

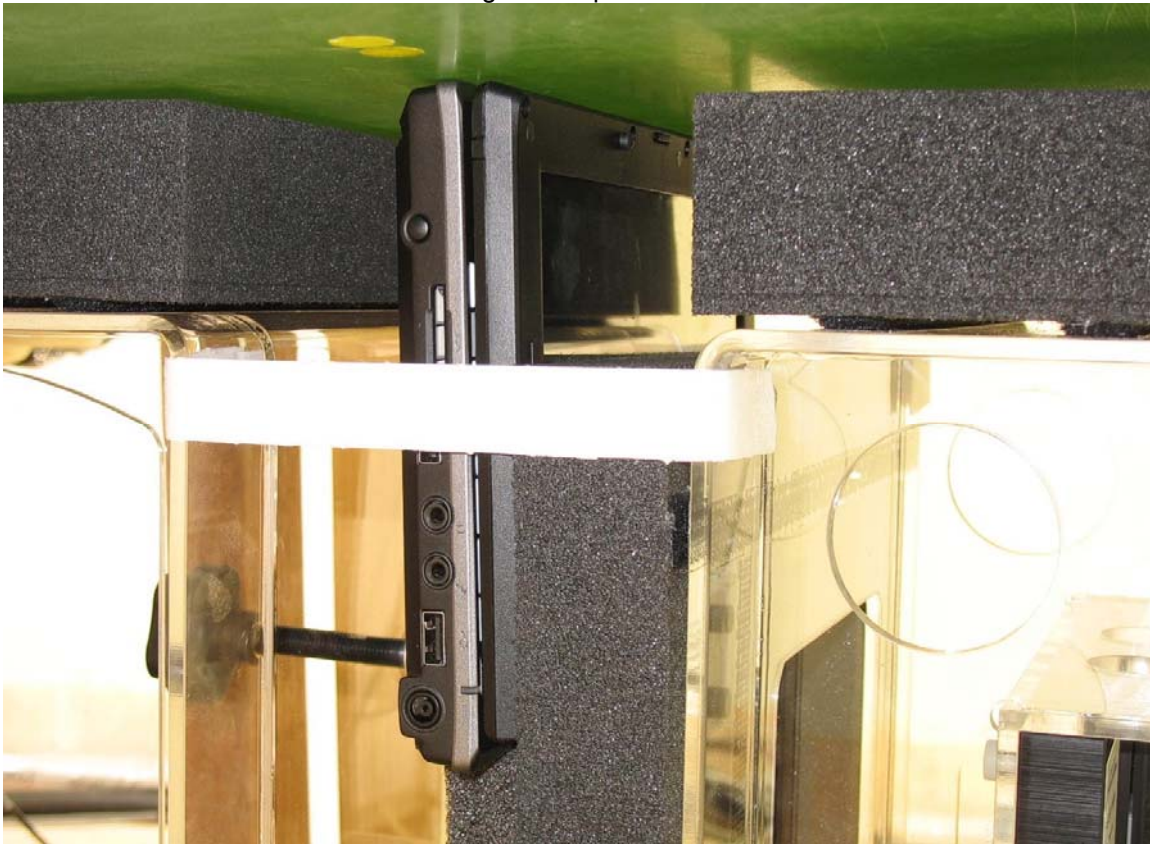
APPENDIX A5 TEST SAMPLE PHOTOGRAPHS

Edge On Side Position



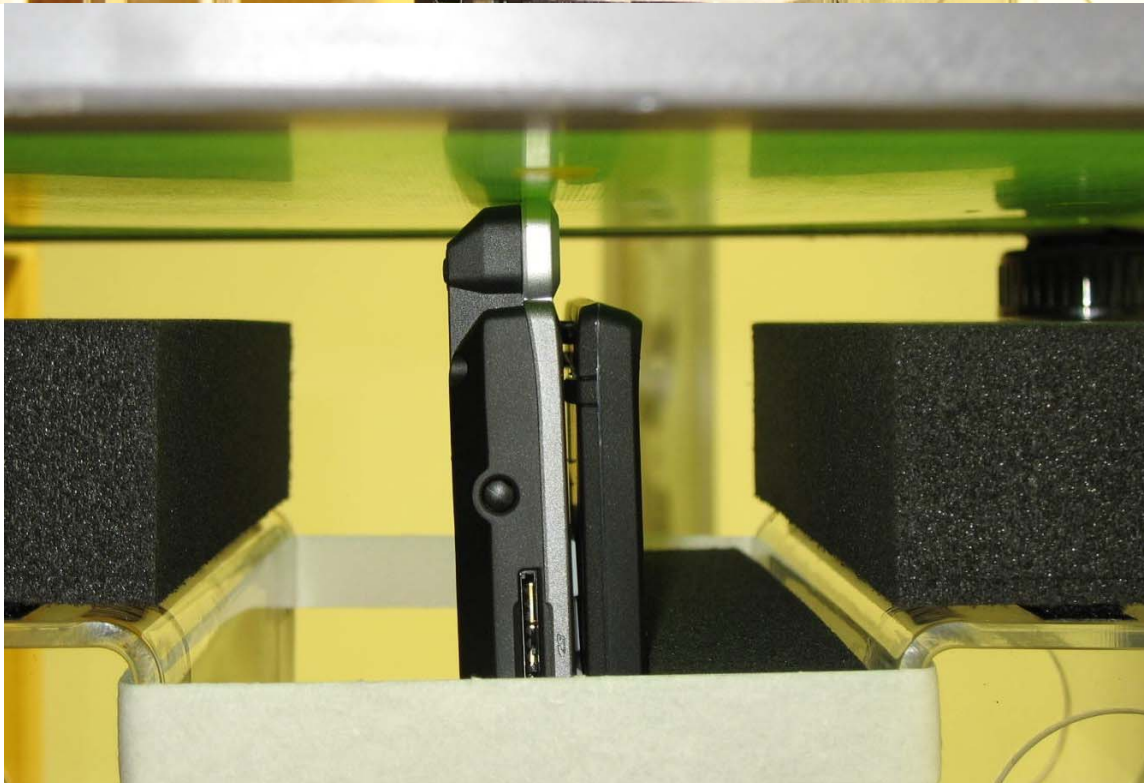
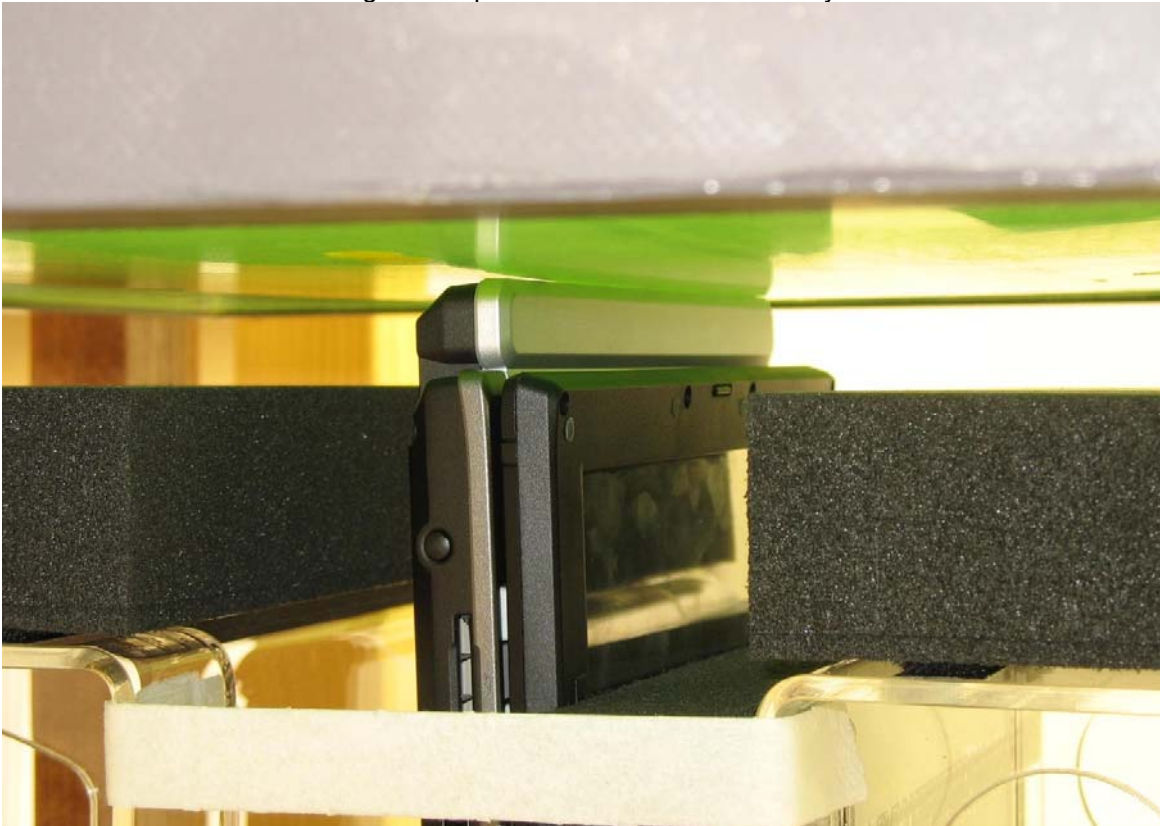
APPENDIX A6 TEST SAMPLE PHOTOGRAPHS

Edge On Top Position



APPENDIX A7 TEST SAMPLE PHOTOGRAPHS

Edge On Top Position w/ Extended Battery



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
*Tablet	1	A	1	-	06
*Tablet	2	B	1	-	06
Z-Axis Graphs for Plots 1 – 2					
Edge On Side	3	A	1	-	06
Edge On Side	4	B	1	-	06
Z-Axis Graphs for Plots 3 – 4					
Edge On Top	5	B	1	-	01
Edge On Top	6	B	1	-	06
Edge On Top	7	B	1	-	11
Z-Axis Graphs for Plots 5 – 7					
Edge On Top	8	A	1	-	06
Edge On Top w/ Extended Battery	9	B	1	-	06
Edge On Top w/ BT	10	B	1	-	06
Z-Axis Graphs for Plots 8 - 10					

Table: 2450 MHz OFDM Band SAR Measurement Plot Numbers

Test Position	Plot No.	Ant	Bit rate Mode (Mbps)	Channel Bandwidth (MHz)	Test Channel
Edge On Top	11	A	6	-	06
	12	B	6	-	06
Z-Axis Graphs for Plots 11 - 12					

Table: 2450MHz Validation Plot

Plot 13	Validation 2450 MHz 7 th Dec 2007
Plot 14	Validation 2450 MHz 10 th Dec 2007
Z-Axis graphs for Plots 13 to 14	



