

Fig. 22 Z-Scan at power reference point (GSM 850MHz CH192)

**GSM 850 Right Cheek Low**

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium: Head 850MHz

Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.923$  mho/m;  $\epsilon_r = 42.6$ ;  $\rho = 1000$  kg/m<sup>3</sup> :

- Probe: ET3DV6 - SN1737; ConvF(6.85, 6.85, 6.85);

- Electronics: DAE3 Sn452;

**Cheek Low/Area Scan (51x131x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.251 mW/g

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

Reference Value = 2.48 V/m; Power Drift = -0.123 dB

Peak SAR (extrapolated) = 0.342 W/kg

**SAR(1 g) = 0.241 mW/g; SAR(10 g) = 0.160 mW/g**

Maximum value of SAR (measured) = 0.249 mW/g

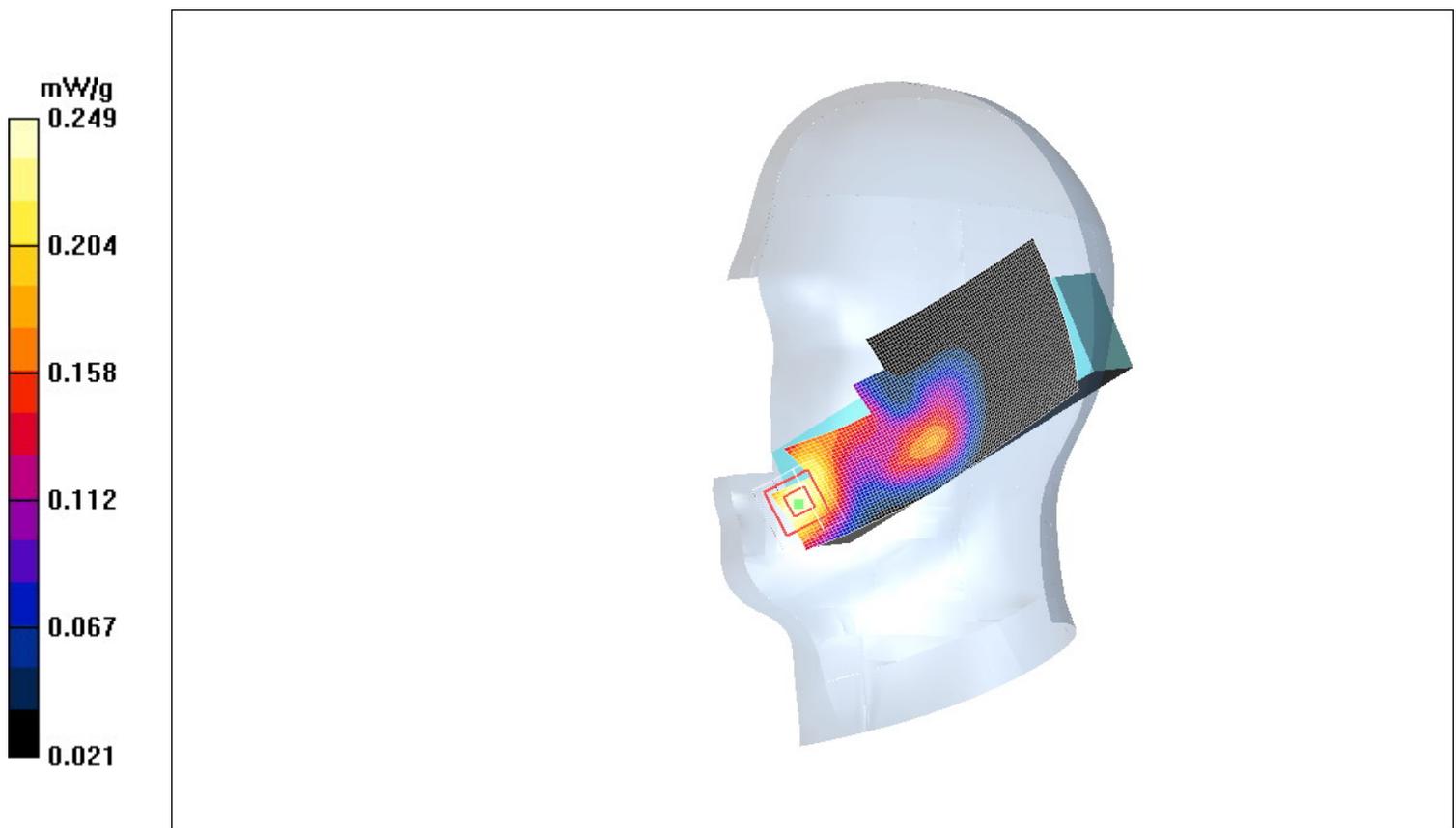


Fig. 23 Right Hand Touch Cheek GSM 850MHz CH128

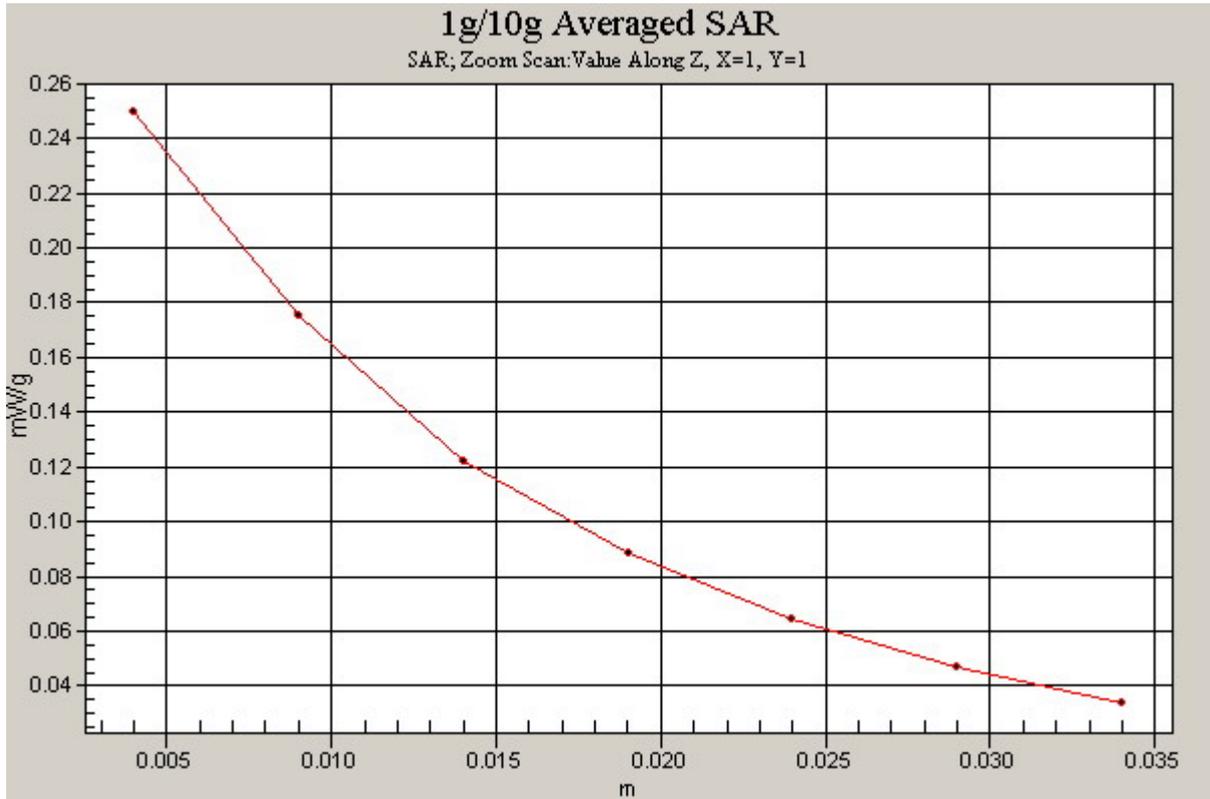


Fig. 24 Z-Scan at power reference point (GSM 850MHz CH128)

**GSM 850 Right Tilt High**

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium: Head 850MHz

Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.947$  mho/m;  $\epsilon_r = 42.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Probe: ET3DV6 - SN1737; ConvF(6.85, 6.85, 6.85);

- Electronics: DAE3 Sn452;

**Tilt High/Area Scan (51x131x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.057 mW/g

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

Reference Value = 4.35 V/m; Power Drift = -0.175 dB

Peak SAR (extrapolated) = 0.066 W/kg

**SAR(1 g) = 0.051 mW/g; SAR(10 g) = 0.036 mW/g**

Maximum value of SAR (measured) = 0.053 mW/g

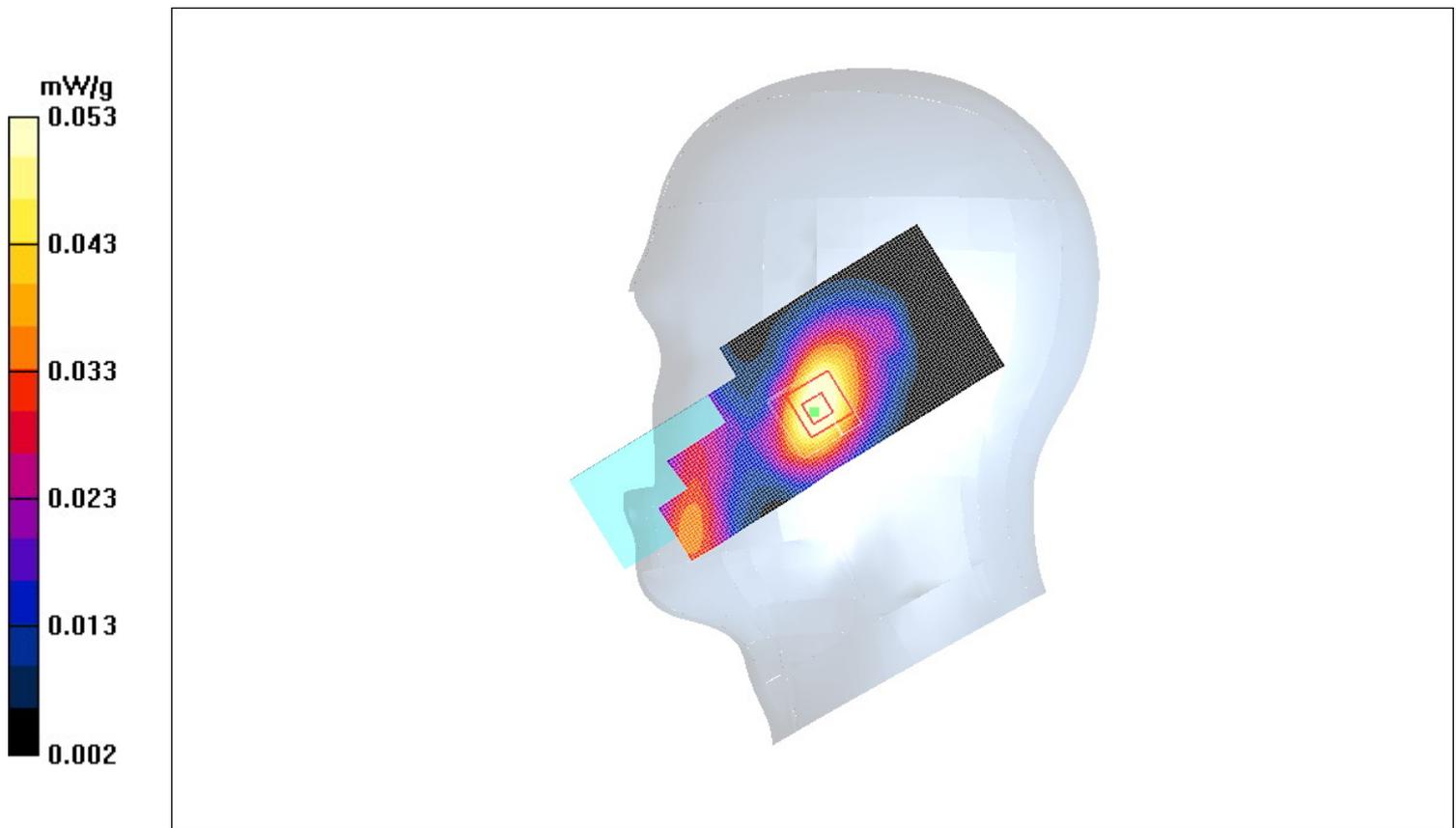


Fig. 25 Right Hand Tilt 15° GSM 850MHz CH251

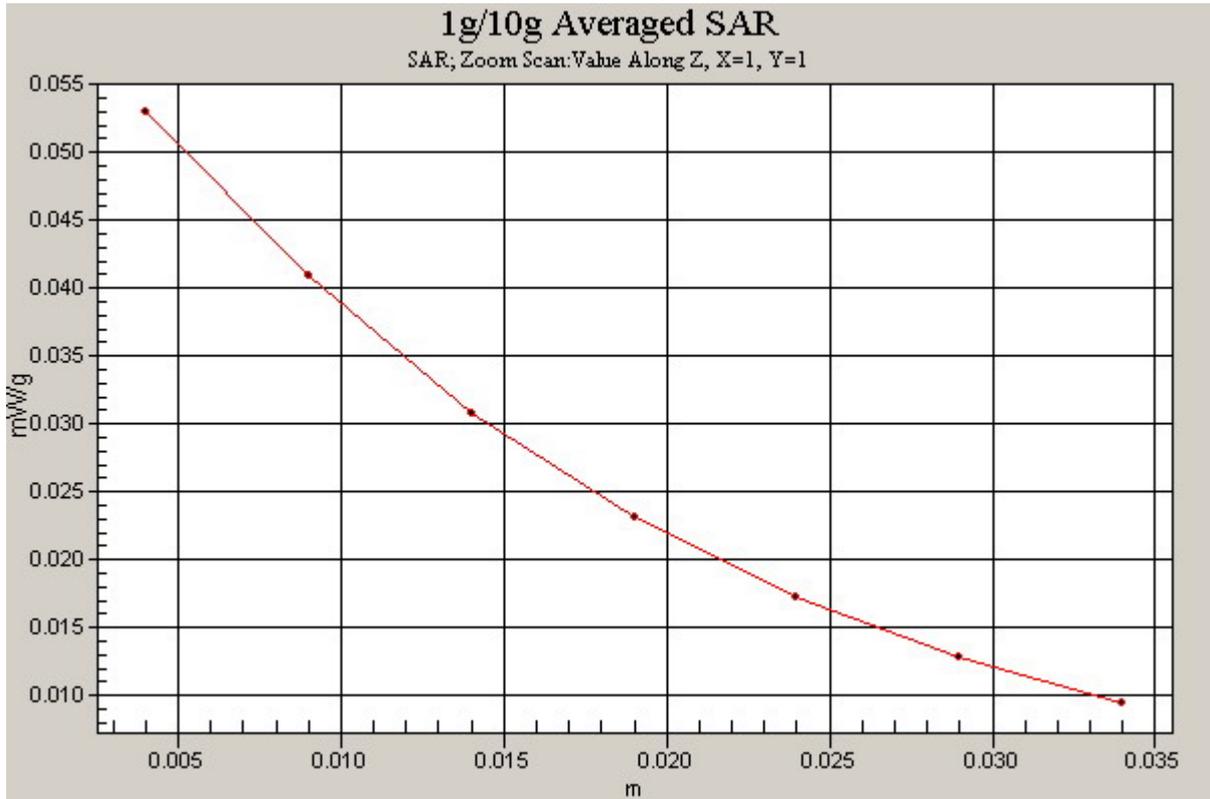


Fig. 26 Z-Scan at power reference point (GSM 850MHz CH251)

