

APPENDIX H2

EUT Plots – 5.6 GHz

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: 5200 MHz Band SAR Measurement Plot Numbers

Test Position	Plot No.	Ant	Bit rate Mode (Mbps)	Channel Bandwidth (MHz)	Test Channel
Lap On	1	C	6	-	52
Lap On	2	C	HT0	20	52
Z-Axis graphs for Plots 1 to 2					
Lap On	3	C	HT0	40	38
Lap On	4	C	HT0	40	54
Z-Axis graphs for Plots 3 to 4					
Lap ON	5	C	HT0	40	62
Lap On w/ BT On	6	C	HT0	40	54
Z-Axis graphs for Plot 5 to 6					

Table: 5600 MHz Band SAR Measurement Plot Numbers

Test Position	Plot No.	Ant	Bit rate Mode (Mbps)	Channel Bandwidth (MHz)	Test Channel
Lap On	7	C	6	-	120
Lap On	8	C	HT0	20	100
Z-Axis graphs for Plots 7 to 8					
Lap On	9	C	HT0	20	120
Lap On	10	C	HT0	20	140
Z-Axis graphs for Plots 9 to 10					
Lap On	11	C	HT0	40	118
Lap On w/ BT On	12	C	HT0	40	120
Z-Axis graphs for Plots 11 to 12					



Table: 5800 MHz Band SAR Measurement Plot Numbers

Test Position	Plot No.	Ant	Bit rate Mode (Mbps)	Channel Bandwidth (MHz)	Test Channel
Lap On	13	C	6	-	157
Lap On	14	C	HT0	20	157
Z-Axis graphs for Plots 13 to 14					
Lap On	15	C	HT0	40	151
Lap On	16	C	HT0	40	159
Z-Axis graphs for Plots 15 to 16					
Lap On w/ BT On	17	C	HT0	40	151

Table: Validation Plots

Plot 18	Validation 5200 MHz 20 th March 2008
Z-Axis graphs for Plots 17 to 18	
Plot 19	Validation 5500 MHz 25 th March 2008
Plot 20	Validation 5800 MHz 26 th March 2006
Z-Axis graphs for Plots 19 to 20	



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Test Date: 20 March 2008

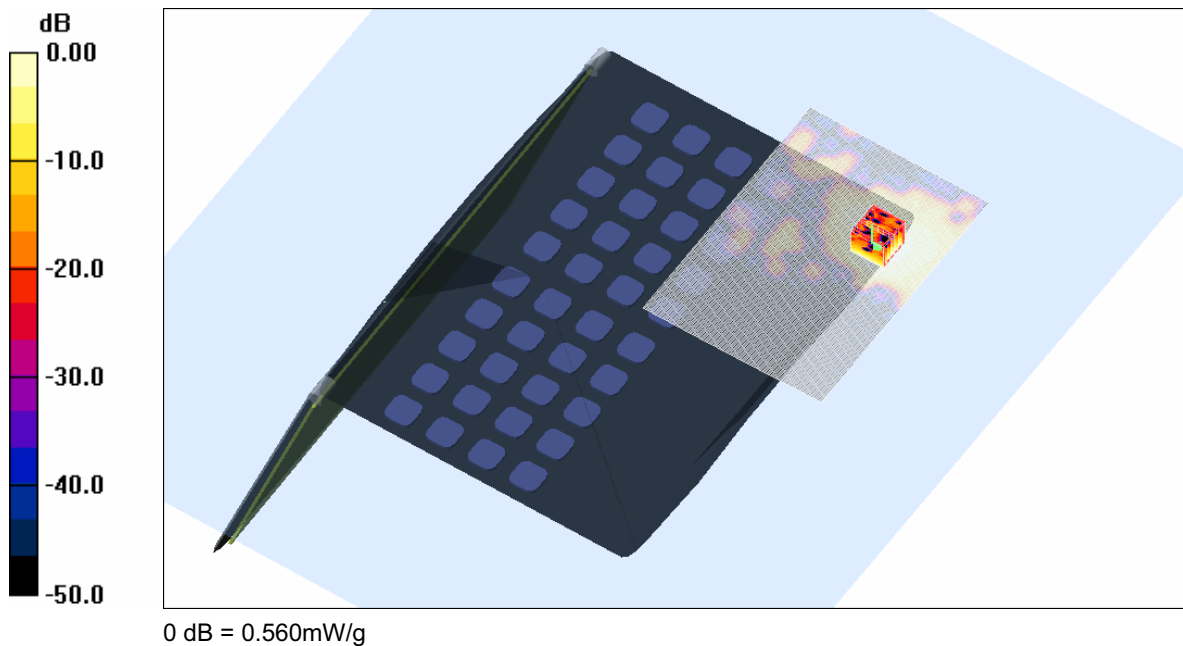
File Name: Laps On OFDM 5.2 GHz Ant C Bluetooth Off 20-03-08.da4

