

GSM 850 GPRS with BenQ R55V Middle Test Position 3 (2 timeslots in uplink)

Communication System: GSM850 + GPRS(2Up); Frequency: 836.6 MHz; Duty Cycle: 1:4

Medium: Body 850MHz

Medium parameters used: $f = 837$ MHz; $\sigma = 0.993$ mho/m; $\epsilon_r = 56.2$; $\rho = 1000$ kg/m³

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

- Electronics: DAE3 Sn452;

Test Position 3 Middle/Area Scan (51x51x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.281 mW/g

Test Position 3 Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.3 V/m; Power Drift = -0.119 dB

Peak SAR (extrapolated) = 2.19 W/kg

SAR(1 g) = 0.397 mW/g; SAR(10 g) = 0.124 mW/g

Maximum value of SAR (measured) = 0.390 mW/g

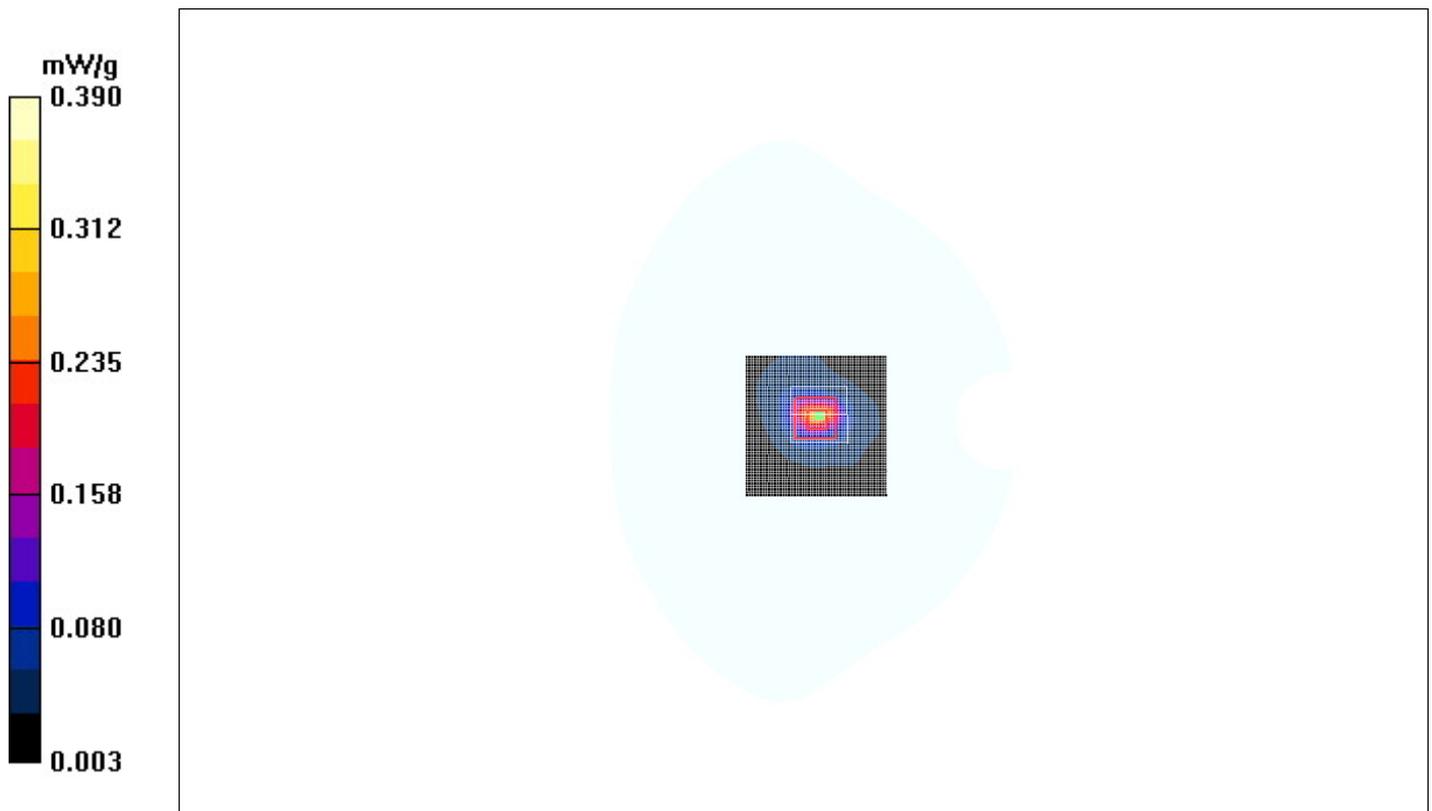


Figure 29 GSM 850 GPRS with BenQ R55V Test Position 3 CH190 (2 timeslots in uplink)

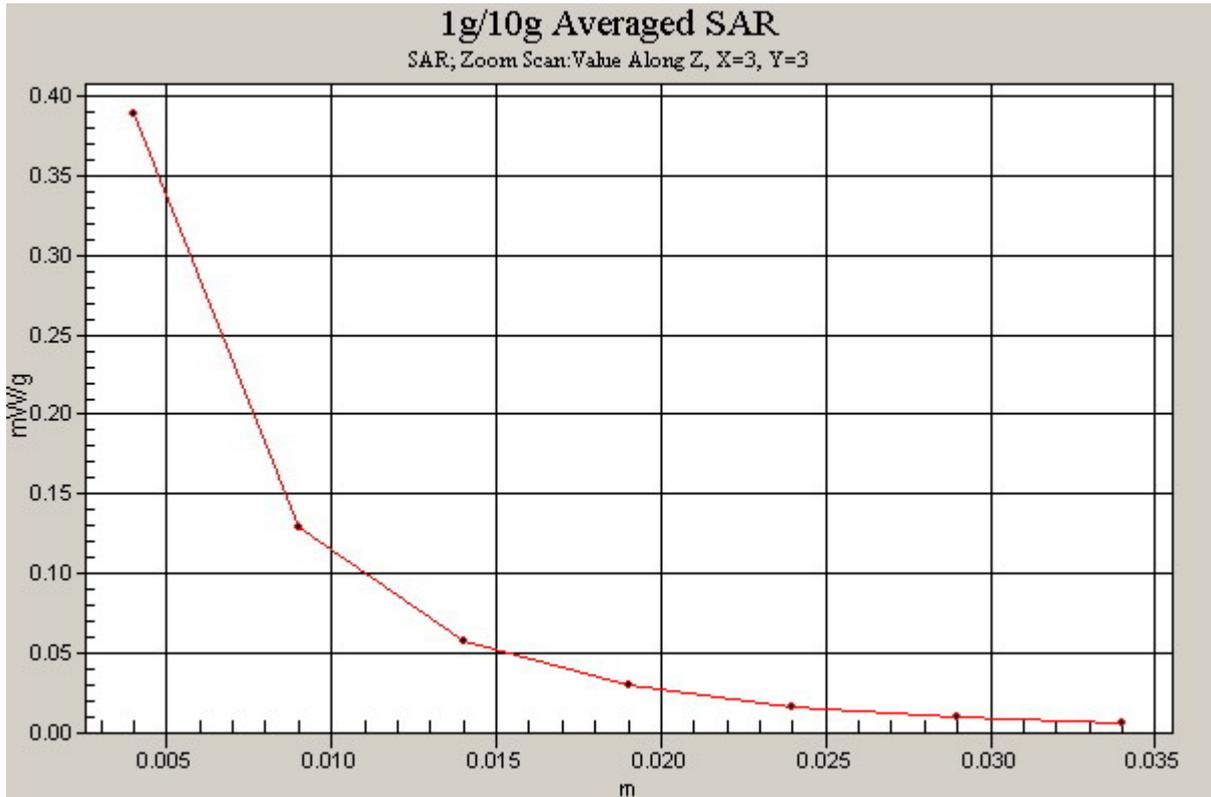


Figure 30 Z-Scan at power reference point [GSM 850 GPRS with BenQ R55V Test Position 3
CH190 (2 timeslots in uplink)]

GSM 850 GPRS with BenQ R55V Middle Test Position 4 (2 timeslots in uplink)

Communication System: GSM850 + GPRS(2Up); Frequency: 836.6 MHz; Duty Cycle: 1:4

Medium: Body 850MHz

Medium parameters used: $f = 837$ MHz; $\sigma = 0.993$ mho/m; $\epsilon_r = 56.2$; $\rho = 1000$ kg/m³

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

- Electronics: DAE3 Sn452;

Test Position 4 Middle/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.350 mW/g

Test Position 4 Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.0 V/m; Power Drift = 0.029 dB

Peak SAR (extrapolated) = 0.635 W/kg

SAR(1 g) = 0.379 mW/g; SAR(10 g) = 0.236 mW/g

Maximum value of SAR (measured) = 0.424 mW/g

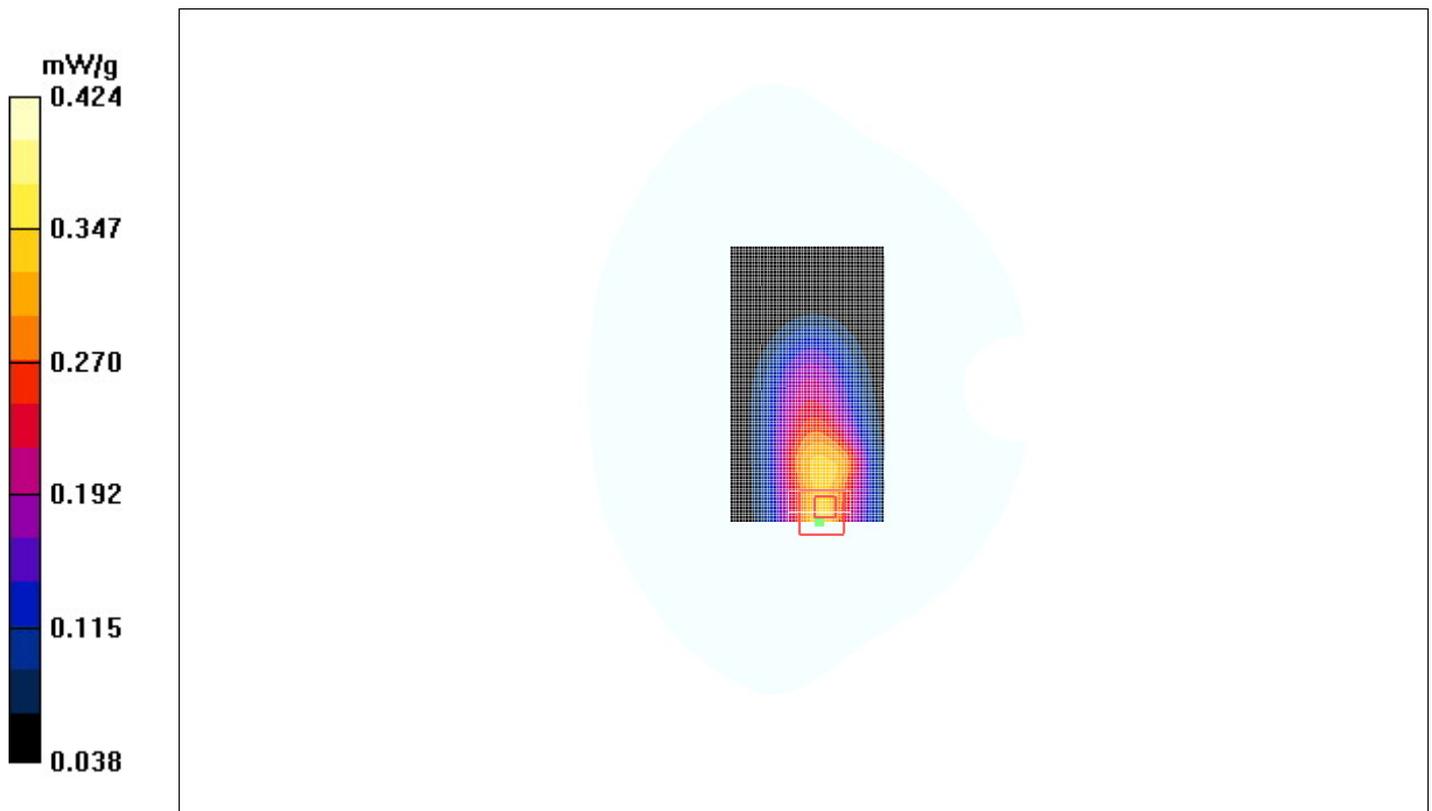


Figure 31 GSM 850 GPRS with BenQ R55V Test Position 4 CH190 (2 timeslots in uplink)

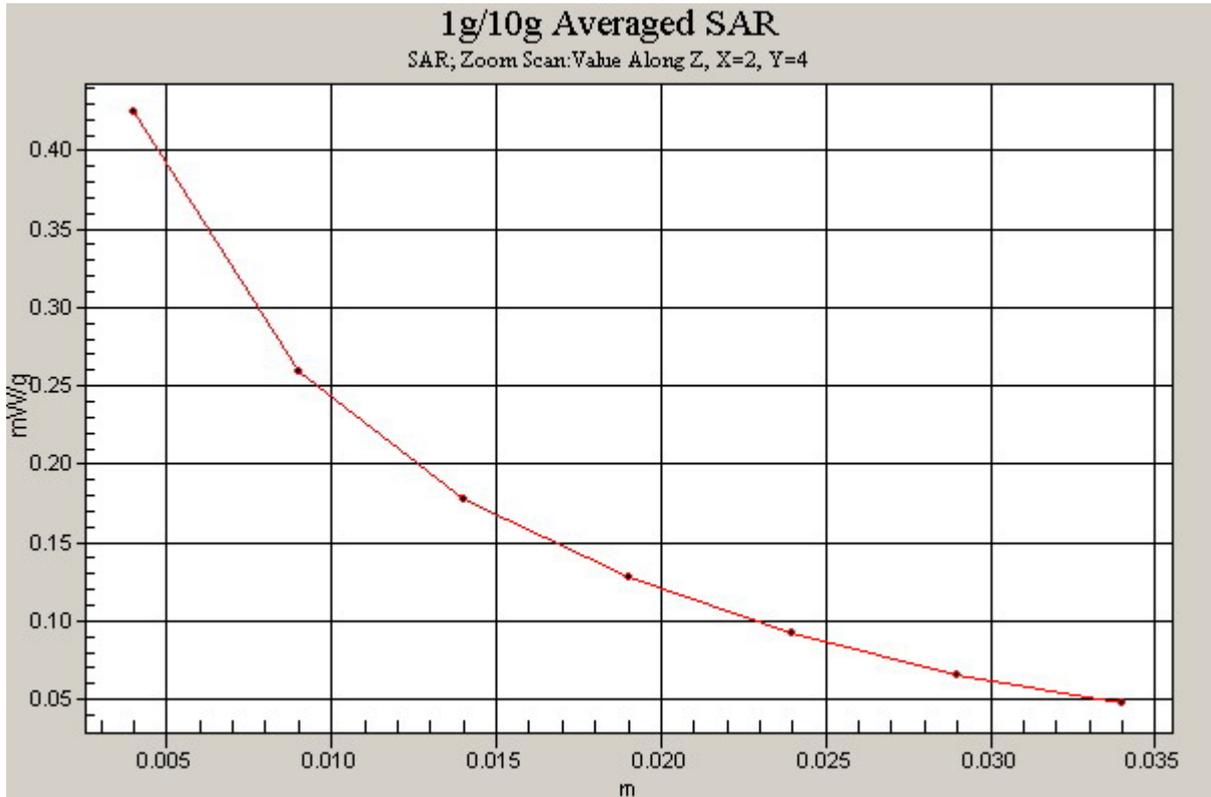


Figure 32 Z-Scan at power reference point [GSM 850 GPRS with BenQ R55V Test Position 4 CH190 (2 timeslots in uplink)]