Test Date: 10 December 2007

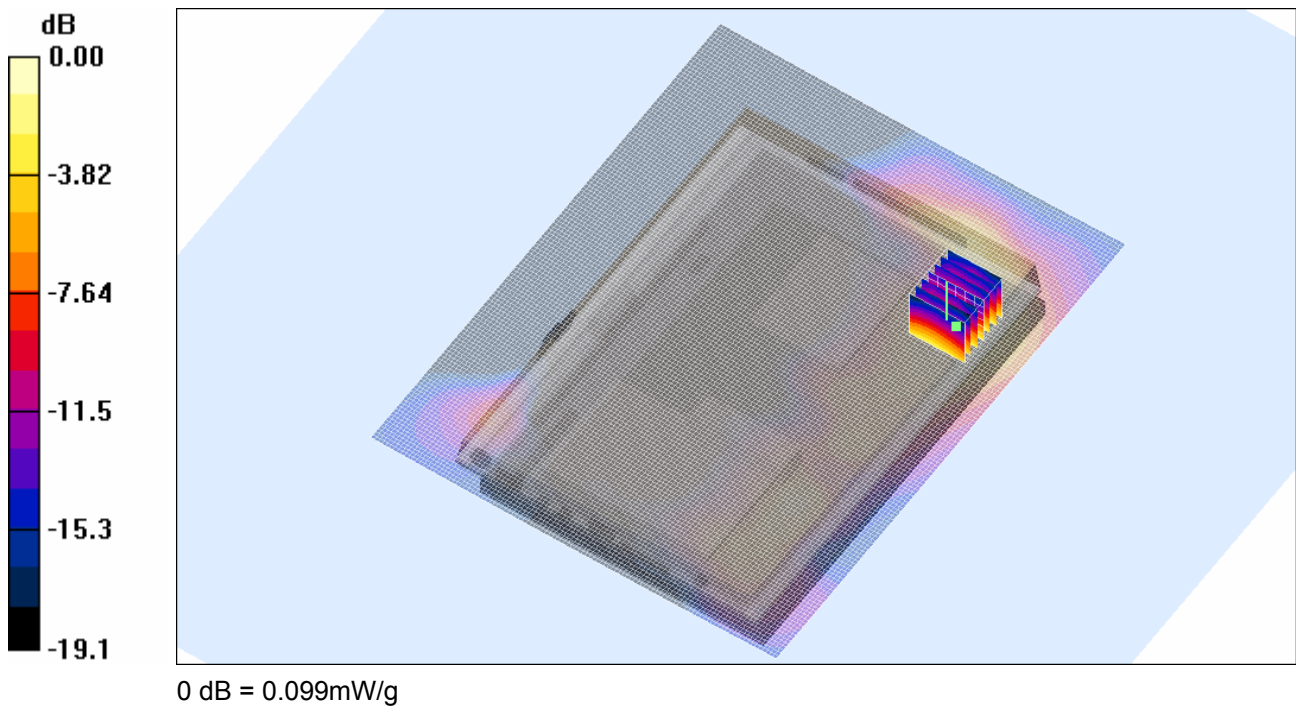
File Name: Tablet DSSS 2450 MHz Antenna A Bluetooth Off Prescan 10-12-07.da4

DUT: Fujitsu Tablet Ryuga with Kedron 11abg and Bluetooth; Type: 4965 AG; Serial: MAC: 0013E805C841

- * Communication System: DSSS 2450 MHz; Frequency: 2437 MHz; Duty Cycle: 1:1
- * Medium parameters used: $\sigma = 1.94479$ mho/m, $\epsilon_r = 52.1599$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn359; Probe: ET3DV6 - SN1377; ConvF(3.98, 3.98, 3.98)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 6 Bluetooth at 2441 MHz Test/Area Scan (111x141x1): Measurement grid: dx=20mm, dy=20mm
 Maximum value of SAR (interpolated) = 0.098 mW/g

Channel 6 Bluetooth at 2441 MHz Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 5.94 V/m; Power Drift = 0.138 dB
 Peak SAR (extrapolated) = 0.171 W/kg
SAR(1 g) = 0.092 mW/g; SAR(10 g) = 0.050 mW/g
 Maximum value of SAR (measured) = 0.099 mW/g



SAR MEASUREMENT PLOT 1

Ambient Temperature
 Liquid Temperature
 Humidity

21.9 Degrees Celsius
 21.4 Degrees Celsius
 44.0 %



Test Date: 07 December 2007

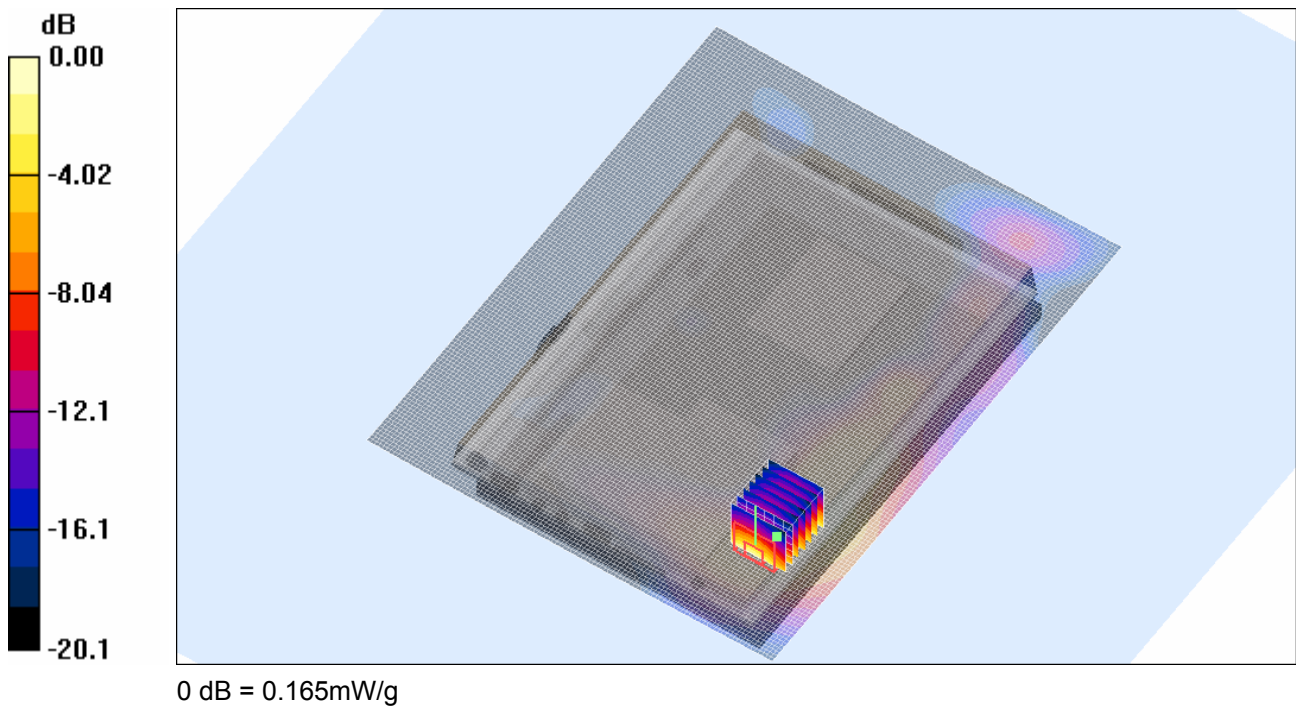
File Name: Tablet DSSS 2450 MHz Antenna B Bluetooth Off Prescan 07-12-07.da4

