

**Fig. 22-1 Z-Scan at power reference point (LTE Band17)**

### LTE Band17 Body Rear Middle with QPSK\_10M\_1RB\_Middle

Date: 2015-9-17

Electronics: DAE4 Sn777

Medium: Body 750 MHz

Medium parameters used:  $f = 710$  MHz;  $\sigma = 0.931$  mho/m;  $\epsilon_r = 56.754$ ;  $\rho = 1000$  kg/m $^3$

Ambient Temperature: 23.0°C Liquid Temperature: 22.5°C

Communication System: LTE Band17 Frequency: 710 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3846 ConvF(9.18, 9.18, 9.18)

**Area Scan (121x71x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.425 W/kg

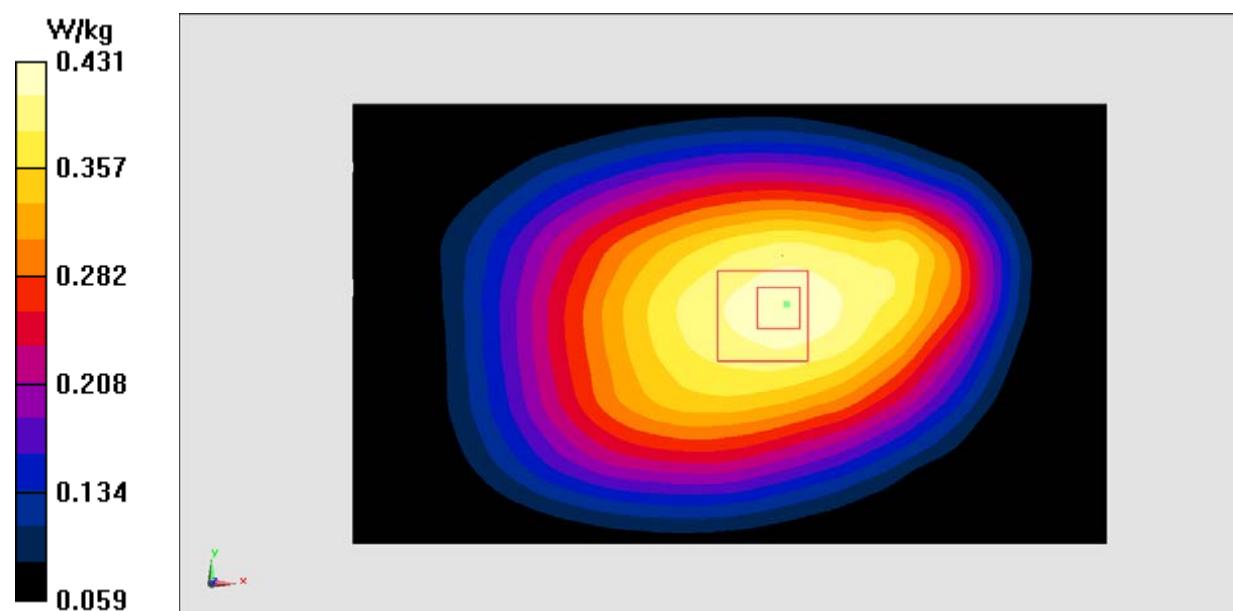
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$  mm,  $dy=5$  mm,  $dz=5$  mm

Reference Value = 19.74 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.476 W/kg