GSM 850 GPRS with BenQ R55V Middle Test Position 5 (2 timeslots in uplink)

Communication System: GSM850 + GPRS(2Up); Frequency: 836.6 MHz; Duty Cycle: 1:4

Medium: Body 8505MHz

Medium parameters used: $f = 837$ MHz; $\sigma = 0.993$ mho/m; $\epsilon_r = 56.2$; $\rho = 1000$ kg/m³

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

- Electronics: DAE3 Sn452;

Test Position 5 Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.226 mW/g

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

Reference Value = 11.0 V/m; Power Drift = 0.058 dB

Peak SAR (extrapolated) = 0.478 W/kg

SAR(1 g) = 0.215 mW/g; SAR(10 g) = 0.149 mW/g

Maximum value of SAR (measured) = 0.233 mW/g

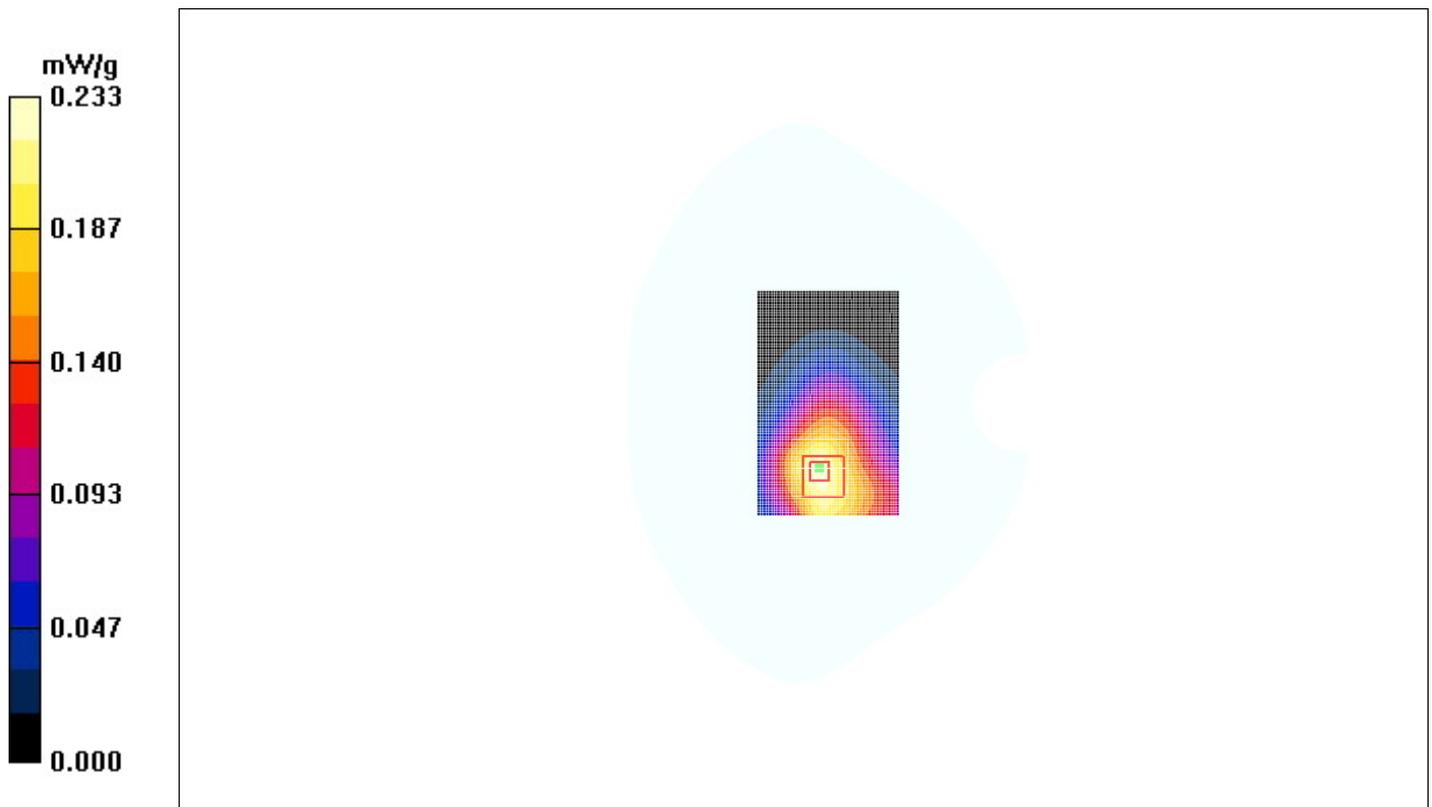


Figure 33 GSM 850 GPRS with BenQ R55V Test Position 5 CH190 (2 timeslots in uplink)

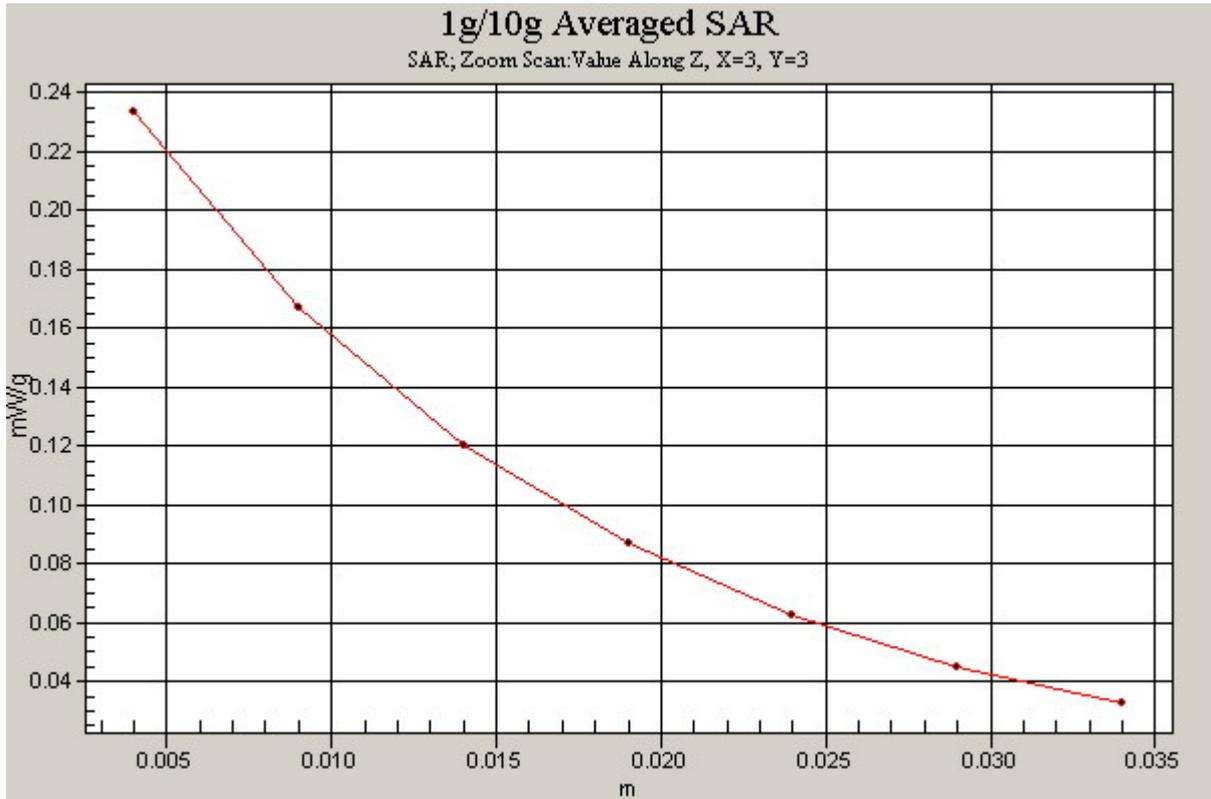


Figure 34 Z-Scan at power reference point [GSM 850 GPRS with BenQ R55V Test Position 5 CH190 (2 timeslots in uplink)]

GSM 850 GPRS with BenQ R55V Middle Test Position 6 (2 timeslots in uplink)

Communication System: GSM850 + GPRS(2Up); Frequency: 836.6 MHz; Duty Cycle: 1:4

Medium: Body 850MHz

Medium parameters used: $f = 837$ MHz; $\sigma = 0.993$ mho/m; $\epsilon_r = 56.2$; $\rho = 1000$ kg/m³

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

- Electronics: DAE3 Sn452;

Test Position 6 Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.517 mW/g

Test Position 6 Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.4 V/m; Power Drift = -0.154 dB

Peak SAR (extrapolated) = 0.642 W/kg

SAR(1 g) = 0.479 mW/g; SAR(10 g) = 0.334 mW/g

Maximum value of SAR (measured) = 0.517 mW/g

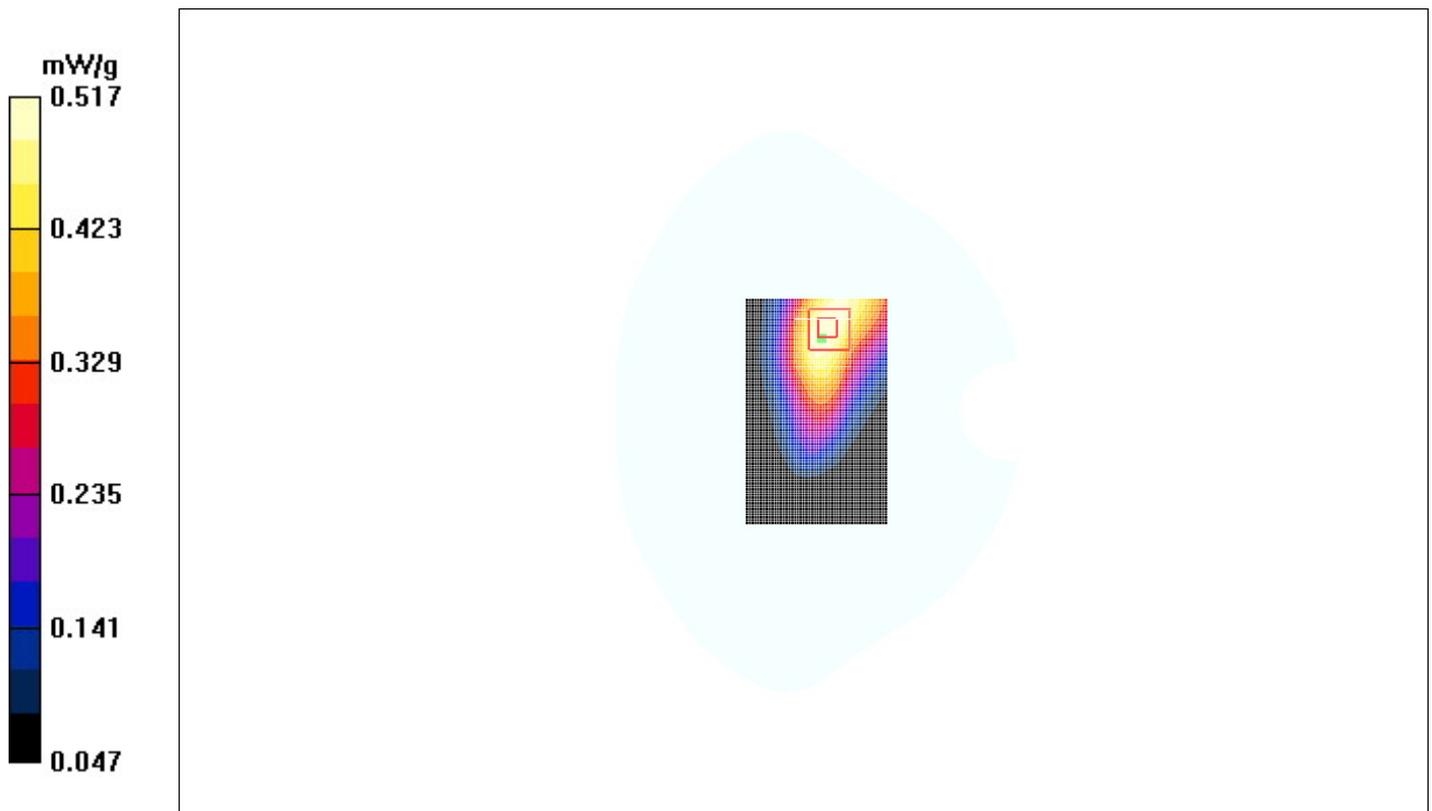


Figure35 GSM 850 GPRS with BenQ R55V Test Position 6 CH190 (2 timeslots in uplink)