DUT: Fujitsu Tablet Ryuga with Kedron 11abg and Bluetooth; Type: 4965 AG; Serial: MAC: 0013E805C841

- * Communication System: DSSS 2450 MHz; Frequency: 2437 MHz; Duty Cycle: 1:1
- * Medium parameters used: $\sigma = 1.9757$ mho/m, $\epsilon_r = 52.0636$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn359; Probe: ET3DV6 - SN1377; ConvF(3.98, 3.98, 3.98)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 6 Bluetooth at 2441 MHz Test/Area Scan (111x141x1): Measurement grid: dx=20mm, dy=20mm
 Maximum value of SAR (interpolated) = 0.140 mW/g

Channel 6 Bluetooth at 2441 MHz Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 7.48 V/m; Power Drift = 0.080 dB
 Peak SAR (extrapolated) = 0.339 W/kg
SAR(1 g) = 0.151 mW/g; SAR(10 g) = 0.074 mW/g
 Maximum value of SAR (measured) = 0.165 mW/g

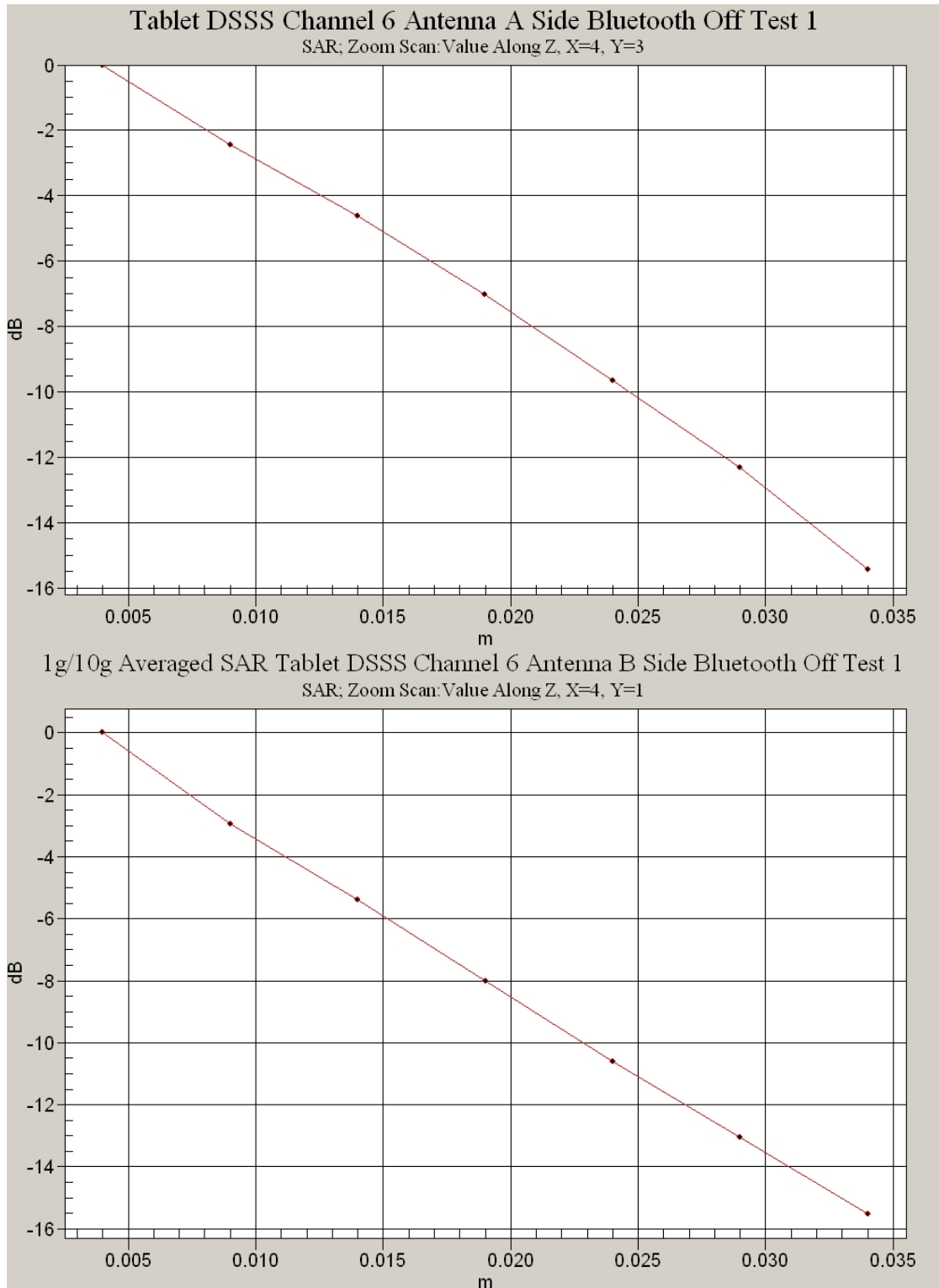


SAR MEASUREMENT PLOT 2

Ambient Temperature
 Liquid Temperature
 Humidity

21.1 Degrees Celsius
20.9 Degrees Celsius
62.0 %





Test Date: 07 December 2007

File Name: Edge On DSSS 2450 MHz Antenna A Side Bluetooth Off 07-12-07.da4

DUT: **Fujitsu Tablet Ryuga with Kedron 11abg and Bluetooth; Type: 4965 AG; Serial: MAC: 0013E805C841**

* Communication System: DSSS 2450 MHz; Frequency: 2437 MHz; Duty Cycle: 1:1

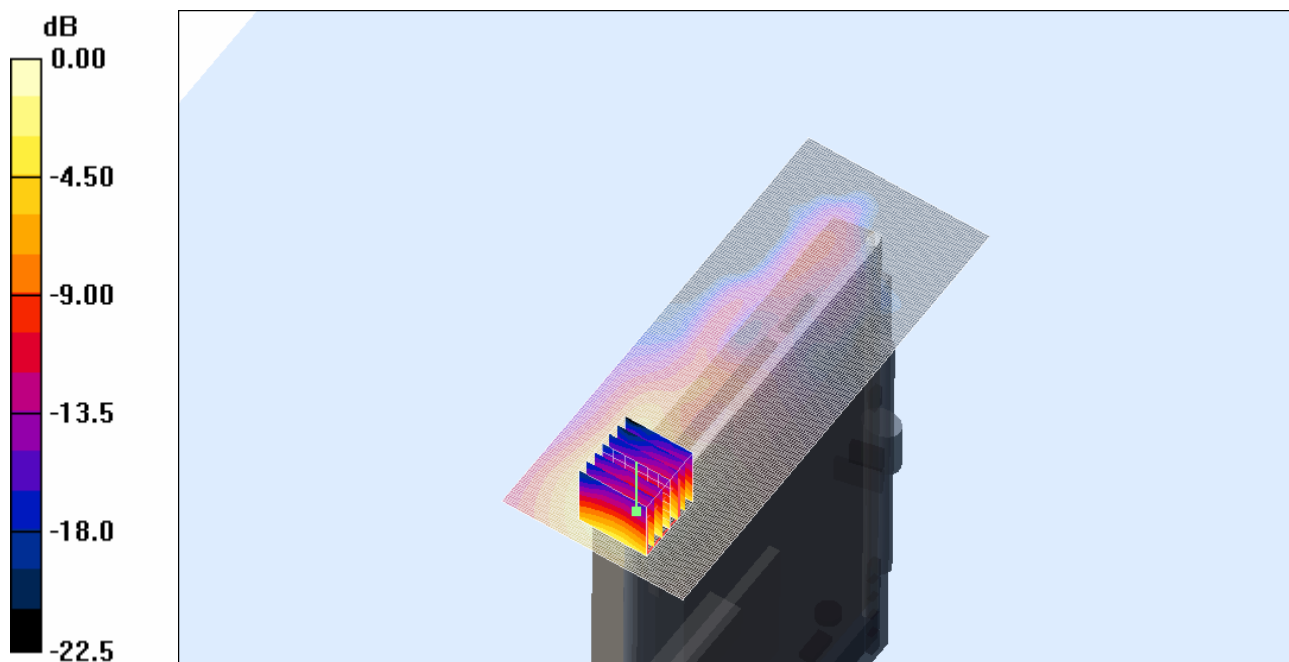
* Medium parameters used: $\sigma = 1.9757$ mho/m, $\epsilon_r = 52.0636$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn359; Probe: ET3DV6 - SN1377; ConvF(3.98, 3.98, 3.98)

- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 6 Test/Area Scan (81x201x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 0.115 mW/g

Channel 6 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 7.16 V/m; Power Drift = -0.176 dB
 Peak SAR (extrapolated) = 0.255 W/kg
SAR(1 g) = 0.114 mW/g; SAR(10 g) = 0.057 mW/g
 Maximum value of SAR (measured) = 0.129 mW/g



