### **DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz); Frequency: 824.2 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104  
Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.867$  mho/m;  $\epsilon_r = 39.919$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(9.17, 9.17, 9.17); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

### **Configuration/HSL, GSM850, Voice,GMSK, Low ch128, 824.2MHz, Right Touch/Area Scan (111x191x1):** Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.246 mW/g

### **Configuration/HSL, GSM850, Voice,GMSK, Low ch128, 824.2MHz, Right Touch/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

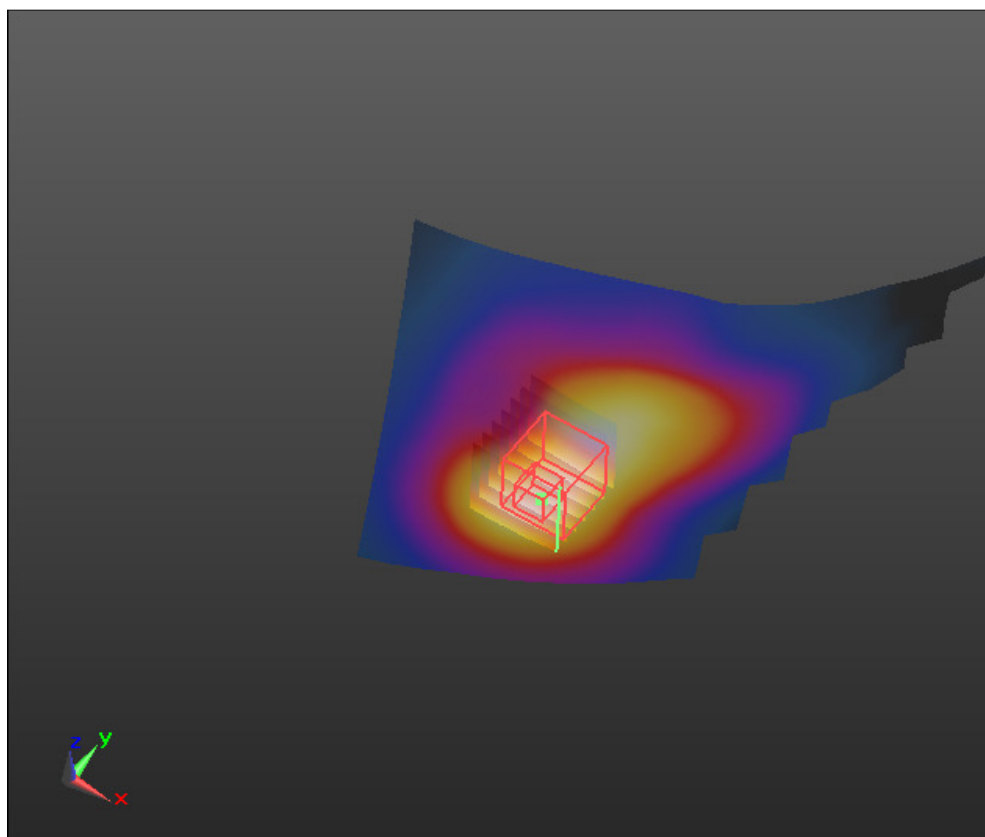
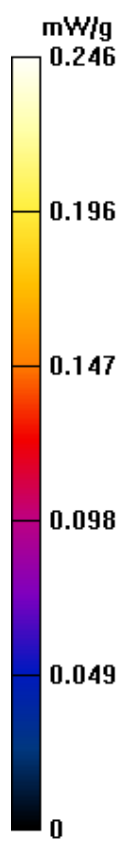
Reference Value = 10.632 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.314 mW/g

**SAR(1 g) = 0.233 mW/g; SAR(10 g) = 0.165 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.242 mW/g



Test Laboratory: SGS North America

## **62 HSL,GSM850, Voice, GMSK, High ch251, 848.8MHz Right Touch**

### **DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz); Frequency: 848.8 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104  
Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 0.889$  mho/m;  $\epsilon_r = 39.631$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(9.17, 9.17, 9.17); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

### **Configuration/HSL, GSM850, Voice,GMSK, High ch251, 848.8MHz, Right Touch/Area Scan (111x191x1):** Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.161 mW/g

### **Configuration/HSL, GSM850, Voice,GMSK, High ch251, 848.8MHz, Right Touch/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

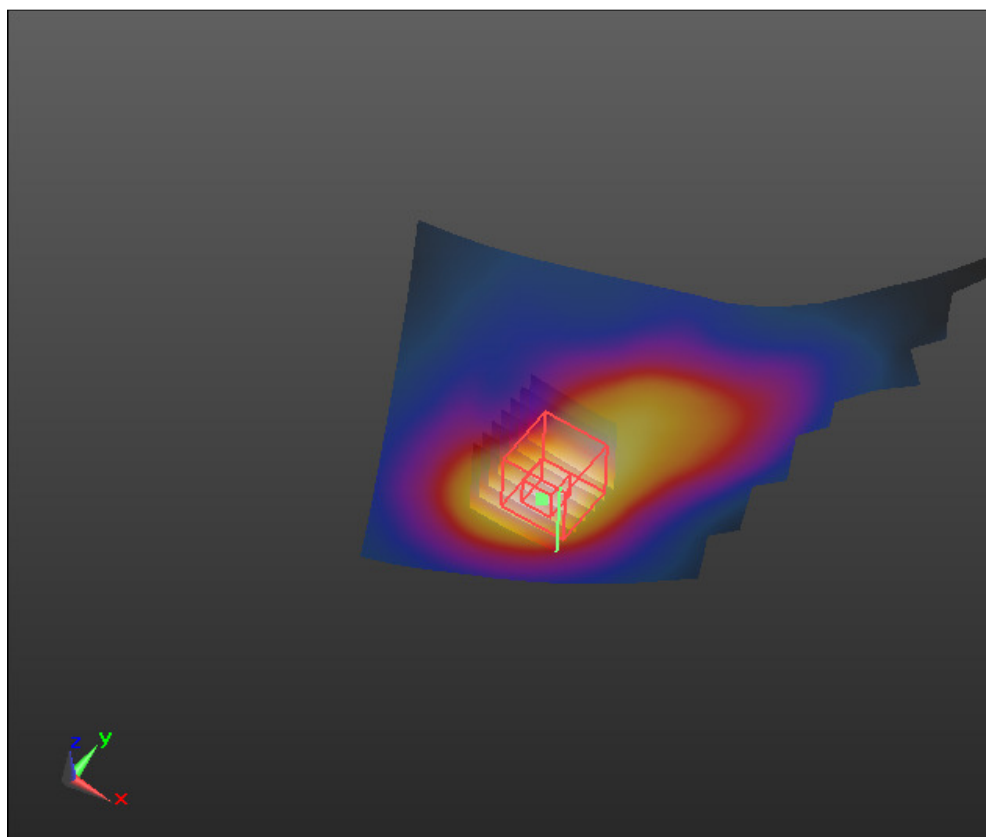
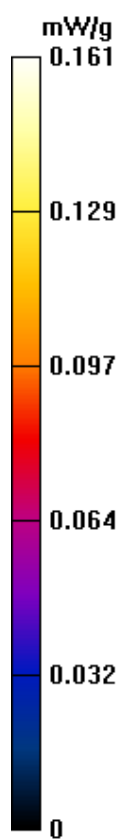
Reference Value = 7.650 V/m; Power Drift = 0.20 dB

Peak SAR (extrapolated) = 0.204 mW/g

**SAR(1 g) = 0.151 mW/g; SAR(10 g) = 0.105 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.159 mW/g



Test Laboratory: SGS North America

### **63 HSL,GPRS850, VoIP, Mid ch190, 836.6MHz Left Touch**

#### **DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz); Frequency: 836.6 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104  
Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.882$  mho/m;  $\epsilon_r = 40.083$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(9.17, 9.17, 9.17); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

#### **Configuration/HSL, GPRS850, VoIP, Mid ch190, 836.6MHz, Left Touch/Area Scan (111x191x1):** Measurement grid: $dx=10$ mm, $dy=10$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.310 mW/g

#### **Configuration/HSL, GPRS850, VoIP, Mid ch190, 836.6MHz, Left**

**Touch/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

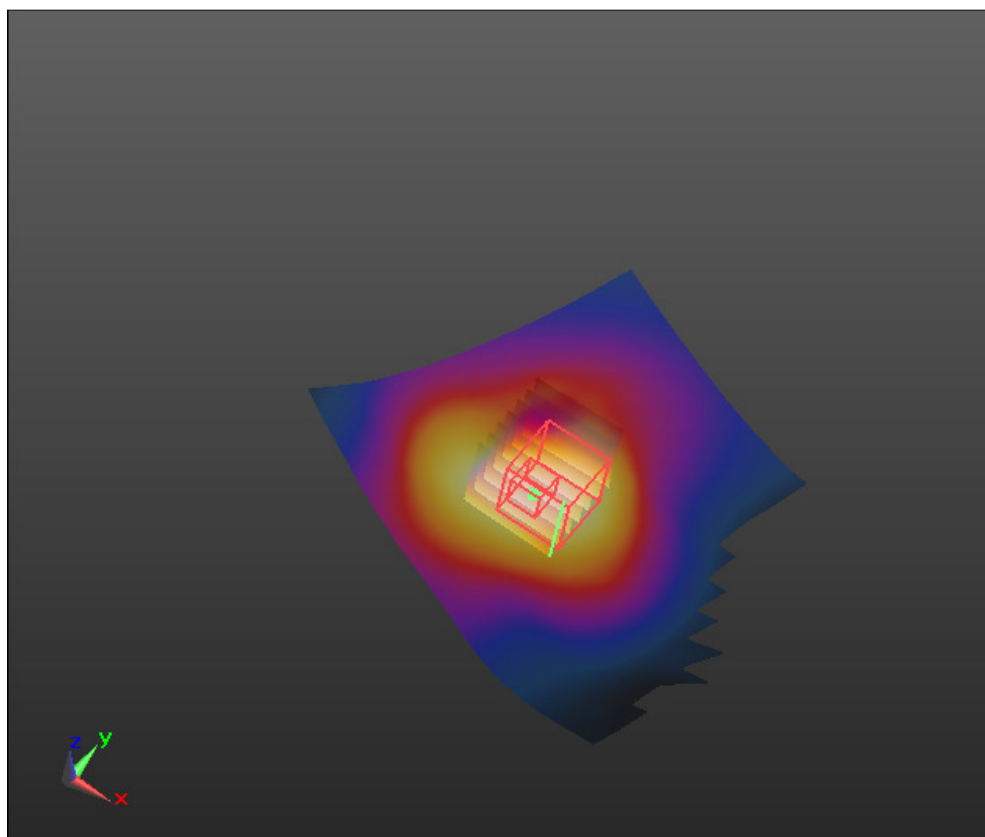
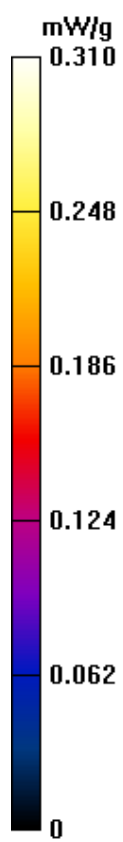
Reference Value = 14.041 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.393 mW/g

**SAR(1 g) = 0.300 mW/g; SAR(10 g) = 0.222 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.310 mW/g



Test Laboratory: SGS North America

## **64 HSL,GPRS850, VoIP, Mid ch190, 836.6MHz Left Tilt**

### **DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz); Frequency: 836.6 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104  
Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.882$  mho/m;  $\epsilon_r = 40.083$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(9.17, 9.17, 9.17); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

### **Configuration/HSL, GPRS850, VoIP, Mid ch190, 836.6MHz, Left Tilt/Area Scan (111x191x1):** Measurement grid: $dx=10$ mm, $dy=10$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.226 mW/g

### **Configuration/HSL, GPRS850, VoIP, Mid ch190, 836.6MHz, Left Tilt/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

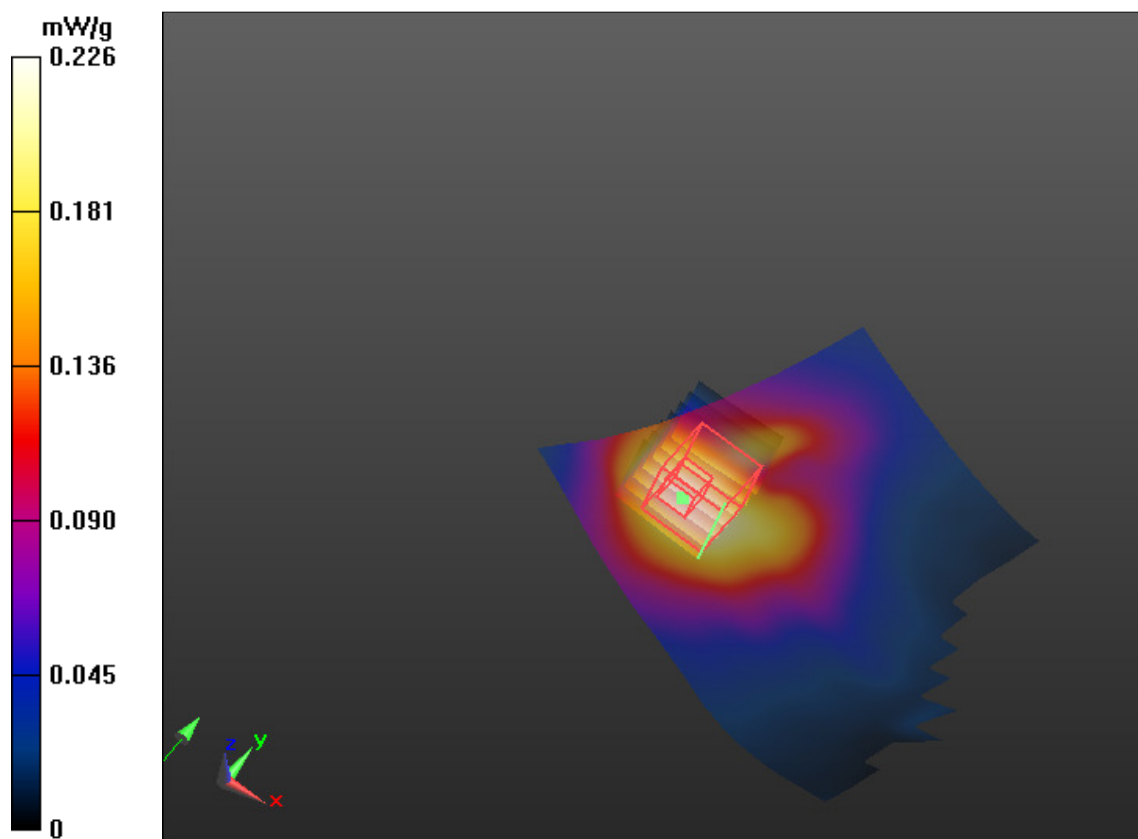
Reference Value = 13.050 V/m; Power Drift = 0.40 dB

Peak SAR (extrapolated) = 0.295 mW/g

**SAR(1 g) = 0.209 mW/g; SAR(10 g) = 0.143 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.221 mW/g



Test Laboratory: SGS North America

## **65 HSL,GPRS850, VoIP, Mid ch190, 836.6MHz Right Touch**

### **DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz); Frequency: 836.6 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104  
Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.882$  mho/m;  $\epsilon_r = 40.083$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(9.17, 9.17, 9.17); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

### **Configuration/HSL, GPRS850, VoIP, Mid ch190, 836.6MHz, Right Touch/Area Scan (111x191x1):** Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.467 mW/g

### **Configuration/HSL, GPRS850, VoIP, Mid ch190, 836.6MHz, Right**

**Touch/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

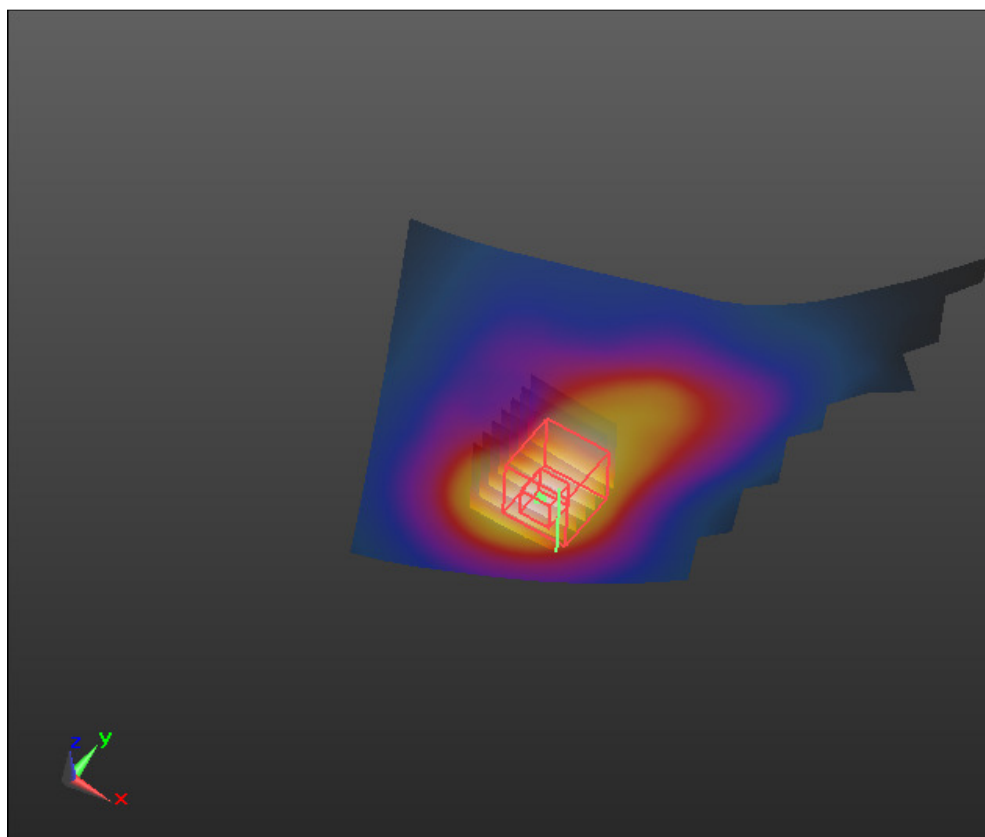
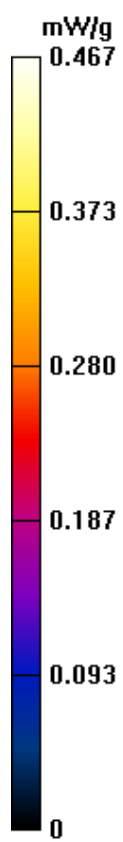
Reference Value = 12.788 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.618 mW/g

**SAR(1 g) = 0.449 mW/g; SAR(10 g) = 0.306 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.471 mW/g



Test Laboratory: SGS North America

## **66 HSL,GPRS850, VoIP, Mid ch190, 836.6MHz Right Tilt**

### **DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz); Frequency: 836.6 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104  
Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.882$  mho/m;  $\epsilon_r = 40.083$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(9.17, 9.17, 9.17); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

### **Configuration/HSL, GPRS850, VoIP, Mid ch190, 836.6MHz, Right Tilt/Area Scan (111x191x1):** Measurement grid: $dx=10$ mm, $dy=10$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.372 mW/g

### **Configuration/HSL, GPRS850, VoIP, Mid ch190, 836.6MHz, Right Tilt/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

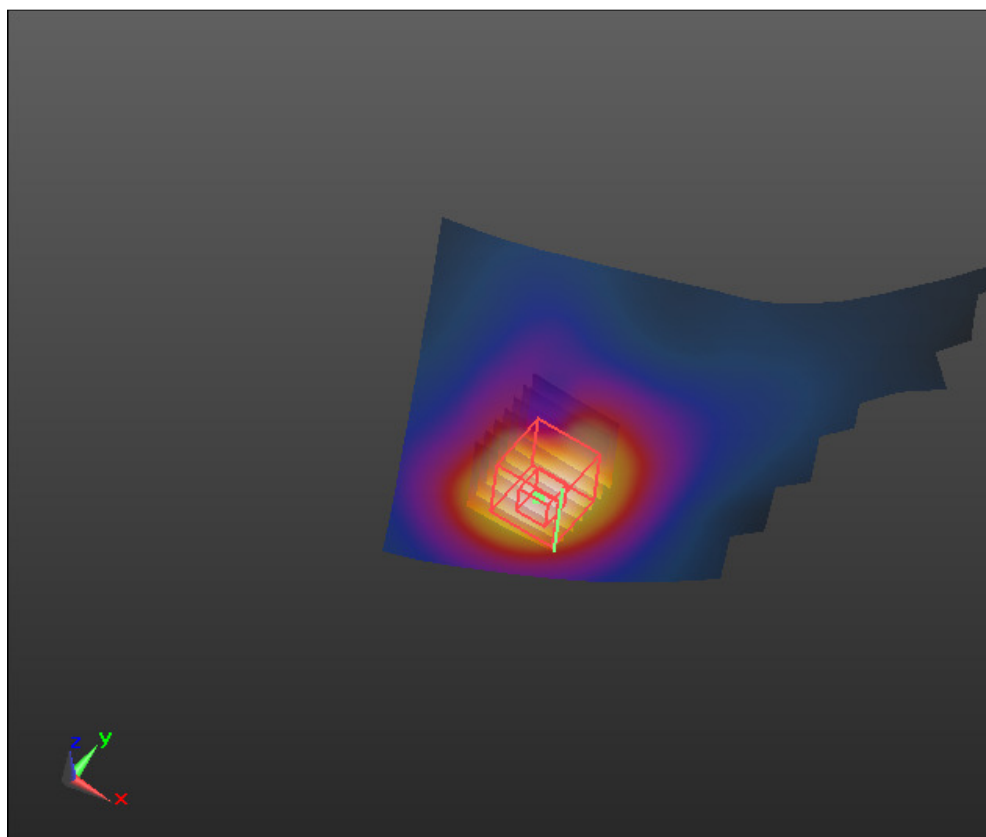
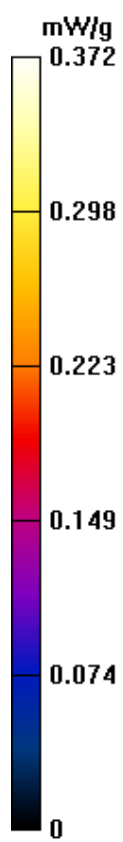
Reference Value = 13.504 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.502 mW/g

**SAR(1 g) = 0.352 mW/g; SAR(10 g) = 0.236 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.370 mW/g



Test Laboratory: SGS North America

## **67 HSL,GPRS850, VoIP, Low ch128, 824.2MHz Right Touch**

### **DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz); Frequency: 824.2 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104  
Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.871$  mho/m;  $\epsilon_r = 40.237$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(9.17, 9.17, 9.17); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

### **Configuration/HSL, GPRS850, VoIP, Low ch251, 848.8MHz, Right Touch/Area Scan (111x191x1):** Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.548 mW/g

### **Configuration/HSL, GPRS850, VoIP, Low ch251, 848.8MHz, Right**

**Touch/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

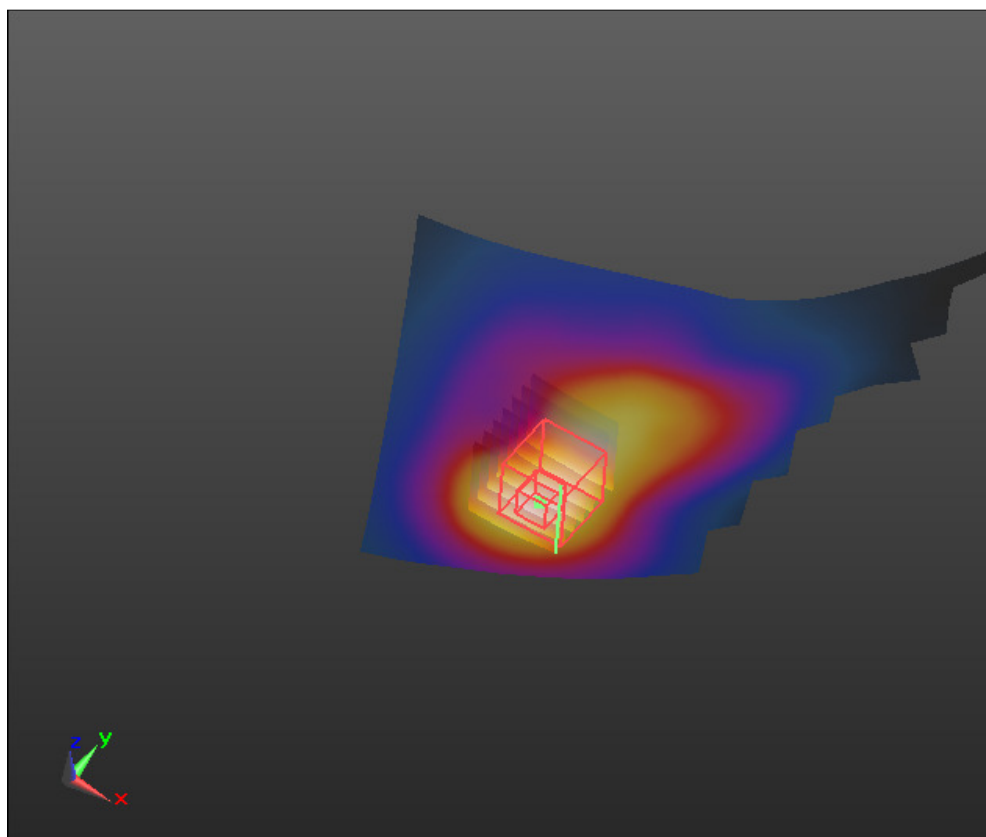
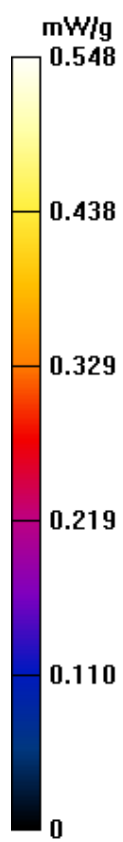
Reference Value = 15.043 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.711 mW/g

**SAR(1 g) = 0.518 mW/g; SAR(10 g) = 0.357 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.540 mW/g



Test Laboratory: SGS North America

## **68 HSL,GPRS850, VoIP, High ch251, 848.8MHz Right Touch**

### **DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz); Frequency: 848.6 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104  
Medium parameters used (interpolated):  $f = 848.6$  MHz;  $\sigma = 0.894$  mho/m;  $\epsilon_r = 39.943$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(9.17, 9.17, 9.17); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

### **Configuration/HSL, GPRS850, VoIP, High ch251, 848.8MHz, Right Touch/Area Scan (111x191x1):** Measurement grid: dx=10mm, dy=10mm

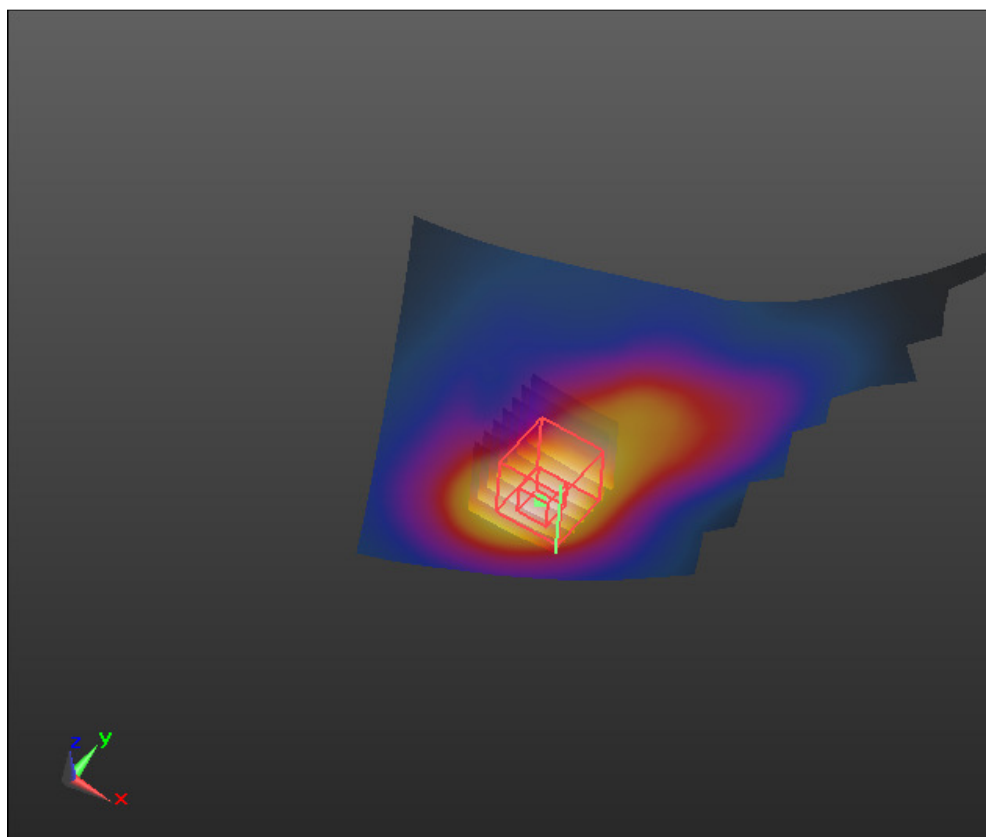
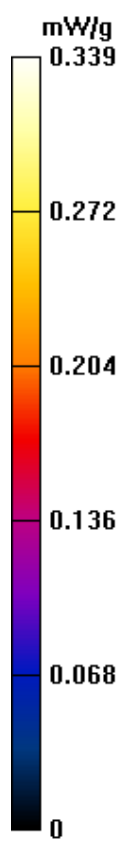
[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.339 mW/g

**Configuration/HSL, GPRS850, VoIP, High ch251, 848.8MHz, Right Touch/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 10.060 V/m; Power Drift = -0.09 dB  
Peak SAR (extrapolated) = 0.441 mW/g  
**SAR(1 g) = 0.322 mW/g; SAR(10 g) = 0.219 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.337 mW/g



Test Laboratory: SGS North America

**69 HSL850, WCDMA Band V, UMTS, RMC 12.2k, Mid ch4183, 836.6MHz  
Left Touch**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 836.6 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.878$  mho/m;  $\epsilon_r = 39.77$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

**DASY Configuration:**

- Probe: EX3DV4 - SN3812; ConvF(9.17, 9.17, 9.17); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/HSL850, WCDMA, Band V, UMTS, RMC 12.2k, Mid ch4183, 836.6MHz, Left Touch/Area Scan (111x191x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.238 mW/g

**Configuration/HSL850, WCDMA, Band V, UMTS, RMC 12.2k, Mid ch4183, 836.6MHz, Left Touch/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

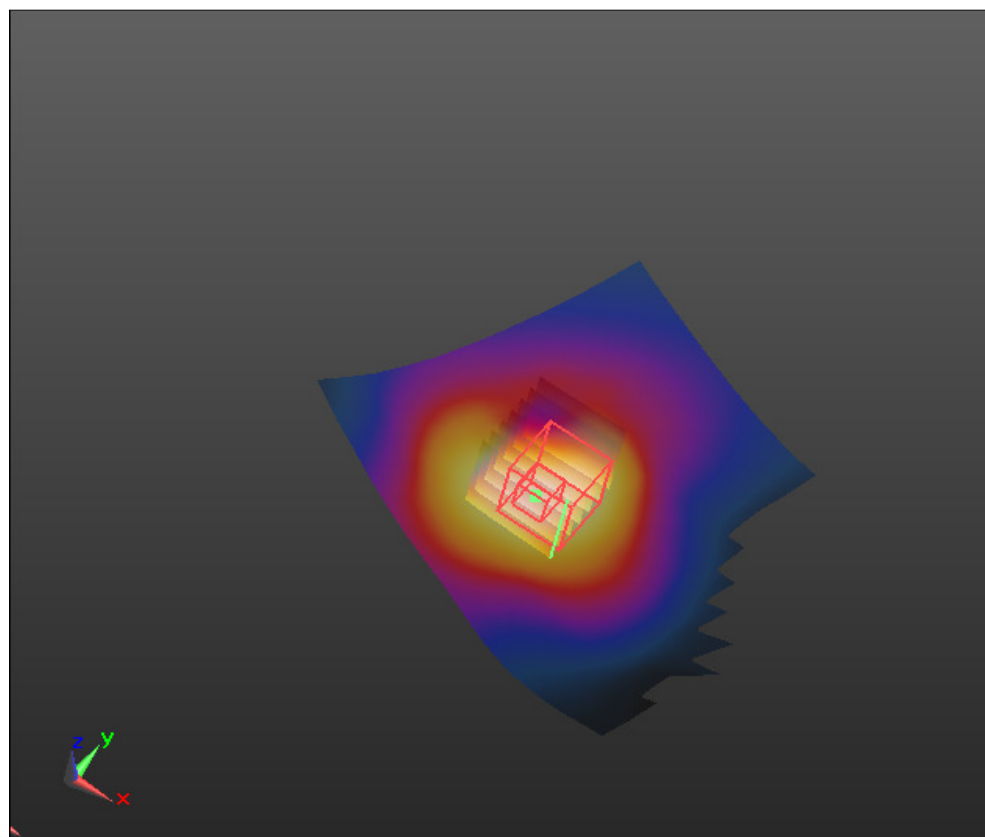
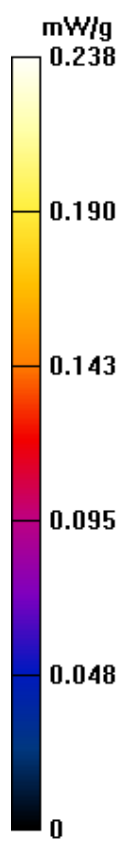
Reference Value = 11.942 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.302 mW/g

**SAR(1 g) = 0.228 mW/g; SAR(10 g) = 0.168 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.238 mW/g



Test Laboratory: SGS North America

**70 HSL850, WCDMA Band V, UMTS, RMC 12.2k, Mid ch4183, 836.6MHz  
Left Tilt**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 836.6 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.878$  mho/m;  $\epsilon_r = 39.77$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

**DASY Configuration:**

- Probe: EX3DV4 - SN3812; ConvF(9.17, 9.17, 9.17); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/HSL850, WCDMA, Band V, UMTS, RMC 12.2k, Mid ch4183, 836.6MHz, Left Tilt/Area Scan (111x191x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.136 mW/g

**Configuration/HSL850, WCDMA, Band V, UMTS, RMC 12.2k, Mid ch4183, 836.6MHz, Left Tilt/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

