

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/m³

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

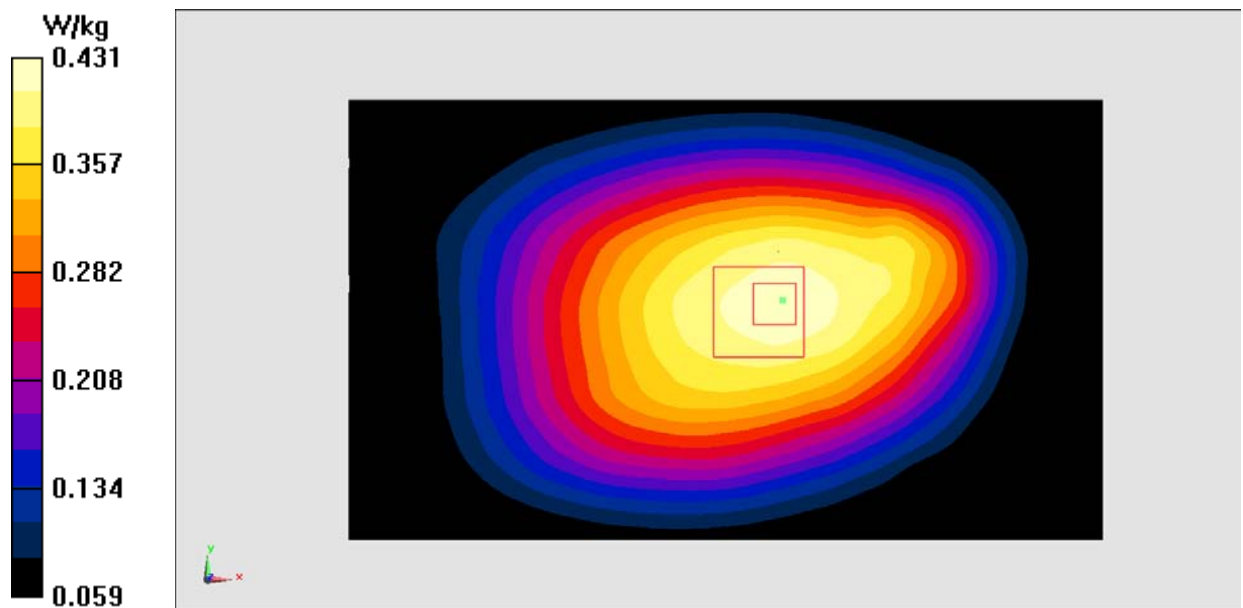


Fig.23 LTE Band17

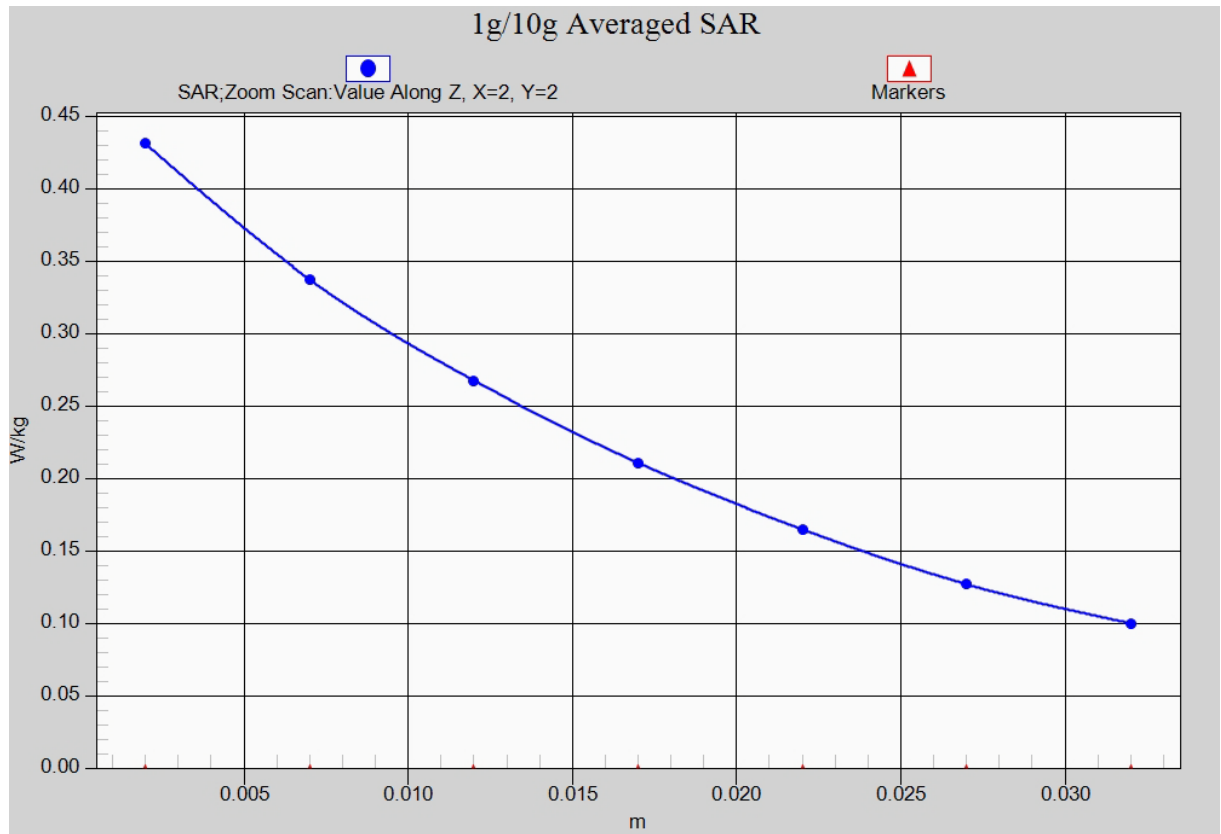


Fig. 23-1 Z-Scan at power reference point (LTE Band17)

