

8 - TEST RESULTS

This page summarizes the results of the performed dosimetric evaluation. The plots with the corresponding SAR distributions, which reveal information about the location of the maximum SAR with respect to the device could be found in the following pages.

According to the data in section 6.1, the EUT complied with the FCC 2.1093 RF Exposure standards, with worst case of **0.324**.

8.1 SAR Body-Worn Test Data

Ambient Temperature (°C): 23.0

Relative Humidity (%): 49.3

Worst case SAR reading

Antenna	EUT Position	Ch (MHz)	Conducted Power (dBm)	Worst case SAR, averaged over 1g [mW/g]			
				Setup condition (applicable checked)		Measured	Limit
				Antenna	Phantom		
BY27	1.5cm Separation with Phantom	2437	16.37	Built-in	Flat	0.140	1.6
	Face Touch Phantom	2437	16.37			0.164	1.6
	Bottom Touch Phantom	2437	16.37			0.0187	1.6
	Perpendicular to Phantom	2437	16.37			0.219	1.6
ZG1S	1.5cm Separation with Phantom	2437	16.37			0.0170	1.6
	Face Touch Phantom	2437	16.37			0.0101	1.6
	Bottom Touch Phantom	2437	16.37			0.0121	1.6
	Perpendicular to Phantom	2437	16.37			0.0017	1.6
ZI1S	1.5cm Separation with Phantom	2437	16.37			0.0514	1.6
	Face Touch Phantom	2437	16.37			0.324	1.6
	Bottom Touch Phantom	2437	16.37			0.0535	1.6
	Perpendicular to Phantom	2437	16.37			0.0094	1.6

8.2 Plots of Test Result

The plots of test result were attached as reference.

Ambit, T60H677 (Body, Flat, BY27, 1.5 cm separation with phantom, 23 Deg. C, 2/18/03)

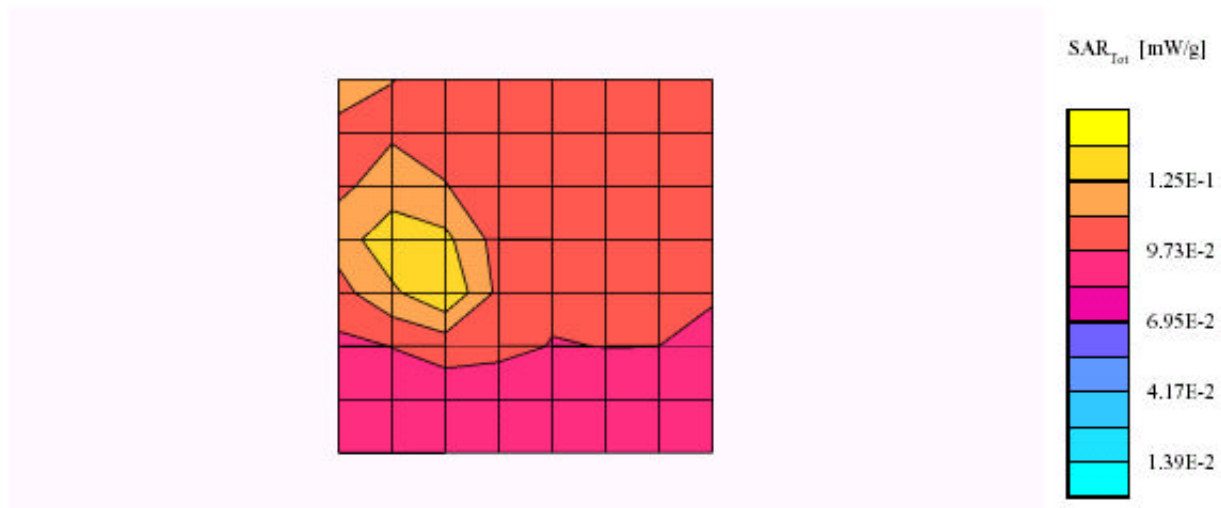
SAM Phantom; Section; Position: ; Frequency: 2437 MHz

Probe: ET3DV6 - SN1604; ConvF(4.30,4.30,4.30); Crest factor: 1.0; 2450: $\sigma = 1.93 \text{ mho/m}$, $\epsilon_r = 51.5$, $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.140 mW/g, SAR (10g): 0.121 mW/g, (Worst-case extrapolation)

Coarse: Dx = 16.0, Dy = 16.0, Dz = 11.0

Powerdrift: -0.15 dB



Ambit, T60H677 (Body, Flat, BY27 , front touching phantom, 23 Deg. C, 2/18/03)

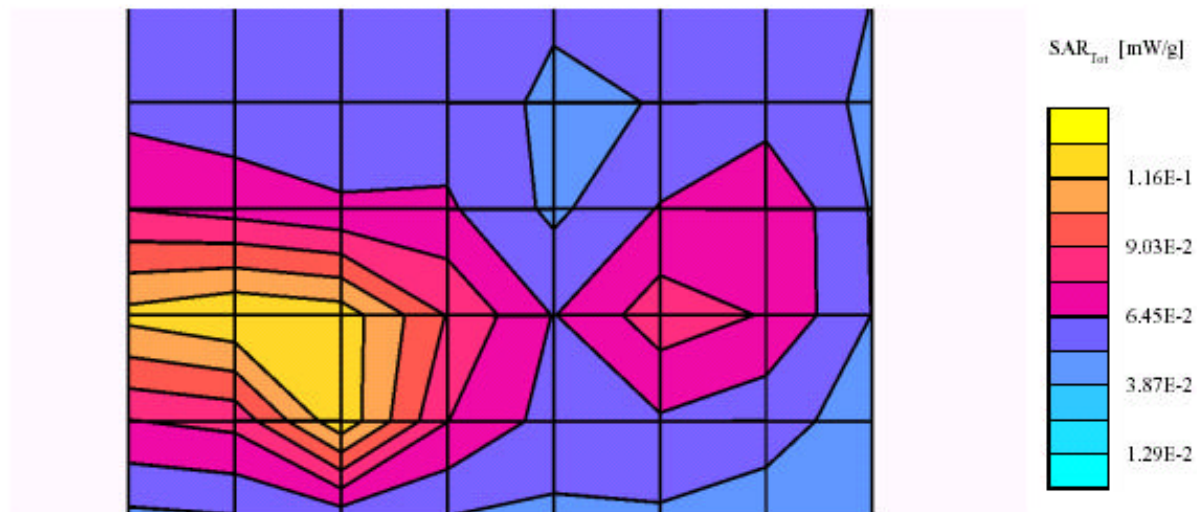
SAM Phantom; Section; Position: ; Frequency: 2437MHz

Probe: ET3DV6 - SN1604; ConvF(4.30,4.30,4.30); Crest factor: 1.0; 2450: $\sigma = 1.93 \text{ mho/m}$, $\epsilon_r = 51.5$, $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.164 mW/g, SAR (10g): 0.0986 mW/g, (Worst-case extrapolation)

Coarse: Dx = 16.0, Dy = 16.0, Dz = 11.0

Powerdrift: -0.12 dB



Ambit, T60H677 (Body, Flat, BY27 , bottom touching phantom, 23 Deg. C, 2/18/03)

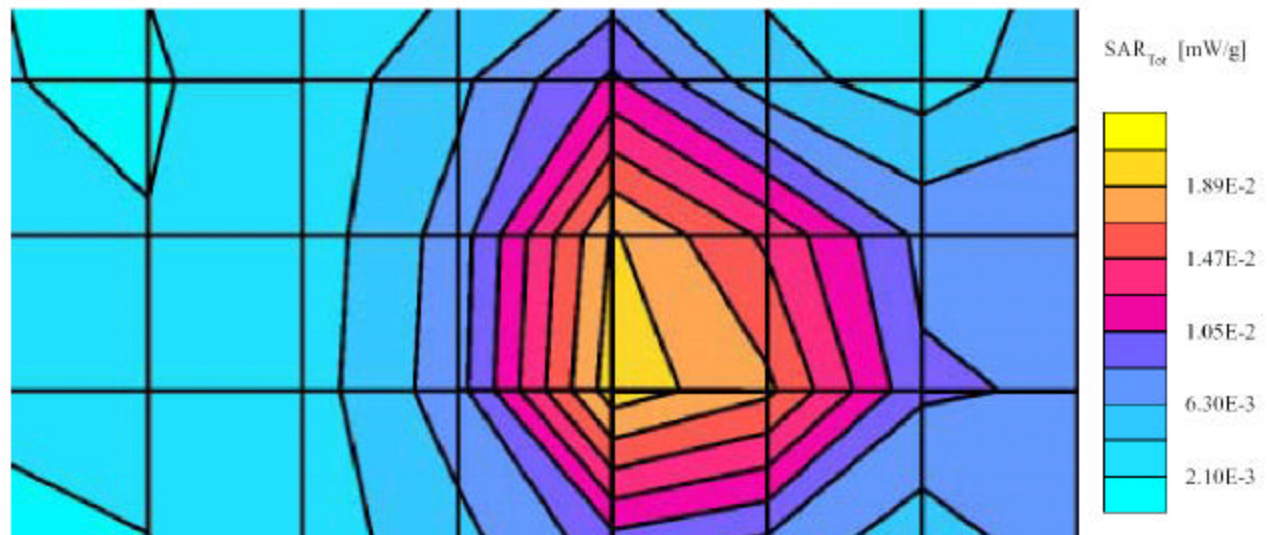
SAM Phantom; Section; Position: ; Frequency: 2437 MHz