DUT: Fujitsu Notebook Gordon with Shirley Peak 11abgn and Bluetooth; Type: 533AN_HMW; Serial: MAC: 0016EA042716

- * Communication System: OFDM 5250 MHz; Frequency: 5260 MHz; Duty Cycle: 1:1
- * Medium parameters used: $\sigma = 5.51501$ mho/m, $\epsilon_r = 47.6019$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.79, 3.79, 3.79)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 052 Test/Area Scan (131x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.552 mW/g

Channel 052 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 9.53 V/m; Power Drift = -0.162 dB
Peak SAR (extrapolated) = 1.02 W/kg
SAR(1 g) = 0.310 mW/g; SAR(10 g) = 0.122 mW/g
Maximum value of SAR (measured) = 0.560 mW/g



SAR MEASUREMENT PLOT 1

Ambient Temperature
Liquid Temperature
Humidity

22.4 Degrees Celsius
21.9 Degrees Celsius
54.0 %



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Test Date: 20 March 2008

File Name: Laps On OFDM (20MHz HT0) 5.2 GHz Ant C Bluetooth Off 20-03-08.da4

DUT: Fujitsu Notebook Gordon with Shirley Peak 11abgn and Bluetooth; Type: 533AN_HMW; Serial: MAC: 0016EA042716

* Communication System: OFDM 5250 MHz; Frequency: 5260 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 5.51501$ mho/m, $\epsilon_r = 47.6019$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.79, 3.79, 3.79)

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

Channel 052 Test/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.576 mW/g

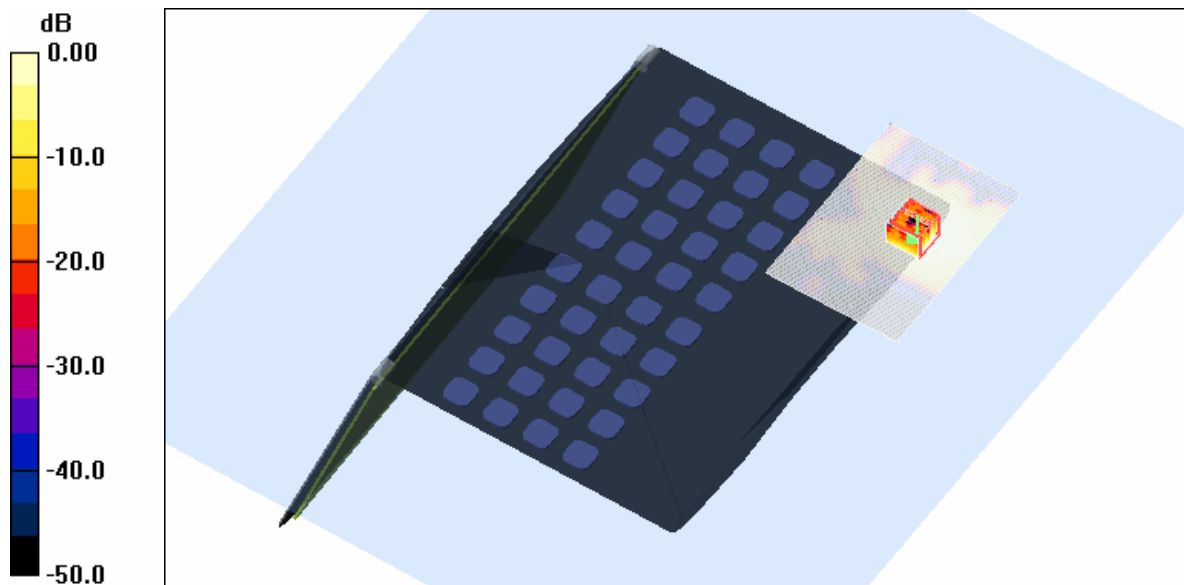
Channel 052 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 8.89 V/m; Power Drift = 0.238 dB