**SAR(1 g) = 0.375 W/kg; SAR(10 g) = 0.290 W/kg**

Maximum value of SAR (measured) = 0.431 W/kg



**Fig.23 LTE Band17**

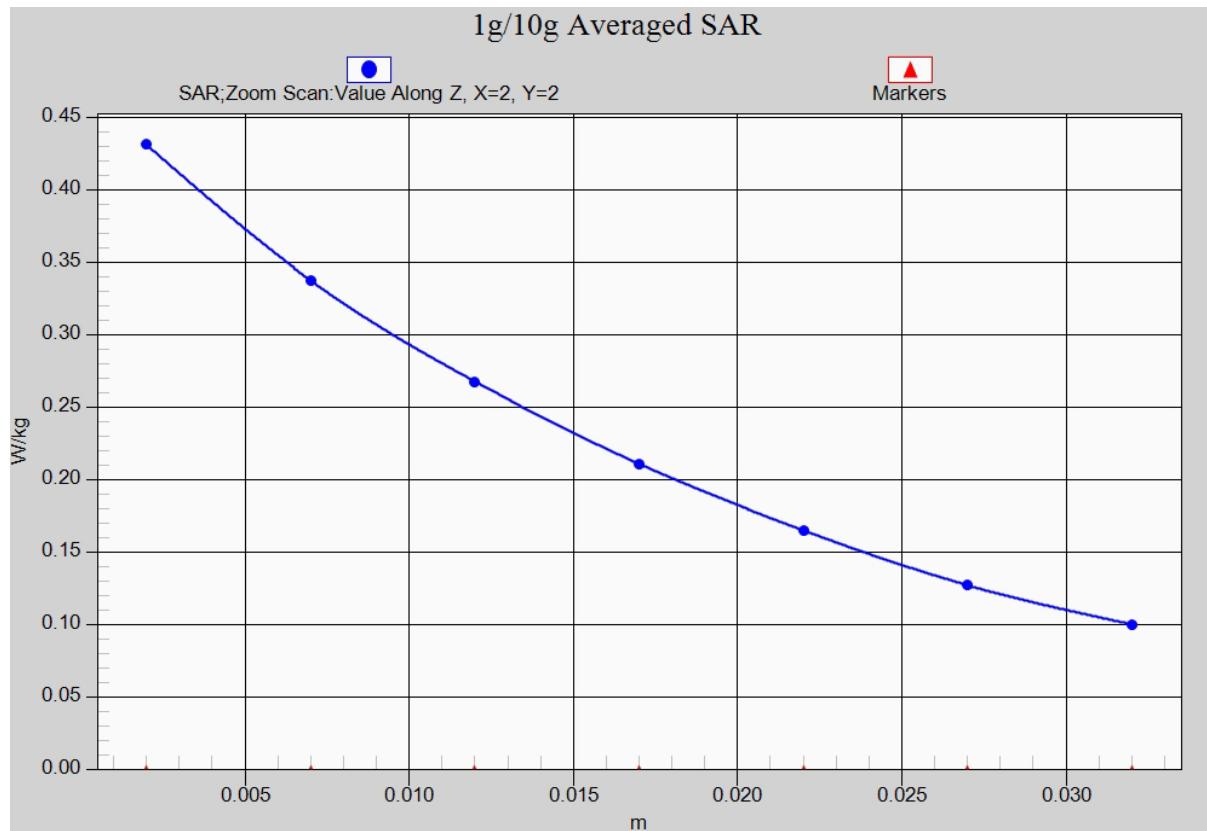


Fig. 23-1 Z-Scan at power reference point (LTE Band17)

## Wifi 802.11b Right Cheek Channel 11

Date: 2015-9-17

Electronics: DAE4 Sn777

Medium: Head 2450 MHz

Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 1.825$  mho/m;  $\epsilon_r = 39.783$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.0°C      Liquid Temperature: 22.5°C

Communication System: WLan 2450 Frequency: 2462 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3846 ConvF(6.56, 6.56, 6.56)