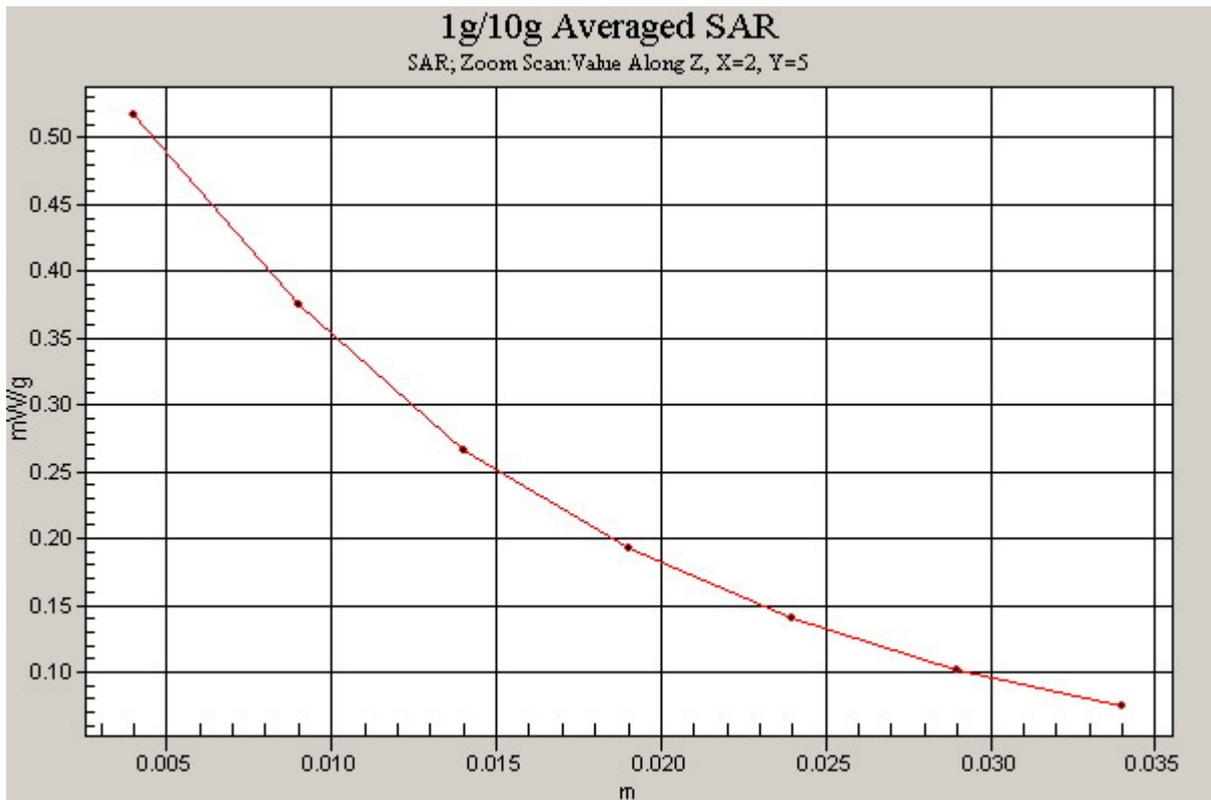


Figure 36 Z-Scan at power reference point [GSM 850 GPRS with BenQ R55V Test Position 6 CH190 (2 timeslots in uplink)]

GSM 1900 GPRS with BenQ Joy book S72 Middle Test Position1 (2 timeslots in uplink)

Communication System: GSM 1900+GPRS (2Up); Frequency: 1880 MHz; Duty Cycle: 1:4

Medium: Body 1900MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 52.9$; $\rho = 1000$ kg/m³

- Probe: ET3DV6 - SN1737; ConvF(4.64, 4.64, 4.64);

- Electronics: DAE3 Sn452;

Test position 1 Middle/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

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

Test position 1 Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.1 V/m; Power Drift = -0.173 dB

Peak SAR (extrapolated) = 0.886 W/kg

SAR(1 g) = 0.572 mW/g; SAR(10 g) = 0.334 mW/g

Maximum value of SAR (measured) = 0.624 mW/g

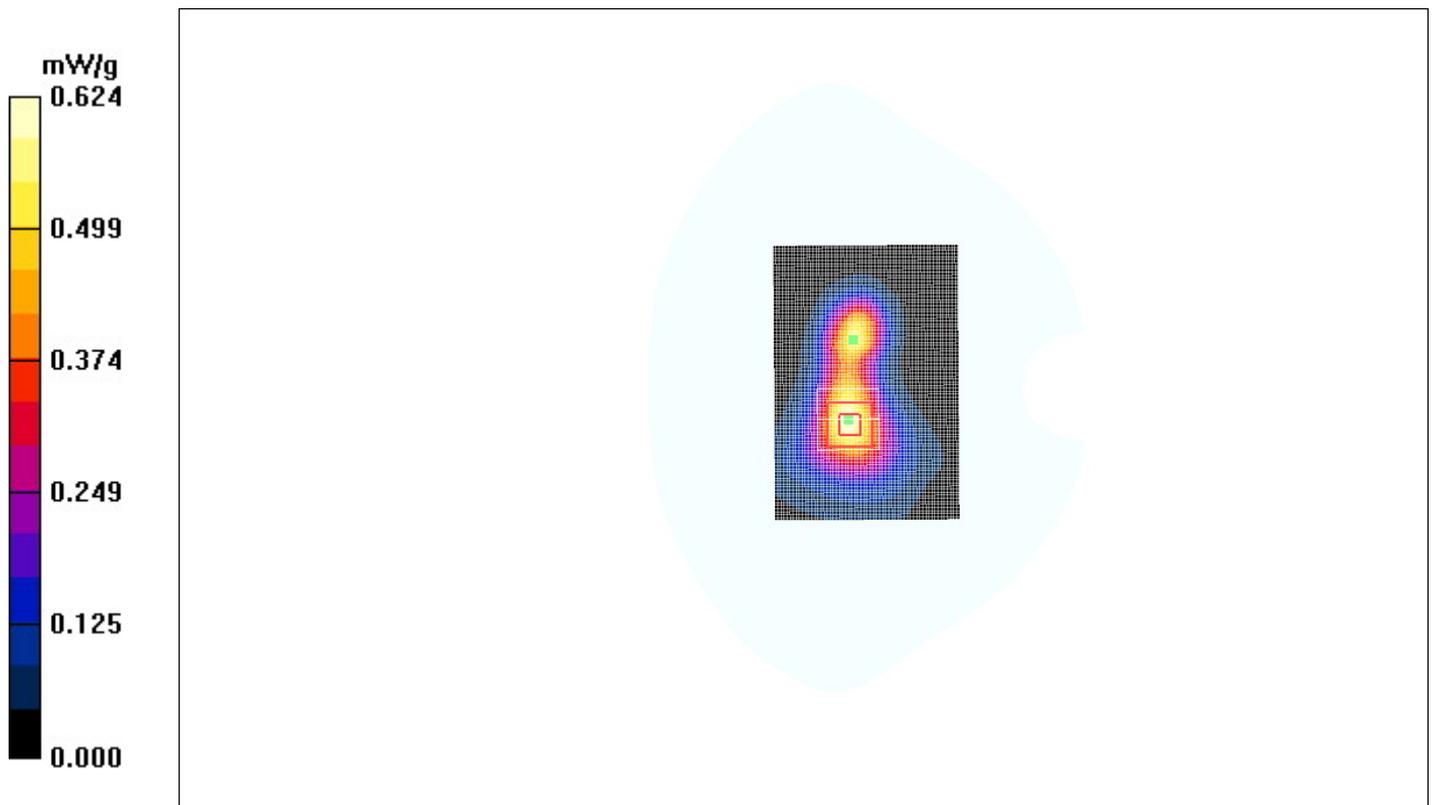


Figure 37 GSM 1900 GPRS with BenQ Joy book S72 Test Position 1 CH661 (2 timeslots in uplink)

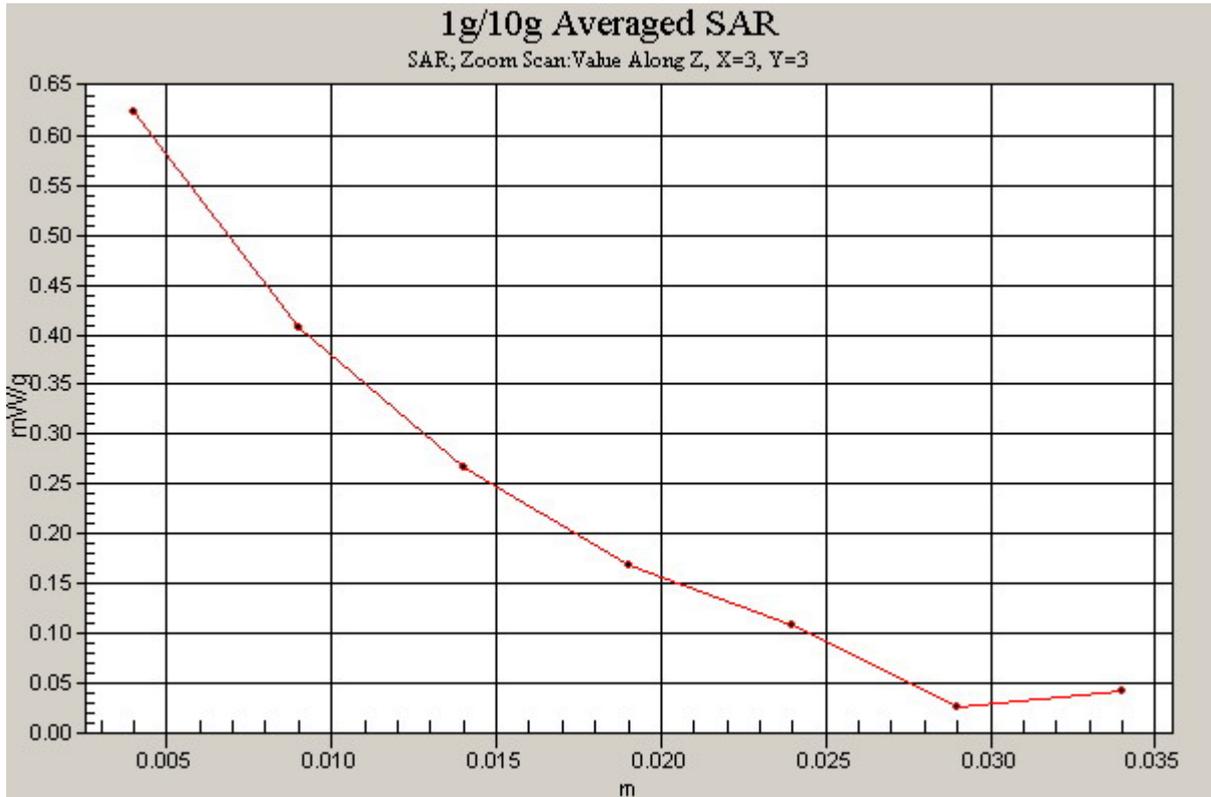


Figure 38 Z-Scan at power reference point [GSM 1900 GPRS with BenQ Joy book S72 Test Position1 CH661 (2 timeslots in uplink)]

GSM 1900 GPRS with IBM X41 Middle Test Position 1 (2 timeslots in uplink)

Communication System: GSM 1900+GPRS (2Up); Frequency: 1880 MHz; Duty Cycle: 1:4

Medium: Body 1900MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 52.9$; $\rho = 1000$ kg/m³

- Probe: ET3DV6 - SN1737; ConvF(4.64, 4.64, 4.64);

- Electronics: DAE3 Sn452;

Test position 1 Middle/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.870 mW/g

Test position 1 Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.9 V/m; Power Drift = -0.149 dB

Peak SAR (extrapolated) = 2.74 W/kg

SAR(1 g) = 0.789 mW/g; SAR(10 g) = 0.419 mW/g

Maximum value of SAR (measured) = 0.823 mW/g

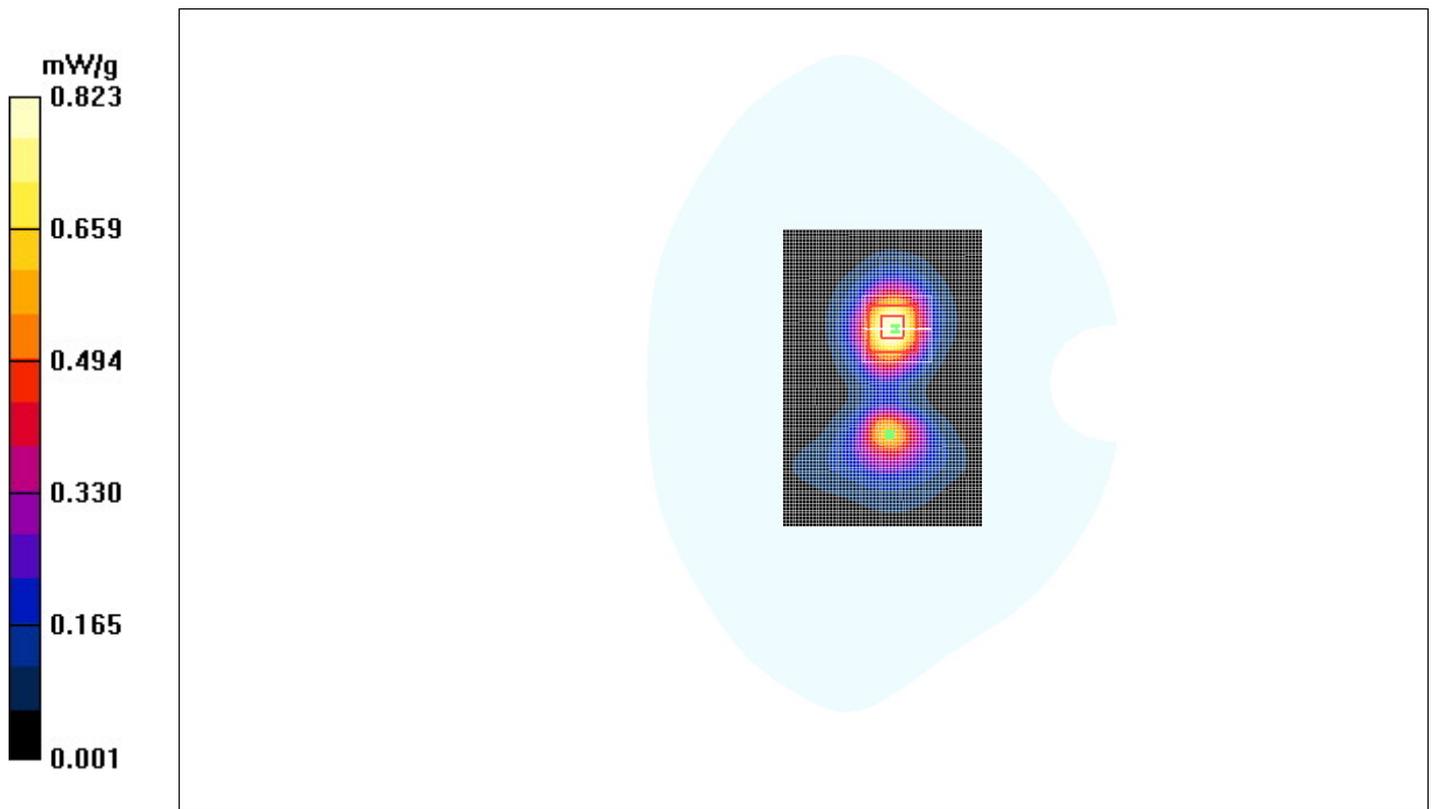


Figure 39 GSM 1900 GPRS with IBM X41 Test Position 1 CH661 (2 timeslots in uplink)