**GSM 850 Right Tilt Middle**

Communication System: GSM 850; Frequency: 837 MHz; Duty Cycle: 1:8.3

Medium: Head 850MHz

Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.943$  mho/m;  $\epsilon_r = 42.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Probe: ET3DV6 - SN1737; ConvF(6.85, 6.85, 6.85);)

- Electronics: DAE3 Sn452;

**Tilt Middle/Area Scan (51x131x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.056 mW/g

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

Reference Value = 4.09 V/m; Power Drift = 0.150 dB

Peak SAR (extrapolated) = 0.066 W/kg

**SAR(1 g) = 0.050 mW/g; SAR(10 g) = 0.035 mW/g**

Maximum value of SAR (measured) = 0.052 mW/g

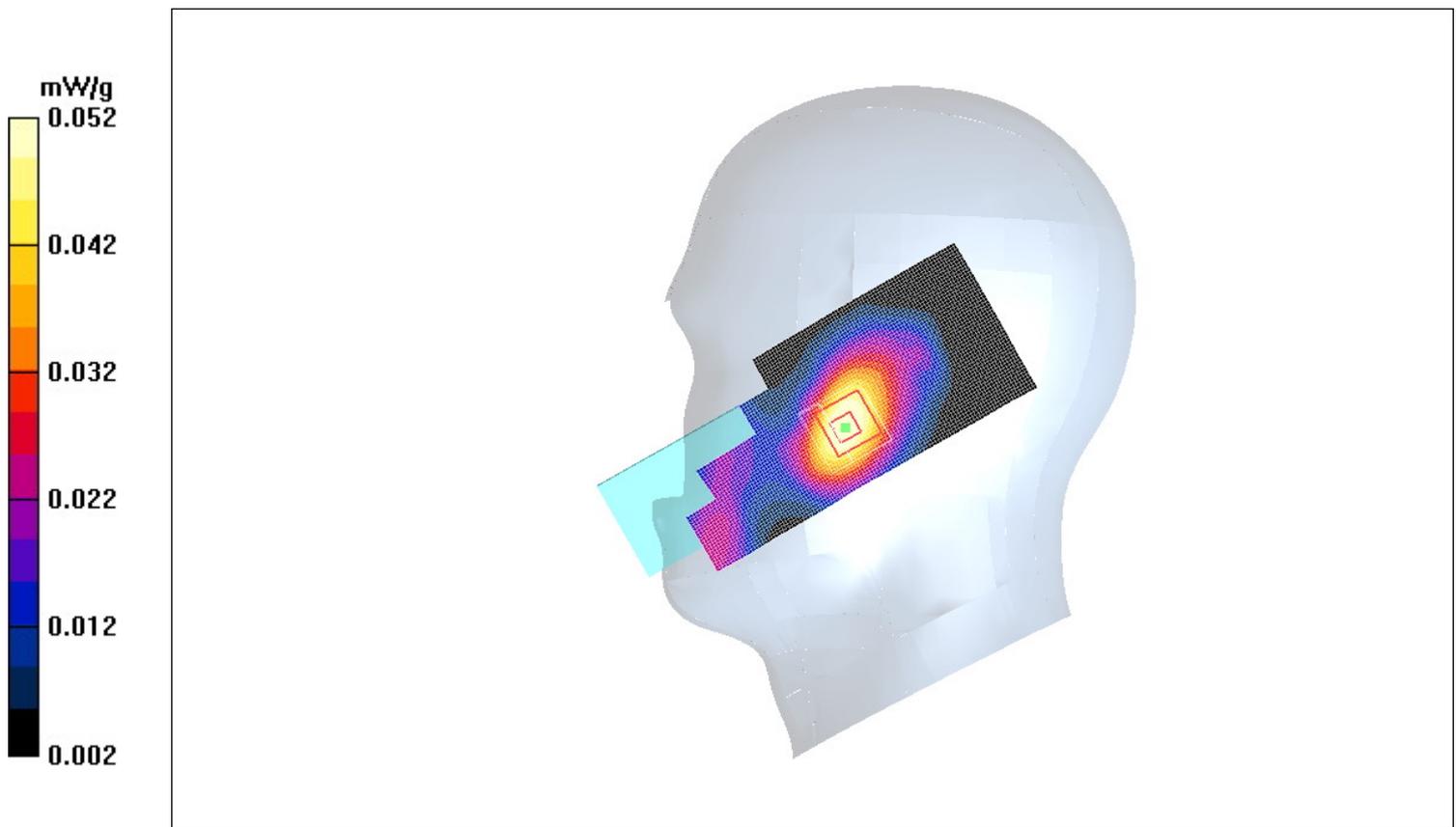


Fig. 27 Right Hand Tilt 15° GSM 850MHz CH192



Fig.28 Z-Scan at power reference point (GSM 850MHz CH192)

**GSM 850 Right Tilt Low**

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium: Head 850MHz

Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.923$  mho/m;  $\epsilon_r = 42.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Probe: ET3DV6 - SN1737; ConvF(6.85, 6.85, 6.85);

- Electronics: DAE3 Sn452;

**Tilt Low/Area Scan (51x131x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.044 mW/g

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

Reference Value = 3.74 V/m; Power Drift = -0.035 dB

Peak SAR (extrapolated) = 0.051 W/kg

**SAR(1 g) = 0.040 mW/g; SAR(10 g) = 0.028 mW/g**

Maximum value of SAR (measured) = 0.041 mW/g

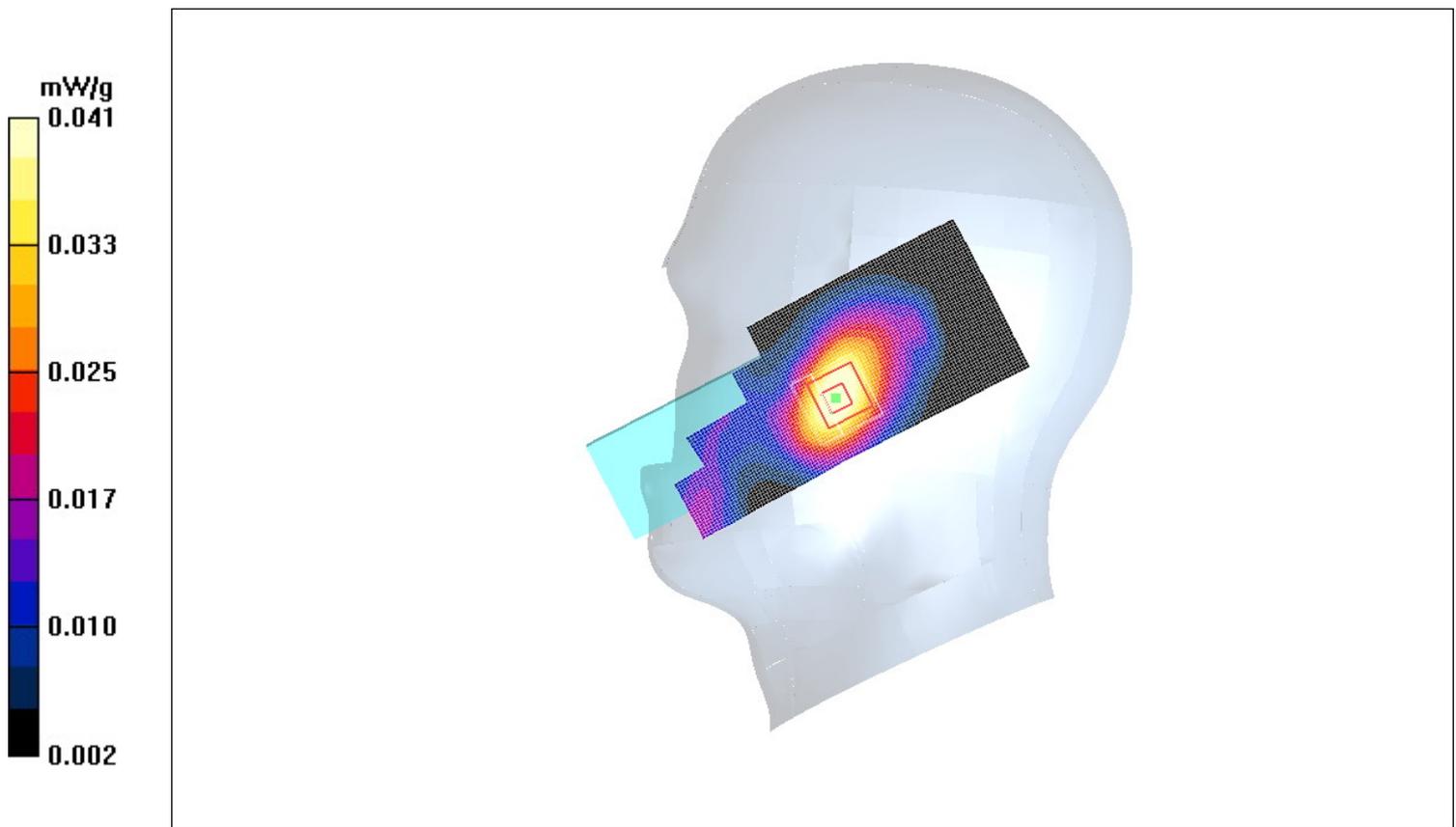


Fig. 29 Right Hand Tilt 15° GSM 850MHz CH128

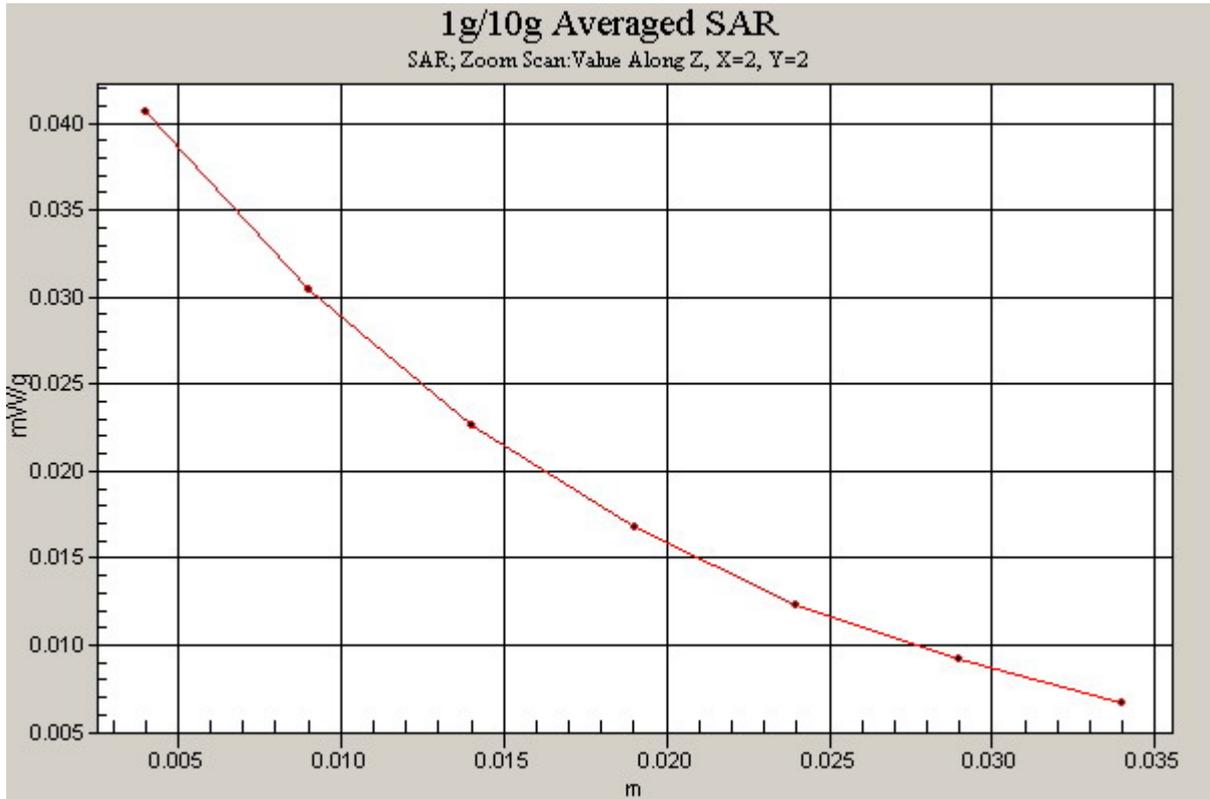


Fig. 30 Z-Scan at power reference point (GSM 850MHz CH128)

**GSM 850 Toward the ground High**

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium: Body 835MHz

Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 1.01$  mho/m;  $\epsilon_r = 55$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Probe: ET3DV6 - SN1737; ConvF(6.52, 6.52, 6.52);

- Electronics: DAE3 Sn452;