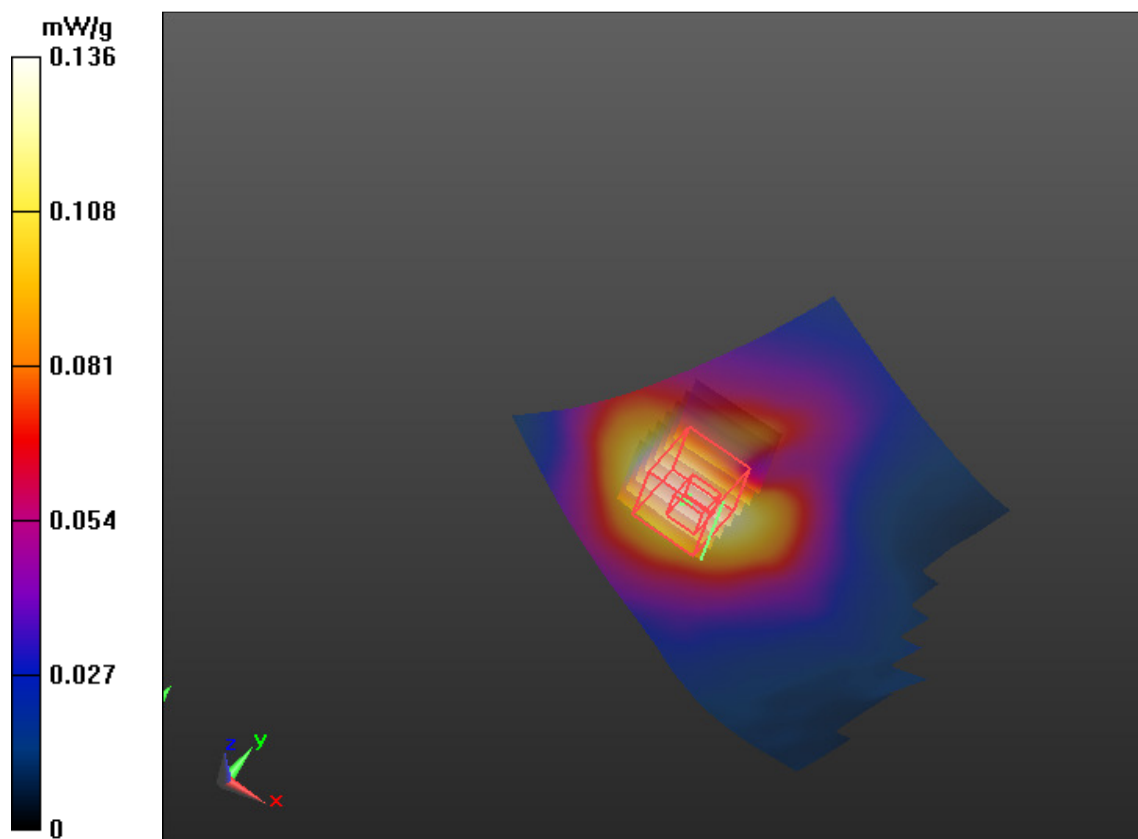
Reference Value = 10.469 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.186 mW/g

**SAR(1 g) = 0.128 mW/g; SAR(10 g) = 0.087 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.135 mW/g



Test Laboratory: SGS North America

**71 HSL850, WCDMA Band V, UMTS, RMC 12.2k, Mid ch4183, 836.6MHz  
Right Touch**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 836.6 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.878$  mho/m;  $\epsilon_r = 39.77$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

**DASY Configuration:**

- Probe: EX3DV4 - SN3812; ConvF(9.17, 9.17, 9.17); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/HSL850, WCDMA Band II, UMTS, RMC 12.2k, Mid ch4183,  
836.6MHz, Right Touch/Area Scan (111x191x1):** Measurement grid:  $dx=10$ mm,  
 $dy=10$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.289 mW/g

**Configuration/HSL850, WCDMA Band II, UMTS, RMC 12.2k, Mid ch4183,  
836.6MHz, Right Touch/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  
 $dy=5$ mm,  $dz=5$ mm

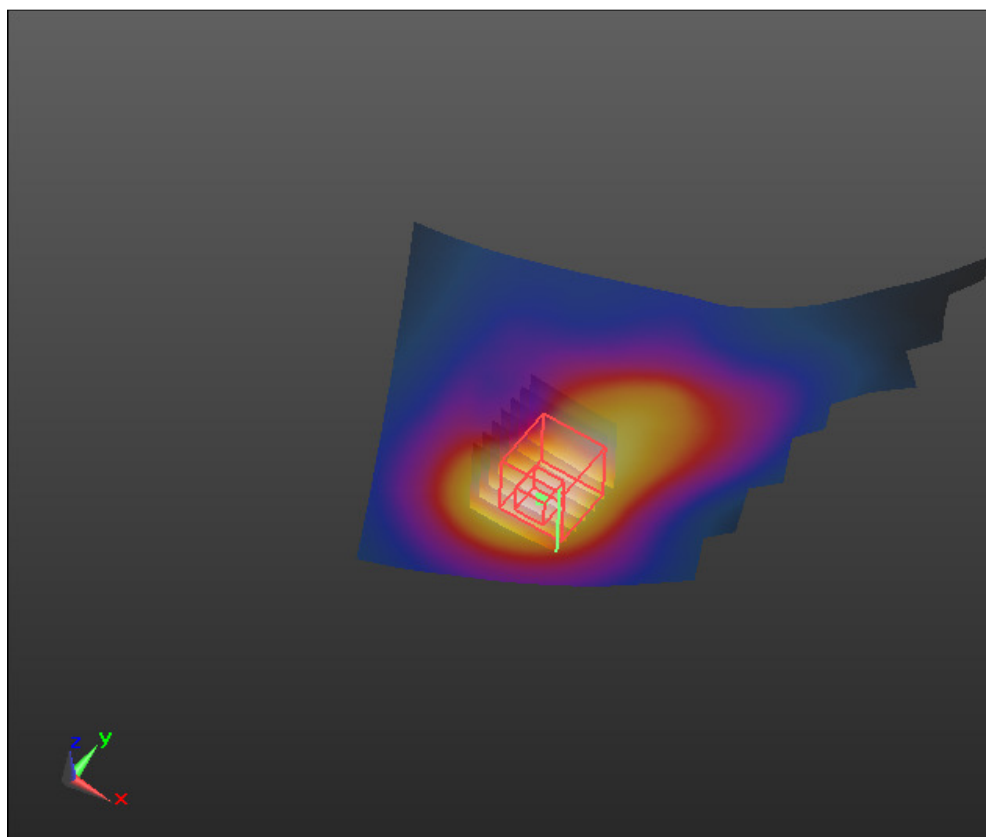
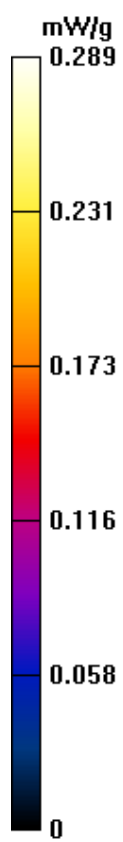
Reference Value = 10.648 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.377 mW/g

**SAR(1 g) = 0.276 mW/g; SAR(10 g) = 0.192 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.291 mW/g



Test Laboratory: SGS North America

**72 HSL850, WCDMA Band V, UMTS, RMC 12.2k, Mid ch4183, 836.6MHz  
Right Tilt**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 836.6 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.878$  mho/m;  $\epsilon_r = 39.77$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

**DASY Configuration:**

- Probe: EX3DV4 - SN3812; ConvF(9.17, 9.17, 9.17); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/HSL850, WCDMA Band II, UMTS, RMC 12.2k, Mid ch4183, 836.6MHz, Right Tilt/Area Scan (111x191x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.223 mW/g

**Configuration/HSL850, WCDMA Band II, UMTS, RMC 12.2k, Mid ch4183, 836.6MHz, Right Tilt/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

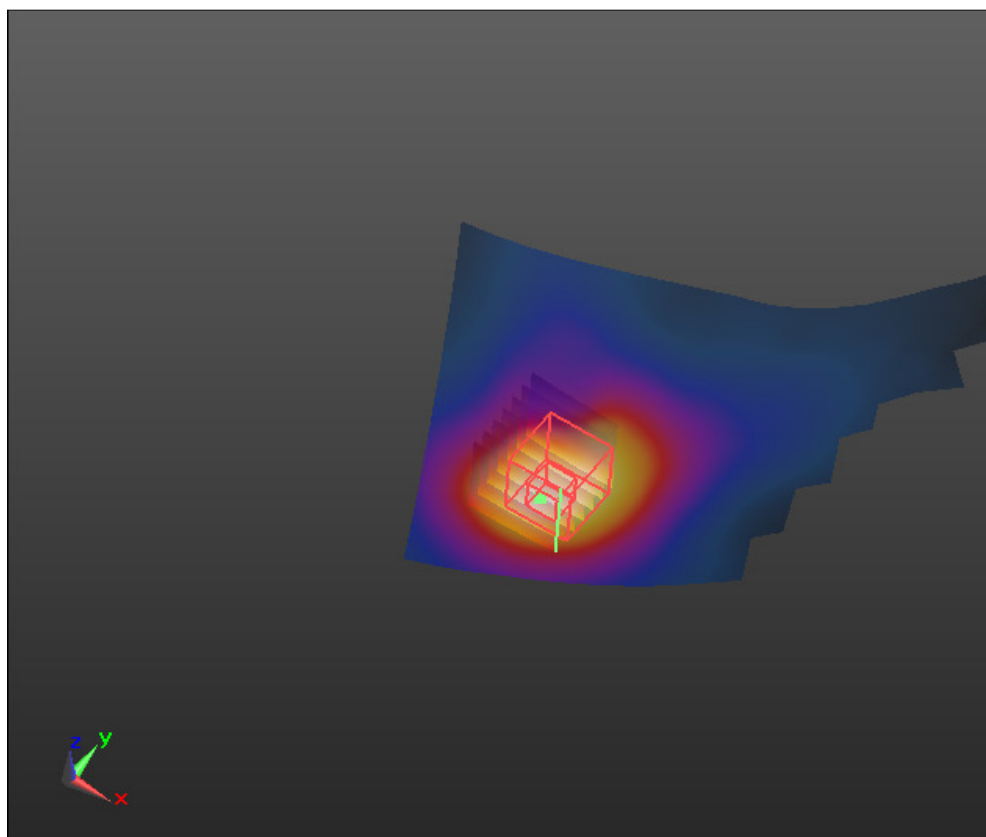
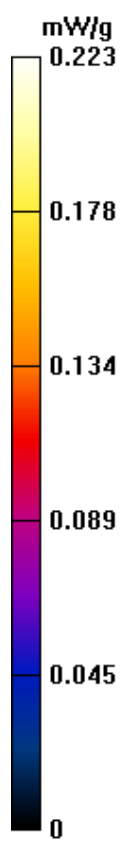
Reference Value = 11.099 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.300 mW/g

**SAR(1 g) = 0.213 mW/g; SAR(10 g) = 0.144 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.223 mW/g



Test Laboratory: SGS North America

**73 HSL850, WCDMA Band V, UMTS, RMC 12.2k, Low ch4132, 826.4MHz Right Touch**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 826.4 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 826.4$  MHz;  $\sigma = 0.869$  mho/m;  $\epsilon_r = 39.892$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

**DASY Configuration:**

- Probe: EX3DV4 - SN3812; ConvF(9.17, 9.17, 9.17); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/HSL850, WCDMA Band II, UMTS, RMC 12.2k, Low ch4132, 826.4MHz, Right Touch/Area Scan (111x191x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.348 mW/g

**Configuration/HSL850, WCDMA Band II, UMTS, RMC 12.2k, Low ch4132, 826.4MHz, Right Touch/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

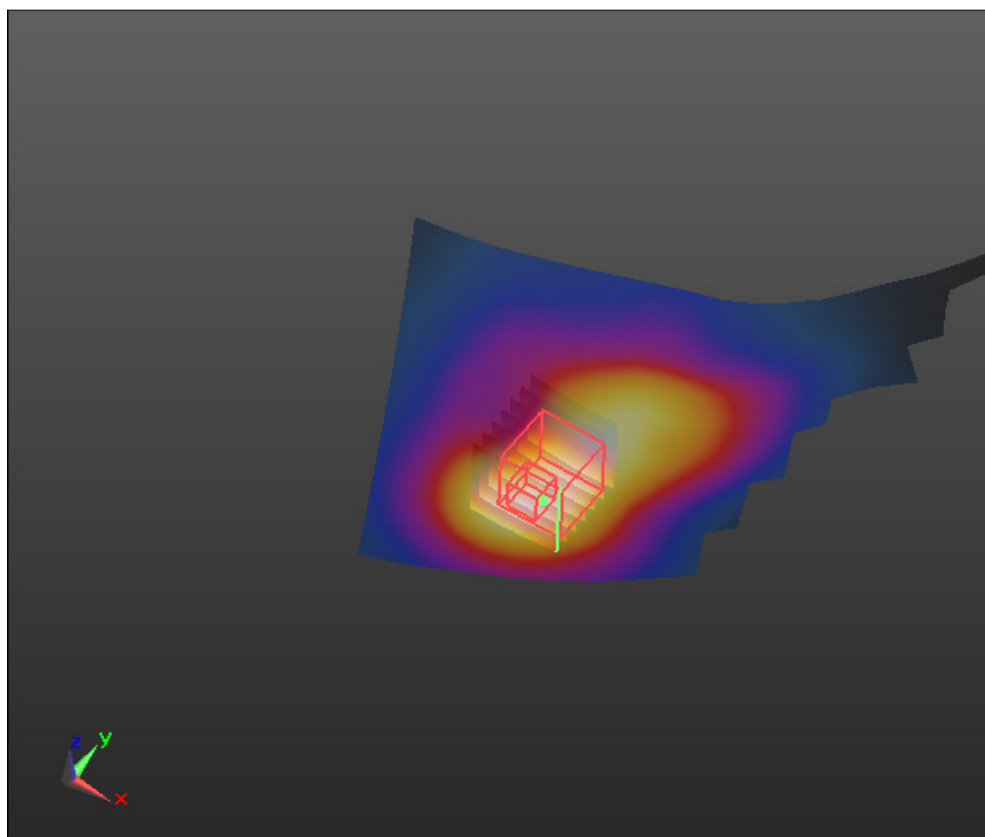
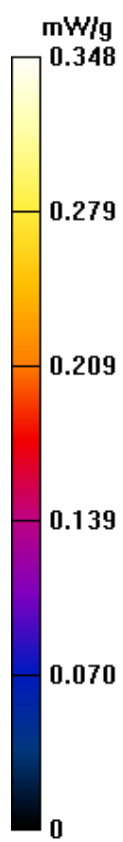
Reference Value = 12.305 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.452 mW/g

**SAR(1 g) = 0.334 mW/g; SAR(10 g) = 0.234 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.347 mW/g



Test Laboratory: SGS North America

**74 HSL850, WCDMA Band V, UMTS, RMC 12.2k, High ch4233, 846.6MHz Right Touch**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 846.6 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 846.6$  MHz;  $\sigma = 0.887$  mho/m;  $\epsilon_r = 39.657$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

**DASY Configuration:**

- Probe: EX3DV4 - SN3812; ConvF(9.17, 9.17, 9.17); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/HSL850, WCDMA Band II, UMTS, RMC 12.2k, High ch4233, 846.6MHz, Right Touch/Area Scan (111x191x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.282 mW/g

**Configuration/HSL850, WCDMA Band II, UMTS, RMC 12.2k, High ch4233, 846.6MHz, Right Touch/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

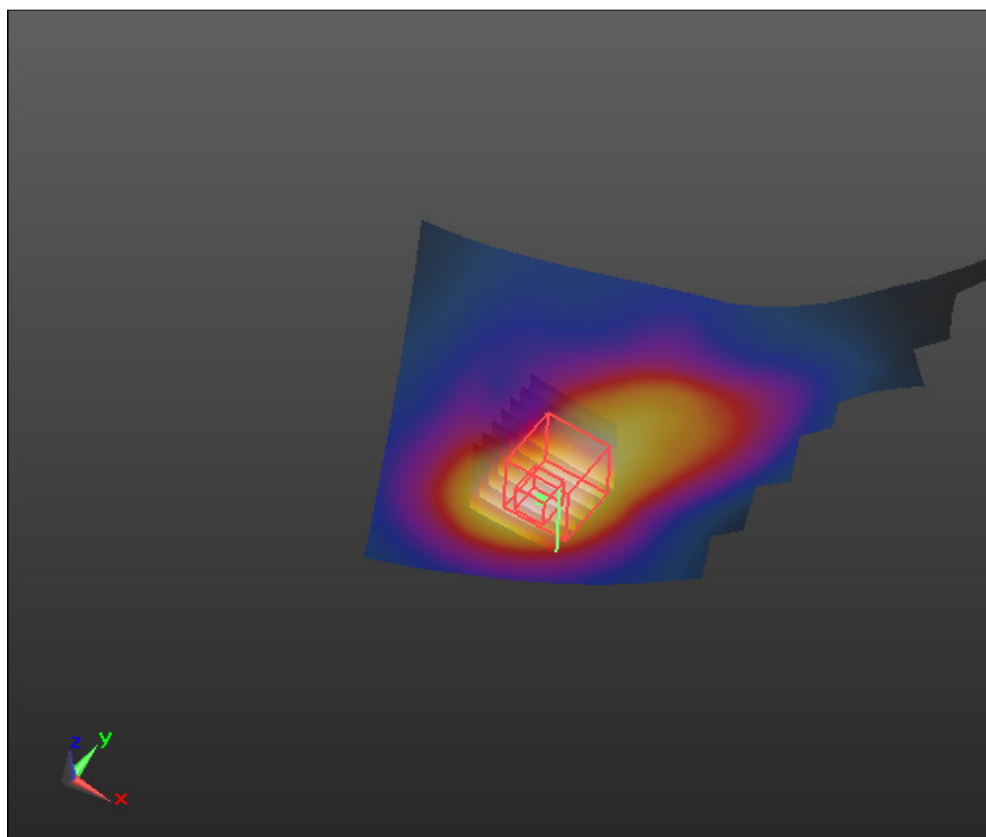
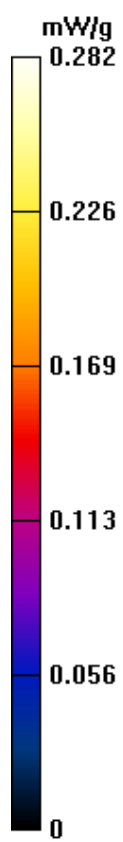
Reference Value = 10.419 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.361 mW/g

**SAR(1 g) = 0.266 mW/g; SAR(10 g) = 0.185 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.280 mW/g



Test Laboratory: SGS North America

**75 HSL850, CDMA 1xRTT, RC3. SO55, Mid ch384, 836.52MHz Left Touch**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 836.52 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 836.52$  MHz;  $\sigma = 0.878$  mho/m;  $\epsilon_r = 39.771$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

**DASY Configuration:**

- Probe: EX3DV4 - SN3812; ConvF(9.17, 9.17, 9.17); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/HSL850, CDMA,1xRTT. RC3. SO55, Mid ch384, 836.52MHz, Left Touch/Area Scan (111x191x1):** Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.236 mW/g

**Configuration/HSL850, CDMA,1xRTT. RC3. SO55, Mid ch384, 836.52MHz, Left Touch/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

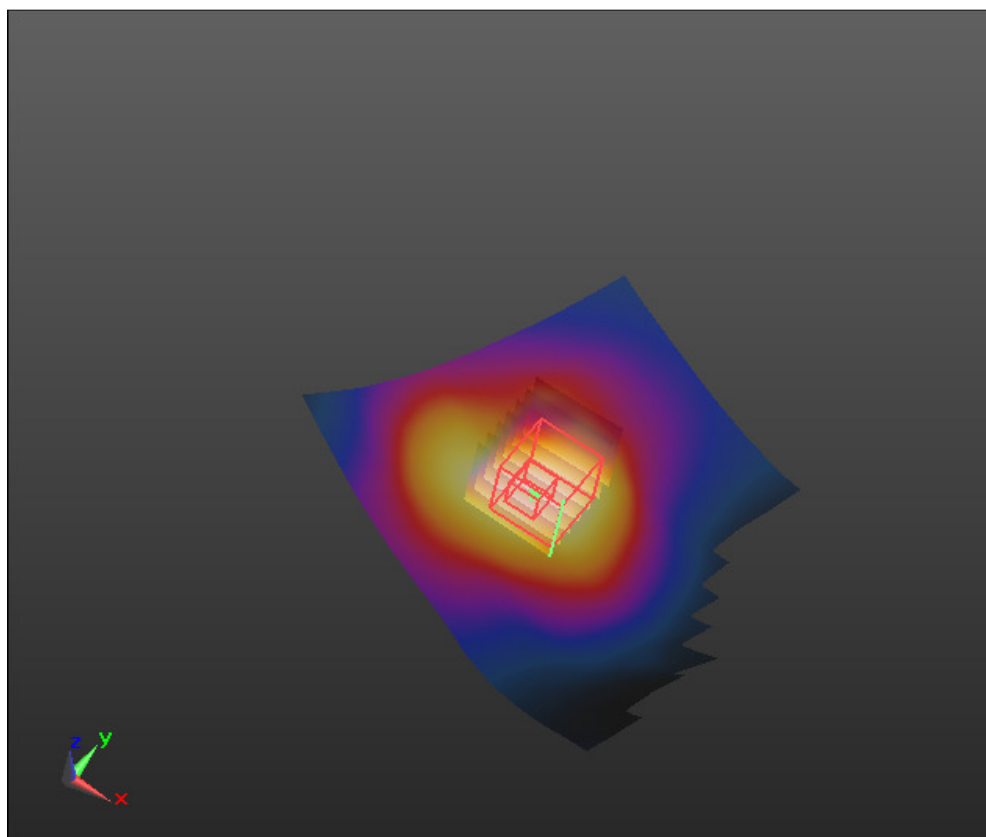
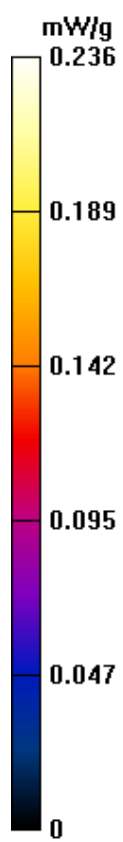
Reference Value = 13.039 V/m; Power Drift = -0.25 dB

Peak SAR (extrapolated) = 0.295 mW/g

**SAR(1 g) = 0.228 mW/g; SAR(10 g) = 0.170 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.236 mW/g



Test Laboratory: SGS North America

**76 HSL850, CDMA 1xRTT, RC3. SO55, Mid ch384, 836.52MHz Left Tilt**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);  
Frequency: 836.52 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 836.52$  MHz;  $\sigma = 0.878$  mho/m;  $\epsilon_r = 39.771$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

**DASY Configuration:**

- Probe: EX3DV4 - SN3812; ConvF(9.17, 9.17, 9.17); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/HSL850, CDMA,1xRTT. RC3. SO55, Mid ch384, 836.52MHz, Left Tilt/Area Scan (111x191x1):** Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.144 mW/g

**Configuration/HSL850, CDMA,1xRTT. RC3. SO55, Mid ch384, 836.52MHz, Left Tilt/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

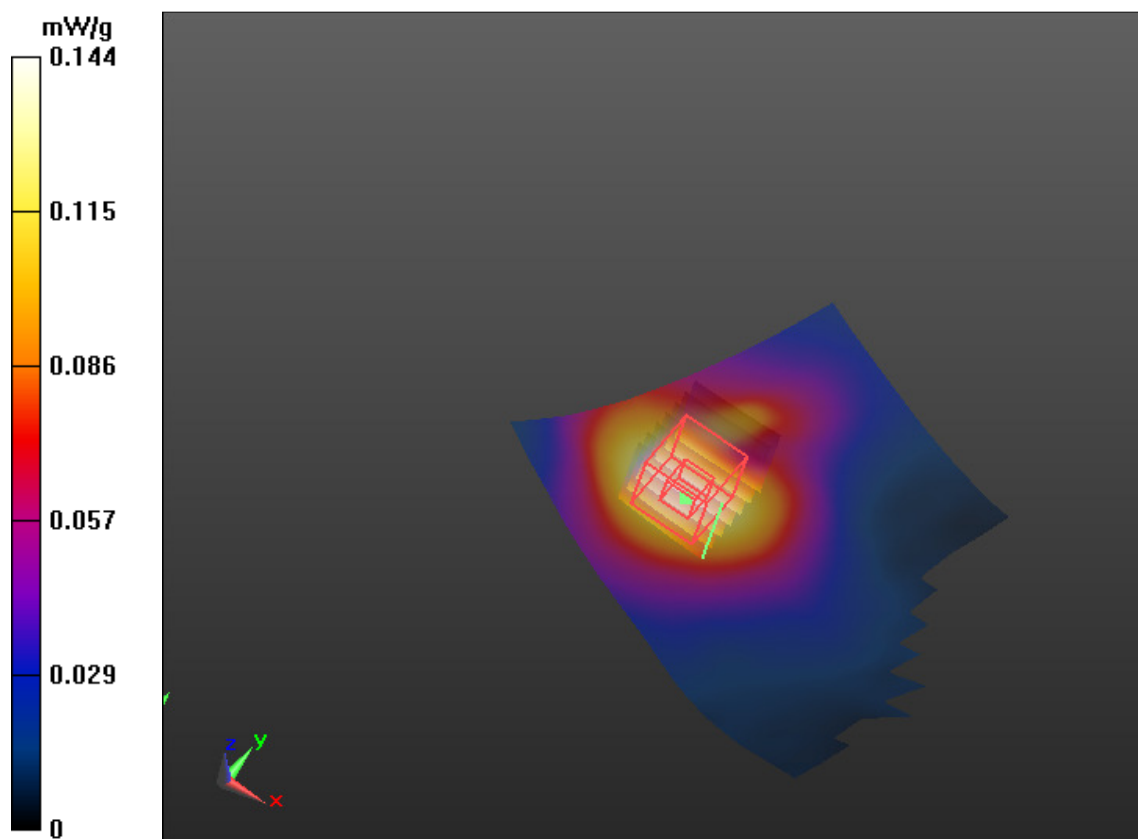
Reference Value = 10.936 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.189 mW/g

**SAR(1 g) = 0.136 mW/g; SAR(10 g) = 0.094 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.141 mW/g



Test Laboratory: SGS North America

**77 HSL850, CDMA 1xRTT, RC3, SO55, Mid ch384, 836.52MHz Right Touch**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);  
Frequency: 836.52 MHz; Communication System PAR: 0 dB; PMF: 1  
Medium parameters used (interpolated):  $f = 836.52$  MHz;  $\sigma = 0.878$  mho/m;  $\epsilon_r = 39.771$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section  
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

**DASY Configuration:**

- Probe: EX3DV4 - SN3812; ConvF(9.17, 9.17, 9.17); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/HSL850, CDMA 1xRTT, RC3, SO55, Mid ch384, 836.52MHz, Right Touch/Area Scan (111x191x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

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

**Configuration/HSL850, CDMA 1xRTT, RC3, SO55, Mid ch384, 836.52MHz, Right Touch/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

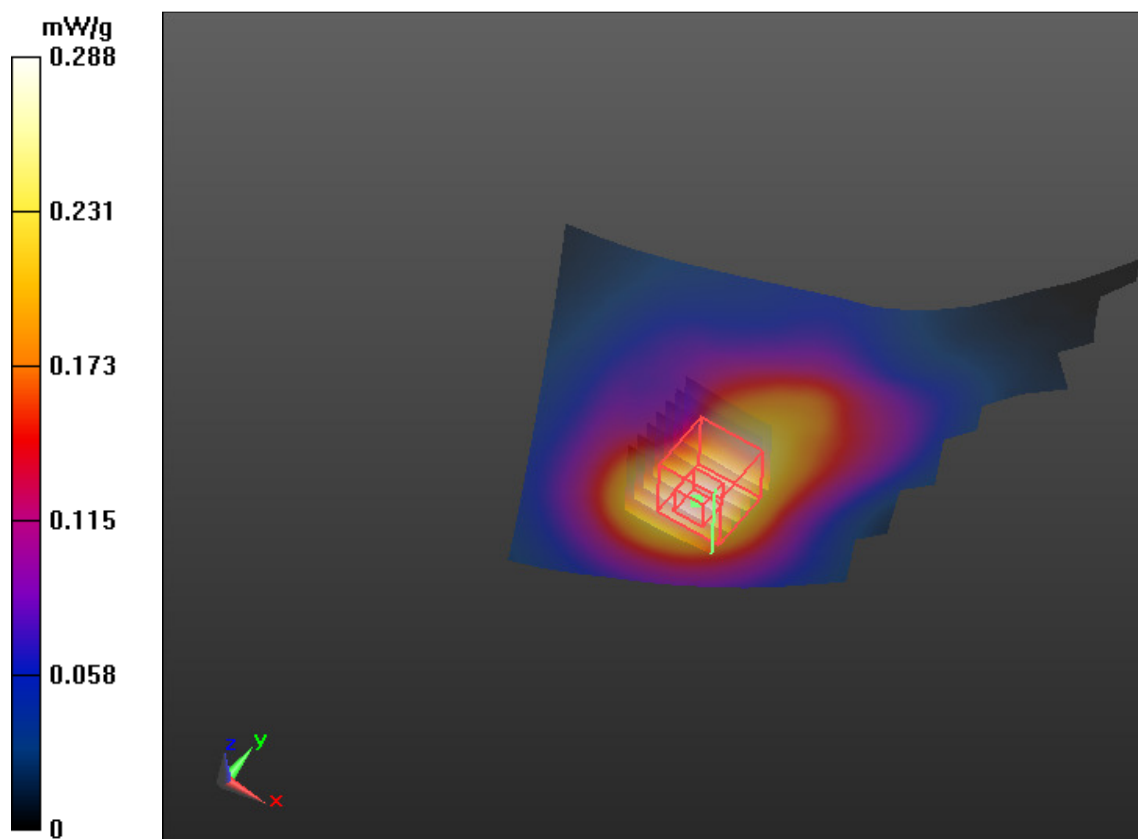
Reference Value = 10.652 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.368 mW/g

**SAR(1 g) = 0.274 mW/g; SAR(10 g) = 0.190 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.287 mW/g



Test Laboratory: SGS North America

**78 HSL850, CDMA 1xRTT, RC3, SO55, Mid ch384, 836.52MHz Right Tilt**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);  
Frequency: 836.52 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 836.52$  MHz;  $\sigma = 0.878$  mho/m;  $\epsilon_r = 39.771$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

**DASY Configuration:**

- Probe: EX3DV4 - SN3812; ConvF(9.17, 9.17, 9.17); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/HSL850, CDMA 1xRTT, RC3, SO55, Mid ch384, 836.52MHz, Right Tilt/Area Scan (111x191x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.232 mW/g

**Configuration/HSL850, CDMA 1xRTT, RC3, SO55, Mid ch384, 836.52MHz, Right Tilt/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

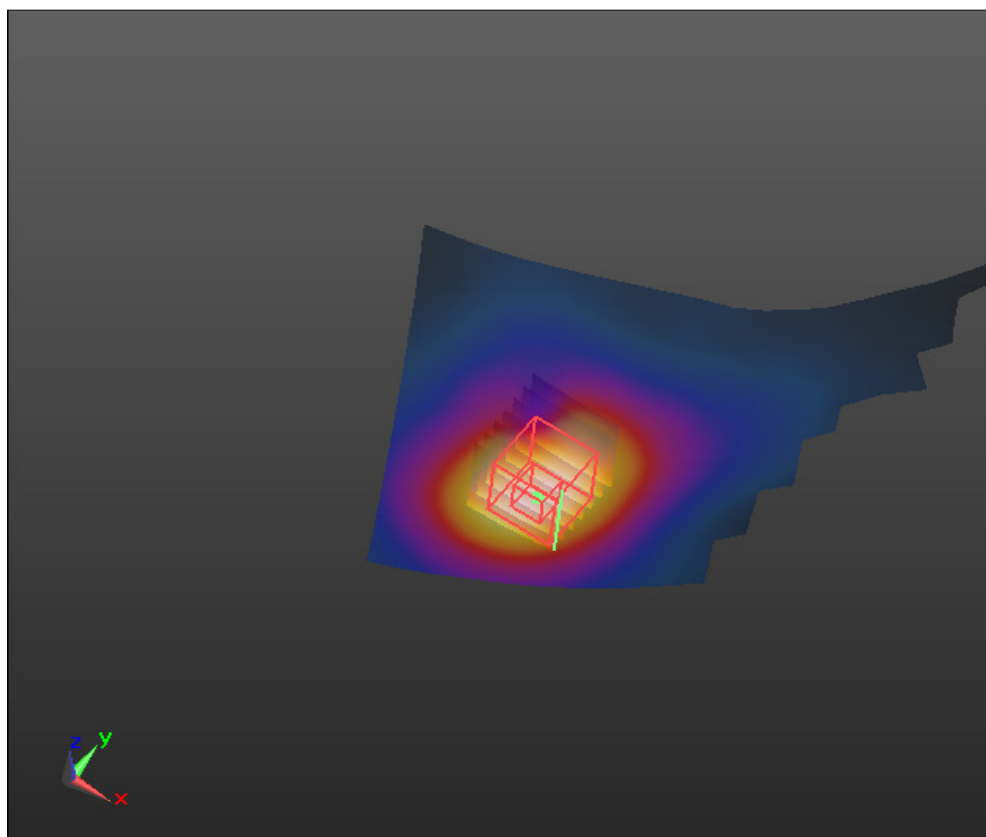
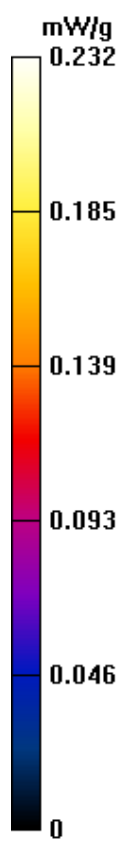
Reference Value = 11.073 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.305 mW/g

**SAR(1 g) = 0.223 mW/g; SAR(10 g) = 0.154 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.233 mW/g



Test Laboratory: SGS North America

**79 HSL850, CDMA 1xRTT, RC3, SO55, Low ch1013, 824.70MHz Right Touch**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 824.7 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 824.7$  MHz;  $\sigma = 0.867$  mho/m;  $\epsilon_r = 39.912$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

**DASY Configuration:**

- Probe: EX3DV4 - SN3812; ConvF(9.17, 9.17, 9.17); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/HSL850, CDMA 1xRTT, RC3, SO55, Low ch1013, 824.70MHz, Right Touch/Area Scan (111x191x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.335 mW/g