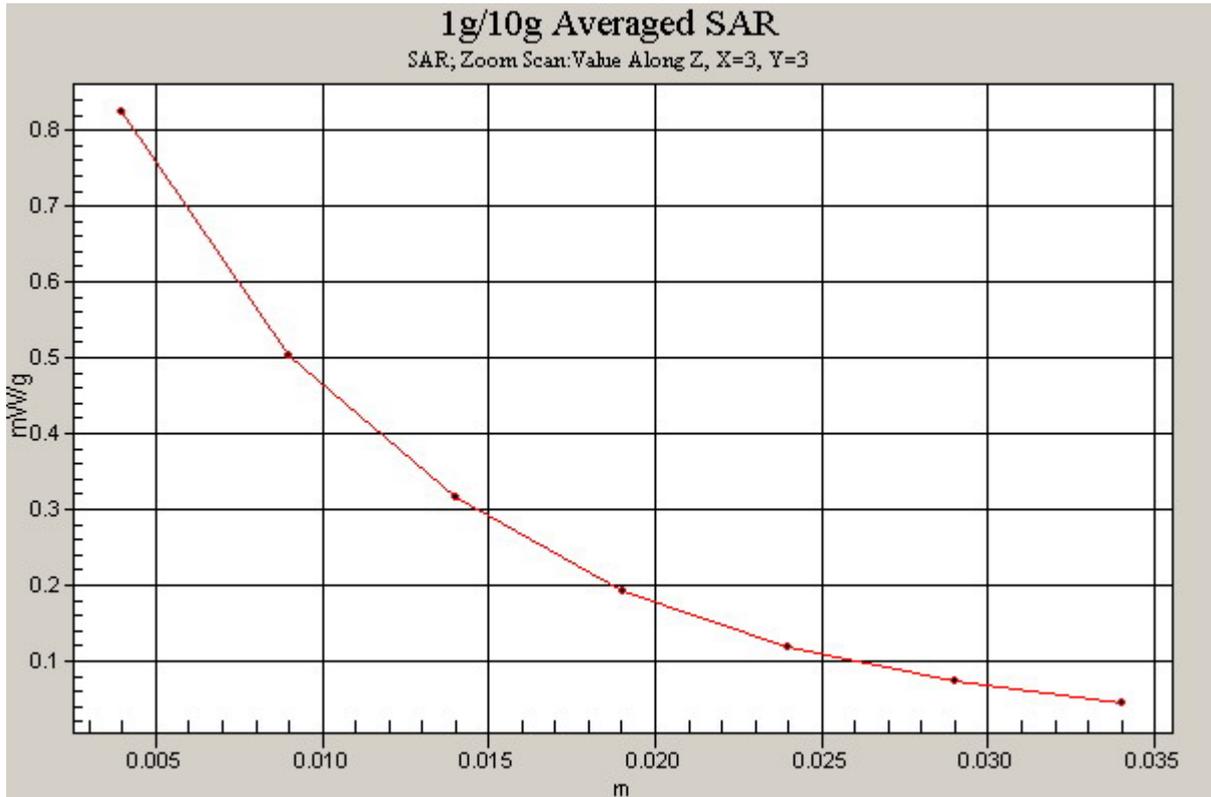


Figure 40 Z-Scan at power reference point [GSM 1900 GPRS with IBM X41 Test Position 1 CH661 (2 timeslots in uplink)]

GSM 1900 GPRS With IBM X41 Middle Test position 1 (1 timeslot in uplink)

Communication System: GSM 1900+GPRS (1Up); Frequency: 1880 MHz; Duty Cycle: 1:8

Medium: Body 1900MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 52.9$; $\rho = 1000$ kg/m³

- Probe: ET3DV6 - SN1737; ConvF(4.64, 4.64, 4.64);

- Electronics: DAE3 Sn452;

Test position 1 Middle/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

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

Test position 1 Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.1 V/m; Power Drift = 0.012 dB

Peak SAR (extrapolated) = 0.921 W/kg

SAR(1 g) = 0.550 mW/g; SAR(10 g) = 0.306 mW/g

Maximum value of SAR (measured) = 0.601 mW/g

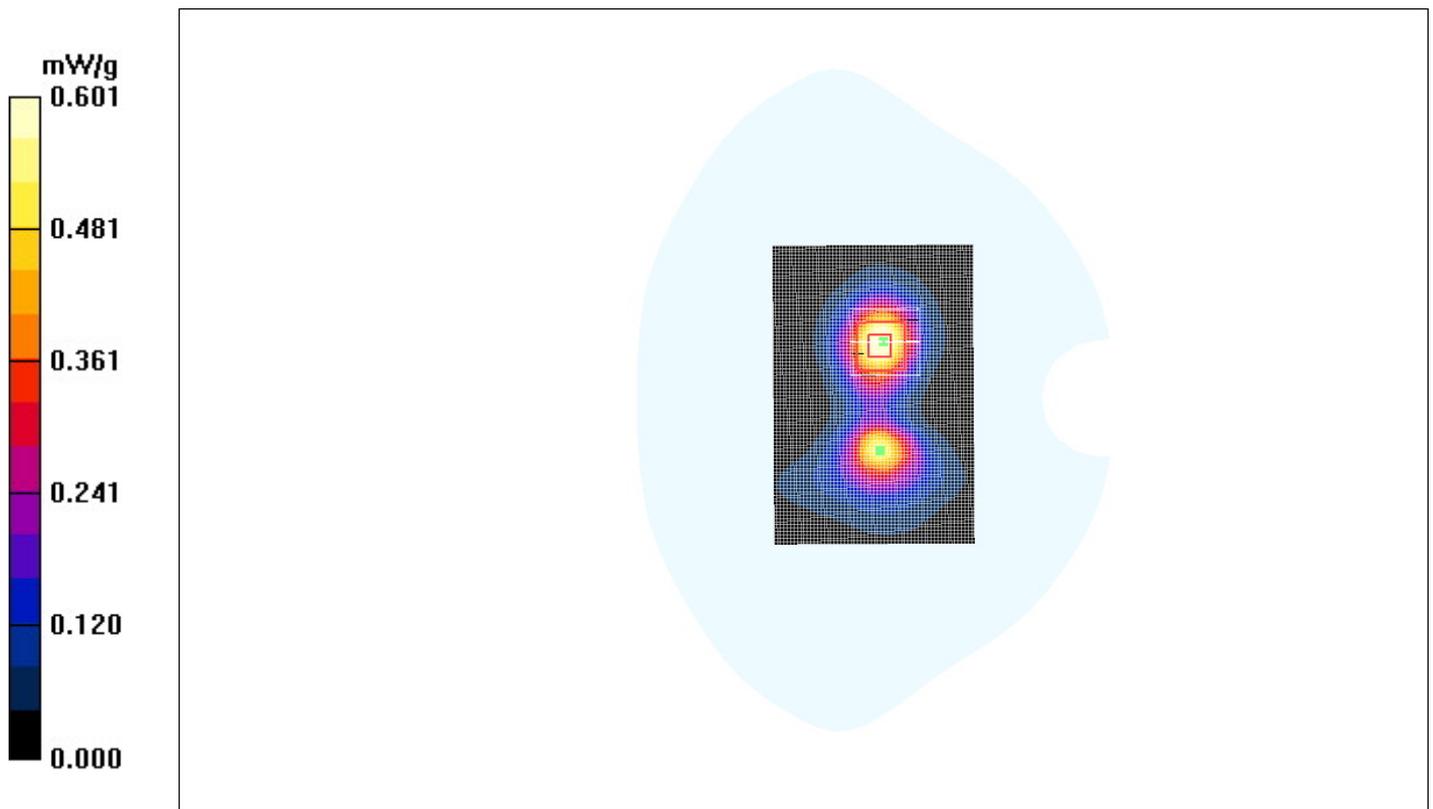


Figure 41 GSM 1900 GPRS with IBM X41 Test Position1 CH661 (1 timeslot in uplink)

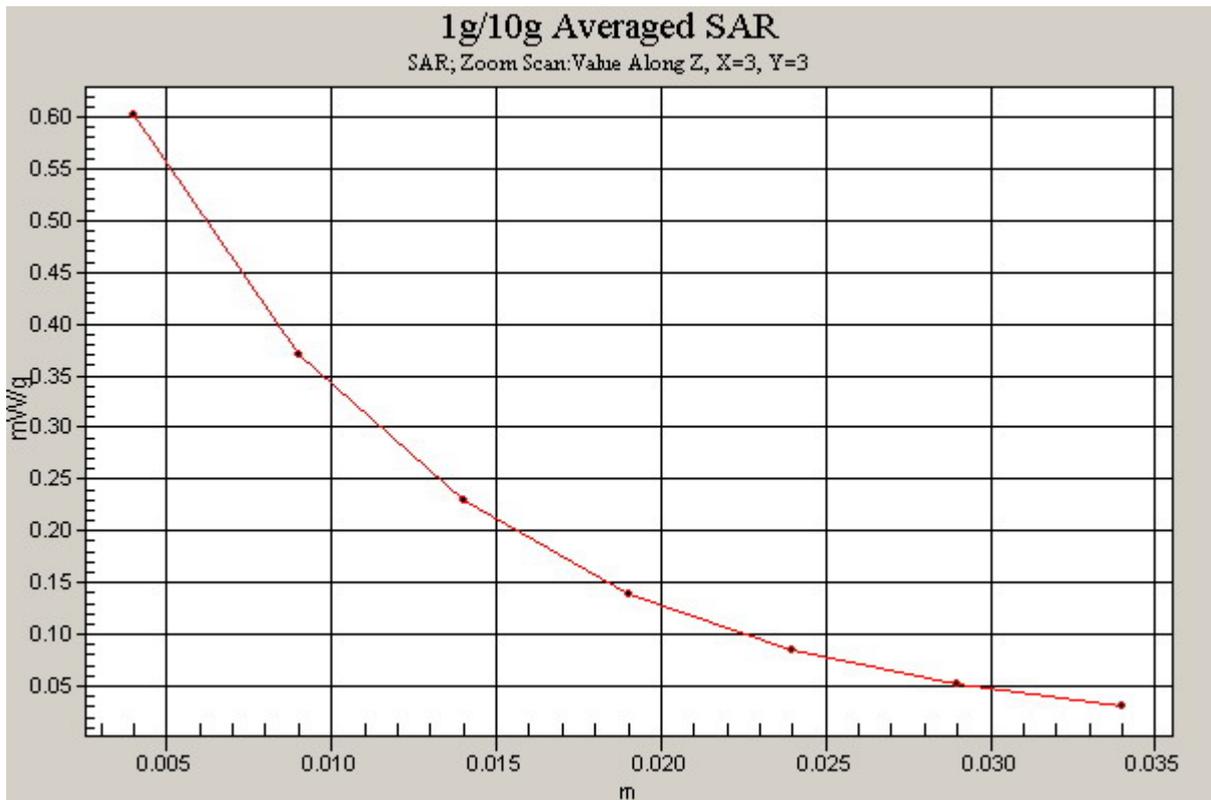


Figure 42 Z-Scan at power reference point [GSM 1900 GPRS with IBM X41 Test Position 1 CH661 (1 timeslot in uplink)]

GSM 1900 GPRS With IBM X41 Middle Test position 2 (2 timeslots in uplink)

Communication System: GSM 1900+GPRS (2Up); Frequency: 1880 MHz; Duty Cycle: 1:4

Medium: Body 1900MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 52.9$; $\rho = 1000$ kg/m³

- Probe: ET3DV6 - SN1737; ConvF(4.64, 4.64, 4.64);

- Electronics: DAE3 Sn452;

Test position 2 Middle/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

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

Test position 2 Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.8 V/m; Power Drift = -0.175 dB

Peak SAR (extrapolated) = 0.530 W/kg

SAR(1 g) = 0.323 mW/g; SAR(10 g) = 0.182 mW/g

Maximum value of SAR (measured) = 0.357 mW/g

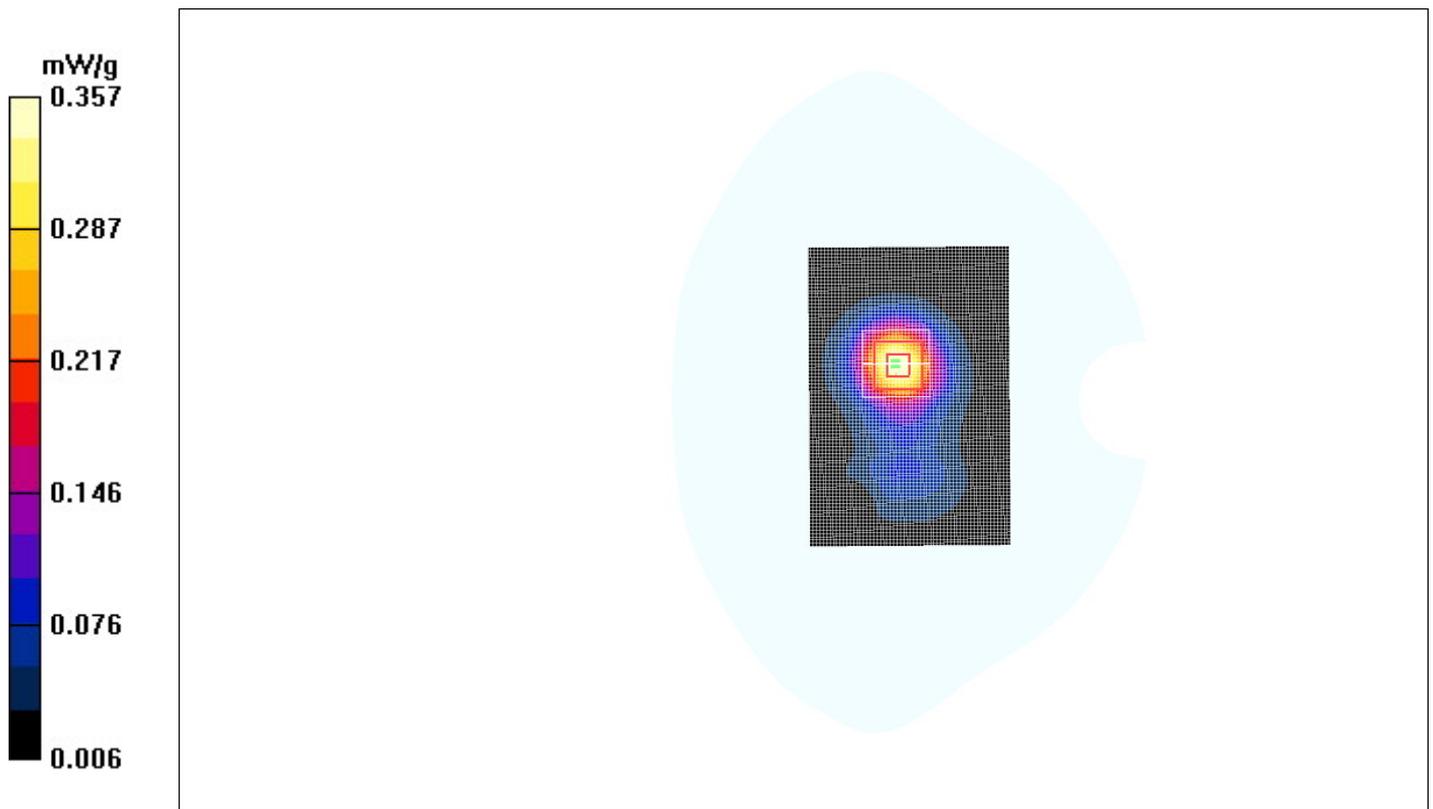


Figure 43 GSM 1900 GPRS with IBM X41 Test Position 2 CH661 (2 timeslots in uplink)