**Towards Ground High/Area Scan (51x131x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.664 mW/g

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

Reference Value = 5.57 V/m; Power Drift = 0.010 dB

Peak SAR (extrapolated) = 0.856 W/kg

**SAR(1 g) = 0.614 mW/g; SAR(10 g) = 0.414 mW/g**

Maximum value of SAR (measured) = 0.661 mW/g

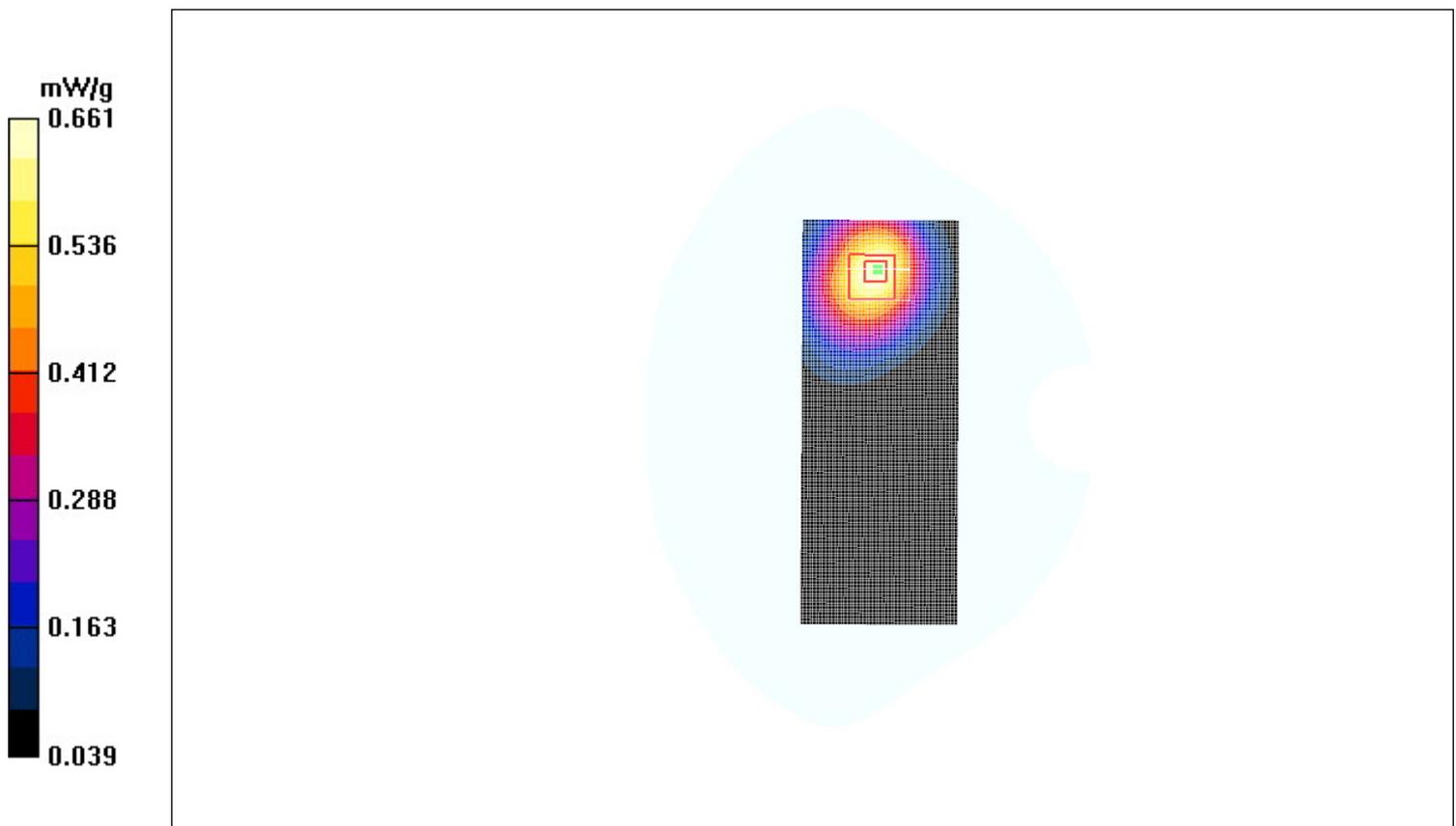


Fig. 31 Body, Towards the ground, GSM 850MHz, CH251

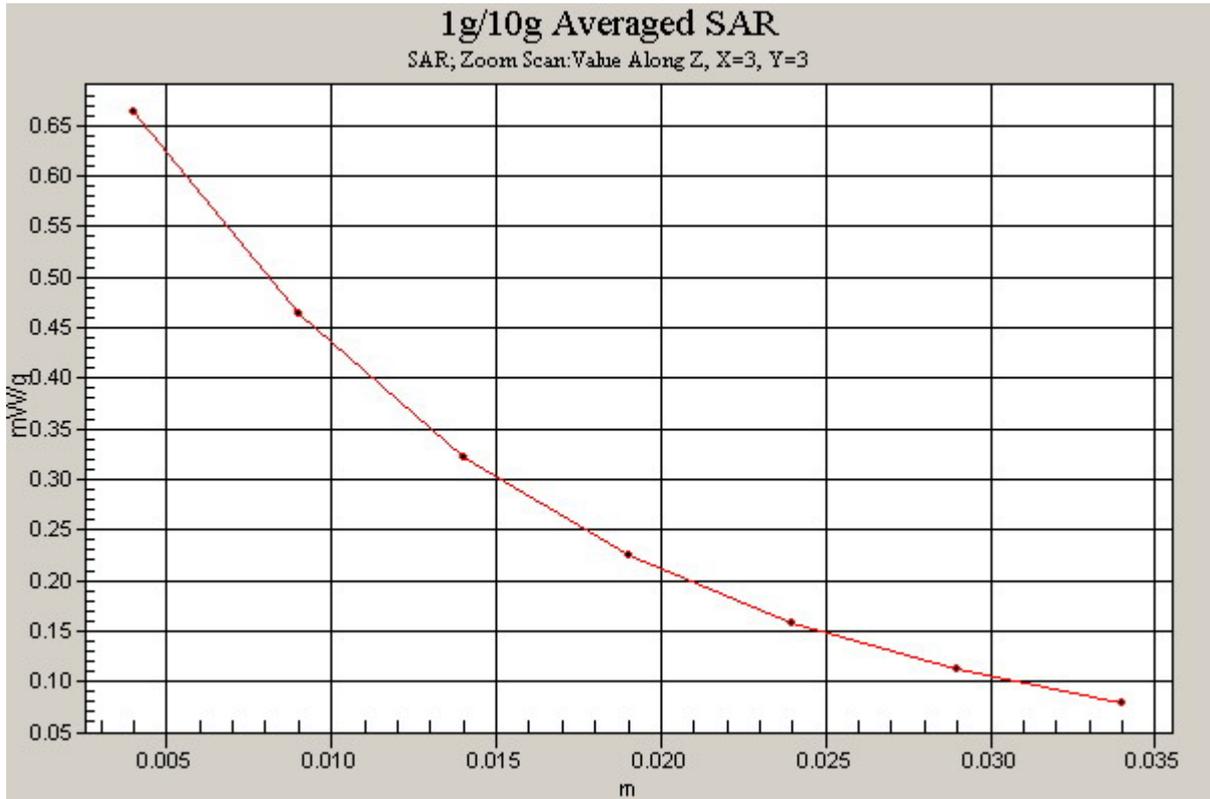


Fig. 32 Z-Scan at power reference point (Body, Towards the ground, GSM 850MHz, CH251)

**GSM 850 Toward the ground Middle**

Communication System: GSM 850; Frequency: 837 MHz; Duty Cycle: 1:8.3

Medium: Body 835MHz

Medium parameters used (interpolated):  $f = 837$  MHz;  $\sigma = 0.99$  mho/m;  $\epsilon_r = 55.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Probe: ET3DV6 - SN1737; ConvF(6.52, 6.52, 6.52);

- Electronics: DAE3 Sn452;

**Towards Ground Middle/Area Scan (51x131x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.553 mW/g

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

Reference Value = 5.20 V/m; Power Drift = -0.023 dB

Peak SAR (extrapolated) = 0.710 W/kg

**SAR(1 g) = 0.512 mW/g; SAR(10 g) = 0.344 mW/g**

Maximum value of SAR (measured) = 0.533 mW/g

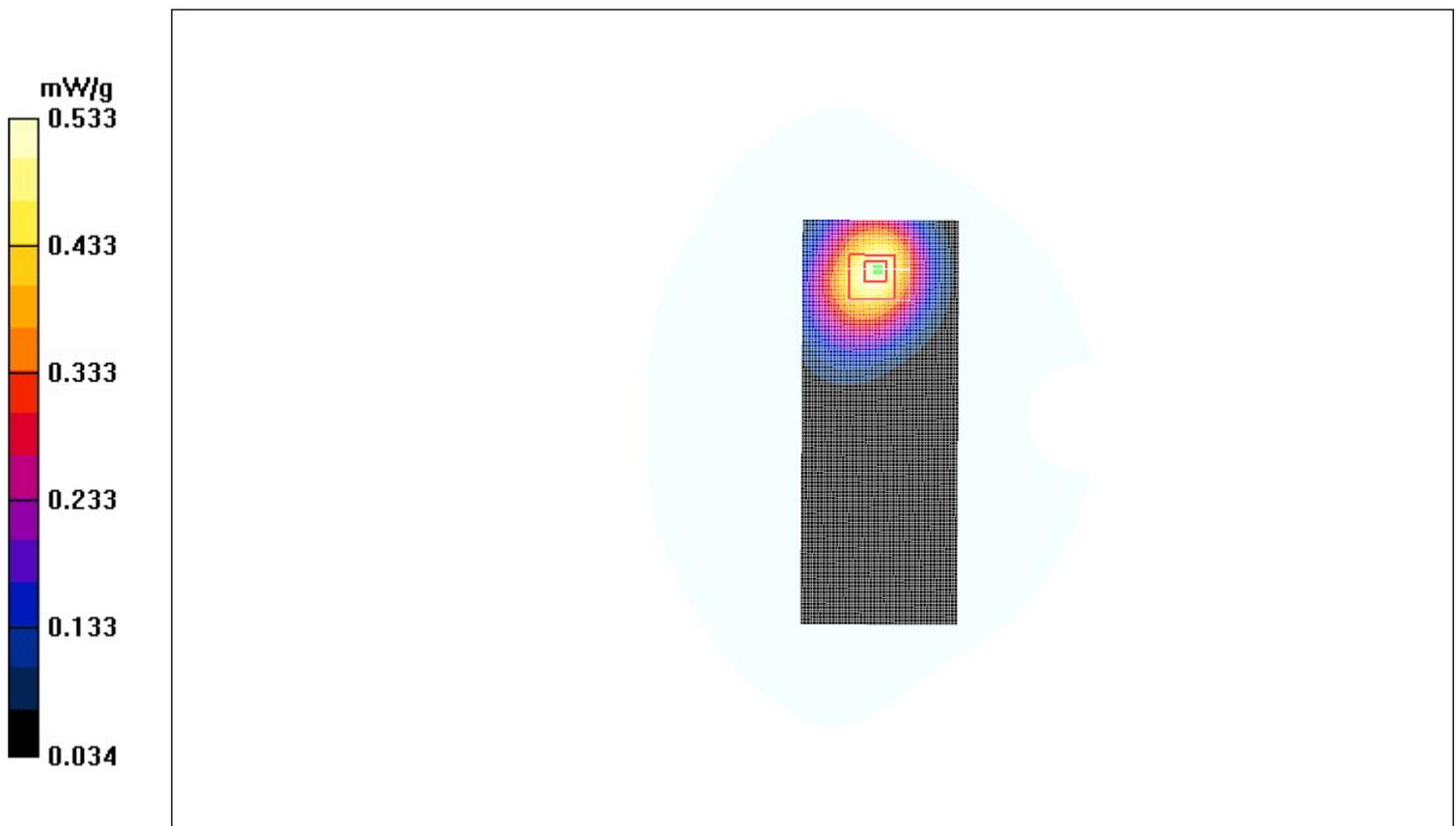


Fig. 33 Body, Towards the ground, GSM 850MHz, CH192

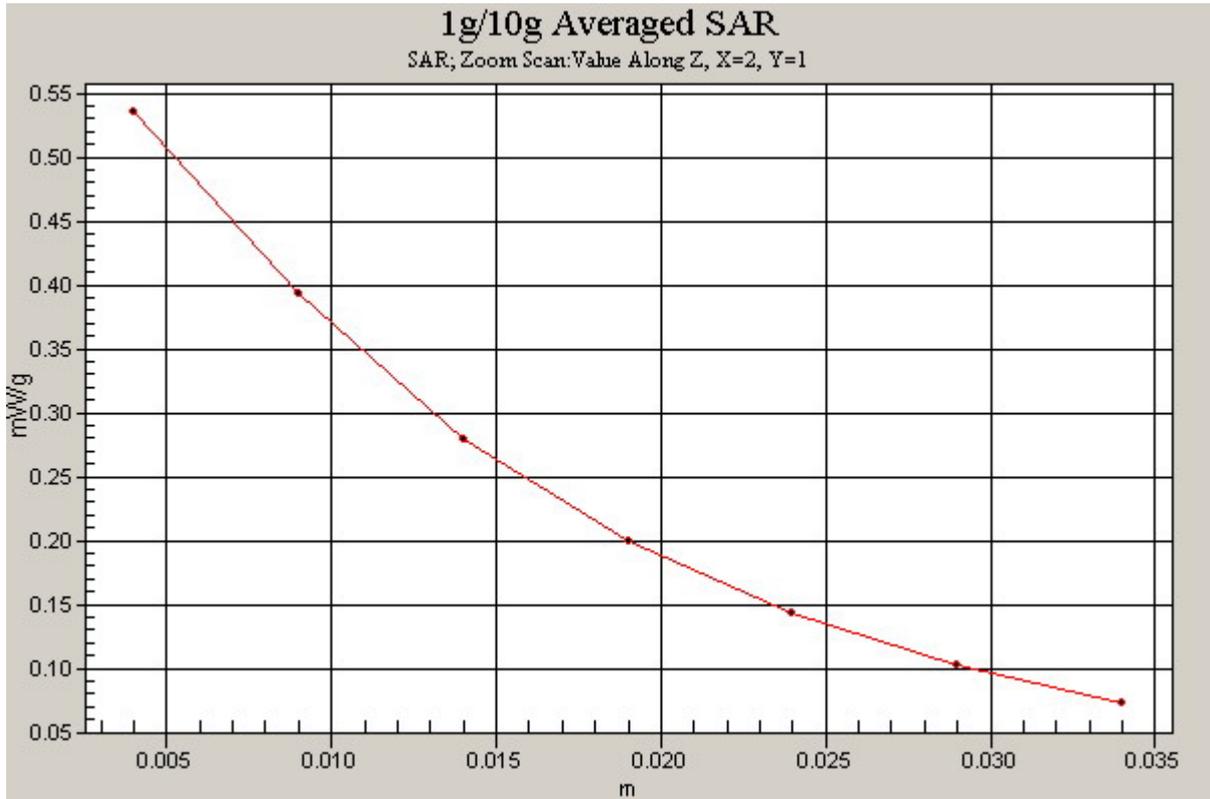


Fig. 34 Z-Scan at power reference point (Body, Towards the ground, GSM 850MHz, CH192)

**GSM 850 Toward the ground Low**

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium: Body 835MHz

Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.984$  mho/m;  $\epsilon_r = 55.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Probe: ET3DV6 - SN1737; ConvF(6.52, 6.52, 6.52);

- Electronics: DAE3 Sn452;