SAR MEASUREMENT PLOT 3

Ambient Temperature
 Liquid Temperature
 Humidity

21.1 Degrees Celsius
 20.9 Degrees Celsius
 62.0 %



Test Date: 07 December 2007

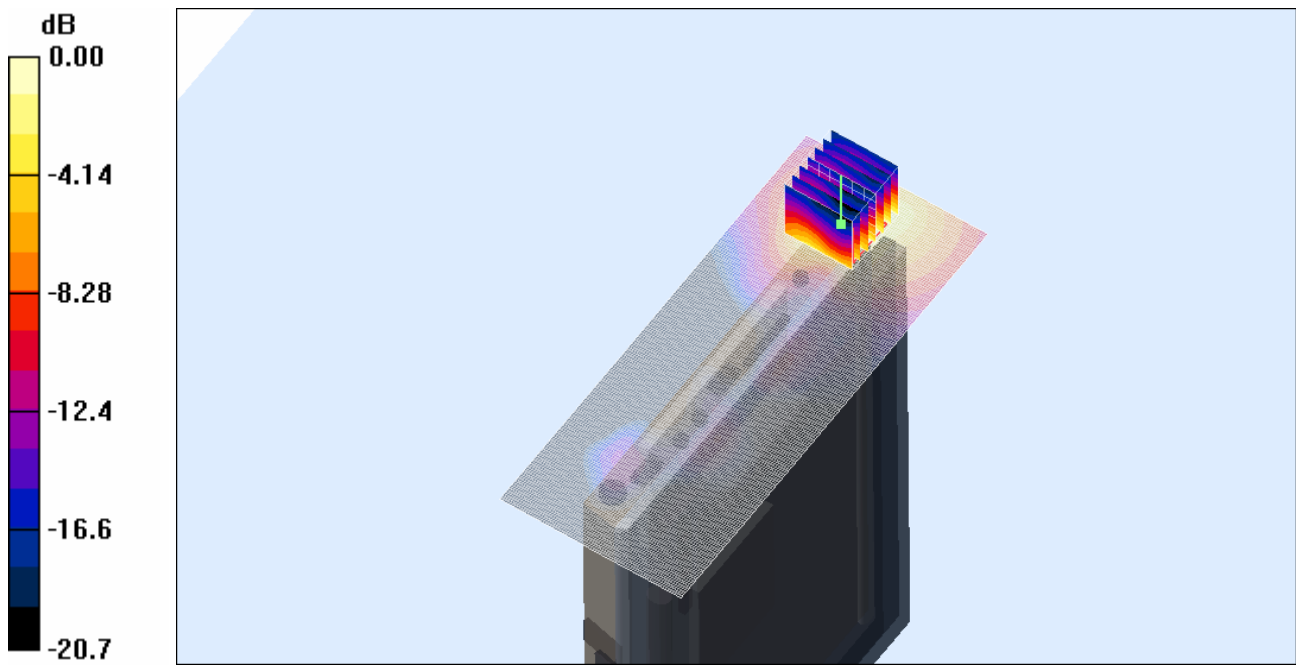
File Name: Edge On DSSS 2450 MHz Antenna B Side Bluetooth Off 07-12-07.da4

DUT: Fujitsu Tablet Ryuga with Kedron 11abg and Bluetooth; Type: 4965 AG; Serial: MAC: 0013E805C841

- * Communication System: DSSS 2450 MHz; Frequency: 2437 MHz; Duty Cycle: 1:1
- * Medium parameters used: $\sigma = 1.9757$ mho/m, $\epsilon_r = 52.0636$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn359; Probe: ET3DV6 - SN1377; ConvF(3.98, 3.98, 3.98)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 6 Test/Area Scan (81x201x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 0.234 mW/g

Channel 6 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 7.22 V/m; Power Drift = 0.064 dB
 Peak SAR (extrapolated) = 0.636 W/kg
SAR(1 g) = 0.251 mW/g; SAR(10 g) = 0.121 mW/g
 Maximum value of SAR (measured) = 0.274 mW/g