Probe: ET3DV6 - SN1604; ConvF(4.30,4.30,4.30); Crest factor: 1.0; 2450: $\sigma = 1.93 \text{ mho/m}$ $\epsilon_r = 51.5$ $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.0187 mW/g, SAR (10g): 0.0108 mW/g, (Worst-case extrapolation)

Coarse: Dx = 16.0, Dy = 16.0, Dz = 11.0

Powerdrift: -0.21 dB



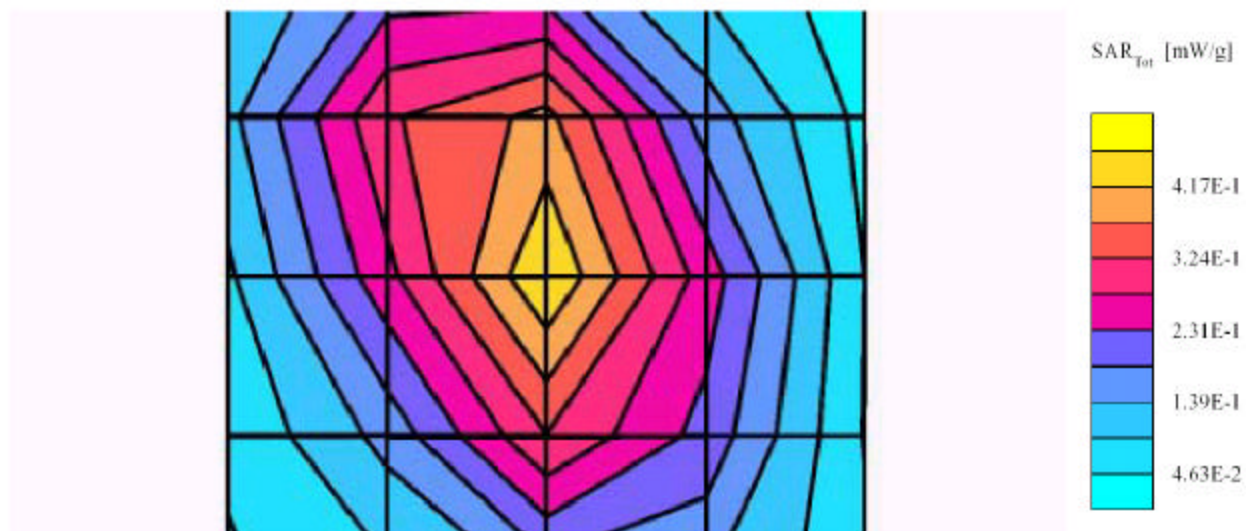
Ambit, T60H677 (Body, Flat, BY27 , perpendicular with phantom, 23 Deg. C, 2/18/03)

SAM Phantom; Section; Position: ; Frequency: 2437 MHz

Probe: ET3DV6 - SN1604; ConvF(4.30,4.30,4.30); Crest factor: 1.0; 2450; $\sigma = 1.93 \text{ mho/m}$; $\epsilon_r = 51.5$; $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7; SAR (1g): 0.219 mW/g, SAR (10g): 0.0992 mW/g, (Worst-case extrapolation)

Cube 5x5x7; Dx = 8.0, Dy = 8.0, Dz = 5.0



Ambit , T60H677 (Body, Flat, ZG1S, antenna 1.5 cm seperation with phantom, 23 Deg.C,
2/19/2003)

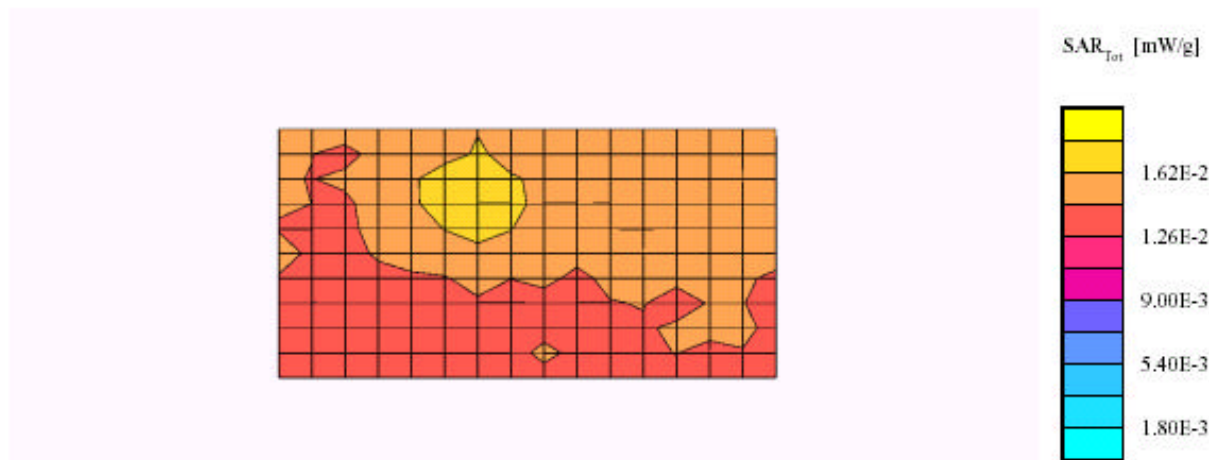
SAM Phantom; Section; Position: ; Frequency: 2437 MHz

Probe: ET3DV6 - SN1604; ConvF(4.30,4.30,4.30); Crest factor: 1.0; Body 2450 MHz: $\sigma = 1.93 \text{ mho/m}$, $\epsilon_r = 51.5$, $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.0170 mW/g, SAR (10g): 0.0164 mW/g, (Worst-case extrapolation)

Coarse: Dx = 9.0, Dy = 12.0, Dz = 10.0

Powerdrift: -0.12 dB



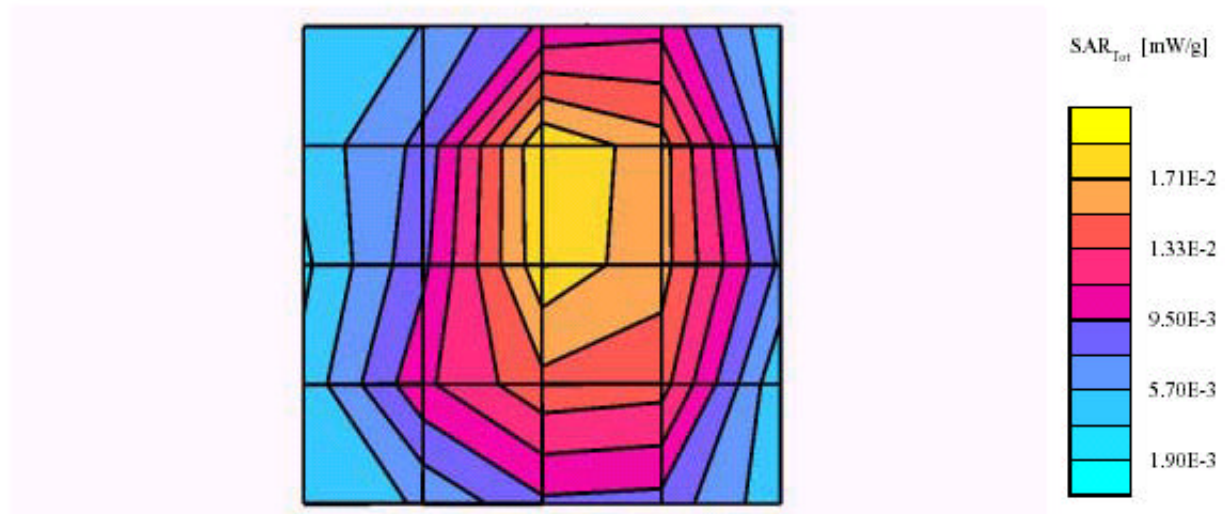
Ambit , T60H677 (Body, Flat, ZG1S, front touching phantom, 23 Deg.C, 2/19/2003)