**Area Scan (81x151x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.92 W/kg

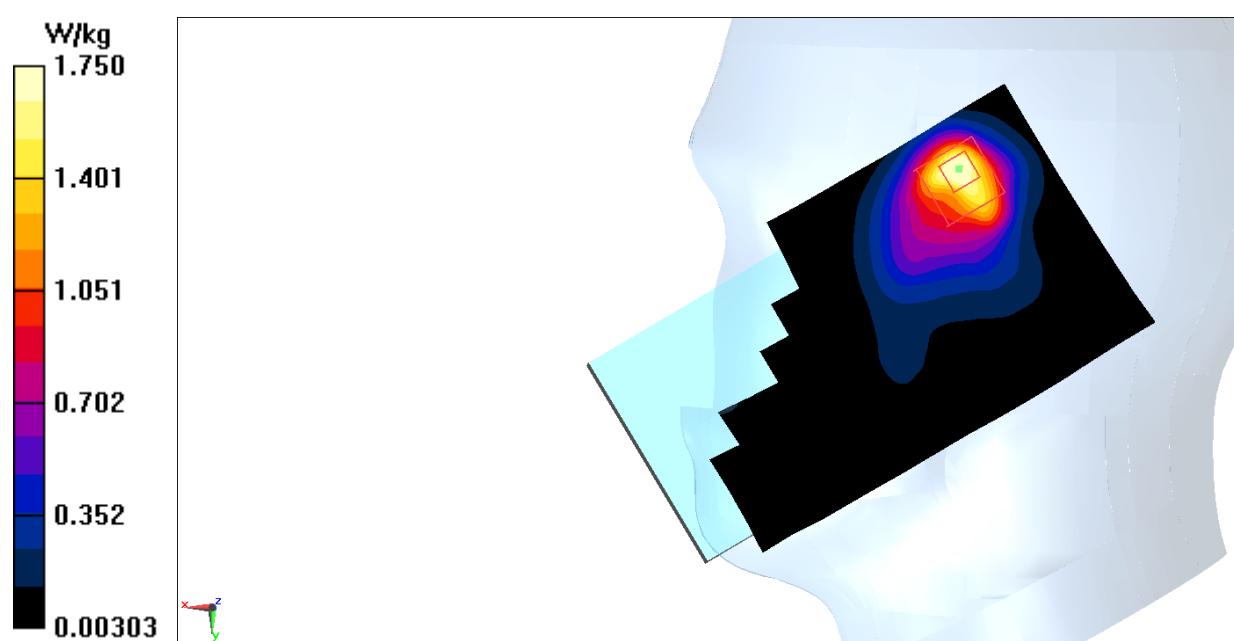
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.44 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 2.45 W/kg

