

APPENDIX B PLOTS OF THE SAR MEASUREMENTS

Plots of the measured SAR distributions inside the phantom are given in this Appendix for all tested configurations. The spatial peak SAR values were assessed with the procedure described in this report.

Table: 2450 MHz DSSS Band SAR Measurement Plot Numbers

Test Position	Plot No.	Ant	Bit rate Mode (Mbps)	Channel Bandwidth (MHz)	Test Channel
Notebook Position	1	A	1	-	06
Z-Axis graphs for Plot 1					

Table: 2450MHz Validation Plot

Plot 2	Validation 2450 MHz 13 October 2009
Z-Axis graphs for Plot 2	



Test Date: 13 October 2009

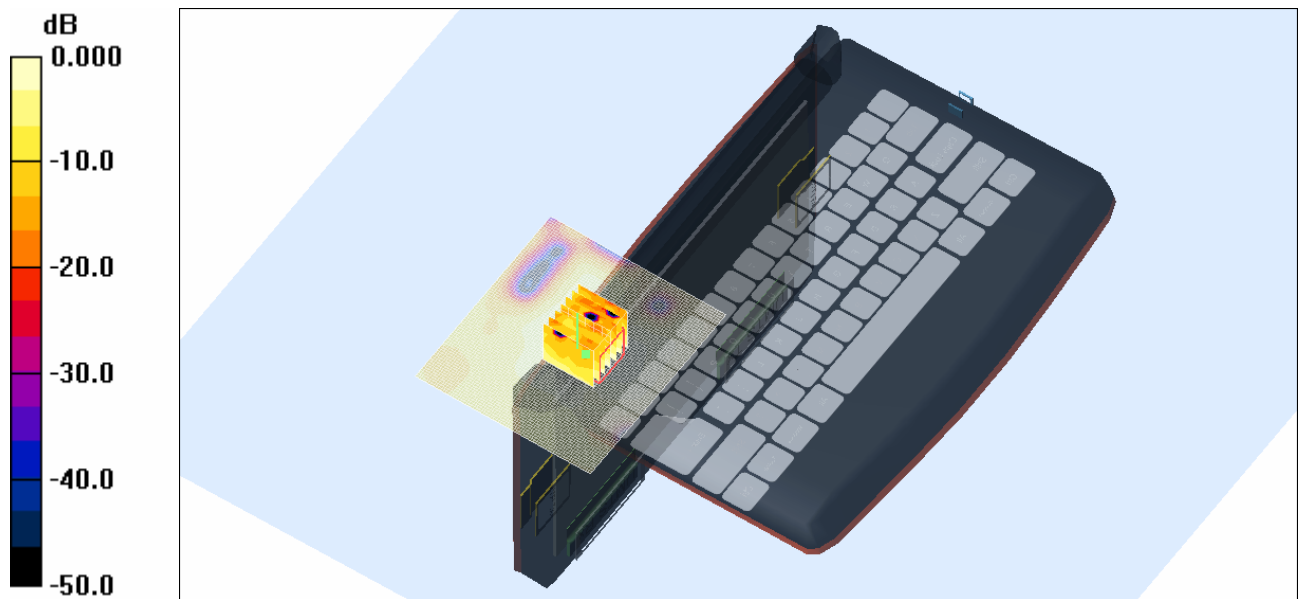
File Name: M091006 Notebook Position DSSS 2.4 GHz Antenna A (1) 10-09.da4

DUT: **Fujitsu Notebook with HB95 bgn; Type: AR5B95; Serial: ZH00000975**

- * Communication System: DSSS 2450 MHz; Frequency: 2437 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 2438 \text{ MHz}$; $\sigma = 1.98 \text{ mho/m}$; $\epsilon_r = 51.2$; $\rho = 1000 \text{ kg/m}^3$
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(3.96, 3.96, 3.96)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 6 Test 2/Area Scan (71x81x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.012 mW/g

Channel 6 Test 2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 1.47 V/m; Power Drift = -0.261 dB
 Peak SAR (extrapolated) = 0.021 W/kg
SAR(1 g) = 0.011 mW/g; SAR(10 g) = 0.00533 mW/g
 Maximum value of SAR (measured) = 0.013 mW/g