SAM Phantom; Section; Position: ; Frequency: 2437 MHz

Probe: ET3DV6 - SN1604; ConvF(4.30,4.30,4.30); Crest factor: 1.0; Body 2450 MHz: $\sigma = 1.93 \text{ mho/m}$, $\epsilon_r = 51.5$, $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.0101 mW/g, SAR (10g): 0.0049 mW/g, (Worst-case extrapolation)

Cube 5x5x7: Dx = 8.0, Dy = 8.0, Dz = 5.0



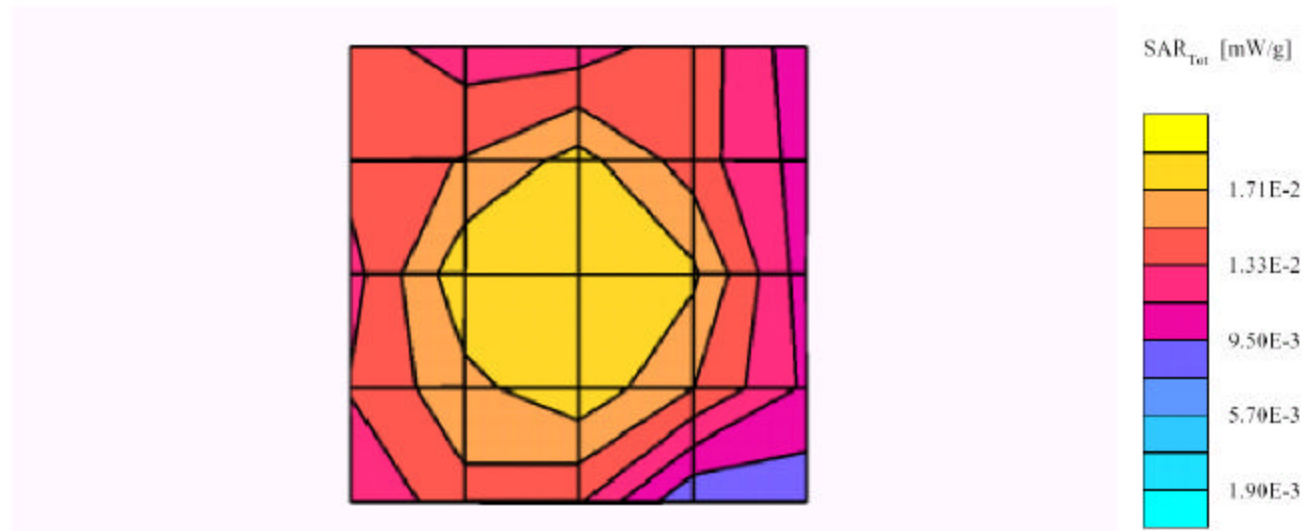
Ambit , T60H677 (Body, Flat, ZGIS, bottom touching phantom, 23 Deg.C, 2/19/2003)

SAM Phantom: Section; Position: ; Frequency: 2437 MHz

Probe: ET3DV6 - SN1604; ConvF(4.30,4.30,4.30); Crest factor: 1.0; Body 2450 MHz: $\sigma = 1.93 \text{ mho/m}$, $\epsilon_r = 51.5$, $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.0121 mW/g, SAR (10g): 0.0093 mW/g, (Worst-case extrapolation)

Cube 5x5x7: Dx = 8.0, Dy = 8.0, Dz = 5.0



Ambit, T60H677 (Body, Flat, ZG1S, perpendicular with phantom, 23 Deg. C, 2/18/03)

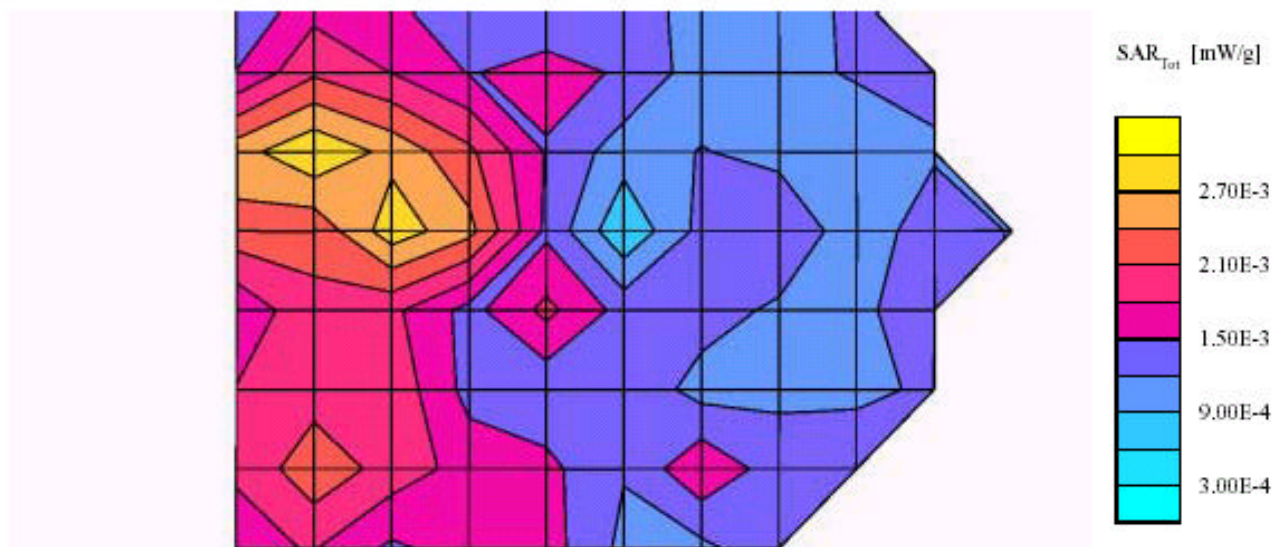
SAM Phantom; Section; Position: ; Frequency: 2437 MHz

Probe: ET3DV6 - SN1604; ConvF(4.30,4.30,4.30); Crest factor: 1.0; Body 2450 MHz: $\sigma = 1.93 \text{ mho/m}$, $\epsilon_r = 51.5$, $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.0017 mW/g, SAR (10g): 0.0015 mW/g, (Worst-case extrapolation)

Coarse: Dx = 17.0, Dy = 17.0, Dz = 14.0

Powerdrift: 0.51 dB



Z11S, T60H677 (Body, Flat, Z11S, antenna 1.5 cm separation with phantom, 23 Deg.C,
2/19/03)

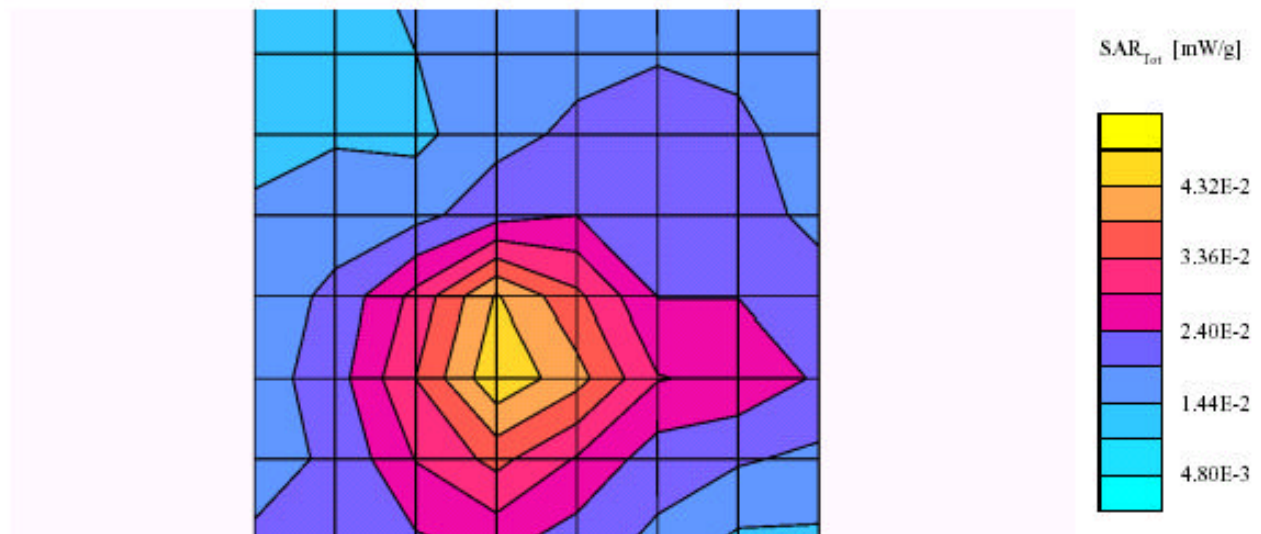
SAM Phantom; Section; Frequency: 2437 MHz