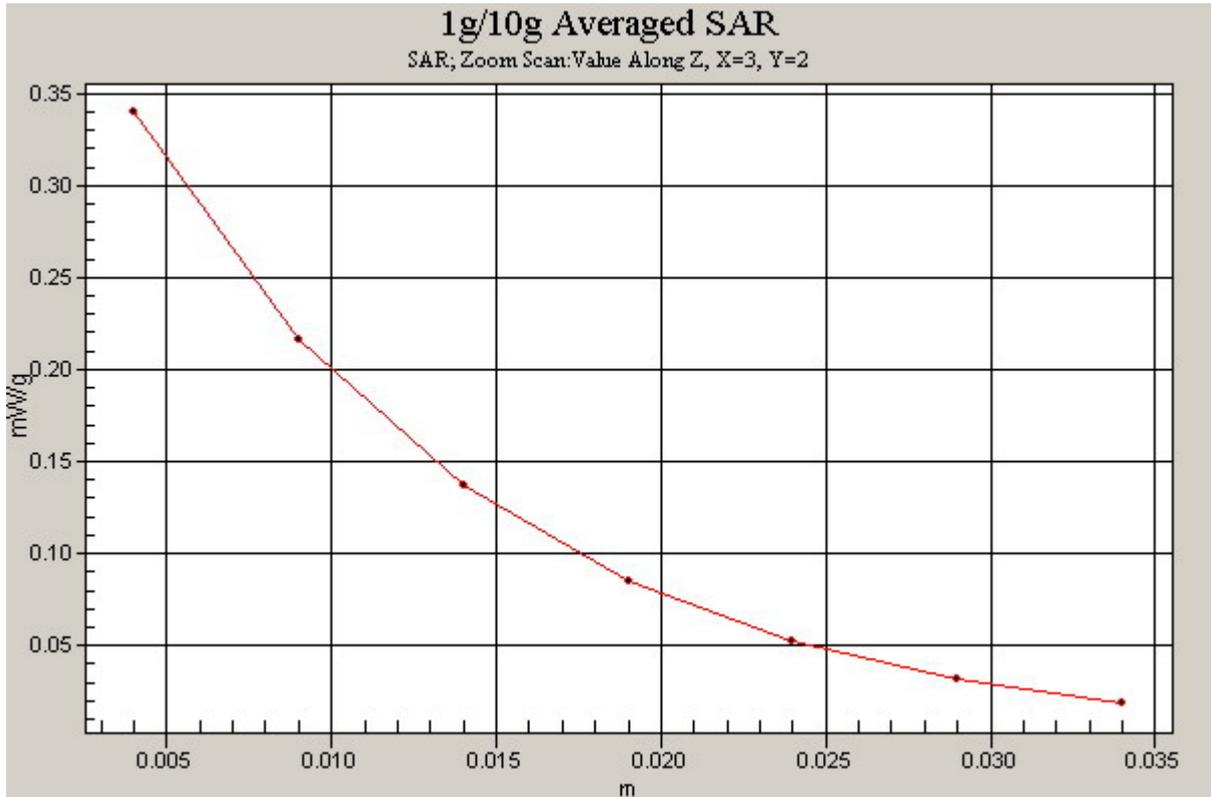


Figure 44 Z-Scan at power reference point [GSM 1900 GPRS with IBM X41 Test Position 2
CH661 (2 timeslots in uplink)]

GSM 1900 GPRS With IBM X41 Middle Test position 3 (2 timeslots in uplink)

Communication System: GSM 1900+GPRS (2Up); Frequency: 1880 MHz; Duty Cycle: 1:4

Medium: Body 1900MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 52.9$; $\rho = 1000$ kg/m³

- Probe: ET3DV6 - SN1737; ConvF(4.64, 4.64, 4.64);

- Electronics: DAE3 Sn452;

Test position 3 Middle/Area Scan (51x51x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.923 mW/g

Test position 3 Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 28.4 V/m; Power Drift = -0.190 dB

Peak SAR (extrapolated) = 2.54 W/kg

SAR(1 g) = 0.904 mW/g; SAR(10 g) = 0.385 mW/g

Maximum value of SAR (measured) = 1.02 mW/g

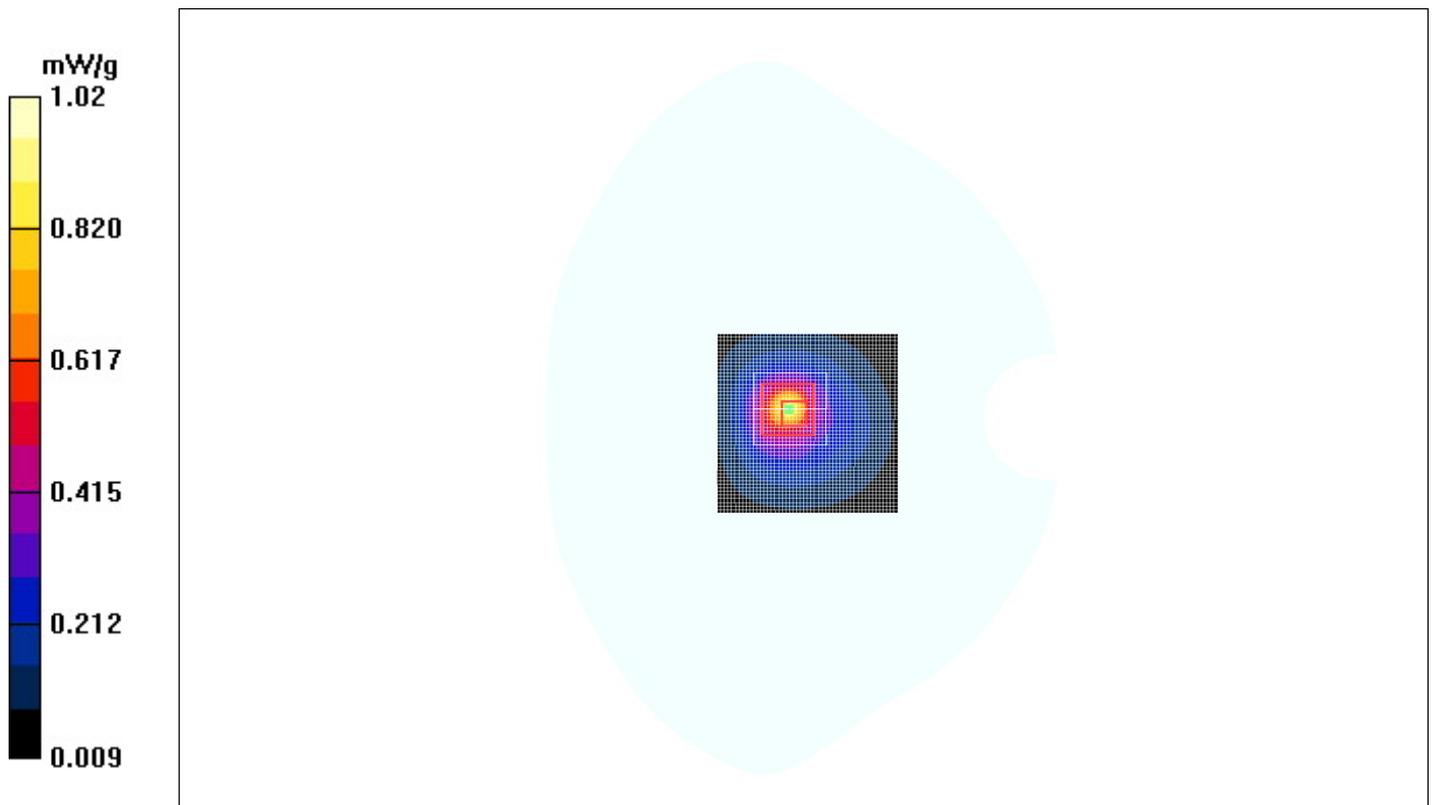


Figure 45 GSM 1900 GPRS with IBM X41 Test Position 3 CH661 (2 timeslots in uplink)

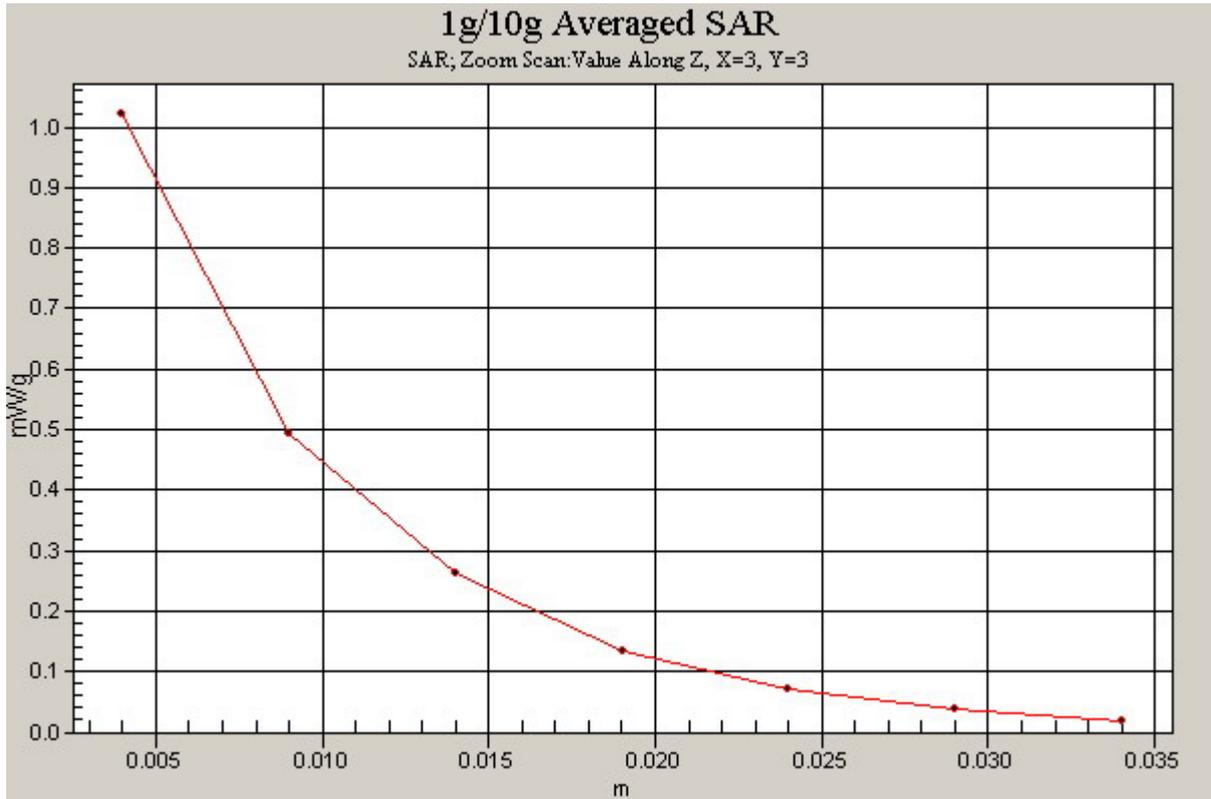


Figure 46 Z-Scan at power reference point [GSM 1900 GPRS with IBM X41 Test Position 3
CH661 (2 timeslots in uplink)]

GSM 1900 EGPRS With IBM X41 Middle Test position 3 (4 timeslots in uplink)

Communication System: GSM 1900+EGPRS (4Up); Frequency: 1880 MHz; Duty Cycle: 1:2

Medium: Body 1900MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 52.9$; $\rho = 1000$ kg/m³

- Probe: ET3DV6 - SN1737; ConvF(4.64, 4.64, 4.64);

- Electronics: DAE3 Sn452;

Test position 3 Middle/Area Scan (51x51x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.262 mW/g

Test position 3 Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.1 V/m; Power Drift = -0.192 dB

Peak SAR (extrapolated) = 0.315 W/kg

SAR(1 g) = 0.159 mW/g; SAR(10 g) = 0.076 mW/g

Maximum value of SAR (measured) = 0.306 mW/g

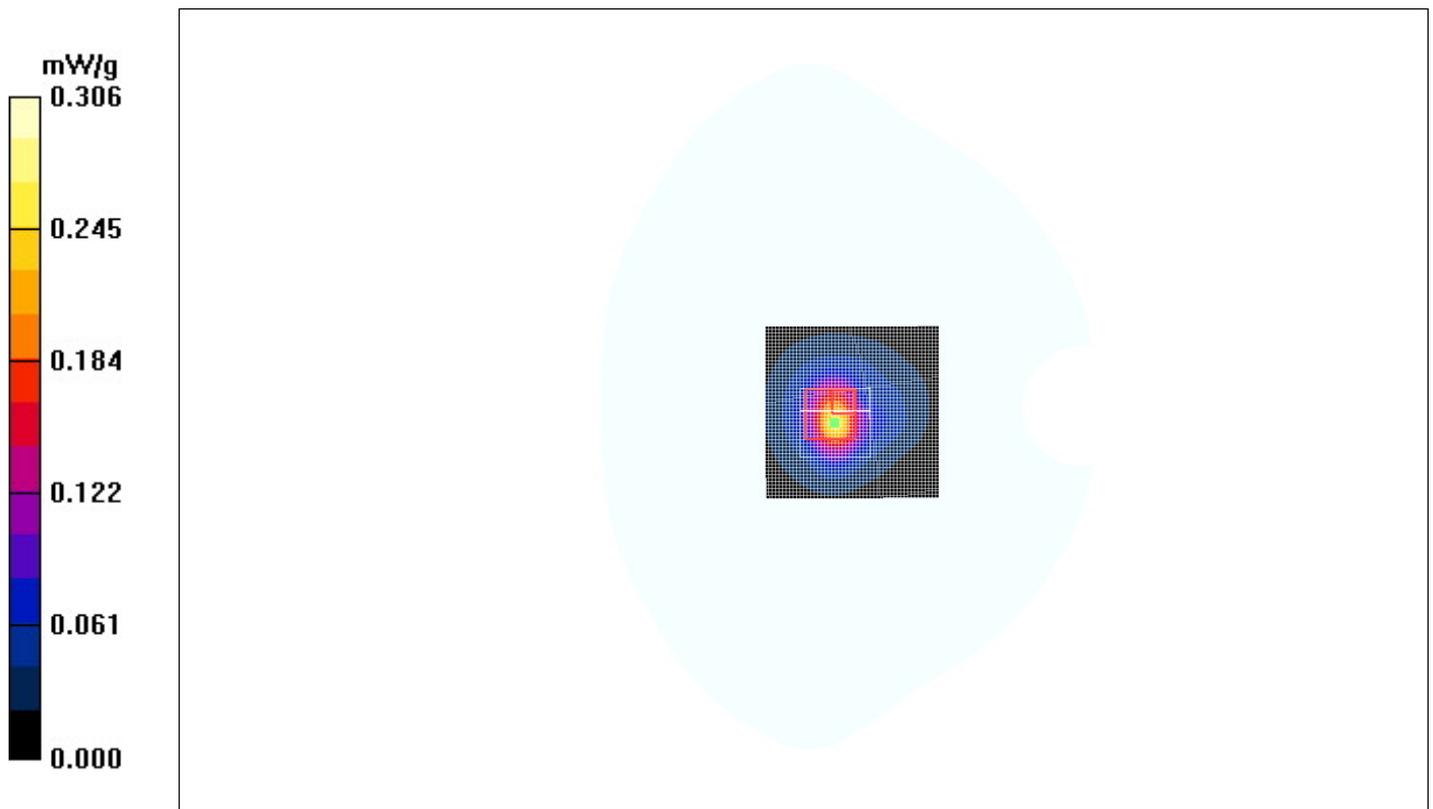


Figure 47 GSM 1900 EGPRS with IBM X41 Test Position 3 CH661 (4 timeslots in uplink)

