

Test Lab: EMCTech

Test File: M170217 Head 850 MHz GSM FCC.da52:2

DUT Name: Blackline Safety GSM-3G Transmitter, Type: HMN: G7C, Serial: 3566000154**Configuration: Face Frontal 10mm Spacing H2S Cartridge GPRS Class 8 14-03-17**

Communication System: 0 - Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz);

Frequency: 848.6 MHz; Communication System PAR: 9.19 dB; PMF: 2.88; Duty Cycle: 1:8.30

Medium Parameters used: $f=848.5$ MHz; $\sigma = 0.92$ S/m; $\epsilon_r = 42.6$; $\rho = 1000.0\text{g/cm}^3$

Phantom section: Flat Section

DASY Configuration:

Probe: ET3DV6 - SN1380; ConvF: (6.26,6.26,6.26); Calibrated: 8/12/2016;

Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))

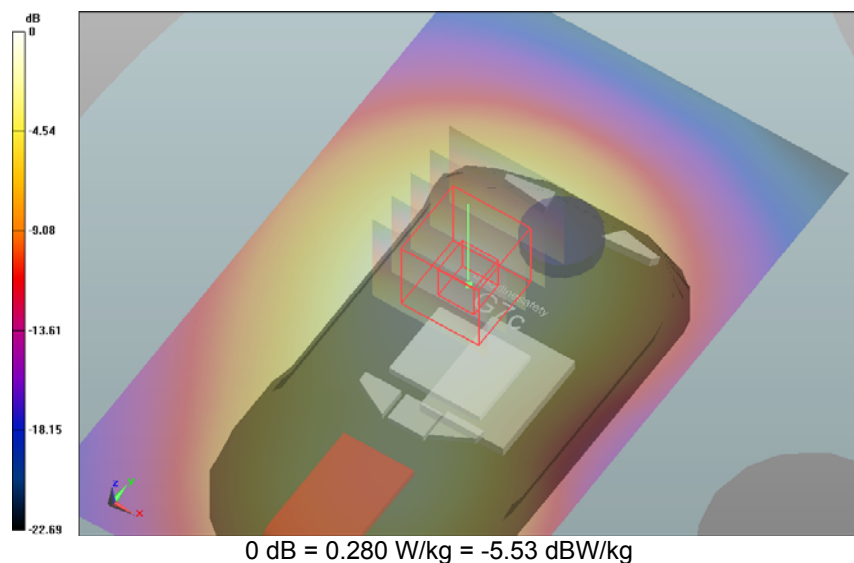
Electronics: DAE3 Sn442; Calibrated: 6/12/2016

Phantom: SAM 12; Type: SAM 12; Serial: 1060

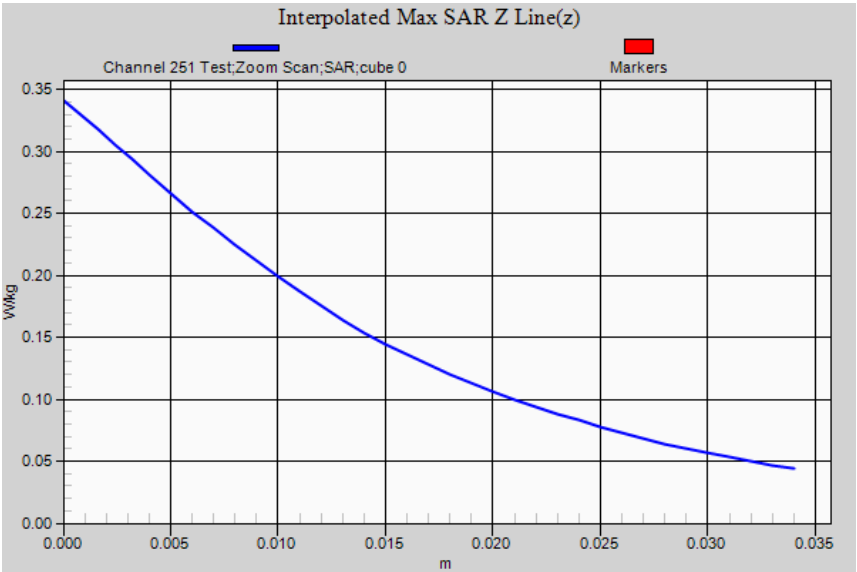
DASY52 52.8.8(1258); SEMCAD X Version 14.6.10 (7373)

Face Frontal 10mm Spacing H2S Cartridge GPRS Class 8 14-03-17/Channel 251 Test/Area Scan (71x121x1):Interpolated grid: $dx=1.5$ mm, $dy=1.5$ mm; Maximum value of SAR (interpolated) = 0.280 W/kg**Face Frontal 10mm Spacing H2S Cartridge GPRS Class 8 14-03-17/Channel 251 Test/Zoom Scan****(21x21x36)/Cube 0:** Interpolated grid: $dx=1.6$ mm, $dy=1.6$ mm, $dz=1.0$ mm; Reference Value = 15.189 V/m;**Power Drift = -0.08 dB****Averaged SAR: SAR(1g) = 0.263 W/kg; SAR(10g) = 0.185 W/kg**

Maximum value of SAR (interpolated) = 0.341 W/kg



SAR Measurement Plot 29



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Test Lab: EMCTech

Test File: M170217 Head 850 MHz GSM FCC.da52:3

DUT Name: Blackline Safety GSM-3G Transmitter, Type: HMN: G7C, Serial: 3568000104**Configuration: Face Frontal 10mm Spacing O2 CO H2S LEL Cartridge GPRS Class 8 14-03-17**

Communication System: 0 - Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz);

Frequency: 824.2 MHz; Communication System PAR: 9.19 dB; PMF: 2.88; Duty Cycle: 1:8.30

Medium Parameters used: $f=824$ MHz; $\sigma = 0.89$ S/m; $\epsilon_r = 42.9$; $\rho = 1000.0$ g/cm³

Phantom section: Flat Section

DASY Configuration:

Probe: ET3DV6 - SN1380; ConvF: (6.26,6.26,6.26); Calibrated: 8/12/2016;

Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))

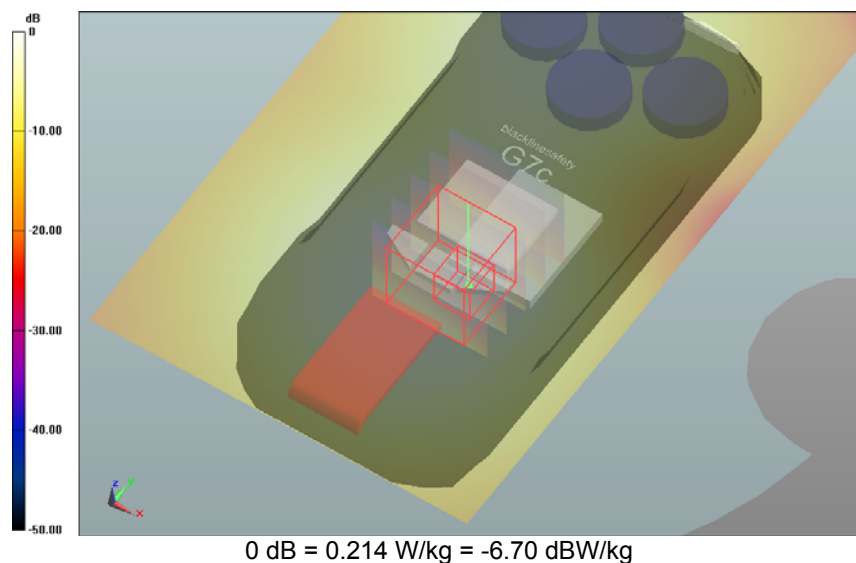
Electronics: DAE3 Sn442; Calibrated: 6/12/2016

Phantom: SAM 12; Type: SAM 12; Serial: 1060

DASY52 52.8.8(1258); SEMCAD X Version 14.6.10 (7373)

Face Frontal 10mm Spacing O2 CO H2S LEL Cartridge GPRS Class 8 14-03-17/Channel 128 Test/Area Scan (71x121x1): Interpolated grid: $dx=1.5$ mm, $dy=1.5$ mm; Maximum value of SAR (interpolated) = 0.214 W/kg**Face Frontal 10mm Spacing O2 CO H2S LEL Cartridge GPRS Class 8 14-03-17/Channel 128 Test/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: $dx=1.6$ mm, $dy=1.6$ mm, $dz=1.0$ mm; Reference Value = 9.006 V/m; Power Drift = -0.02 dB**Averaged SAR: SAR(1g) = 0.225 W/kg; SAR(10g) = 0.120 W/kg**

Maximum value of SAR (interpolated) = 0.514 W/kg

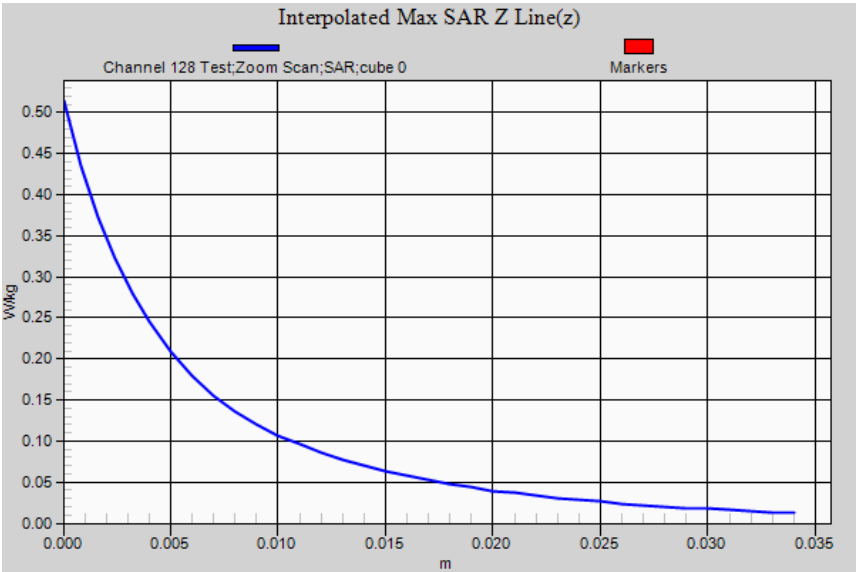


SAR Measurement Plot 30



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Test Lab: EMCTech

Test File: M170217 Head 850 MHz GSM FCC.da52:3

DUT Name: Blackline Safety GSM-3G Transmitter, Type: HMN: G7C, Serial: 3568000104**Configuration: Face Frontal 10mm Spacing O2 CO H2S LEL Cartridge GPRS Class 8 14-03-17**

Communication System: 0 - Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz);

Frequency: 836.6 MHz; Communication System PAR: 9.19 dB; PMF: 2.88; Duty Cycle: 1:8.30

Medium Parameters used: $f=836.5$ MHz; $\sigma = 0.91$ S/m; $\epsilon_r = 42.7$; $\rho = 1000.0\text{g/cm}^3$

Phantom section: Flat Section

DASY Configuration:

Probe: ET3DV6 - SN1380; ConvF: (6.26,6.26,6.26); Calibrated: 8/12/2016;

Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))

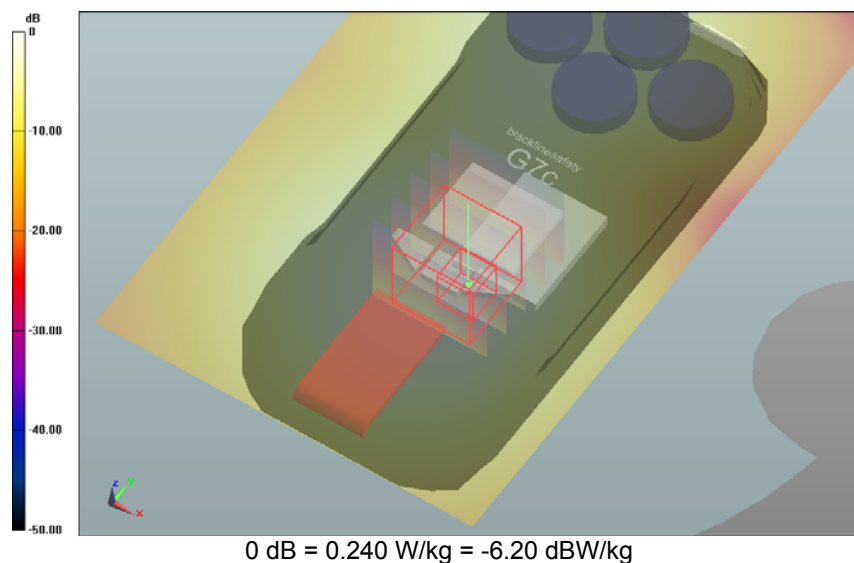
Electronics: DAE3 Sn442; Calibrated: 6/12/2016

Phantom: SAM 12; Type: SAM 12; Serial: 1060

DASY52 52.8.8(1258); SEMCAD X Version 14.6.10 (7373)

Face Frontal 10mm Spacing O2 CO H2S LEL Cartridge GPRS Class 8 14-03-17/Channel 190 Test/Area Scan (71x121x1): Interpolated grid: $dx=1.5$ mm, $dy=1.5$ mm; Maximum value of SAR (interpolated) = 0.240 W/kg**Face Frontal 10mm Spacing O2 CO H2S LEL Cartridge GPRS Class 8 14-03-17/Channel 190 Test/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: $dx=1.6$ mm, $dy=1.6$ mm, $dz=1.0$ mm; Reference Value = 9.659 V/m; Power Drift = 0.02 dB**Averaged SAR: SAR(1g) = 0.254 W/kg; SAR(10g) = 0.135 W/kg**

Maximum value of SAR (interpolated) = 0.584 W/kg

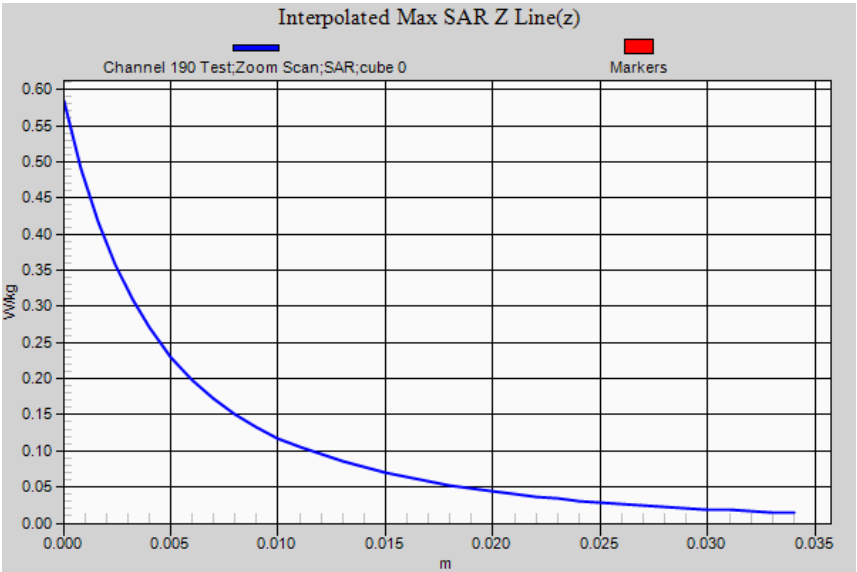


SAR Measurement Plot 31



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Test Lab: EMCTech

Test File: M170217 Head 850 MHz GSM FCC.da52:3

DUT Name: Blackline Safety GSM-3G Transmitter, Type: HMN: G7C, Serial: 3568000104**Configuration: Face Frontal 10mm Spacing O2 CO H2S LEL Cartridge GPRS Class 8 14-03-17**

Communication System: 0 - Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz);

Frequency: 848.6 MHz; Communication System PAR: 9.19 dB; PMF: 2.88; Duty Cycle: 1:8.30

Medium Parameters used: $f=848.5$ MHz; $\sigma = 0.92$ S/m; $\epsilon_r = 42.6$; $\rho = 1000.0\text{g/cm}^3$

Phantom section: Flat Section

DASY Configuration:

Probe: ET3DV6 - SN1380; ConvF: (6.26,6.26,6.26); Calibrated: 8/12/2016;

Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))

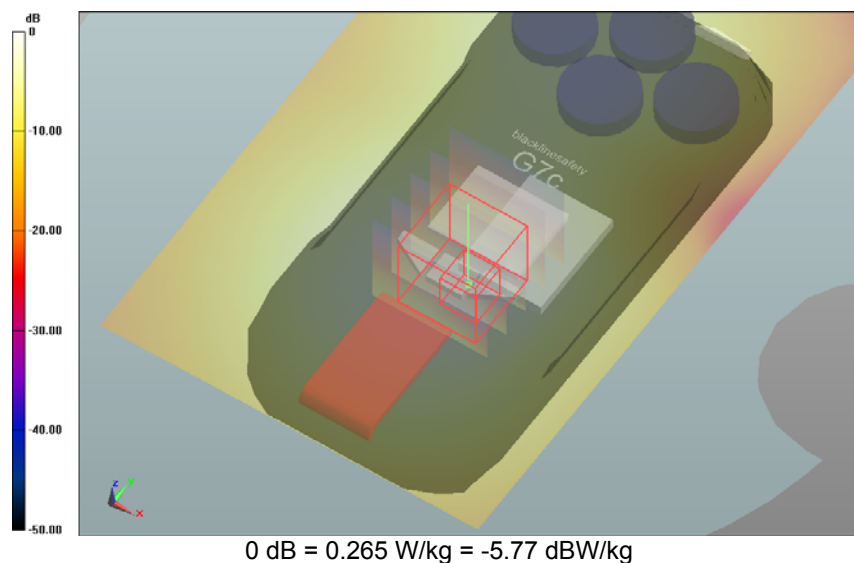
Electronics: DAE3 Sn442; Calibrated: 6/12/2016