**Configuration/HSL850, CDMA 1xRTT, RC3, SO55, Low ch1013, 824.70MHz, Right Touch/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

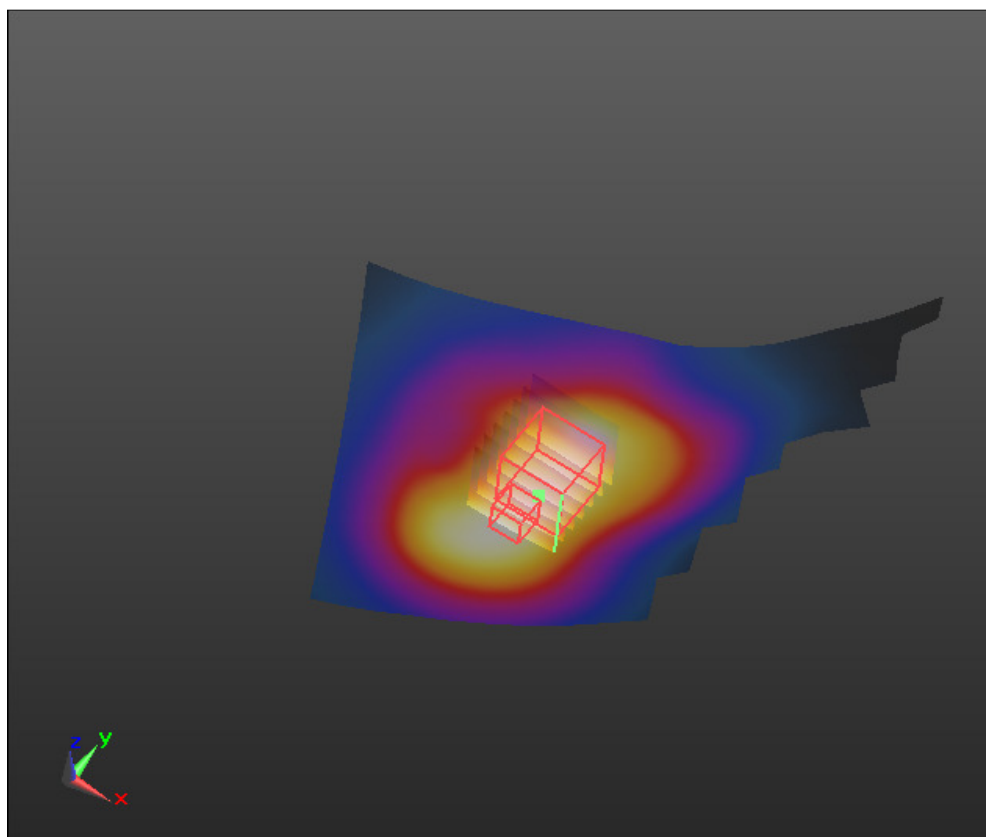
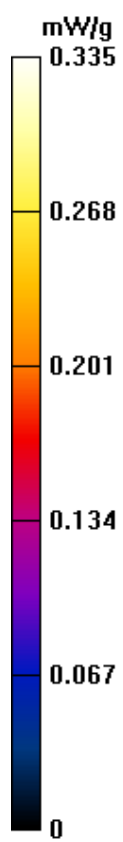
Reference Value = 13.766 V/m; Power Drift = -0.23 dB

Peak SAR (extrapolated) = 0.436 mW/g

**SAR(1 g) = 0.325 mW/g; SAR(10 g) = 0.242 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.337 mW/g



Test Laboratory: SGS North America

**80 HSL850, CDMA 1xRTT, RC3. SO55, High ch777, 848.31MHz Right Touch**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 848.31 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 848.31$  MHz;  $\sigma = 0.889$  mho/m;  $\epsilon_r = 39.638$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

**DASY Configuration:**

- Probe: EX3DV4 - SN3812; ConvF(9.17, 9.17, 9.17); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/HSL850, CDMA 1xRTT, RC3, SO55, Low ch1013, 824.70MHz, Right Touch/Area Scan (111x191x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.272 mW/g

**Configuration/HSL850, CDMA 1xRTT, RC3, SO55, Low ch1013, 824.70MHz, Right Touch/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

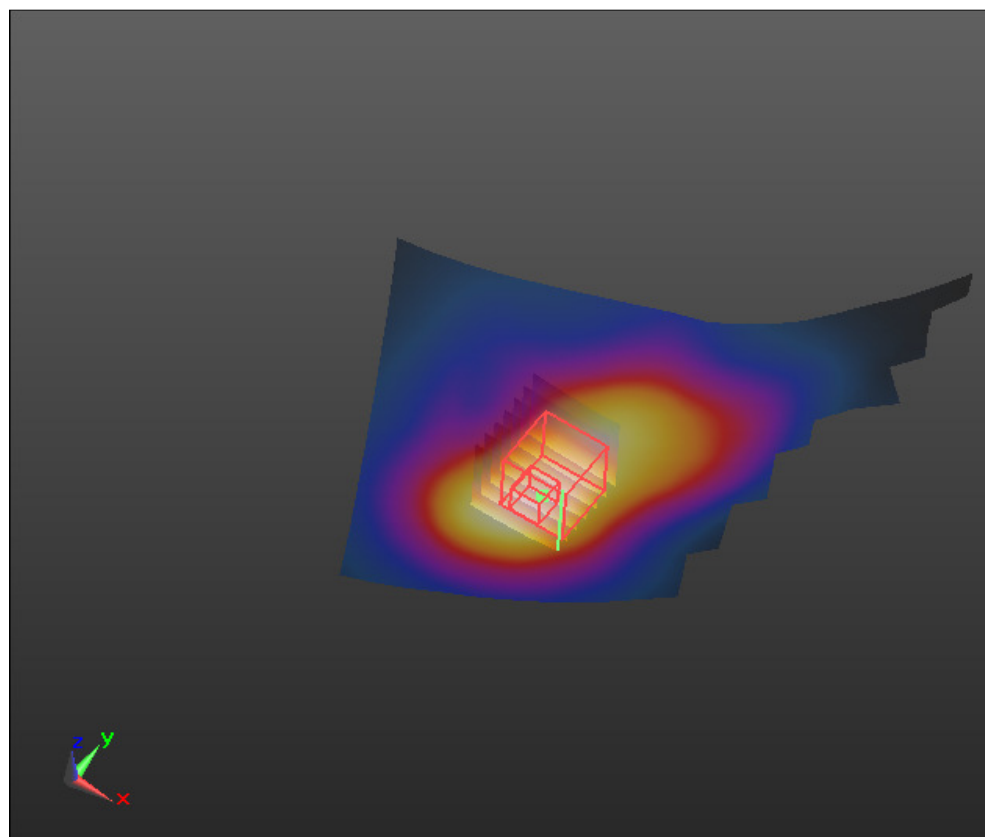
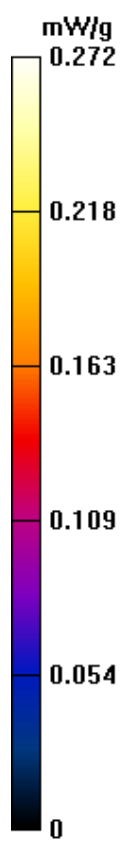
Reference Value = 10.659 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.350 mW/g

**SAR(1 g) = 0.260 mW/g; SAR(10 g) = 0.185 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.275 mW/g



Test Laboratory: SGS North America

**81 HSL, GPRS850, VoIP, Low ch128, 824.2MHz Right Touch w 3900mAh**

**DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz); Frequency: 824.2 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104  
Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.867$  mho/m;  $\epsilon_r = 39.919$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(9.17, 9.17, 9.17); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/HSL, GPRS850, VoIP, Low ch128, 824.2MHz, Right Touch w 3900mAh/Area Scan (111x191x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.553 mW/g

**Configuration/HSL, GPRS850, VoIP, Low ch128, 824.2MHz, Right Touch w 3900mAh/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

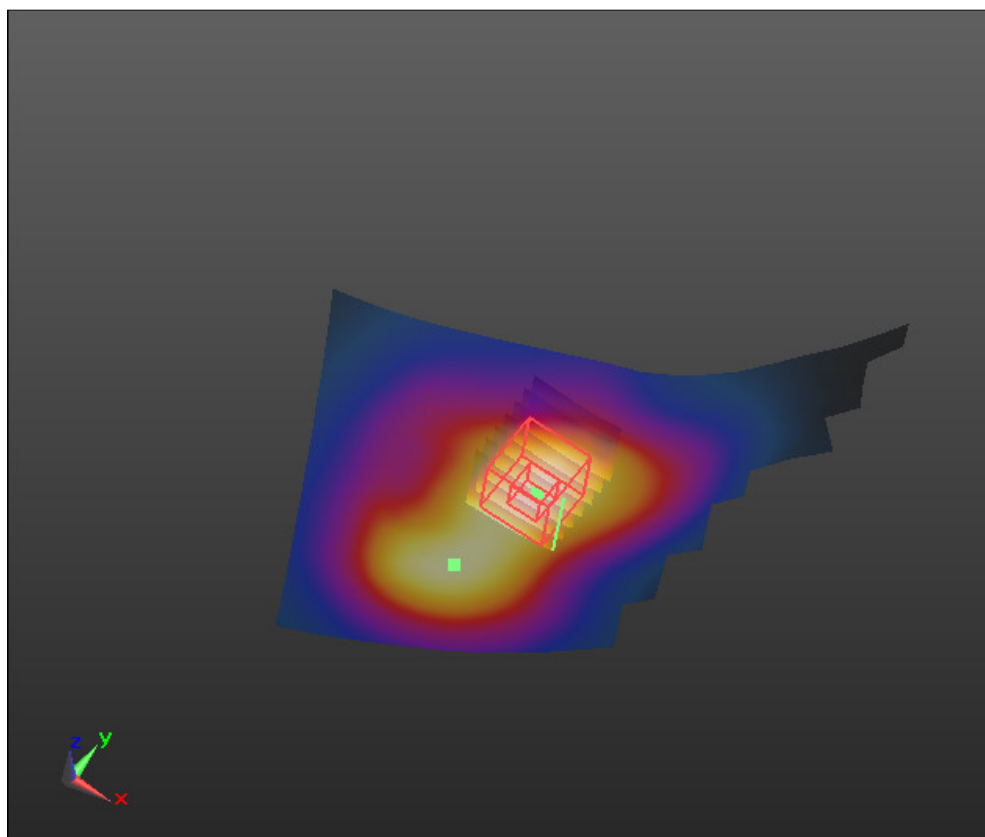
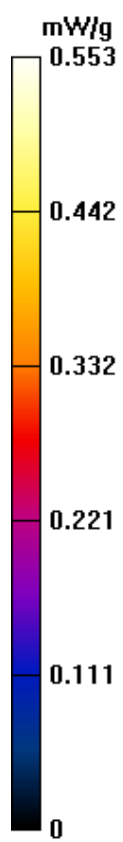
Reference Value = 16.478 V/m; Power Drift = 0.32 dB

Peak SAR (extrapolated) = 0.684 mW/g

**SAR(1 g) = 0.536 mW/g; SAR(10 g) = 0.398 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.551 mW/g



Test Laboratory: SGS North America

**82 HSL,GSM1900, Voice, GMSK, Mid ch661, 1880MHz Left Touch**

**DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1880 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.438$  mho/m;  $\epsilon_r = 38.793$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(8.18, 8.18, 8.18); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/HSL1900, GSM1900, Voice, GMSK, Mid ch661, 1880MHz, Left Touch/Area Scan (111x191x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.0548 mW/g

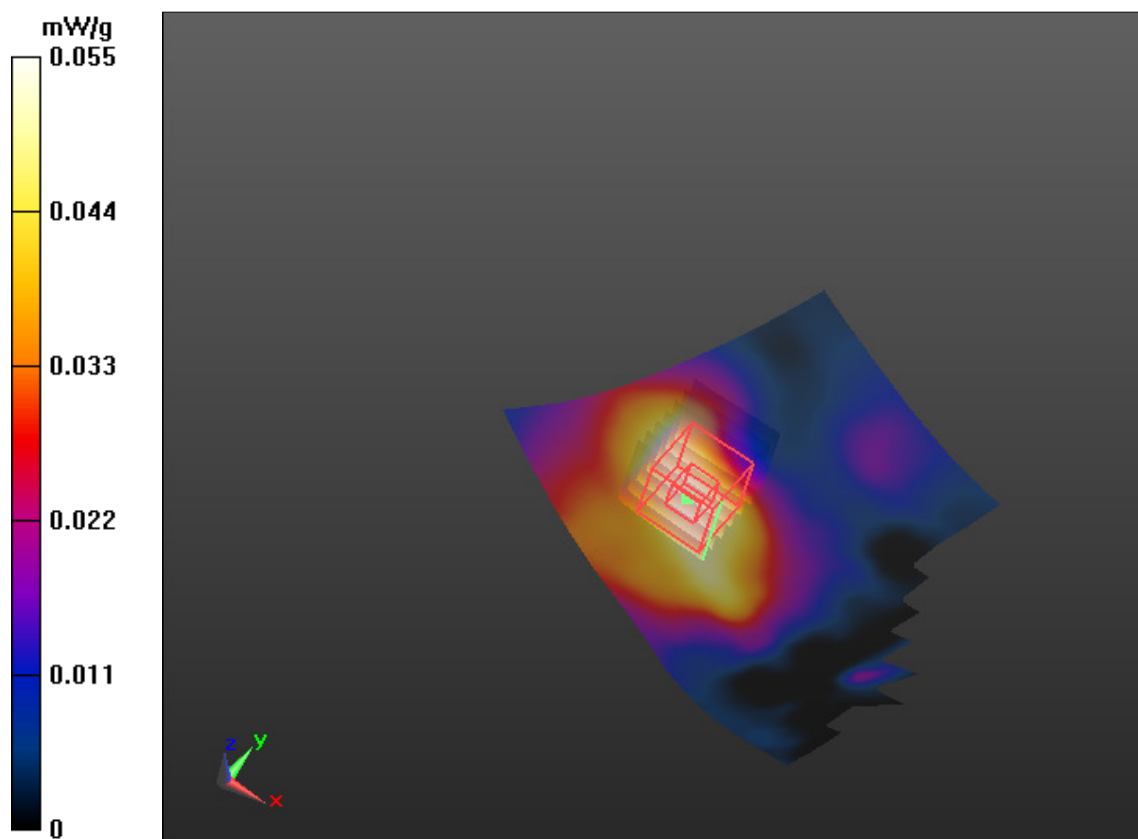
**Configuration/HSL1900, GSM1900, Voice, GMSK, Mid ch661, 1880MHz, Left Touch/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 5.368 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.074 mW/g

**SAR(1 g) = 0.050 mW/g; SAR(10 g) = 0.033 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.0542 mW/g



Test Laboratory: SGS North America

**83 HSL,GSM1900, Voice, GMSK, Mid ch661, 1880MHz Left Tilt**

**DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1880 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.438$  mho/m;  $\epsilon_r = 38.793$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(8.18, 8.18, 8.18); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/HSL1900, GSM1900, Voice, GMSK, Mid ch661, 1880MHz, Left Tilt/Area Scan (111x191x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.0704 mW/g

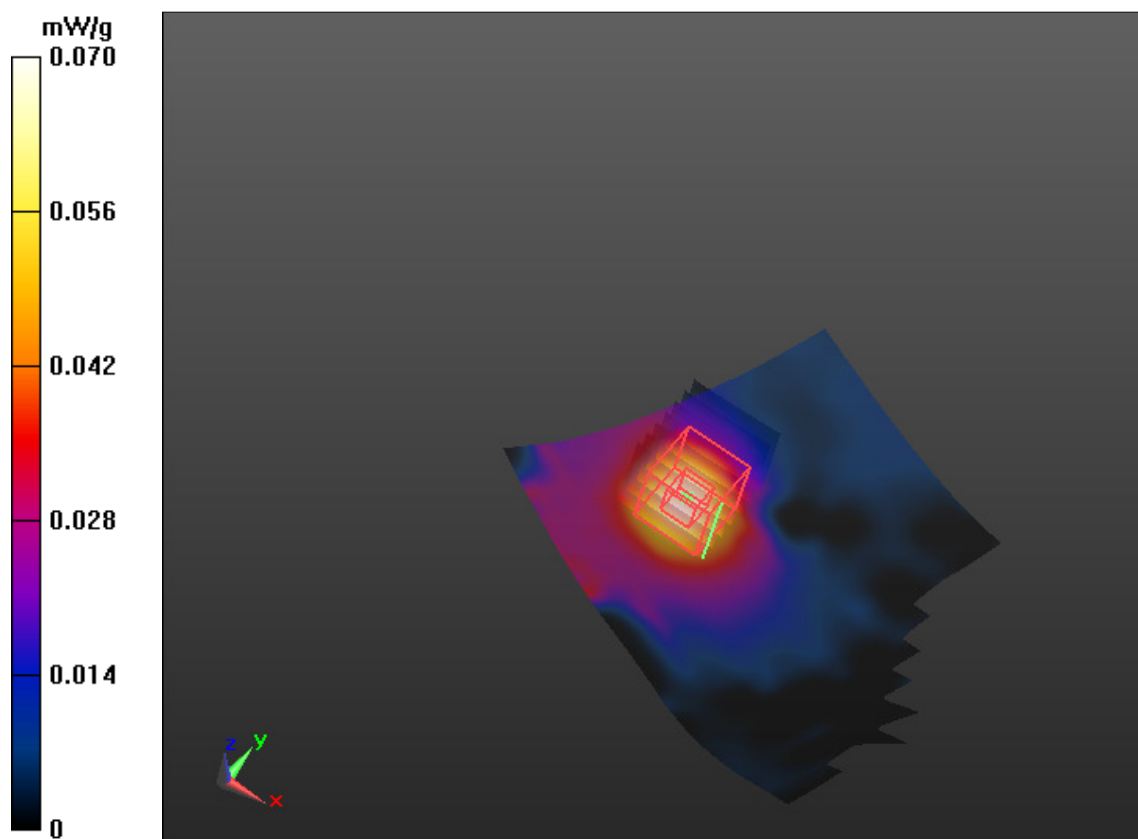
**Configuration/HSL1900, GSM1900, Voice, GMSK, Mid ch661, 1880MHz, Left Tilt/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 6.193 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.101 mW/g

**SAR(1 g) = 0.065 mW/g; SAR(10 g) = 0.039 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.0716 mW/g



Test Laboratory: SGS North America

## **84 HSL,GSM1900, Voice, GMSK, Mid ch661, 1880MHz Right Touch**

### **DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1880 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.438$  mho/m;  $\epsilon_r = 38.793$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

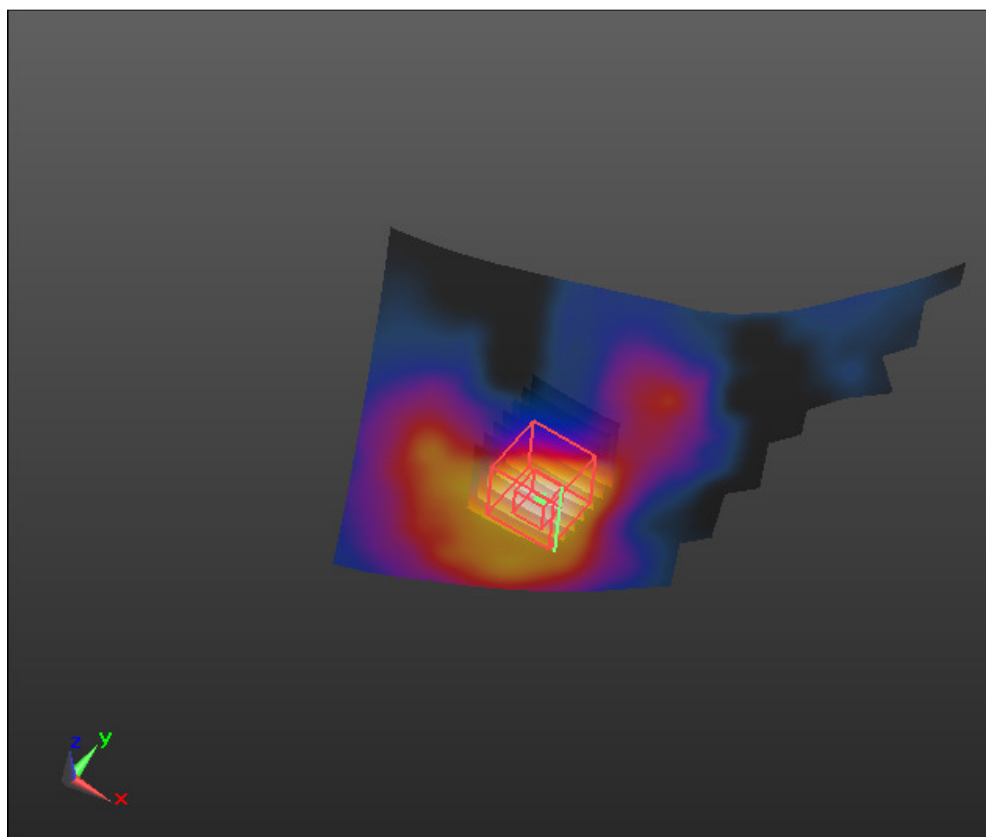
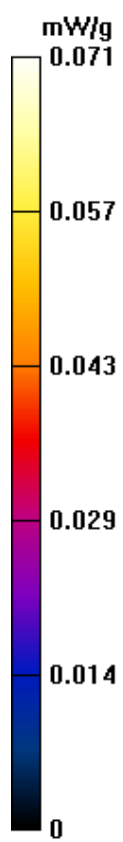
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(8.18, 8.18, 8.18); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/HSL, GSM1900, Voice, GMSK, Mid ch661, 1880MHz, Right Touch/Area Scan (111x191x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm  
Maximum value of SAR (interpolated) = 0.0713 mW/g

**Configuration/HSL, GSM1900, Voice, GMSK, Mid ch661, 1880MHz, Right Touch/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm  
Reference Value = 4.252 V/m; Power Drift = 0.36 dB  
Peak SAR (extrapolated) = 0.100 mW/g  
**SAR(1 g) = 0.067 mW/g; SAR(10 g) = 0.043 mW/g** (SAR corrected for target medium)  
Maximum value of SAR (measured) = 0.0716 mW/g



Test Laboratory: SGS North America

**85 HSL,GSM1900, Voice, GMSK, Mid ch661, 1880MHz Right Tilt**

**DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1880 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.438$  mho/m;  $\epsilon_r = 38.793$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

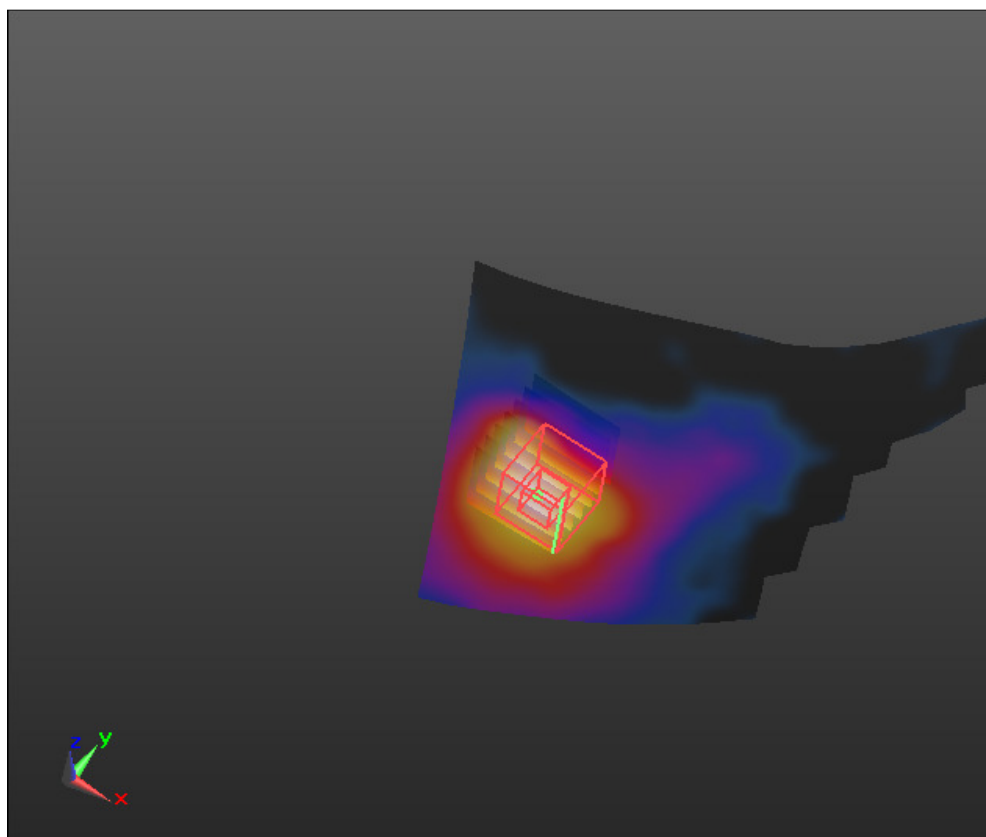
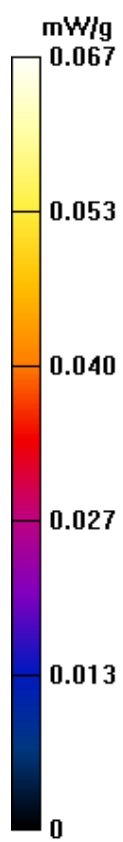
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(8.18, 8.18, 8.18); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/HSL, GSM1900, Voice, GMSK, Mid ch661, 1880MHz, Right Tilt/Area Scan (111x191x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm  
Maximum value of SAR (interpolated) = 0.0667 mW/g

**Configuration/HSL, GSM1900, Voice, GMSK, Mid ch661, 1880MHz, Right Tilt/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm  
Reference Value = 5.976 V/m; Power Drift = -0.01 dB  
Peak SAR (extrapolated) = 0.100 mW/g  
**SAR(1 g) = 0.066 mW/g; SAR(10 g) = 0.042 mW/g** (SAR corrected for target medium)  
Maximum value of SAR (measured) = 0.0710 mW/g



Test Laboratory: SGS North America

**86 HSL,GSM1900, Voice, GMSK, Low ch512, 1850.2MHz Right Touch**

**DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1850.2 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.409$  mho/m;  $\epsilon_r = 38.922$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(8.18, 8.18, 8.18); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/HSL, GSM1900, Voice, GMSK, Low ch512, 1850.2MHz, Right Touch/Area Scan (111x191x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.115 mW/g

**Configuration/HSL, GSM1900, Voice, GMSK, Low ch512, 1850.2MHz, Right Touch/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

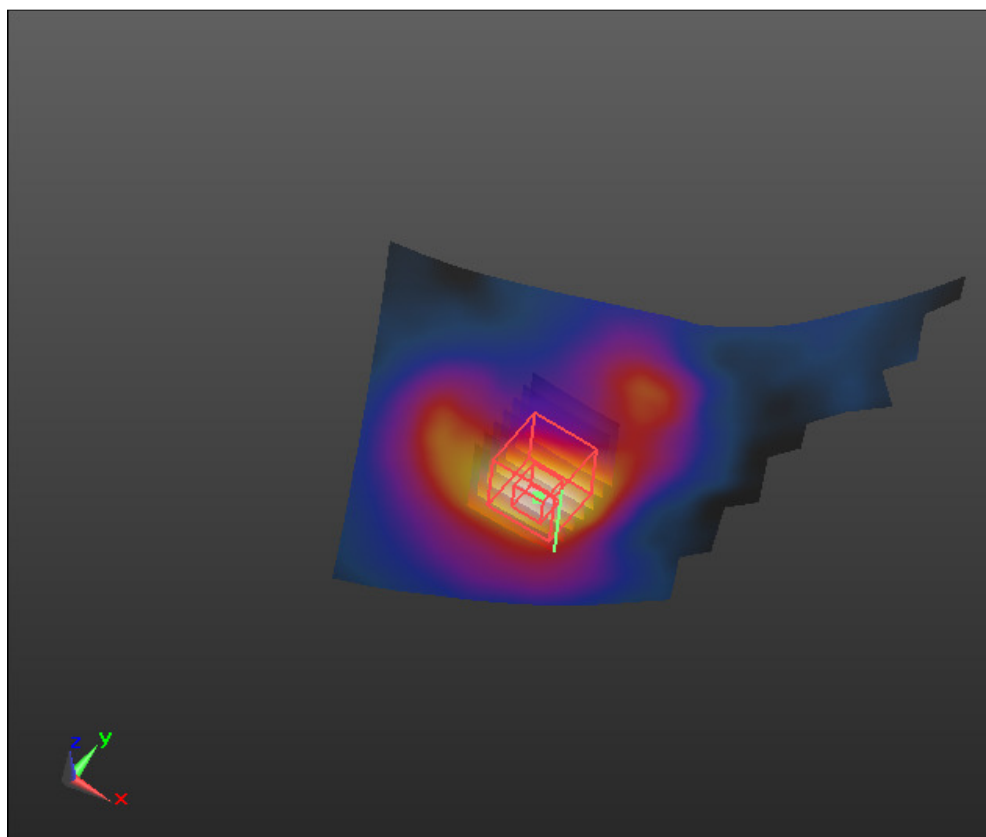
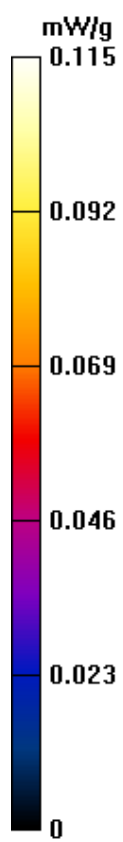
Reference Value = 6.911 V/m; Power Drift = -0.24 dB

Peak SAR (extrapolated) = 0.151 mW/g

**SAR(1 g) = 0.104 mW/g; SAR(10 g) = 0.067 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.114 mW/g



Test Laboratory: SGS North America

**87 HSL,GSM1900, Voice, GMSK, High ch810, 1909.8MHz Right Touch**

**DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1909.8 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.467$  mho/m;  $\epsilon_r = 38.672$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

**DASY Configuration:**

- Probe: EX3DV4 - SN3812; ConvF(8.18, 8.18, 8.18); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/HSL, GSM1900, Voice, GMSK, High ch810, 1909.8MHz, Right Touch/Area Scan (111x191x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.0377 mW/g

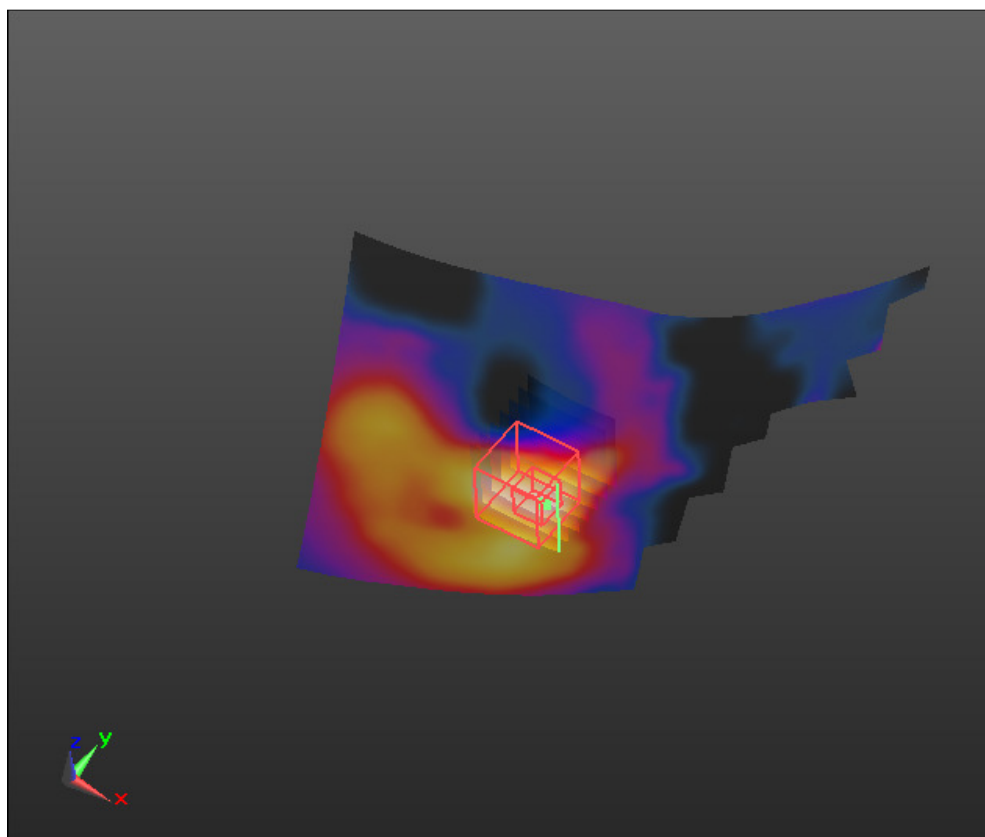
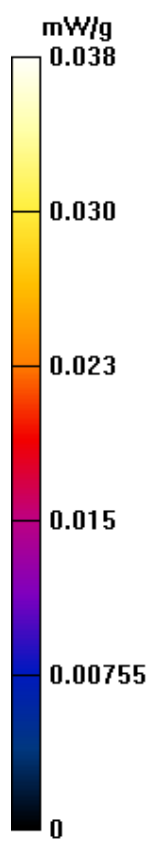
**Configuration/HSL, GSM1900, Voice, GMSK, High ch810, 1909.8MHz, Right Touch/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 3.748 V/m; Power Drift = 0.34 dB

Peak SAR (extrapolated) = 0.051 mW/g

**SAR(1 g) = 0.034 mW/g; SAR(10 g) = 0.022 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.0374 mW/g



Test Laboratory: SGS North America

## **88 HSL,GPRS1900, VoIP, Mid ch661, 1880MHz Left Touch**

### **DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1880 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.438$  mho/m;  $\epsilon_r = 38.733$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(8.18, 8.18, 8.18); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