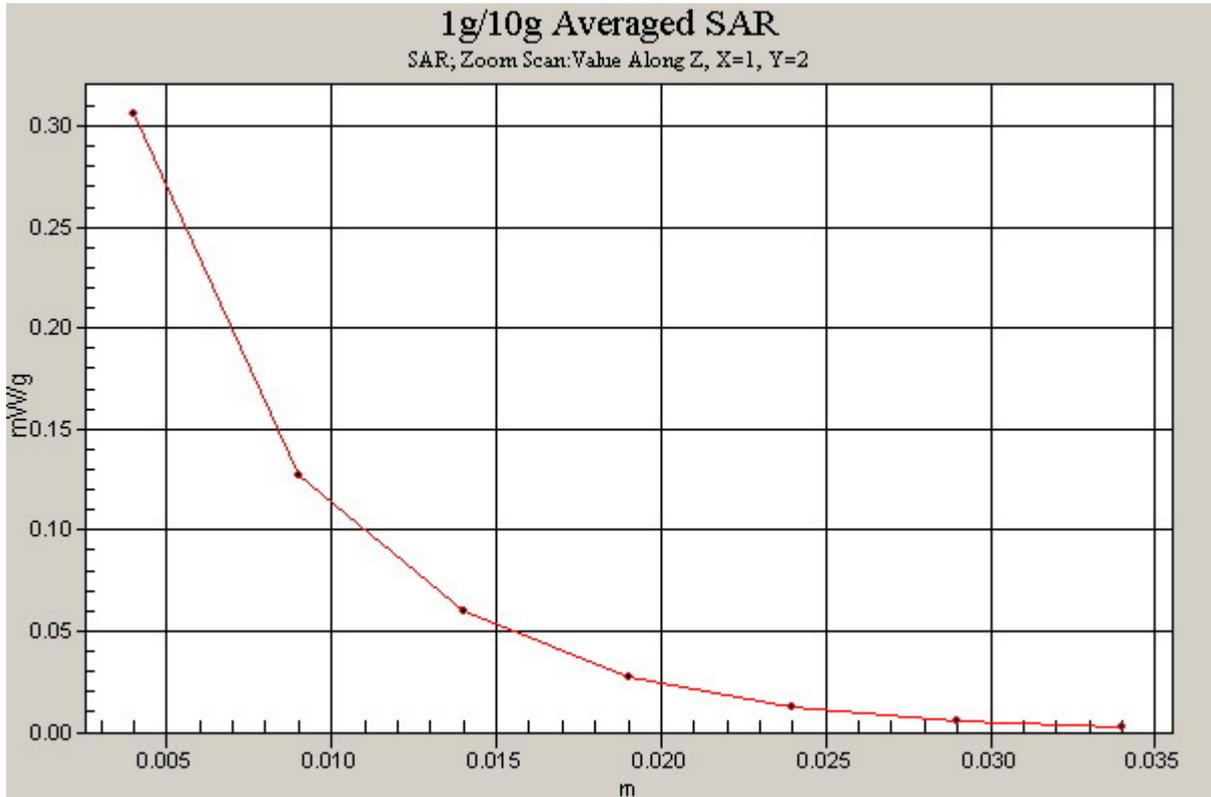


Figure 48 Z-Scan at power reference point [GSM 1900 EGPRS with IBM X41 Test Position 3 CH661 (4 timeslots in uplink)]

GSM 1900 EGPRS With IBM X41 Middle Test position 3 (3 timeslots in uplink)

Communication System: GSM 1900+EGPRS (3Up); Frequency: 1880 MHz; Duty Cycle: 1:2.67

Medium: Body 1900MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 52.9$; $\rho = 1000$ kg/m³

- Probe: ET3DV6 - SN1737; ConvF(4.64, 4.64, 4.64);

- Electronics: DAE3 Sn452;

Test position 3 Middle/Area Scan (51x51x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.334 mW/g

Test position 3 Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.5 V/m; Power Drift = -0.053 dB

Peak SAR (extrapolated) = 0.567 W/kg

SAR(1 g) = 0.269 mW/g; SAR(10 g) = 0.125 mW/g

Maximum value of SAR (measured) = 0.342 mW/g

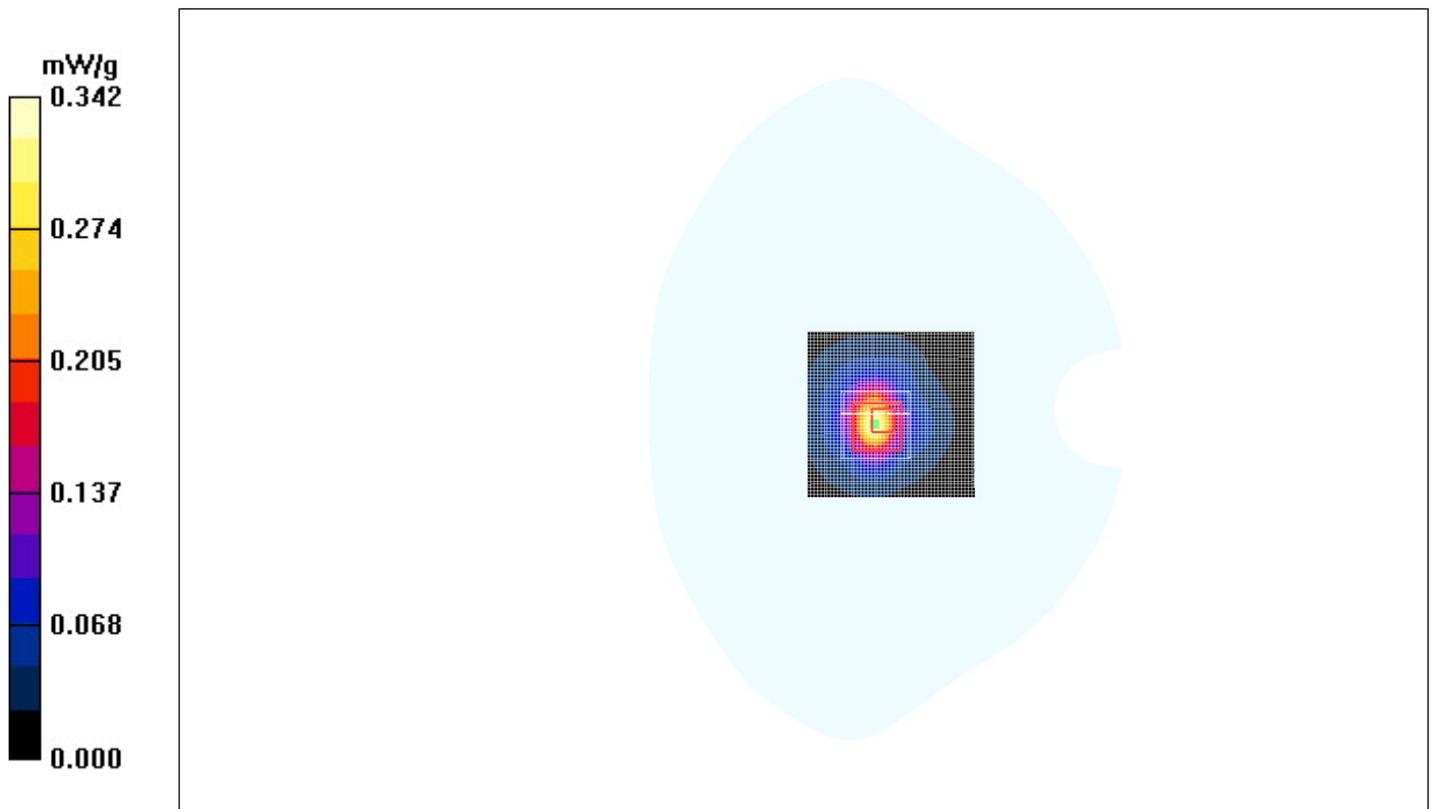


Figure 49 GSM 1900 EGPRS with IBM X41 Test Position 3 CH661 (3 timeslots in uplink)

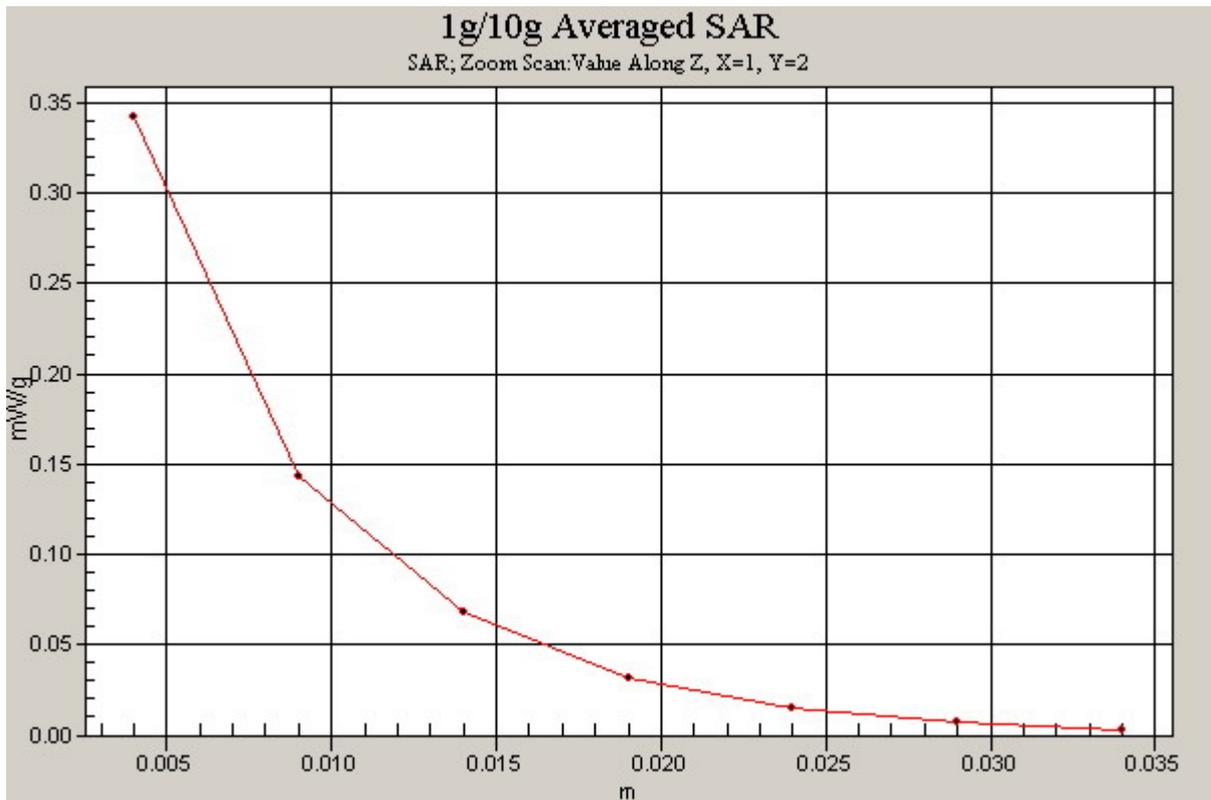


Figure 50 Z-Scan at power reference point [GSM 1900 EGPRS with IBM X41 Test Position 3 CH661 (3 timeslots in uplink)]

GSM 1900 EGPRS with IBM X41 Middle Test position 3 (2 timeslots in uplink)

Communication System: GSM 1900+EGPRS (2Up); Frequency: 1880 MHz; Duty Cycle: 1:4

Medium: Body 1900MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 52.9$; $\rho = 1000$ kg/m³

- Probe: ET3DV6 - SN1737; ConvF(4.64, 4.64, 4.64);

- Electronics: DAE3 Sn452;

Test position 3 Middle/Area Scan (51x51x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.359 mW/g

Test position 3 Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.0 V/m; Power Drift = -0.094 dB

