

I.4 Reported SAR Comparison

Exposure Configuration	Technology Band	Reported SAR 1g (W/Kg): original	Reported SAR 1g (W/Kg): spot check
Head (Separation Distance 0mm)	GSM 850	0.61	0.51
	PCS 1900	0.66	0.53
	UMTS FDD 5	0.52	0.42
	UMTS FDD 2	0.80	0.75
Hotspot (Separation Distance 10mm)	GSM 850	1.30	1.25
	PCS 1900	0.78	0.77
	UMTS FDD 5	0.60	0.55
	UMTS FDD 2	1.11	0.83

GSM 850 Left Cheek High

Date/Time: 2015-11-11

Electronics: DAE4 Sn786

Medium: 900Head

Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.938$ S/m; $\epsilon_r = 40.453$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

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

Probe: EX3DV4 - SN3633 ConvF(9.31, 9.31, 9.31);

Right Cheek High/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.424 W/kg

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

Reference Value = 5.307 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.499 W/kg

SAR(1 g) = 0.404 W/kg; SAR(10 g) = 0.305 W/kg

Maximum value of SAR (measured) = 0.414 W/kg

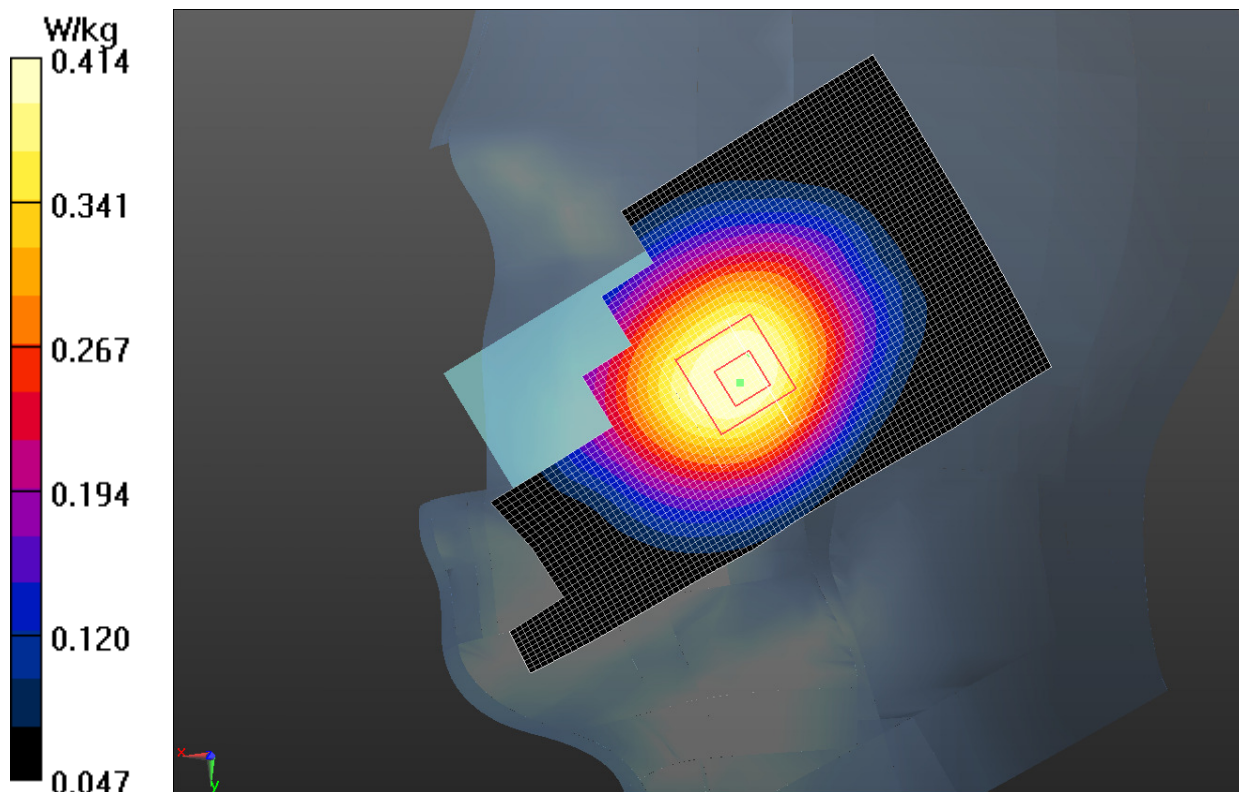


Fig.1 850MHz CH251

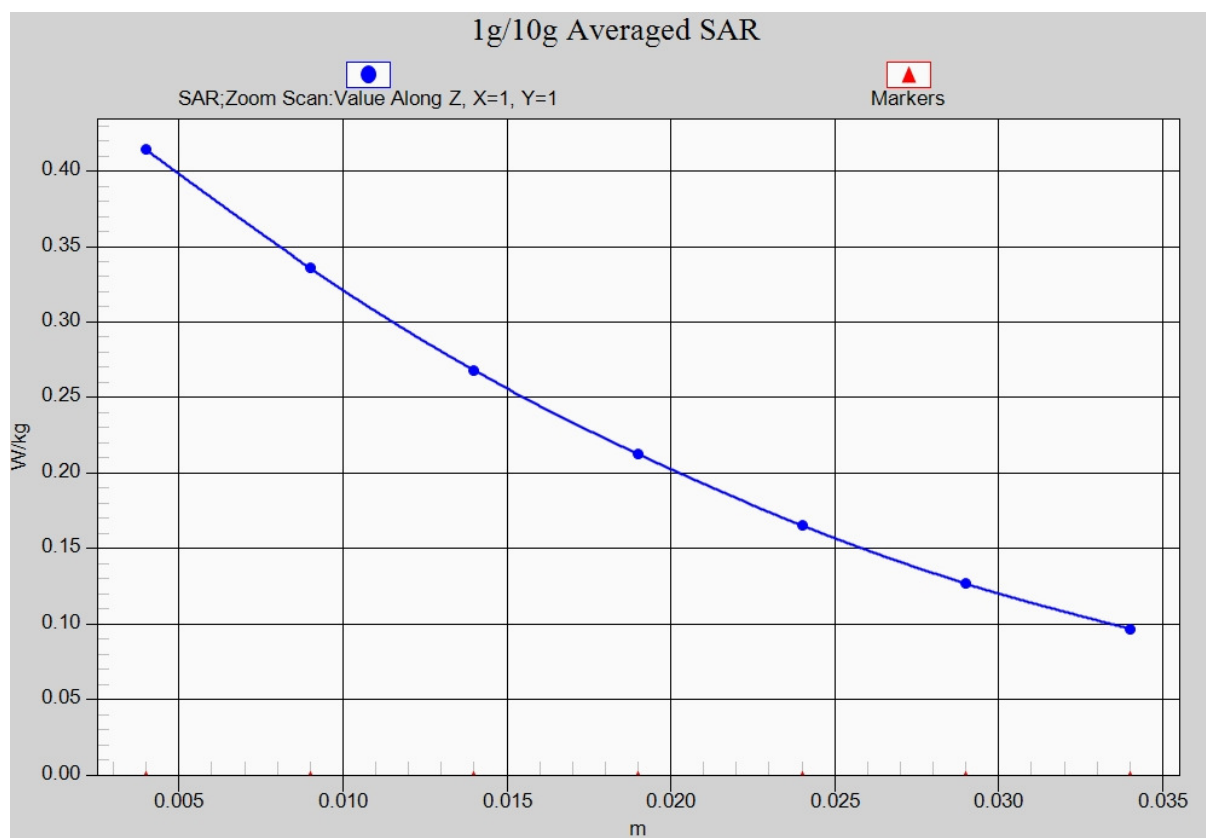


Fig. 1-1 Z-Scan at power reference point (850 MHz CH251)