Peak SAR (extrapolated) = 0.965 W/kg

SAR(1 g) = 0.307 mW/g; SAR(10 g) = 0.122 mW/g

Maximum value of SAR (measured) = 0.551 mW/g



0 dB = 0.551mW/g

SAR MEASUREMENT PLOT 2

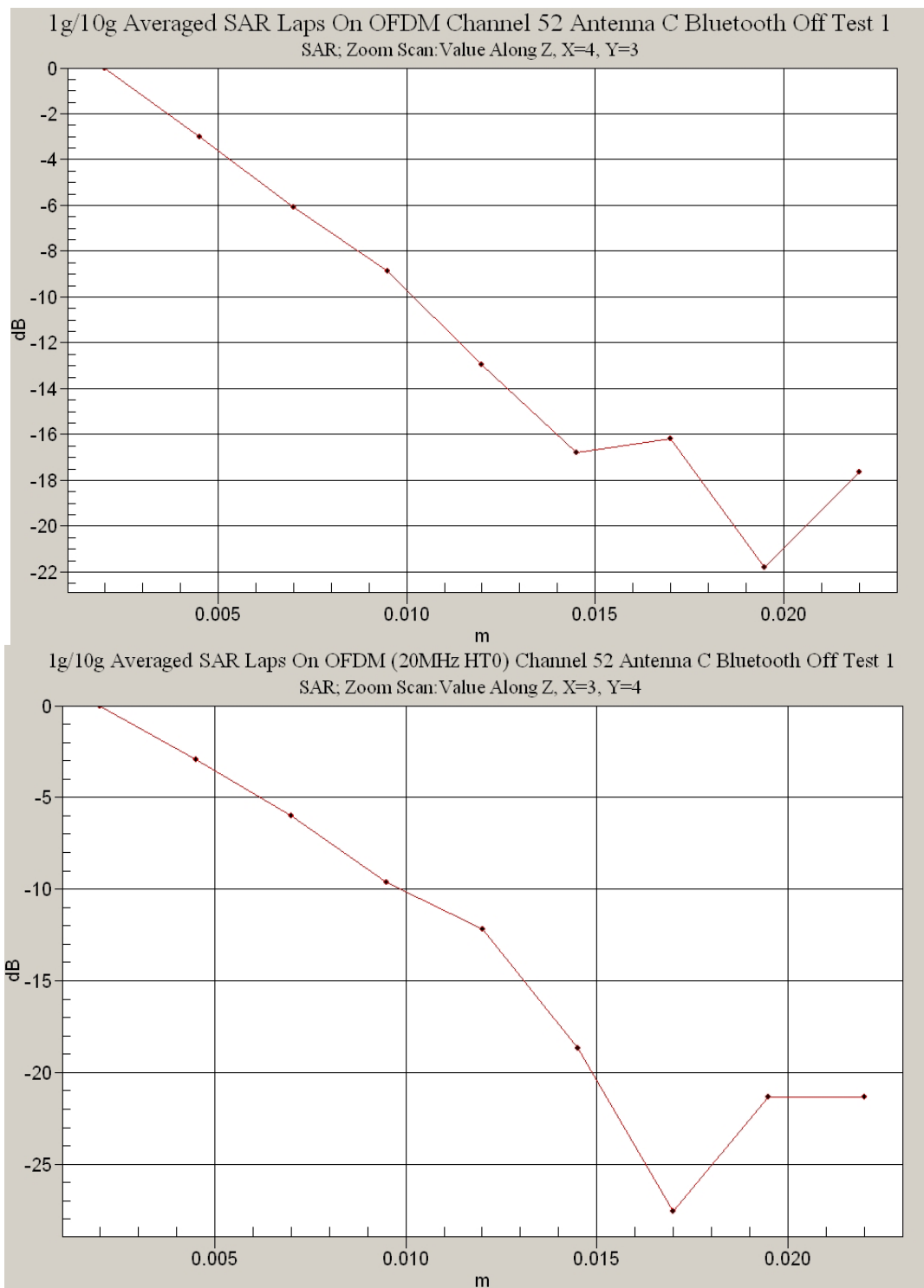
Ambient Temperature
Liquid Temperature
Humidity