Phantom: SAM 12; Type: SAM 12; Serial: 1060

DASY52 52.8.8(1258); SEMCAD X Version 14.6.10 (7373)

Face Frontal 10mm Spacing O2 CO H2S LEL Cartridge GPRS Class 8 14-03-17/Channel 251 Test/Area Scan (71x121x1): Interpolated grid: $dx=1.5$ mm, $dy=1.5$ mm; Maximum value of SAR (interpolated) = 0.265 W/kg**Face Frontal 10mm Spacing O2 CO H2S LEL Cartridge GPRS Class 8 14-03-17/Channel 251 Test/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: $dx=1.6$ mm, $dy=1.6$ mm, $dz=1.0$ mm; Reference Value = 10.502 V/m; Power Drift = -0.04 dB**Averaged SAR: SAR(1g) = 0.274 W/kg; SAR(10g) = 0.148 W/kg**

Maximum value of SAR (interpolated) = 0.608 W/kg

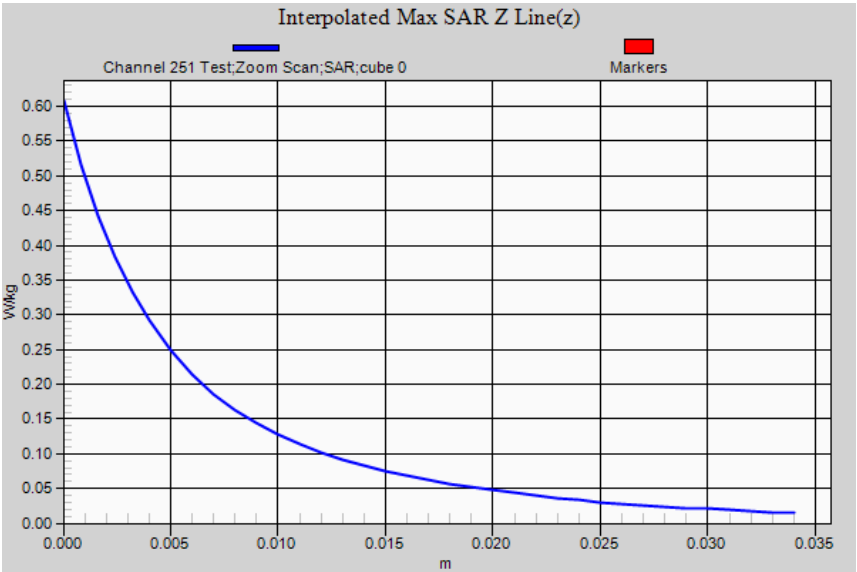


SAR Measurement Plot 32



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Test Lab: EMCTech

Test File: M170217 Head 850 MHz GSM FCC.da52:4

DUT Name: Dipole 900 MHz, Type: DV900V2, Serial: 047**Configuration: System Check 14-03-17**

Communication System: 0 - CW; Communication System Band: 900 MHz; Frequency: 900.0 MHz; Communication System PAR: 0.00 dB; PMF: 0.00; Duty Cycle: 1:1.00

Medium Parameters used: $f=900$ MHz; $\sigma = 0.97$ S/m; $\epsilon_r = 42.0$; $\rho = 1000.0$ g/cm³

Phantom section: Flat Section

DASY Configuration:

Probe: ET3DV6 - SN1380; ConvF: (6.26,6.26,6.26); Calibrated: 8/12/2016;

Sensor-Surface: 4 mm (Mechanical Surface Detection)

Electronics: DAE3 Sn442; Calibrated: 6/12/2016

Phantom: SAM 12; Type: SAM 12; Serial: 1060

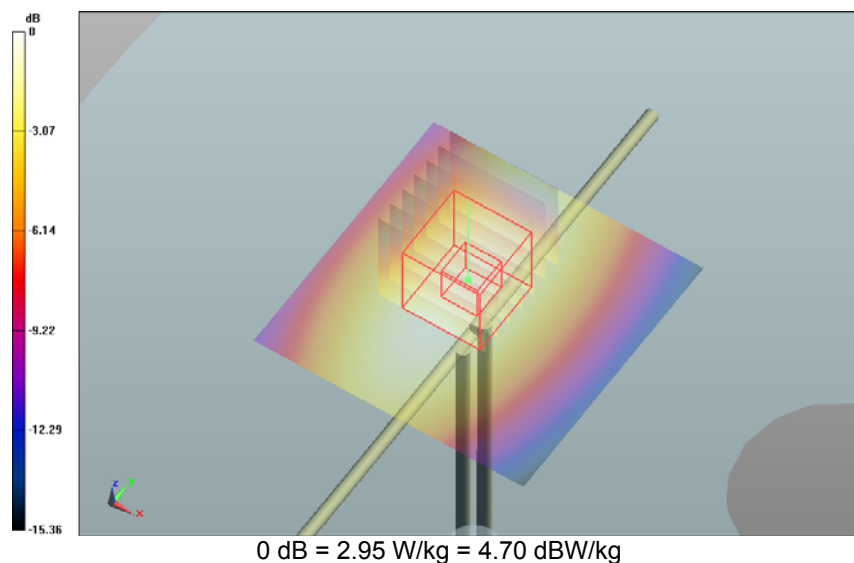
DASY52 52.8.8(1258); SEMCAD X Version 14.6.10 (7373)

System Check 14-03-17/Channel 1 Test/Area Scan (51x51x1): Interpolated grid: dx=1.5 mm, dy=1.5 mm;

Maximum value of SAR (interpolated) = 2.950 W/kg

System Check 14-03-17/Channel 1 Test/Zoom Scan (31x31x36)/Cube 0: Interpolated grid: dx=1.0 mm, dy=1.0mm, dz=1.0 mm; Reference Value = 57.977 V/m; **Power Drift = -0.00 dB****Averaged SAR: SAR(1g) = 2.730 W/kg; SAR(10g) = 1.760 W/kg**

Maximum value of SAR (interpolated) = 4.010 W/kg

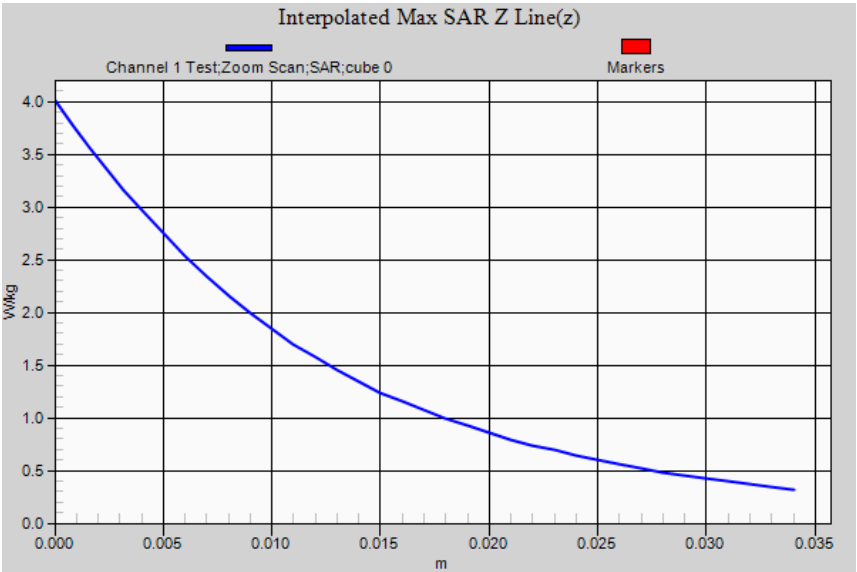


SAR Measurement Plot 33



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Test Lab: EMCTech Test File: M170217 Body 850 MHz GPRS FCC.da52:0

DUT Name: Blackline Safety GSM-3G Transmitter, Type: HMN: G7C, Serial: 3566000154

Configuration: Body Worn Belt Clip Standard Cartridge GPRS Class 8 14-03-17

Communication System: 0 - GPRS Class 08; Communication System Band: 850 MHz GSM; Frequency: 824.2 MHz; Communication System PAR: 9.38 dB; PMF: 2.94; Duty Cycle: 1:8.67

Medium Parameters used: $f=824$ MHz; $\sigma = 0.97$ S/m; $\epsilon_r = 54.2$; $\rho = 1000.0$ g/cm³

Phantom section: Flat Section

DASY Configuration:

Probe: ET3DV6 - SN1380; ConvF: (6.2,6.2,6.2); Calibrated: 8/12/2016;

Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))

Electronics: DAE3 Sn442; Calibrated: 6/12/2016

Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1101

DASY52 52.8.8(1258); SEMCAD X Version 14.6.10 (7373)

Body Worn Belt Clip Standard Cartridge GPRS Class 8 14-03-17/Channel 128 Test/Area Scan (71x121x1):

Interpolated grid: $dx=1.5$ mm, $dy=1.5$ mm; Maximum value of SAR (interpolated) = 0.284 W/kg

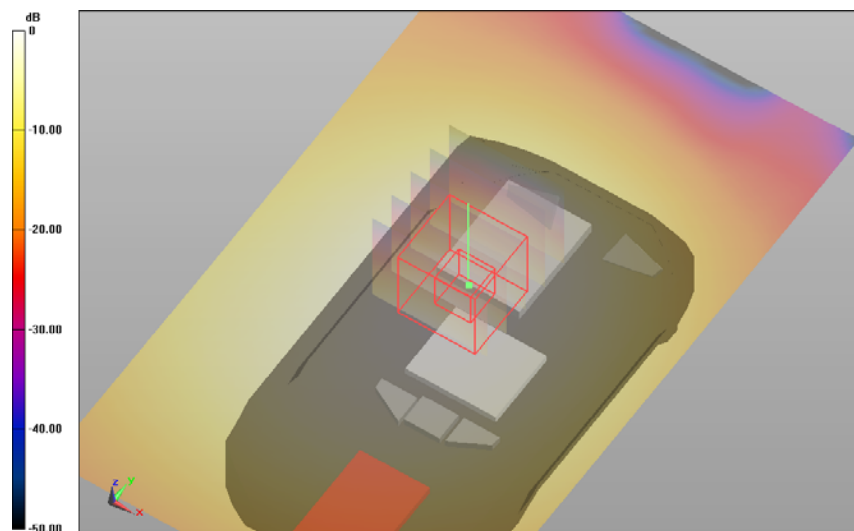
Body Worn Belt Clip Standard Cartridge GPRS Class 8 14-03-17/Channel 128 Test/Zoom Scan

(21x21x36)/Cube 0: Interpolated grid: $dx=1.6$ mm, $dy=1.6$ mm, $dz=1.0$ mm; Reference Value = 15.527 V/m;

Power Drift = 0.02 dB

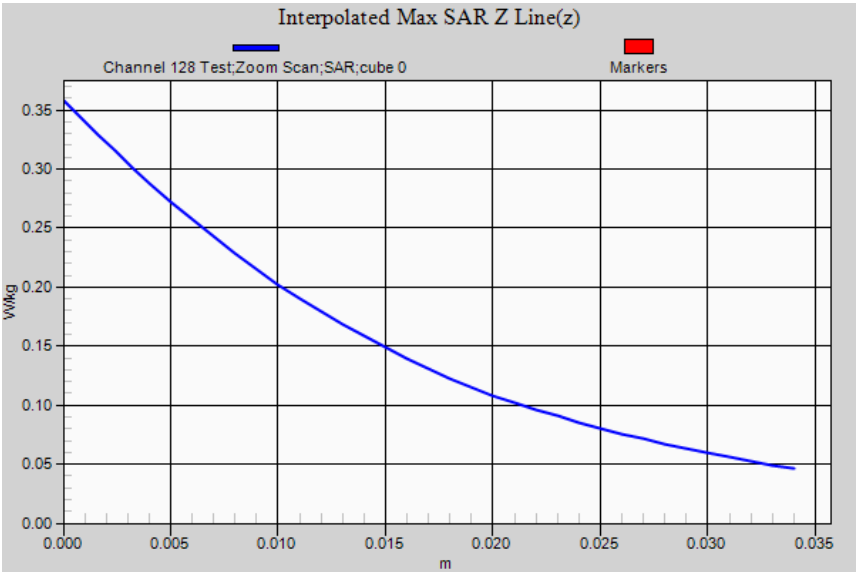
Averaged SAR: SAR(1g) = 0.271 W/kg; SAR(10g) = 0.190 W/kg

Maximum value of SAR (interpolated) = 0.358 W/kg



0 dB = 0.284 W/kg = -5.47 dBW/kg

SAR Measurement Plot 34



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Test Lab: EMCTech

Test File: M170217 Body 850 MHz GPRS FCC.da52:0

DUT Name: Blackline Safety GSM-3G Transmitter, Type: HMN: G7C, Serial: 3566000154**Configuration: Body Worn Belt Clip Standard Cartridge GPRS Class 8 14-03-17**

Communication System: 0 - GPRS Class 08; Communication System Band: 850 MHz GSM; Frequency: 836.6 MHz; Communication System PAR: 9.38 dB; PMF: 2.94; Duty Cycle: 1:8.67
 Medium Parameters used: $f=836.5$ MHz; $\sigma = 0.99$ S/m; $\epsilon_r = 54.1$; $\rho = 1000.0$ g/cm³
 Phantom section: Flat Section

DASY Configuration:

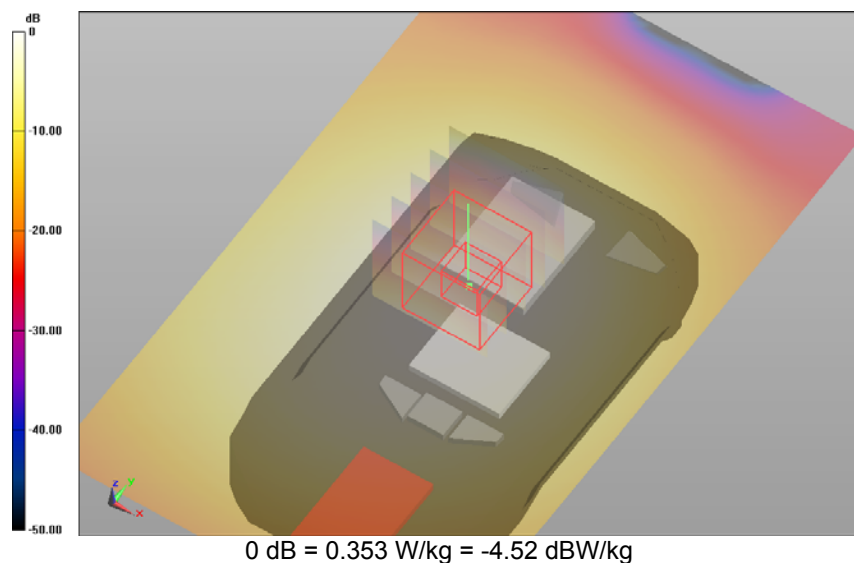
Probe: ET3DV6 - SN1380; ConvF: (6.2,6.2,6.2); Calibrated: 8/12/2016;
 Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))
 Electronics: DAE3 Sn442; Calibrated: 6/12/2016
 Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1101
 DASY52 52.8.8(1258); SEMCAD X Version 14.6.10 (7373)

Body Worn Belt Clip Standard Cartridge GPRS Class 8 14-03-17/Channel 190 Test/Area Scan (71x121x1):

Interpolated grid: dx=1.5 mm, dy=1.5 mm; Maximum value of SAR (interpolated) = 0.353 W/kg

Body Worn Belt Clip Standard Cartridge GPRS Class 8 14-03-17/Channel 190 Test/Zoom Scan**(21x21x36)/Cube 0:** Interpolated grid: dx=1.6 mm, dy=1.6 mm, dz=1.0 mm; Reference Value = 17.005 V/m;**Power Drift = 0.02 dB****Averaged SAR: SAR(1g) = 0.336 W/kg; SAR(10g) = 0.234 W/kg**

Maximum value of SAR (interpolated) = 0.445 W/kg

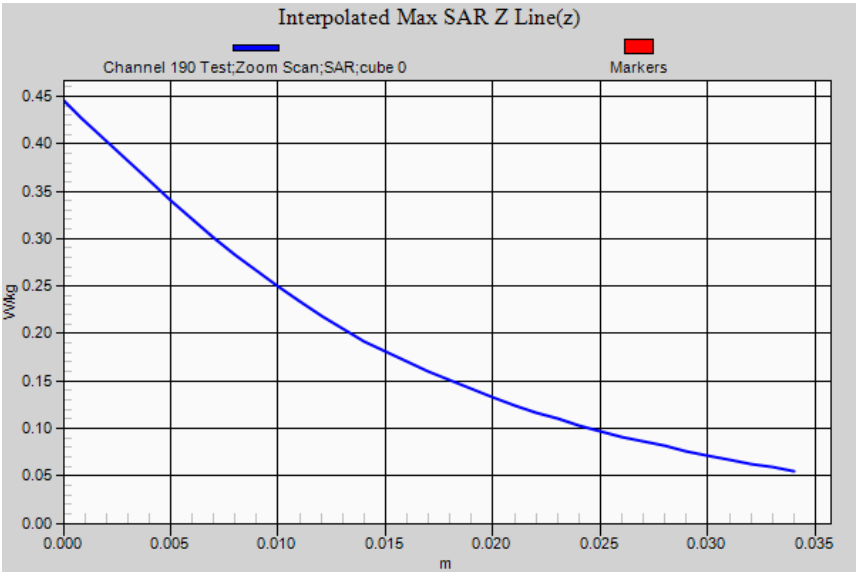


SAR Measurement Plot 35



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Test Lab: EMCTech

Test File: M170217 Body 850 MHz GPRS FCC.da52:0

DUT Name: Blackline Safety GSM-3G Transmitter, Type: HMN: G7C, Serial: 3566000154**Configuration: Body Worn Belt Clip Standard Cartridge GPRS Class 8 14-03-17**