Probe: ET3DV6 - SN1604; ConvF(4.30,4.30,4.30); Crest factor: 1.0; 2450: $\sigma = 1.93 \text{ mho/m}$, $\epsilon_r = 51.5$, $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.0514 mW/g, SAR (10g): 0.0335 mW/g, (Worst-case extrapolation)

Coarse: Dx = 17.0, Dy = 17.0, Dz = 11.0

Powerdrift: -0.18 dB



Ambit, T60H677 (Body, Flat, ZIIS, front touching phantom, 23 Deg. C, 2/19/03)

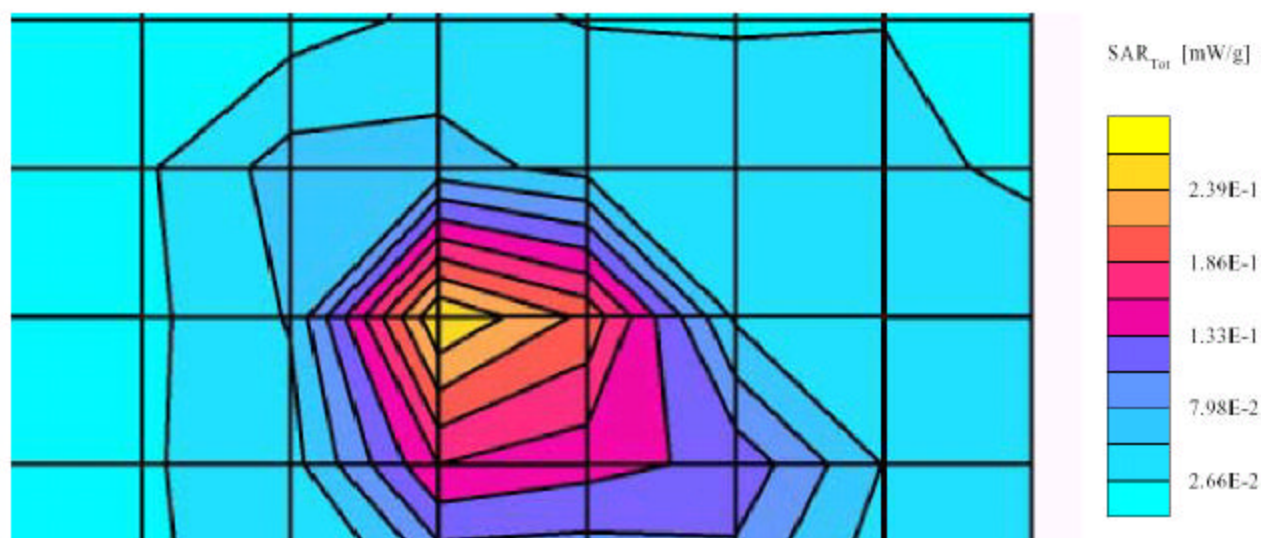
SAM Phantom: Section; Position: ; Frequency: 2437 MHz

Probe: ET3DV6 - SN1604; ConvF(4.30,4.30,4.30); Crest factor: 1.0; 2450: $\sigma = 1.93 \text{ mho/m}$ $\epsilon_r = 51.5$ $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7; SAR (1g): 0.324 mW/g, SAR (10g): 0.160 mW/g, (Worst-case extrapolation)

Coarse: Dx = 17.0, Dy = 17.0, Dz = 11.0

Powerdrift: -0.05 dB



Ambit, T60H677 (Body, Flat, ZIIS, bottom touching phantom, 23 Deg.C, 2/19/03)

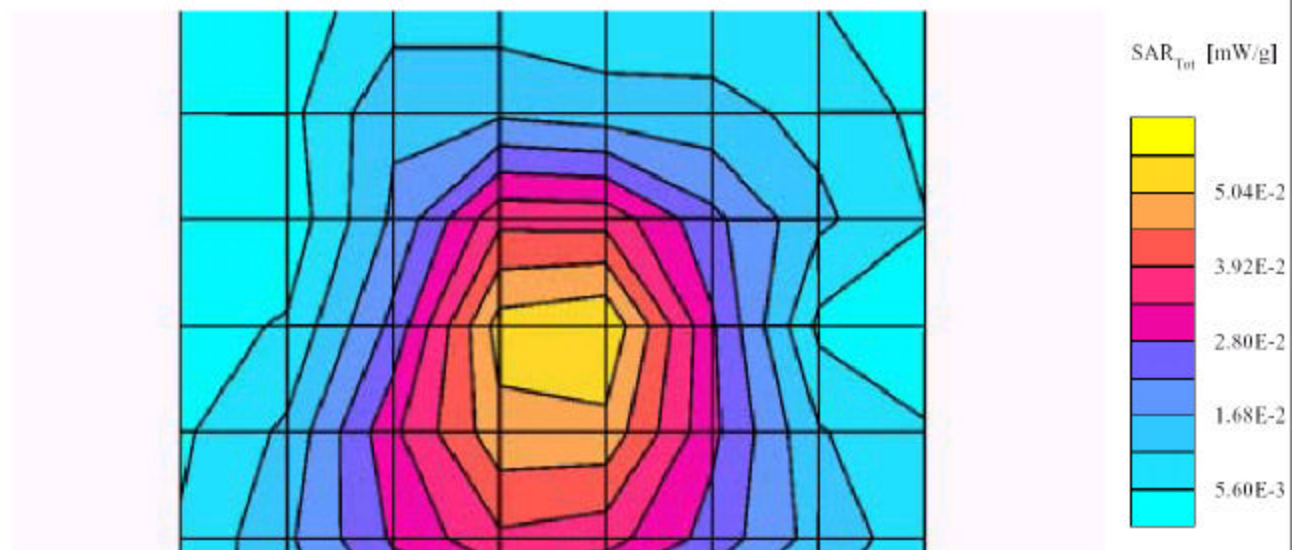
SAM Phantom; Flat Section; Frequency: 2437 MHz

Probe: ET3DV6 - SN1604; ConvF(4.30,4.30,4.30); Crest factor: 1.0; 2450: $\sigma = 1.93 \text{ mho/m}$ $\epsilon_r = 51.5$ $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.0535 mW/g, SAR (10g): 0.0310 mW/g, (Worst-case extrapolation)

Coarse: Dx = 17.0, Dy = 17.0, Dz = 11.0

Powerdrift: -0.08 dB



ZIIS, T60H677 (Body, Flat, ZIIS, antenna perpendicular with phantom, 23 Deg.C, 2/19/03)

SAM Phantom; Section; Frequency: 2437 MHz

Probe: ET3DV6 - SN1604; ConvF(4.30,4.30,4.30); Crest factor: 1.0; 2450: $\sigma = 1.93 \text{ mho/m}$, $\epsilon_r = 51.5$, $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.0094 mW/g, SAR (10g): 0.0059 mW/g, (Worst-case extrapolation)