22.4 Degrees Celsius
21.9 Degrees Celsius
54.0 %



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Test Date: 20 March 2008

File Name: Laps On OFDM (40MHz HT0) 5.2 GHz Ant C Bluetooth Off 20-03-08.da4

DUT: Fujitsu Notebook Gordon with Shirley Peak 11abgn and Bluetooth; Type: 533AN_HMW; Serial: MAC: 0016EA042716

* Communication System: OFDM 5250 MHz; Frequency: 5190 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 5.37594$ mho/m, $\epsilon_r = 47.8327$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.79, 3.79, 3.79)

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

Channel 038 Test/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.348 mW/g

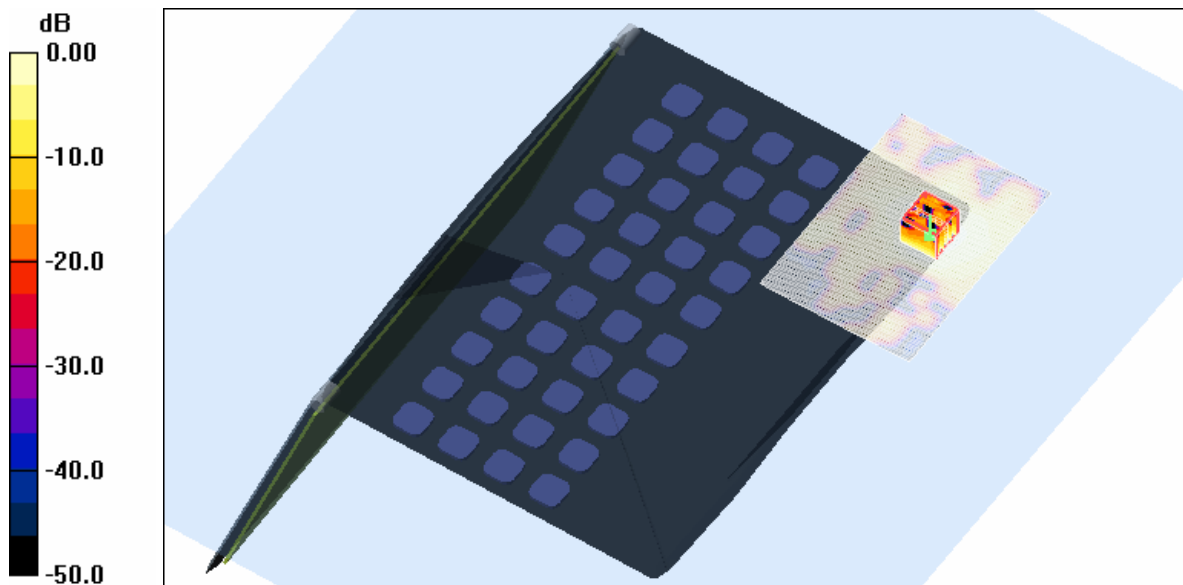
Channel 038 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 7.80 V/m; Power Drift = 0.053 dB