0 dB = 0.274mW/g

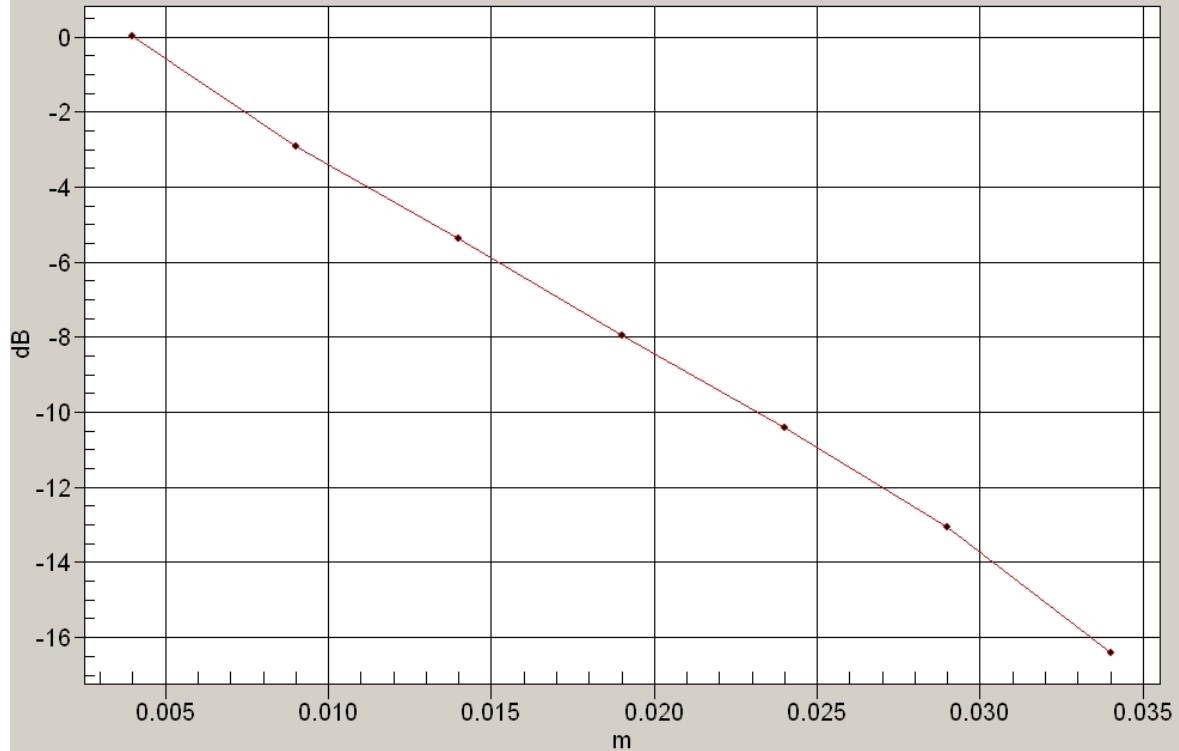
SAR MEASUREMENT PLOT 4

Ambient Temperature
 Liquid Temperature
 Humidity

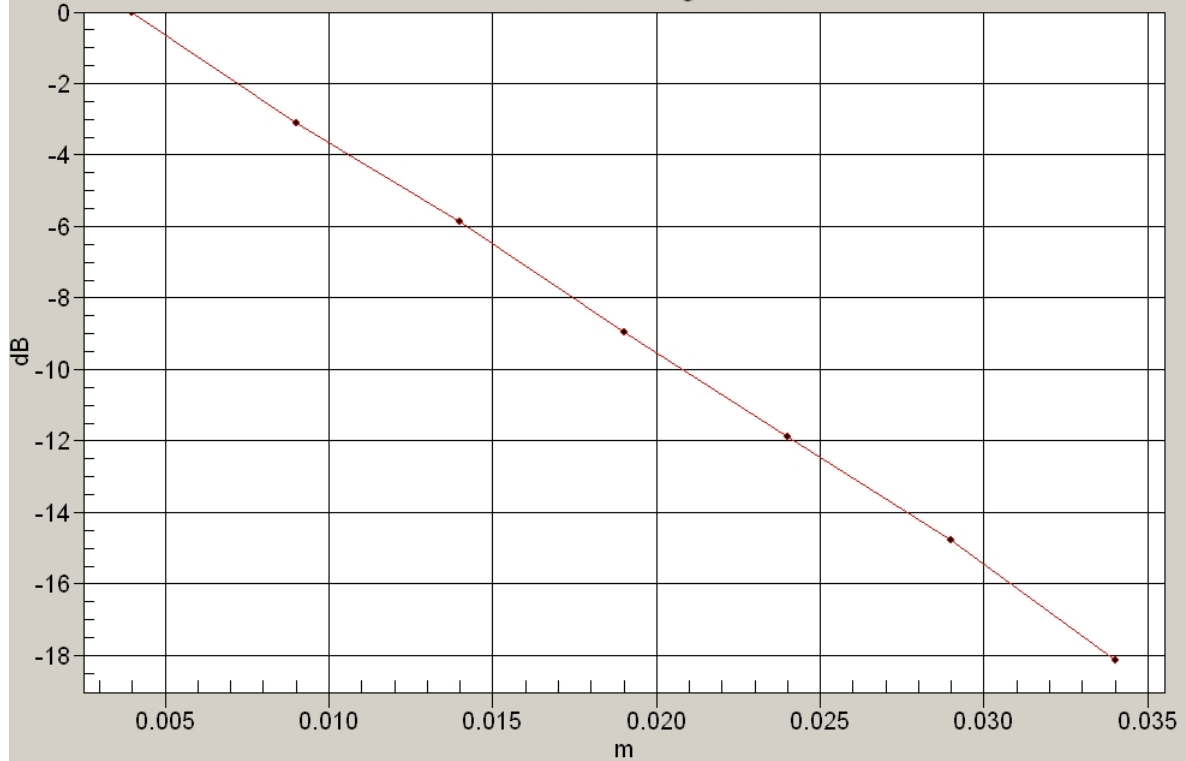
21.1 Degrees Celsius
20.9 Degrees Celsius
62.0 %



1g/10g Averaged SAR Edge On DSSS Channel 6 Antenna A Side Bluetooth Off Test 1