### **Configuration/HSL1900, GPRS, VoIP, Mid ch661, 1880MHz, Left Touch/Area Scan (111x191x1):**

Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.0752 mW/g

### **Configuration/HSL1900, GPRS, VoIP, Mid ch661, 1880MHz, Left**

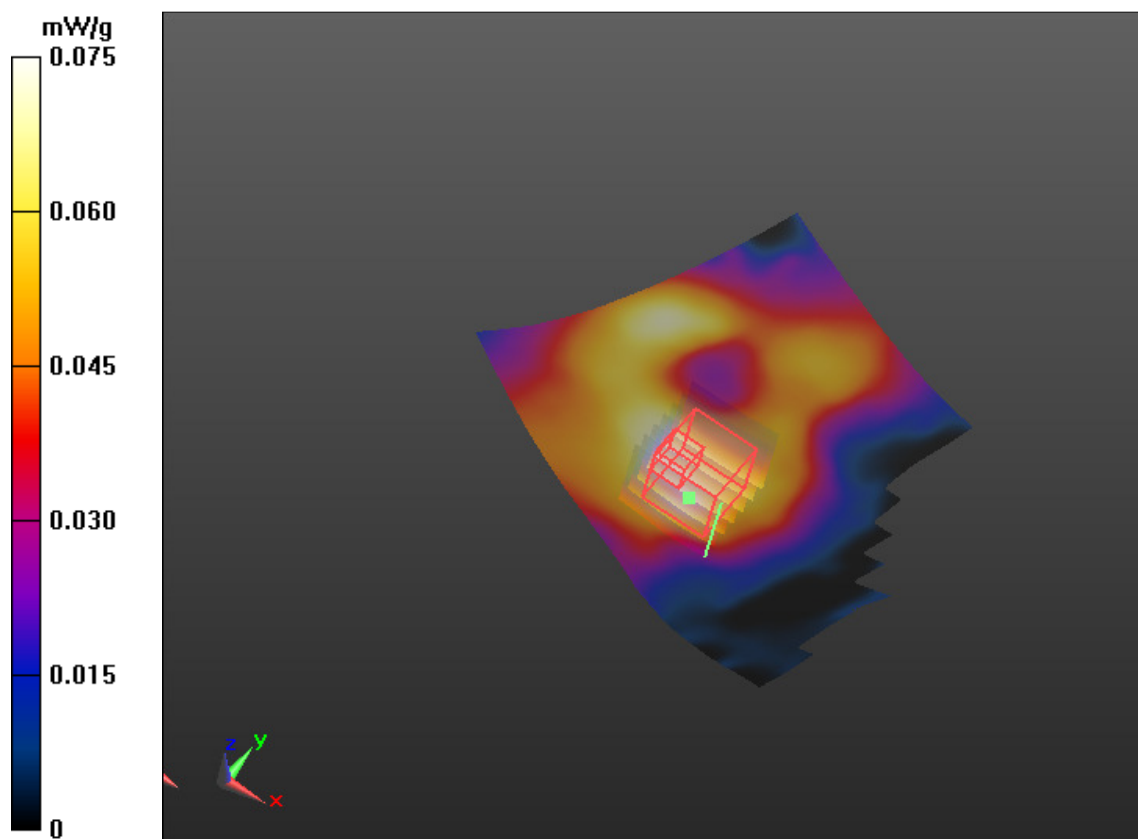
**Touch/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 5.281 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.101 mW/g

**SAR(1 g) = 0.068 mW/g; SAR(10 g) = 0.044 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.0741 mW/g



Test Laboratory: SGS North America

**89 HSL,GPRS1900, VoIP, Mid ch661, 1880MHz Left Tilt**

**DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1880 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.438$  mho/m;  $\epsilon_r = 38.733$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(8.18, 8.18, 8.18); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/HSL1900, GPRS, VoIP, Mid ch661, 1880MHz, Left Tilt/Area**

**Scan (111x191x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.0875 mW/g

**Configuration/HSL1900, GPRS, VoIP, Mid ch661, 1880MHz, Left Tilt/Zoom**

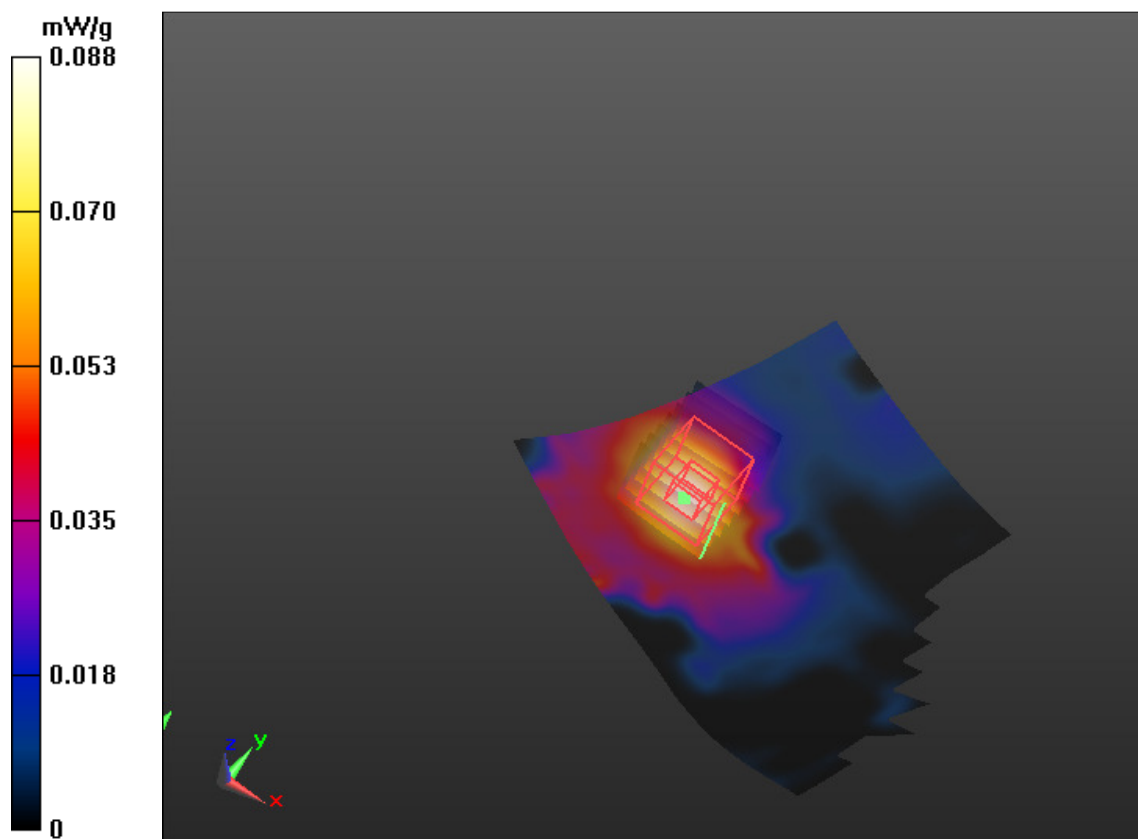
**Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 6.854 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.116 mW/g

**SAR(1 g) = 0.078 mW/g; SAR(10 g) = 0.049 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.0857 mW/g



Test Laboratory: SGS North America

**90 HSL,GPRS1900, VoIP, Mid ch661, 1880MHz Right Touch**

**DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1880 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.432$  mho/m;  $\epsilon_r = 38.87$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(8.18, 8.18, 8.18); Calibrated: 12/12/2012;
  -
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/HSL, GPRS1900, VoIP, Mid ch661, 1880MHz, Right Touch/Area Scan (111x191x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.142 mW/g

**Configuration/HSL, GPRS1900, VoIP, Mid ch661, 1880MHz, Right**

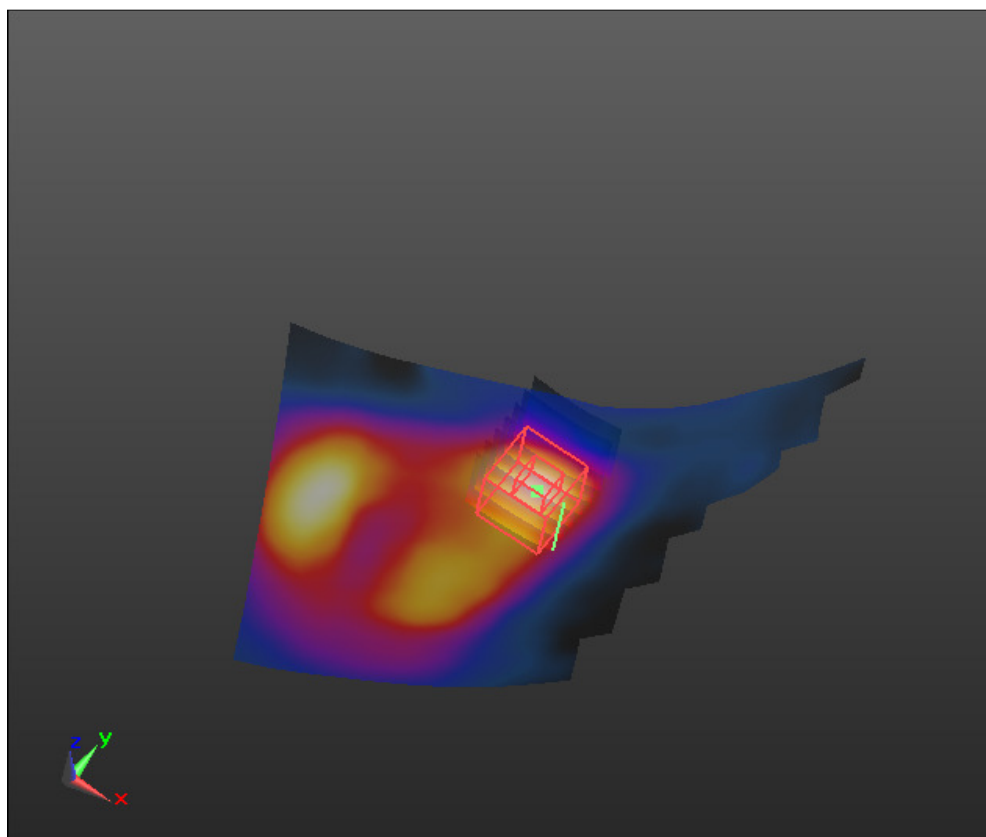
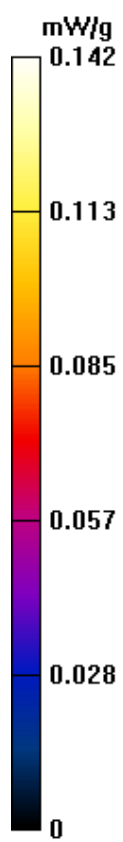
**Touch/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 6.147 V/m; Power Drift = 0.39 dB

Peak SAR (extrapolated) = 0.141 mW/g

**SAR(1 g) = 0.089 mW/g; SAR(10 g) = 0.055 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.0985 mW/g



Test Laboratory: SGS North America

**91 HSL,GPRS1900, VoIP, Mid ch661, 1880MHz Right Tilt**

**DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1880 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.432$  mho/m;  $\epsilon_r = 38.87$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(8.18, 8.18, 8.18); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/HSL, GPRS1900, VoIP, Mid ch661, 1880MHz, Right Tilt/Area**

**Scan (111x191x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.129 mW/g

**Configuration/HSL, GPRS1900, VoIP, Mid ch661, 1880MHz, Right Tilt/Zoom**

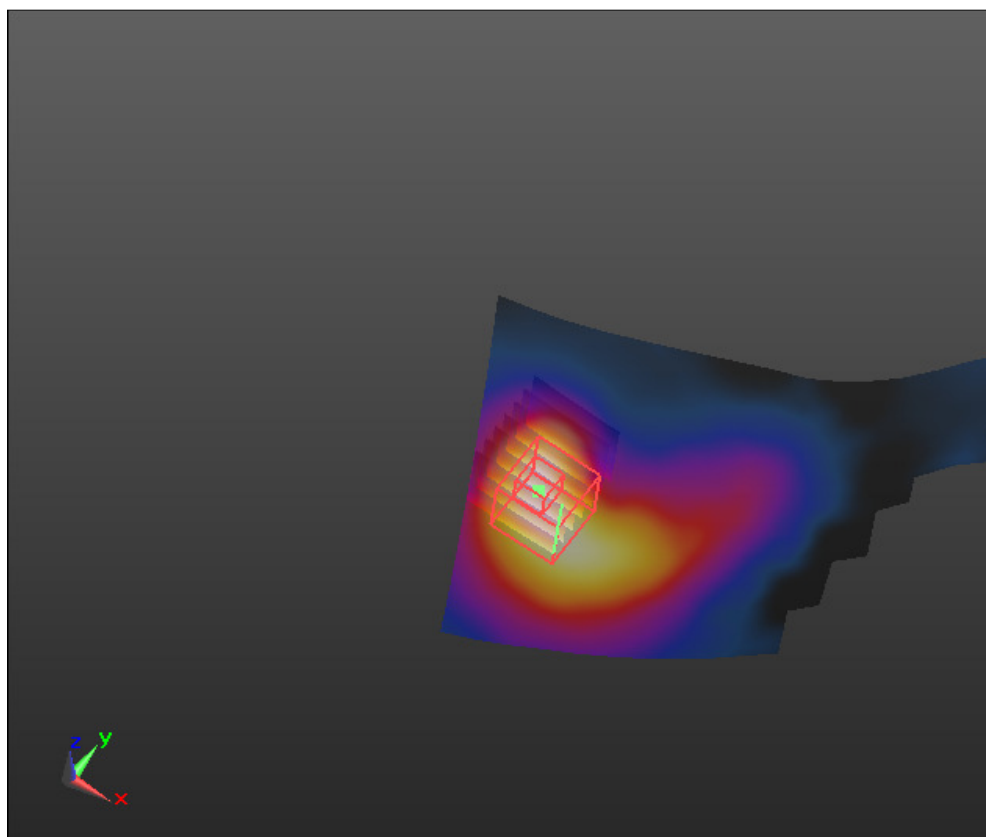
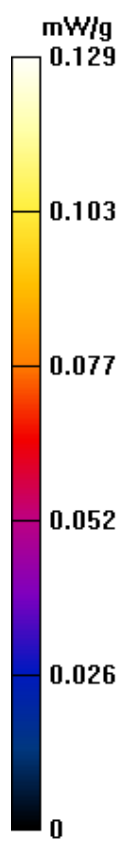
**Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 8.056 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.191 mW/g

**SAR(1 g) = 0.119 mW/g; SAR(10 g) = 0.076 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.131 mW/g



Test Laboratory: SGS North America

**92 HSL,GPRS1900, VoIP, Low ch512, 1850.2MHz Right Tilt**

**DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1850.2 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 38.862$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(8.18, 8.18, 8.18); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/HSL, GPRS1900, VoIP, Low ch512, 1850.2MHz, Right Tilt/Area Scan (111x191x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.149 mW/g

**Configuration/HSL, GPRS1900, VoIP, Low ch512, 1850.2MHz, Right Tilt/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

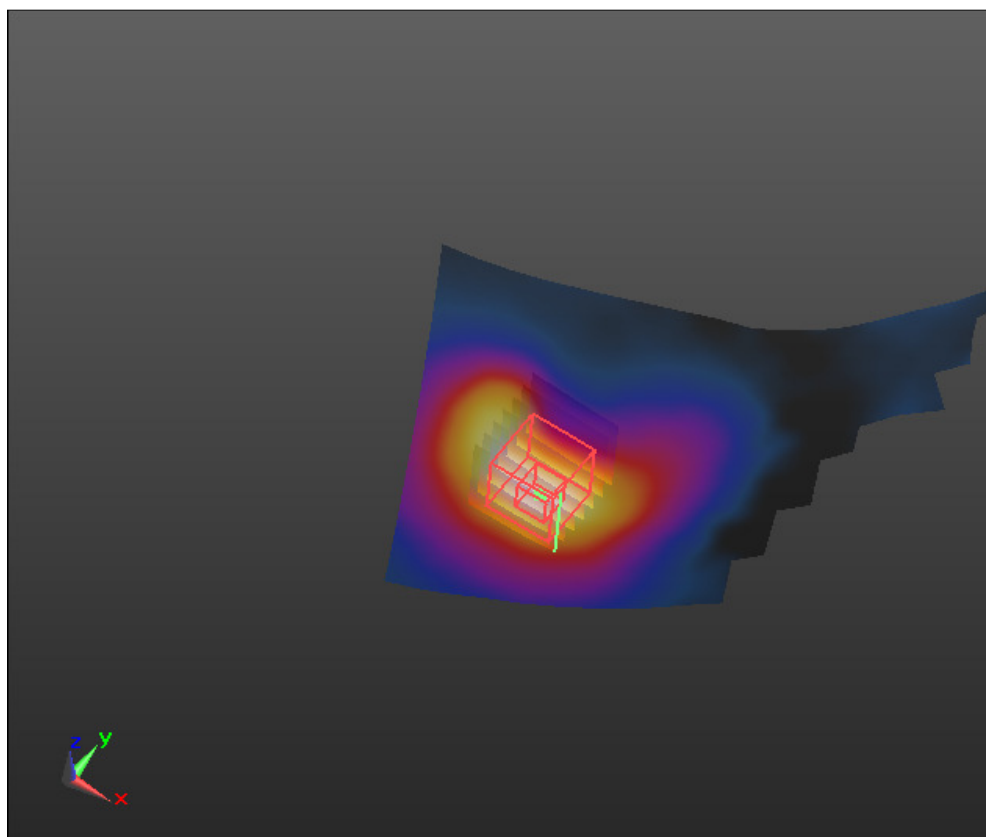
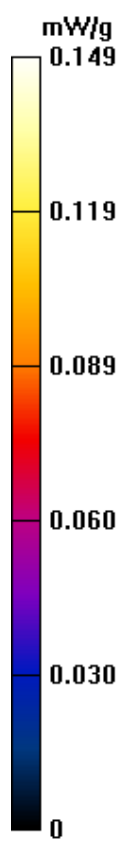
Reference Value = 8.887 V/m; Power Drift = 0.31 dB

Peak SAR (extrapolated) = 0.205 mW/g

**SAR(1 g) = 0.138 mW/g; SAR(10 g) = 0.089 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.150 mW/g



Test Laboratory: SGS North America

**93 HSL,GPRS1900, VoIP, High ch810, 1909.8MHz Right Tilt**

**DUT: Intermec Catalina Handheld PC**

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1909.8 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.466$  mho/m;  $\epsilon_r = 38.603$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

**DASY Configuration:**

- Probe: EX3DV4 - SN3812; ConvF(8.18, 8.18, 8.18); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/HSL, GPRS1900, VoIP, High ch810, 1909.8MHz, Right Tilt/Area Scan (111x191x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.0667 mW/g

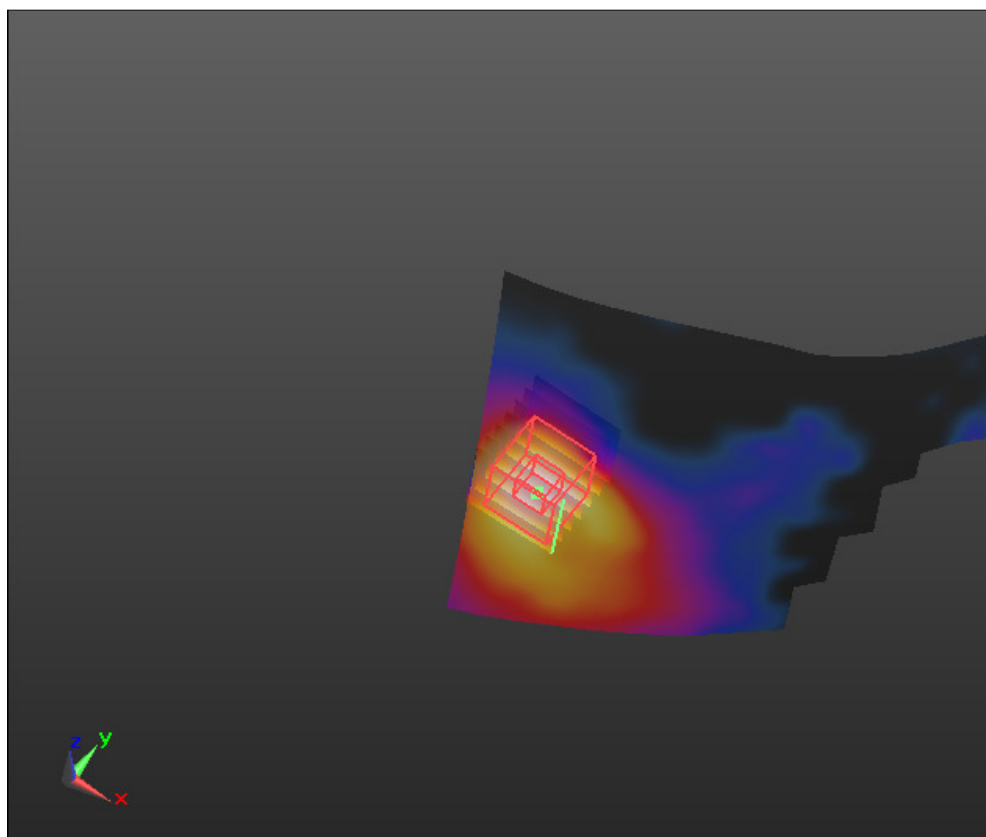
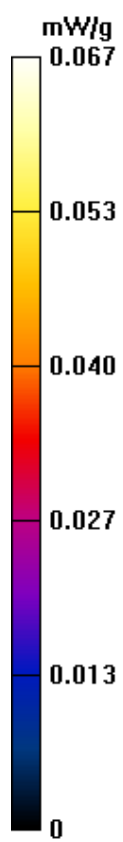
**Configuration/HSL, GPRS1900, VoIP, High ch810, 1909.8MHz, Right Tilt/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 5.677 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.103 mW/g

**SAR(1 g) = 0.062 mW/g; SAR(10 g) = 0.038 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.0675 mW/g



Test Laboratory: SGS North America

**94 HSL19000, WCDMA Band II, UMTS, RMC 12.2k, Mid ch9400, 1880MHz Left Touch**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 1880 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.432$  mho/m;  $\epsilon_r = 38.605$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(8.18, 8.18, 8.18); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/HSL1900, WCDMA BandII, UMTS,RMC 12.2k, Mid ch9400, 1880MHz, Left Touch/Area Scan (111x191x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.0839 mW/g

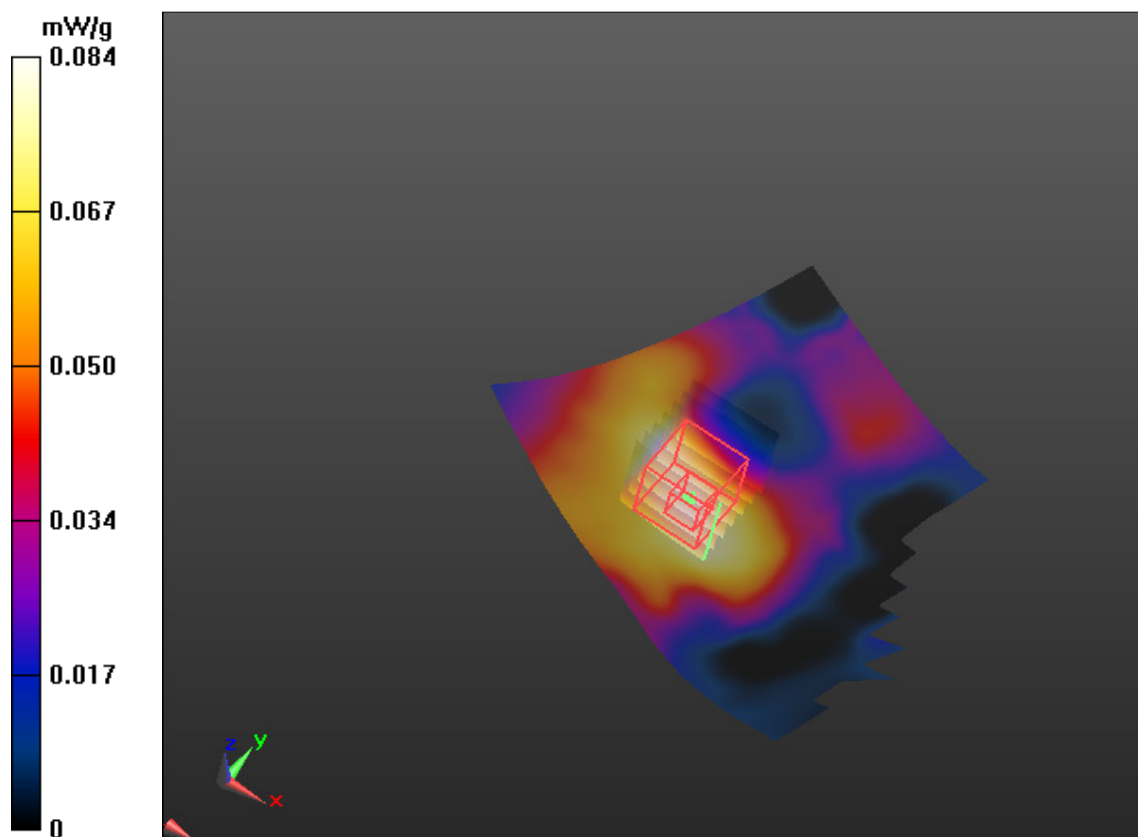
**Configuration/HSL1900, WCDMA BandII, UMTS,RMC 12.2k, Mid ch9400, 1880MHz, Left Touch/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 5.749 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.117 mW/g

**SAR(1 g) = 0.077 mW/g; SAR(10 g) = 0.051 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.0839 mW/g



Test Laboratory: SGS North America

**95 HSL19000, WCDMA Band II, UMTS, RMC 12.2k, Mid ch9400, 1880MHz Left Tilt**

**DUT: Intermec Catalina Handheld PC**

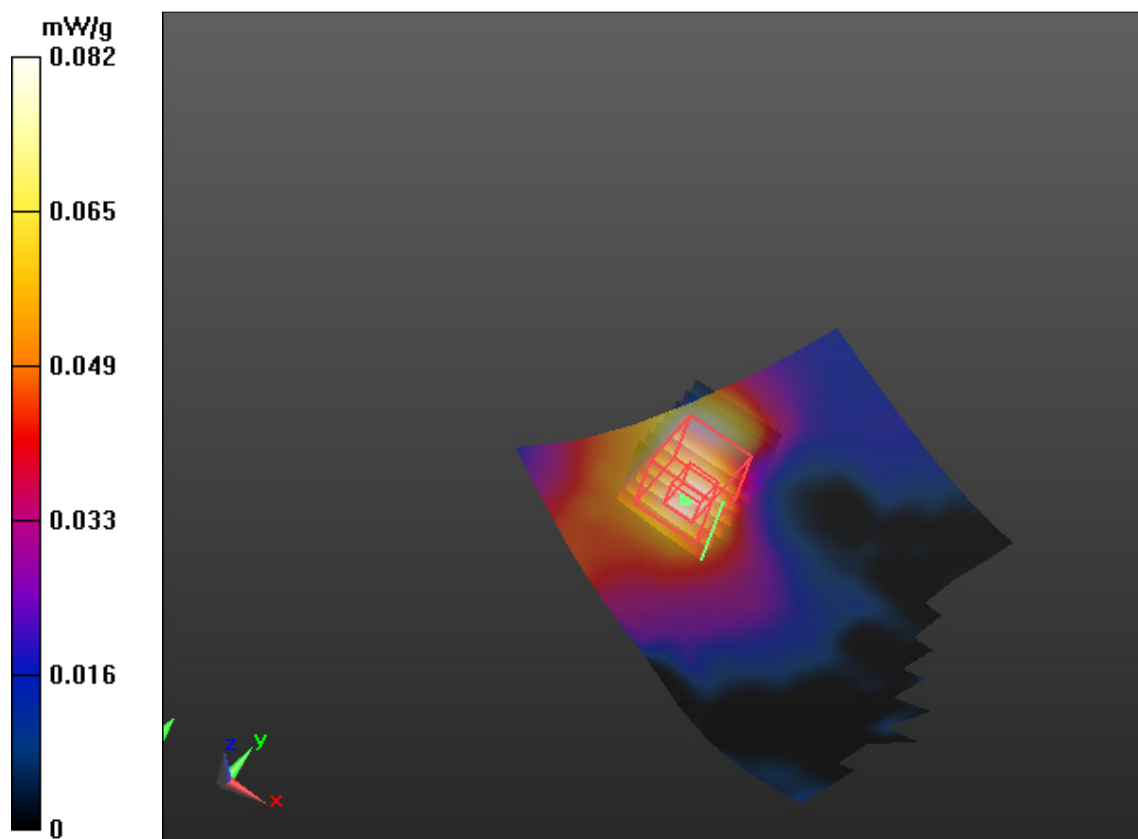
Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);  
Frequency: 1880 MHz; Communication System PAR: 0 dB; PMF: 1  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.432$  mho/m;  $\epsilon_r = 38.605$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section  
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(8.18, 8.18, 8.18); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/HSL1900, WCDMA BandII, UMTS,RMC 12.2k, Mid ch9400, 1880MHz, Left Tilt/Area Scan (111x191x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm  
Maximum value of SAR (interpolated) = 0.0816 mW/g

**Configuration/HSL1900, WCDMA BandII, UMTS,RMC 12.2k, Mid ch9400, 1880MHz, Left Tilt/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm  
Reference Value = 6.693 V/m; Power Drift = 0.30 dB  
Peak SAR (extrapolated) = 0.110 mW/g  
**SAR(1 g) = 0.074 mW/g; SAR(10 g) = 0.047 mW/g** (SAR corrected for target medium)  
Maximum value of SAR (measured) = 0.0794 mW/g



Test Laboratory: SGS North America

**96 HSL19000, WCDMA Band II, UMTS, RMC 12.2k, Mid ch9400, 1880MHz Right Touch**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 1880 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.438$  mho/m;  $\epsilon_r = 38.793$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(8.18, 8.18, 8.18); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/HSL, GSM1900, WCDMA Band II, UMTS, RMC 12.2k, Mid ch9400, 1880MHz, Right Touch/Area Scan (111x191x1):** Measurement grid:

$dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.131 mW/g

**Configuration/HSL, GSM1900, WCDMA Band II, UMTS, RMC 12.2k, Mid ch9400, 1880MHz, Right Touch/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:

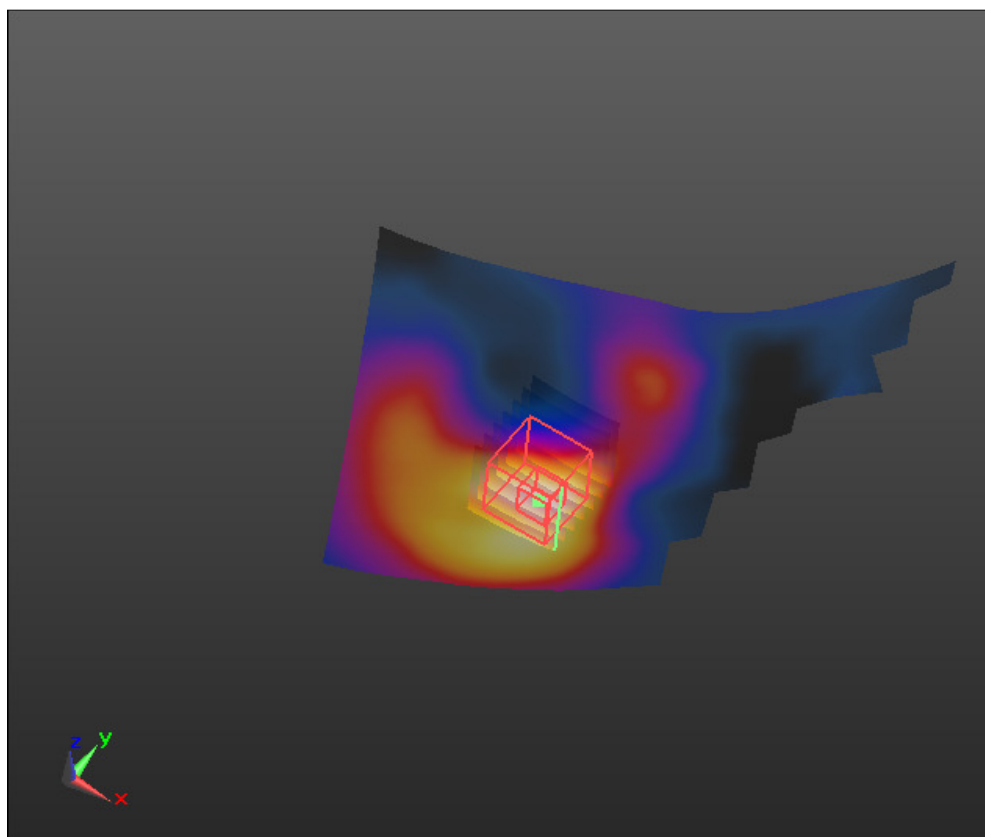
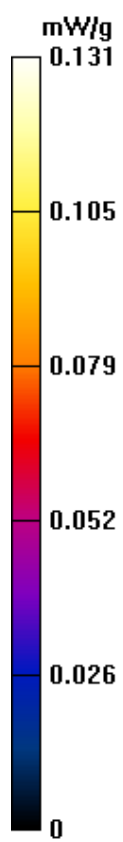
$dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 6.002 V/m; Power Drift = 0.35 dB

Peak SAR (extrapolated) = 0.188 mW/g

**SAR(1 g) = 0.119 mW/g; SAR(10 g) = 0.075 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.130 mW/g



Date/Time: 7/15/2013 4:41:46 PM

Test Laboratory: SGS North America

**97 HSL19000, WCDMA Band II, UMTS, RMC 12.2k, Mid ch9400, 1880MHz Right Tilt**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 1880 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.438$  mho/m;  $\epsilon_r = 38.793$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

**DASY Configuration:**

- Probe: EX3DV4 - SN3812; ConvF(8.18, 8.18, 8.18); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/HSL, GSM1900, WCDMA Band II, UMTS, RMC 12.2k, Mid ch9400, 1880MHz, Right Tilt/Area Scan (111x191x1):** Measurement grid:

$dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.103 mW/g

**Configuration/HSL, GSM1900, WCDMA Band II, UMTS, RMC 12.2k, Mid ch9400, 1880MHz, Right Tilt/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:

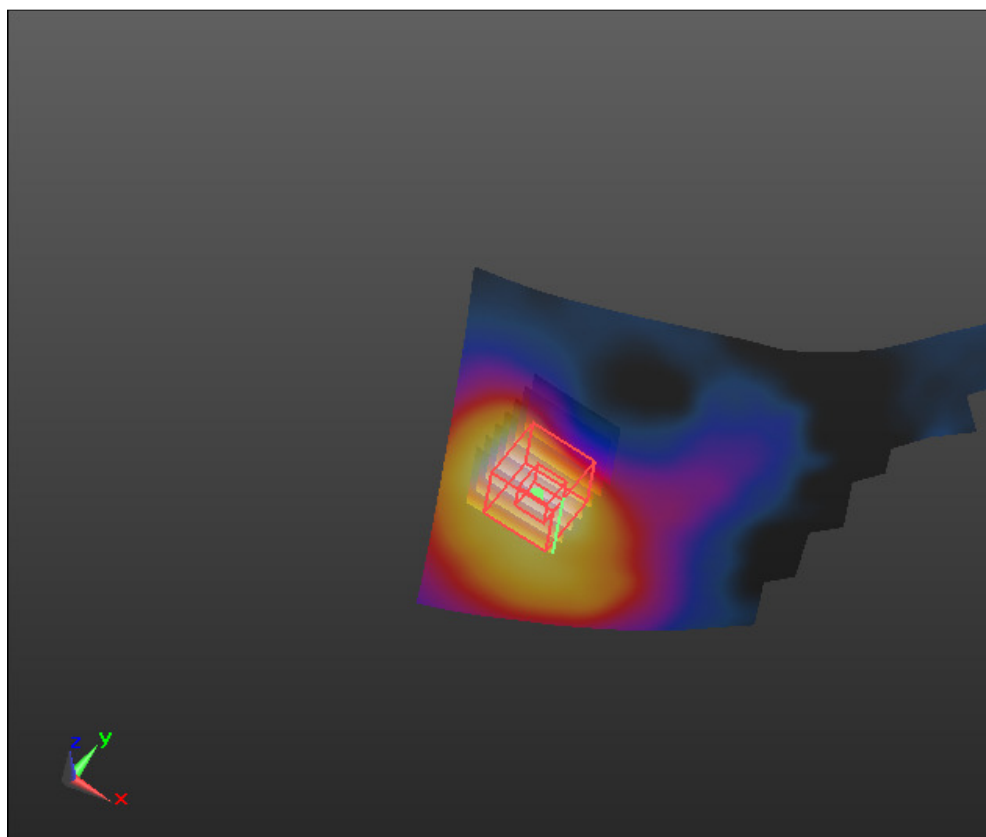
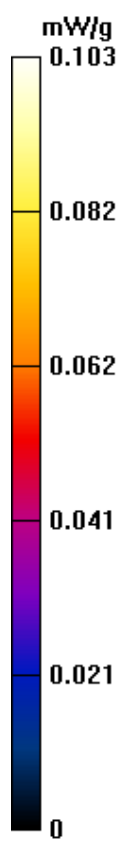
$dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 7.660 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.140 mW/g

**SAR(1 g) = 0.093 mW/g; SAR(10 g) = 0.061 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.101 mW/g



Test Laboratory: SGS North America

**98 HSL19000, WCDMA Band II, UMTS, RMC 12.2k, Low ch9262, 1852.4MHz Right Touch**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);  
Frequency: 1852.4 MHz; Communication System PAR: 0 dB; PMF: 1  
Medium parameters used (interpolated):  $f = 1852.4$  MHz;  $\sigma = 1.404$  mho/m;  $\epsilon_r = 38.712$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section  
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(8.18, 8.18, 8.18); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/HSL, GSM1900, WCDMA Band II, UMTS, RMC 12.2k, Low ch9262, 1852.4MHz, Right Touch/Area Scan (111x191x1):** Measurement grid:  
 $dx=10$ mm,  $dy=10$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.216 mW/g

**Configuration/HSL, GSM1900, WCDMA Band II, UMTS, RMC 12.2k, Low ch9262, 1852.4MHz, Right Touch/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  
 $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

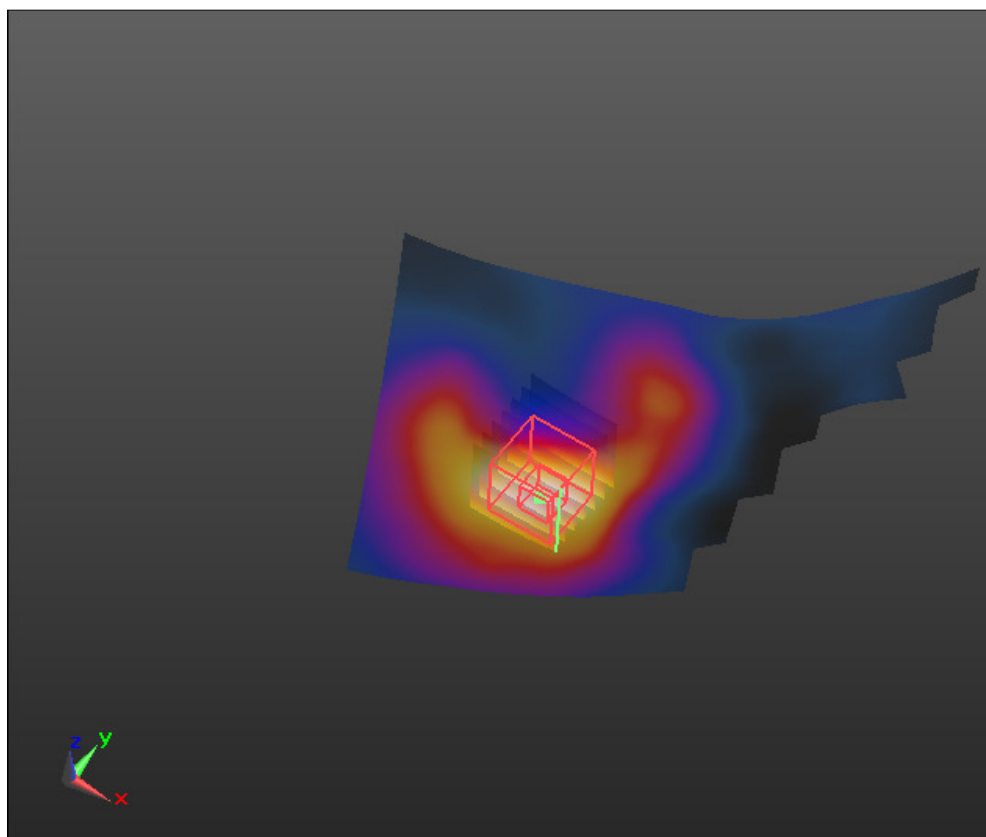
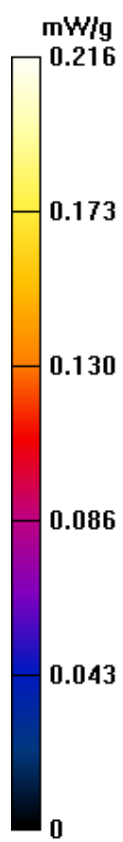
Reference Value = 8.679 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.294 mW/g

**SAR(1 g) = 0.200 mW/g; SAR(10 g) = 0.129 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.217 mW/g



Test Laboratory: SGS North America

**99 HSL19000, WCDMA Band II, UMTS, RMC 12.2k, High ch9538, 1907.6MHz Right Touch**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 1907.6 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.458$  mho/m;  $\epsilon_r = 38.483$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(8.18, 8.18, 8.18); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/HSL, GSM1900, WCDMA Band II, UMTS, RMC 12.2k, High ch9538, 1907.6MHz, Right Touch/Area Scan (111x191x1):** Measurement grid:

$dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.133 mW/g

**Configuration/HSL, GSM1900, WCDMA Band II, UMTS, RMC 12.2k, High ch9538, 1907.6MHz, Right Touch/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:

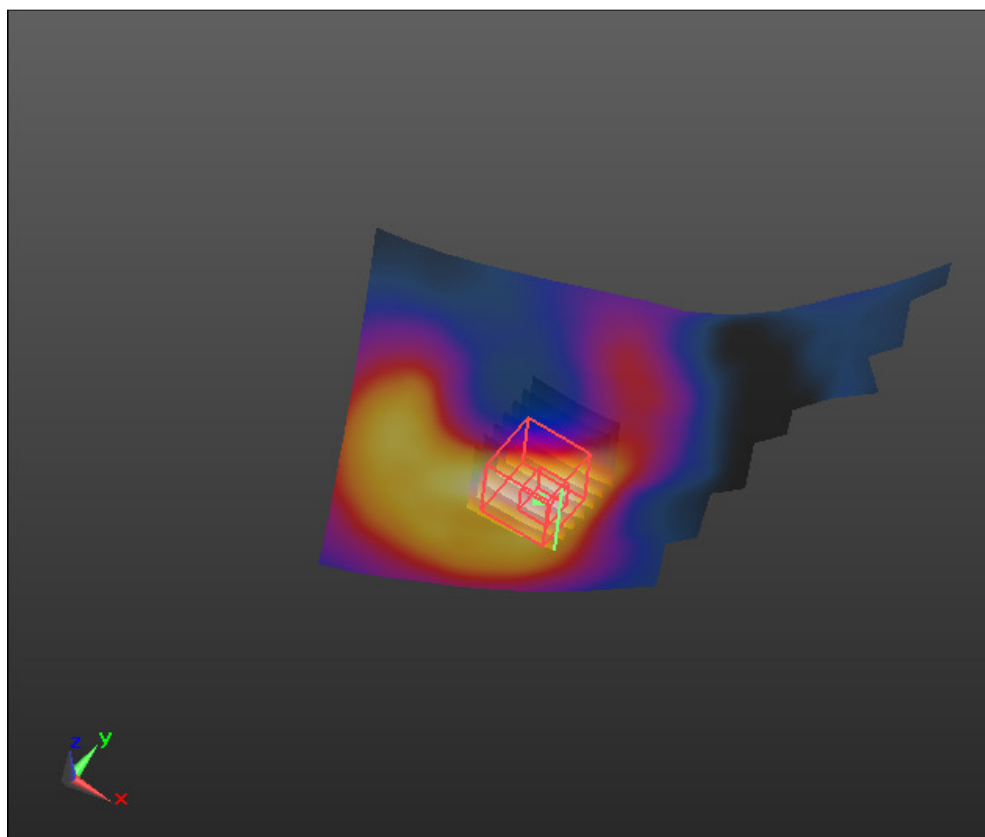
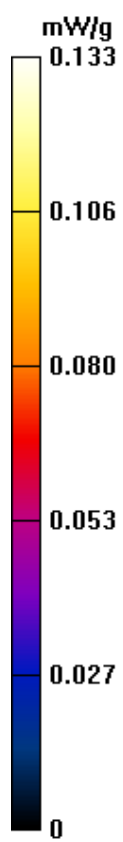
$dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 6.400 V/m; Power Drift = 0.29 dB

Peak SAR (extrapolated) = 0.184 mW/g

**SAR(1 g) = 0.118 mW/g; SAR(10 g) = 0.075 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.129 mW/g



Date/Time: 7/16/2013 4:14:45 PM

Test Laboratory: SGS North America

**100 HSL19000, CDMA 1xRTT, RC3, S055, Mid ch600, 1880.6MHz Left Touch**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 1880 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.432$  mho/m;  $\epsilon_r = 38.605$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(8.18, 8.18, 8.18); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/HSL, GSM1900, CDMA 1xRTT, RC3, S055, Mid ch600, 1880MHz, Left Touch/Area Scan (111x191x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.0875 mW/g

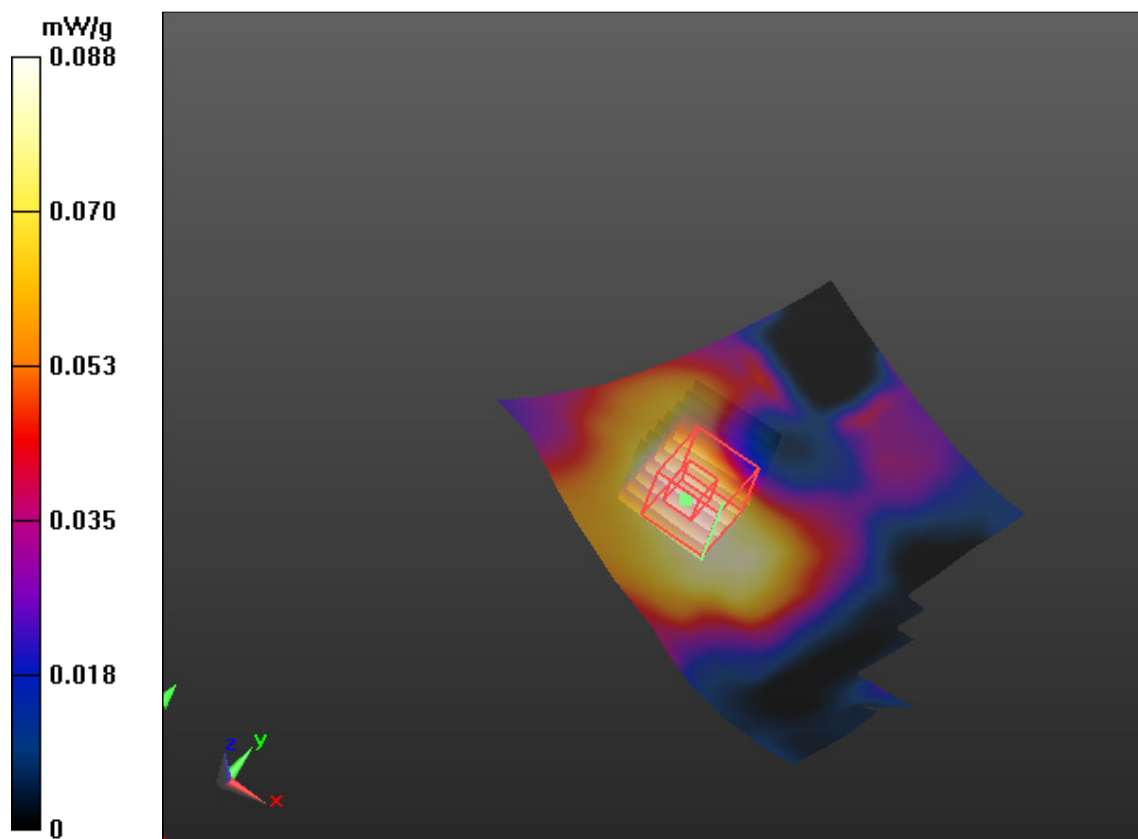
**Configuration/HSL, GSM1900, CDMA 1xRTT, RC3, S055, Mid ch600, 1880MHz, Left Touch/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 5.581 V/m; Power Drift = 0.37 dB

Peak SAR (extrapolated) = 0.125 mW/g

**SAR(1 g) = 0.084 mW/g; SAR(10 g) = 0.056 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.0912 mW/g



Date/Time: 7/16/2013 3:42:56 PM

Test Laboratory: SGS North America

**101 HSL19000, CDMA 1xRTT, RC3, S055, Mid ch600, 1880.6MHz Left Tilt**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 1880 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.432$  mho/m;  $\epsilon_r = 38.605$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(8.18, 8.18, 8.18); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/HSL, GSM1900, CDMA 1xRTT, RC3, S055, Mid ch600, 1880MHz, Left Tilt/Area Scan (111x191x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.0881 mW/g

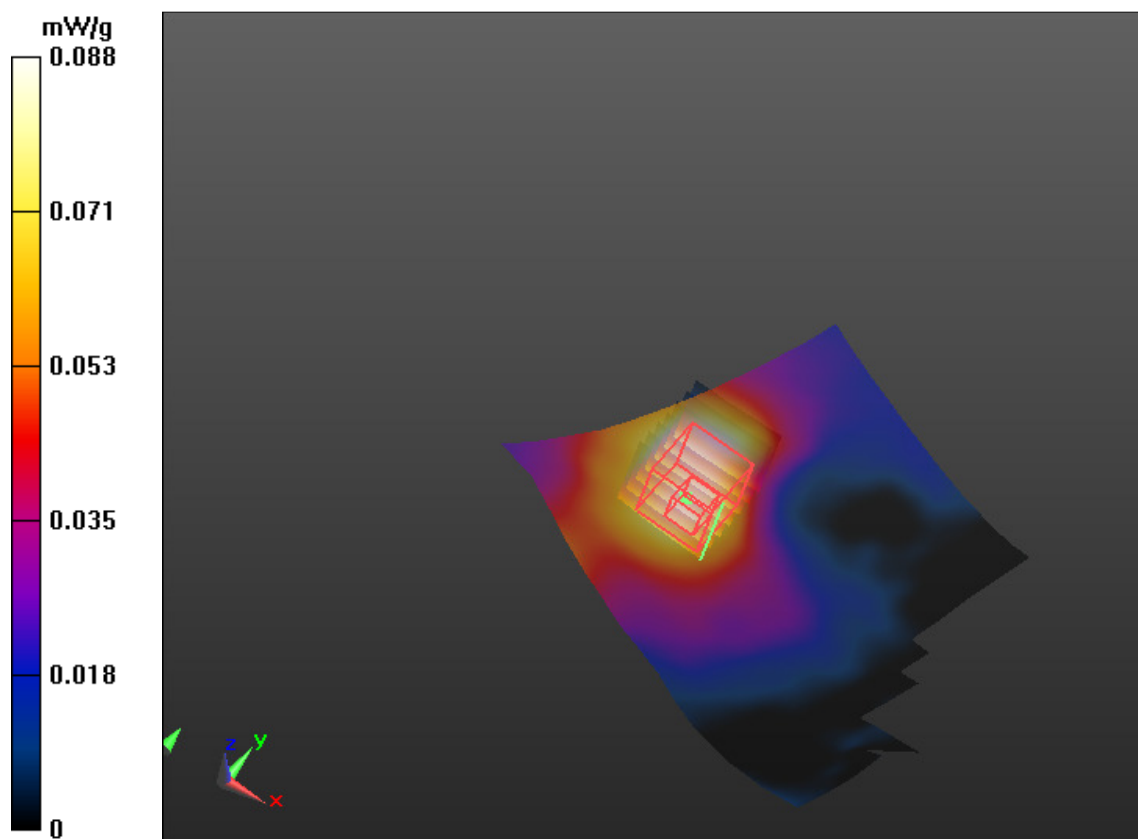
**Configuration/HSL, GSM1900, CDMA 1xRTT, RC3, S055, Mid ch600, 1880MHz, Left Tilt/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 6.973 V/m; Power Drift = 0.23 dB

Peak SAR (extrapolated) = 0.128 mW/g

**SAR(1 g) = 0.082 mW/g; SAR(10 g) = 0.052 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.0889 mW/g



Test Laboratory: SGS North America

**102 HSL19000, CDMA 1xRTT, RC3, S055, Mid ch600, 1880.6MHz Right Touch**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 1880 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.432$  mho/m;  $\epsilon_r = 38.605$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(8.18, 8.18, 8.18); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/HSL, GSM1900, CDMA 1xRTT, RC3, S055, Mid ch600, 1880MHz, Right Touch/Area Scan (111x191x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.136 mW/g

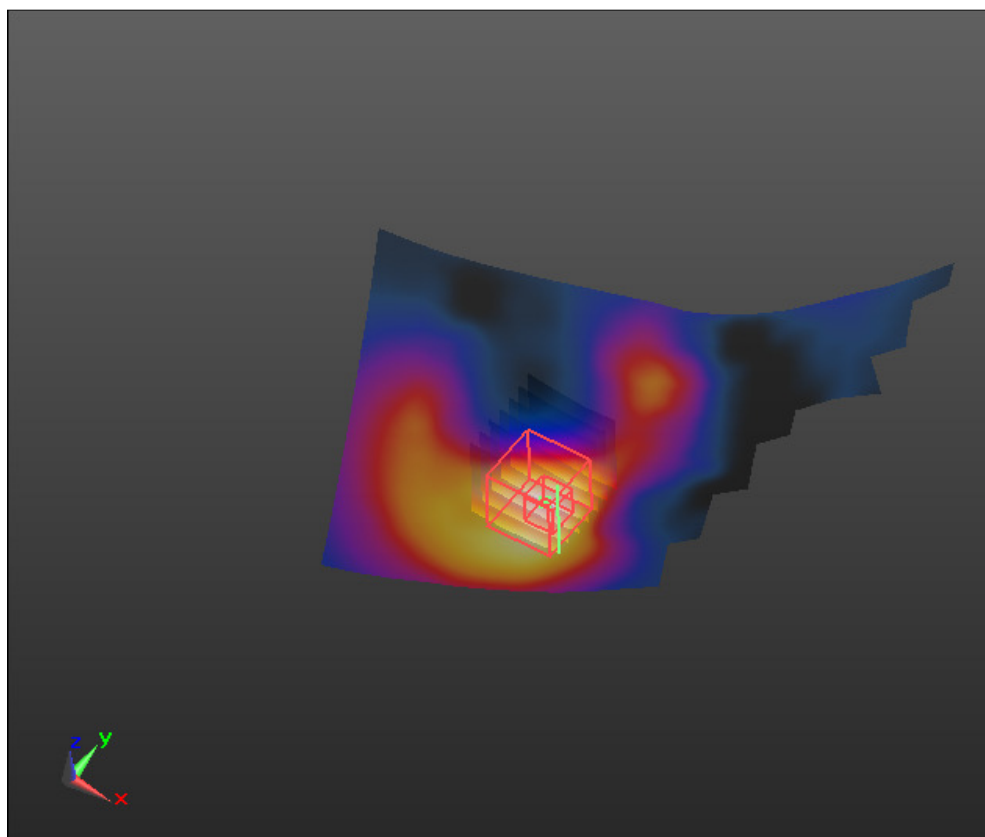
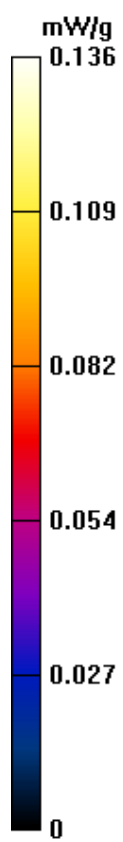
**Configuration/HSL, GSM1900, CDMA 1xRTT, RC3, S055, Mid ch600, 1880MHz, Right Touch/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 6.127 V/m; Power Drift = 0.22 dB

Peak SAR (extrapolated) = 0.200 mW/g

**SAR(1 g) = 0.122 mW/g; SAR(10 g) = 0.077 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.133 mW/g



Date/Time: 7/16/2013 2:30:02 PM

Test Laboratory: SGS North America

**103 HSL19000, CDMA 1xRTT, RC3, S055, Mid ch600, 1880.6MHz Right Tilt**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 1880 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.432$  mho/m;  $\epsilon_r = 38.605$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(8.18, 8.18, 8.18); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/HSL, GSM1900, CDMA 1xRTT, RC3, S055, Mid ch600, 1880MHz, Right Tilt/Area Scan (111x191x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.101 mW/g

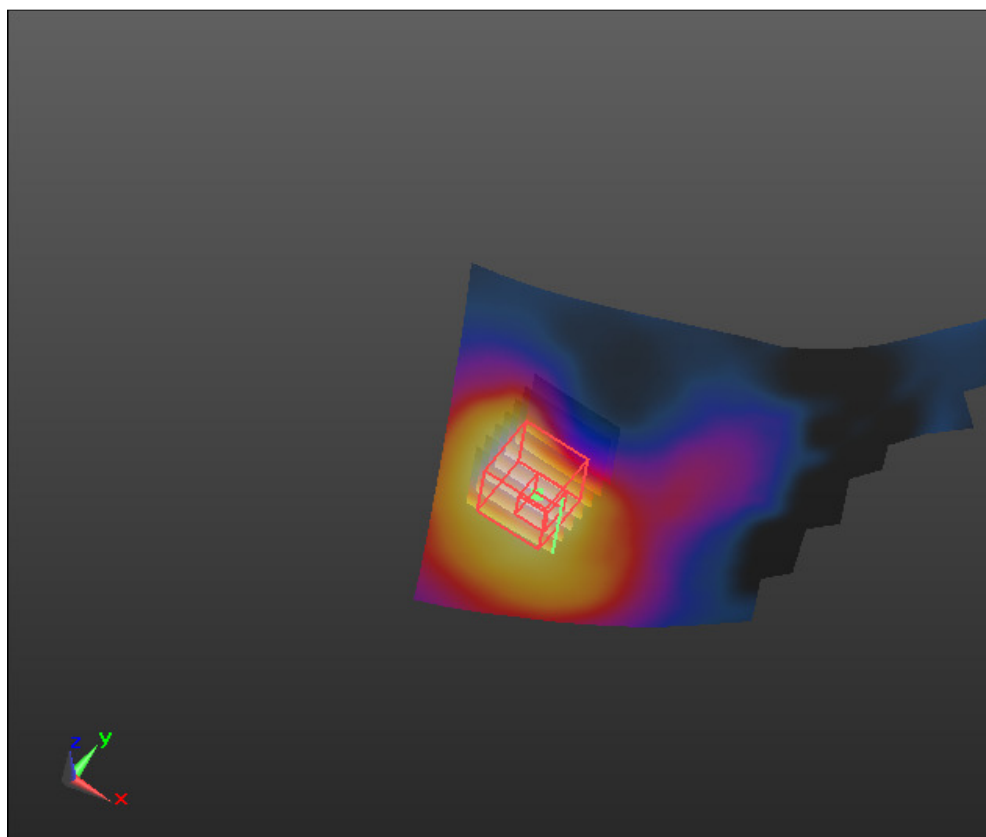
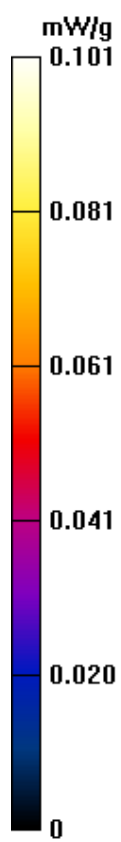
**Configuration/HSL, GSM1900, CDMA 1xRTT, RC3, S055, Mid ch600, 1880MHz, Right Tilt/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 7.410 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.137 mW/g

**SAR(1 g) = 0.089 mW/g; SAR(10 g) = 0.059 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.0955 mW/g



Test Laboratory: SGS North America

**104 HSL19000, CDMA 1xRTT, RC3, S055, Low ch25, 1851.25MHz Right Touch**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 1851.25 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 1852$  MHz;  $\sigma = 1.412$  mho/m;  $\epsilon_r = 38.385$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(8.18, 8.18, 8.18); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/HSL, GSM1900, CDMA 1xRTT, RC3, S055, Low ch25, 1851.25MHz, Right Touch/Area Scan (111x191x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.139 mW/g

**Configuration/HSL, GSM1900, CDMA 1xRTT, RC3, S055, Low ch25, 1851.25MHz, Right Touch/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:

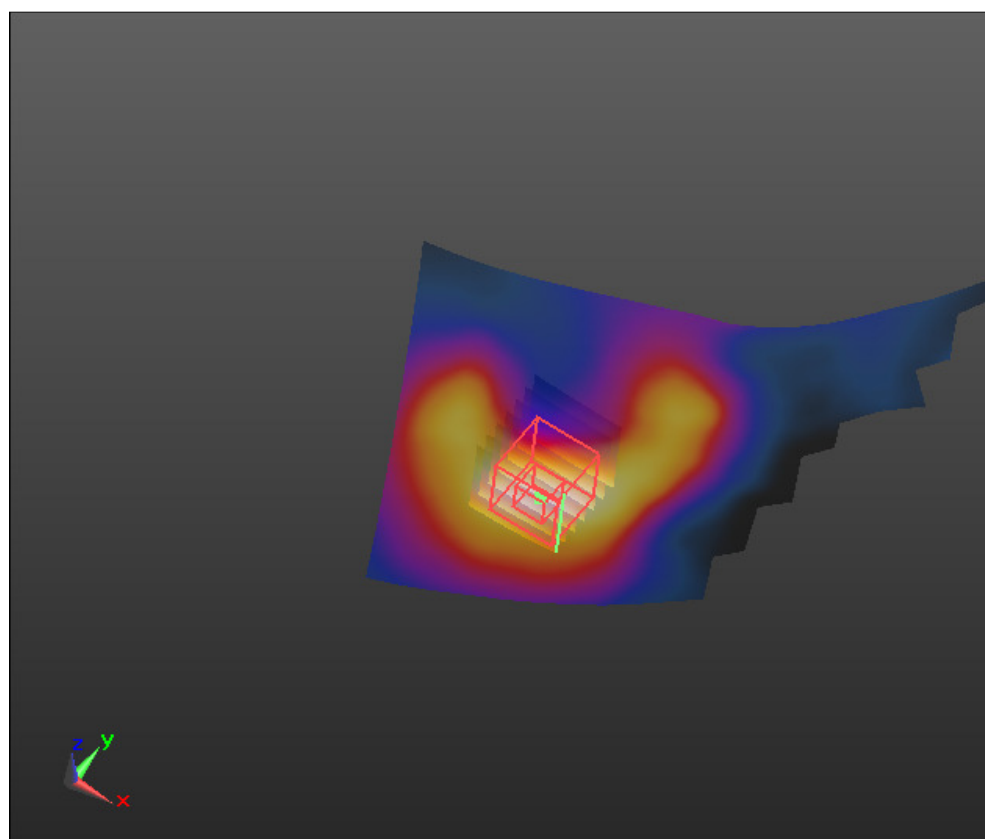
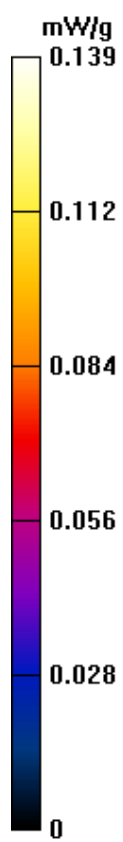
$dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 7.838 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.186 mW/g

**SAR(1 g) = 0.130 mW/g; SAR(10 g) = 0.086 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.142 mW/g



Test Laboratory: SGS North America

**105 HSL19000, CDMA 1xRTT, RC3, S055, High ch1175, 1908.75MHz Right Touch**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);  
Frequency: 1908.75 MHz; Communication System PAR: 0 dB; PMF: 1  
Medium parameters used (interpolated):  $f = 1908.75$  MHz;  $\sigma = 1.467$  mho/m;  $\epsilon_r = 38.154$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section  
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(8.18, 8.18, 8.18); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/HSL, GSM1900, CDMA 1xRTT, RC3, S055, High ch1175, 1908.75MHz, Right Touch/Area Scan (111x191x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.121 mW/g

**Configuration/HSL, GSM1900, CDMA 1xRTT, RC3, S055, High ch1175, 1908.75MHz, Right Touch/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:

$dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

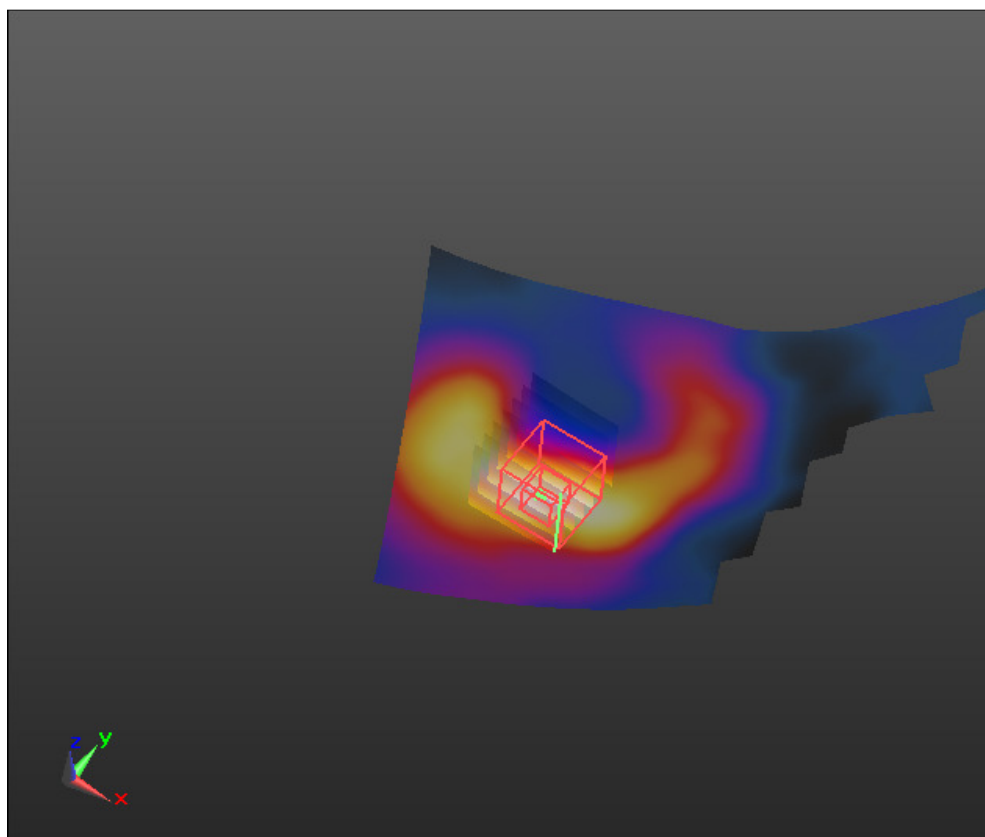
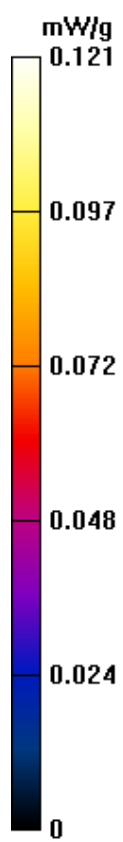
Reference Value = 6.957 V/m; Power Drift = 0.38 dB

Peak SAR (extrapolated) = 0.170 mW/g

**SAR(1 g) = 0.115 mW/g; SAR(10 g) = 0.073 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.126 mW/g



Date/Time: 7/17/2013 12:07:09 PM

Test Laboratory: SGS North America

**HSL19000, WCDMA Band II, UMTS, RMC 12.2k, Low ch9262, 1852.4MHz  
Right Touch w 1900mAh battery**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);  
Frequency: 1852.4 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 1852.4$  MHz;  $\sigma = 1.413$  mho/m;  $\epsilon_r = 38.384$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

**DASY Configuration:**

- Probe: EX3DV4 - SN3812; ConvF(8.18, 8.18, 8.18); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/HSL, GSM1900, WCDMA Band II, UMTS, RMC 12.2k, Low  
ch9262, 1852.4MHz, Right Touch/Area Scan (111x191x1):** Measurement grid:  
 $dx=10$ mm,  $dy=10$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.221 mW/g

**Configuration/HSL, GSM1900, WCDMA Band II, UMTS, RMC 12.2k, Low  
ch9262, 1852.4MHz, Right Touch/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  
 $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