Coarse: Dx = 12.0, Dy = 12.0, Dz = 10.0

Powerdrift: 0.40 dB

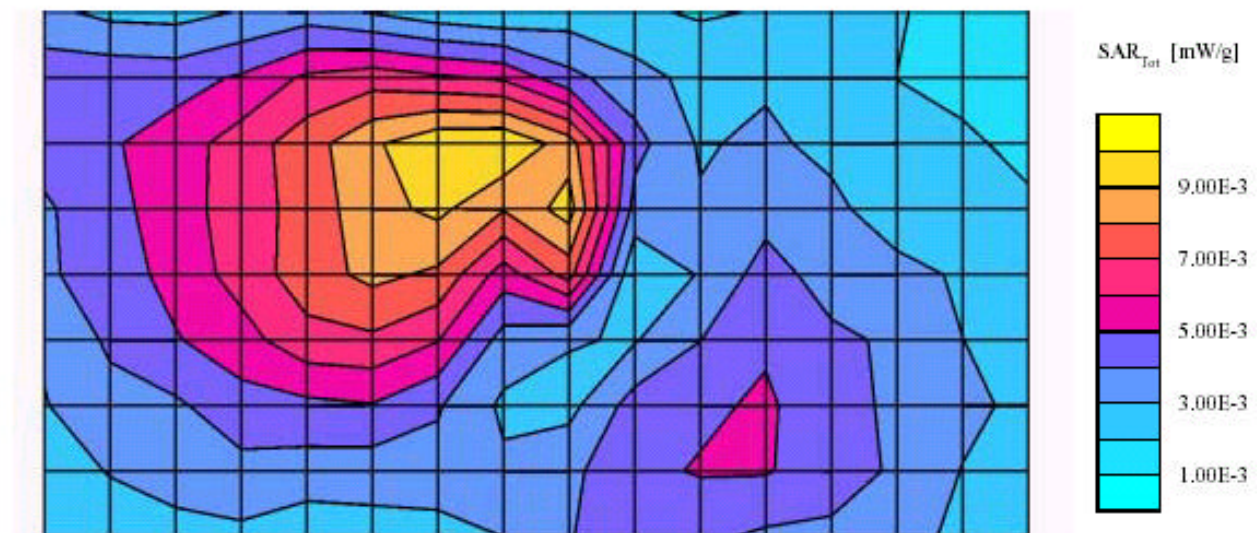
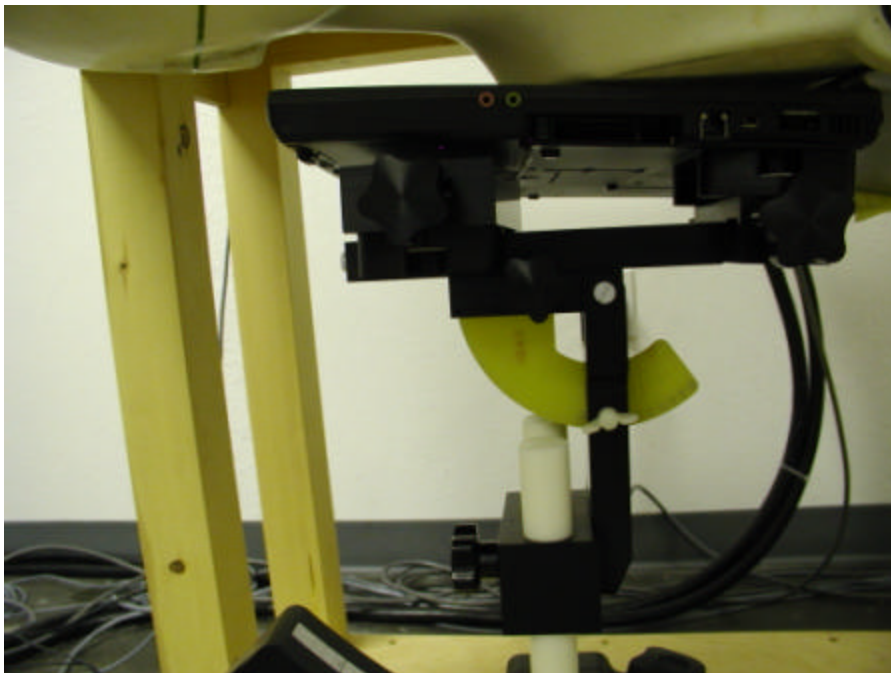


EXHIBIT A - SAR SETUP PHOTOGRAPHS

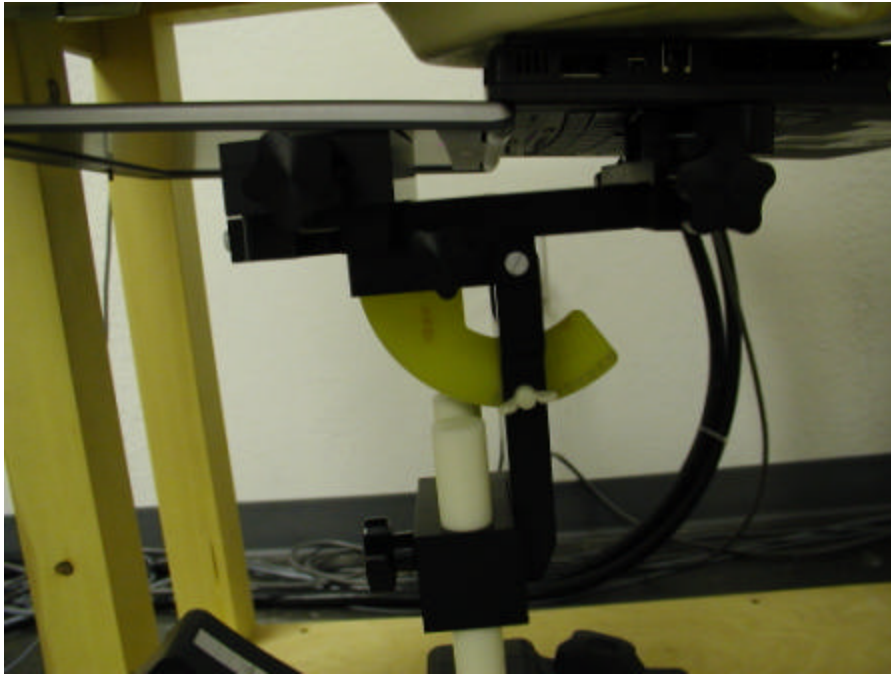
1.5cm Separation View, with Antenna BY27



Parallel View, Front Touching Phantom, with Antenna BY27



Parallel View, Bottom Touching Phantom, with Antenna BY27



Perpendicular View, with Antenna BY27



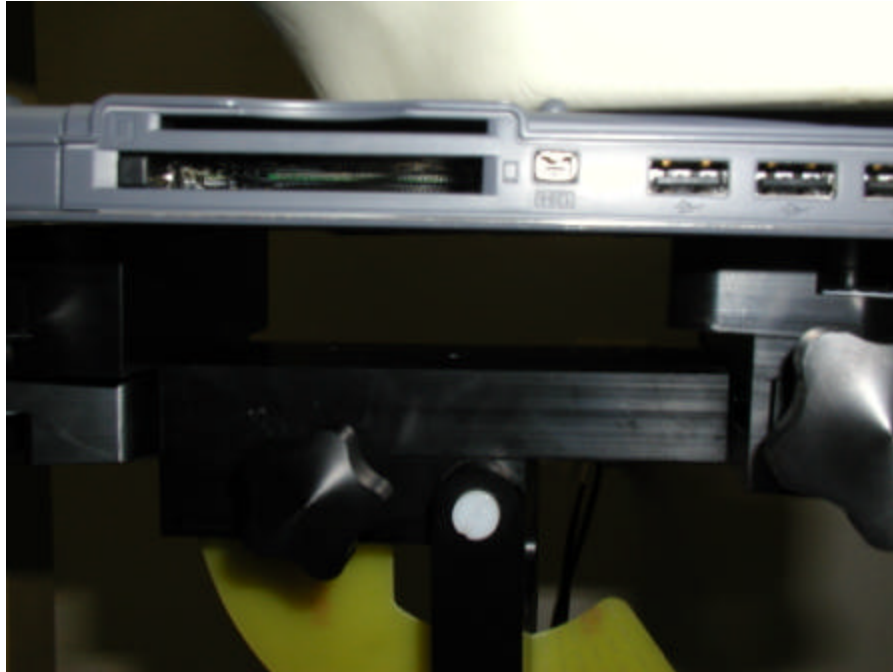
1.5cm Separation View, with Antenna ZG1S