SAR; Zoom Scan: Value Along Z, X=3, Y=3



1g/10g Averaged SAR Edge On DSSS Channel 6 Antenna B Side Bluetooth Off Test 1
SAR; Zoom Scan: Value Along Z, X=3, Y=3



Test Date: 10 December 2007

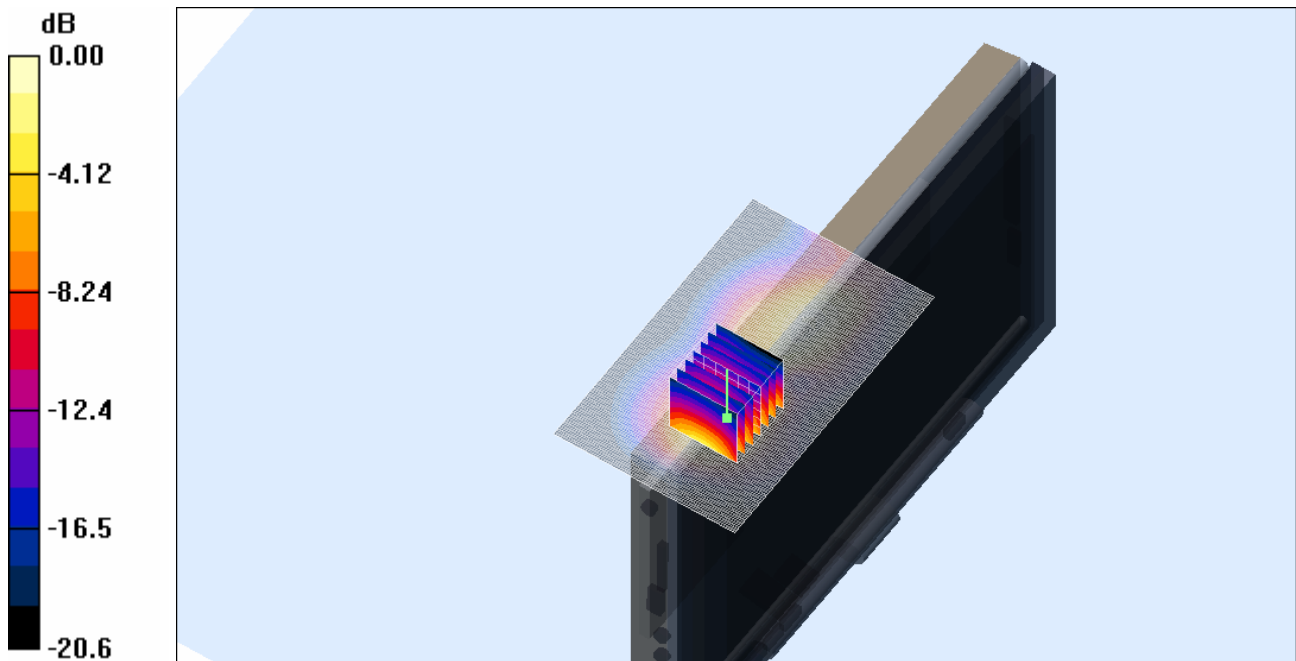
File Name: Edge On Top DSSS 2450 MHz Antenna B Bluetooth Off 10-12-07.da4