Peak SAR (extrapolated) = 0.657 W/kg

SAR(1 g) = 0.202 mW/g; SAR(10 g) = 0.082 mW/g

Maximum value of SAR (measured) = 0.363 mW/g



0 dB = 0.363mW/g

SAR MEASUREMENT PLOT 3

Ambient Temperature
Liquid Temperature
Humidity

22.4 Degrees Celsius
21.9 Degrees Celsius
54.0 %



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Test Date: 20 March 2008

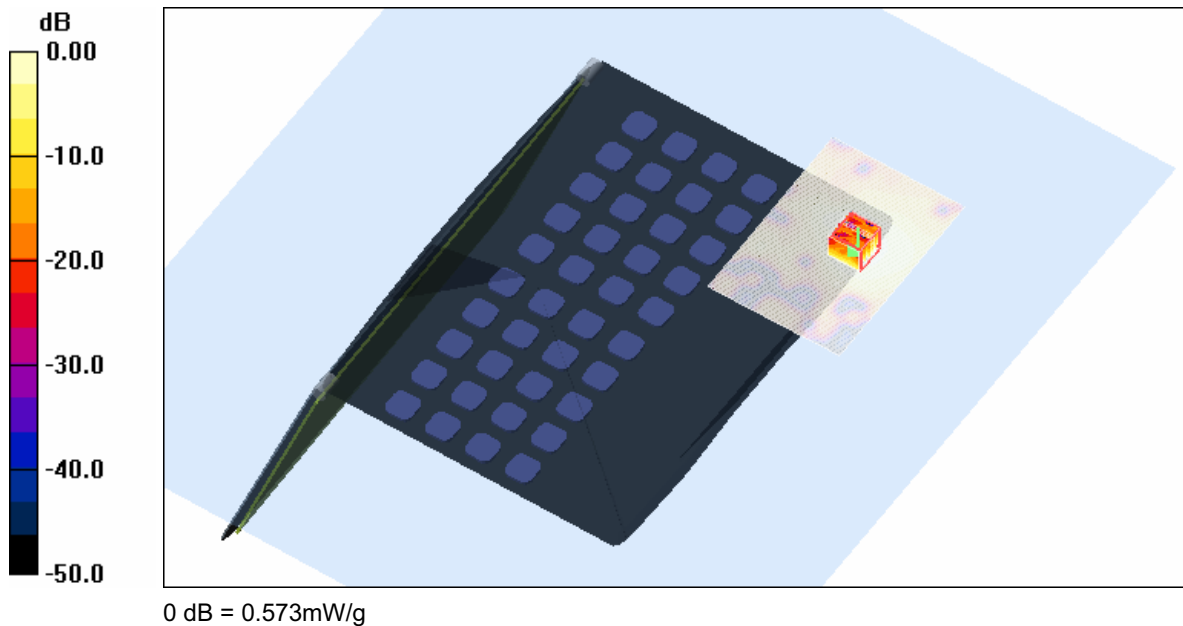
File Name: Laps On OFDM (40MHz HT0) 5.2 GHz Ant C Bluetooth Off 20-03-08.da4

DUT: Fujitsu Notebook Gordon with Shirley Peak 11abgn and Bluetooth; Type: 533AN_HMW; Serial: MAC: 0016EA042716

- * Communication System: OFDM 5250 MHz; Frequency: 5270 MHz; Duty Cycle: 1:1
- * Medium parameters used: $\sigma = 5.54704$ mho/m, $\epsilon_r = 47.5396$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.79, 3.79, 3.79)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 054 Test/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.601 mW/g

Channel 054 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 9.32 V/m; Power Drift = 0.051 dB
Peak SAR (extrapolated) = 1.00 W/kg
SAR(1 g) = 0.321 mW/g; SAR(10 g) = 0.128 mW/g
Maximum value of SAR (measured) = 0.573 mW/g