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/m³

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

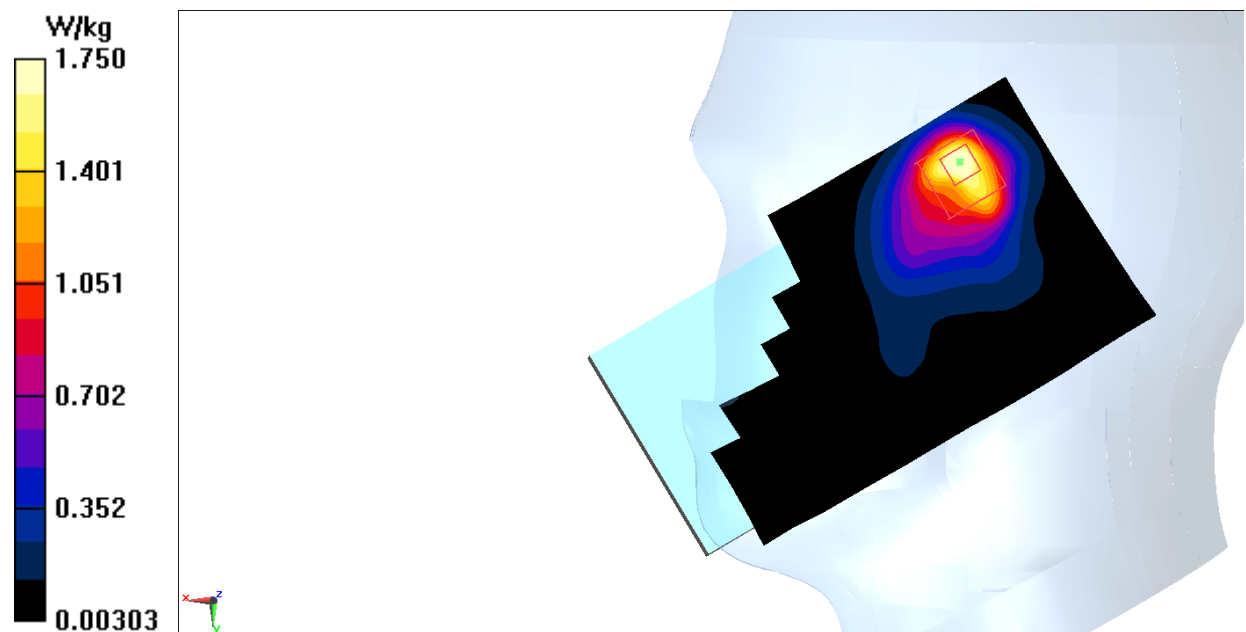


Fig.24 2450 MHz

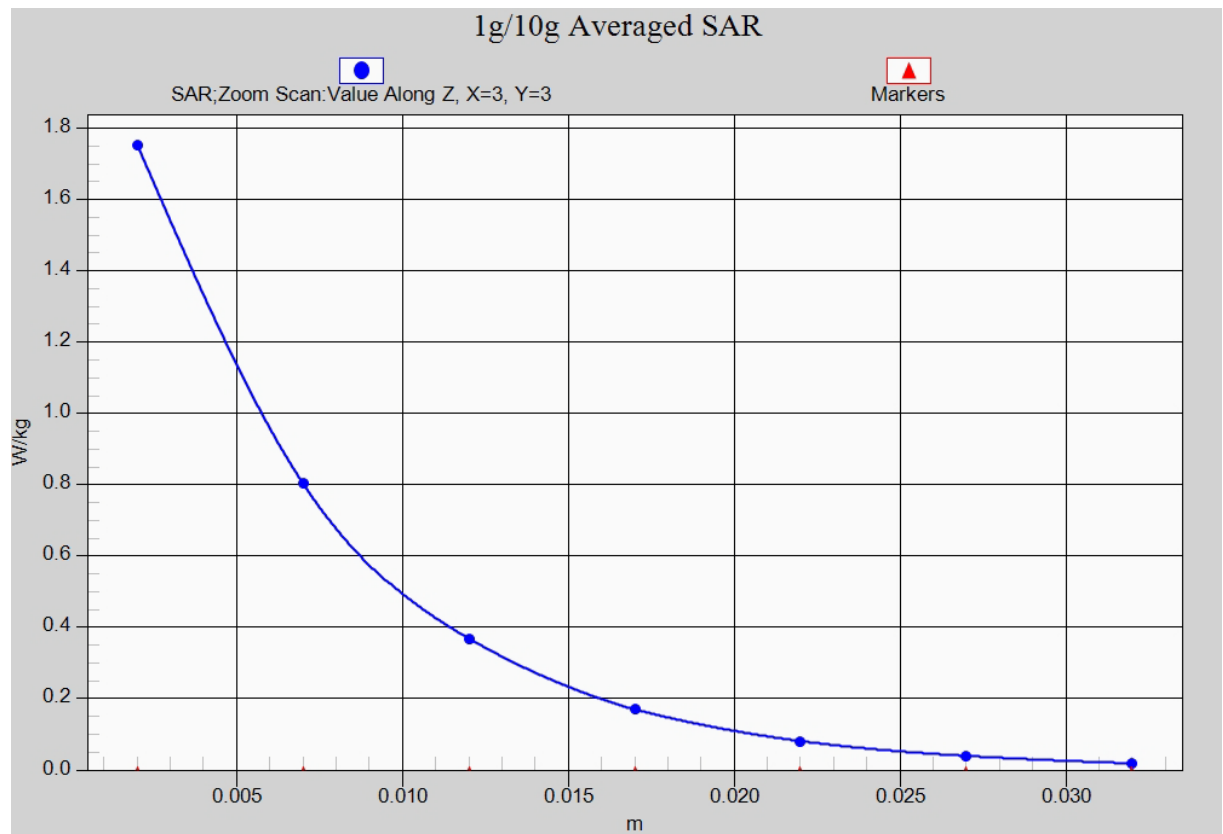