GSM 850 Body Rear High

Date/Time: 2015/11/9

Electronics: DAE4 Sn786

Medium: Body 850 MHz

Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.988$ S/m; $\epsilon_r = 52.519$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, 4 slot GPRS (0) Frequency: 848.8 MHz Duty Cycle: 1:2.0

Probe: EX3DV4 - SN3633 ConvF(9.29, 9.29, 9.29);

Rear side High/Area Scan (51x101x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
Maximum value of SAR (interpolated) = 1.17 W/kg

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

Reference Value = 35.20 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.39 W/kg

SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.812 W/kg

Maximum value of SAR (measured) = 1.15 W/kg

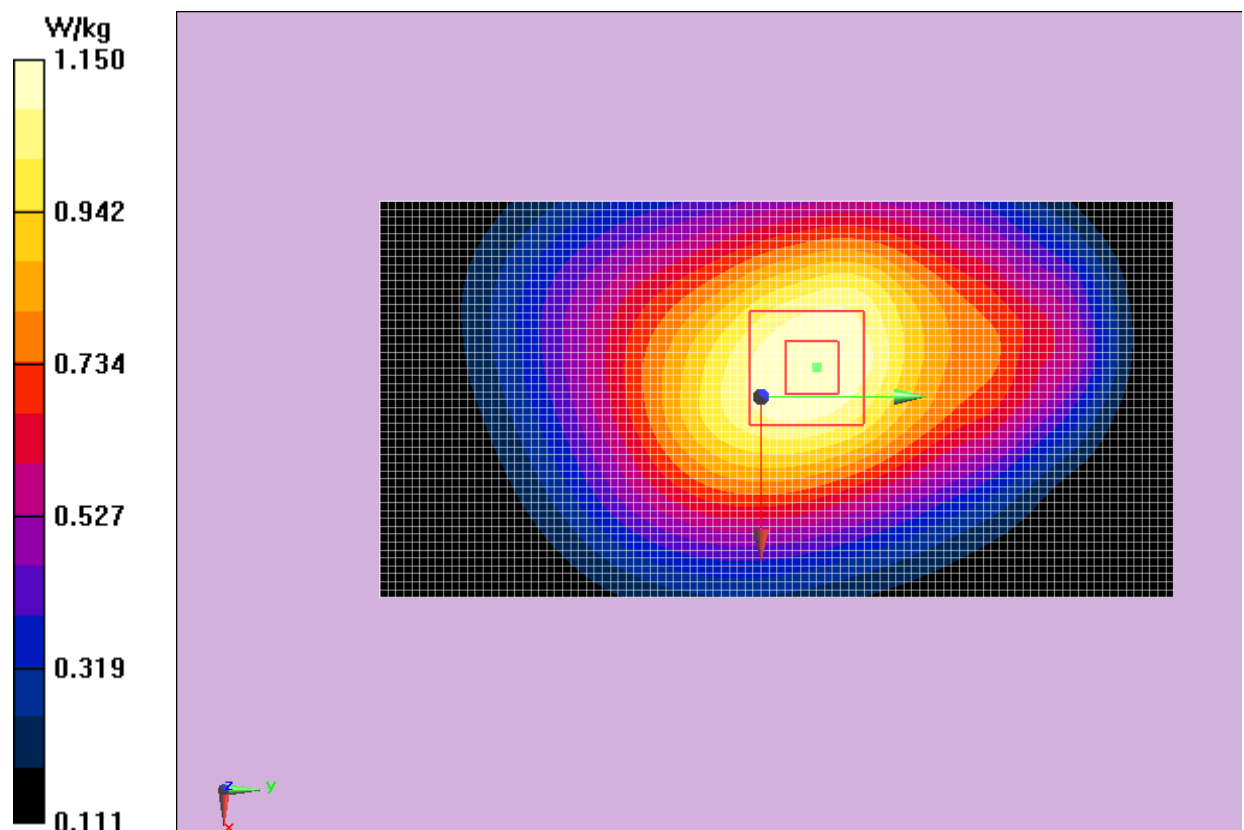


Fig.2 850 MHz CH251

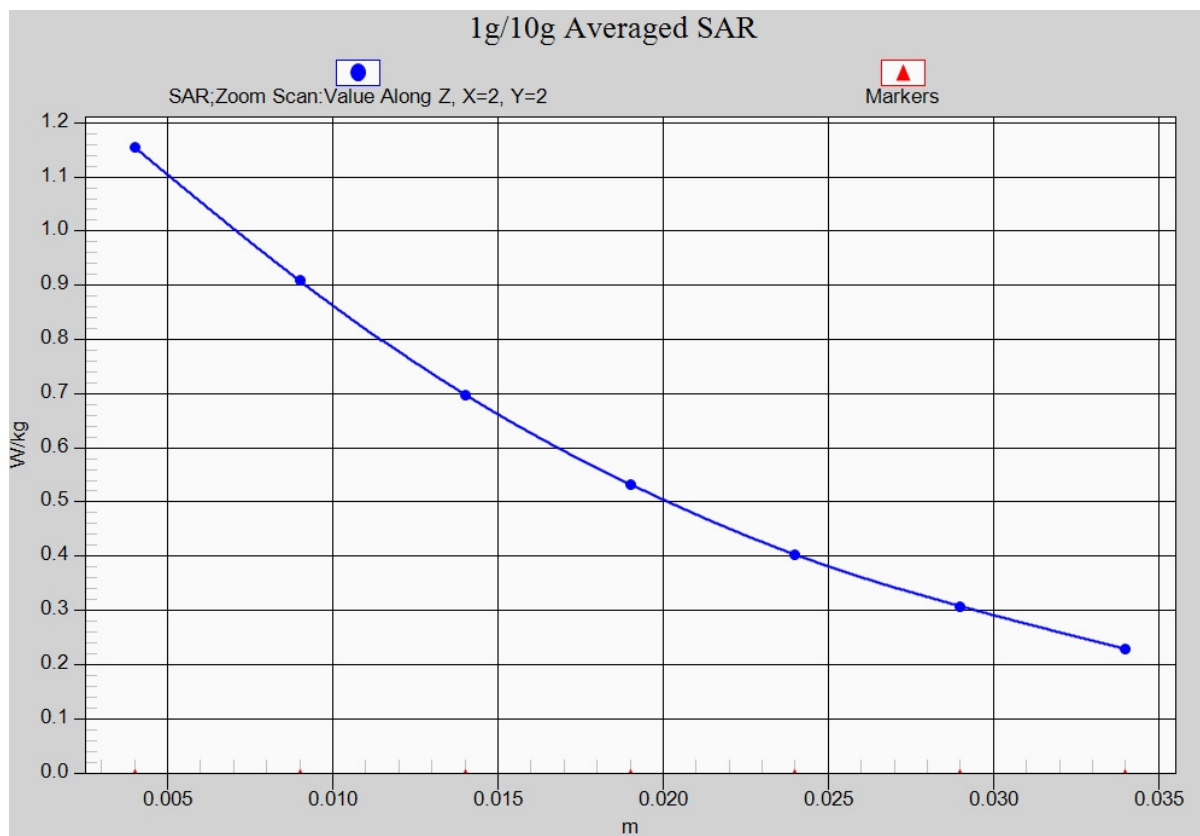


Fig. 2-1 Z-Scan at power reference point (850 MHz CH251)