Communication System: 0 - GPRS Class 08; Communication System Band: 850 MHz GSM; Frequency: 848.6 MHz; Communication System PAR: 9.38 dB; PMF: 2.94; Duty Cycle: 1:8.67
 Medium Parameters used: $f=848.5$ MHz; $\sigma = 1.00$ S/m; $\epsilon_r = 54.0$; $\rho = 1000.0\text{g/cm}^3$
 Phantom section: Flat Section

DASY Configuration:

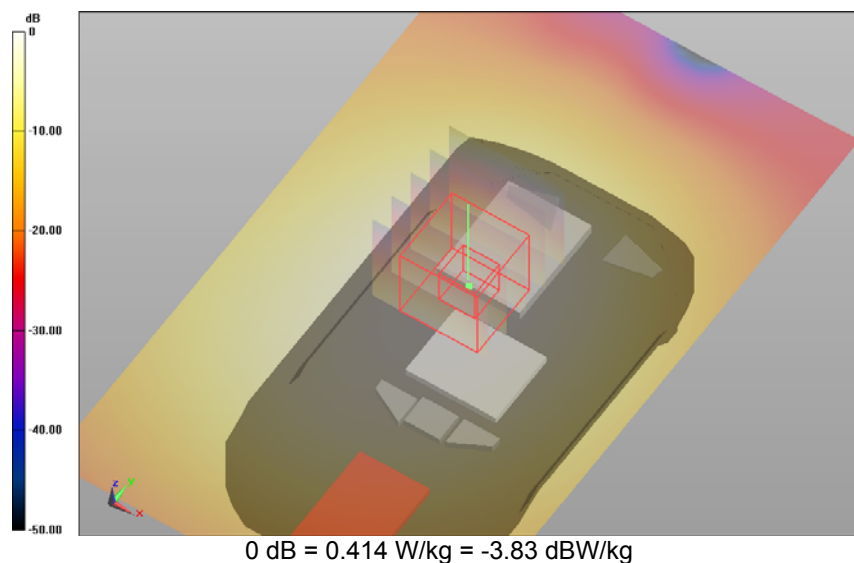
Probe: ET3DV6 - SN1380; ConvF: (6.2,6.2,6.2); Calibrated: 8/12/2016;
 Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))
 Electronics: DAE3 Sn442; Calibrated: 6/12/2016
 Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1101
 DASY52 52.8.8(1258); SEMCAD X Version 14.6.10 (7373)

Body Worn Belt Clip Standard Cartridge GPRS Class 8 14-03-17/Channel 251 Test/Area Scan (71x121x1):Interpolated grid: $dx=1.5$ mm, $dy=1.5$ mm; Maximum value of SAR (interpolated) = 0.414 W/kg

Body Worn Belt Clip Standard Cartridge GPRS Class 8 14-03-17/Channel 251 Test/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: $dx=1.6$ mm, $dy=1.6$ mm, $dz=1.0$ mm; Reference Value = 18.081 V/m;

Power Drift = 0.02 dB**Averaged SAR: SAR(1g) = 0.394 W/kg; SAR(10g) = 0.273 W/kg**

Maximum value of SAR (interpolated) = 0.534 W/kg

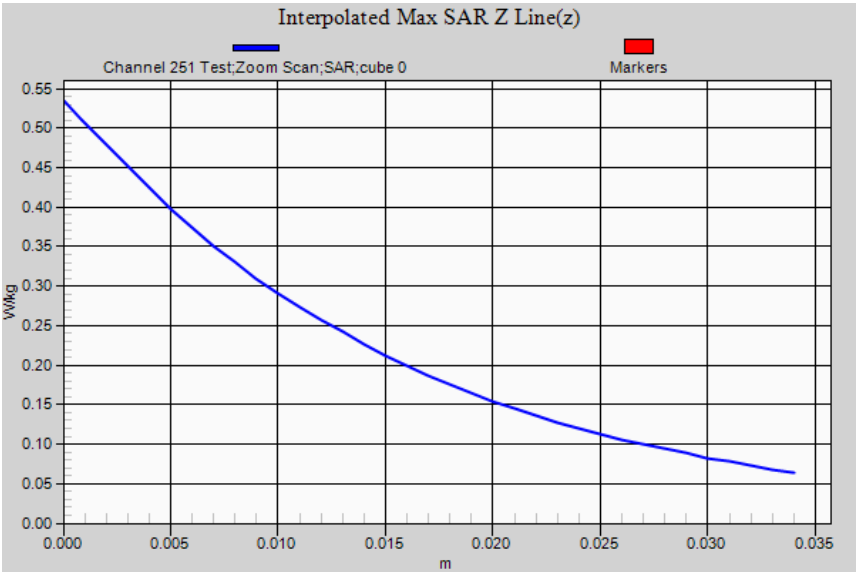


SAR Measurement Plot 36



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Test Lab: EMCTech

Test File: M170217 Body 850 MHz GPRS FCC.da52:1

DUT Name: Blackline Safety GSM-3G Transmitter, Type: HMN: G7C, Serial: 3566000154**Configuration: Body Worn Belt Clip H2S Cartridge GPRS Class 8 14-03-17**

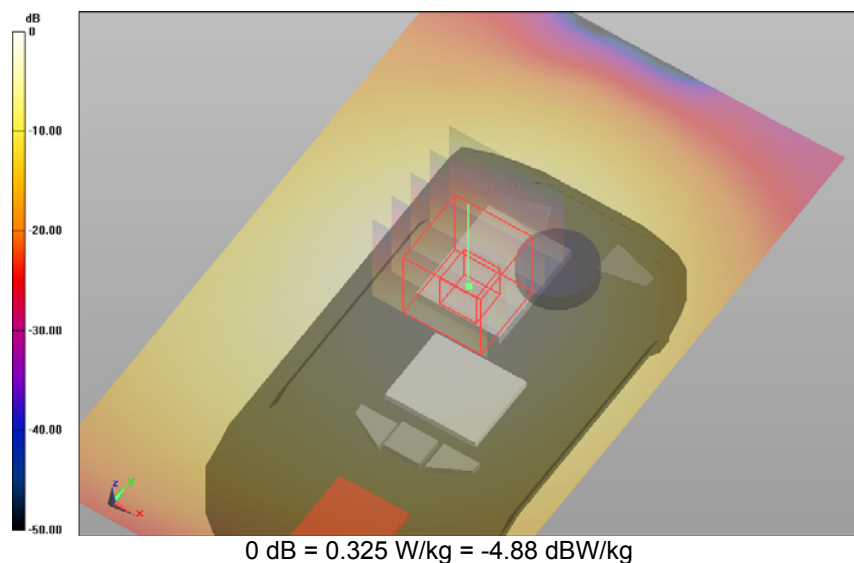
Communication System: 0 - GPRS Class 08; Communication System Band: 850 MHz GSM; Frequency: 824.2 MHz, Communication System PAR: 9.38 dB; PMF: 2.94; Duty Cycle: 1:8.67
 Medium Parameters used: $f=824$ MHz; $\sigma = 0.97$ S/m; $\epsilon_r = 54.2$; $\rho = 1000.0$ g/cm³
 Phantom section: Flat Section

DASY Configuration:

Probe: ET3DV6 - SN1380; ConvF: (6.2,6.2,6.2); Calibrated: 8/12/2016;
 Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))
 Electronics: DAE3 Sn442; Calibrated: 6/12/2016
 Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1101
 DASY52 52.8(1258); SEMCAD X Version 14.6.10 (7373)

Body Worn Belt Clip H2S Cartridge GPRS Class 8 14-03-17/Channel 128 Test/Area Scan (71x121x1):Interpolated grid: $dx=1.5$ mm, $dy=1.5$ mm; Maximum value of SAR (interpolated) = 0.325 W/kg**Body Worn Belt Clip H2S Cartridge GPRS Class 8 14-03-17/Channel 128 Test/Zoom Scan (21x21x36)/Cube****0:** Interpolated grid: $dx=1.6$ mm, $dy=1.6$ mm, $dz=1.0$ mm; Reference Value = 14.334 V/m; **Power Drift = 0.02 dB****Averaged SAR: SAR(1g) = 0.301 W/kg; SAR(10g) = 0.204 W/kg**

Maximum value of SAR (interpolated) = 0.452 W/kg

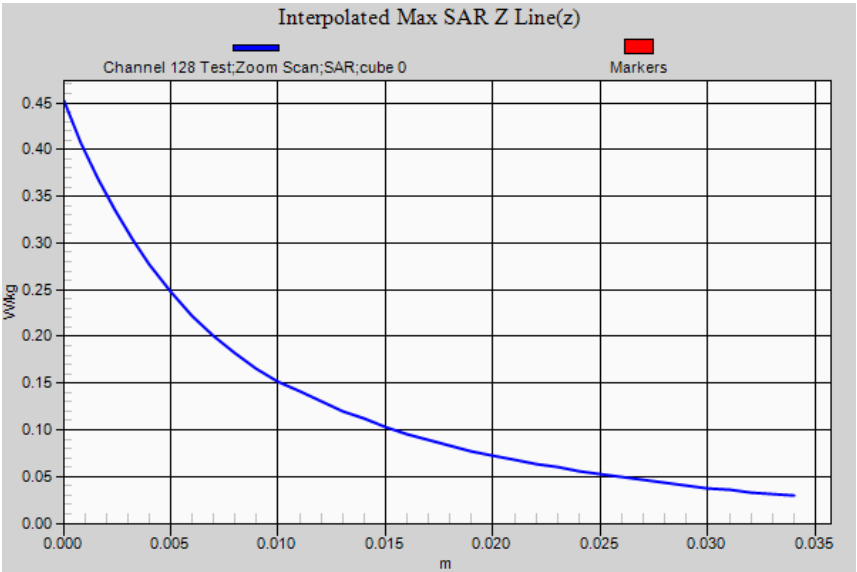


SAR Measurement Plot 37



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Test Lab: EMCTech

Test File: M170217 Body 850 MHz GPRS FCC.da52:1

DUT Name: Blackline Safety GSM-3G Transmitter, Type: HMN: G7C, Serial: 3566000154**Configuration: Body Worn Belt Clip H2S Cartridge GPRS Class 8 14-03-17**

Communication System: 0 - GPRS Class 08; Communication System Band: 850 MHz GSM; Frequency: 836.6 MHz, Communication System PAR: 9.38 dB; PMF: 2.94; Duty Cycle: 1:8.67
 Medium Parameters used: $f=836.5$ MHz; $\sigma = 0.99$ S/m; $\epsilon_r = 54.1$; $\rho = 1000.0$ g/cm³
 Phantom section: Flat Section

DASY Configuration:

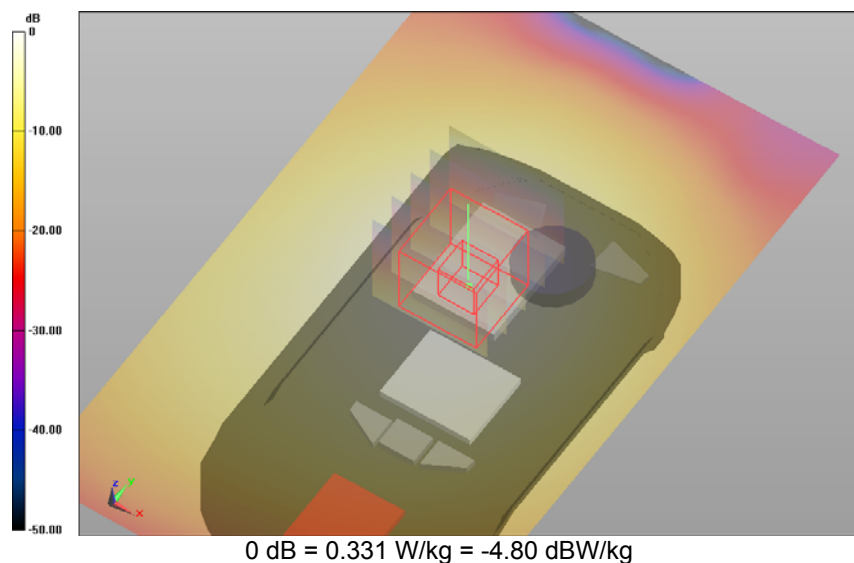
Probe: ET3DV6 - SN1380; ConvF: (6.2,6.2,6.2); Calibrated: 8/12/2016;
 Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))
 Electronics: DAE3 Sn442; Calibrated: 6/12/2016
 Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1101
 DASY52 52.8(1258); SEMCAD X Version 14.6.10 (7373)

Body Worn Belt Clip H2S Cartridge GPRS Class 8 14-03-17/Channel 190 Test/Area Scan (71x121x1):

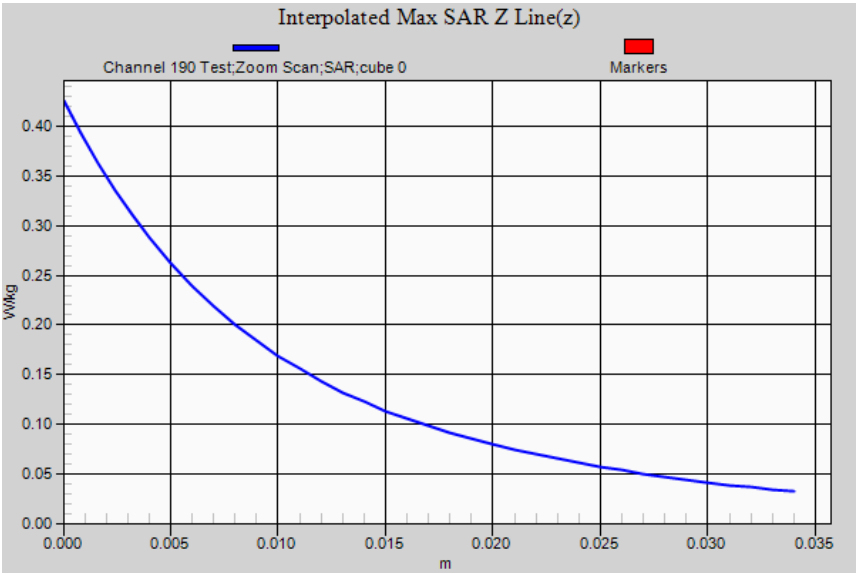
Interpolated grid: dx=1.5 mm, dy=1.5 mm; Maximum value of SAR (interpolated) = 0.331 W/kg

Body Worn Belt Clip H2S Cartridge GPRS Class 8 14-03-17/Channel 190 Test/Zoom Scan (21x21x36)/Cube**0:** Interpolated grid: dx=1.6 mm, dy=1.6 mm, dz=1.0 mm; Reference Value = 14.076 V/m; **Power Drift = 0.02 dB****Averaged SAR: SAR(1g) = 0.303 W/kg; SAR(10g) = 0.206 W/kg**

Maximum value of SAR (interpolated) = 0.426 W/kg



SAR Measurement Plot 38



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Test Lab: EMCTech

Test File: M170217 Body 850 MHz GPRS FCC.da52:1

DUT Name: Blackline Safety GSM-3G Transmitter, Type: HMN: G7C, Serial: 3566000154**Configuration: Body Worn Belt Clip H2S Cartridge GPRS Class 8 14-03-17**

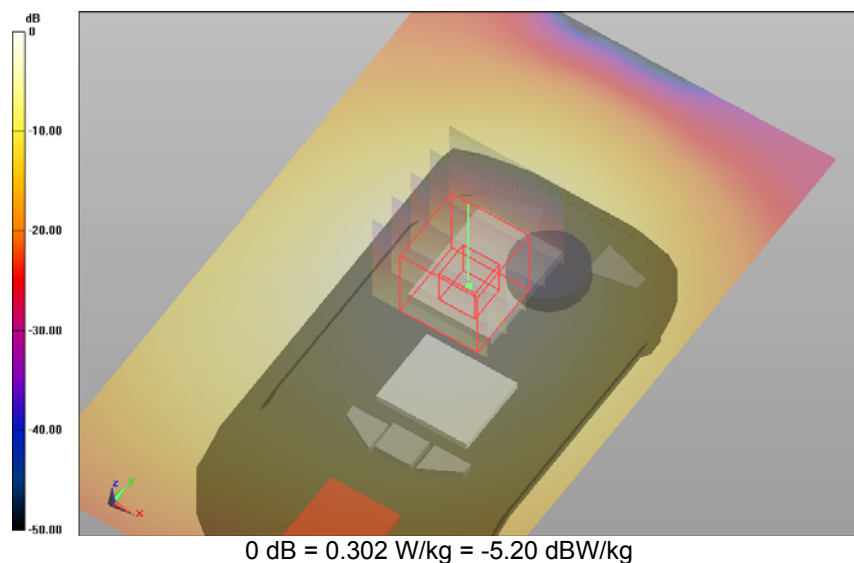
Communication System: 0 - GPRS Class 08; Communication System Band: 850 MHz GSM; Frequency: 848.6 MHz, Communication System PAR: 9.38 dB; PMF: 2.94; Duty Cycle: 1:8.67
 Medium Parameters used: $f=848.5$ MHz; $\sigma = 1.00$ S/m; $\epsilon_r = 54.0$; $\rho = 1000.0\text{g/cm}^3$
 Phantom section: Flat Section

DASY Configuration:

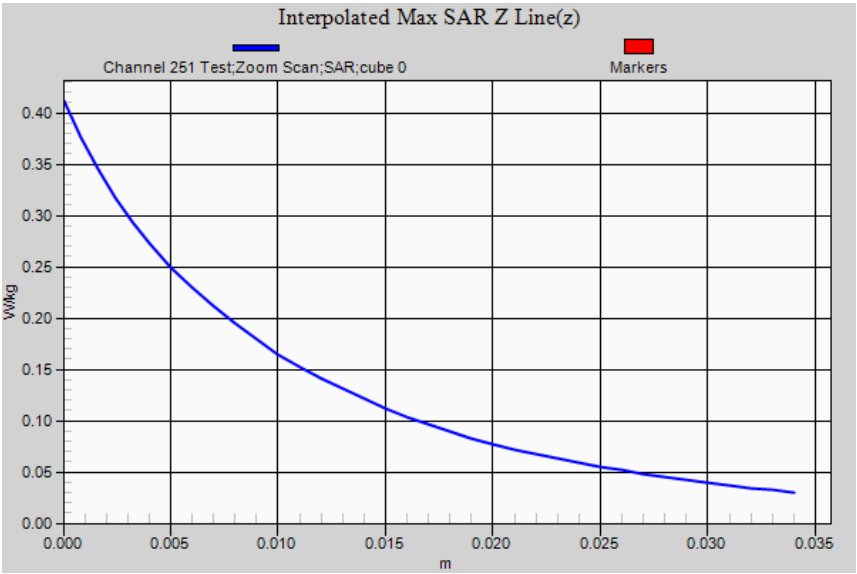
Probe: ET3DV6 - SN1380; ConvF: (6.2,6.2,6.2); Calibrated: 8/12/2016;
 Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))
 Electronics: DAE3 Sn442; Calibrated: 6/12/2016
 Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1101
 DASY52 52.8.8(1258); SEMCAD X Version 14.6.10 (7373)

Body Worn Belt Clip H2S Cartridge GPRS Class 8 14-03-17/Channel 251 Test/Area Scan (71x121x1):Interpolated grid: $dx=1.5$ mm, $dy=1.5$ mm; Maximum value of SAR (interpolated) = 0.302 W/kg**Body Worn Belt Clip H2S Cartridge GPRS Class 8 14-03-17/Channel 251 Test/Zoom Scan (21x21x36)/Cube****0:** Interpolated grid: $dx=1.6$ mm, $dy=1.6$ mm, $dz=1.0$ mm; Reference Value = 13.228 V/m; **Power Drift = -0.00 dB****Averaged SAR: SAR(1g) = 0.281 W/kg; SAR(10g) = 0.189 W/kg**

Maximum value of SAR (interpolated) = 0.411 W/kg



SAR Measurement Plot 39



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Test Lab: EMCTech

Test File: M170217 Body 850 MHz GPRS FCC.da52:2

DUT Name: Blackline Safety GSM-3G Transmitter, Type: HMN: G7C, Serial: 3568000104**Configuration: Body Worn Belt Clip O2 CO H2S LEL Cartridge GPRS Class 8 14-03-17**

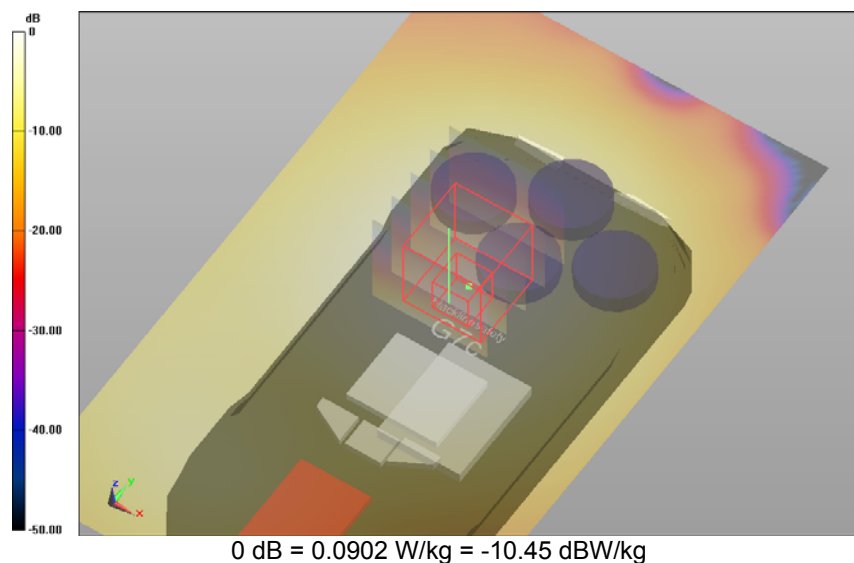
Communication System: 0 - GPRS Class 08; Communication System Band: 850 MHz GSM; Frequency: 824.2 MHz; Communication System PAR: 9.38 dB; PMF: 2.94; Duty Cycle: 1:8.67
 Medium Parameters used: $f=824$ MHz; $\sigma = 0.97$ S/m; $\epsilon_r = 54.2$; $\rho = 1000.0$ g/cm³
 Phantom section: Flat Section

DASY Configuration:

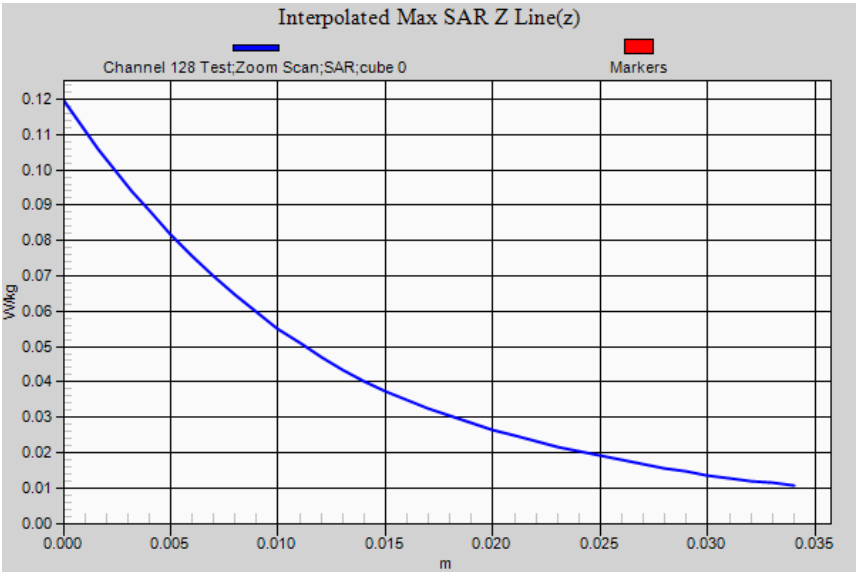
Probe: ET3DV6 - SN1380; ConvF: (6.2,6.2,6.2); Calibrated: 8/12/2016;
 Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))
 Electronics: DAE3 Sn442; Calibrated: 6/12/2016
 Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1101
 DASY52 52.8.8(1258); SEMCAD X Version 14.6.10 (7373)

Body Worn Belt Clip O2 CO H2S LEL Cartridge GPRS Class 8 14-03-17/Channel 128 Test/Area Scan**(71x121x1):** Interpolated grid: dx=1.5 mm, dy=1.5 mm; Maximum value of SAR (interpolated) = 0.090 W/kg**Body Worn Belt Clip O2 CO H2S LEL Cartridge GPRS Class 8 14-03-17/Channel 128 Test/Zoom Scan****(21x21x36)/Cube 0:** Interpolated grid: dx=1.6 mm, dy=1.6 mm, dz=1.0 mm; Reference Value = 6.605 V/m; **Power Drift = 0.04 dB****Averaged SAR: SAR(1g) = 0.082 W/kg; SAR(10g) = 0.055 W/kg**

Maximum value of SAR (interpolated) = 0.119 W/kg



SAR Measurement Plot 40



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Test Lab: EMCTech

Test File: M170217 Body 850 MHz GPRS FCC.da52:2

DUT Name: Blackline Safety GSM-3G Transmitter, Type: HMN: G7C, Serial: 3568000104**Configuration: Body Worn Belt Clip O2 CO H2S LEL Cartridge GPRS Class 8 14-03-17**

Communication System: 0 - GPRS Class 08; Communication System Band: 850 MHz GSM; Frequency: 836.6 MHz; Communication System PAR: 9.38 dB; PMF: 2.94; Duty Cycle: 1:8.67

Medium Parameters used: $f=836.5$ MHz; $\sigma = 0.99$ S/m; $\epsilon_r = 54.1$; $\rho = 1000.0$ g/cm³

Phantom section: Flat Section

DASY Configuration:

Probe: ET3DV6 - SN1380; ConvF: (6.2,6.2,6.2); Calibrated: 8/12/2016;

Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))

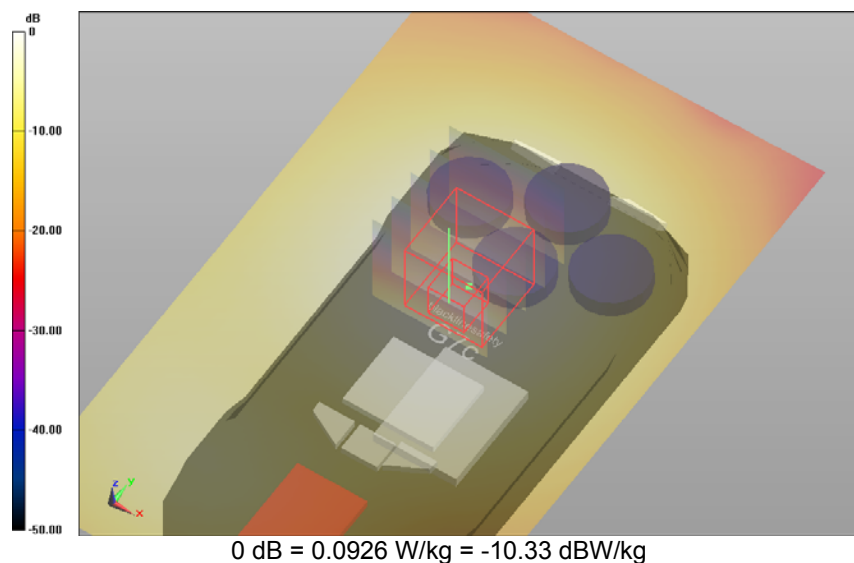
Electronics: DAE3 Sn442; Calibrated: 6/12/2016

Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1101

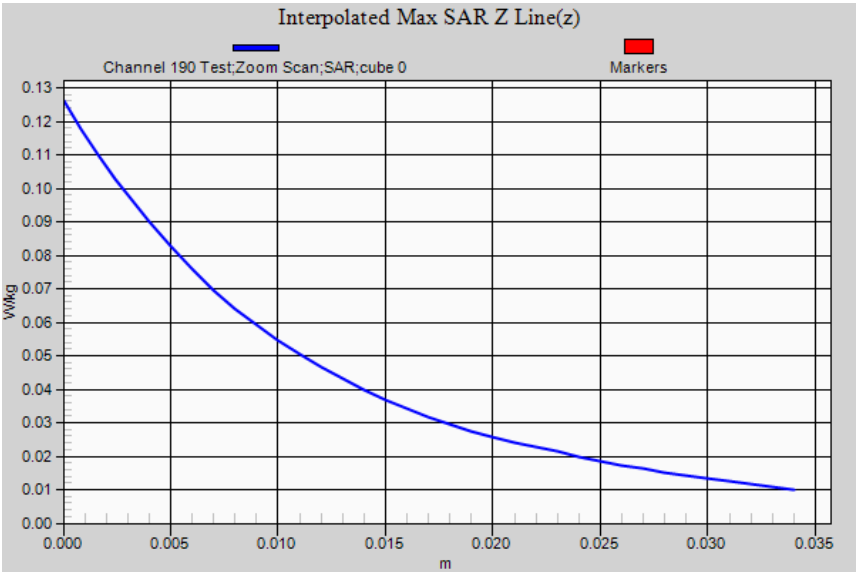
DASY52 52.8.8(1258); SEMCAD X Version 14.6.10 (7373)

Body Worn Belt Clip O2 CO H2S LEL Cartridge GPRS Class 8 14-03-17/Channel 190 Test/Area Scan**(71x121x1):** Interpolated grid: dx=1.5 mm, dy=1.5 mm; Maximum value of SAR (interpolated) = 0.093 W/kg**Body Worn Belt Clip O2 CO H2S LEL Cartridge GPRS Class 8 14-03-17/Channel 190 Test/Zoom Scan****(21x21x36)/Cube 0:** Interpolated grid: dx=1.6 mm, dy=1.6 mm, dz=1.0 mm; Reference Value = 6.325 V/m; **Power Drift = -0.02 dB****Averaged SAR: SAR(1g) = 0.083 W/kg; SAR(10g) = 0.055 W/kg**

Maximum value of SAR (interpolated) = 0.126 W/kg



SAR Measurement Plot 41



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Test Lab: EMCTech

Test File: M170217 Body 850 MHz GPRS FCC.da52:2

DUT Name: Blackline Safety GSM-3G Transmitter, Type: HMN: G7C, Serial: 3568000104**Configuration: Body Worn Belt Clip O2 CO H2S LEL Cartridge GPRS Class 8 14-03-17**

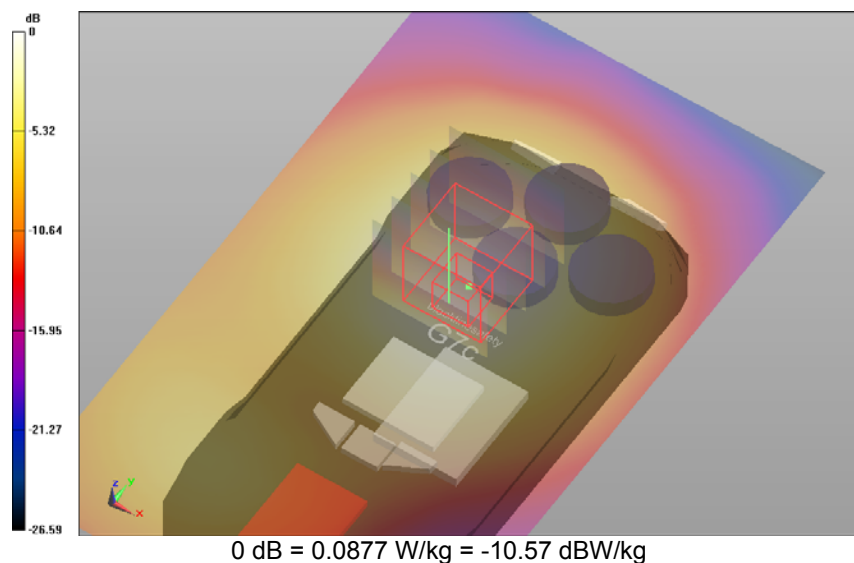
Communication System: 0 - GPRS Class 08; Communication System Band: 850 MHz GSM; Frequency: 848.6 MHz, Communication System PAR: 9.38 dB; PMF: 2.94; Duty Cycle: 1:8.67
 Medium Parameters used: $f=848.5$ MHz; $\sigma = 1.00$ S/m; $\epsilon_r = 54.0$; $\rho = 1000.0$ g/cm³
 Phantom section: Flat Section

DASY Configuration:

Probe: ET3DV6 - SN1380; ConvF: (6.2,6.2,6.2); Calibrated: 8/12/2016;
 Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))
 Electronics: DAE3 Sn442; Calibrated: 6/12/2016
 Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1101
 DASY52 52.8.8(1258); SEMCAD X Version 14.6.10 (7373)

Body Worn Belt Clip O2 CO H2S LEL Cartridge GPRS Class 8 14-03-17/Channel 251 Test/Area Scan**(71x121x1):** Interpolated grid: dx=1.5 mm, dy=1.5 mm; Maximum value of SAR (interpolated) = 0.088 W/kg**Body Worn Belt Clip O2 CO H2S LEL Cartridge GPRS Class 8 14-03-17/Channel 251 Test/Zoom Scan****(21x21x36)/Cube 0:** Interpolated grid: dx=1.6 mm, dy=1.6 mm, dz=1.0 mm; Reference Value = 5.929 V/m; **Power Drift = 0.02 dB****Averaged SAR: SAR(1g) = 0.079 W/kg; SAR(10g) = 0.052 W/kg**

Maximum value of SAR (interpolated) = 0.121 W/kg

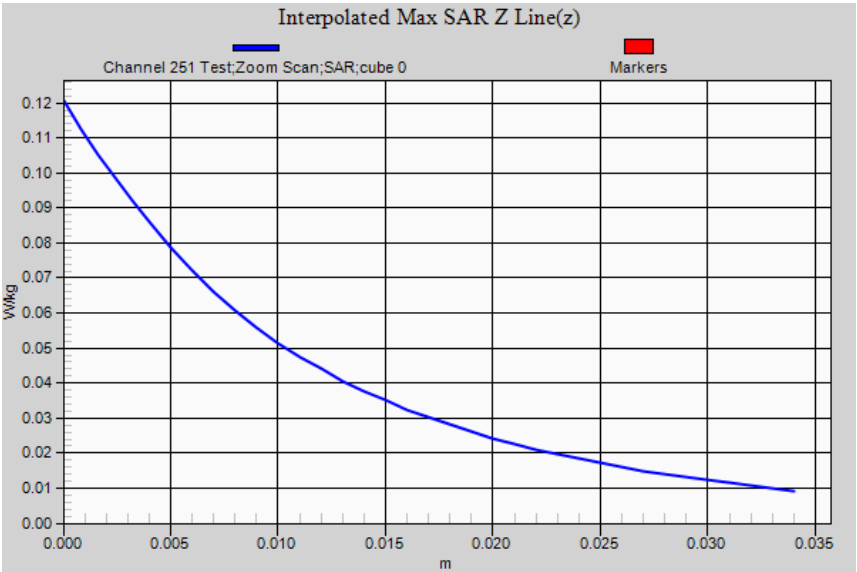


SAR Measurement Plot 42



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Test Lab: EMCTech Test File: M170217 Body 850 MHz GPRS FCC.da52:3