**Towards Ground Low/Area Scan (51x131x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.414 mW/g

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

Reference Value = 4.66 V/m; Power Drift = -0.023 dB

Peak SAR (extrapolated) = 0.536 W/kg

**SAR(1 g) = 0.383 mW/g; SAR(10 g) = 0.257 mW/g**

Maximum value of SAR (measured) = 0.398 mW/g

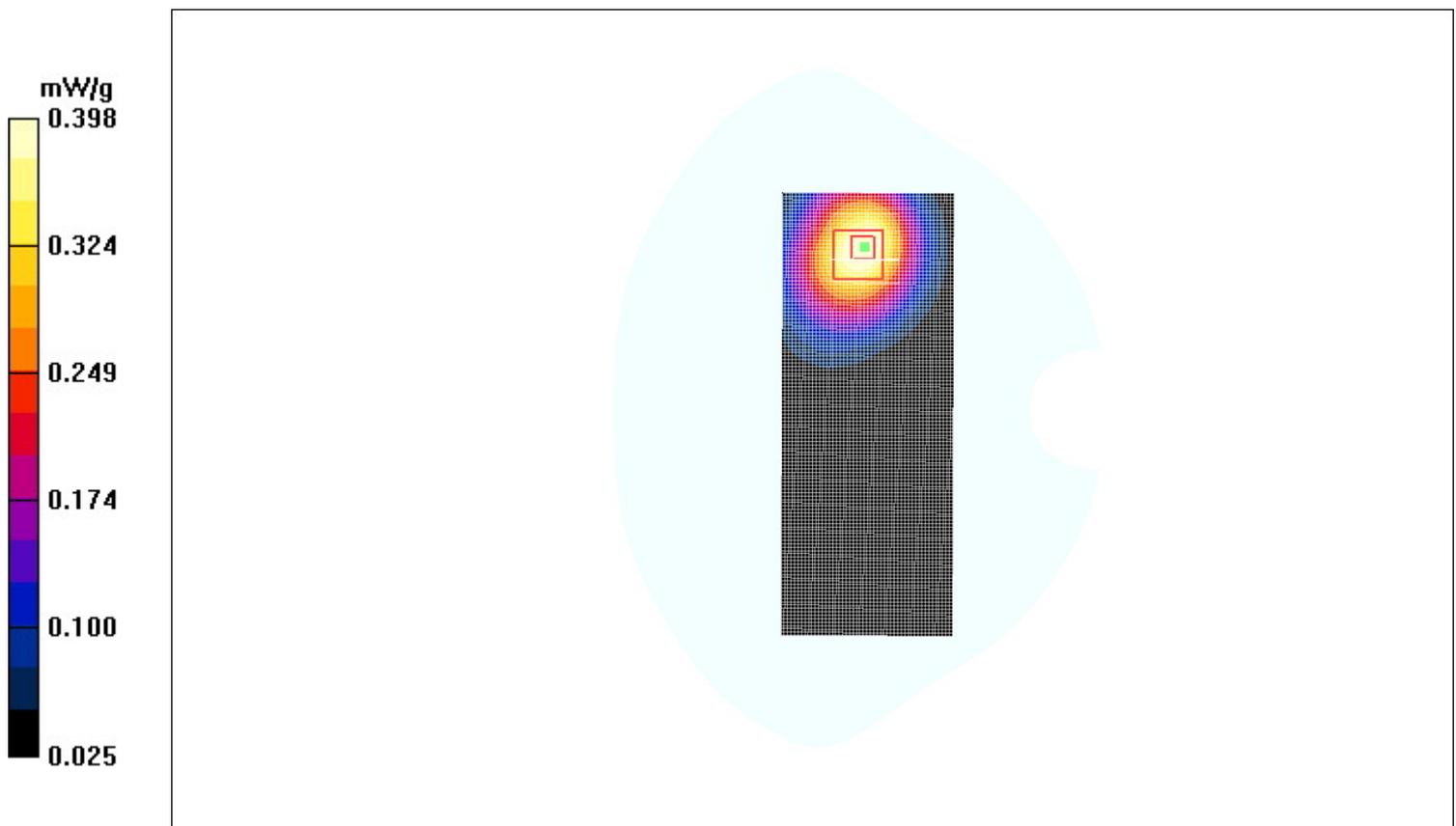


Fig. 35 Body, Towards the ground, GSM 850MHz, CH128

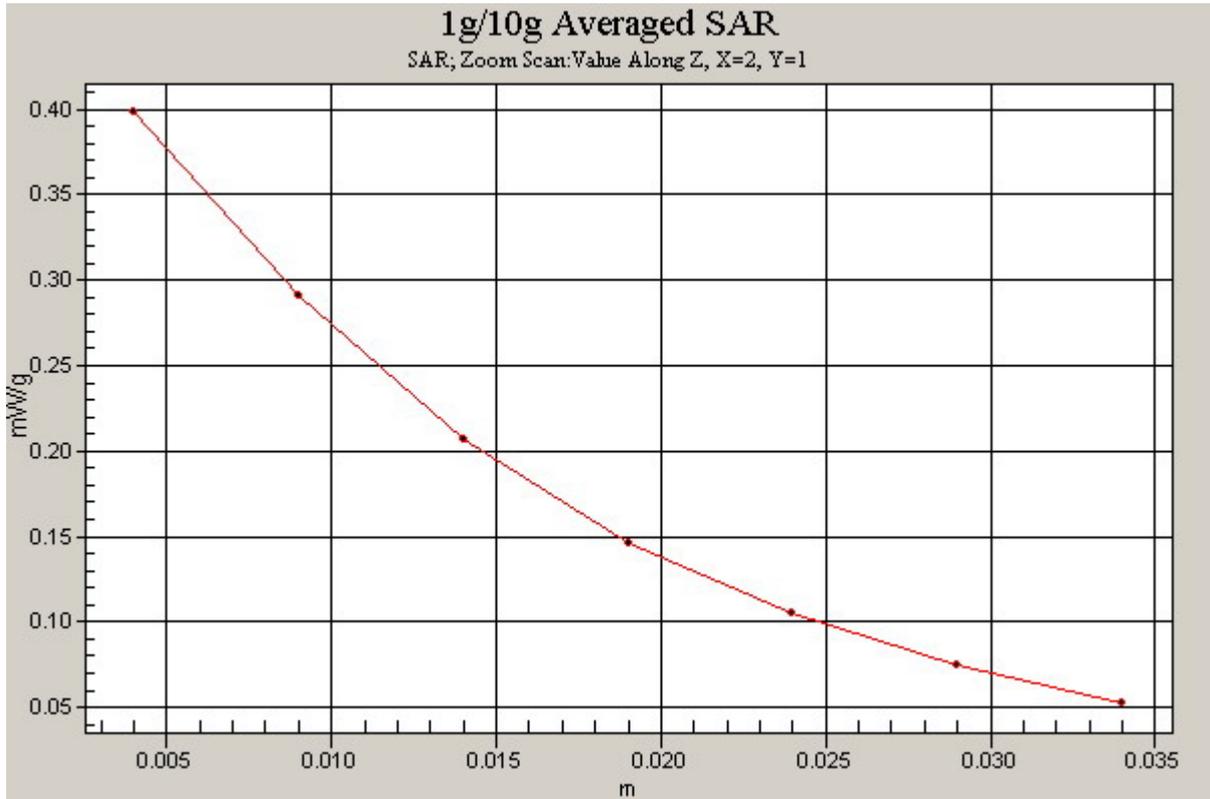


Fig. 36 Z-Scan at power reference point (Body, Towards the ground, GSM 850MHz, CH128)

**Bluetooth earphone GSM 850 Towards the ground High**

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium: Body 835MHz

Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 1.01$  mho/m;  $\epsilon_r = 55$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Probe: ET3DV6 - SN1737; ConvF(6.52, 6.52, 6.52);

- Electronics: DAE3 Sn452;

**Towards Ground High/Area Scan (51x131x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.625 mW/g

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

Reference Value = 6.46 V/m; Power Drift = -0.085 dB

Peak SAR (extrapolated) = 0.788 W/kg

**SAR(1 g) = 0.571 mW/g; SAR(10 g) = 0.384 mW/g**

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

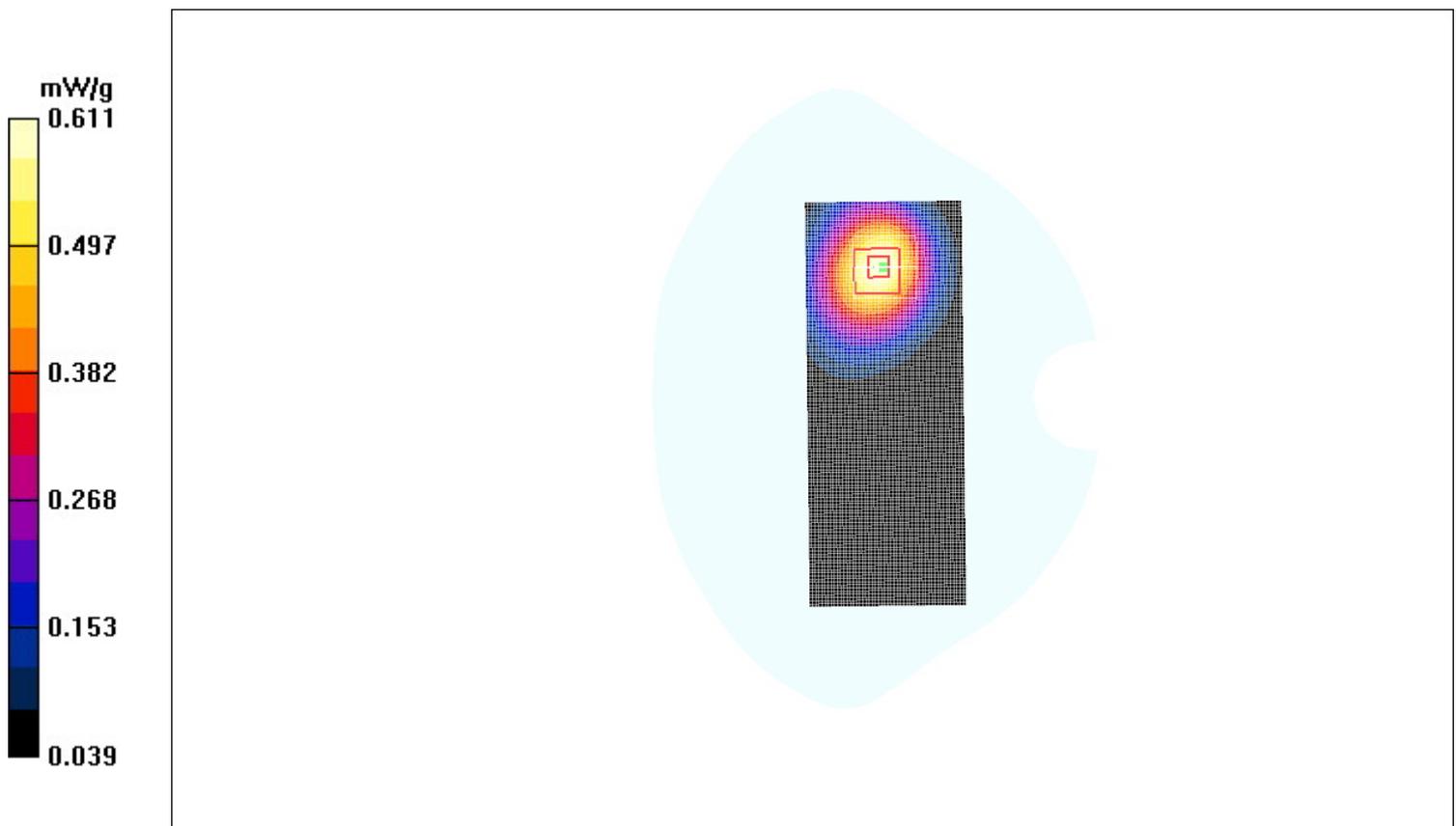


Fig. 37 Body with Bluetooth earphone, Towards the ground, GSM 850MHz, CH251

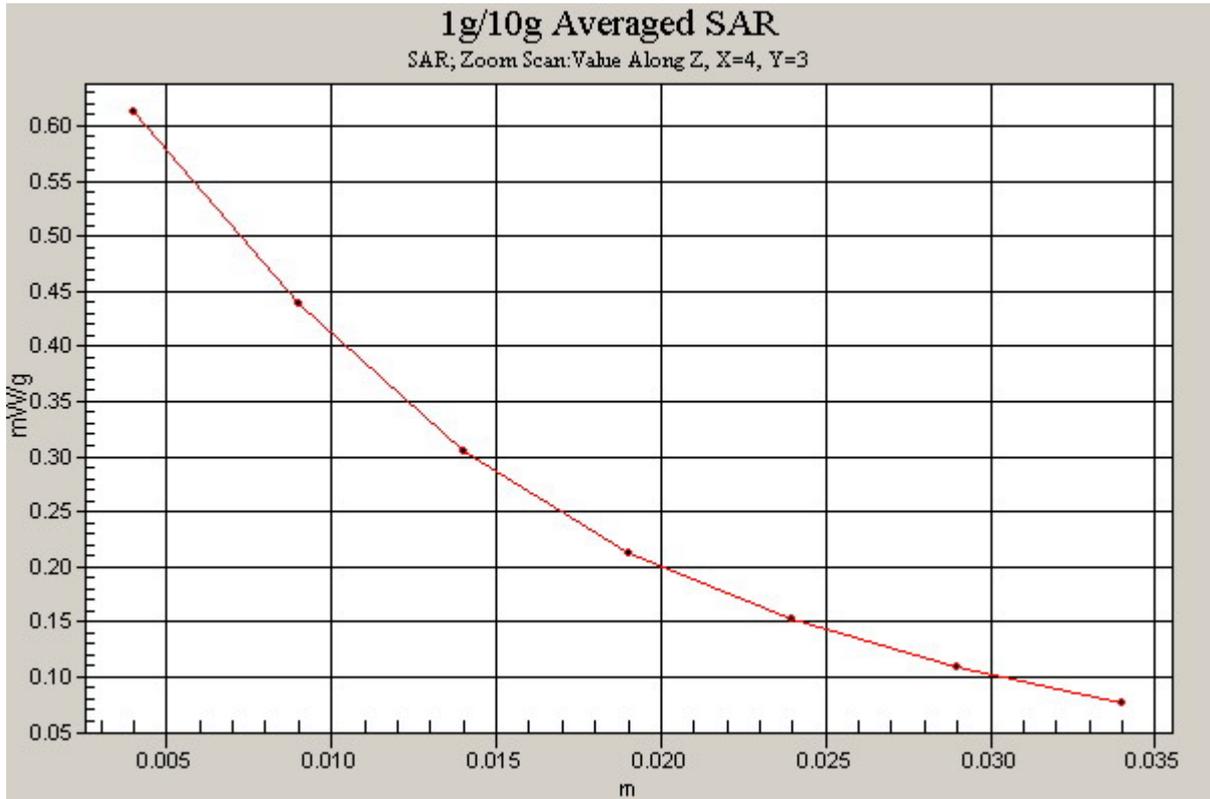


Fig. 38 Z-Scan at power reference point  
(Body with Bluetooth earphone, Towards the Ground, GSM 850MHz, CH251)

**GSM 850MHz +GPRS Towards the ground High**

Communication System: GSM850 + GPRS(2Up); Frequency: 848.8 MHz; Duty Cycle: 1:4

Medium: Body 835MHz

Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 1.01$  mho/m;  $\epsilon_r = 55$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Probe: ET3DV6 - SN1737; ConvF(6.52, 6.52, 6.52);

- Electronics: DAE4 Sn905;