GSM1900 Right Cheek High

Date/Time: 2015-11-5

Electronics: DAE4 Sn786

Medium: 1900 Head

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.415$ S/m; $\epsilon_r = 38.294$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: GSM Frequency: 1910 MHz Duty Cycle: 1:8.3

Probe: EX3DV4 - SN3633 ConvF(7.55, 7.55, 7.55);

Right Cheek High/Area Scan (61x91x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.422 W/kg

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

Reference Value = 7.897 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.576 W/kg

SAR(1 g) = 0.384 W/kg; SAR(10 g) = 0.231 W/kg

Maximum value of SAR (measured) = 0.400 W/kg

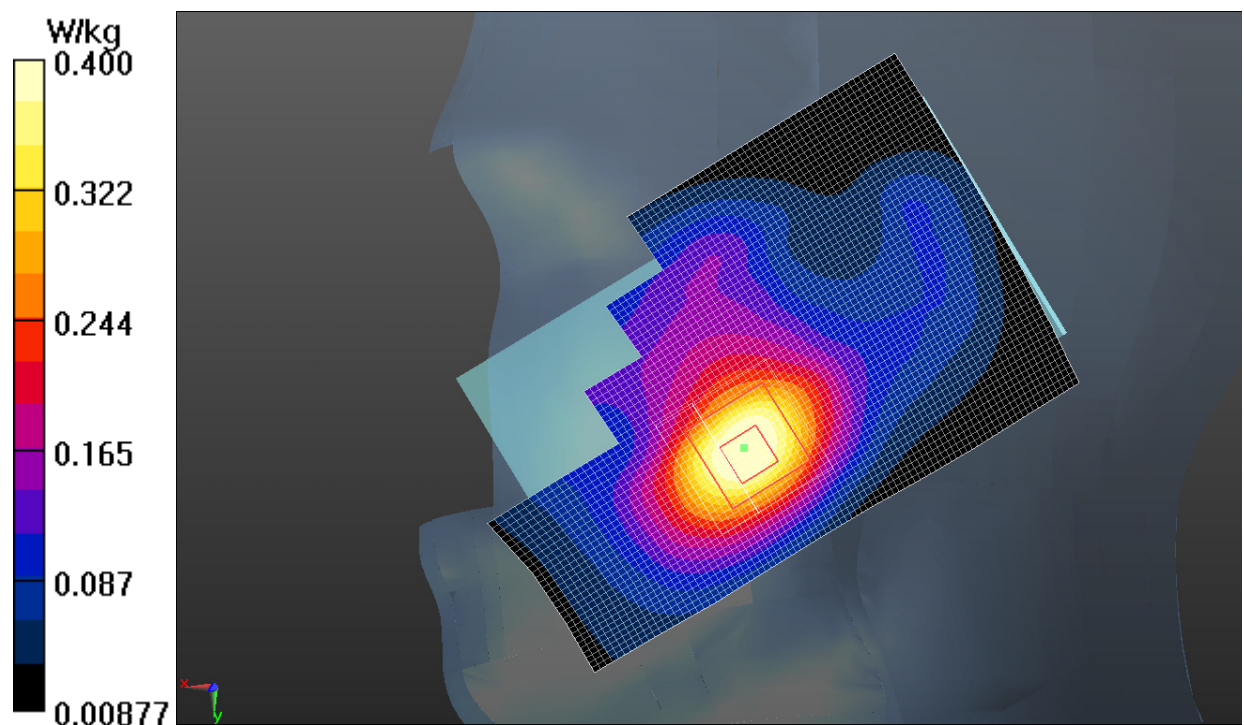


Fig.3 1900 MHz CH810

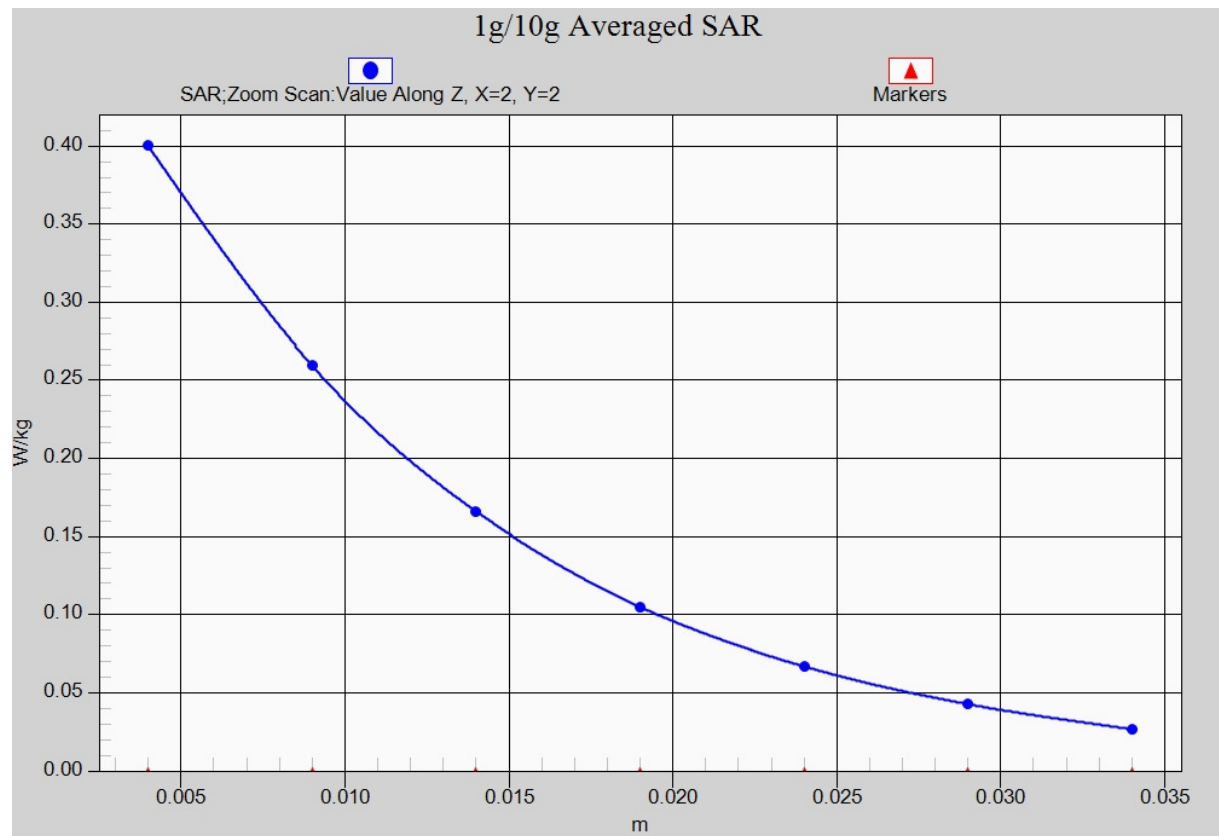


Fig. 3-1 Z-Scan at power reference point (1900 MHz CH810)