DUT Name: Dipole 900 MHz, Type: DV900V2, Serial: 047

Configuration: System Check 14-03-17

Communication System: 0 - CW; Communication System Band: 900 MHz; Frequency: 900.0 MHz; Communication System PAR: 0.00 dB; PMF: 0.00; Duty Cycle: 1:1.00
Medium Parameters used: $f=900$ MHz; $\sigma = 1.05$ S/m; $\epsilon_r = 53.5$; $\rho = 1000.0$ g/cm³
Phantom section: Flat Section

DASY Configuration:

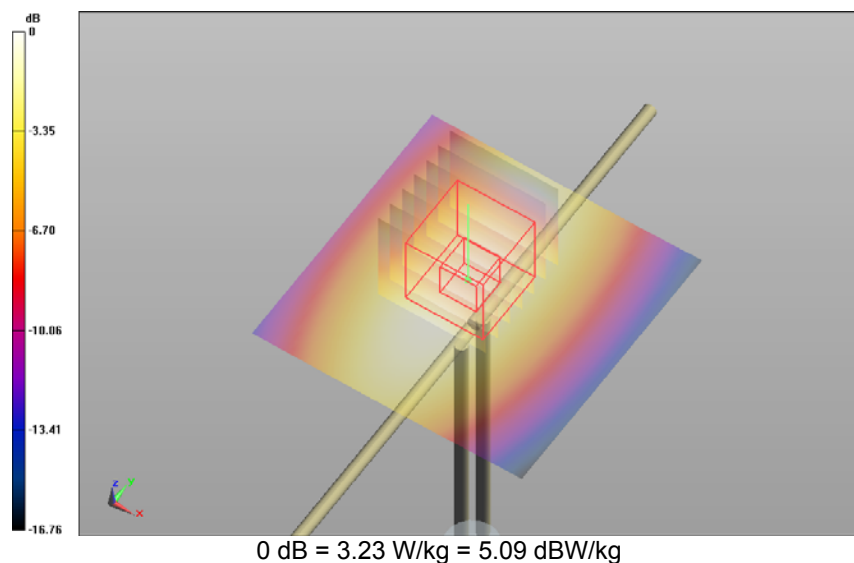
Probe: ET3DV6 - SN1380; ConvF: (6.2,6.2,6.2); Calibrated: 8/12/2016;
Sensor-Surface: 4 mm (Mechanical Surface Detection)
Electronics: DAE3 Sn442; Calibrated: 6/12/2016
Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1101
DASY52 52.8.8(1258); SEMCAD X Version 14.6.10 (7373)

System Check 14-03-17/Channel 1 Test/Area Scan (51x51x1): Interpolated grid: dx=1.5 mm, dy=1.5 mm;
Maximum value of SAR (interpolated) = 3.230 W/kg

System Check 14-03-17/Channel 1 Test/Zoom Scan (31x31x36)/Cube 0: Interpolated grid: dx=1.0 mm, dy=1.0 mm, dz=1.0 mm; Reference Value = 57.935 V/m; **Power Drift = -0.12 dB**

Averaged SAR: SAR(1g) = 2.930 W/kg; SAR(10g) = 1.900 W/kg

Maximum value of SAR (interpolated) = 4.280 W/kg

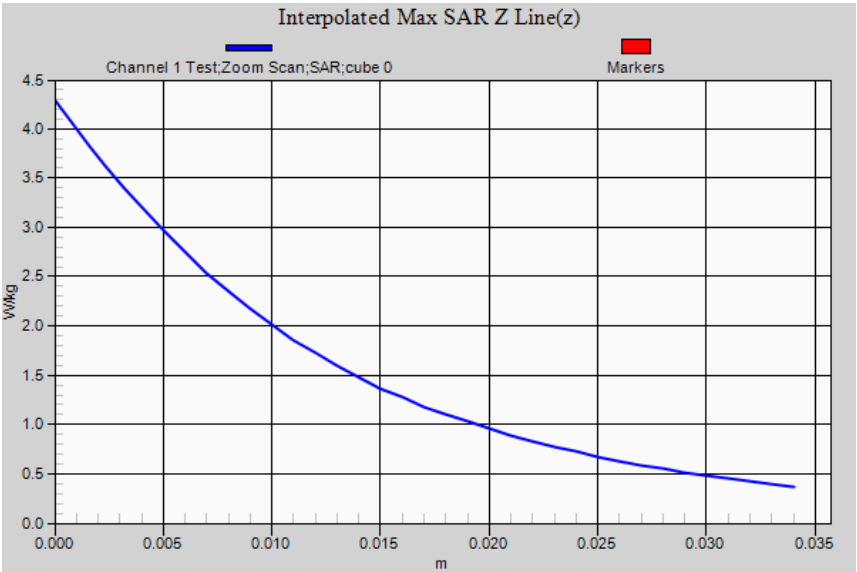


SAR Measurement Plot 43



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Test Lab: EMCTech

Test File: M170217 Head 1900 MHz 3G FCC.da52:0

DUT Name: Blackline Safety GSM-3G Transmitter, Type: HMN: G7C, Serial: 3566000154**Configuration: Face Frontal 10mm Spacing Standard Cartridge 09-03-17**

Communication System: 0 - WCDMA - UMTS; Communication System Band: Band 2 1850 MHz; Frequency: 1852 MHz, Communication System PAR: 0.00 dB; PMF: 1.00; Duty Cycle: 1:1.00

Medium Parameters used: $f=1852.25$ MHz; $\sigma = 1.42$ S/m; $\epsilon_r = 40.6$; $\rho = 1000.0$ g/cm³

Phantom section: Flat Section

DASY Configuration:

Probe: ET3DV6 - SN1380; ConvF: (5.18,5.18,5.18); Calibrated: 8/12/2016;

Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))

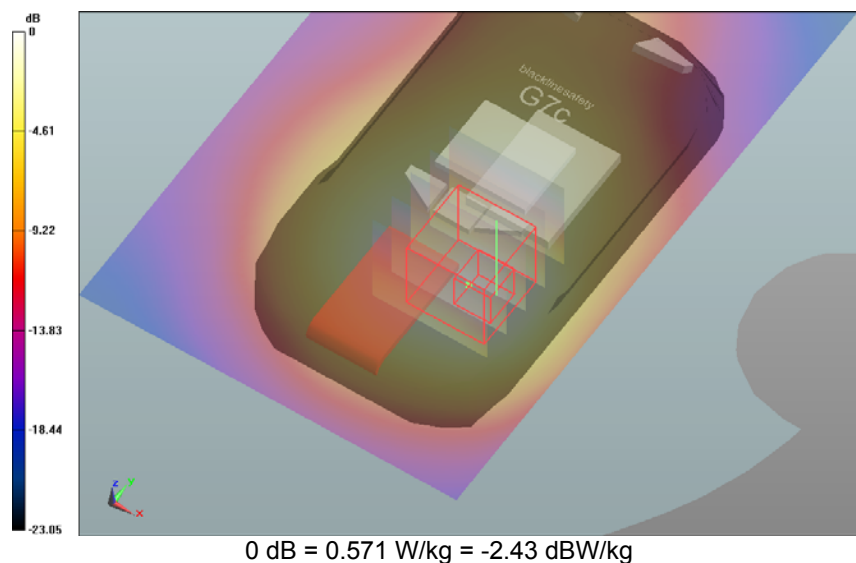
Electronics: DAE3 Sn442; Calibrated: 6/12/2016

Phantom: SAM 22; Type: SAM 22; Serial: 1260

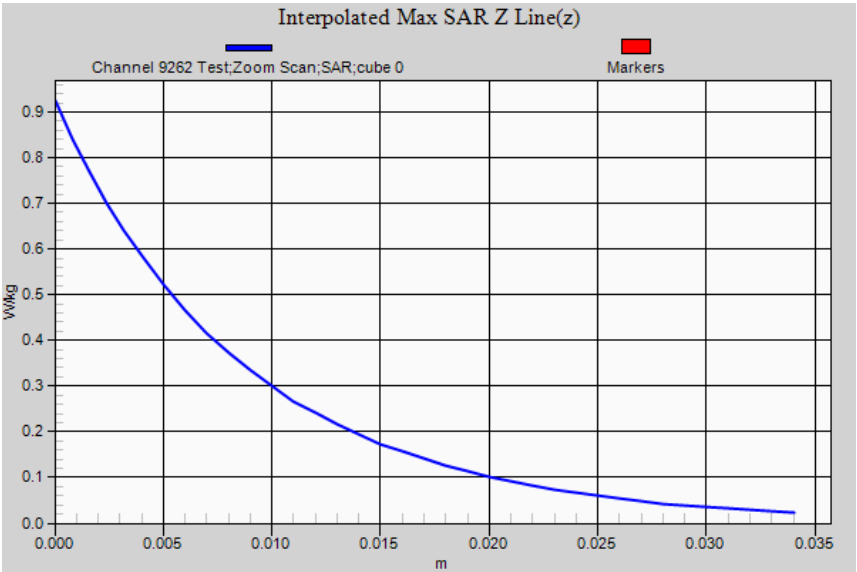
DASY52 52.8.8(1258); SEMCAD X Version 14.6.10 (7373)

Face Frontal 10mm Spacing Standard Cartridge 09-03-17/Channel 9262 Test/Area Scan (71x121x1):Interpolated grid: $dx=1.5$ mm, $dy=1.5$ mm; Maximum value of SAR (interpolated) = 0.571 W/kg**Face Frontal 10mm Spacing Standard Cartridge 09-03-17/Channel 9262 Test/Zoom Scan (21x21x36)/Cube****0:** Interpolated grid: $dx=1.6$ mm, $dy=1.6$ mm, $dz=1.0$ mm; Reference Value = 14.420 V/m; **Power Drift = -0.04 dB****Averaged SAR: SAR(1g) = 0.531 W/kg; SAR(10g) = 0.307 W/kg**

Maximum value of SAR (interpolated) = 0.924 W/kg



SAR Measurement Plot 44



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Test Lab: EMCTech

Test File: M170217 Head 1900 MHz 3G FCC.da52:0

DUT Name: Blackline Safety GSM-3G Transmitter, Type: HMN: G7C, Serial: 3566000154**Configuration: Face Frontal 10mm Spacing Standard Cartridge 09-03-17**

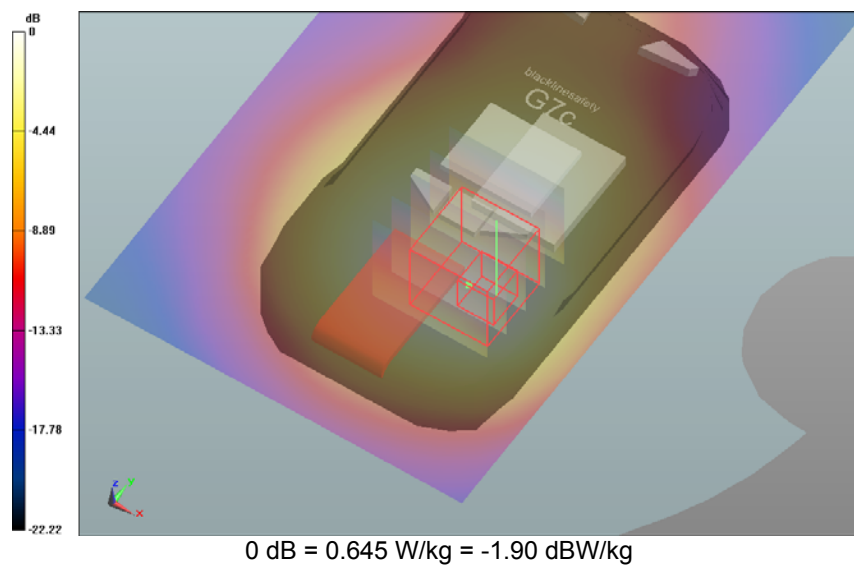
Communication System: 0 - WCDMA - UMTS; Communication System Band: Band 2 1850 MHz; Frequency: 1880 MHz, Communication System PAR: 0.00 dB; PMF: 1.00; Duty Cycle: 1:1.00
 Medium Parameters used: $f=1880.25$ MHz; $\sigma = 1.44$ S/m; $\epsilon_r = 40.5$; $\rho = 1000.0$ g/cm³
 Phantom section: Flat Section

DASY Configuration:

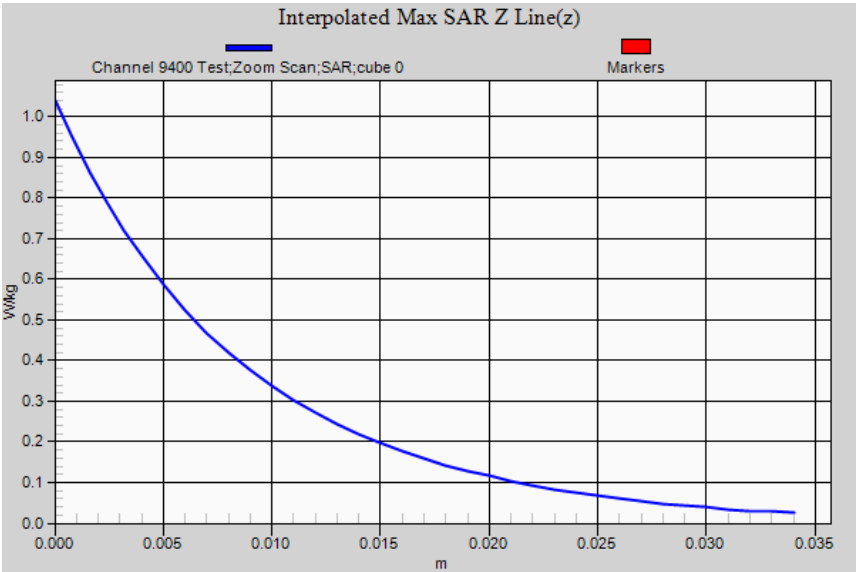
Probe: ET3DV6 - SN1380; ConvF: (5.18,5.18,5.18); Calibrated: 8/12/2016;
 Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))
 Electronics: DAE3 Sn442; Calibrated: 6/12/2016
 Phantom: SAM 22; Type: SAM 22; Serial: 1260
 DASY52 52.8.8(1258); SEMCAD X Version 14.6.10 (7373)

Face Frontal 10mm Spacing Standard Cartridge 09-03-17/Channel 9400 Test/Area Scan (71x121x1):Interpolated grid: $dx=1.5$ mm, $dy=1.5$ mm; Maximum value of SAR (interpolated) = 0.645 W/kg**Face Frontal 10mm Spacing Standard Cartridge 09-03-17/Channel 9400 Test/Zoom Scan (21x21x36)/Cube****0:** Interpolated grid: $dx=1.6$ mm, $dy=1.6$ mm, $dz=1.0$ mm; Reference Value = 15.758 V/m; **Power Drift = 0.01 dB****Averaged SAR: SAR(1g) = 0.596 W/kg; SAR(10g) = 0.348 W/kg**

Maximum value of SAR (interpolated) = 1.040 W/kg



SAR Measurement Plot 45



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Test Lab: EMCTech

Test File: M170217 Head 1900 MHz 3G FCC.da52:0

DUT Name: Blackline Safety GSM-3G Transmitter, Type: HMN: G7C, Serial: 3566000154**Configuration: Face Frontal 10mm Spacing Standard Cartridge 09-03-17**

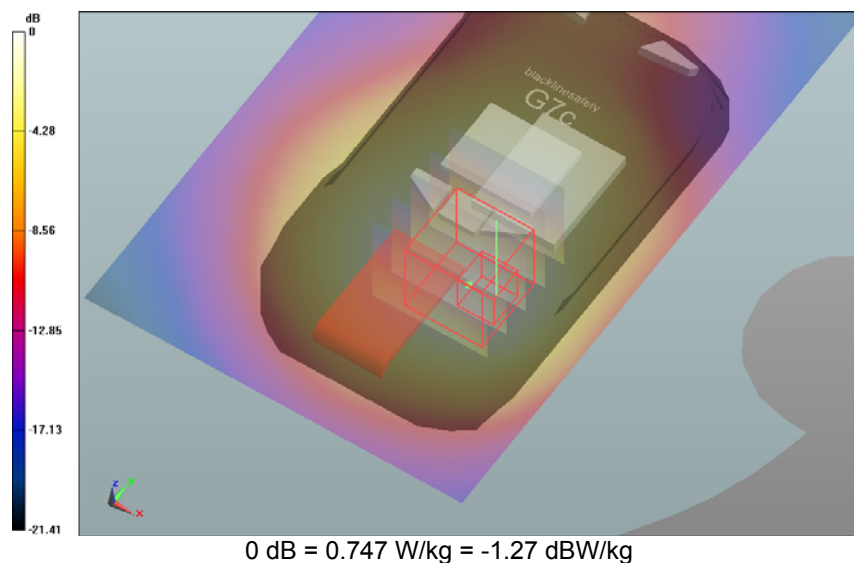
Communication System: 0 - WCDMA - UMTS; Communication System Band: Band 2 1850 MHz; Frequency: 1908 MHz; Communication System PAR: 0.00 dB; PMF: 1.00; Duty Cycle: 1:1.00
 Medium Parameters used: $f=1907.38$ MHz; $\sigma = 1.45$ S/m; $\epsilon_r = 40.4$; $\rho = 1000.0$ g/cm³
 Phantom section: Flat Section

DASY Configuration:

Probe: ET3DV6 - SN1380; ConvF: (5.18,5.18,5.18); Calibrated: 8/12/2016;
 Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))
 Electronics: DAE3 Sn442; Calibrated: 6/12/2016
 Phantom: SAM 22; Type: SAM 22; Serial: 1260
 DASY52 52.8.8(1258); SEMCAD X Version 14.6.10 (7373)