Peak SAR (extrapolated) = 0.739 W/kg

SAR(1 g) = 0.339 mW/g; SAR(10 g) = 0.149 mW/g

Maximum value of SAR (measured) = 0.401 mW/g

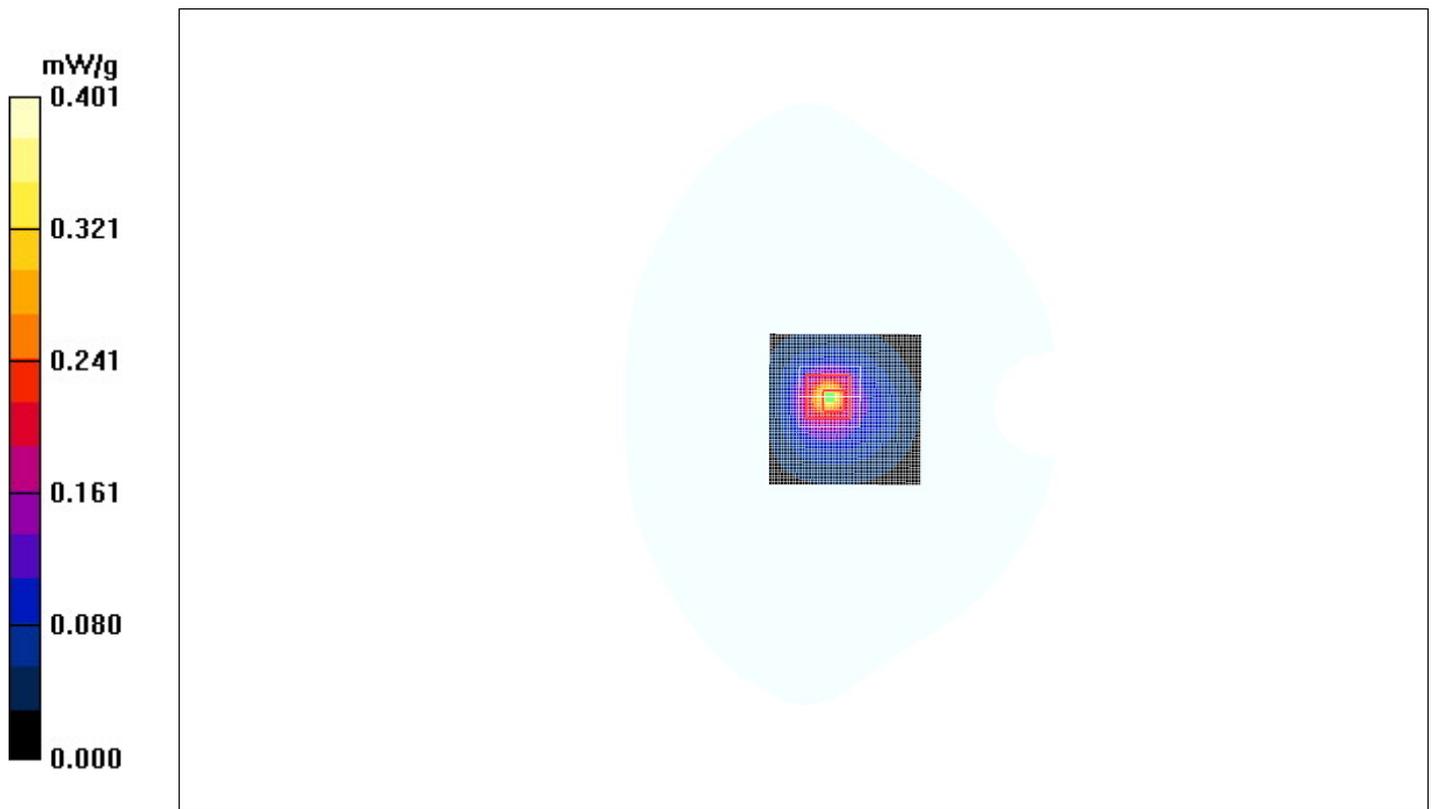


Figure 51 GSM 1900 EGPRS with IBM X41 Test Position 3 CH661 (2 timeslots in uplink)

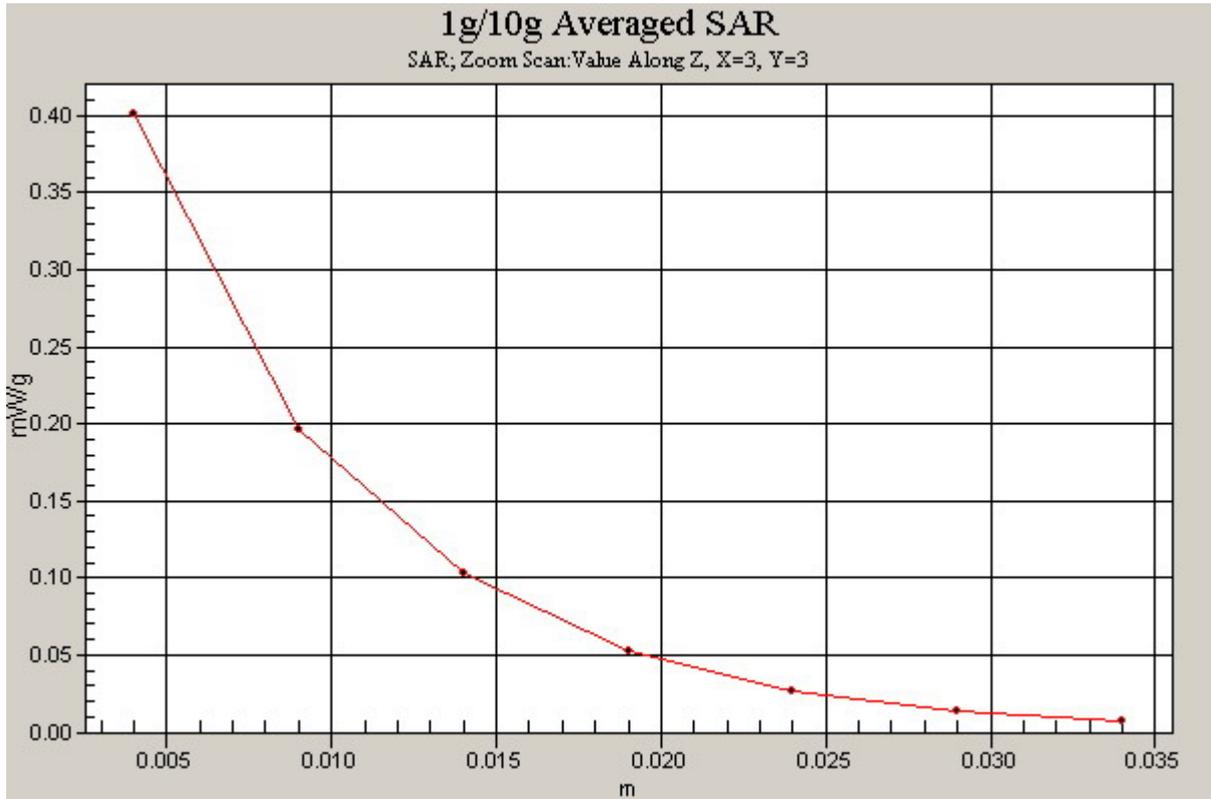


Figure 52 Z-Scan at power reference point [GSM 1900 EGPRS with IBM X41 Test Position 3 CH661 (2 timeslots in uplink)]

GSM 1900 EGPRS With IBM X41 Middle Test position 3 (1 timeslot in uplink)

Communication System: GSM 1900+EGPRS (1Up); Frequency: 1880 MHz; Duty Cycle: 1:8

Medium: Body 1900MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 52.9$; $\rho = 1000$ kg/m³

- Probe: ET3DV6 - SN1737; ConvF(4.64, 4.64, 4.64);

- Electronics: DAE3 Sn452;

Test position 3 Middle/Area Scan (51x51x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.281 mW/g

Test position 3 Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.08 V/m; Power Drift = 0.195 dB

Peak SAR (extrapolated) = 0.500 W/kg

SAR(1 g) = 0.233 mW/g; SAR(10 g) = 0.108 mW/g

Maximum value of SAR (measured) = 0.287 mW/g

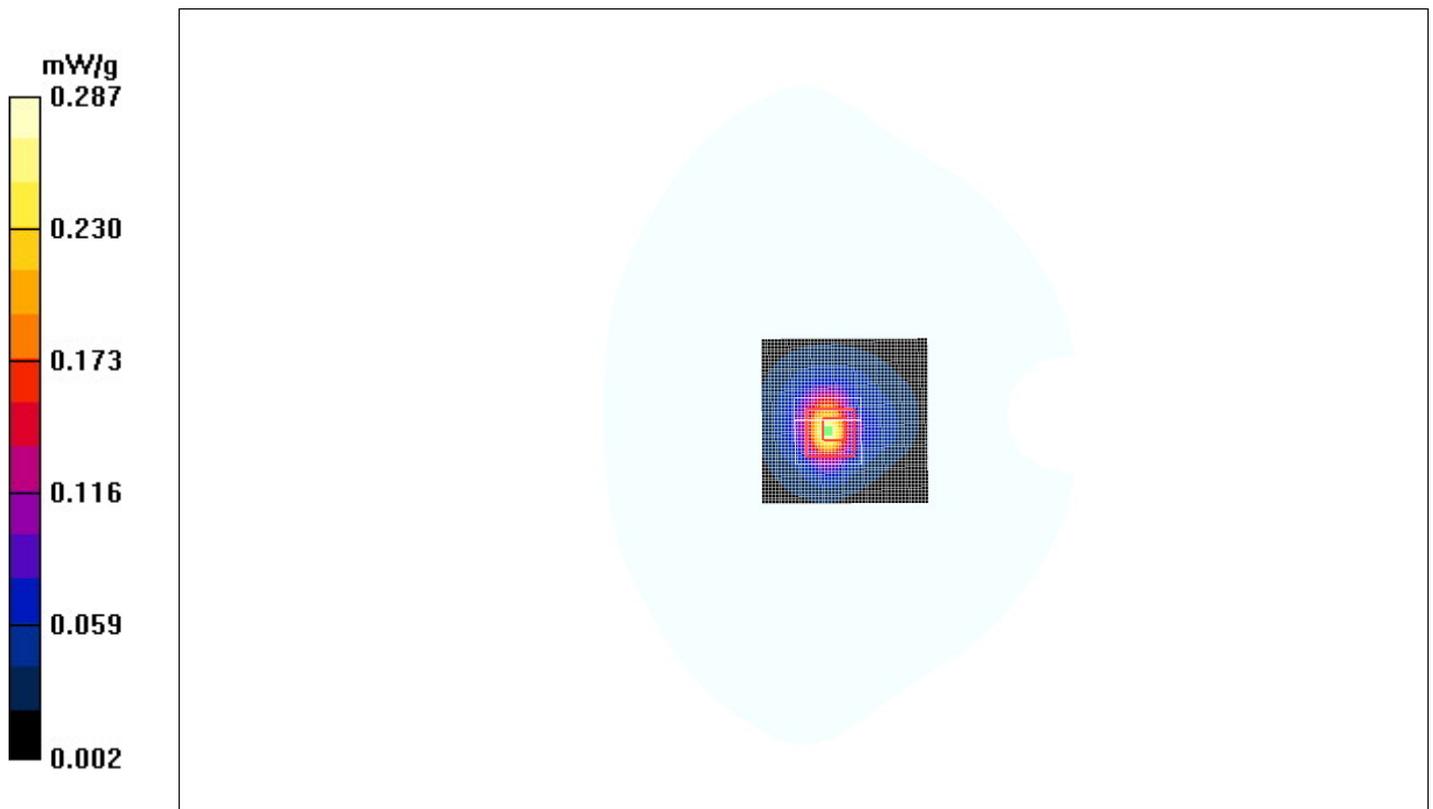


Figure 53 GSM 1900 EGPRS with IBM X41 Test Position 3 CH661 (1 timeslot in uplink)

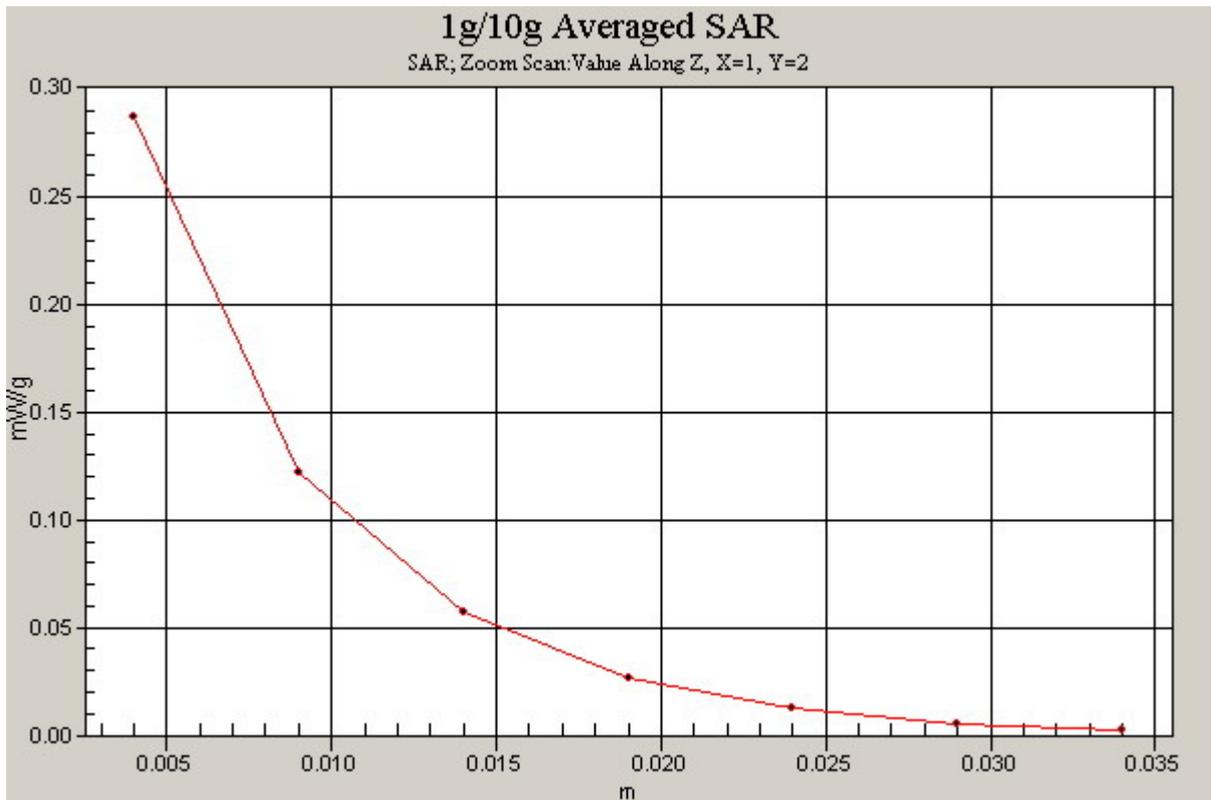


Figure 54 Z-Scan at power reference point [GSM 1900 EGPRS with IBM X41 Test Position 3 CH661 (1 timeslot in uplink)]

GSM 1900 GPRS with BenQ R55V Middle Test position 3 (2 timeslots in uplink)

Communication System: GSM 1900+GPRS(2Up); Frequency: 1880 MHz; Duty Cycle: 1:4

Medium: Body 1900MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 52.9$; $\rho = 1000$ kg/m³

- Probe: ET3DV6 - SN1737; ConvF(4.64, 4.64, 4.64);

- Electronics: DAE3 Sn452;

Test position 3 Middle/Area Scan (51x51x1): Measurement grid: dx=15mm, dy=15mm

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

Test position 3 Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.0 V/m; Power Drift = -0.045 dB