GSM1900 Body Rear Low

Date/Time: 2015-11-8

Electronics: DAE4 Sn786

Medium: 1900 Body

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.53$ S/m; $\epsilon_r = 52.234$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: 4 slot GPRS Frequency: 1850.2 MHz Duty Cycle: 1:2

Probe: EX3DV4 - SN3633 ConvF(7.18, 7.18, 7.18);

Rear side Low/Area Scan (61x101x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.739 W/kg

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

Reference Value = 10.007 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.34 W/kg

SAR(1 g) = 0.701 W/kg; SAR(10 g) = 0.440 W/kg

Maximum value of SAR (measured) = 0.762 W/kg

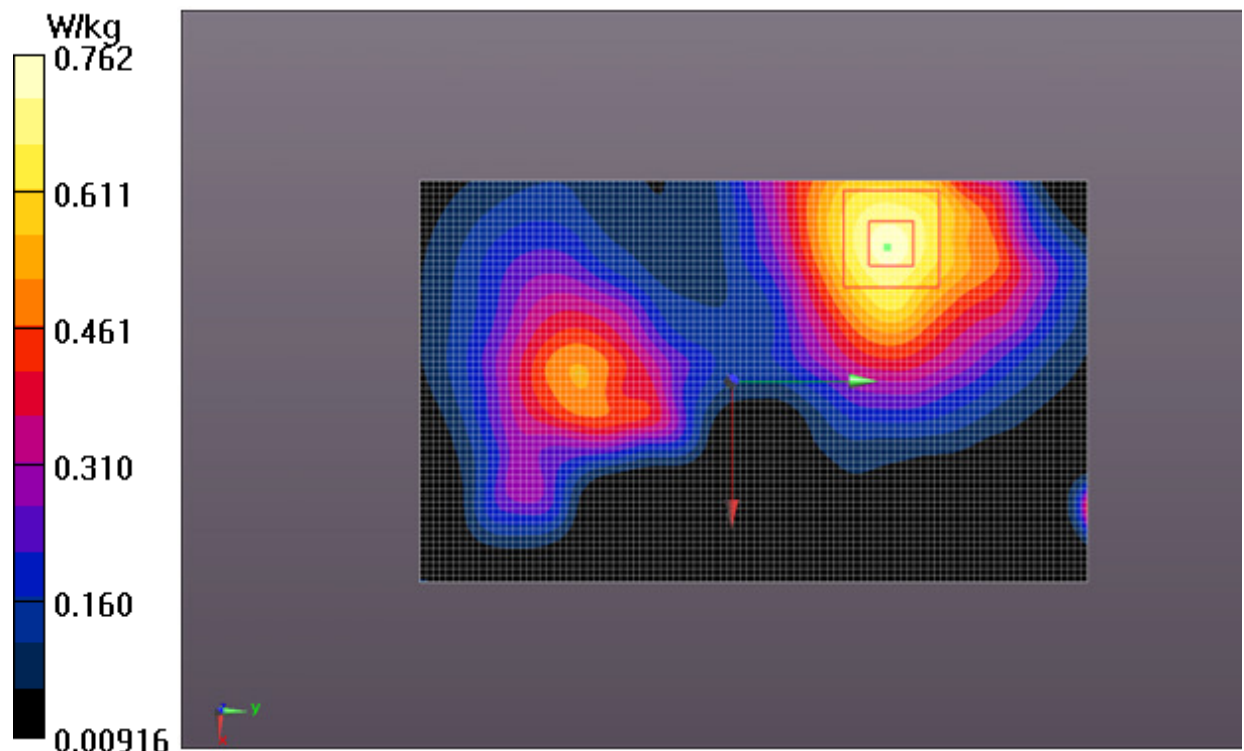


Fig.4 1900 MHz CH512

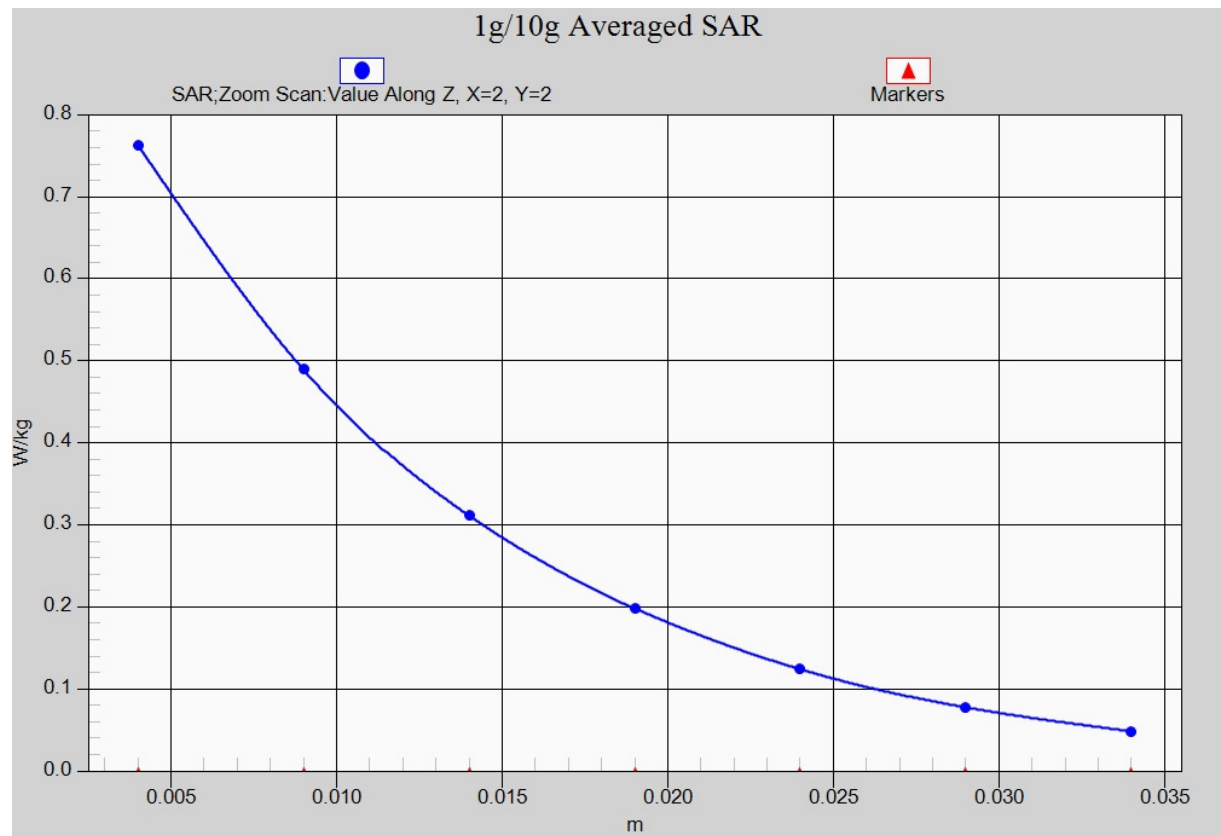


Fig.4-1 Z-Scan at power reference point (1900 MHz CH512)