**Towards Ground High/Area Scan (51x131x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.20 mW/g

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

Reference Value = 9.18 V/m; Power Drift = 0.127 dB

Peak SAR (extrapolated) = 1.55 W/kg

**SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.734 mW/g**

Maximum value of SAR (measured) = 1.17 mW/g

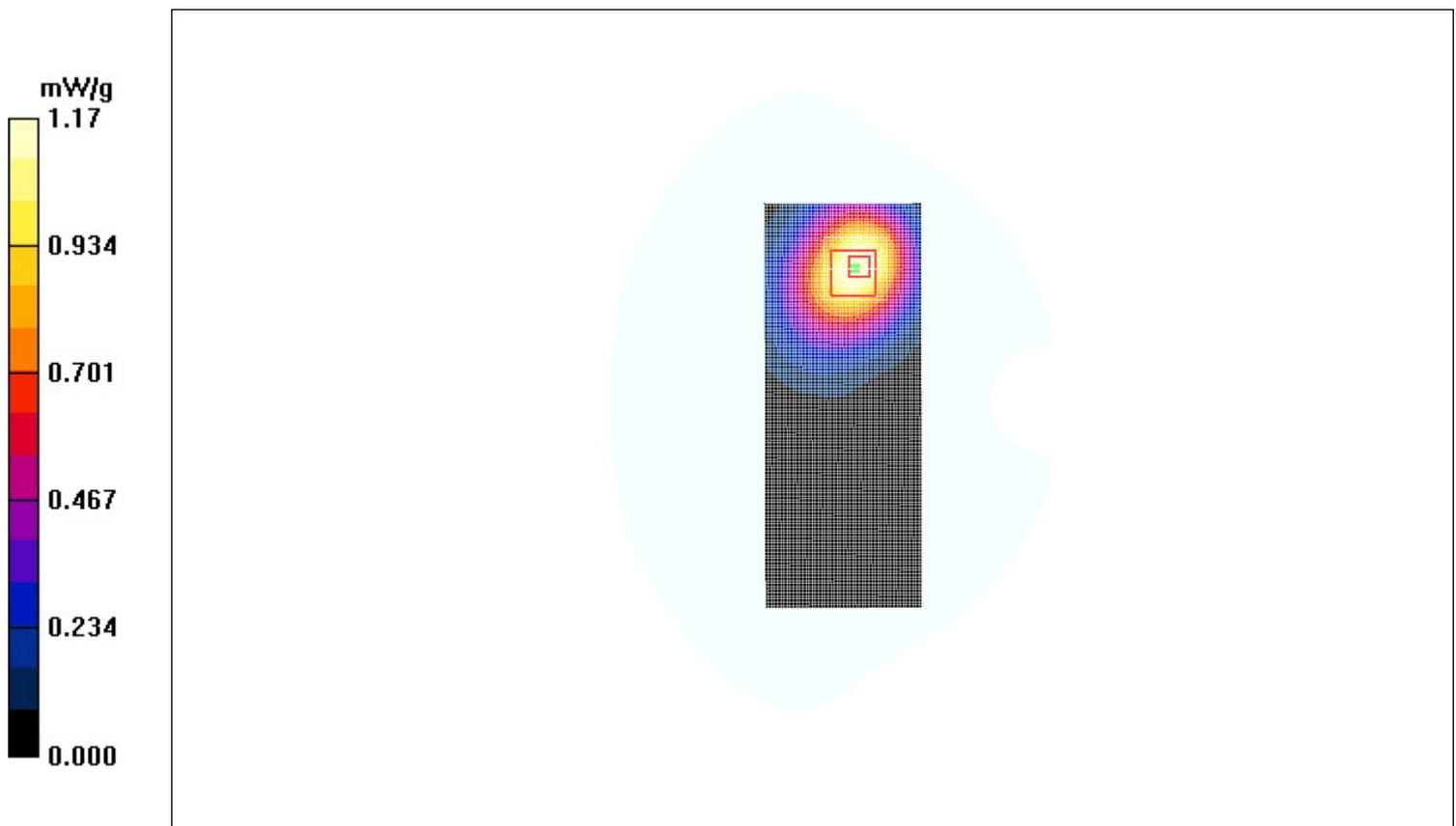


Fig. 39 Body, Towards the ground, GSM850MHz+GPRS , CH251

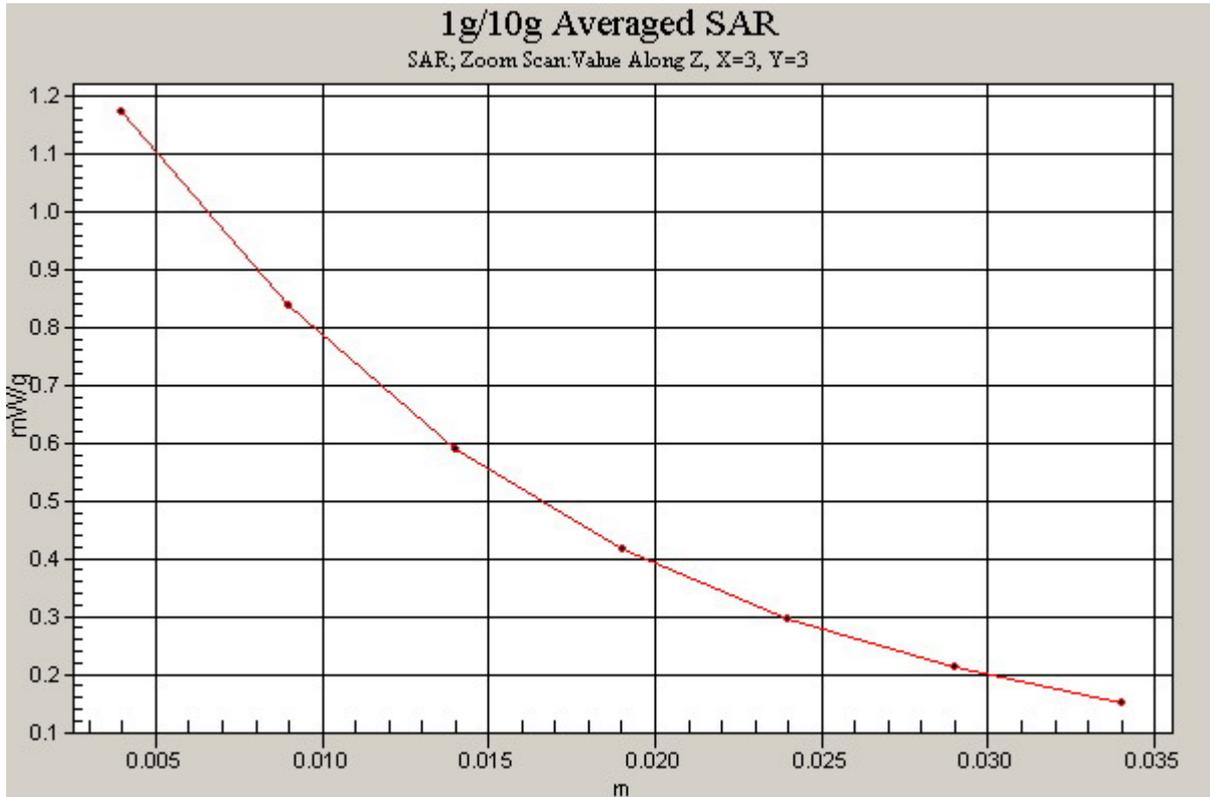


Fig. 40 Z-Scan at power reference point (Body, Towards the ground, GSM 850MHz+GPRS, CH251)

**GSM 850MHz+GPRS Towards the ground Middle**

Communication System: GSM850 + GPRS(2Up); Frequency: 837 MHz; Duty Cycle: 1:4

Medium: Body 835MHz

Medium parameters used (interpolated):  $f = 837$  MHz;  $\sigma = 0.99$  mho/m;  $\epsilon_r = 55.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Probe: ET3DV6 - SN1737; ConvF(6.52, 6.52, 6.52);

- Electronics: DAE3 Sn452;

**Towards Ground Middle/Area Scan (51x131x1):** Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 8.46 V/m; Power Drift = -0.089 dB

Peak SAR (extrapolated) = 1.38 W/kg

**SAR(1 g) = 0.973 mW/g; SAR(10 g) = 0.653 mW/g**

Maximum value of SAR (measured) = 1.05 mW/g

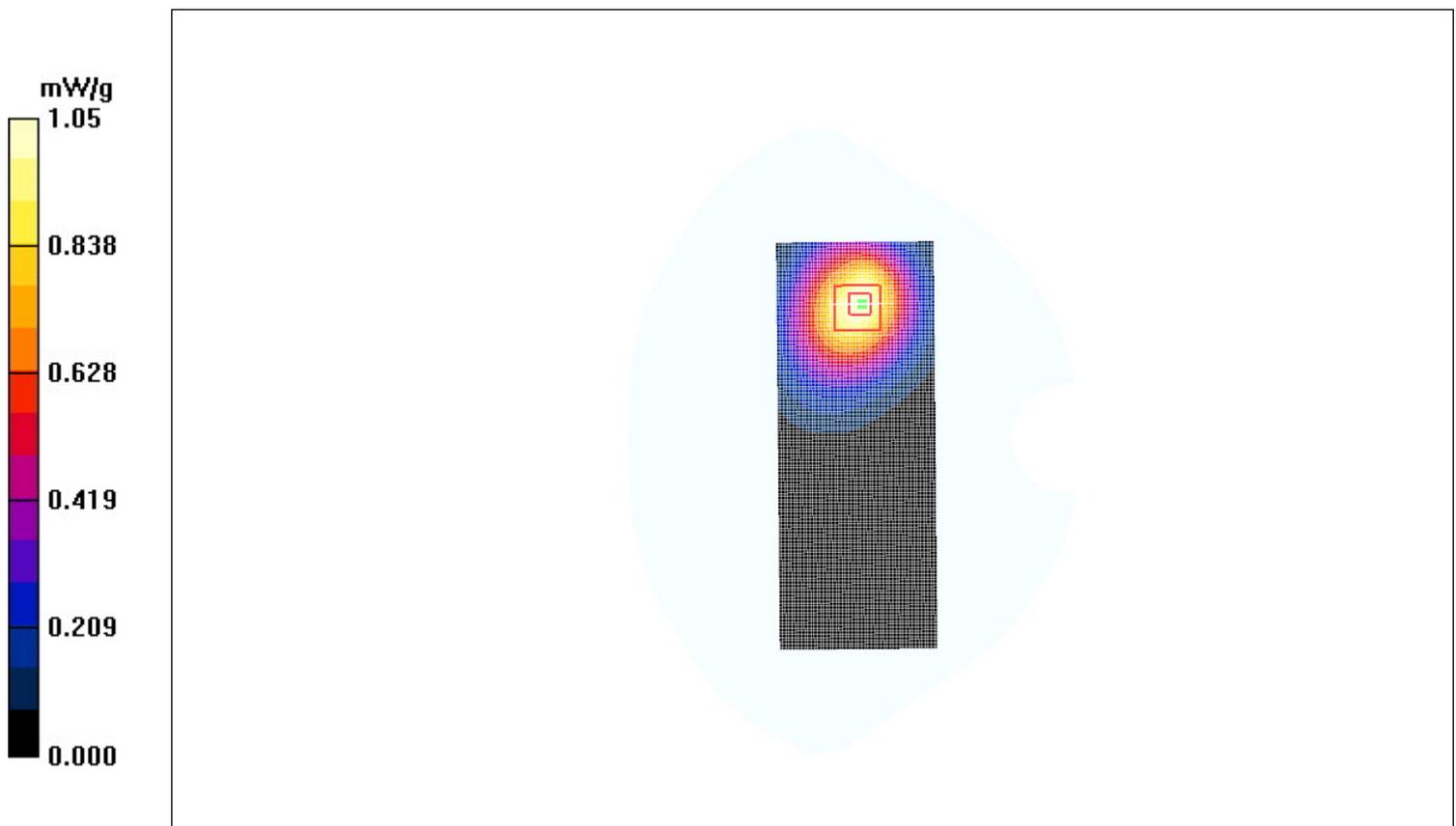


Fig. 41 Body, Towards the ground, GSM850MHz+GPRS, CH192



Fig. 42 Z-Scan at power reference point (Body, Towards the ground, GSM 850MHz+GPRS, CH192)

**GSM 850MHz+GPRS Towards the ground Low**

Communication System: GSM850 + GPRS(2Up); Frequency: 824.2 MHz; Duty Cycle: 1:4

Medium: Body 835MHz

Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.984$  mho/m;  $\epsilon_r = 55.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Probe: ET3DV6 - SN1737; ConvF(6.52, 6.52, 6.52);

- Electronics: DAE3 Sn452;

**Towards Ground Low/Area Scan (51x131x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.779 mW/g

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

Reference Value = 7.21 V/m; Power Drift = -0.096 dB

Peak SAR (extrapolated) = 1.14 W/kg

**SAR(1 g) = 0.771 mW/g; SAR(10 g) = 0.496 mW/g**

Maximum value of SAR (measured) = 0.764 mW/g

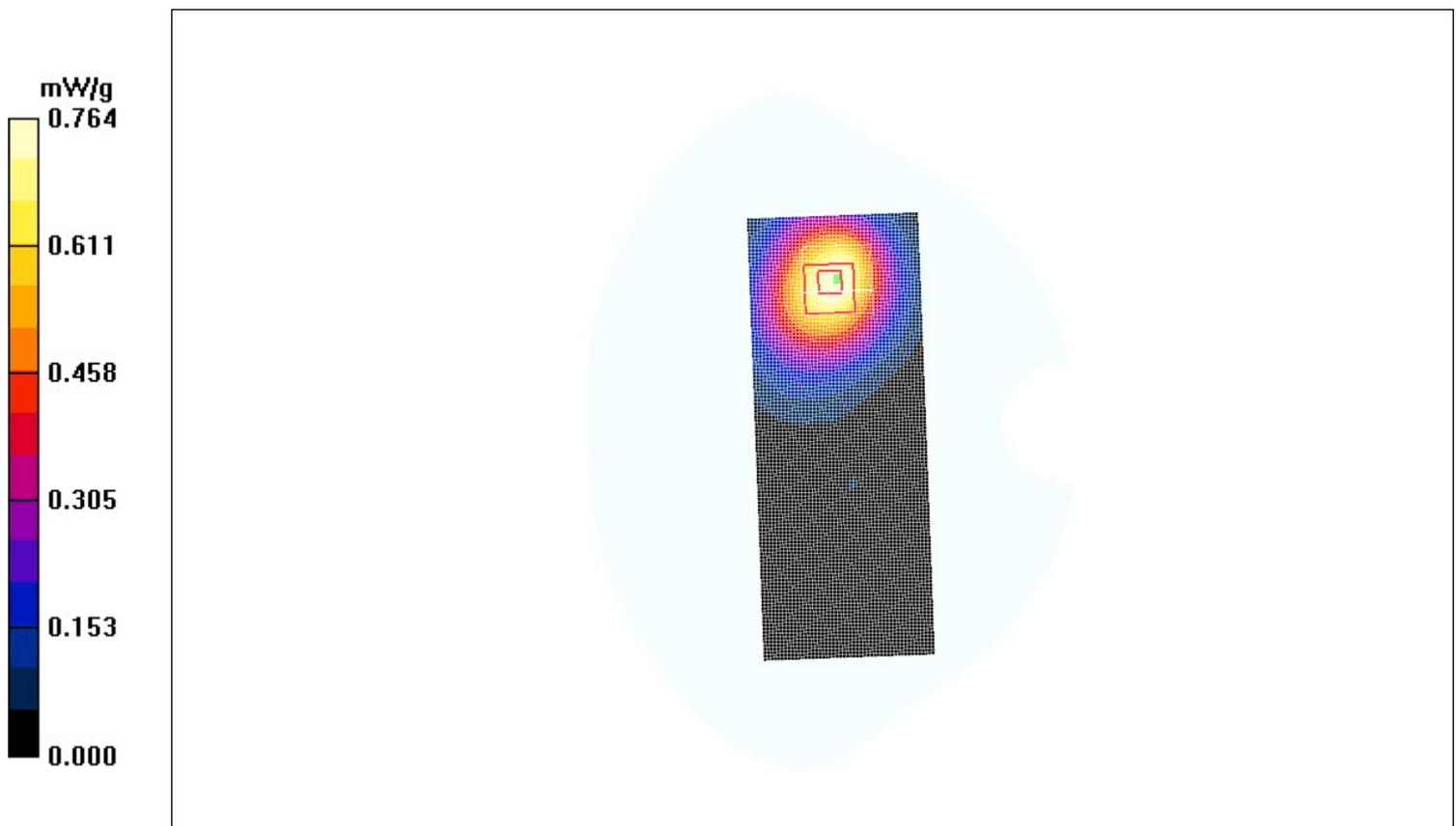


Fig. 43 Body, Towards the ground, GSM850MHz+GPRS, CH128



Fig. 44 Z-Scan at power reference point (Body, Towards the ground, GSM 850MHz+GPRS, CH128)