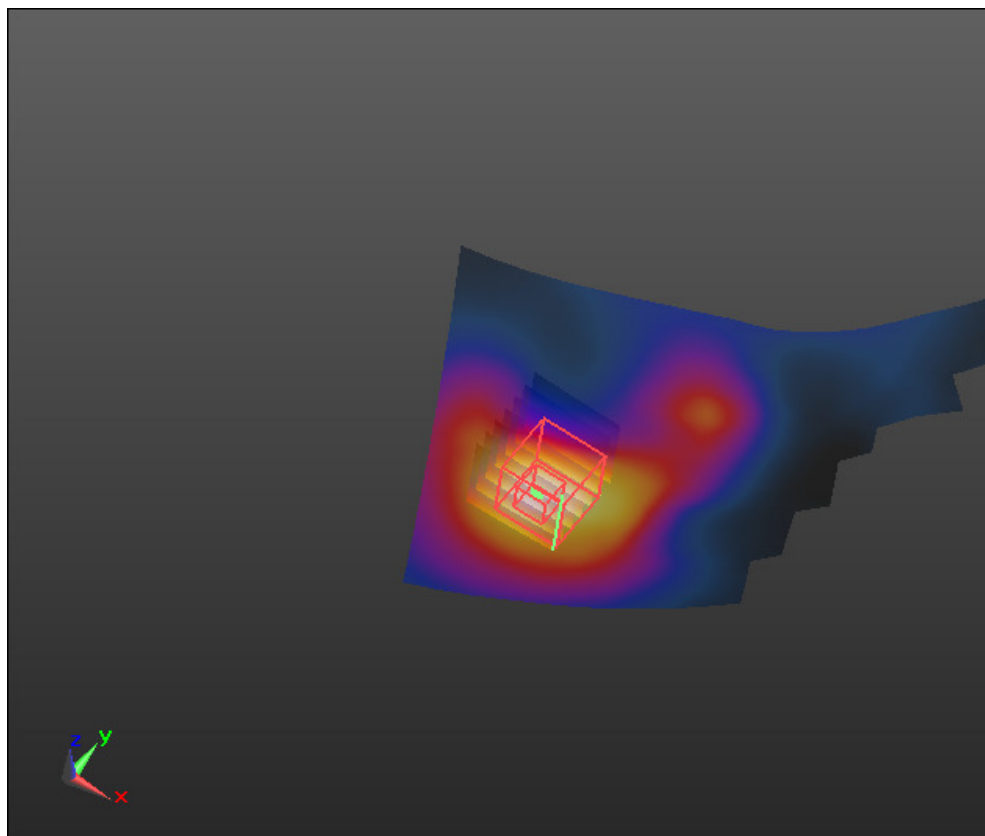
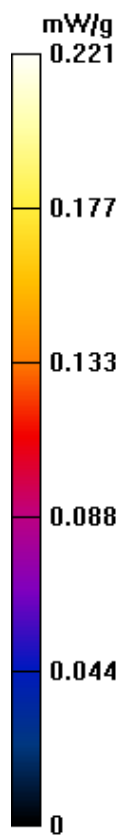
Reference Value = 9.721 V/m; Power Drift = -0.33 dB

Peak SAR (extrapolated) = 0.300 mW/g

**SAR(1 g) = 0.204 mW/g; SAR(10 g) = 0.131 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.220 mW/g



Test Laboratory: SGS North America

**106 BSL2450 ,ISM2.4GHz, 802.11b, 1Mbps High ch11, 2462MHz, B1 P1**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 2462 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 2462$  MHz;  $\sigma = 2.096$  mho/m;  $\epsilon_r = 51.946$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(7.01, 7.01, 7.01); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body, ISM, 2.4GHz, 802.11b, 1Mbps, High Ch 11, 2462MHz, B1, P1/Area Scan (91x181x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.0687 mW/g

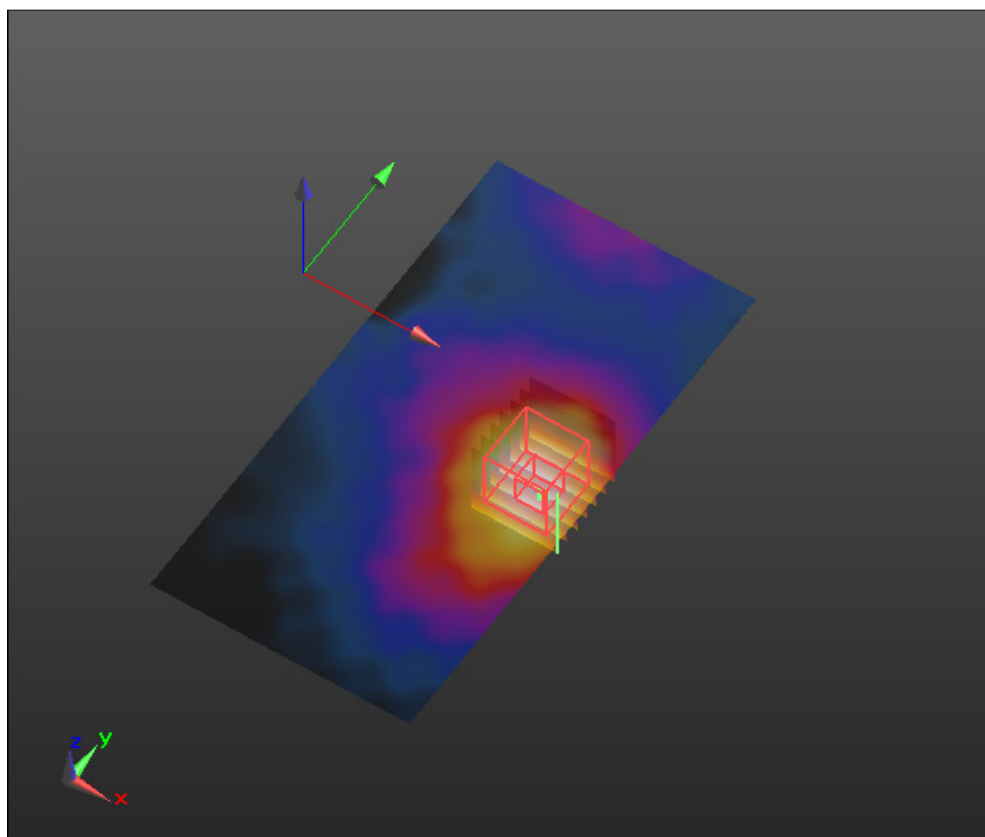
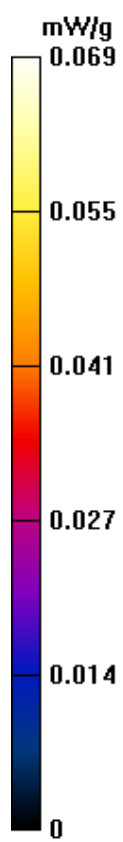
**Configuration/Body, ISM, 2.4GHz, 802.11b, 1Mbps, High Ch 11, 2462MHz, B1, P1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 1.507 V/m; Power Drift = 0.32 dB

Peak SAR (extrapolated) = 0.104 mW/g

**SAR(1 g) = 0.063 mW/g; SAR(10 g) = 0.038 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.0680 mW/g



Test Laboratory: SGS North America

**107 BSL2450 ,ISM2.4GHz, 802.11b, 1Mbps High ch11, 2462MHz, B1 P2**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 2462 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 2462$  MHz;  $\sigma = 2.096$  mho/m;  $\epsilon_r = 51.946$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(7.01, 7.01, 7.01); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body, ISM, 2.4GHz, 802.11b, 1Mbps, High Ch 11, 2462MHz, B1, P2/Area Scan (91x181x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.00466 mW/g

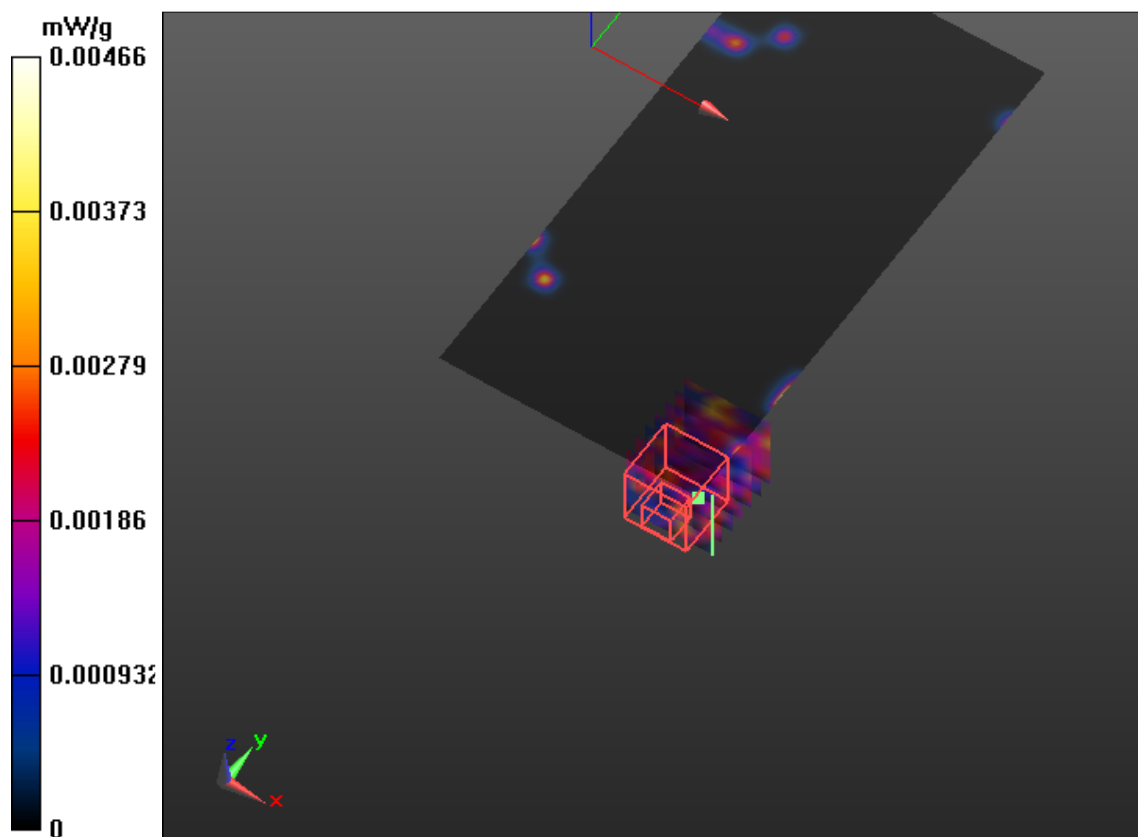
**Configuration/Body, ISM, 2.4GHz, 802.11b, 1Mbps, High Ch 11, 2462MHz, B1, P2/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 1.543 V/m; Power Drift = -2.13 dB

Peak SAR (extrapolated) = 0.00306 mW/g

**SAR(1 g) = 2.61e-005 mW/g; SAR(10 g) = 3.19e-006 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.00391 mW/g



Test Laboratory: SGS North America

**108 BSL2450 ,ISM2.4GHz, 802.11b, 1Mbps High ch11, 2462MHz, B2 P1**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 2462 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 2462$  MHz;  $\sigma = 2.096$  mho/m;  $\epsilon_r = 51.946$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(7.01, 7.01, 7.01); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body, ISM, 2.4GHz, 802.11b, 1Mbps, High Ch 11, 2462MHz, B2, P1/Area Scan (41x181x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.00259 mW/g

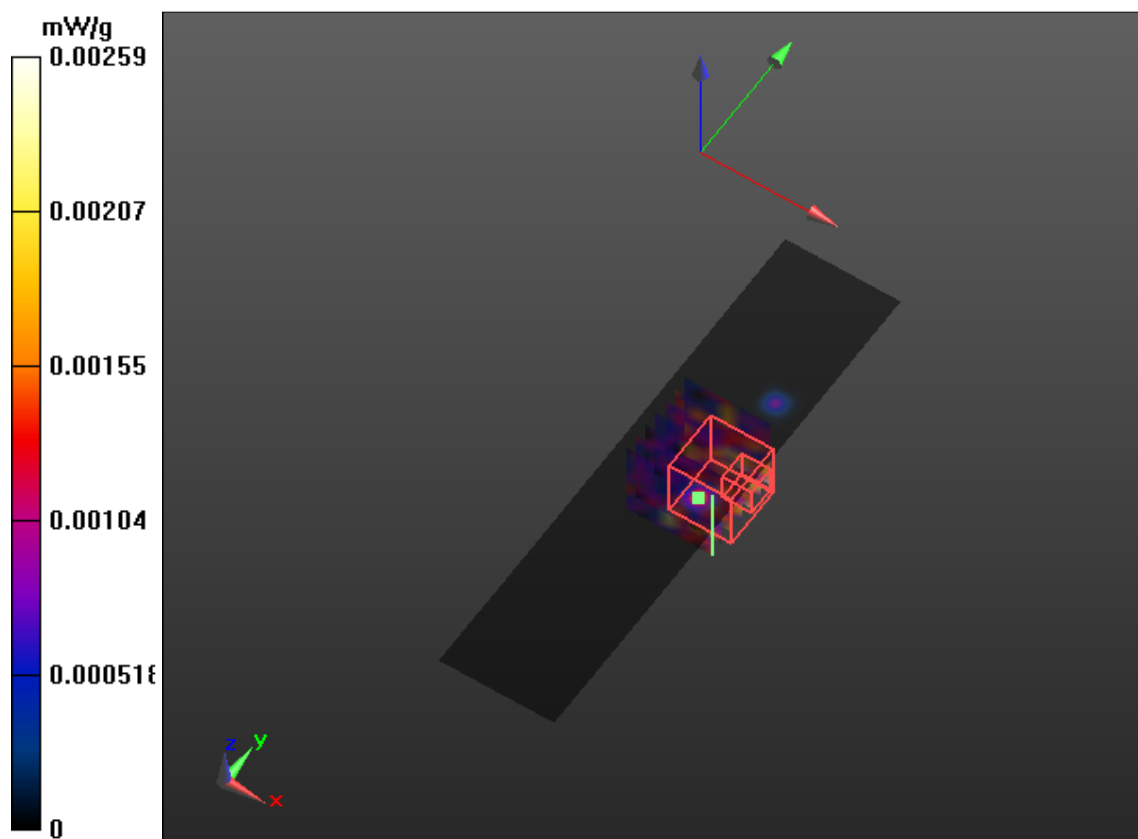
**Configuration/Body, ISM, 2.4GHz, 802.11b, 1Mbps, High Ch 11, 2462MHz, B2, P1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 1.396 V/m; Power Drift = -0.93 dB

Peak SAR (extrapolated) = 0.00918 mW/g

**SAR(1 g) = 0.000586 mW/g; SAR(10 g) = 0.00022 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.00500 mW/g



Test Laboratory: SGS North America

**109 BSL2450 ,ISM2.4GHz, 802.11b, 1Mbps High ch11, 2462MHz, B3 P1**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 2462 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 2462$  MHz;  $\sigma = 2.096$  mho/m;  $\epsilon_r = 51.946$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(7.01, 7.01, 7.01); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body, ISM, 2.4GHz, 802.11b, 1Mbps, High Ch 11, 2462MHz, B3, P1/Area Scan (91x181x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.146 mW/g

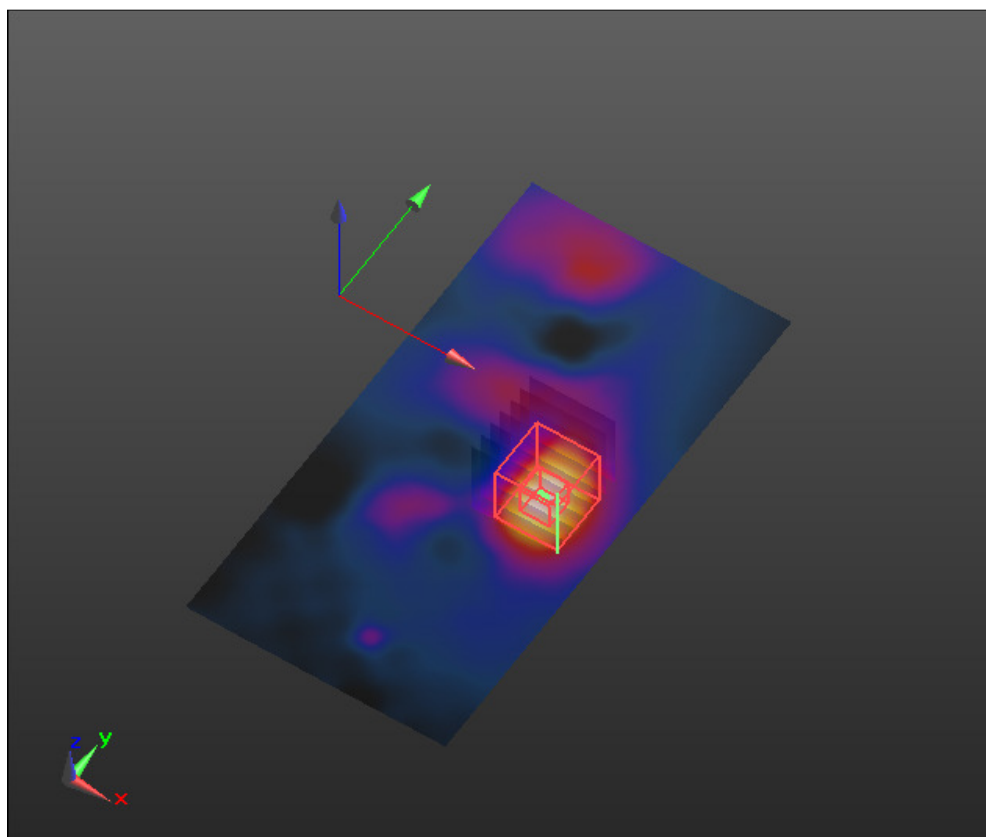
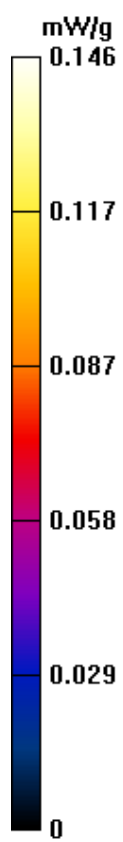
**Configuration/Body, ISM, 2.4GHz, 802.11b, 1Mbps, High Ch 11, 2462MHz, B3, P1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 2.052 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.226 mW/g

**SAR(1 g) = 0.125 mW/g; SAR(10 g) = 0.068 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.140 mW/g



Test Laboratory: SGS North America

**110 BSL2450 ,ISM2.4GHz, 802.11b, 1Mbps High ch11, 2462MHz, B3 P2**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 2462 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 2462$  MHz;  $\sigma = 2.096$  mho/m;  $\epsilon_r = 51.946$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(7.01, 7.01, 7.01); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body, ISM, 2.4GHz, 802.11b, 1Mbps, High Ch 11, 2462MHz, B3, P2/Area Scan (91x181x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.000265 mW/g

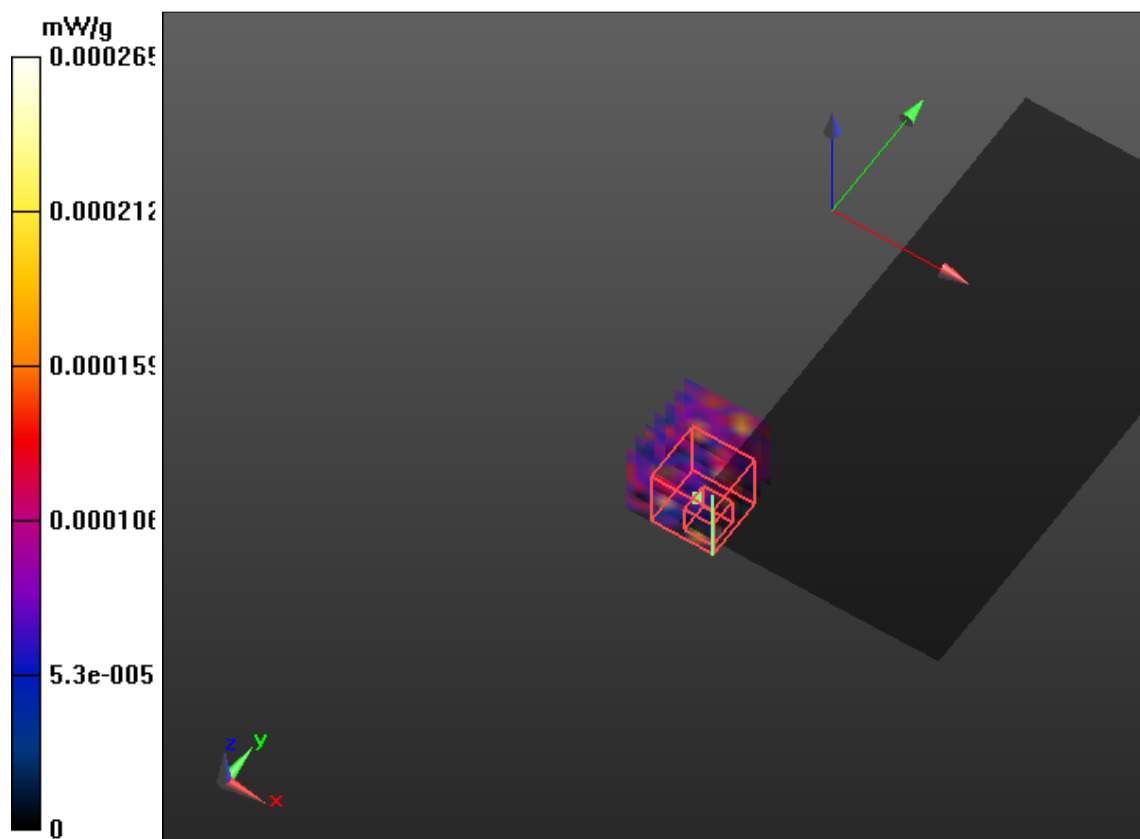
**Configuration/Body, ISM, 2.4GHz, 802.11b, 1Mbps, High Ch 11, 2462MHz, B3, P2/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 0.610 V/m; Power Drift = -0.69 dB

Peak SAR (extrapolated) = 0.00367 mW/g

**SAR(1 g) = 7.9e-005 mW/g; SAR(10 g) = 1.93e-005 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.00426 mW/g



Date/Time: 6/20/2013 11:29:59 AM

Test Laboratory: SGS North America

**BSL2450 ,ISM2.4GHz, 802.11b, 1Mbps High ch11, 2462MHz, B3 P1 3900mAh battery 20Jun13**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 2462 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 2462$  MHz;  $\sigma = 2.093$  mho/m;  $\epsilon_r = 51.703$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(7.01, 7.01, 7.01); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body, ISM, 2.4GHz, 802.11b, 1Mbps, High Ch 11, 2462MHz, B3, P1, 3900 mAh bat/Area Scan (91x181x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.126 mW/g

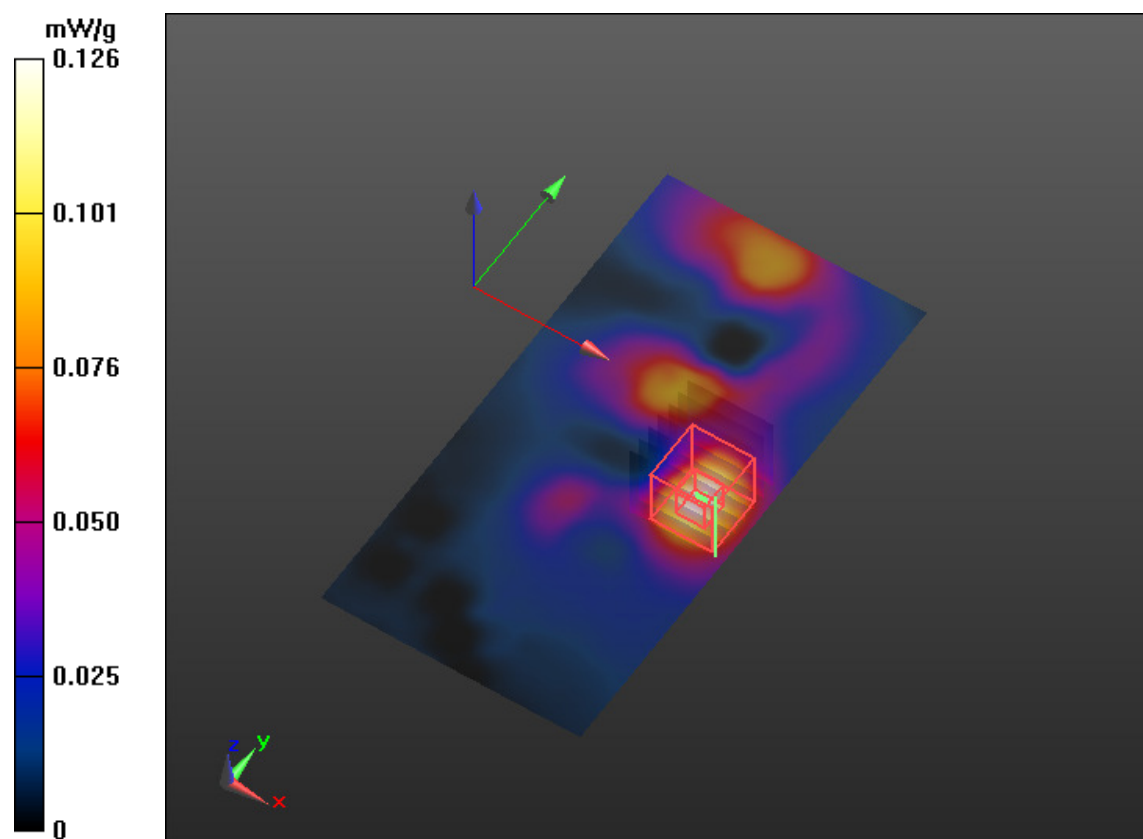
**Configuration/Body, ISM, 2.4GHz, 802.11b, 1Mbps, High Ch 11, 2462MHz, B3, P1, 3900 mAh bat/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 2.213 V/m; Power Drift = -0.25 dB

Peak SAR (extrapolated) = 0.202 mW/g

**SAR(1 g) = 0.111 mW/g; SAR(10 g) = 0.059 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.124 mW/g



Test Laboratory: SGS North America

**111 BSL2450 ,ISM2.4GHz, 802.11b, 1Mbps Low ch1, 2412MHz, B3 P1  
20Jun13**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 2412 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 2412$  MHz;  $\sigma = 2.034$  mho/m;  $\epsilon_r = 51.862$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(7.01, 7.01, 7.01); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body, ISM, 2.4GHz, 802.11b, 1Mbps, Low Ch 1, 2412MHz, B3,  
P1/Area Scan (91x181x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.123 mW/g

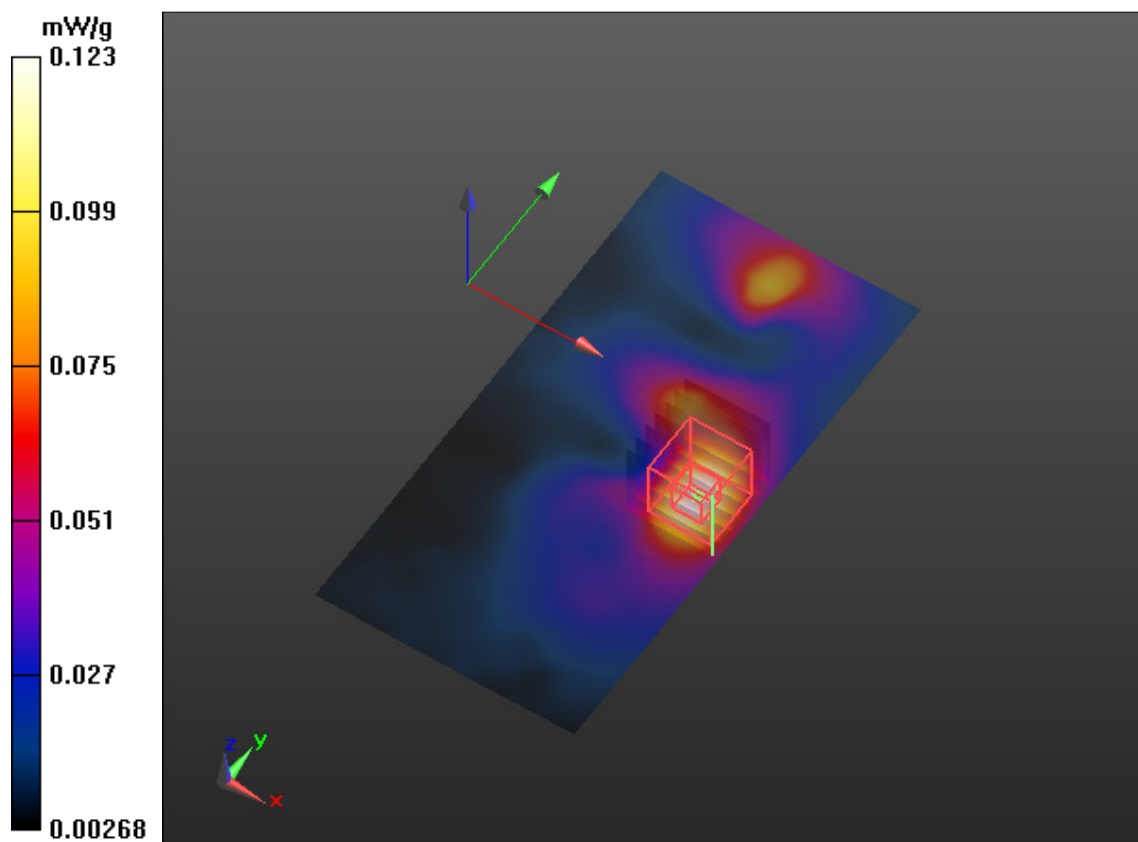
**Configuration/Body, ISM, 2.4GHz, 802.11b, 1Mbps, Low Ch 1, 2412MHz, B3,  
P1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 2.317 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.190 mW/g

**SAR(1 g) = 0.110 mW/g; SAR(10 g) = 0.060 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.122 mW/g



Test Laboratory: SGS North America

**112 BSL2450 ,ISM2.4GHz, 802.11b, 1Mbps Mid ch6, 2437MHz, B3 P1  
20Jun13**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 2437 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 2.064$  mho/m;  $\epsilon_r = 51.786$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(7.01, 7.01, 7.01); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/Body, ISM, 2.4GHz, 802.11b, 1Mbps, Mid Ch 6, 2437MHz, B3,  
P1/Area Scan (91x181x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.121 mW/g

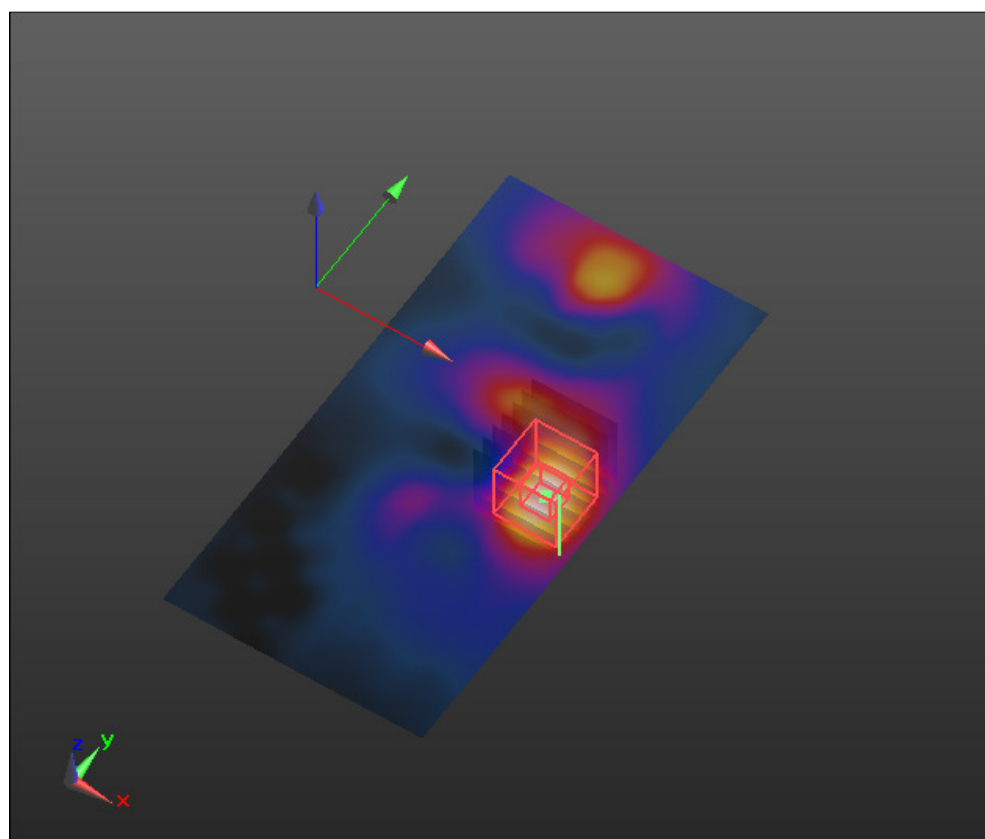
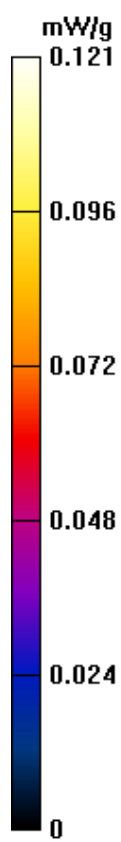
**Configuration/Body, ISM, 2.4GHz, 802.11b, 1Mbps, Mid Ch 6, 2437MHz, B3,  
P1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 1.989 V/m; Power Drift = -0.25 dB

Peak SAR (extrapolated) = 0.189 mW/g

**SAR(1 g) = 0.105 mW/g; SAR(10 g) = 0.056 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.116 mW/g



Date/Time: 7/18/2013 7:26:57 AM

Test Laboratory: SGS North America

**HSL2450,2.4GHz , ISM,802.11b, DSSS, 1Mbps, High ch11, 2462MHz Left Touch w 3900mAh battery**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 2462 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.845$  mho/m;  $\epsilon_r = 38.661$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(7.38, 7.38, 7.38); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/HSL2450, 2.4GHz, ISM, 802.11b, DSSS, 1Mbps High ch11, 2462MHz, Left Touch w 3900mAh battery/Area Scan (111x191x1):**

Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.0370 mW/g

**Configuration/HSL2450, 2.4GHz, ISM, 802.11b, DSSS, 1Mbps High ch11, 2462MHz, Left Touch w 3900mAh battery/Zoom Scan (7x7x7)/Cube 0:**