WCDMA 850 Left Cheek Middle

Date/Time: 2015-11-11

Electronics: DAE4 Sn786

Medium: 900Head

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.932$ S/m; $\epsilon_r = 40.584$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: WCDMA Frequency: 836.6 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3633 ConvF(9.31, 9.31, 9.31);

Right Cheek Middle/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.385 W/kg

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

Reference Value = 6.648 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.453 W/kg

SAR(1 g) = 0.364 W/kg; SAR(10 g) = 0.273 W/kg

Maximum value of SAR (measured) = 0.377 W/kg

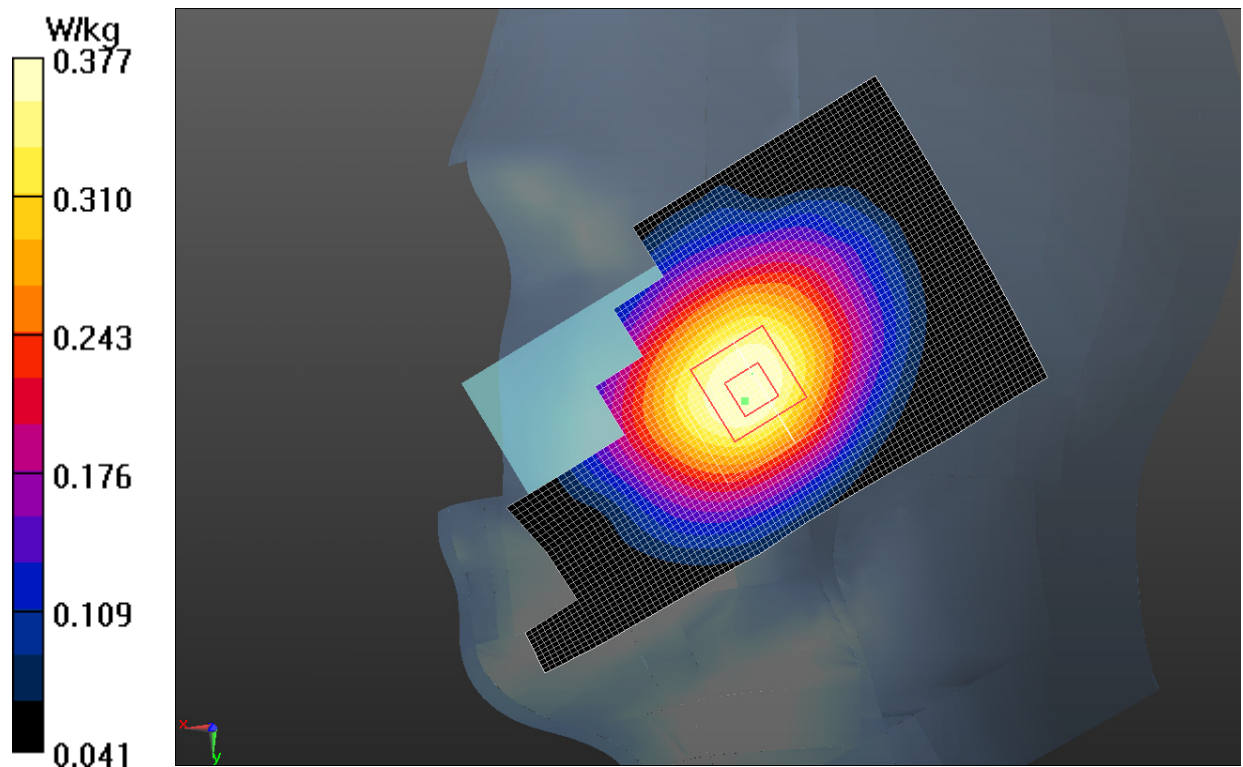


Fig.5 WCDMA 850 CH4183

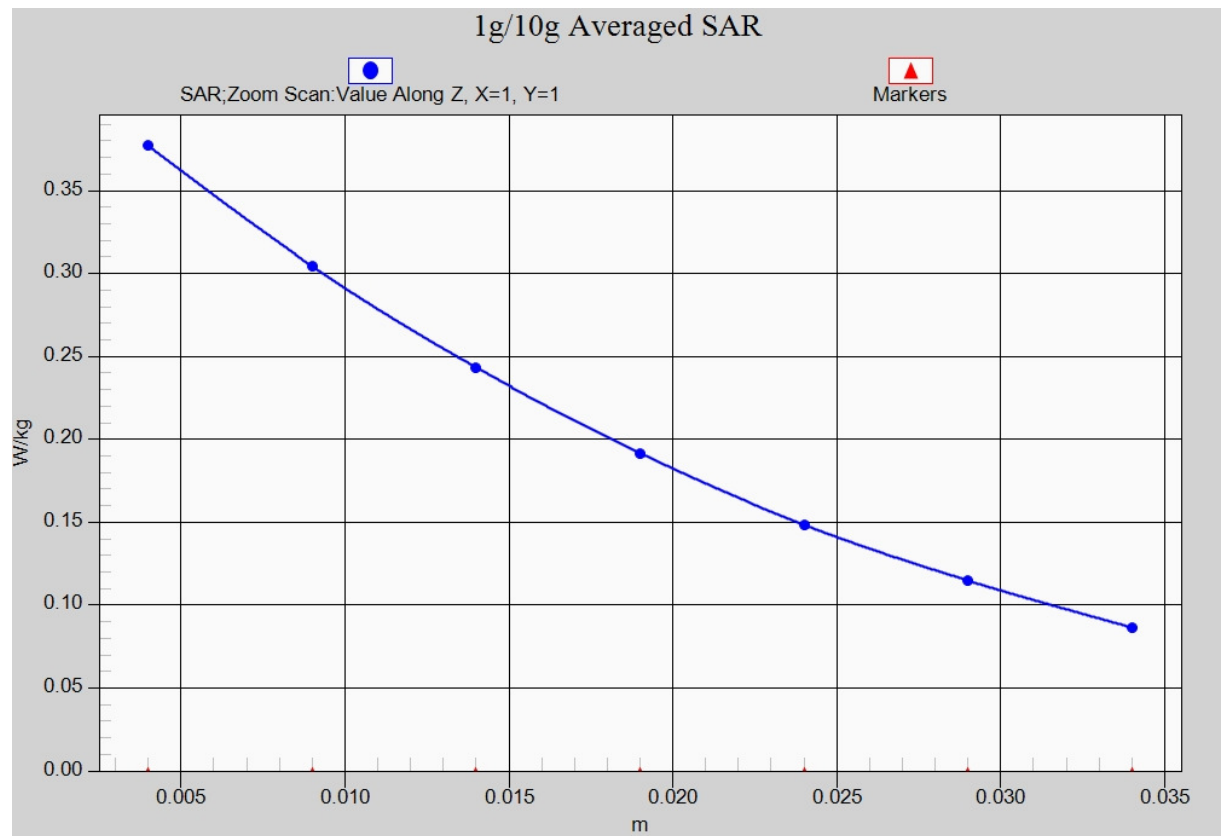


Fig. 5-1 Z-Scan at power reference point (WCDMA 850 CH4183)