**GSM 850MHz+EGPRS Towards the ground High**

Communication System: GSM850 + EGPRS (2Up); Frequency: 848.8 MHz; Duty Cycle: 1:4

Medium: Body 835MHz

Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 1.01$  mho/m;  $\epsilon_r = 55$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Probe: ET3DV6 - SN1737; ConvF(6.52, 6.52, 6.52);

- Electronics: DAE3 Sn452;

**Towards Ground High/Area Scan (51x131x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.251 mW/g

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

Reference Value = 3.32 V/m; Power Drift = -0.068 dB

Peak SAR (extrapolated) = 0.324 W/kg

**SAR(1 g) = 0.233 mW/g; SAR(10 g) = 0.156 mW/g**

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

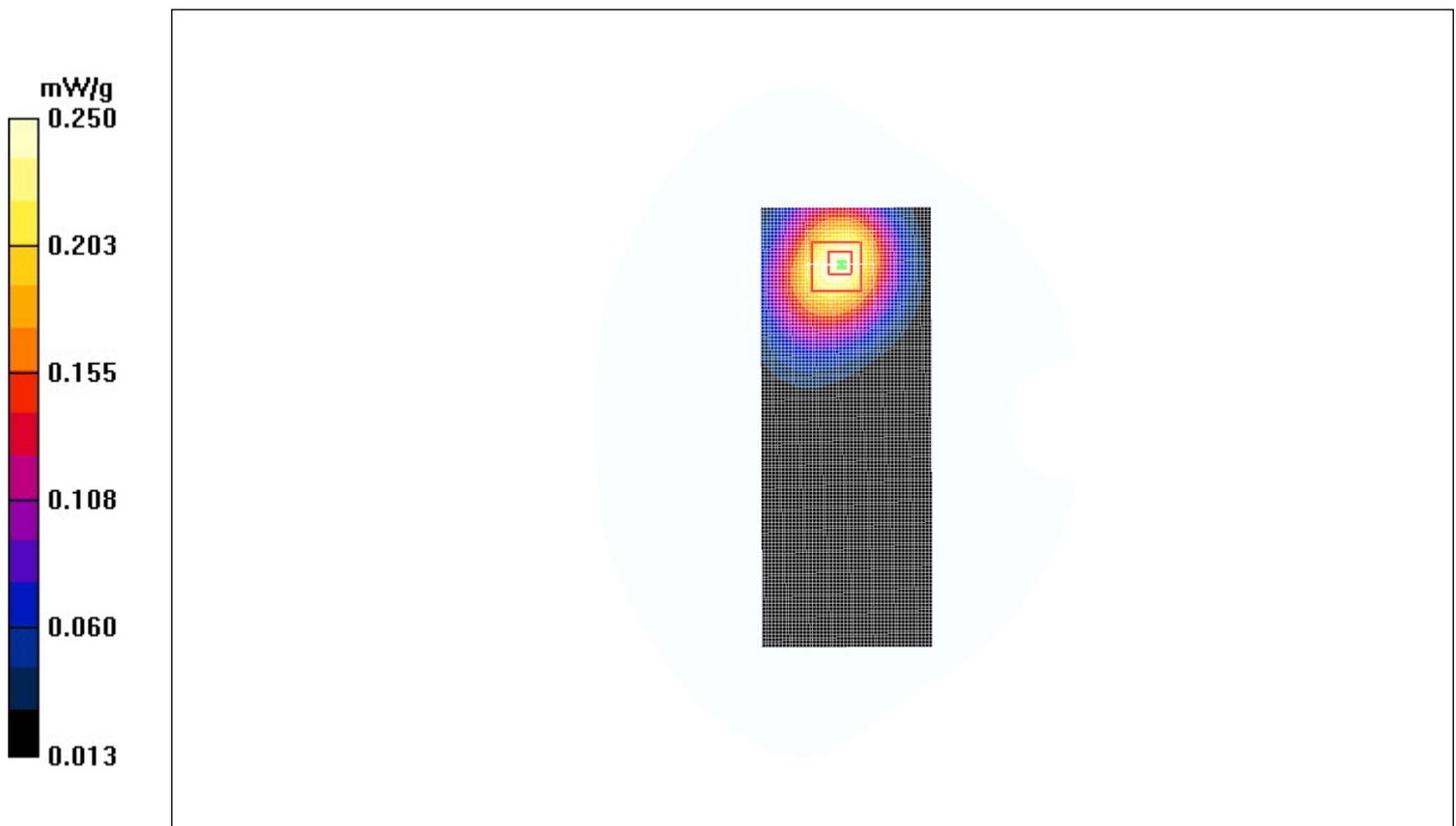


Fig. 45 Body, Towards the ground, GSM850MHz+EGPRS, CH251

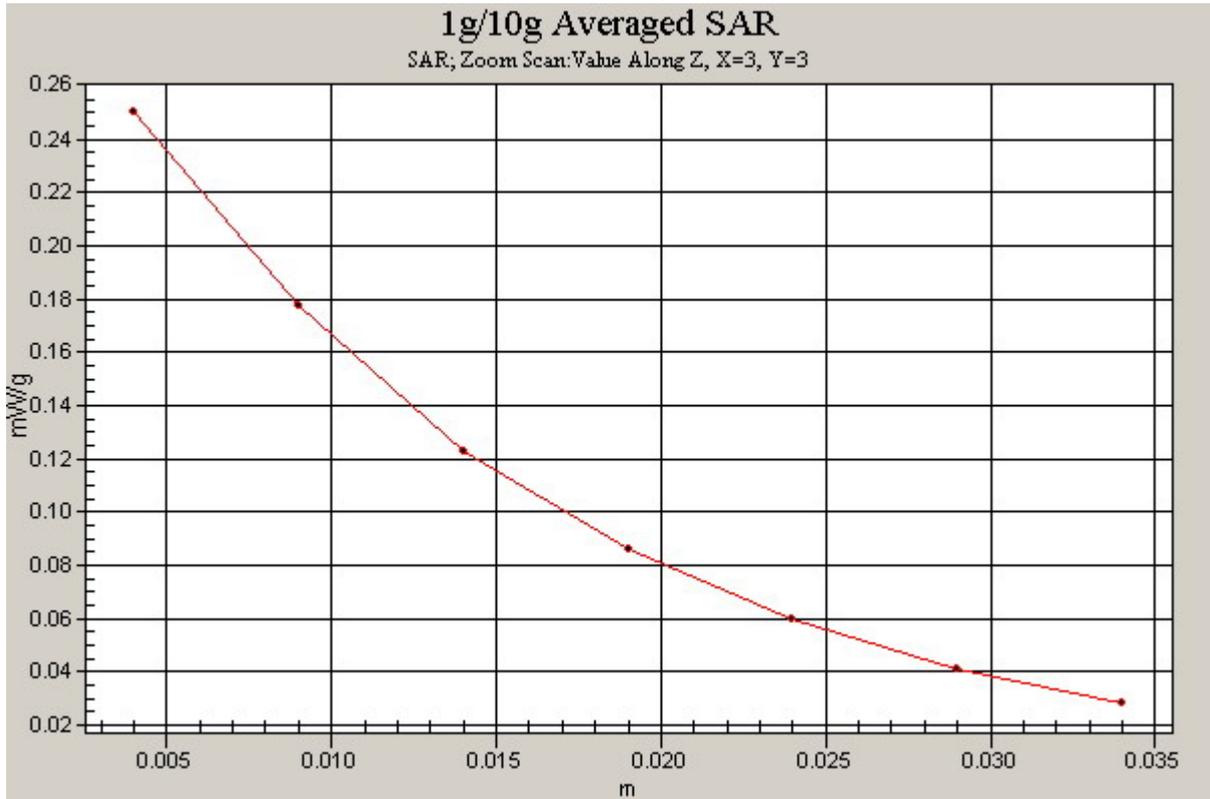


Fig. 46 Z-Scan at power reference point (Body, Towards the ground, GSM 850MHz+EGPRS, CH251)

**PCS 1900 Left Cheek High**

Communication System: PCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium: Head 1900MHz

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.43$  mho/m;  $\epsilon_r = 40$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Probe: ET3DV6 - SN1737; ConvF(5.15, 5.15, 5.15);

- Electronics: DAE3 Sn452;

**Cheek High/Area Scan (51x141x1):** Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 0.706 V/m; Power Drift = 0.135 dB