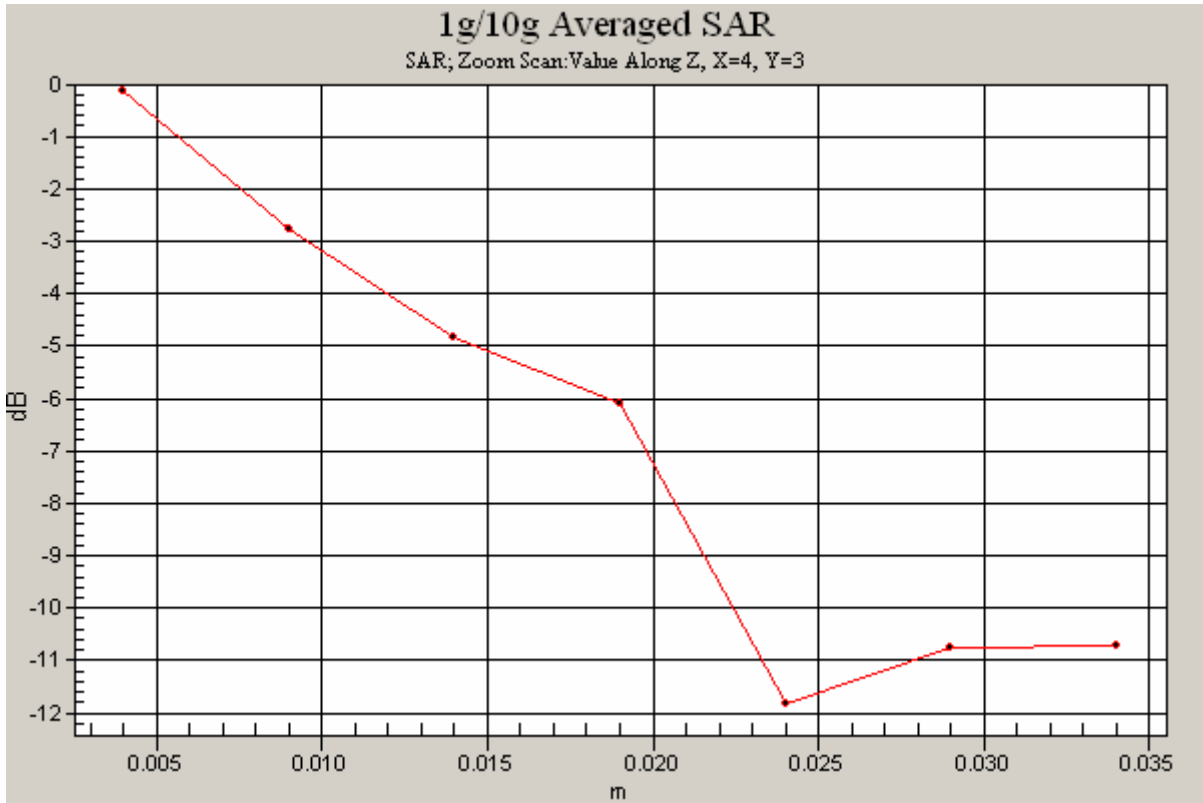


SAR MEASUREMENT PLOT 1

Ambient Temperature
 Liquid Temperature
 Humidity

20.5 Degrees Celsius
20.3 Degrees Celsius
42.0 %





Test Date: 13 October 2009

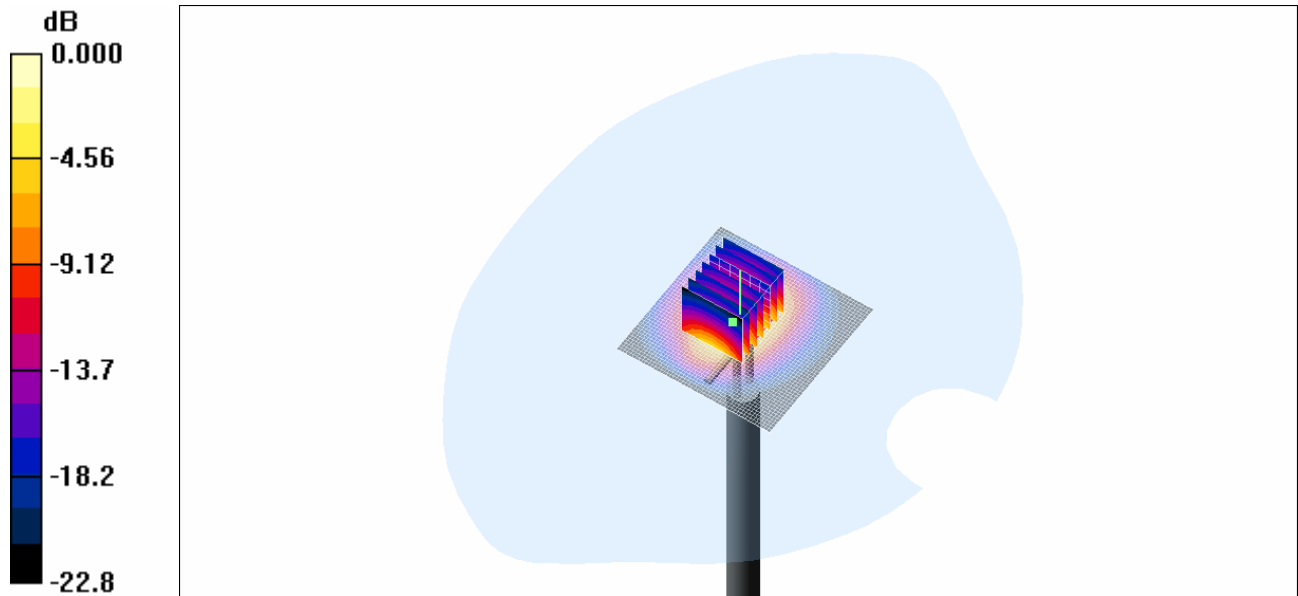
File Name: Validation 2450 MHz (DAE442 Probe1380) 13-10-09.da4

DUT: Dipole 2450 MHz; Type: DV2450V2; Serial: 724

- * Communication System: CW 2450 MHz; Frequency: 2450 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 2450$ MHz; $\sigma = 1.86$ mho/m; $\epsilon_r = 39.4$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.52, 4.52, 4.52)
- Phantom: SAM 22; Serial: 1260; Phantom section: Flat Section

Channel 1 Test/Area Scan (51x51x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 16.9 mW/g

Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 92.0 V/m; Power Drift = 0.022 dB
 Peak SAR (extrapolated) = 29.9 W/kg
SAR(1 g) = 13.5 mW/g; SAR(10 g) = 6.21 mW/g
 Maximum value of SAR (measured) = 15.1 mW/g



0 dB = 15.1mW/g

SAR MEASUREMENT PLOT 2

Ambient Temperature
 Liquid Temperature
 Humidity

20.5 Degrees Celsius
 20.3 Degrees Celsius
 42.0 %