WCDMA 850 Body Rear Middle

Date/Time: 2015/11/9

Electronics: DAE4 Sn786

Medium: Body 850 MHz

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.973$ S/m; $\epsilon_r = 52.595$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, WCDMA (0) Frequency: 836.6 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3633 ConvF(9.29, 9.29, 9.29);

Rear side Mid/Area Scan (51x101x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.500 W/kg

Rear side Mid/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 19.42 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.605 W/kg

SAR(1 g) = 0.475 W/kg; SAR(10 g) = 0.352 W/kg

Maximum value of SAR (measured) = 0.500 W/kg

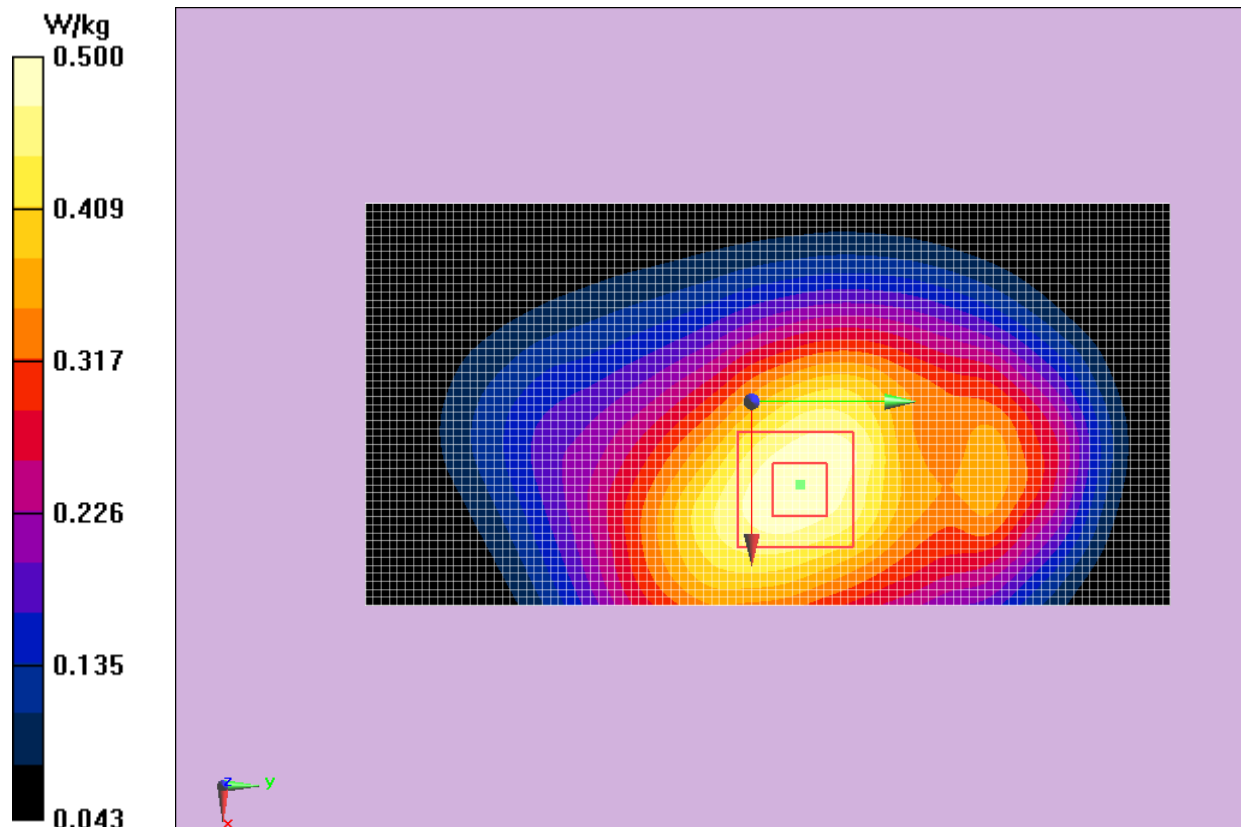


Fig.6 WCDMA 850 CH4183

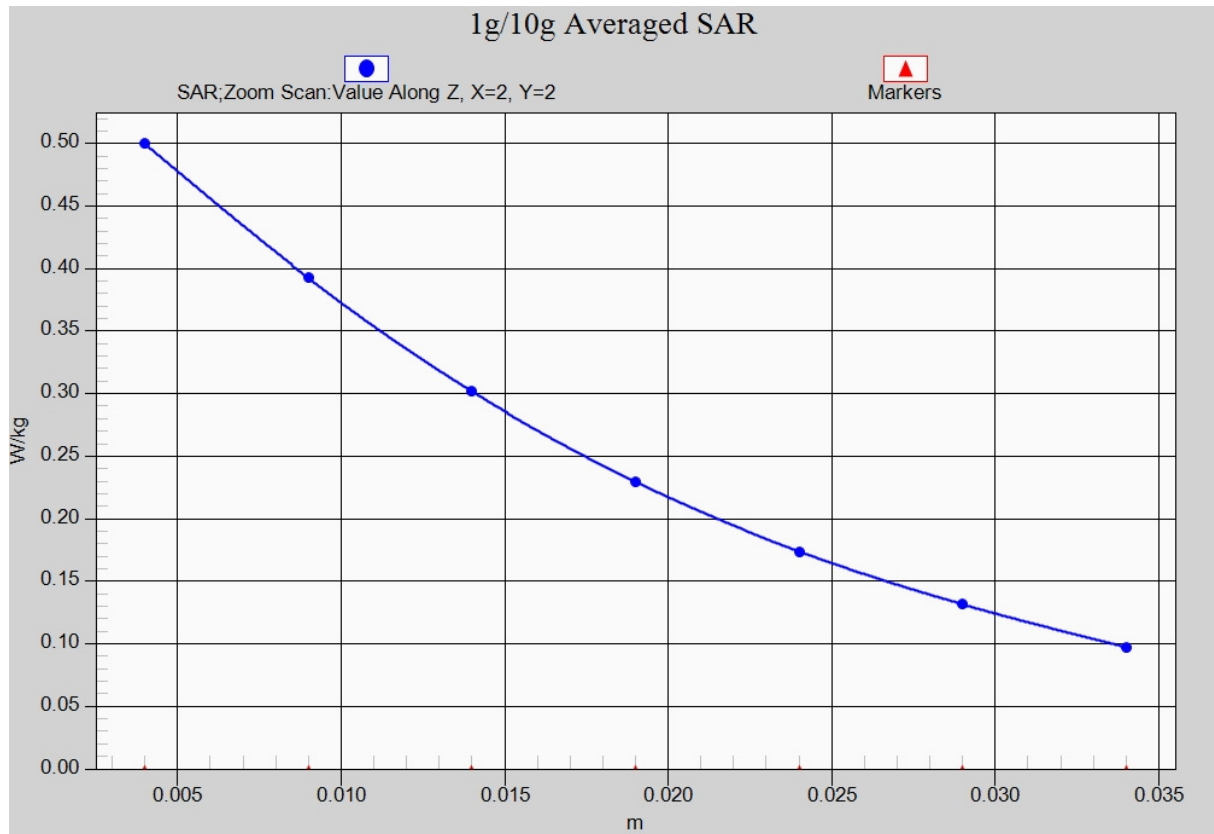


Fig. 6-1 Z-Scan at power reference point (WCDMA850 CH4183)