Peak SAR (extrapolated) = 0.618 W/kg

**SAR(1 g) = 0.400 mW/g; SAR(10 g) = 0.232 mW/g**

Maximum value of SAR (measured) = 0.405 mW/g

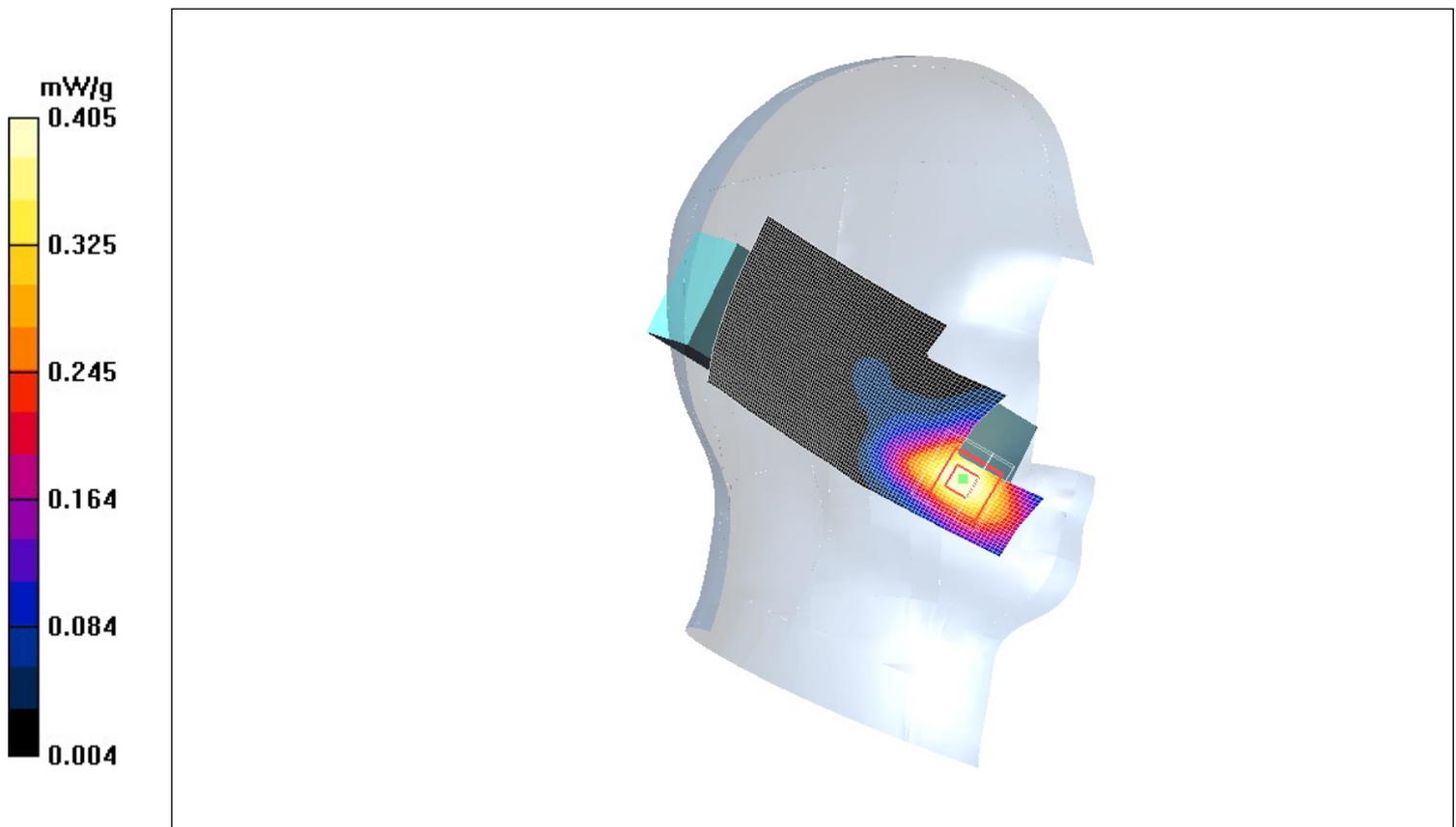


Fig. 47 Left Hand Touch Cheek PCS 1900MHz CH810

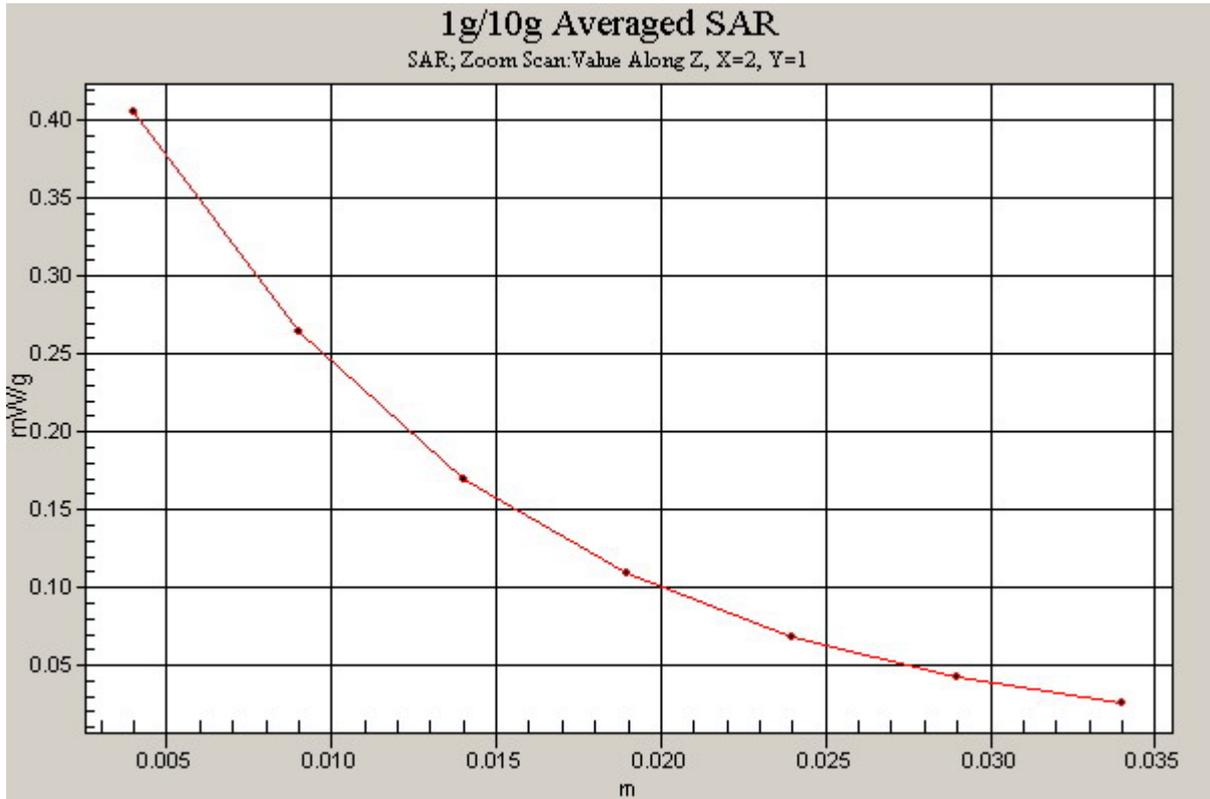


Fig. 48 Z-Scan at power reference point (PCS 1900MHz CH810)

**PCS 1900 Left Cheek Middle**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: Head 1900MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 40$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Probe: ET3DV6 - SN1737; ConvF(5.15, 5.15, 5.15);

- Electronics: DAE3 Sn452;

**Cheek Middle/Area Scan (51x141x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.476 mW/g

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

Reference Value = 1.13 V/m; Power Drift = 0.129 dB

Peak SAR (extrapolated) = 0.664 W/kg

**SAR(1 g) = 0.445 mW/g; SAR(10 g) = 0.262 mW/g**

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

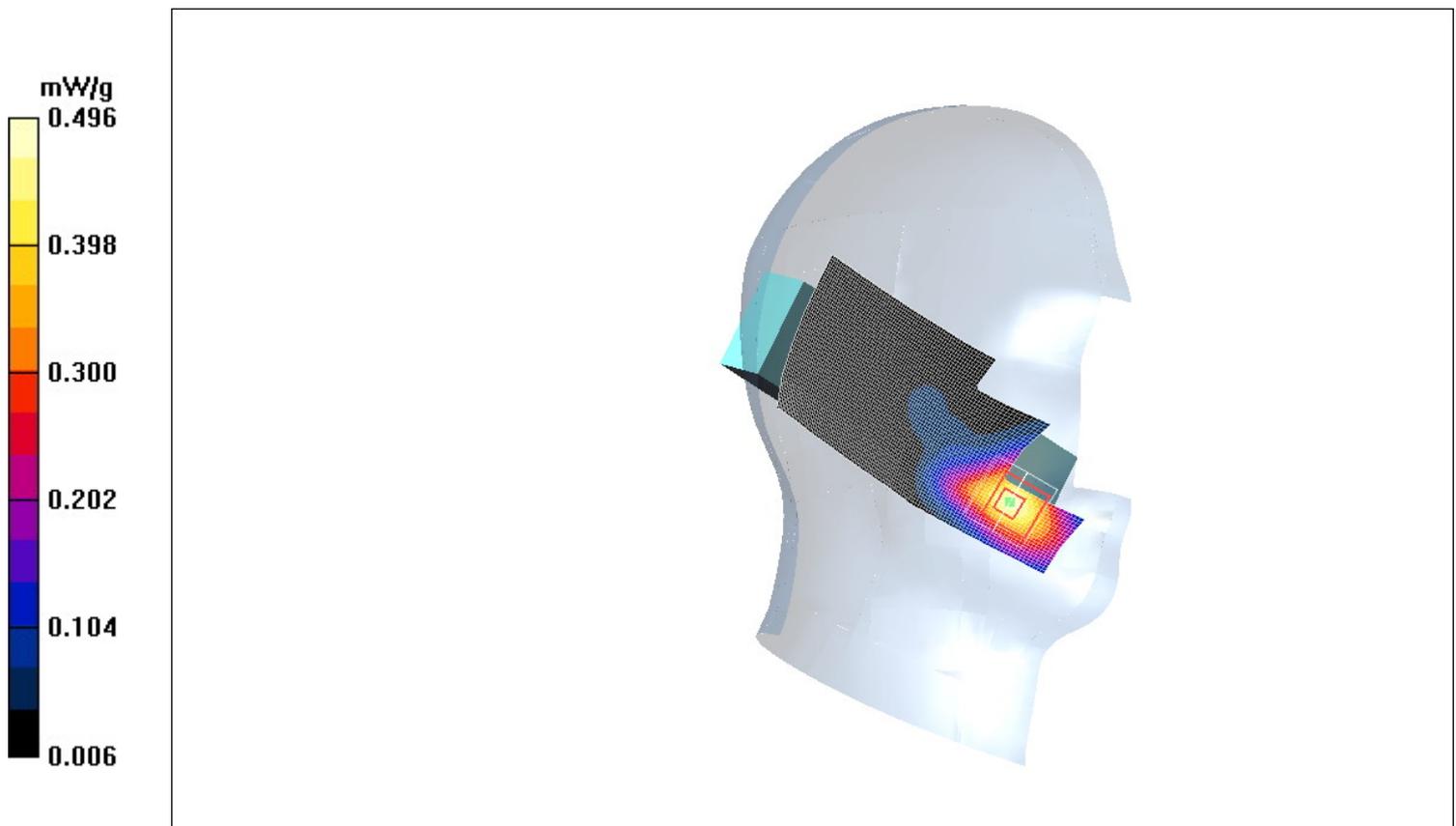


Fig. 49 Left Hand Touch Cheek PCS 1900MHz CH661

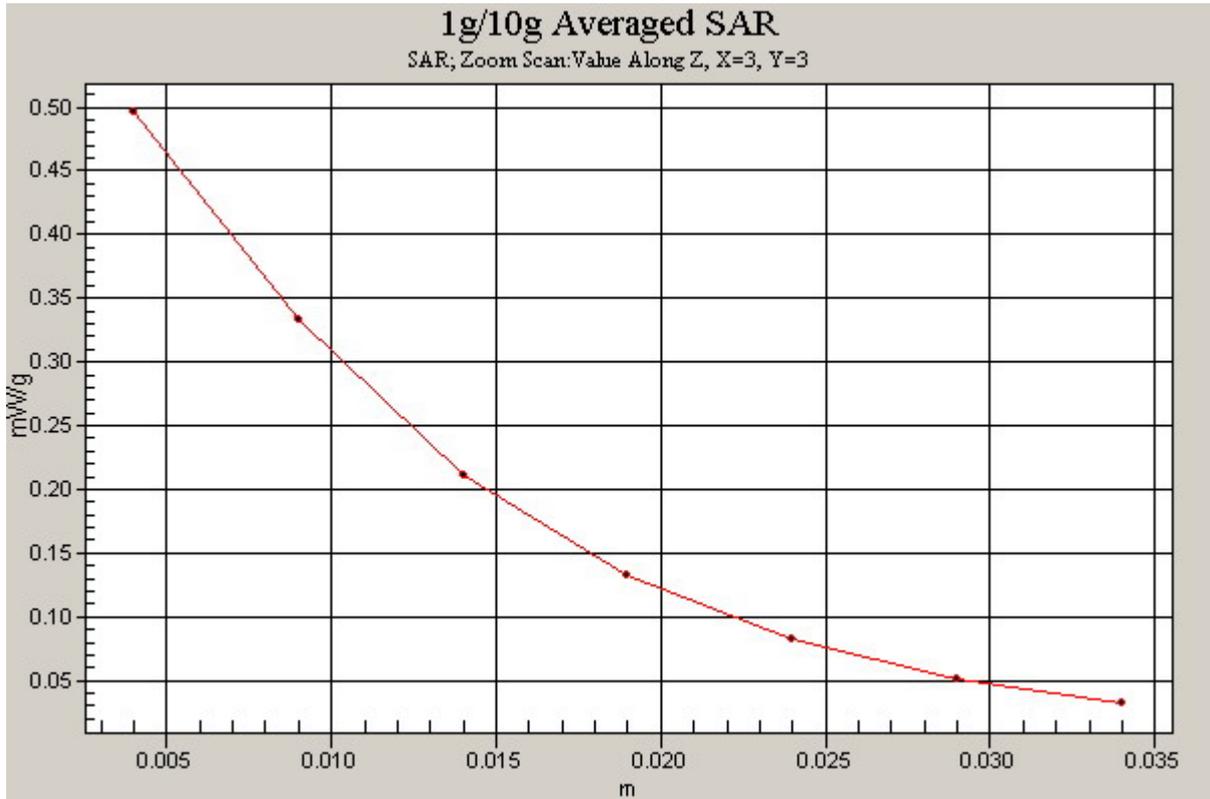


Fig. 50 Z-Scan at power reference point (PCS 1900MHz CH661)

**PCS 1900 Left Cheek Low**

Communication System: PCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium: Head 1900MHz

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.35$  mho/m;  $\epsilon_r = 40.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Probe: ET3DV6 - SN1737; ConvF(5.15, 5.15, 5.15);

- Electronics: DAE3 Sn452;