Face Frontal 10mm Spacing Standard Cartridge 09-03-17/Channel 9538 Test/Area Scan (71x121x1):Interpolated grid: $dx=1.5$ mm, $dy=1.5$ mm; Maximum value of SAR (interpolated) = 0.747 W/kg**Face Frontal 10mm Spacing Standard Cartridge 09-03-17/Channel 9538 Test/Zoom Scan (21x21x36)/Cube****0:** Interpolated grid: $dx=1.6$ mm, $dy=1.6$ mm, $dz=1.0$ mm; Reference Value = 17.394 V/m; **Power Drift = -0.02 dB****Averaged SAR: SAR(1g) = 0.691 W/kg; SAR(10g) = 0.404 W/kg**

Maximum value of SAR (interpolated) = 1.210 W/kg



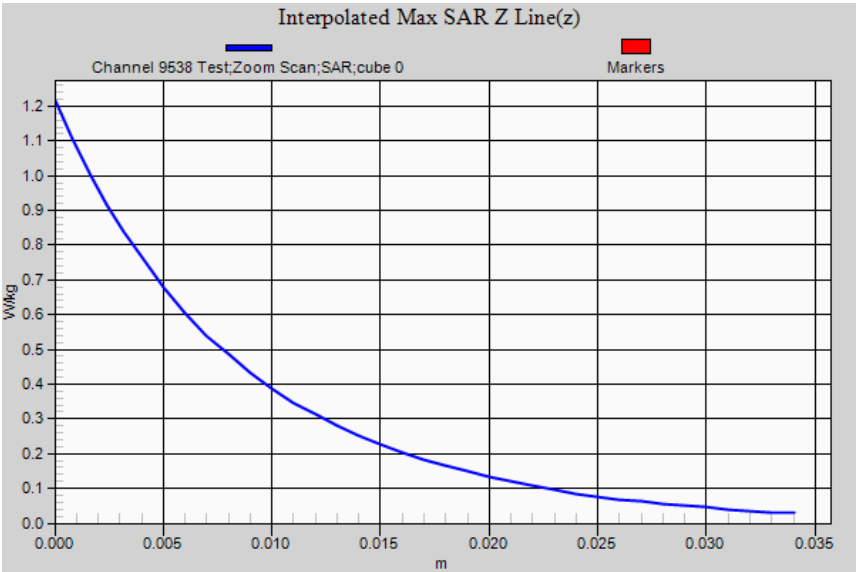
0 dB = 0.747 W/kg = -1.27 dBW/kg

SAR Measurement Plot 46



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Test Lab: EMCTech Test File: M170217 Head 1900 MHz 3G FCC.da52:1

DUT Name: Blackline Safety GSM-3G Transmitter, Type: HMN: G7C, Serial: 3566000154

Configuration: Face Frontal 10mm Spacing H2S Cartridge 09-03-17

Communication System: 0 - WCDMA - UMTS; Communication System Band: Band 2 1850 MHz; Frequency: 1852 MHz, Communication System PAR: 0.00 dB; PMF: 1.00; Duty Cycle: 1:1.00
Medium Parameters used: $f=1852.25$ MHz; $\sigma = 1.42$ S/m; $\epsilon_r = 40.6$; $\rho = 1000.0$ g/cm³
Phantom section: Flat Section

DASY Configuration:

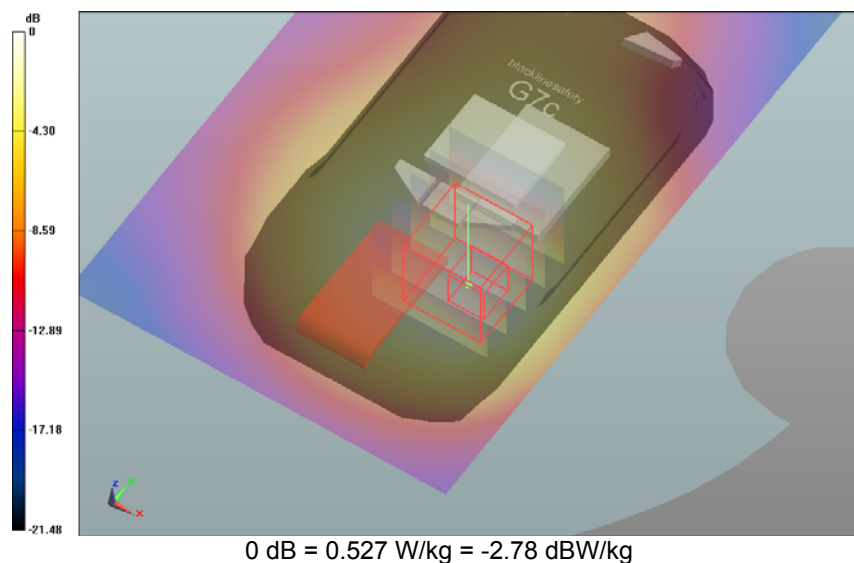
Probe: ET3DV6 - SN1380; ConvF: (5.18,5.18,5.18); Calibrated: 8/12/2016;
Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE3 Sn442; Calibrated: 6/12/2016
Phantom: SAM 22; Type: SAM 22; Serial: 1260
DASY52 52.8.8(1258); SEMCAD X Version 14.6.10 (7373)

Face Frontal 10mm Spacing H2S Cartridge 09-03-17/Channel 9262 Test/Area Scan (71x121x1): Interpolated grid: $dx=1.5$ mm, $dy=1.5$ mm; Maximum value of SAR (interpolated) = 0.527 W/kg

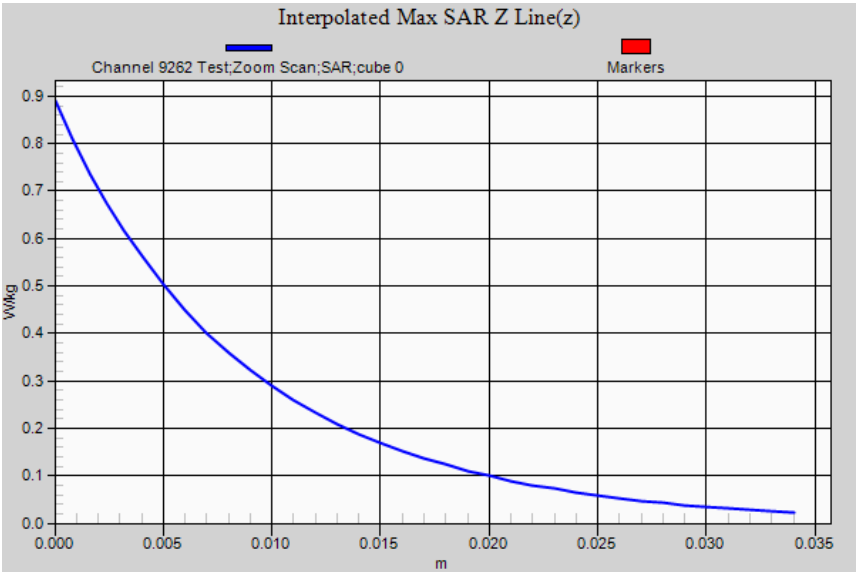
Face Frontal 10mm Spacing H2S Cartridge 09-03-17/Channel 9262 Test/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: $dx=1.6$ mm, $dy=1.6$ mm, $dz=1.0$ mm; Reference Value = 14.078 V/m; **Power Drift = 0.05 dB**

Averaged SAR: SAR(1g) = 0.512 W/kg; SAR(10g) = 0.293 W/kg

Maximum value of SAR (interpolated) = 0.890 W/kg



SAR Measurement Plot 47



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Test Lab: EMCTech

Test File: M170217 Head 1900 MHz 3G FCC.da52:1

DUT Name: Blackline Safety GSM-3G Transmitter, Type: HMN: G7C, Serial: 3566000154**Configuration: Face Frontal 10mm Spacing H2S Cartridge 09-03-17**

Communication System: 0 - WCDMA - UMTS; Communication System Band: Band 2 1850 MHz; Frequency: 1880 MHz, Communication System PAR: 0.00 dB; PMF: 1.00; Duty Cycle: 1:1.00
 Medium Parameters used: $f=1880.25$ MHz; $\sigma = 1.44$ S/m; $\epsilon_r = 40.5$; $\rho = 1000.0$ g/cm³
 Phantom section: Flat Section

DASY Configuration:

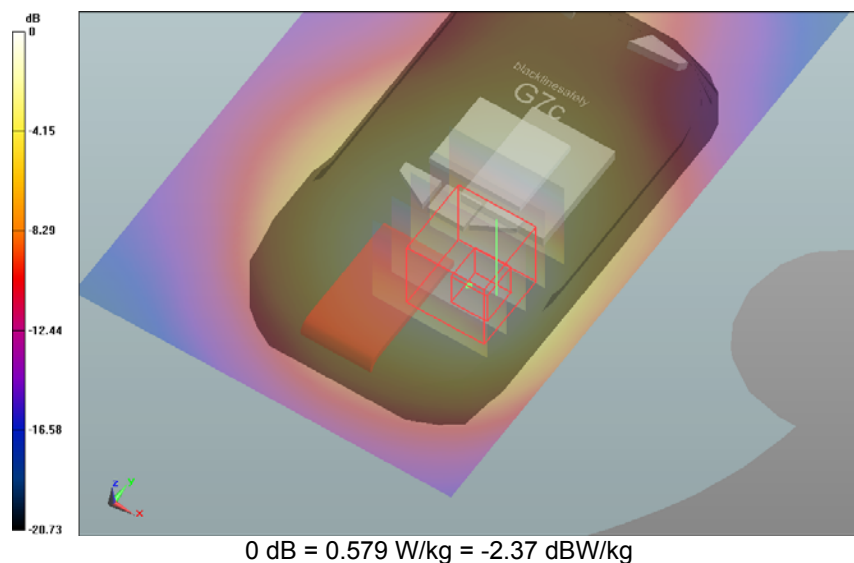
Probe: ET3DV6 - SN1380; ConvF: (5.18,5.18,5.18); Calibrated: 8/12/2016;
 Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))
 Electronics: DAE3 Sn442; Calibrated: 6/12/2016
 Phantom: SAM 22; Type: SAM 22; Serial: 1260
 DASY52 52.8.8(1258); SEMCAD X Version 14.6.10 (7373)

Face Frontal 10mm Spacing H2S Cartridge 09-03-17/Channel 9400 Test/Area Scan (71x121x1): Interpolated grid: $dx=1.5$ mm, $dy=1.5$ mm; Maximum value of SAR (interpolated) = 0.579 W/kg

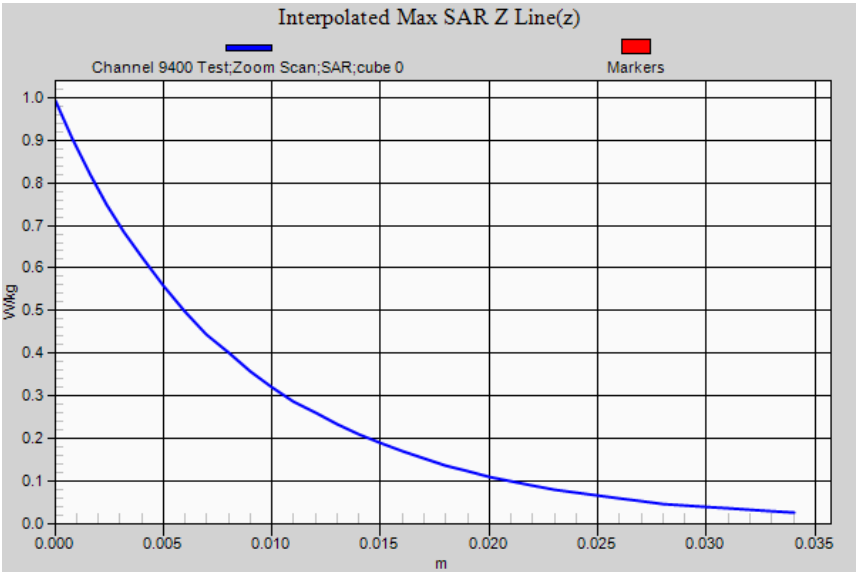
Face Frontal 10mm Spacing H2S Cartridge 09-03-17/Channel 9400 Test/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: $dx=1.6$ mm, $dy=1.6$ mm, $dz=1.0$ mm; Reference Value = 14.723 V/m; **Power Drift = 0.11 dB**

Averaged SAR: SAR(1g) = 0.565 W/kg; SAR(10g) = 0.325 W/kg

Maximum value of SAR (interpolated) = 0.992 W/kg



SAR Measurement Plot 48



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Test Lab: EMCTech

Test File: M170217 Head 1900 MHz 3G FCC.da52:1

DUT Name: Blackline Safety GSM-3G Transmitter, Type: HMN: G7C, Serial: 3566000154**Configuration: Face Frontal 10mm Spacing H2S Cartridge 09-03-17**

Communication System: 0 - WCDMA - UMTS; Communication System Band: Band 2 1850 MHz; Frequency: 1908 MHz, Communication System PAR: 0.00 dB; PMF: 1.00; Duty Cycle: 1:1.00
 Medium Parameters used: $f=1907.38$ MHz; $\sigma = 1.45$ S/m; $\epsilon_r = 40.4$; $\rho = 1000.0$ g/cm³
 Phantom section: Flat Section

DASY Configuration:

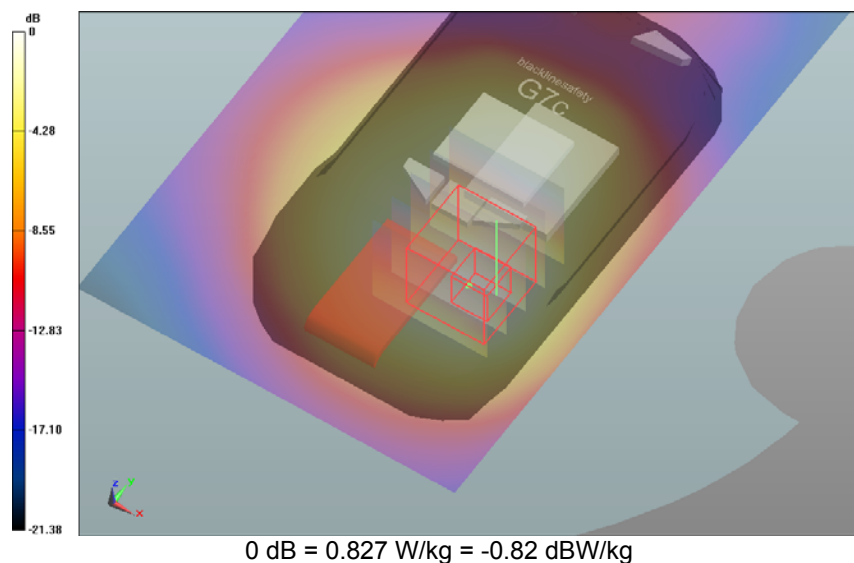
Probe: ET3DV6 - SN1380; ConvF: (5.18,5.18,5.18); Calibrated: 8/12/2016;
 Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))
 Electronics: DAE3 Sn442; Calibrated: 6/12/2016
 Phantom: SAM 22; Type: SAM 22; Serial: 1260
 DASY52 52.8.8(1258); SEMCAD X Version 14.6.10 (7373)

Face Frontal 10mm Spacing H2S Cartridge 09-03-17/Channel 9538 Test/Area Scan (71x121x1): Interpolated grid: $dx=1.5$ mm, $dy=1.5$ mm; Maximum value of SAR (interpolated) = 0.827 W/kg

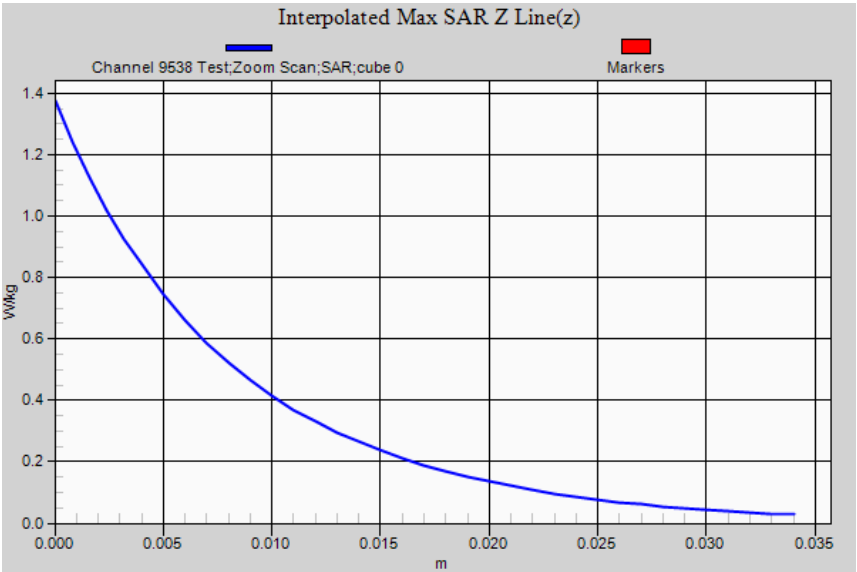
Face Frontal 10mm Spacing H2S Cartridge 09-03-17/Channel 9538 Test/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: $dx=1.6$ mm, $dy=1.6$ mm, $dz=1.0$ mm; Reference Value = 18.574 V/m; **Power Drift = -0.06 dB**