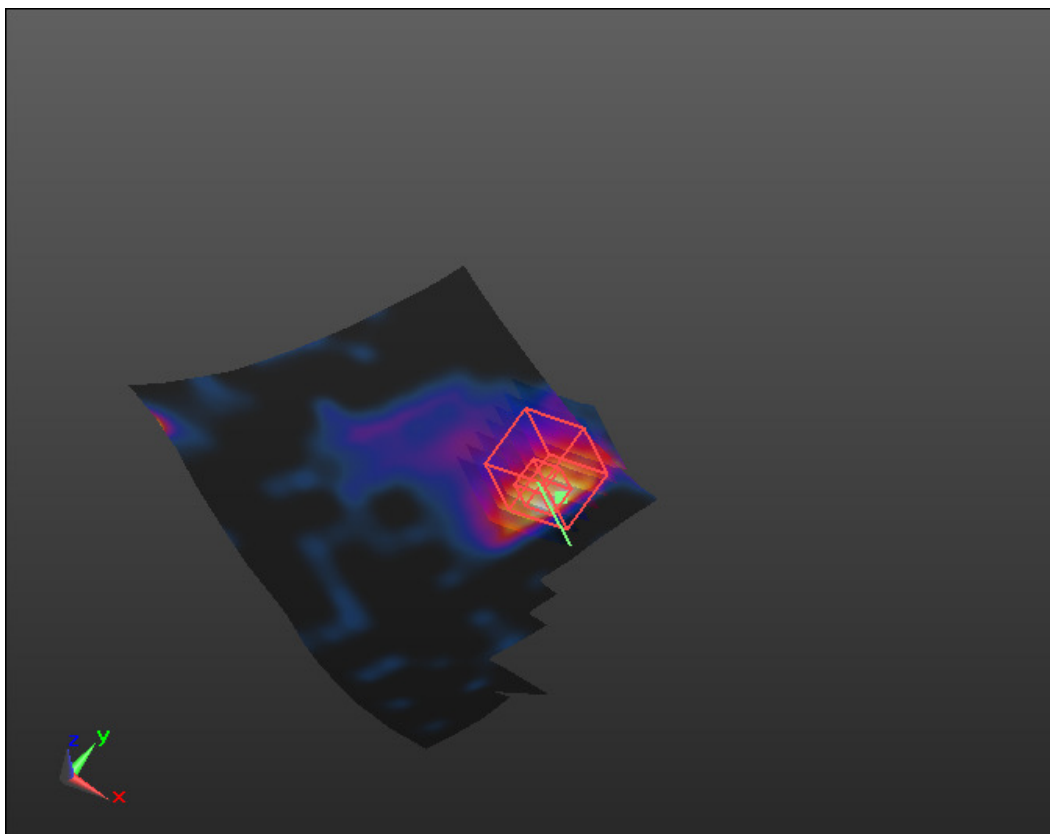
Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 2.092 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.040 mW/g

**SAR(1 g) = 0.022 mW/g; SAR(10 g) = 0.012 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.0247 mW/g



Date/Time: 7/18/2013 8:43:34 AM

Test Laboratory: SGS North America

**HSL2450,2.4GHz , ISM,802.11b, DSSS, 1Mbps, High ch11, 2462MHz Left Tilt w 3900mAh battery**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 2462 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.845$  mho/m;  $\epsilon_r = 38.661$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(7.38, 7.38, 7.38); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/HSL2450, 2.4GHz, ISM, 802.11b, DSSS, 1Mbps High ch11, 2462MHz, Left Tilt w 3900mAh battery/Area Scan (111x191x1):** Measurement

grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.0207 mW/g

**Configuration/HSL2450, 2.4GHz, ISM, 802.11b, DSSS, 1Mbps High ch11, 2462MHz, Left Tilt w 3900mAh battery/Zoom Scan (7x7x7)/Cube 0:**

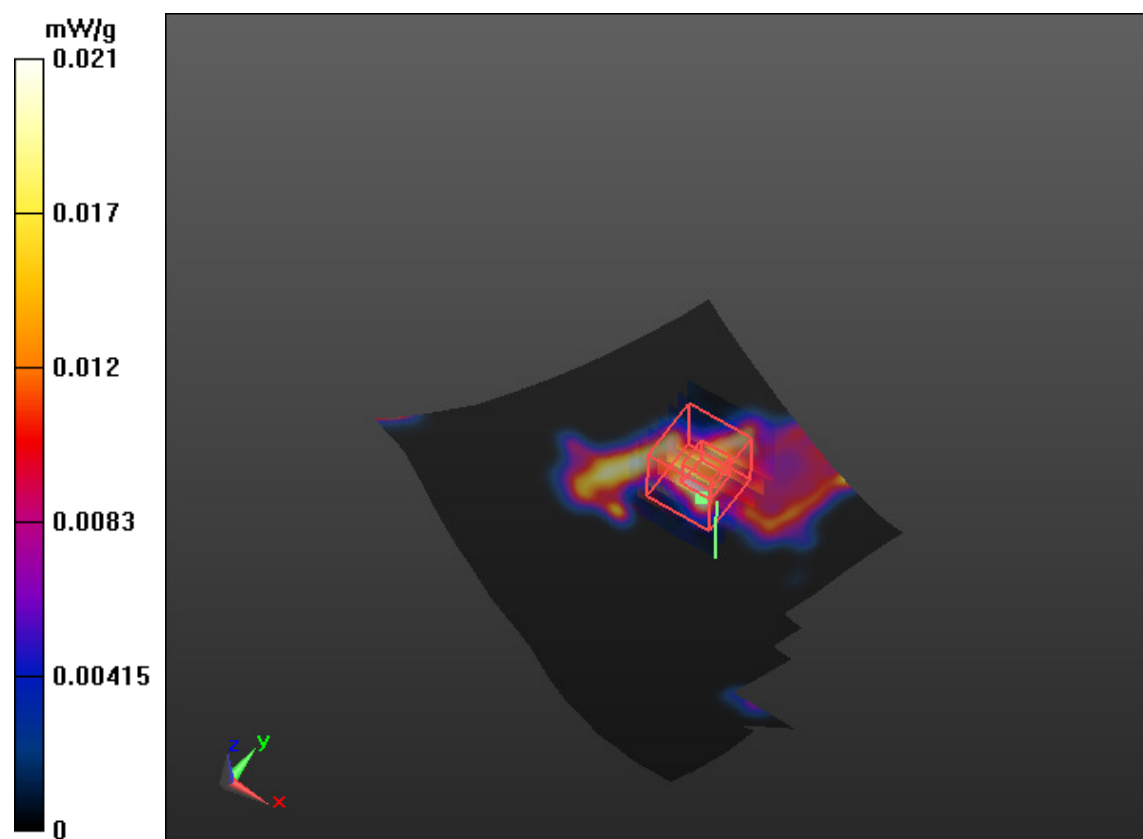
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.647 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.018 mW/g

**SAR(1 g) = 0.011 mW/g; SAR(10 g) = 0.00615 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.0146 mW/g



Date/Time: 7/17/2013 2:48:17 PM

Test Laboratory: SGS North America

**HSL2450,2.4GHz , ISM,802.11b, DSSS, 1Mbps, High ch11, 2462MHz Right Touch w 3900mAh battery**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 2462 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.845$  mho/m;  $\epsilon_r = 38.661$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(7.38, 7.38, 7.38); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/HSL2450, 2.4GHz, ISM, 802.11b, DSSS, 1Mbps High ch11, 2462MHz, Right Touch w 3900mAh battery/Area Scan (111x191x1):**

Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.0402 mW/g

**Configuration/HSL2450, 2.4GHz, ISM, 802.11b, DSSS, 1Mbps High ch11, 2462MHz, Right Touch w 3900mAh battery/Zoom Scan (7x7x7)/Cube 0:**

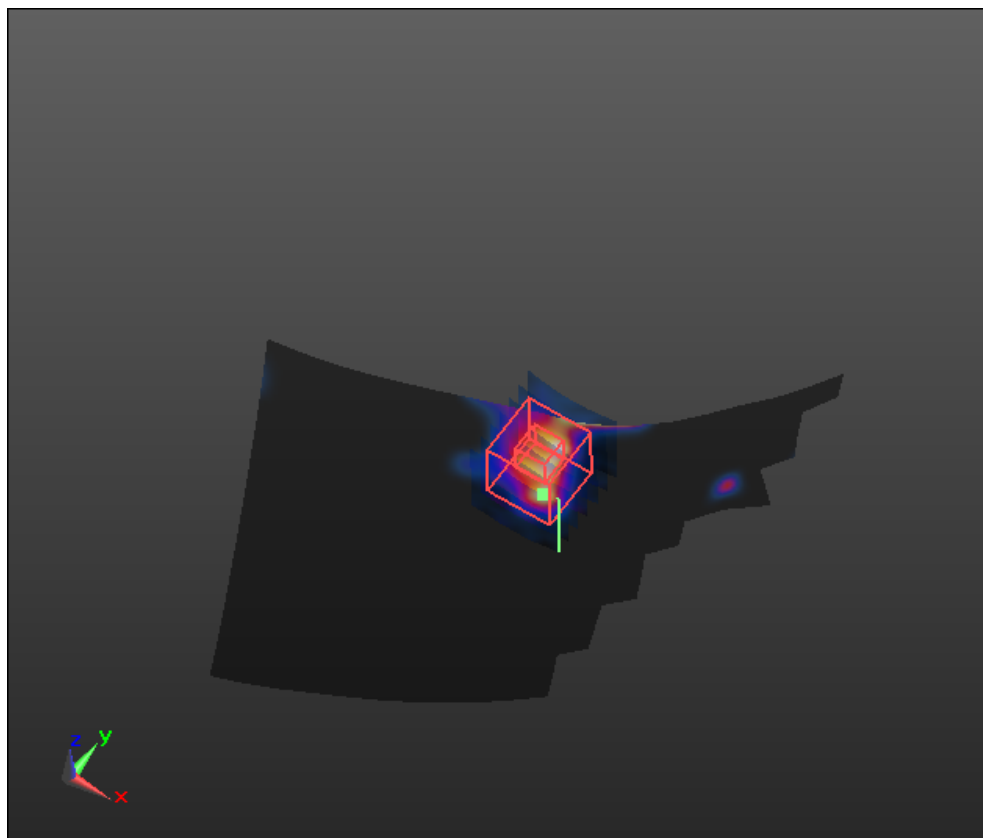
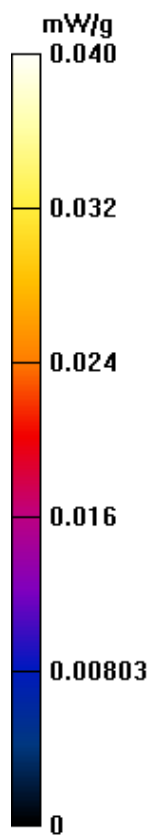
Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 1.912 V/m; Power Drift = 0.26 dB

Peak SAR (extrapolated) = 0.033 mW/g

**SAR(1 g) = 0.022 mW/g; SAR(10 g) = 0.010 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.0296 mW/g



Date/Time: 7/17/2013 3:53:53 PM

Test Laboratory: SGS North America

**HSL2450,2.4GHz , ISM,802.11b, DSSS, 1Mbps, High ch11, 2462MHz Right Tilt w 3900mAh battery**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 2462 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.845$  mho/m;  $\epsilon_r = 38.661$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(7.38, 7.38, 7.38); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/HSL2450, 2.4GHz, ISM, 802.11b, DSSS, 1Mbps High ch11, 2462MHz, Right Tilt w 3900mAh battery/Area Scan (111x191x1): Measurement**

grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.0266 mW/g

**Configuration/HSL2450, 2.4GHz, ISM, 802.11b, DSSS, 1Mbps High ch11, 2462MHz, Right Tilt w 3900mAh battery/Zoom Scan (7x7x7)/Cube 0:**

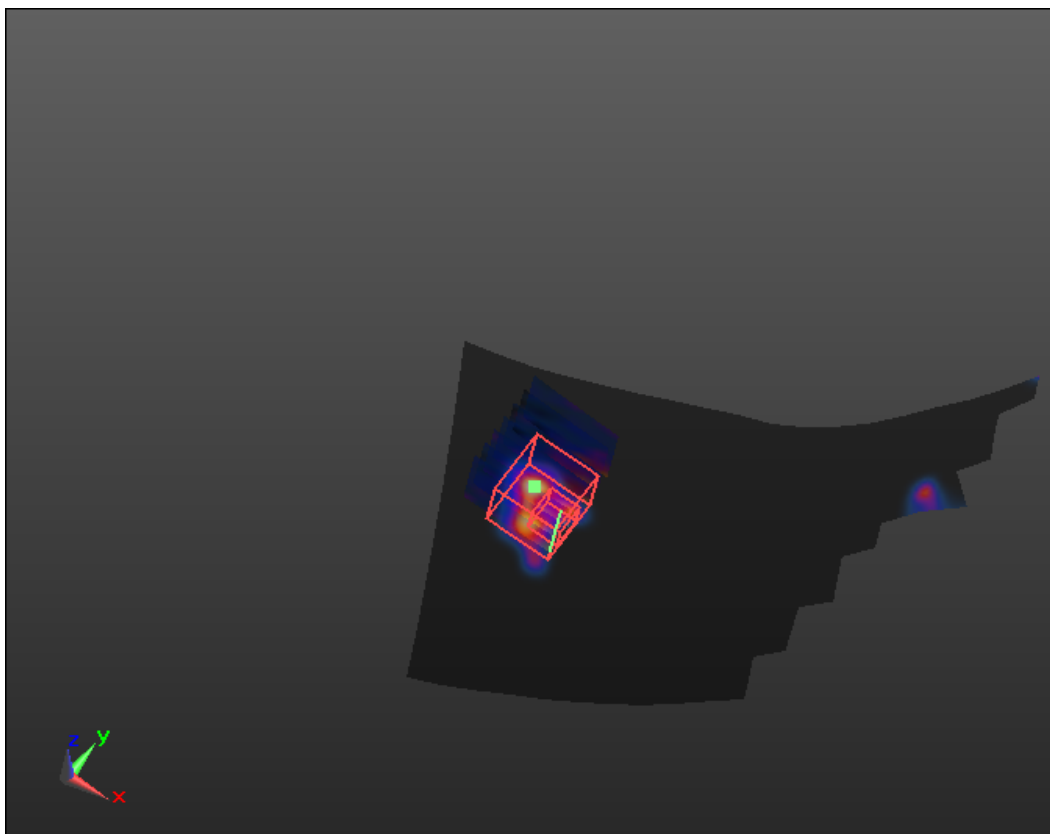
Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 2.468 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.034 mW/g

**SAR(1 g) = 0.00917 mW/g; SAR(10 g) = 0.00518 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.0123 mW/g



Test Laboratory: SGS North America

**HSL2450,2.4GHz , ISM,802.11b, DSSS, 1Mbps, High ch11, 2462MHz Right Touch w 3850mAh battery**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 2462 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.845$  mho/m;  $\epsilon_r = 38.661$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(7.38, 7.38, 7.38); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/HSL2450, 2.4GHz, ISM, 802.11b, DSSS, 1Mbps High ch11, 2462MHz, Right Touch w 3850mAh battery/Area Scan (111x191x1):**

Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.0505 mW/g

**Configuration/HSL2450, 2.4GHz, ISM, 802.11b, DSSS, 1Mbps High ch11, 2462MHz, Right Touch w 3850mAh battery/Zoom Scan (7x7x7)/Cube 0:**

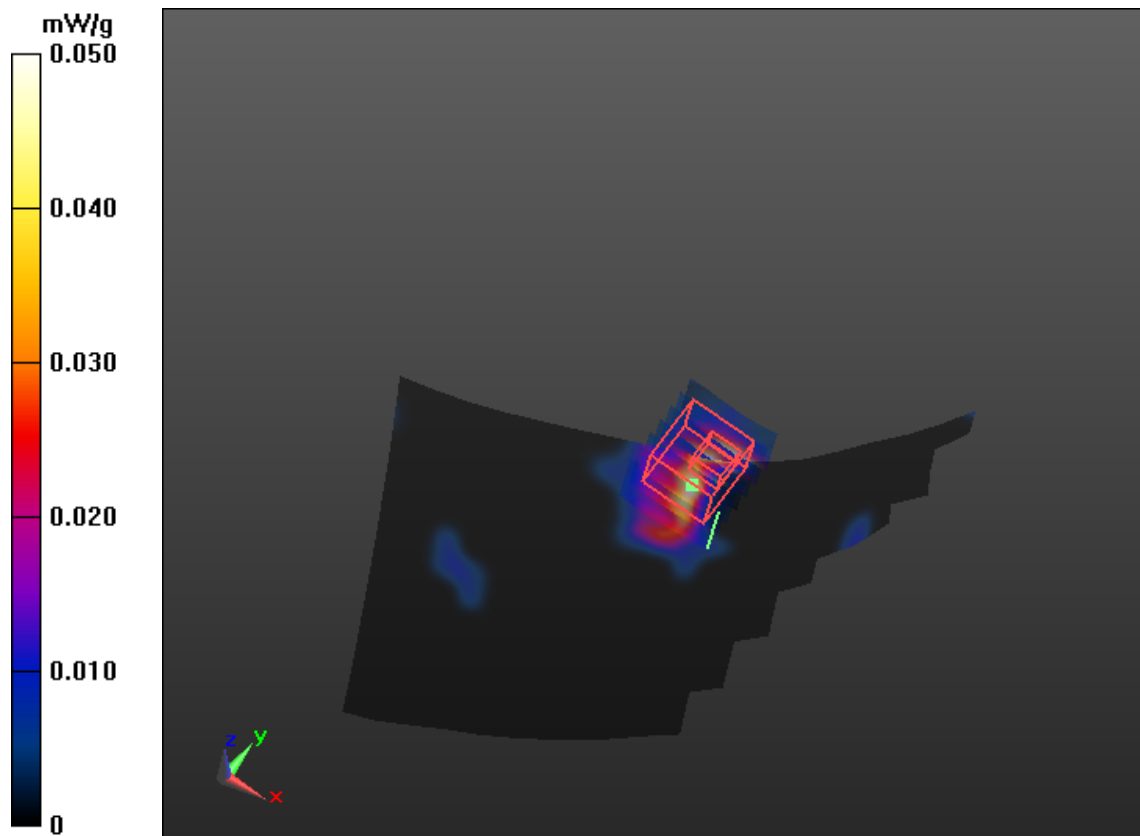
Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 1.845 V/m; Power Drift = 0.27 dB

Peak SAR (extrapolated) = 0.072 mW/g

**SAR(1 g) = 0.029 mW/g; SAR(10 g) = 0.012 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.0354 mW/g



Test Laboratory: SGS North America

**HSL2450,2.4GHz , ISM,802.11b, DSSS, 1Mbps, Low ch1, 2412MHz Right Touch w 3850mAh battery**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);

Frequency: 2412 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.789$  mho/m;  $\epsilon_r = 38.853$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(7.38, 7.38, 7.38); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/HSL2450, 2.4GHz, ISM, 802.11b, DSSS, 1Mbps Low ch1, 2412MHz, Right Touch w 3850mAh battery/Area Scan (111x191x1):**

Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.0410 mW/g

**Configuration/HSL2450, 2.4GHz, ISM, 802.11b, DSSS, 1Mbps Low ch1, 2412MHz, Right Touch w 3850mAh battery/Zoom Scan (7x7x7)/Cube 0:**

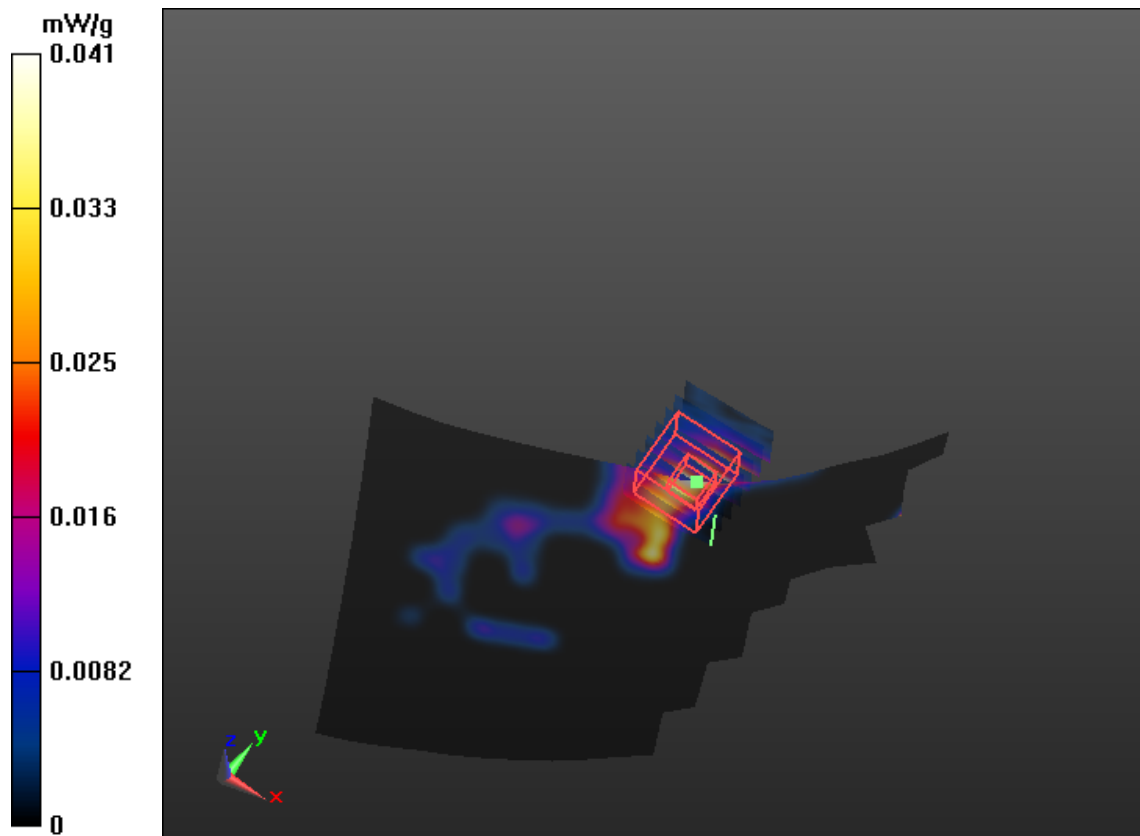
Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 1.807 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.056 mW/g

**SAR(1 g) = 0.030 mW/g; SAR(10 g) = 0.015 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.0354 mW/g



Date/Time: 7/18/2013 3:28:47 PM

Test Laboratory: SGS North America

**HSL2450,2.4GHz , ISM,802.11b, DSSS, 1Mbps, Mid ch6, 2437MHz Right Touch w 3850mAh battery**

**DUT: Intermec Catalina Handheld PC**

Communication System: CW; Communication System Band: FullSpan (0.0 - 6000.0 MHz);  
Frequency: 2437 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.849$  mho/m;  $\epsilon_r = 38.379$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

**DASY Configuration:**

- Probe: EX3DV4 - SN3812; ConvF(7.38, 7.38, 7.38); Calibrated: 12/12/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -3.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/HSL2450, 2.4GHz, ISM, 802.11b, DSSS, 1Mbps High ch6, 2437MHz, Right Touch w 3850mAh battery/Area Scan (111x191x1):**

Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.0377 mW/g

**Configuration/HSL2450, 2.4GHz, ISM, 802.11b, DSSS, 1Mbps High ch6, 2437MHz, Right Touch w 3850mAh battery/Zoom Scan (7x7x7)/Cube 0:**

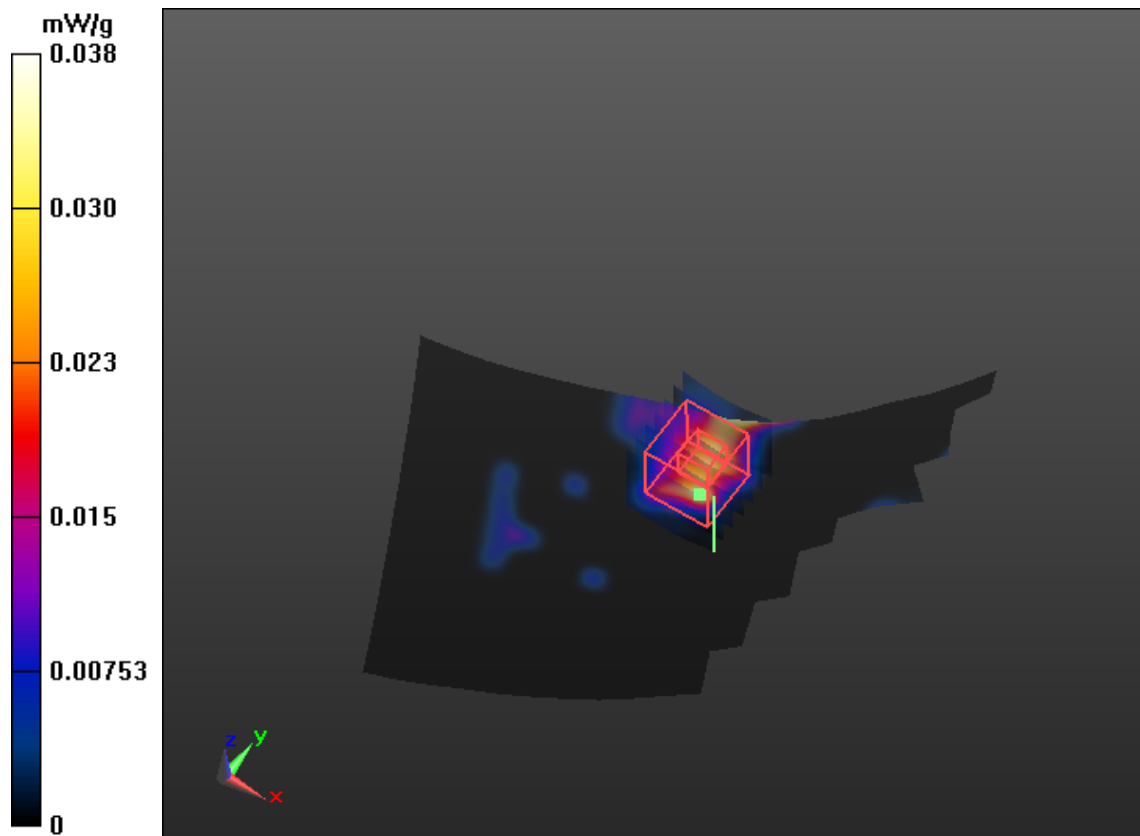
Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 2.121 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.043 mW/g

**SAR(1 g) = 0.023 mW/g; SAR(10 g) = 0.011 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.0287 mW/g



Test Laboratory: SGS North America

### **113 2450MHz BSL System validation 19June3013**

**DUT: Dipole 2450 MHz D2450V2; Type: D2450V2; Serial: D2450V2**

Communication System: CW; Communication System Band: CD2450 (2450.0 MHz);  
Frequency: 2450 MHz; Communication System PAR: 0 dB; PMF: 1  
Medium parameters used:  $f = 2450$  MHz;  $\sigma = 2.082$  mho/m;  $\epsilon_r = 51.986$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(7.01, 7.01, 7.01); Calibrated: 12/12/2012;
  - Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

#### **Configuration/2450MHz BSL System Validation/Area Scan (31x61x1):**

Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 6.41 mW/g

#### **Configuration/2450MHz BSL System Validation/Zoom Scan (7x7x7)/Cube 0:**

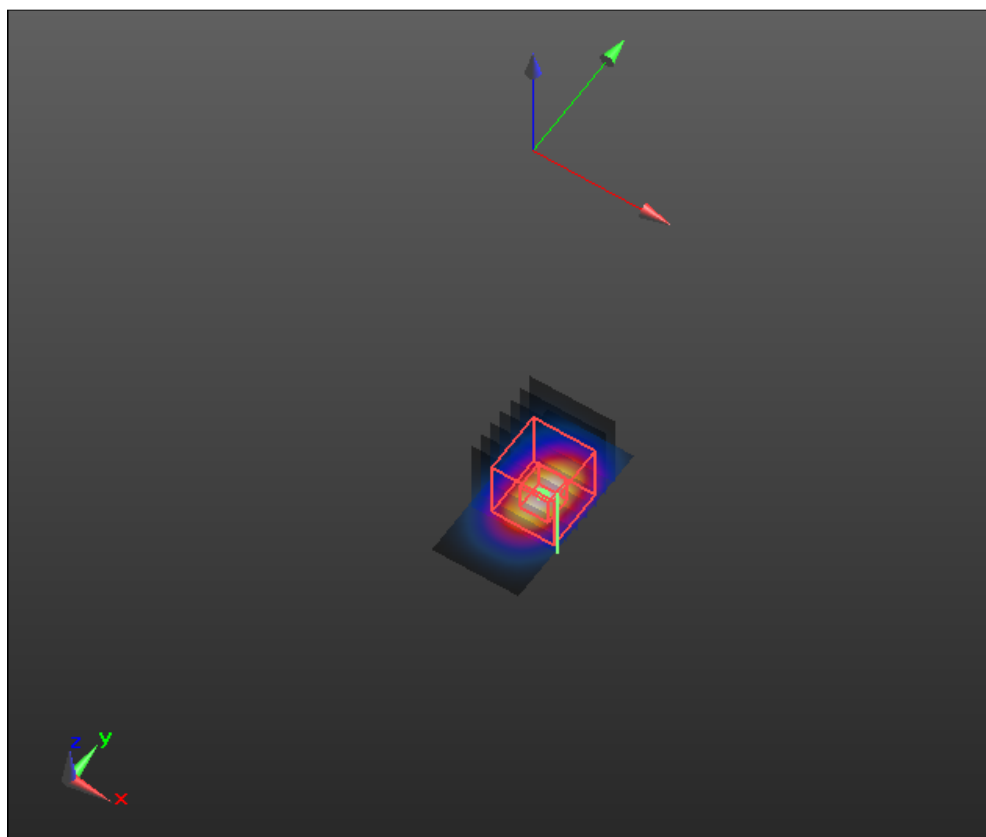
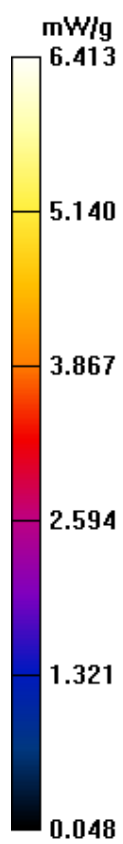
Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 53.799 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 11.169 mW/g

**SAR(1 g) = 5.28 mW/g; SAR(10 g) = 2.47 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 6.33 mW/g



Test Laboratory: SGS North America

## **114 835MHz BSL System validation 21June3013**

**DUT: Dipole 835 MHz D835V2; Type: D835V2; Serial: D835V2 - SN:4d123**

Communication System: CW; Communication System Band: D835 (835.0 MHz); Frequency: 835 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 835$  MHz;  $\sigma = 0.939$  mho/m;  $\epsilon_r = 54.667$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(9.13, 9.13, 9.13); Calibrated: 12/12/2012;
  - Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

### **Configuration/BSL 835MHz System Validation 21June2013/Area Scan**

**(41x131x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 1.00 mW/g

### **Configuration/BSL 835MHz System Validation 21June2013/Zoom Scan**

**(7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

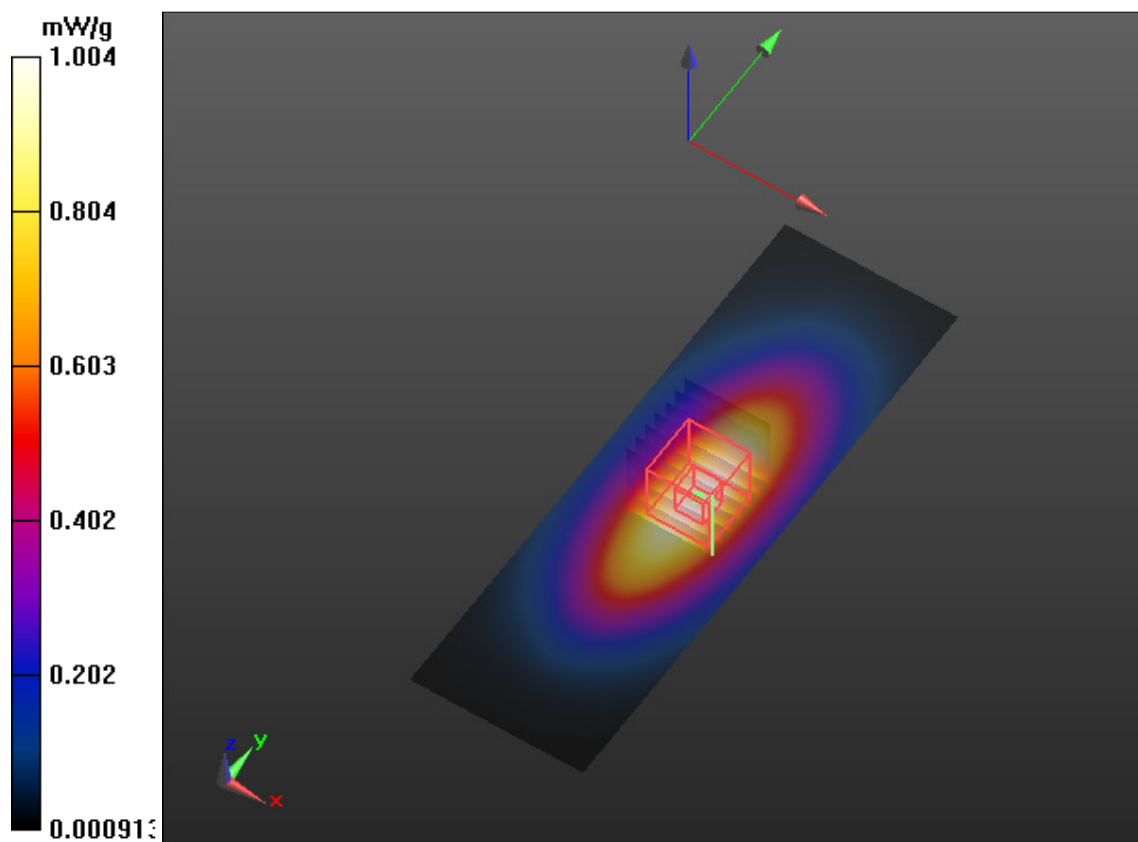
Reference Value = 32.603 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.354 mW/g

**SAR(1 g) = 0.957 mW/g; SAR(10 g) = 0.635 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.01 mW/g



Test Laboratory: SGS North America

## **115 835MHz BSL System validation 24June3013**

**DUT: Dipole 835 MHz D835V2; Type: D835V2; Serial: D835V2 - SN:4d123**

Communication System: CW; Communication System Band: D835 (835.0 MHz); Frequency: 835 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 835$  MHz;  $\sigma = 0.94$  mho/m;  $\epsilon_r = 54.42$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(9.13, 9.13, 9.13); Calibrated: 12/12/2012;
  - Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/BSL 835MHz System Validation 24June2013/Area Scan (41x131x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.981 mW/g