**SAR(1 g) = 1.14 W/kg; SAR(10 g) = 0.567 W/kg**

Maximum value of SAR (measured) = 1.75 W/kg



**Fig.24 2450 MHz**

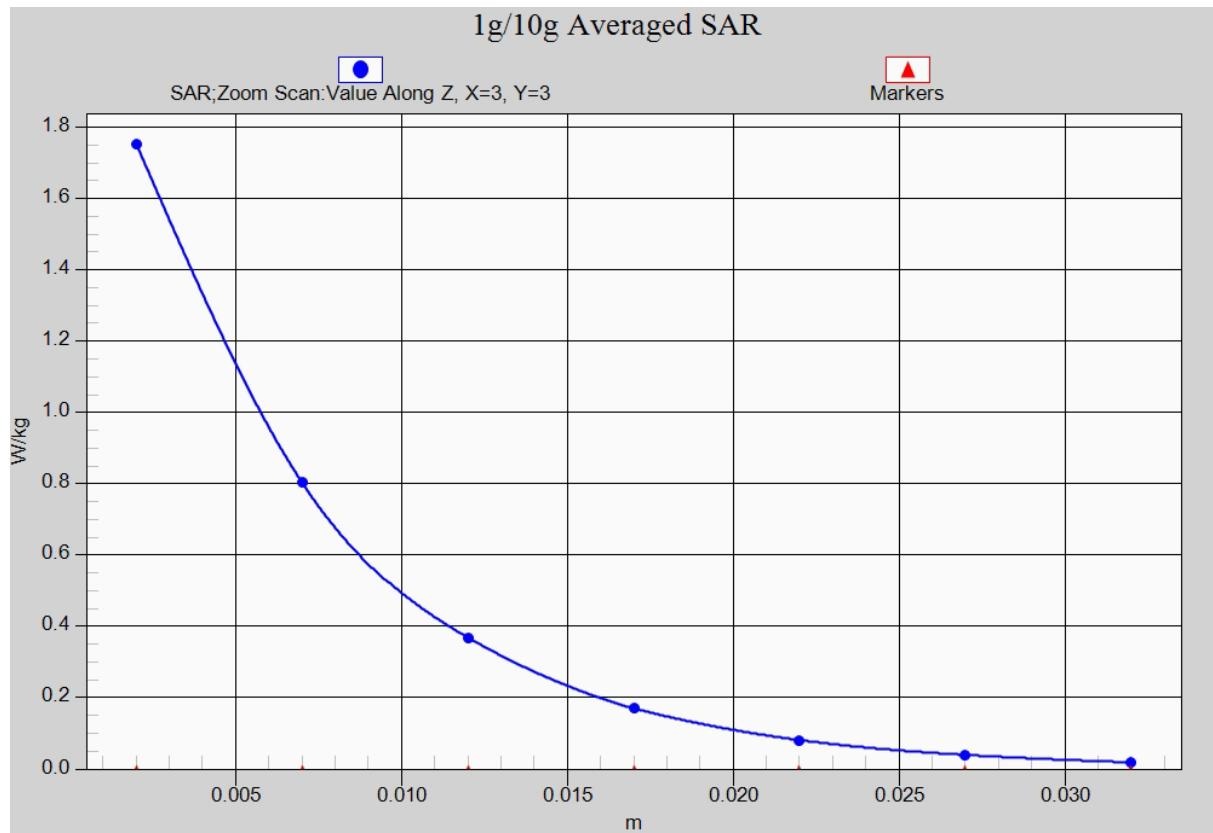


Fig. 24-1 Z-Scan at power reference point (2450 MHz)

## Wifi 802.11b Body Rear Channel 1

Date: 2015-9-17

Electronics: DAE4 Sn777

Medium: Body 2450 MHz

Medium parameters used (interpolated):  $f = 2412$  MHz;  $\sigma = 1.958$  mho/m;  $\epsilon_r = 54.449$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.0°C      Liquid Temperature: 22.5°C

Communication System: WLan 2450 Frequency: 2412 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3846 ConvF(6.90, 6.90, 6.90)

**Area Scan (131x81x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.12 W/kg

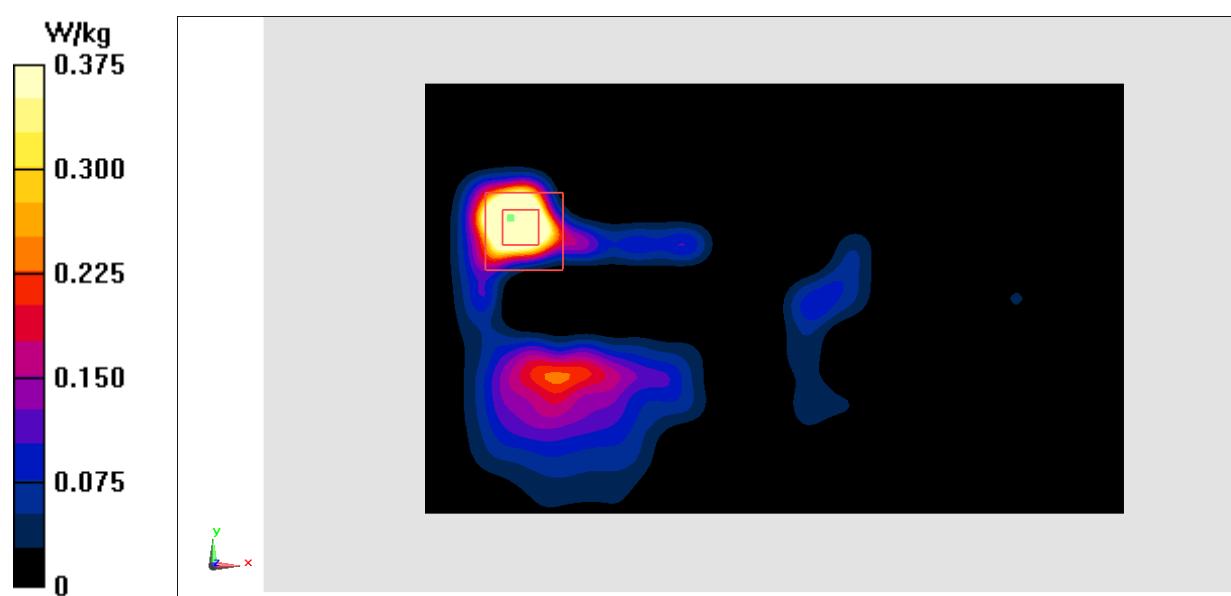
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.073 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.757 W/kg

**SAR(1 g) = 0.364 W/kg; SAR(10 g) = 0.168 W/kg**

Maximum value of SAR (measured) = 0.375 W/kg



**Fig.25 2450 MHz**