Averaged SAR: SAR(1g) = 0.761 W/kg; SAR(10g) = 0.429 W/kg

Maximum value of SAR (interpolated) = 1.370 W/kg



SAR Measurement Plot 49



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Test Lab: EMCTech

Test File: M170217 Head 1900 MHz 3G FCC.da52:2

DUT Name: Blackline Safety GSM-3G Transmitter, Type: HMN: G7C, Serial: 3566000154**Configuration: Face Frontal 10mm Spacing H2S Cartridge Variability 09-03-17**

Communication System: 0 - WCDMA - UMTS; Communication System Band: Band 2 1850 MHz; Frequency: 1908 MHz; Communication System PAR: 0.00 dB; PMF: 1.00; Duty Cycle: 1:1.00
 Medium Parameters used: $f=1907.38$ MHz; $\sigma = 1.45$ S/m; $\epsilon_r = 40.4$; $\rho = 1000.0$ g/cm³
 Phantom section: Flat Section

DASY Configuration:

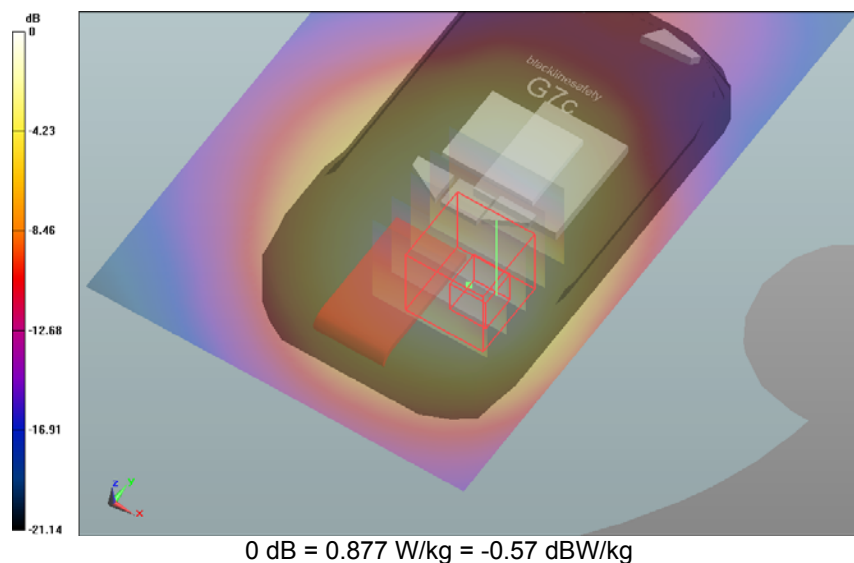
Probe: ET3DV6 - SN1380; ConvF: (5.18,5.18,5.18); Calibrated: 8/12/2016;
 Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))
 Electronics: DAE3 Sn442; Calibrated: 6/12/2016
 Phantom: SAM 22; Type: SAM 22; Serial: 1260
 DASY52 52.8.8(1258); SEMCAD X Version 14.6.10 (7373)

Face Frontal 10mm Spacing H2S Cartridge Variability 09-03-17/Channel 9538 Test/Area Scan (71x121x1):

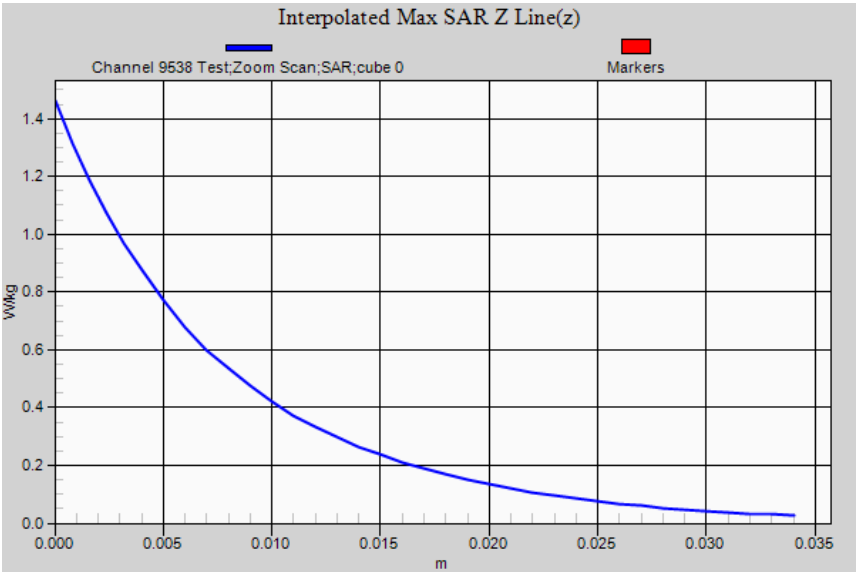
Interpolated grid: dx=1.5 mm, dy=1.5 mm; Maximum value of SAR (interpolated) = 0.877 W/kg

Face Frontal 10mm Spacing H2S Cartridge Variability 09-03-17/Channel 9538 Test/Zoom Scan**(21x21x36)/Cube 0:** Interpolated grid: dx=1.6 mm, dy=1.6 mm, dz=1.0 mm; Reference Value = 19.305 V/m;**Power Drift = -0.09 dB****Averaged SAR: SAR(1g) = 0.791 W/kg; SAR(10g) = 0.446 W/kg**

Maximum value of SAR (interpolated) = 1.460 W/kg



SAR Measurement Plot 50



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Test Lab: EMCTech

Test File: M170217 Head 1900 MHz 3G FCC.da52:3

DUT Name: Blackline Safety GSM-3G Transmitter, Type: HMN: G7C, Serial: 3568000104**Configuration: Face Frontal 10mm Spacing O2 CO H2S LEL Cartridge 09-03-17**

Communication System: 0 - WCDMA - UMTS; Communication System Band: Band 2 1850 MHz; Frequency: 1852 MHz; Communication System PAR: 0.00 dB; PMF: 1.00; Duty Cycle: 1:1.00
 Medium Parameters used: $f=1852.25$ MHz; $\sigma = 1.42$ S/m; $\epsilon_r = 40.6$; $\rho = 1000.0$ g/cm³
 Phantom section: Flat Section

DASY Configuration:

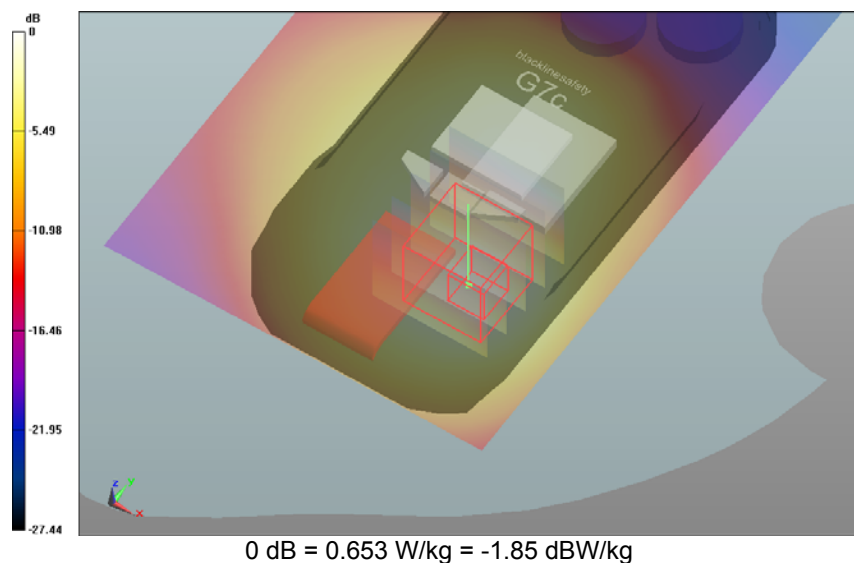
Probe: ET3DV6 - SN1380; ConvF: (5.18,5.18,5.18); Calibrated: 8/12/2016;
 Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))
 Electronics: DAE3 Sn442; Calibrated: 6/12/2016
 Phantom: SAM 22; Type: SAM 22; Serial: 1260
 DASY52 52.8.8(1258); SEMCAD X Version 14.6.10 (7373)

Face Frontal 10mm Spacing O2 CO H2S LEL Cartridge 09-03-17/Channel 9262 Test/Area Scan (71x121x1):Interpolated grid: $dx=1.5$ mm, $dy=1.5$ mm; Maximum value of SAR (interpolated) = 0.653 W/kg

Face Frontal 10mm Spacing O2 CO H2S LEL Cartridge 09-03-17/Channel 9262 Test/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: $dx=1.6$ mm, $dy=1.6$ mm, $dz=1.0$ mm; Reference Value = 14.607 V/m;
Power Drift = -0.01 dB

Averaged SAR: SAR(1g) = 0.617 W/kg; SAR(10g) = 0.343 W/kg

Maximum value of SAR (interpolated) = 1.100 W/kg

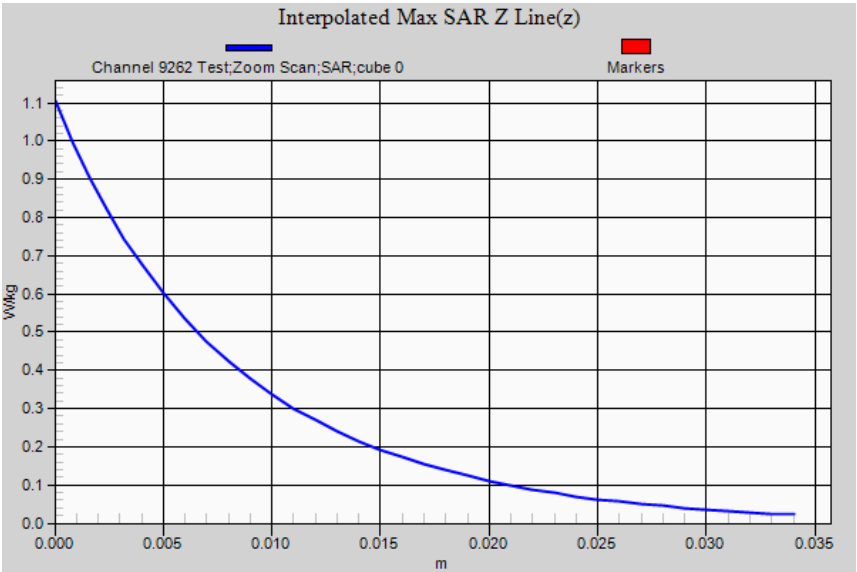


SAR Measurement Plot 51



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Test Lab: EMCTech

Test File: M170217 Head 1900 MHz 3G FCC.da52:3

DUT Name: Blackline Safety GSM-3G Transmitter, Type: HMN: G7C, Serial: 3568000104**Configuration: Face Frontal 10mm Spacing O2 CO H2S LEL Cartridge 09-03-17**

Communication System: 0 - WCDMA - UMTS; Communication System Band: Band 2 1850 MHz; Frequency: 1880 MHz; Communication System PAR: 0.00 dB; PMF: 1.00; Duty Cycle: 1:1.00
 Medium Parameters used: $f=1880.25$ MHz; $\sigma = 1.44$ S/m; $\epsilon_r = 40.5$; $\rho = 1000.0$ g/cm³
 Phantom section: Flat Section

DASY Configuration:

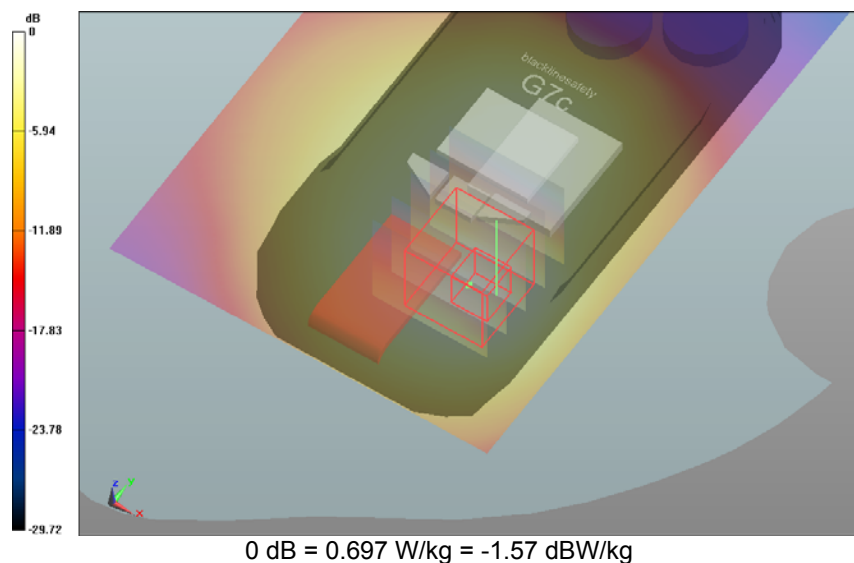
Probe: ET3DV6 - SN1380; ConvF: (5.18,5.18,5.18); Calibrated: 8/12/2016;
 Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))
 Electronics: DAE3 Sn442; Calibrated: 6/12/2016
 Phantom: SAM 22; Type: SAM 22; Serial: 1260
 DASY52 52.8.8(1258); SEMCAD X Version 14.6.10 (7373)

Face Frontal 10mm Spacing O2 CO H2S LEL Cartridge 09-03-17/Channel 9400 Test/Area Scan (71x121x1):Interpolated grid: $dx=1.5$ mm, $dy=1.5$ mm; Maximum value of SAR (interpolated) = 0.697 W/kg

Face Frontal 10mm Spacing O2 CO H2S LEL Cartridge 09-03-17/Channel 9400 Test/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: $dx=1.6$ mm, $dy=1.6$ mm, $dz=1.0$ mm; Reference Value = 16.052 V/m;

Power Drift = -0.02 dB**Averaged SAR: SAR(1g) = 0.655 W/kg; SAR(10g) = 0.368 W/kg**

Maximum value of SAR (interpolated) = 1.180 W/kg

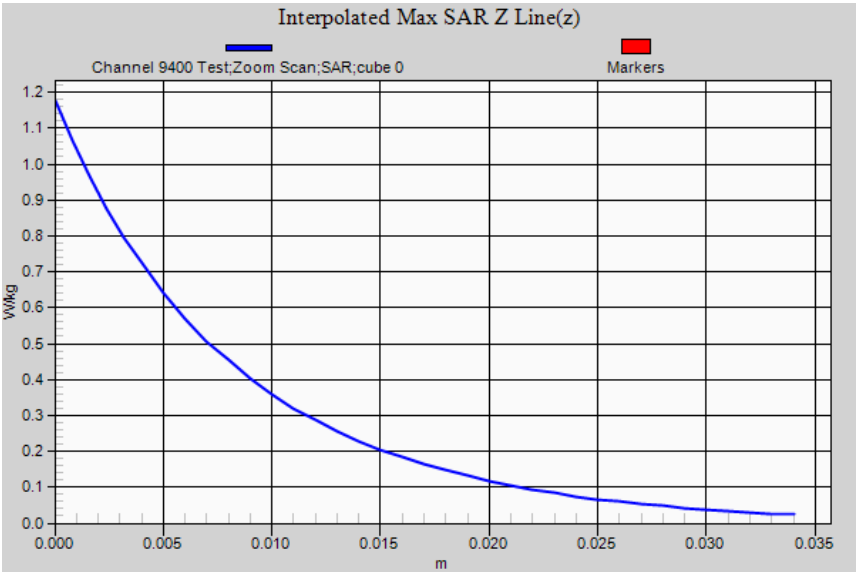


SAR Measurement Plot 52



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Test Lab: EMCTech

Test File: M170217 Head 1900 MHz 3G FCC.da52:3

DUT Name: Blackline Safety GSM-3G Transmitter, Type: HMN: G7C, Serial: 3568000104**Configuration: Face Frontal 10mm Spacing O2 CO H2S LEL Cartridge 09-03-17**

Communication System: 0 - WCDMA - UMTS; Communication System Band: Band 2 1850 MHz; Frequency: 1908 MHz, Communication System PAR: 0.00 dB; PMF: 1.00; Duty Cycle: 1:1.00
 Medium Parameters used: $f=1907.38$ MHz; $\sigma = 1.45$ S/m; $\epsilon_r = 40.4$; $\rho = 1000.0$ g/cm³
 Phantom section: Flat Section

DASY Configuration:

Probe: ET3DV6 - SN1380; ConvF: (5.18,5.18,5.18); Calibrated: 8/12/2016;
 Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))
 Electronics: DAE3 Sn442; Calibrated: 6/12/2016
 Phantom: SAM 22; Type: SAM 22; Serial: 1260
 DASY52 52.8.8(1258); SEMCAD X Version 14.6.10 (7373)

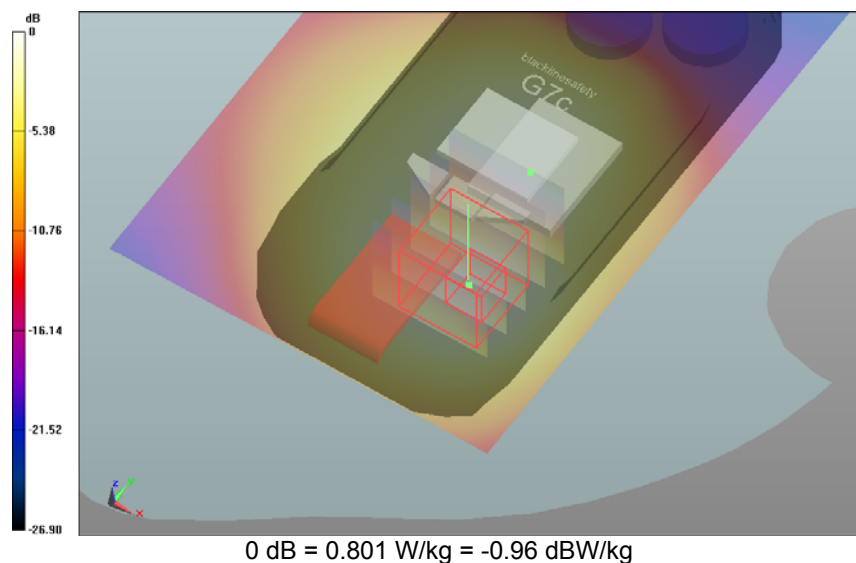
Face Frontal 10mm Spacing O2 CO H2S LEL Cartridge 09-03-17/Channel 9538 Test/Area Scan (71x121x1):