Parallel View, Front Touching Phantom, with Antenna ZG1S



Parallel View, Bottom Touching Phantom, with Antenna ZG1S



Perpendicular View, with Antenna ZG1S



1.5cm Separation View, with Antenna ZI1S



Parallel View, Front Touching Phantom, with Antenna ZI1S



Parallel View, Bottom Touching Phantom, with Antenna ZI1S

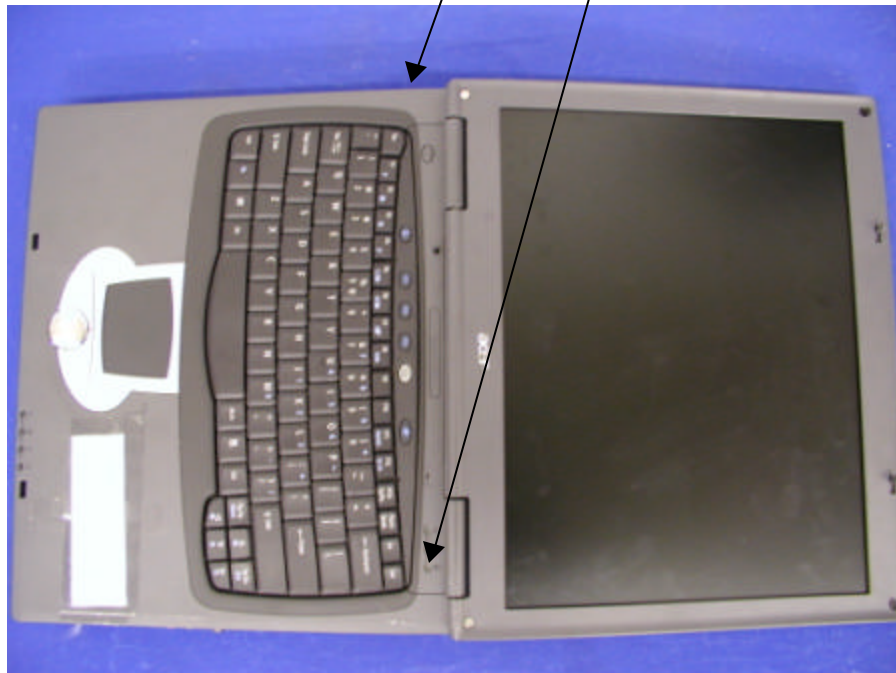


Perpendicular View, with Antenna ZI1S



Front View, with Antenna

BY27 / Hot Spot



Front View, with Antenna ZG1S / Hot Spot

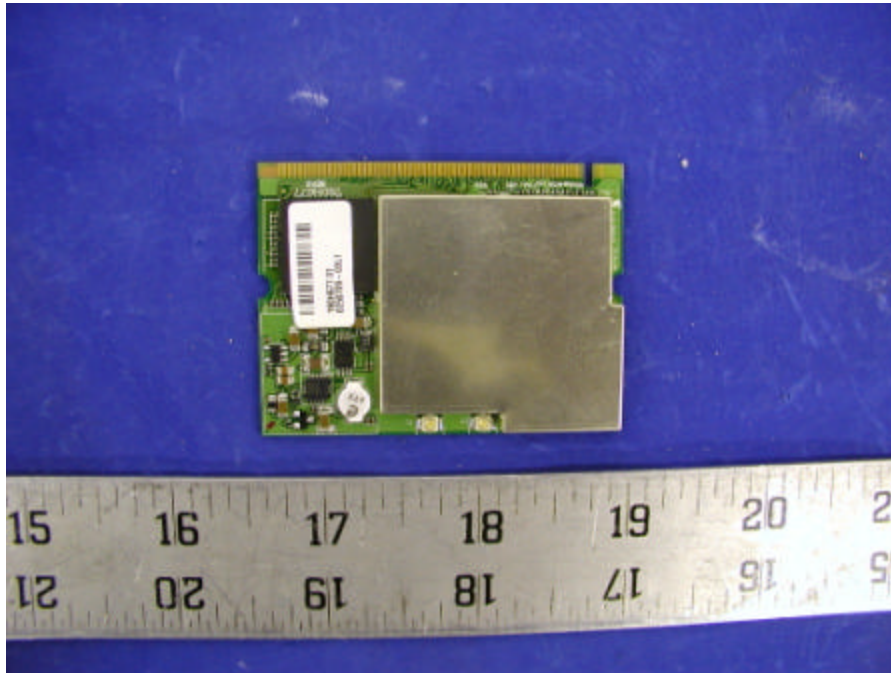


Front View, with Antenna ZI1S / Hot Spot

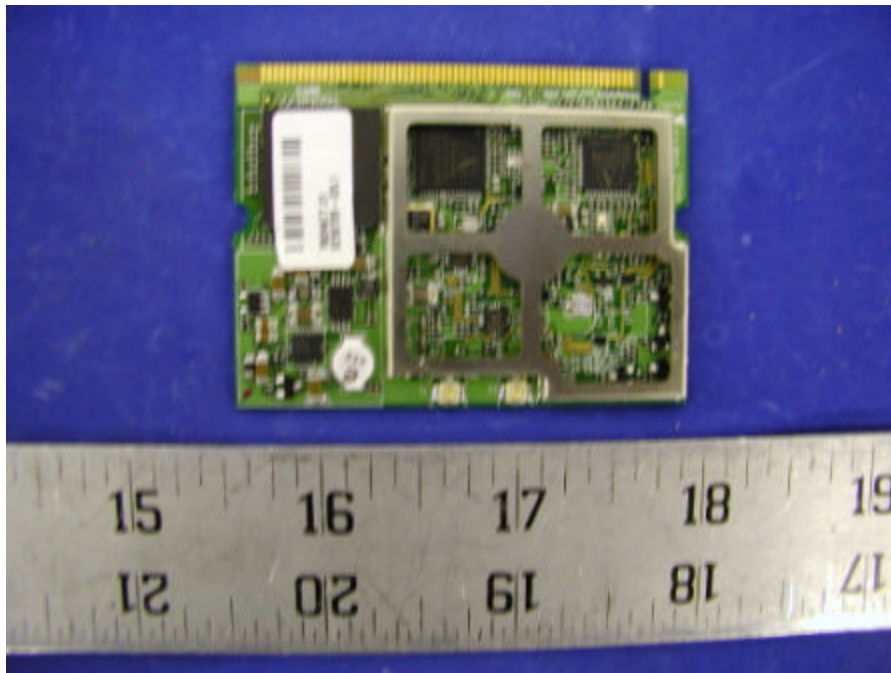


EXHIBIT B - EUT PHOTOGRAPHS

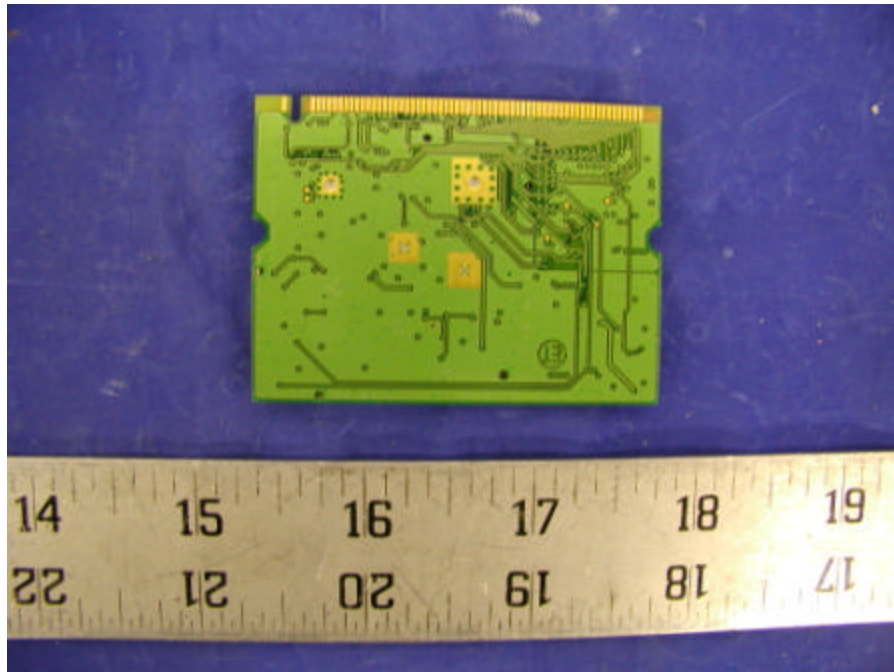
EUT – Top View



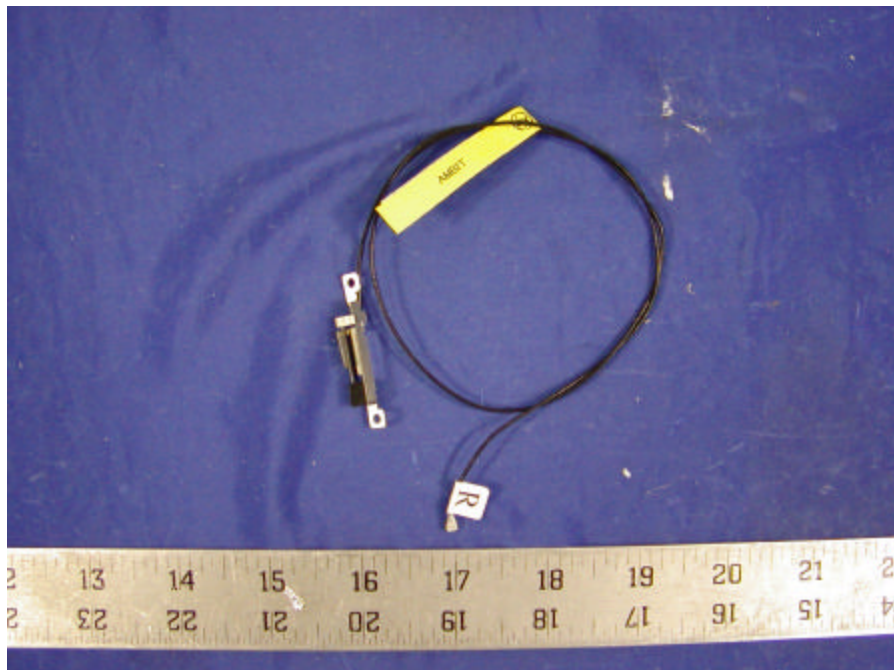
EUT – Cover Removed View