DUT: Fujitsu Tablet Ryuga with Kedron 11abg and Bluetooth; Type: 4965 AG; Serial: MAC: 0013E805C841

- * Communication System: DSSS 2450 MHz; Frequency: 2412 MHz; Duty Cycle: 1:1
- * Medium parameters used: $\sigma = 1.91196$ mho/m, $\epsilon_r = 52.2812$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn359; Probe: ET3DV6 - SN1377; ConvF(3.98, 3.98, 3.98)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 1 Test/Area Scan (81x131x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 0.815 mW/g

Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 16.5 V/m; Power Drift = -0.443 dB
 Peak SAR (extrapolated) = 1.50 W/kg
SAR(1 g) = 0.680 mW/g; SAR(10 g) = 0.335 mW/g
 Maximum value of SAR (measured) = 0.748 mW/g



SAR MEASUREMENT PLOT 5

Ambient Temperature	21.9 Degrees Celsius
Liquid Temperature	21.4 Degrees Celsius
Humidity	44.0 %



Test Date: 07 December 2007

File Name: Edge On Top DSSS 2450 MHz Antenna B Bluetooth Off 07-12-07.da4

DUT: Fujitsu Tablet Ryuga with Kedron 11abg and Bluetooth; Type: 4965 AG; Serial: MAC: 0013E805C841

* Communication System: DSSS 2450 MHz; Frequency: 2437 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 1.9757$ mho/m, $\epsilon_r = 52.0636$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn359; Probe: ET3DV6 - SN1377; ConvF(3.98, 3.98, 3.98)

- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 6 Test/Area Scan (81x131x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.859 mW/g

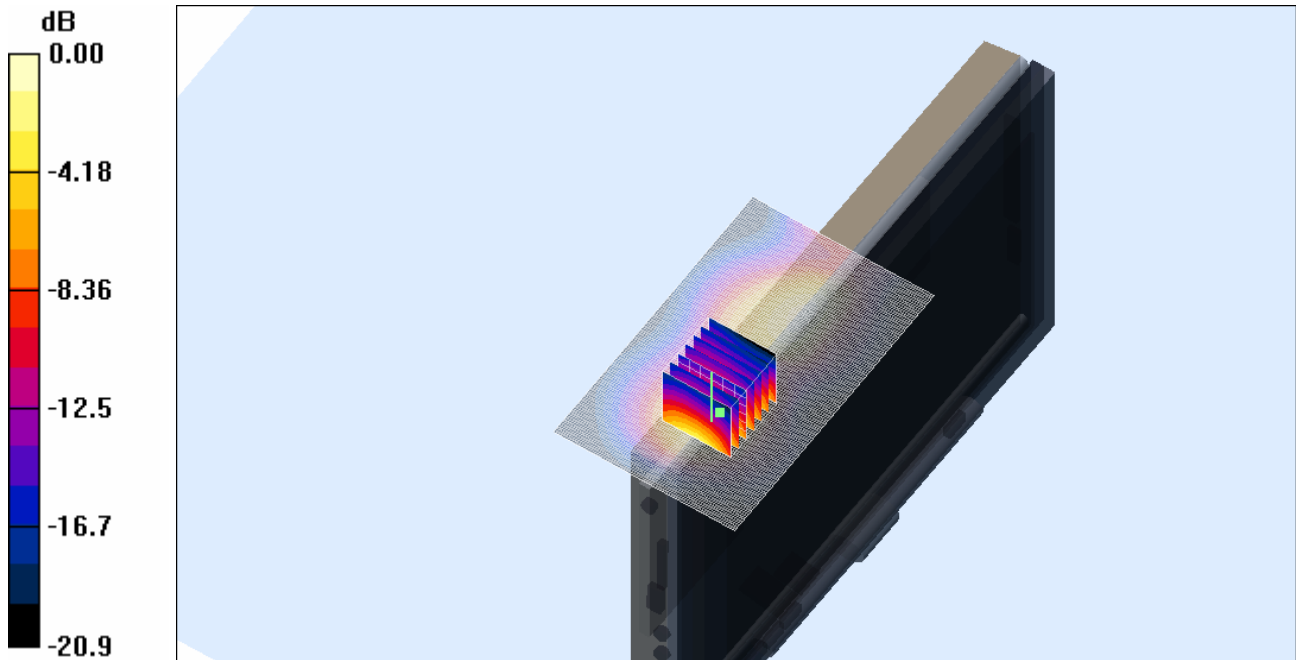
Channel 6 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.5 V/m; Power Drift = -0.136 dB

Peak SAR (extrapolated) = 1.70 W/kg

SAR(1 g) = 0.764 mW/g; SAR(10 g) = 0.383 mW/g

Maximum value of SAR (measured) = 0.851 mW/g



0 dB = 0.851mW/g

SAR MEASUREMENT PLOT 6

Ambient Temperature
Liquid Temperature
Humidity

21.1 Degrees Celsius
20.9 Degrees Celsius
62.0 %