Interpolated grid: dx=1.5 mm, dy=1.5 mm; Maximum value of SAR (interpolated) = 0.801 W/kg

Face Frontal 10mm Spacing O2 CO H2S LEL Cartridge 09-03-17/Channel 9538 Test/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.6 mm, dy=1.6 mm, dz=1.0 mm; Reference Value = 18.348 V/m;

Power Drift = -0.08 dB**Averaged SAR: SAR(1g) = 0.746 W/kg; SAR(10g) = 0.421 W/kg**

Maximum value of SAR (interpolated) = 1.350 W/kg

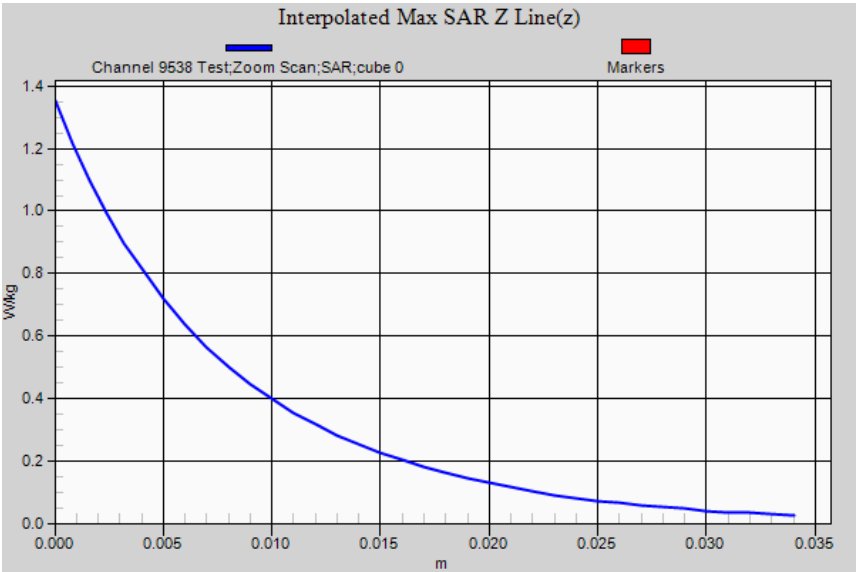


SAR Measurement Plot 53



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Test Lab: EMCTech

Test File: M170217 Head 1900 MHz 3G FCC.da52:4

DUT Name: Dipole 1950 MHz, Type: DV1950V3, Serial: 1113**Configuration: System Check 09-03-17**

Communication System: 0 - CW (0); Communication System Band: 1950 MHz; Frequency: 1950 MHz,

Communication System PAR: 0.00 dB; PMF: 0.00; Duty Cycle: 1:1.00

Medium Parameters used: $f=1950.25$ MHz; $\sigma = 1.47$ S/m; $\epsilon_r = 40.3$; $\rho = 1000.0$ g/cm³

Phantom section: Flat Section

DASY Configuration:

Probe: ET3DV6 - SN1380; ConvF: (4.98,4.98,4.98); Calibrated: 8/12/2016;

Sensor-Surface: 4 mm (Mechanical Surface Detection)

Electronics: DAE3 Sn442; Calibrated: 6/12/2016

Phantom: SAM 22; Type: SAM 22; Serial: 1260

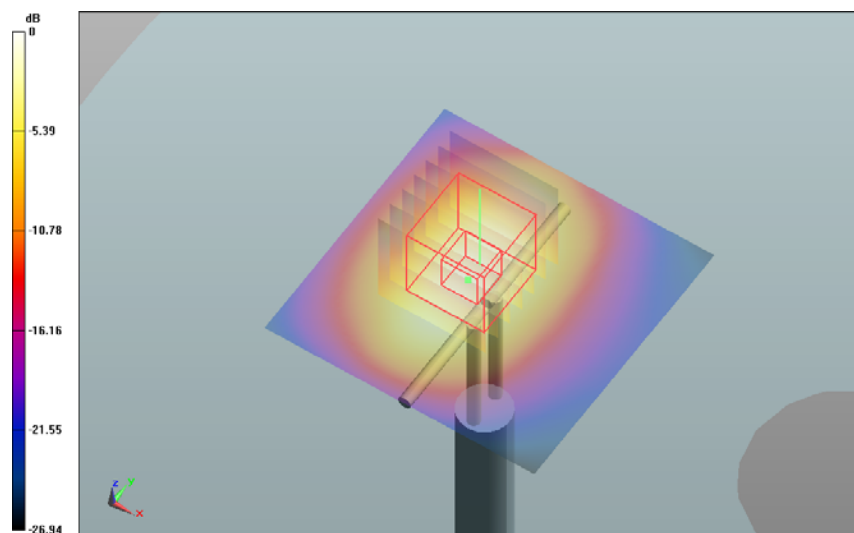
DASY52 52.8.8(1258); SEMCAD X Version 14.6.10 (7373)

System Check 09-03-17/Channel 1 Test/Area Scan (51x51x1): Interpolated grid: $dx=1.5$ mm, $dy=1.5$ mm;

Maximum value of SAR (interpolated) = 12.800 W/kg

System Check 09-03-17/Channel 1 Test/Zoom Scan (31x31x36)/Cube 0: Interpolated grid: $dx=1.0$ mm, $dy=1.0$ mm, $dz=1.0$ mm; Reference Value = 93.579 V/m; **Power Drift = -0.04 dB****Averaged SAR: SAR(1g) = 10.400 W/kg; SAR(10g) = 5.350 W/kg**

Maximum value of SAR (interpolated) = 18.400 W/kg



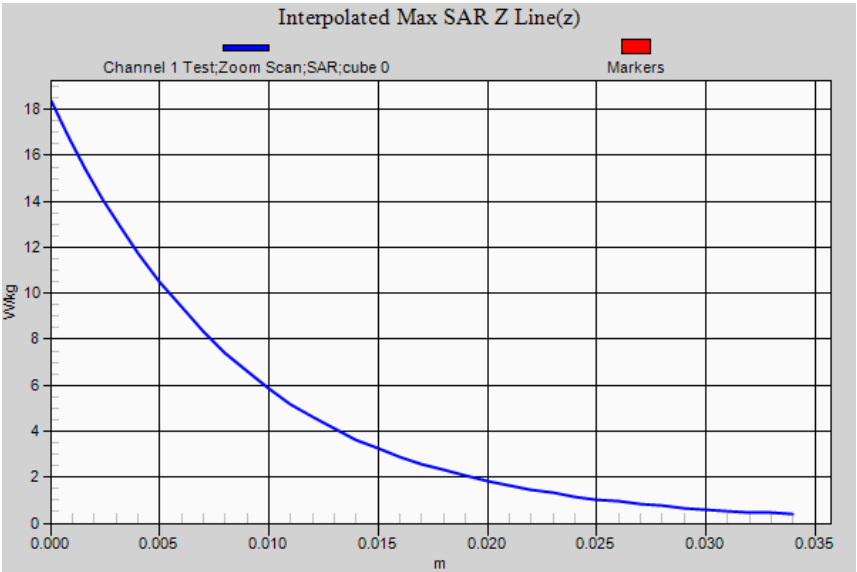
0 dB = 12.8 W/kg = 11.07 dBW/kg

SAR Measurement Plot 54



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Test Lab: EMCTech Test File: M170217 Body 1900 MHz 3G FCC.da52:0

DUT Name: Blackline Safety GSM-3G Transmitter, Type: HMN: G7C, Serial: 3566000154

Configuration: Body Worn Belt Clip Standard Cartridge 16-03-17

Communication System: 0 - WCDMA - UMTS; Communication System Band: Band 2 1850 MHz; Frequency: 1852 MHz, Communication System PAR: 0.00 dB; PMF: 1.00; Duty Cycle: 1:1.00

Medium Parameters used: $f=1852.25$ MHz; $\sigma = 1.52$ S/m; $\epsilon_r = 52.4$; $\rho = 1000.0$ g/cm³

Phantom section: Flat Section

DASY Configuration:

Probe: ET3DV6 - SN1380; ConvF: (4.72,4.72,4.72); Calibrated: 8/12/2016;

Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))

Electronics: DAE3 Sn442; Calibrated: 6/12/2016

Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1101

DASY52 52.8.8(1258); SEMCAD X Version 14.6.10 (7373)

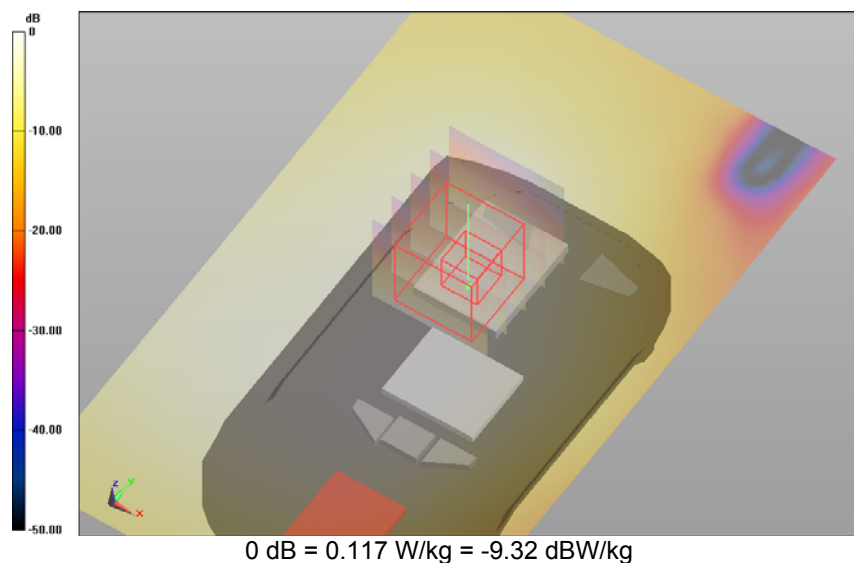
Body Worn Belt Clip Standard Cartridge 16-03-17/Channel 9262 Test/Area Scan (71x121x1): Interpolated grid: dx=1.5 mm, dy=1.5 mm; Maximum value of SAR (interpolated) = 0.117 W/kg

Body Worn Belt Clip Standard Cartridge 16-03-17/Channel 9262 Test/Zoom Scan (21x21x36)/Cube 0:

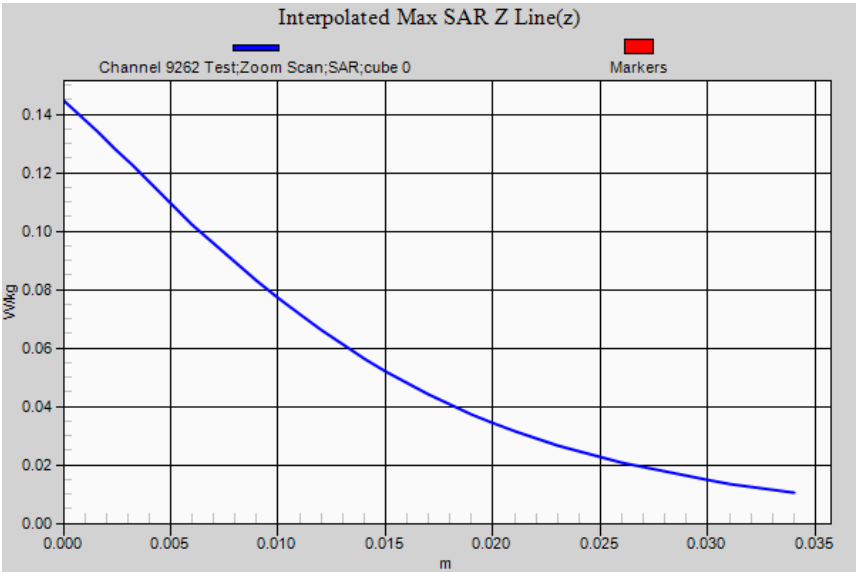
Interpolated grid: dx=1.6 mm, dy=1.6 mm, dz=1.0 mm; Reference Value = 8.691 V/m; **Power Drift = -0.07 dB**

Averaged SAR: SAR(1g) = 0.108 W/kg; SAR(10g) = 0.072 W/kg

Maximum value of SAR (interpolated) = 0.145 W/kg



SAR Measurement Plot 55



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Test Lab: EMCTech Test File: M170217 Body 1900 MHz 3G FCC.da52:0

DUT Name: Blackline Safety GSM-3G Transmitter, Type: HMN: G7C, Serial: 3566000154

Configuration: Body Worn Belt Clip Standard Cartridge 16-03-17

Communication System: 0 - WCDMA - UMTS; Communication System Band: Band 2 1850 MHz; Frequency: 1880 MHz; Communication System PAR: 0.00 dB; PMF: 1.00; Duty Cycle: 1:1.00
Medium Parameters used: $f=1880.25$ MHz; $\sigma = 1.54$ S/m; $\epsilon_r = 52.3$; $\rho = 1000.0$ g/cm³
Phantom section: Flat Section

DASY Configuration:

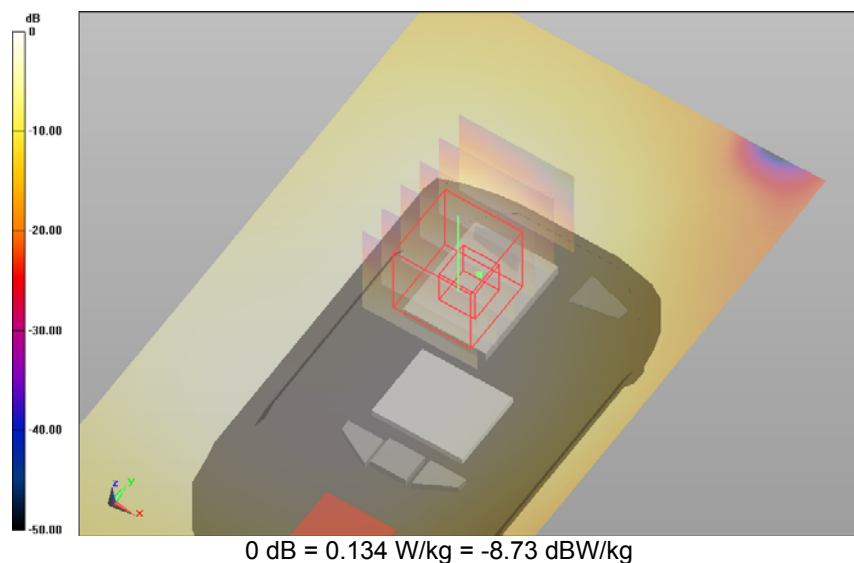
Probe: ET3DV6 - SN1380; ConvF: (4.72,4.72,4.72); Calibrated: 8/12/2016;
Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE3 Sn442; Calibrated: 6/12/2016
Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1101
DASY52 52.8.8(1258); SEMCAD X Version 14.6.10 (7373)

Body Worn Belt Clip Standard Cartridge 16-03-17/Channel 9400 Test/Area Scan (71x121x1): Interpolated grid: dx=1.5 mm, dy=1.5 mm; Maximum value of SAR (interpolated) = 0.134 W/kg

Body Worn Belt Clip Standard Cartridge 16-03-17/Channel 9400 Test/Zoom Scan (21x26x36)/Cube 0: Interpolated grid: dx=1.6 mm, dy=1.6 mm, dz=1.0 mm; Reference Value = 8.753 V/m; **Power Drift = 0.14 dB**

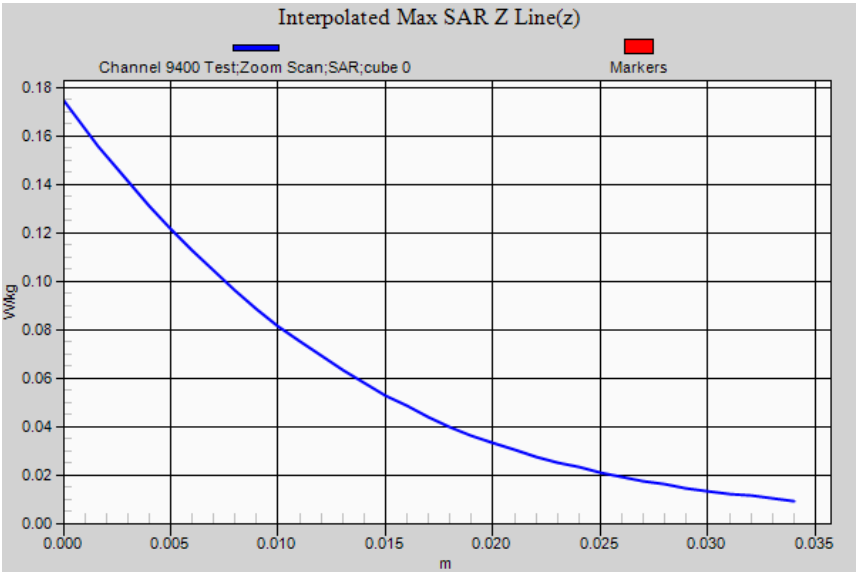
Averaged SAR: SAR(1g) = 0.124 W/kg; SAR(10g) = 0.082 W/kg

Maximum value of SAR (interpolated) = 0.174 W/kg



0 dB = 0.134 W/kg = -8.73 dBW/kg

SAR Measurement Plot 56



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