**Cheek Low/Area Scan (51x141x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.456 mW/g

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

Reference Value = 1.38 V/m; Power Drift = 0.166 dB

Peak SAR (extrapolated) = 0.636 W/kg

**SAR(1 g) = 0.428 mW/g; SAR(10 g) = 0.255 mW/g**

Maximum value of SAR (measured) = 0.427 mW/g

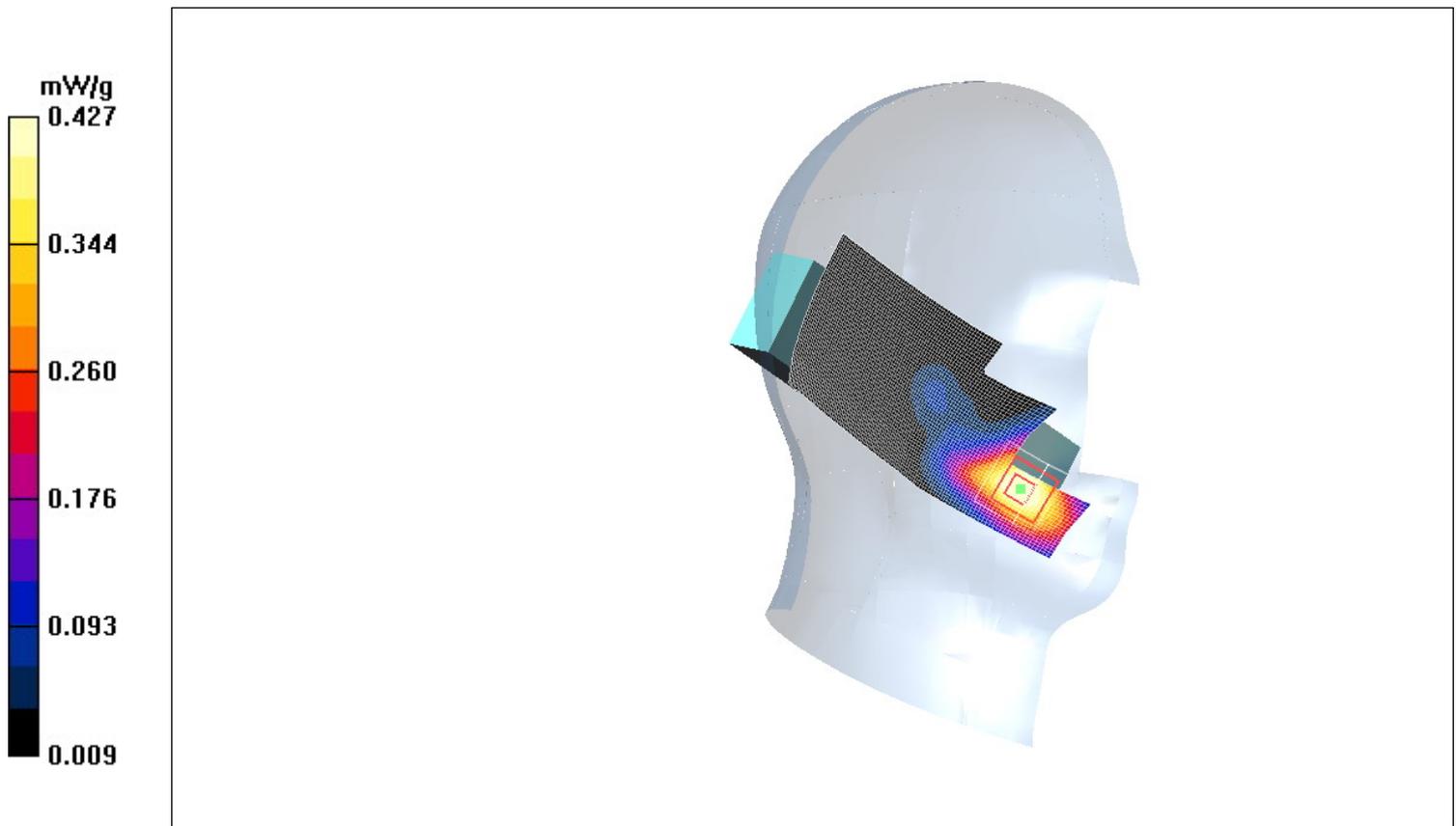


Fig. 51 Left Hand Touch Cheek PCS 1900MHz CH512

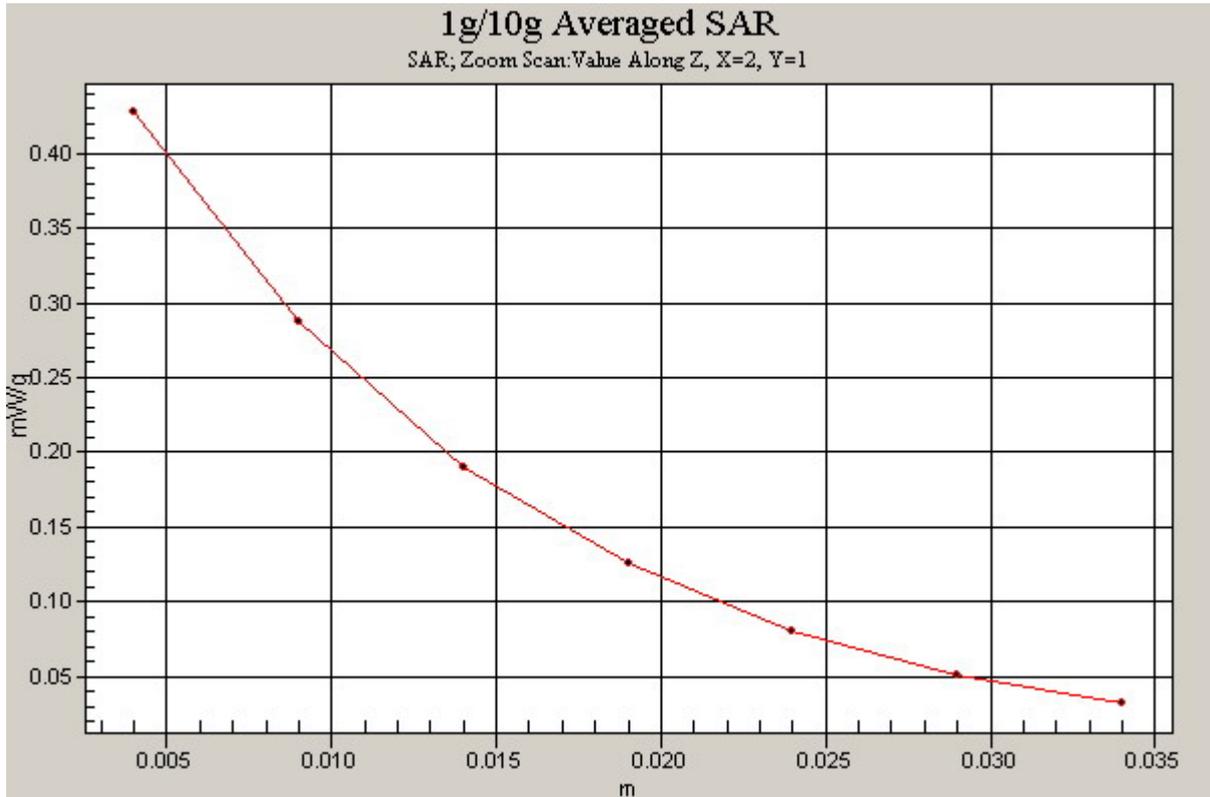


Fig. 52 Z-Scan at power reference point (PCS 1900MHz CH512)

**PCS 1900 Left Tilt High**

Communication System: PCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium: Head 1900MHz

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.43$  mho/m;  $\epsilon_r = 40$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Probe: ET3DV6 - SN1737; ConvF(5.15, 5.15, 5.15);

- Electronics: DAE3 Sn452;

**Tilt High/Area Scan (51x141x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.037 mW/g

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

Reference Value = 2.55 V/m; Power Drift = -0.198 dB

Peak SAR (extrapolated) = 0.051 W/kg

**SAR(1 g) = 0.033 mW/g; SAR(10 g) = 0.021 mW/g**

Maximum value of SAR (measured) = 0.035 mW/g

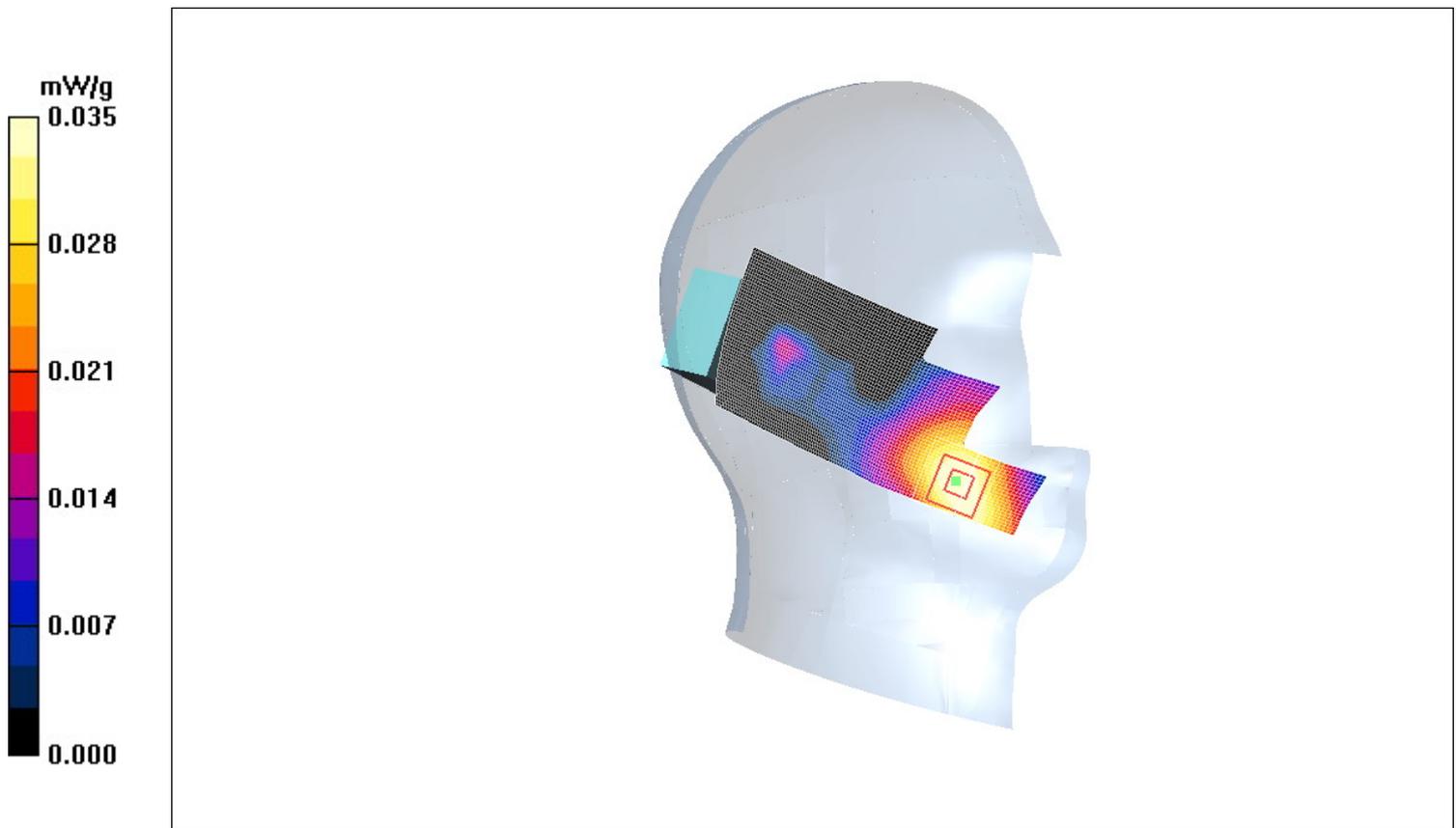


Fig.53 Left Hand Tilt 15°PCS 1900MHz CH810

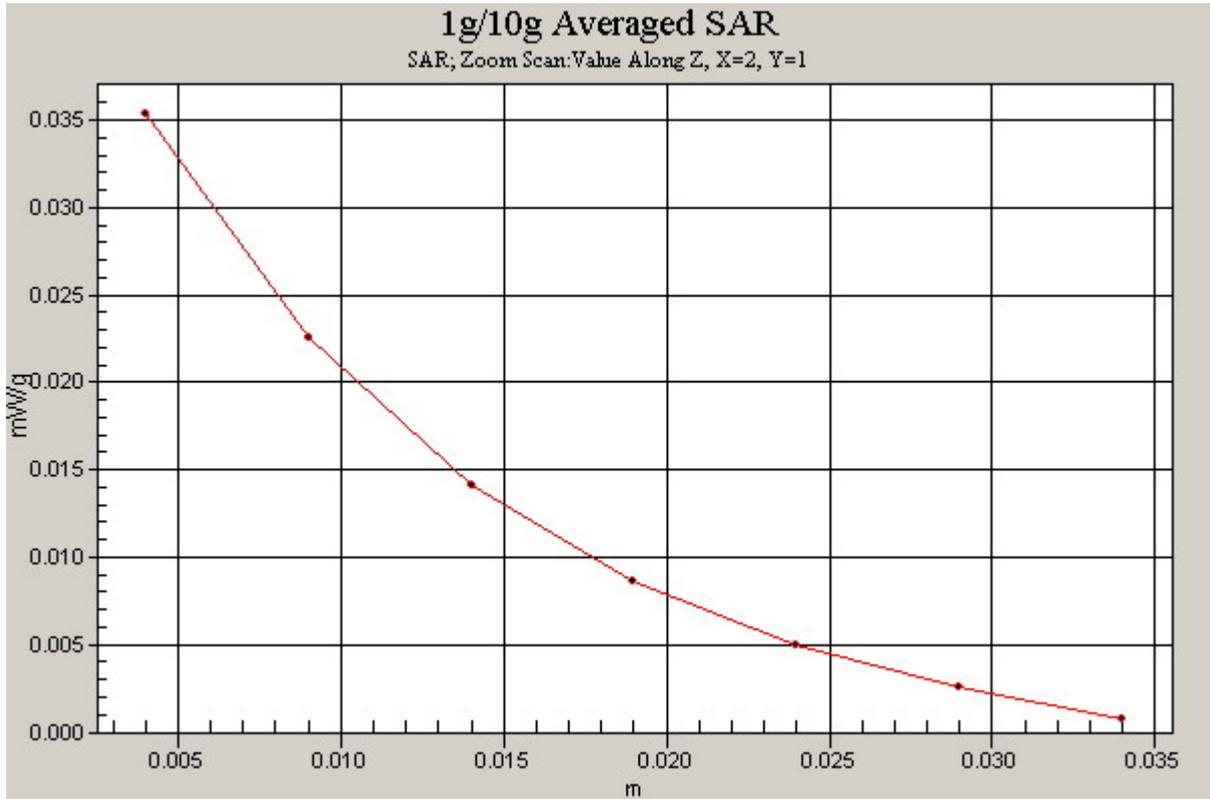


Fig. 54 Z-Scan at power reference point (PCS 1900MHz CH810)

**PCS 1900 Left Tilt Middle**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: Head 1900MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 40$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Probe: ET3DV6 - SN1737; ConvF(5.15, 5.15, 5.15);

- Electronics: DAE3 Sn452;

**Tilt Middle/Area Scan (51x141x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.041 mW/g

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

Reference Value = 3.14 V/m; Power Drift = 0.141 dB

Peak SAR (extrapolated) = 0.057 W/kg

**SAR(1 g) = 0.038 mW/g; SAR(10 g) = 0.024 mW/g**

Maximum value of SAR (measured) = 0.040 mW/g

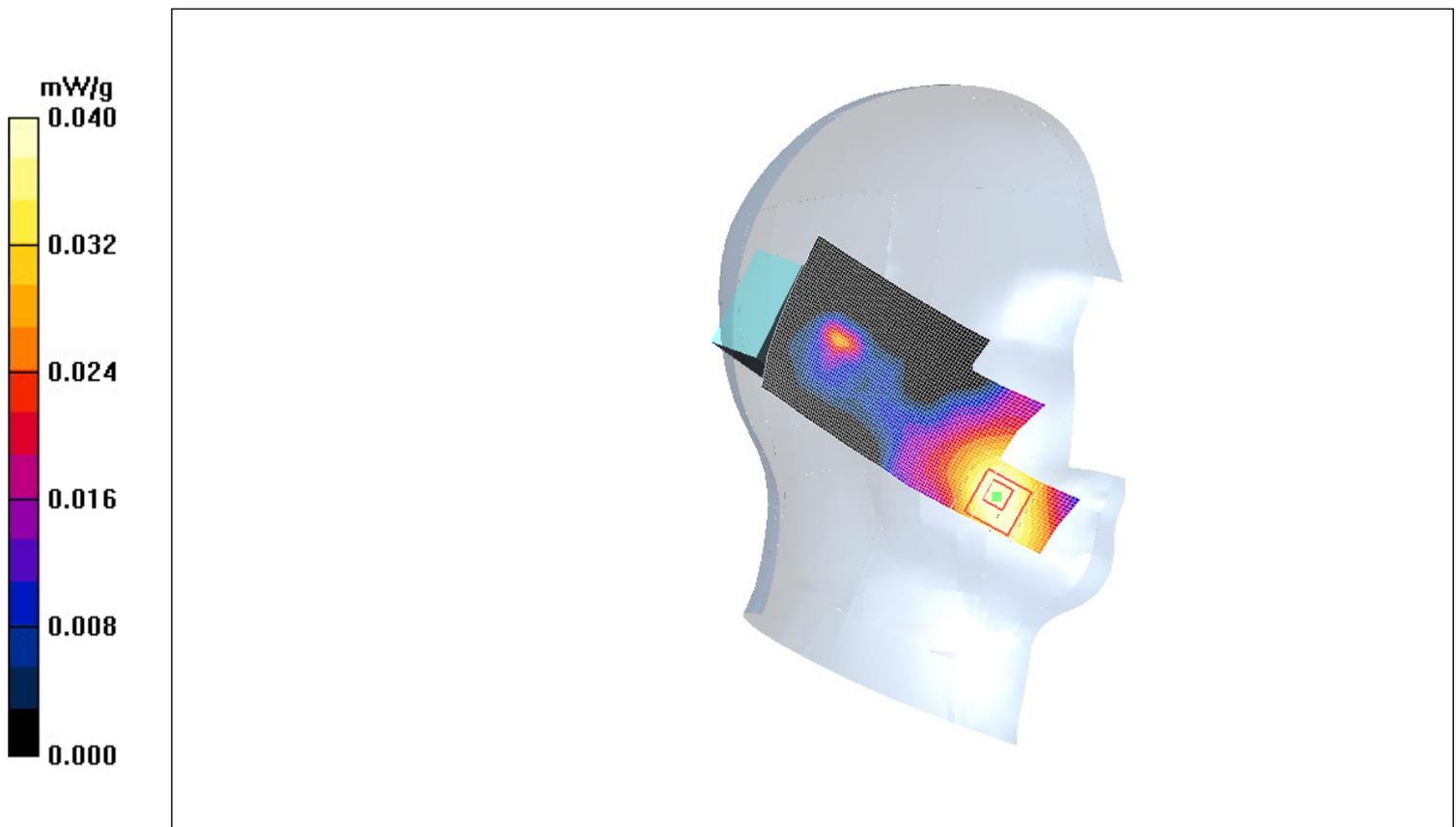


Fig.55 Left Hand Tilt 15°PCS 1900MHz CH661



Fig. 56 Z-Scan at power reference point (PCS 1900MHz CH661)