Peak SAR (extrapolated) = 2.04 W/kg

SAR(1 g) = 0.745 mW/g; SAR(10 g) = 0.322 mW/g

Maximum value of SAR (measured) = 0.940 mW/g

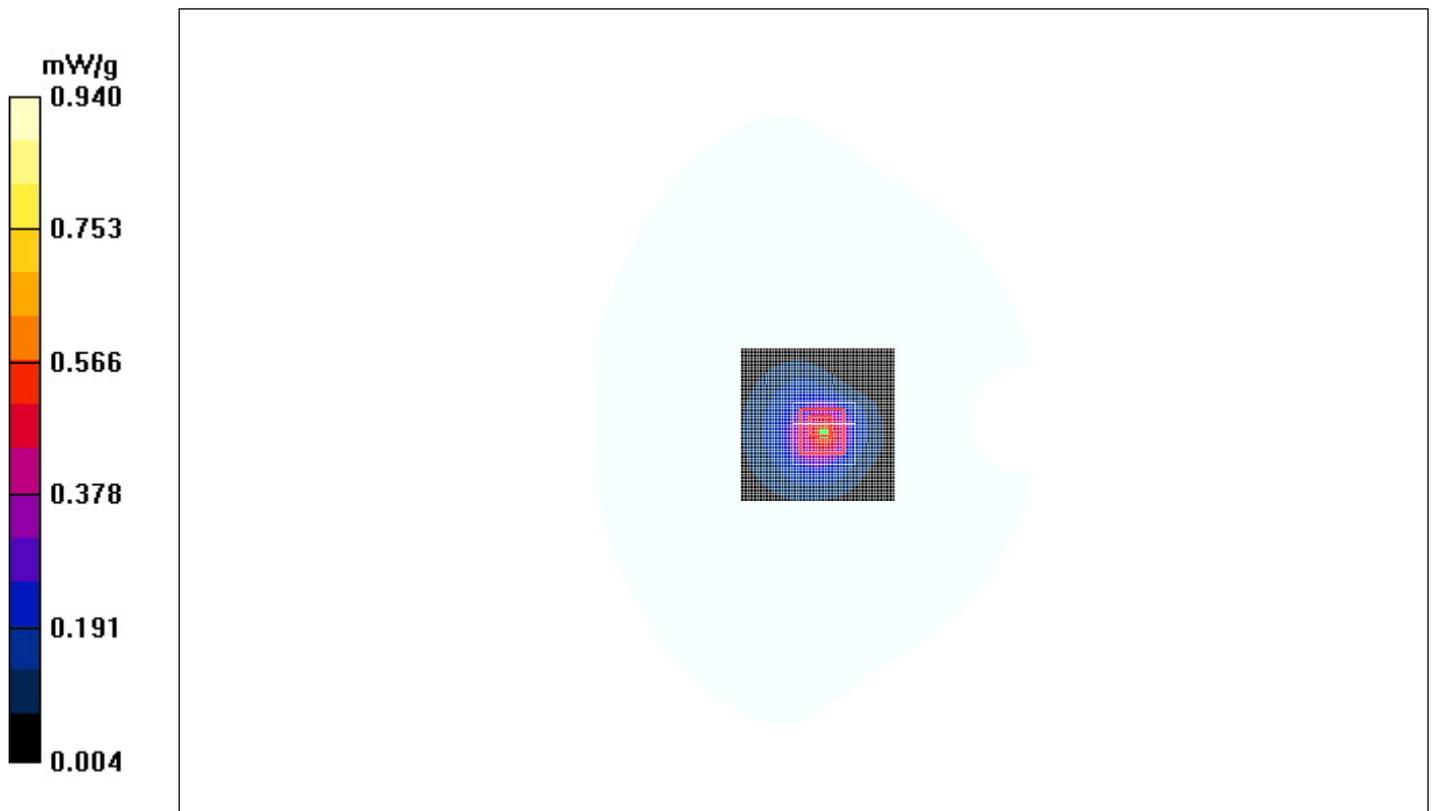


Figure 55 GSM 1900 GPRS with BenQ R55V Test Position 3 CH661 (2 timeslots in uplink)

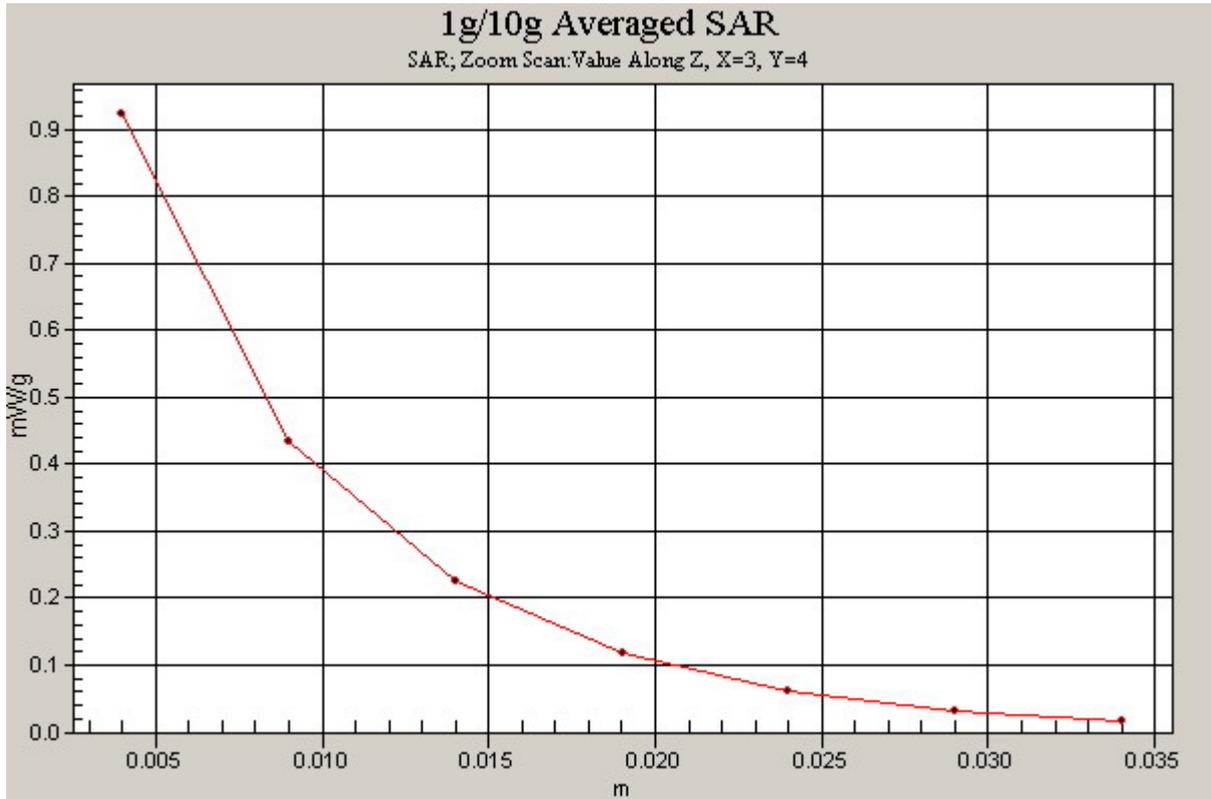


Figure 56 Z-Scan at power reference point [GSM 1900 GPRS with BenQ R55V Test Position 3 CH661 (2 timeslots in uplink)]

GSM 1900 GPRS with BenQ R55V Middle Test position 4 (2 timeslots in uplink)

Communication System: GSM 1900+GPRS(2Up); Frequency: 1880 MHz; Duty Cycle: 1:4

Medium: Body 1900MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 52.9$; $\rho = 1000$ kg/m³

- Probe: ET3DV6 - SN1737; ConvF(4.64, 4.64, 4.64);

- Electronics: DAE3 Sn452;

Test position 4 Middle/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.305 mW/g

Test position 4 Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.67 V/m; Power Drift = -0.141 dB

Peak SAR (extrapolated) = 0.429 W/kg

SAR(1 g) = 0.262 mW/g; SAR(10 g) = 0.148 mW/g

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

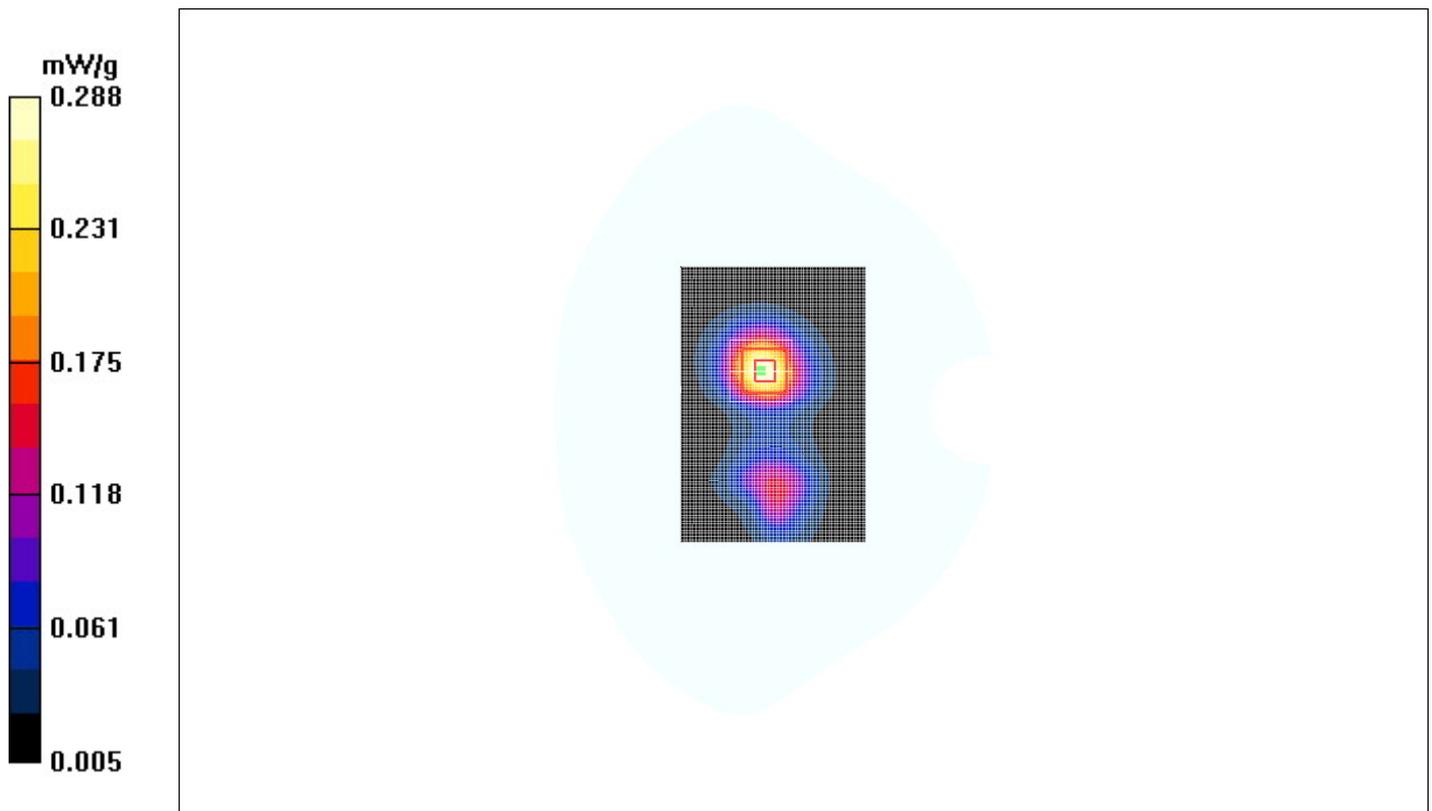


Figure 57 GSM 1900 GPRS with BenQ R55V Test Position 4 CH661 (2 timeslots in uplink)

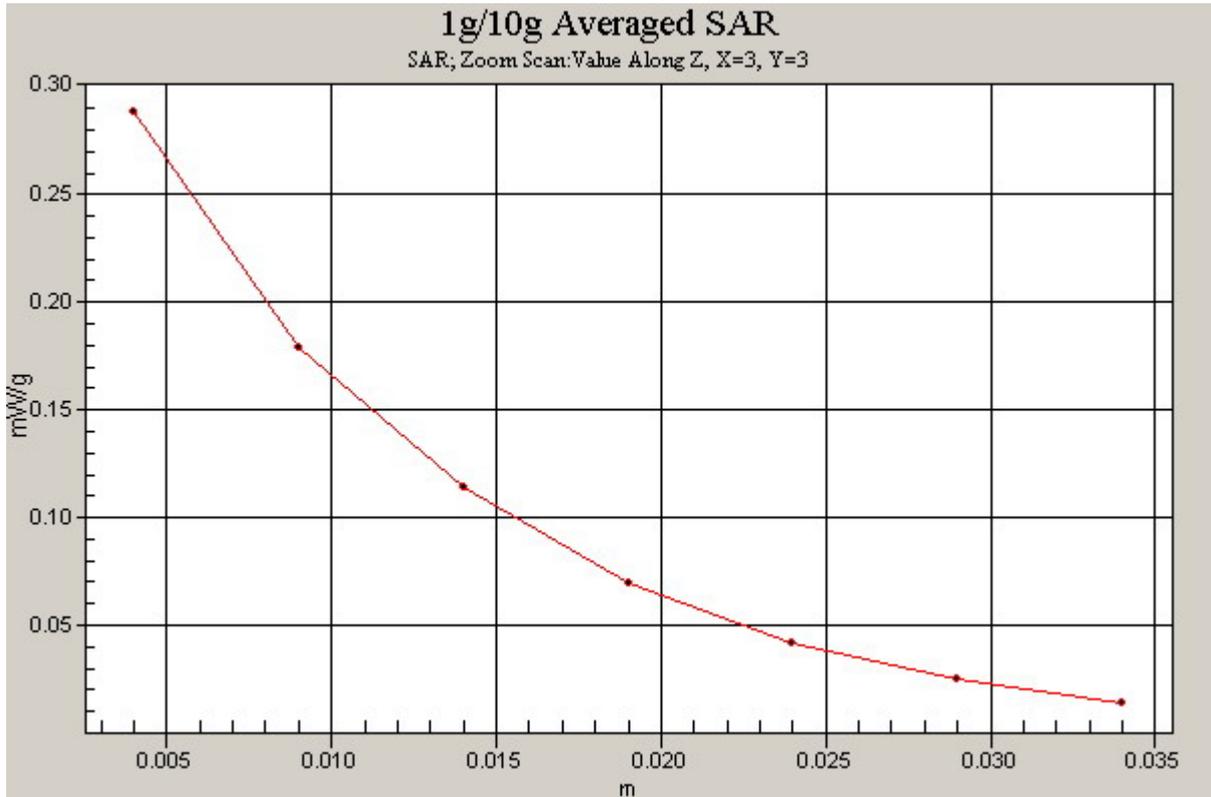


Figure 58 Z-Scan at power reference point [GSM 1900 GPRS with BenQ R55V Test Position 4 CH661 (2 timeslots in uplink)]