WCDMA 1900 Right Cheek Middle

Date/Time: 2015-11-5

Electronics: DAE4 Sn786

Medium: 1900 Head

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.394$ S/m; $\epsilon_r = 38.388$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: WCDMA Frequency: 1880 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3633 ConvF(7.55, 7.55, 7.55);

Right Cheek Middle/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.680 W/kg

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

Reference Value = 10.220 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.927 W/kg

SAR(1 g) = 0.618 W/kg; SAR(10 g) = 0.377 W/kg

Maximum value of SAR (measured) = 0.673 W/kg

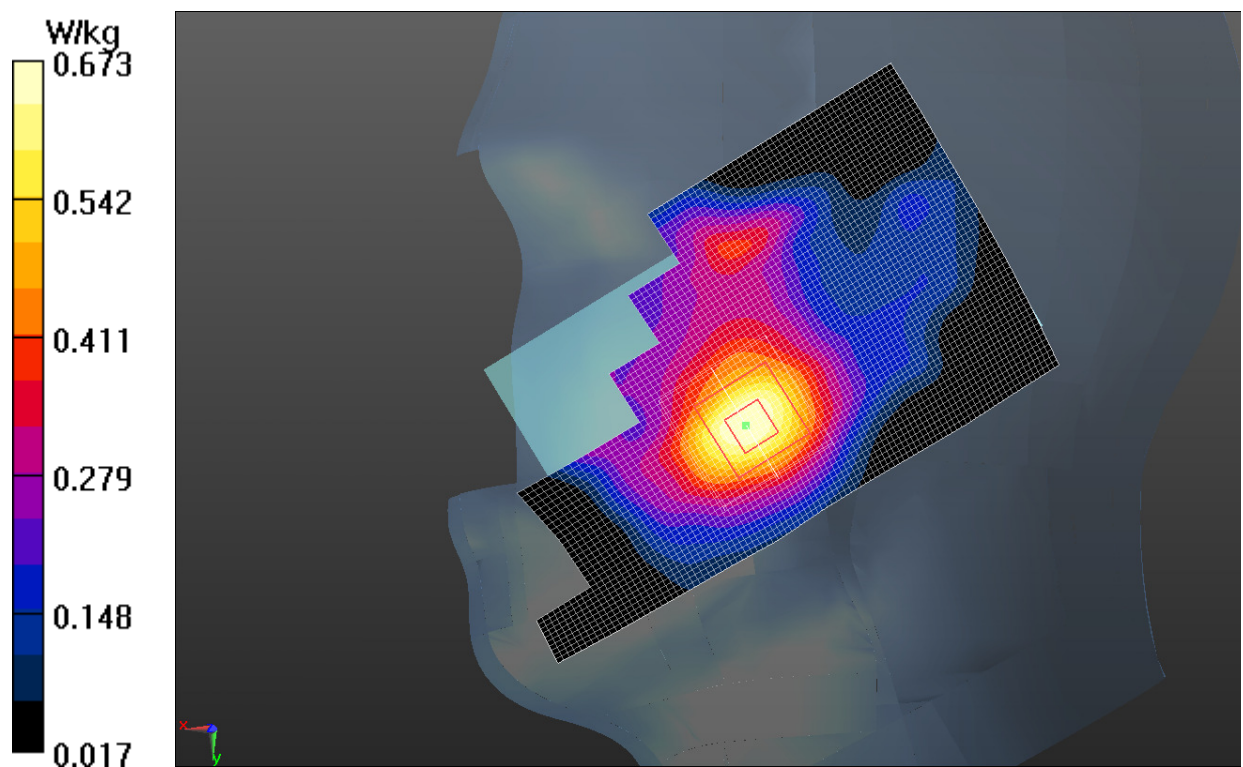


Fig.7 WCDMA1900 CH9400

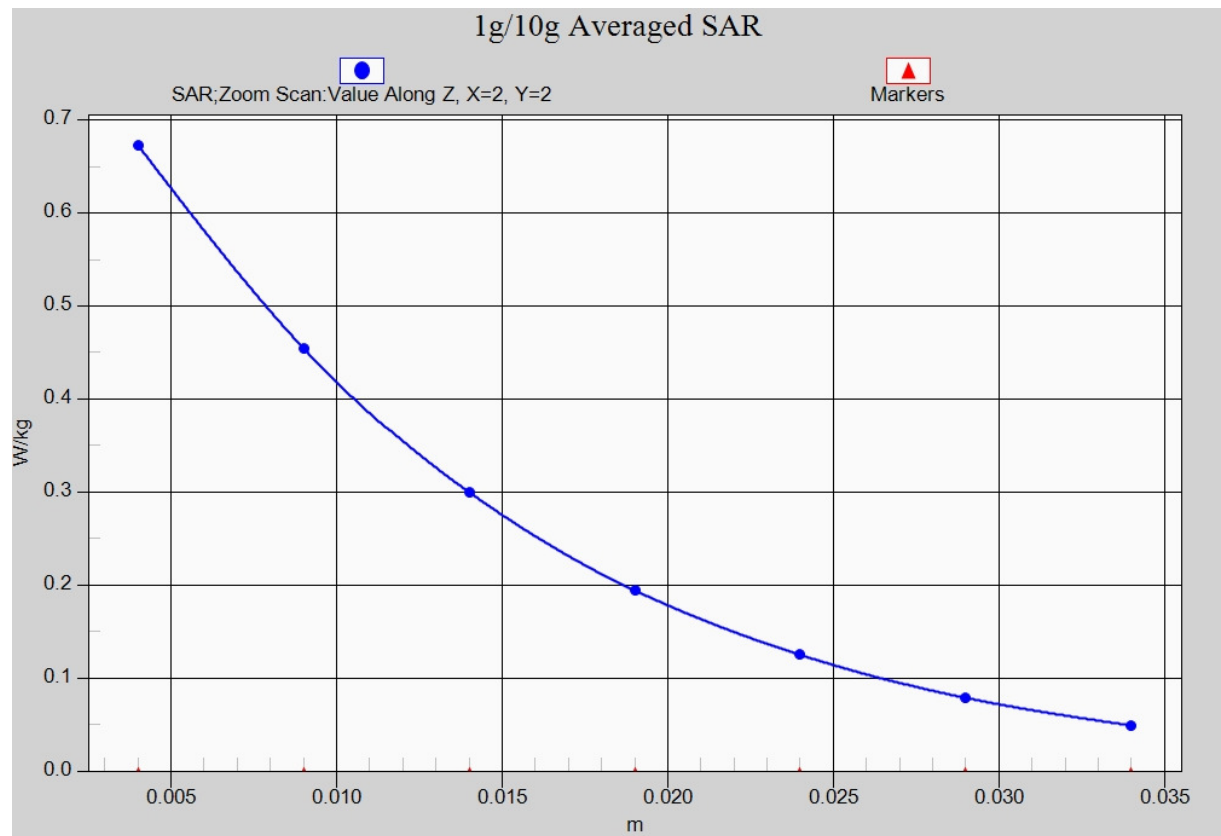


Fig. 7-1 Z-Scan at power reference point (WCDMA1900 CH9400)