Fig. 24-1 Z-Scan at power reference point (2450 MHz)

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/m³

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

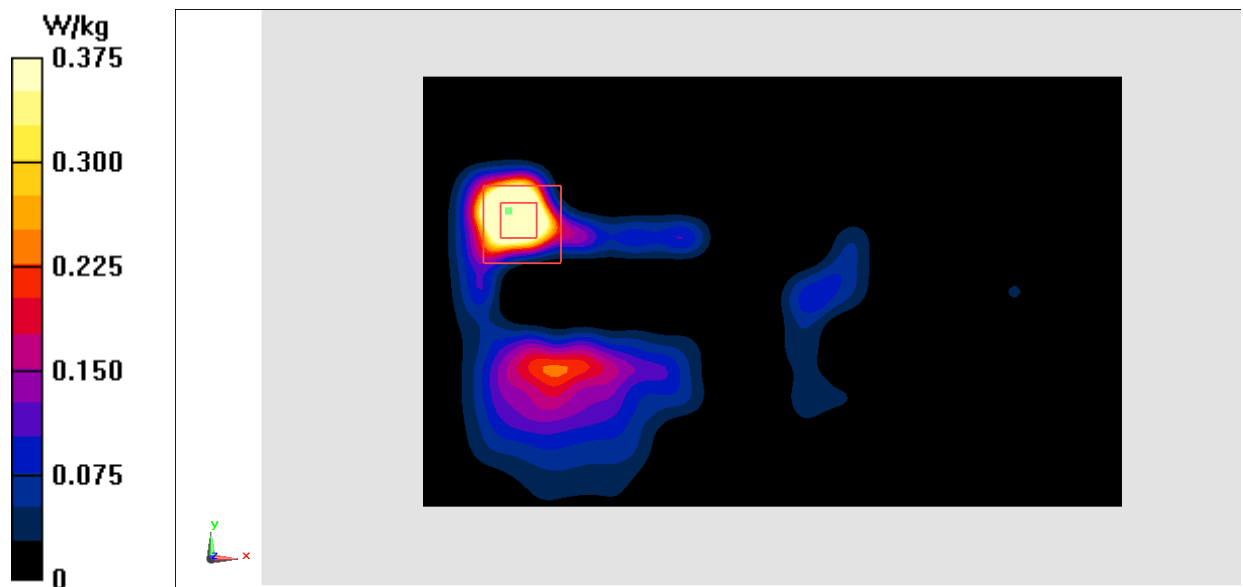


Fig.25 2450 MHz