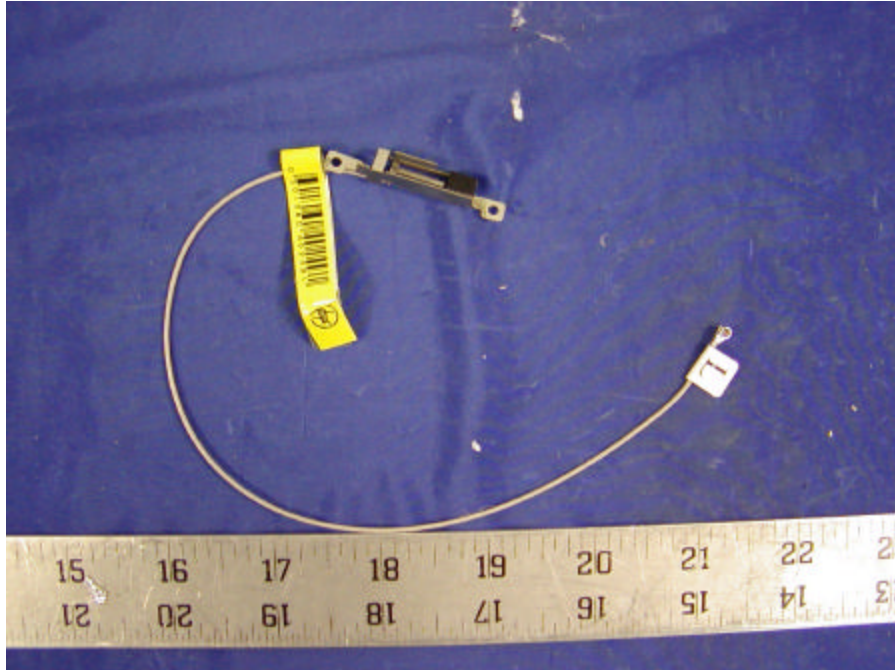
EUT – Solder View



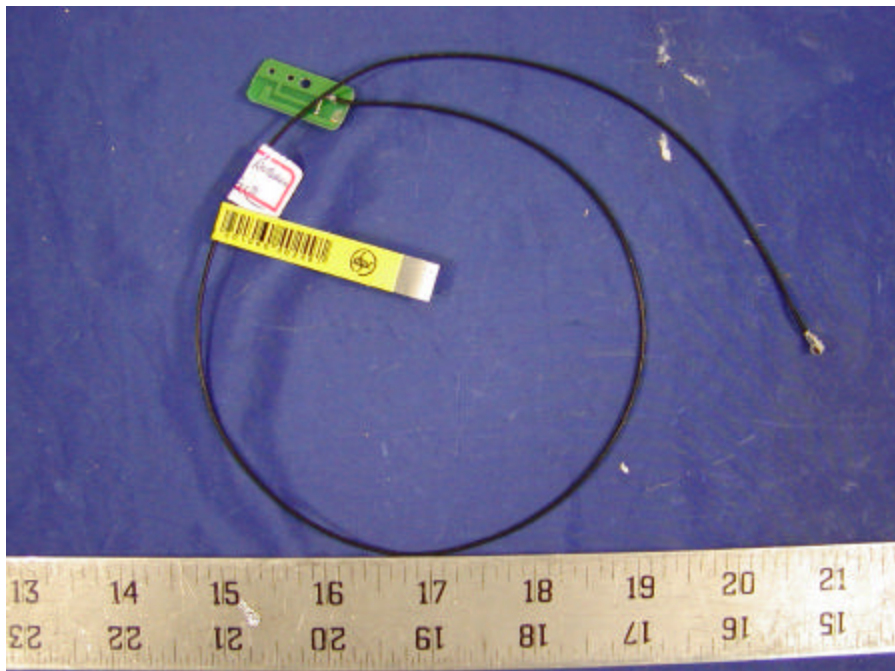
BY27 Antenna Right View



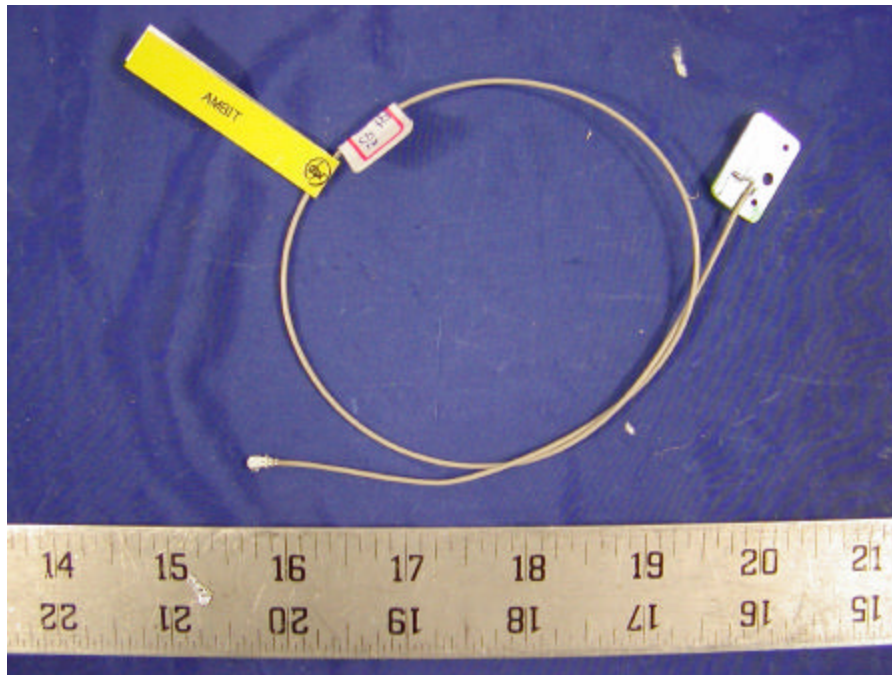
BY27 Antenna Left View



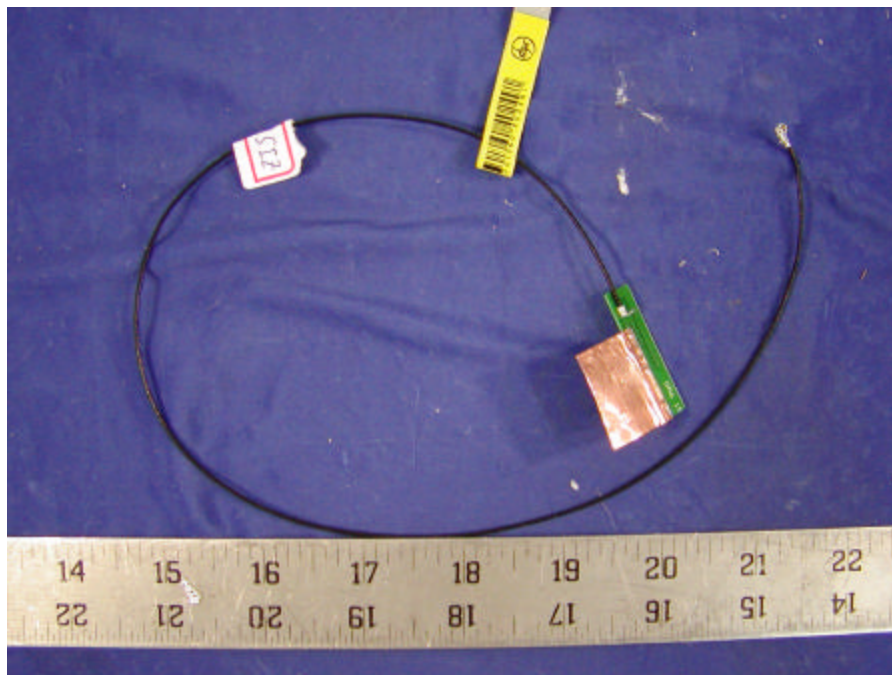
ZG1S Antenna Right View



ZG1S Antenna Left View



ZI1S Antenna Right View



ZI1S Antenna Left View

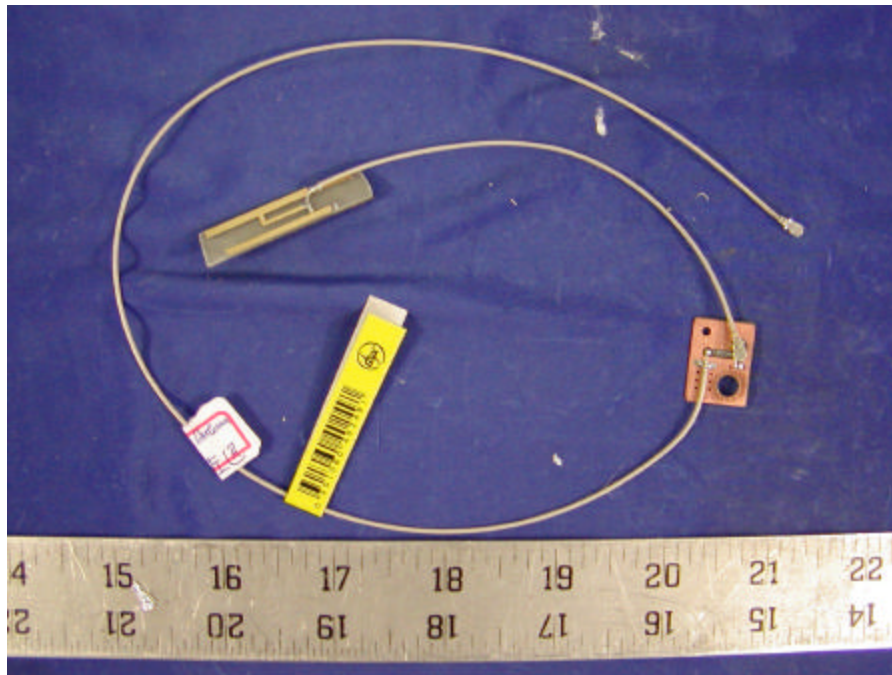


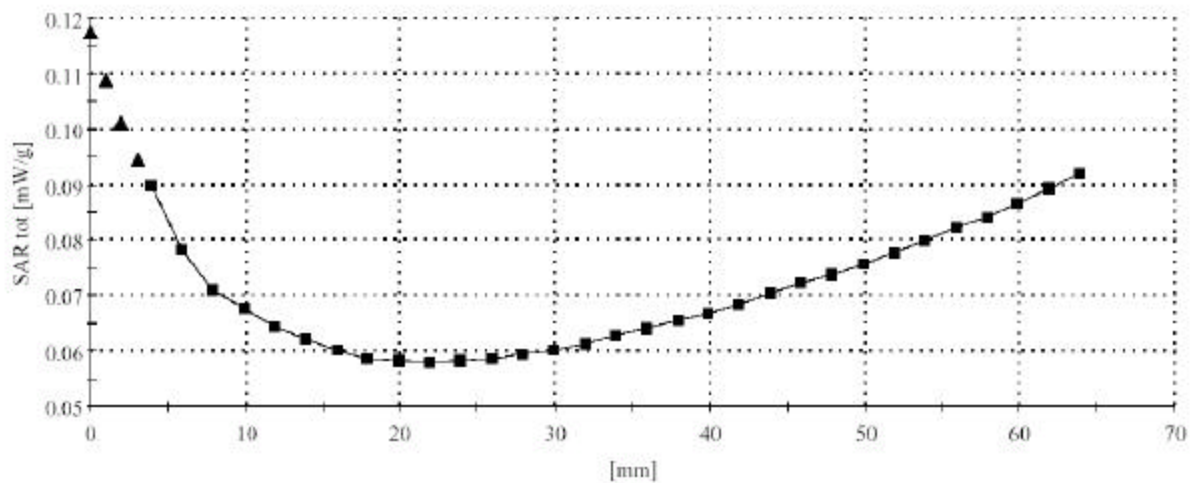
EXHIBIT C – Z-Axis

Ambit, T60H677 (Body, Flat, BY27 , face touching phantom, 23 Deg. C, 2/18/03)

SAM Phantom: Section; Position: ; Frequency: 2437 MHz

Probe: ET3DV6 - SN1604; ConvF(4.30,4.30,4.30); Crest factor: 1.0; 2450: $\sigma = 1.93 \text{ mho/m}$ $\epsilon_r = 51.5$ $\rho = 1.00 \text{ g/cm}^3$
 $\therefore, ()$

Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 2.0

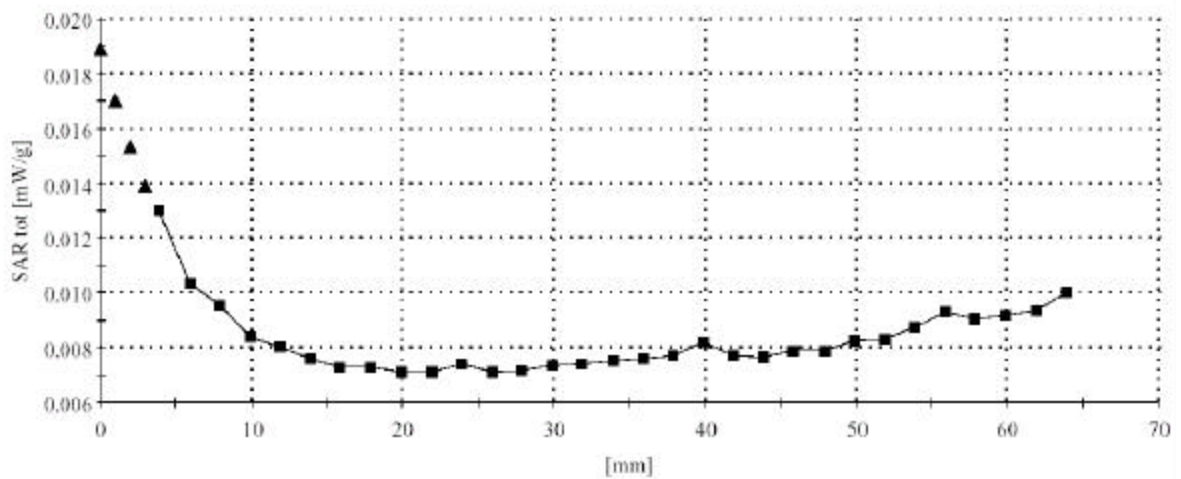


Ambit , T60H677 (Body, Flat, ZG1S, Bottom Touching phantom, 23 Deg.C, 2/19/2003)

SAM Phantom; Section; Position; Frequency: 2437 MHz

Probe: ET3DV6 - SN1604; ConvF(4.30,4.30,4.30); Crest factor: 1.0; Body 2450 MHz: $\sigma = 1.93 \text{ mho/m}$ $\epsilon_r = 51.5$ $\rho = 1.00 \text{ g/cm}^3$
 : , 0

Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 2.0



Ambit, T60H677 (Body, Flat, ZIIS, face touching phantom, 23 Deg.C, 2/19/03)

SAM Phantom; Section; Frequency: 2437 MHz

Probe: ET3DV6 - SN1604; ConvF(4.30,4.30,4.30); Crest factor: 1.0; 2450: $\sigma = 1.93 \text{ mho/m}$ $\epsilon_r = 51.5$ $\rho = 1.00 \text{ g/cm}^3$

; 0

Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 2.0