**Configuration/BSL 835MHz System Validation 24June2013/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

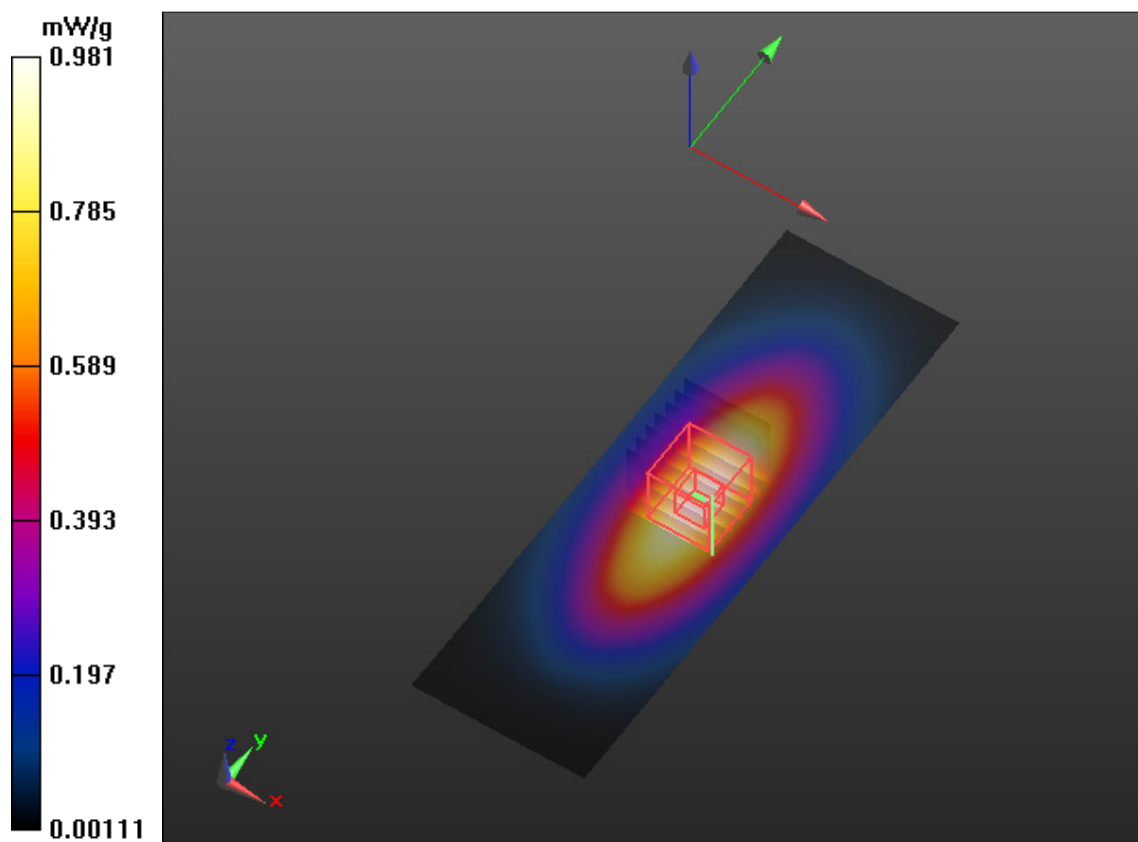
Reference Value = 32.395 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.327 mW/g

**SAR(1 g) = 0.930 mW/g; SAR(10 g) = 0.615 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.986 mW/g



Test Laboratory: SGS North America

## **116 835MHz BSL System validation 26June3013**

**DUT: Dipole 835 MHz D835V2; Type: D835V2; Serial: D835V2 - SN:4d123**

Communication System: CW; Communication System Band: D835 (835.0 MHz); Frequency: 835 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 835$  MHz;  $\sigma = 0.945$  mho/m;  $\epsilon_r = 54.18$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(9.13, 9.13, 9.13); Calibrated: 12/12/2012;
  - Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASYS 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/BSL 835MHz System Validation 26June2013/Area Scan (41x131x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.988 mW/g

**Configuration/BSL 835MHz System Validation 26June2013/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

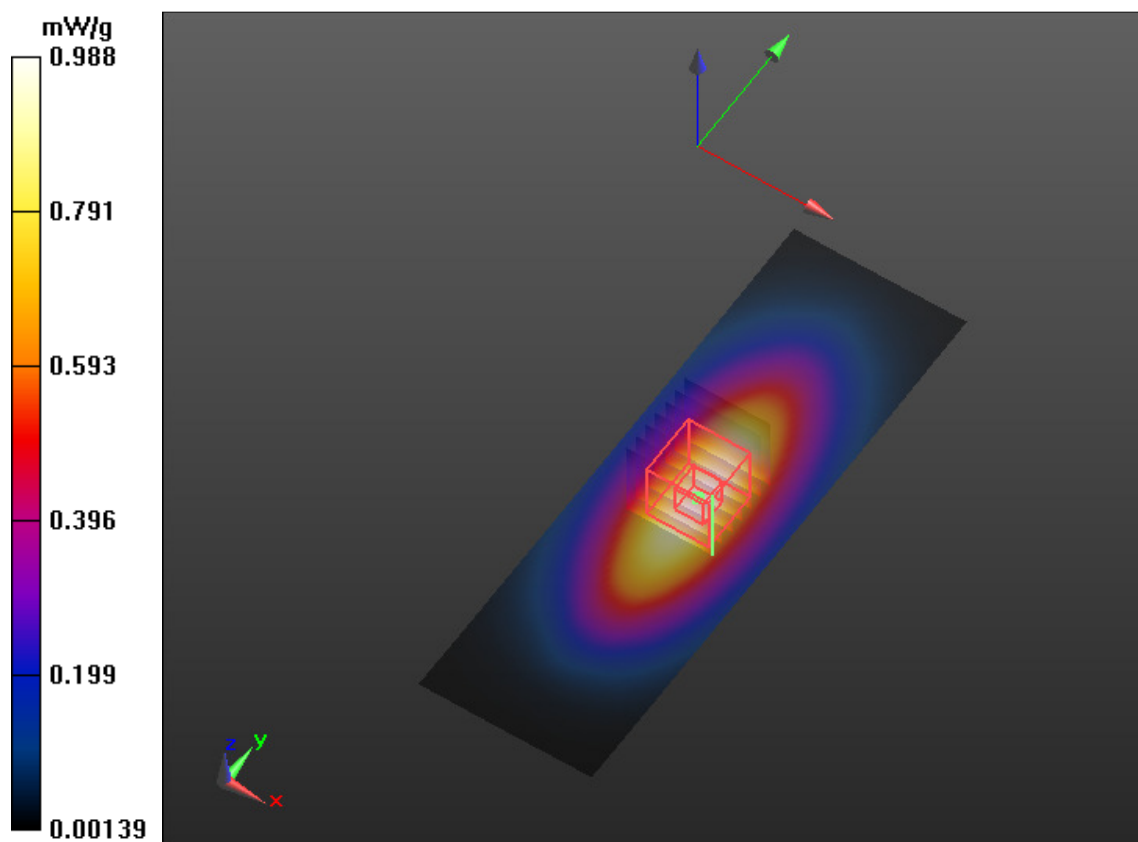
Reference Value = 32.524 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.321 mW/g

**SAR(1 g) = 0.929 mW/g; SAR(10 g) = 0.619 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.987 mW/g



Test Laboratory: SGS North America

## **117 1900MHz BSL System validation 27June2013**

**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d144**

Communication System: CW; Communication System Band: D1900 (1900.0 MHz);

Frequency: 1900 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.578$  mho/m;  $\epsilon_r = 53.04$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(7.36, 7.36, 7.36); Calibrated: 12/12/2012;
  - Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

### **Configuration/BSL 1900MHz System Validation 27June2013/Area Scan**

**(31x101x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (interpolated) = 4.78 mW/g

### **Configuration/BSL 1900MHz System Validation 27June2013/Zoom Scan**

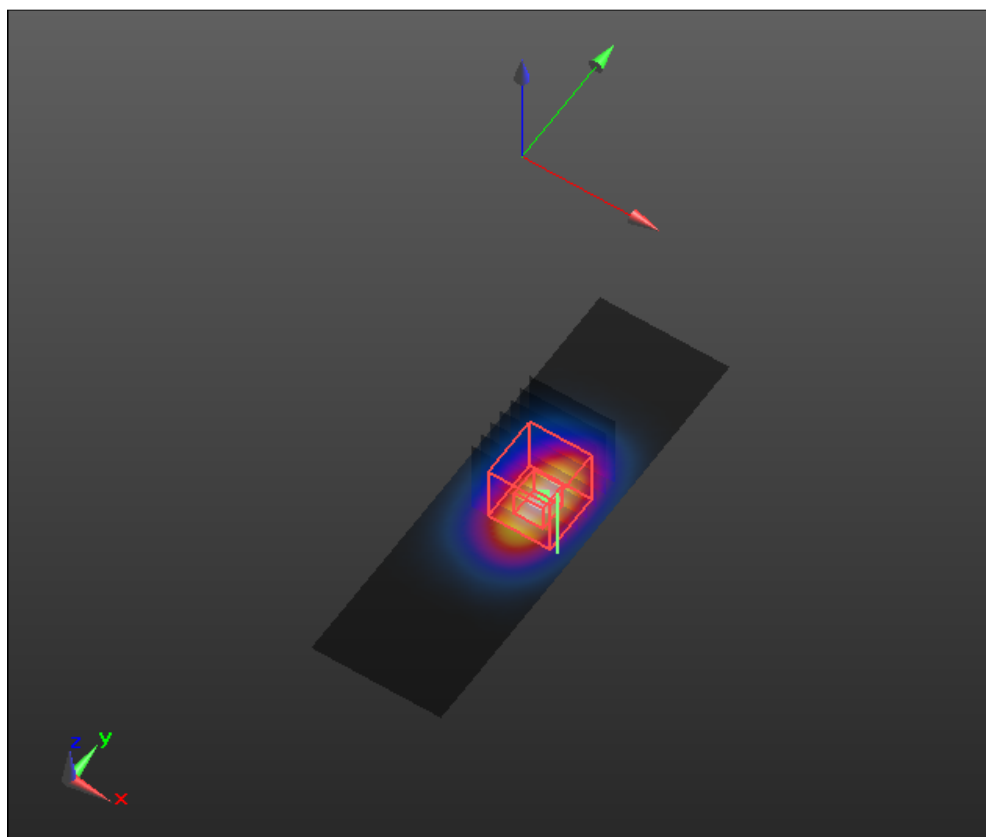
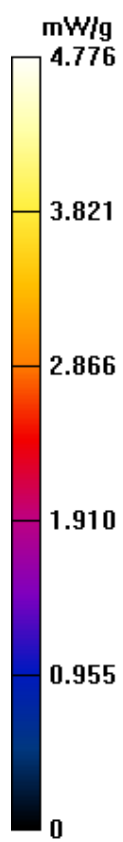
**(7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 51.874 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 7.405 mW/g

**SAR(1 g) = 3.96 mW/g; SAR(10 g) = 2.08 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.56 mW/g



Test Laboratory: SGS North America

## **118 1900MHz BSL System validation 1July2013**

**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d144**

Communication System: CW; Communication System Band: D1900 (1900.0 MHz);

Frequency: 1900 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.585$  mho/m;  $\epsilon_r = 52.934$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(7.36, 7.36, 7.36); Calibrated: 12/12/2012;
  - Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

### **Configuration/BSL 1900MHz System Validation 1July2013/Area Scan**

**(31x101x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (interpolated) = 4.88 mW/g

### **Configuration/BSL 1900MHz System Validation 1July2013/Zoom Scan**

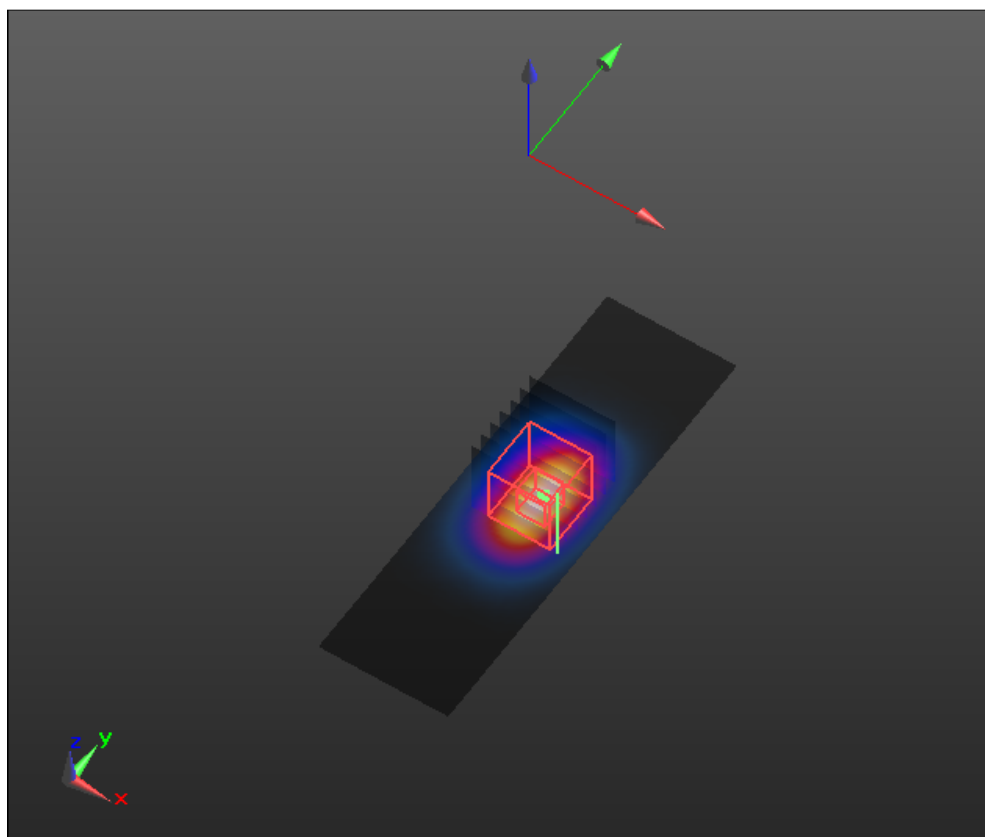
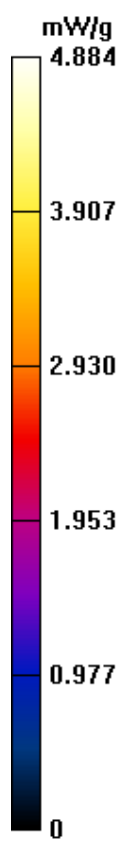
**(7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 53.616 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 7.597 mW/g

**SAR(1 g) = 4.04 mW/g; SAR(10 g) = 2.12 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.70 mW/g



Test Laboratory: SGS North America

## **119 1900MHz BSL System validation 5July2013**

**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d144**

Communication System: CW; Communication System Band: D1900 (1900.0 MHz);

Frequency: 1900 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.585$  mho/m;  $\epsilon_r = 52.662$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(7.36, 7.36, 7.36); Calibrated: 12/12/2012;
  - Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

### **Configuration/BSL 1900MHz System Validation 5July2013/Area Scan**

**(31x101x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (interpolated) = 4.81 mW/g

### **Configuration/BSL 1900MHz System Validation 5July2013/Zoom Scan**

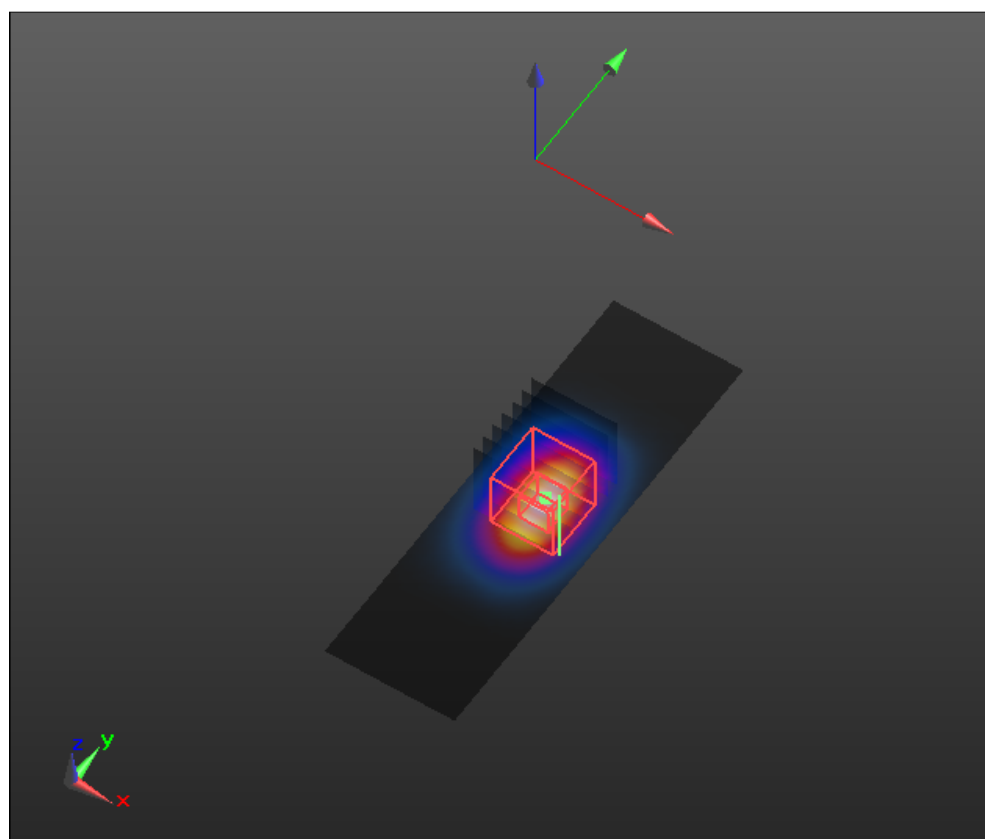
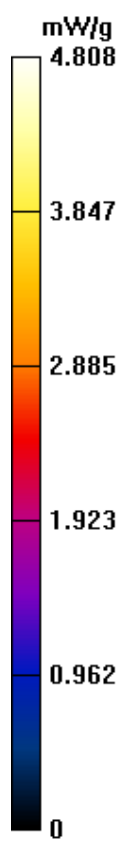
**(7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 53.929 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 7.558 mW/g

**SAR(1 g) = 4.02 mW/g; SAR(10 g) = 2.11 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.63 mW/g



Test Laboratory: SGS North America

## **120 1900MHz BSL System validation 8July2013**

**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d144**

Communication System: CW; Communication System Band: D1900 (1900.0 MHz);

Frequency: 1900 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.577$  mho/m;  $\epsilon_r = 52.597$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(7.36, 7.36, 7.36); Calibrated: 12/12/2012;
  - Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1146
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

### **Configuration/BSL 1900MHz System Validation 8July2013/Area Scan**

**(31x101x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (interpolated) = 4.81 mW/g

### **Configuration/BSL 1900MHz System Validation 8July2013/Zoom Scan**

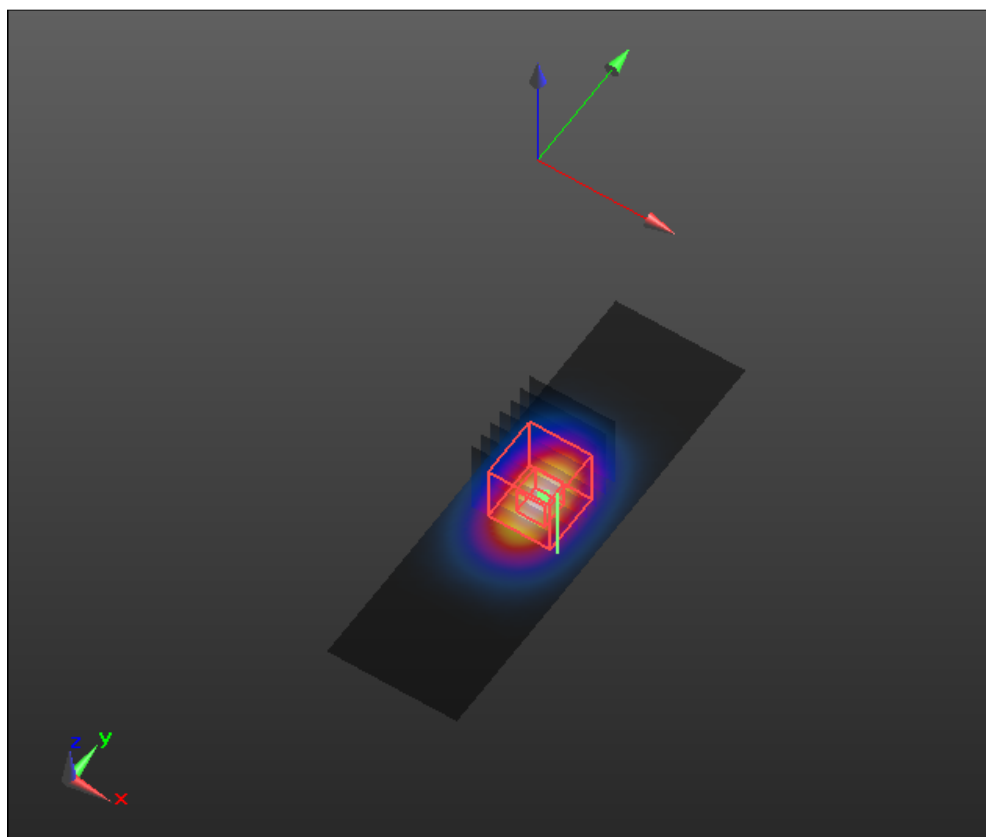
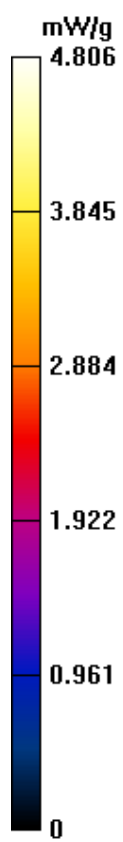
**(7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 53.079 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 7.489 mW/g

**SAR(1 g) = 3.99 mW/g; SAR(10 g) = 2.09 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.60 mW/g



Test Laboratory: SGS North America

## **121 835MHz HSL System validation 10July2013**

**DUT: Dipole 835 MHz D835V2; Type: D835V2; Serial: D835V2 - SN:4d123**

Communication System: CW; Communication System Band: D835 (835.0 MHz); Frequency: 835 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 835$  MHz;  $\sigma = 0.881$  mho/m;  $\epsilon_r = 40.104$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(9.17, 9.17, 9.17); Calibrated: 12/12/2012;
  - Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

### **Configuration/835MHz HSL System Validation/Area Scan (31x181x1):**

Measurement grid:  $dx=10$ mm,  $dy=10$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.980 mW/g

### **Configuration/835MHz HSL System Validation/Zoom Scan (7x7x7)/Cube 0:**

Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

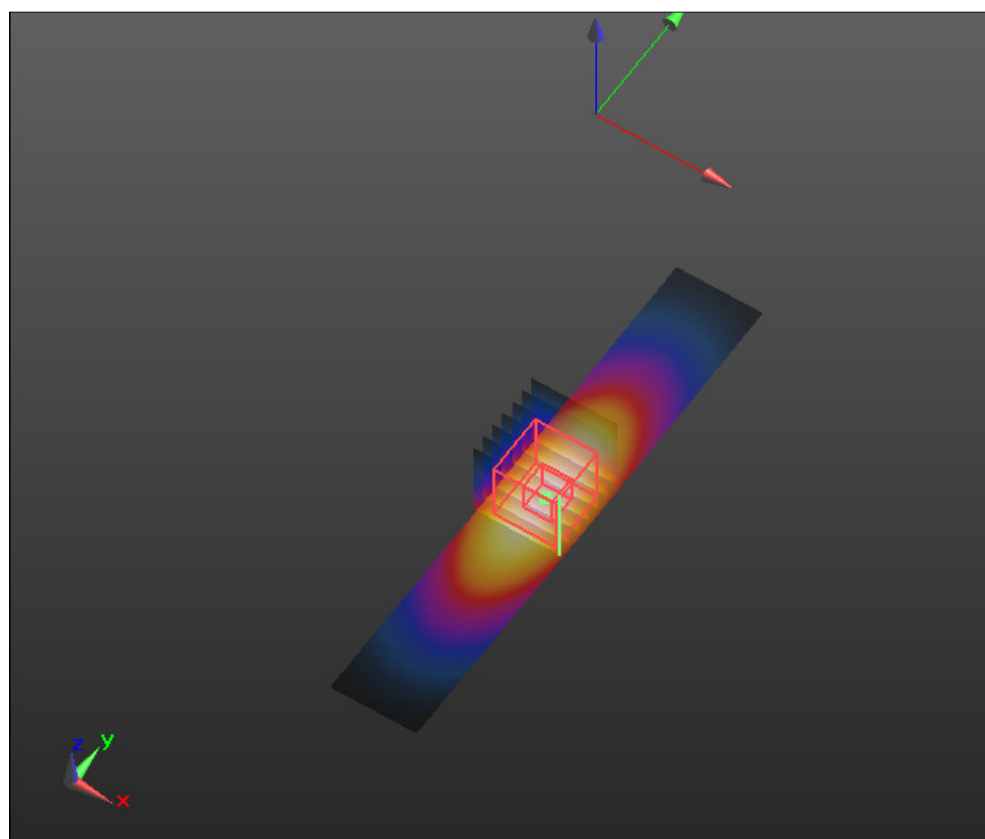
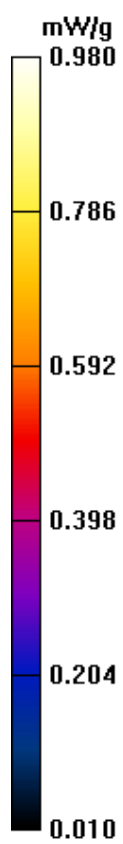
Reference Value = 33.736 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.362 mW/g

**SAR(1 g) = 0.932 mW/g; SAR(10 g) = 0.611 mW/g** (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.986 mW/g



Test Laboratory: SGS North America

## **122 1900MHz HSL System validation 13July2013**

**DUT: Dipole 1900 MHz D1900V2; Type: D1900V2; Serial: D1900V2 - SN:5d144**

Communication System: CW; Communication System Band: D1900 (1900.0 MHz);

Frequency: 1900 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.457$  mho/m;  $\epsilon_r = 38.646$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(8.18, 8.18, 8.18); Calibrated: 12/12/2012;
  - Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

### **Configuration/1900MHz HSL System Validation 13July2013/Area Scan**

**(31x101x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (interpolated) = 4.35 mW/g

### **Configuration/1900MHz HSL System Validation 13July2013/Zoom Scan**

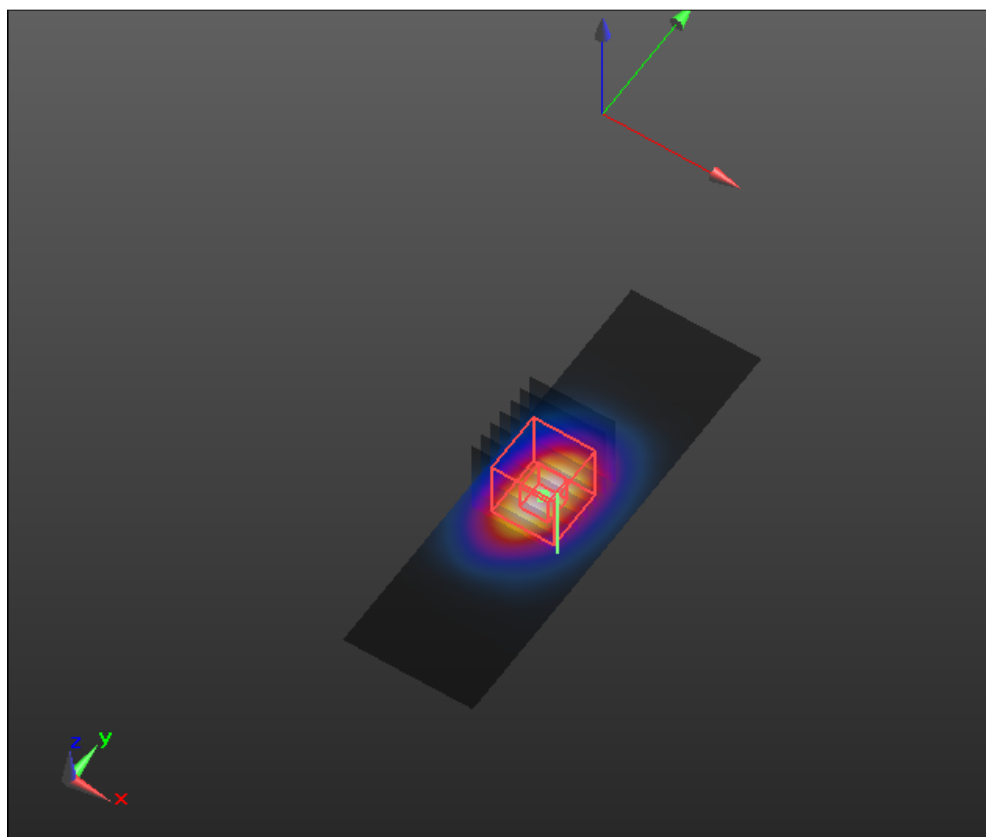
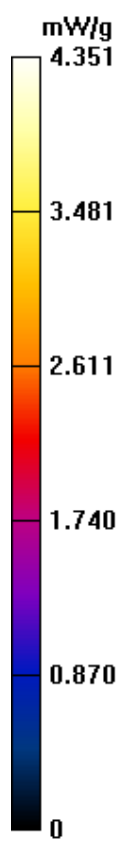
**(7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 52.458 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 7.202 mW/g

**SAR(1 g) = 3.72 mW/g; SAR(10 g) = 1.94 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.33 mW/g



Test Laboratory: SGS North America

### **123 1900MHz HSL System validation 15July2013**

**DUT: Dipole 1900 MHz D1900V2; Type: D1900V2; Serial: D1900V2 - SN:5d144**

Communication System: CW; Communication System Band: D1900 (1900.0 MHz);

Frequency: 1900 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.457$  mho/m;  $\epsilon_r = 38.712$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(8.18, 8.18, 8.18); Calibrated: 12/12/2012;
  - Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

### **Configuration/1900MHz HSL System Validation 15July2013/Area Scan**

**(31x101x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (interpolated) = 4.34 mW/g

### **Configuration/1900MHz HSL System Validation 15July2013/Zoom Scan**

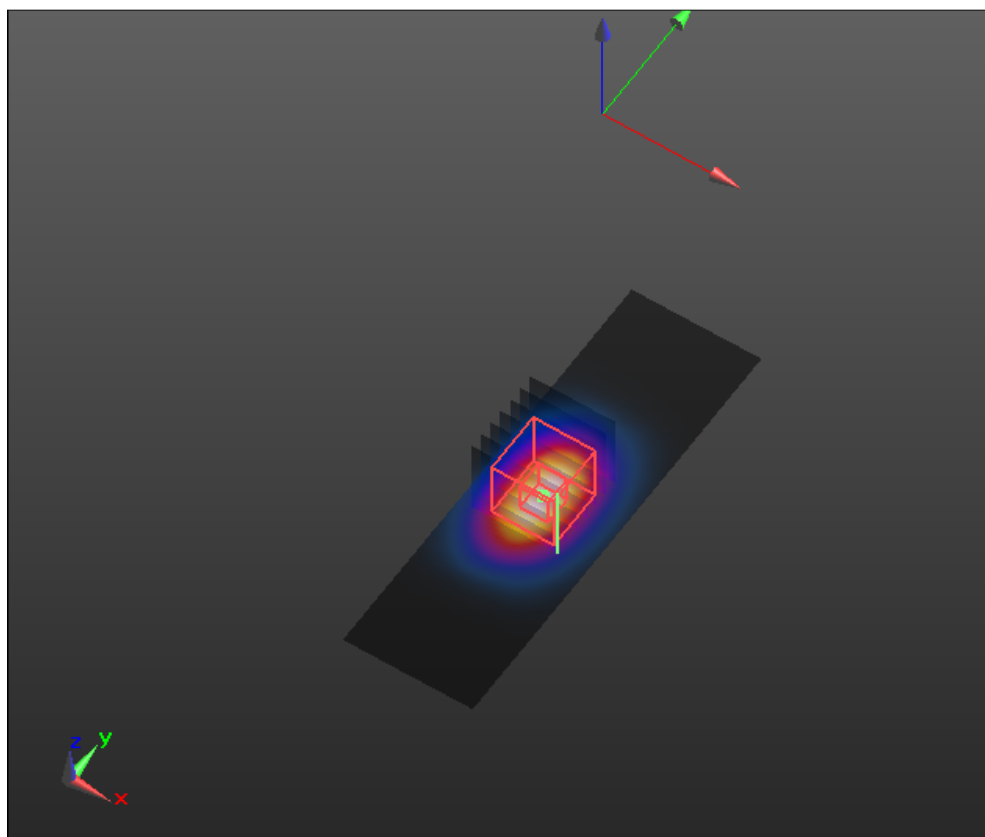
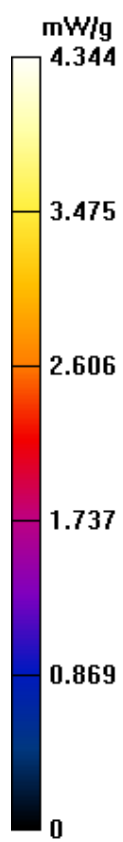
**(7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 52.607 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 7.247 mW/g

**SAR(1 g) = 3.72 mW/g; SAR(10 g) = 1.94 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.34 mW/g



Test Laboratory: SGS North America

## **124 1900MHz HSL System validation 17July2013**

**DUT: Dipole 1900 MHz D1900V2; Type: D1900V2; Serial: D1900V2 - SN:5d144**

Communication System: CW; Communication System Band: D1900 (1900.0 MHz);

Frequency: 1900 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.451$  mho/m;  $\epsilon_r = 38.519$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3812; ConvF(8.18, 8.18, 8.18); Calibrated: 12/12/2012;
  - Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1287; Calibrated: 10/4/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1665
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

### **Configuration/1900MHz HSL System Validation 17July2013/Area Scan**

**(31x101x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (interpolated) = 4.40 mW/g

### **Configuration/1900MHz HSL System Validation 17July2013/Zoom Scan**

**(7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 54.059 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 7.119 mW/g

**SAR(1 g) = 3.67 mW/g; SAR(10 g) = 1.91 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.22 mW/g