WCDMA 1900 Body Rear Low

Date/Time: 2015-11-8

Electronics: DAE4 Sn786

Medium: 1900 Body

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.532$ S/m; $\epsilon_r = 52.231$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: WCDMA Frequency: 1852.4 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3633 ConvF(7.18, 7.18, 7.18);

Rear side Low/Area Scan (61x101x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.739 W/kg

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

Reference Value = 11.982 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.691 W/kg; SAR(10 g) = 0.437 W/kg

Maximum value of SAR (measured) = 0.744 W/kg

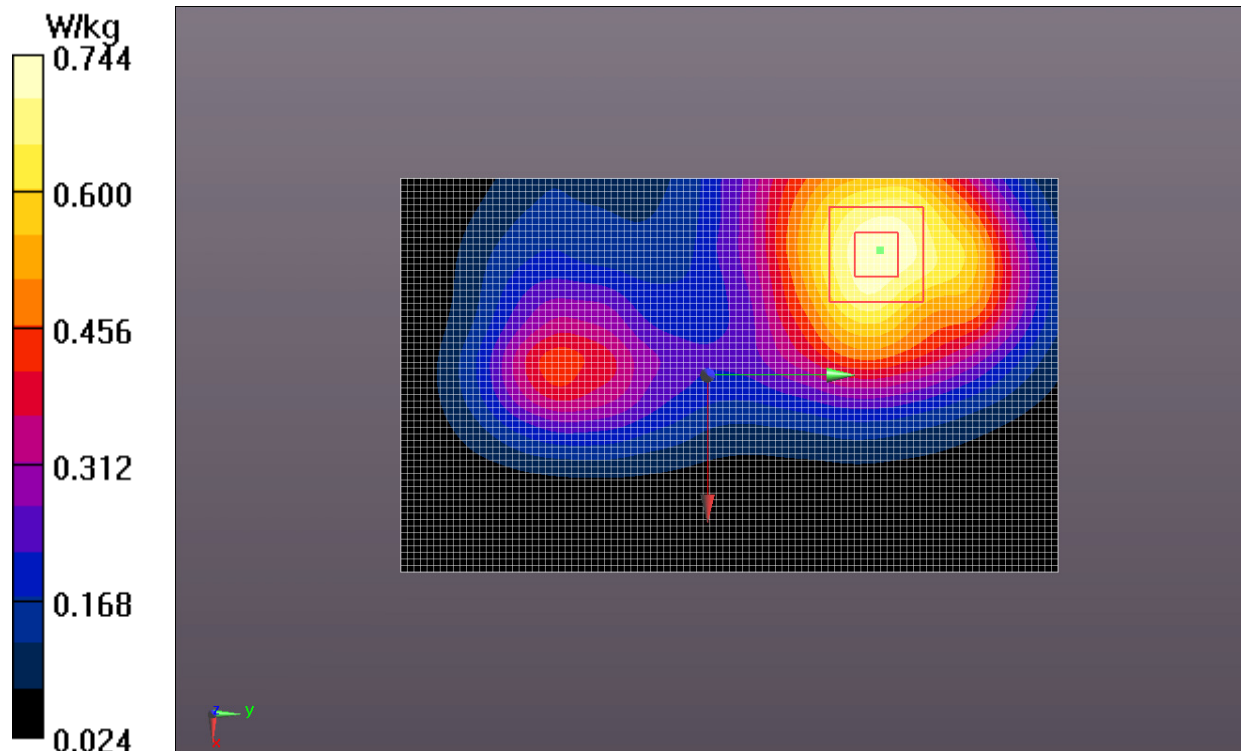


Fig.8 WCDMA1900 CH9262

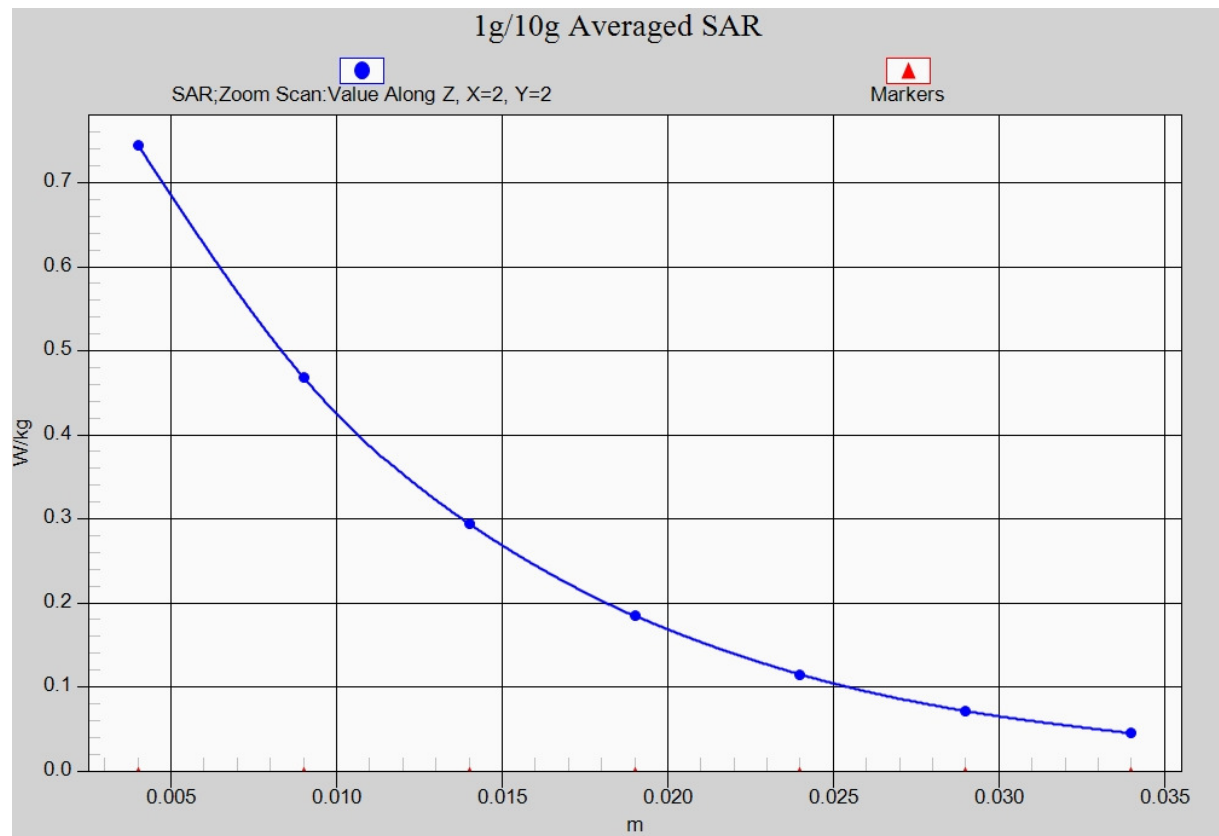


Fig. 8-1 Z-Scan at power reference point (WCDMA1900 CH9262)

END OF REPORT