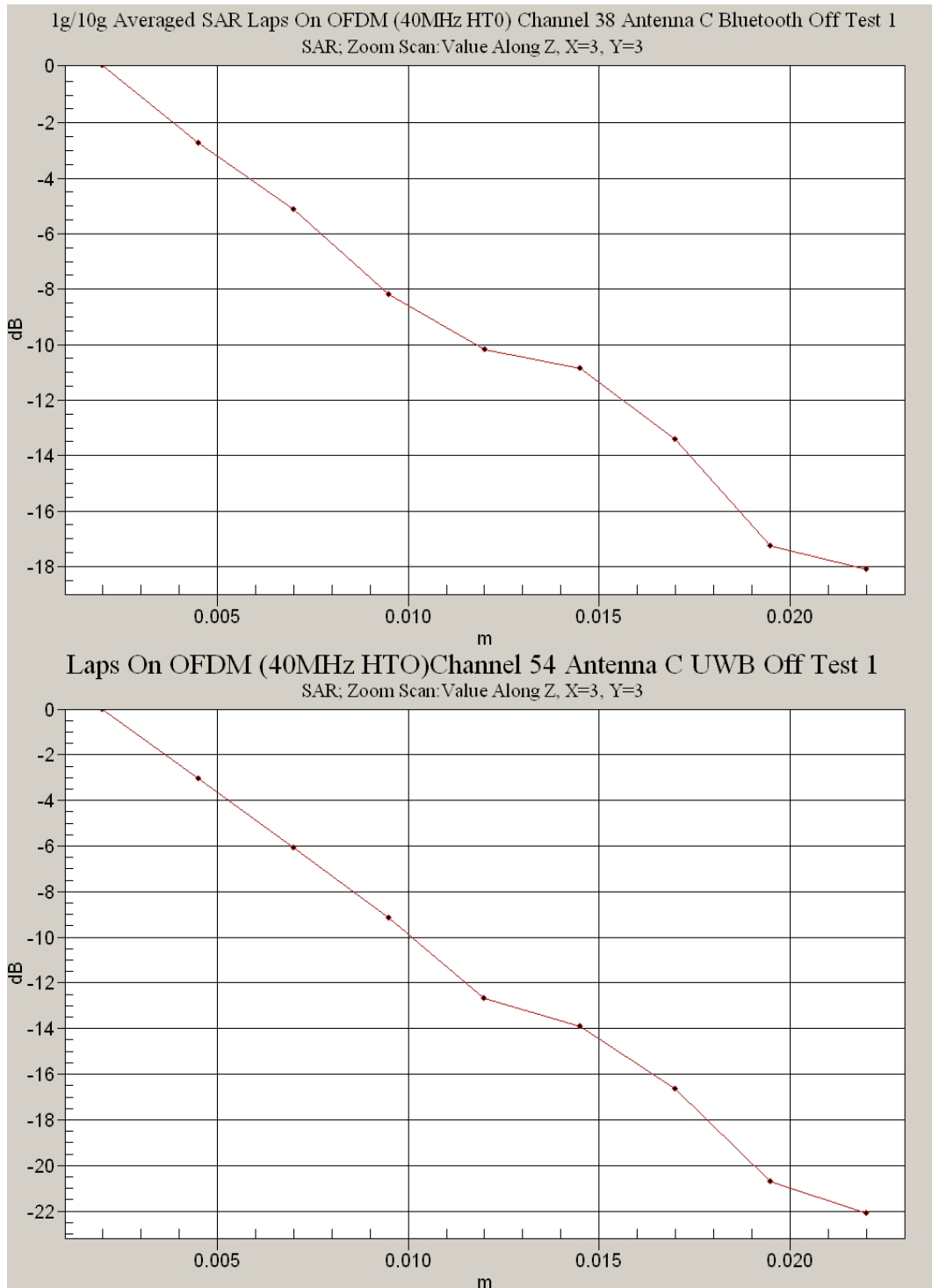
SAR MEASUREMENT PLOT 4

Ambient Temperature
Liquid Temperature
Humidity

22.4 Degrees Celsius
21.9 Degrees Celsius
54.0 %



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Test Date: 20 March 2008

File Name: Laps On OFDM (40MHz HT0) 5.2 GHz Ant C Bluetooth Off 20-03-08.da4

DUT: Fujitsu Notebook Gordon with Shirley Peak 11abgn and Bluetooth; Type: 533AN_HMW; Serial: MAC: 0016EA042716

* Communication System: OFDM 5250 MHz; Frequency: 5310 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 5.59708$ mho/m, $\epsilon_r = 47.4539$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.79, 3.79, 3.79)

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

Channel 062 Test/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.287 mW/g

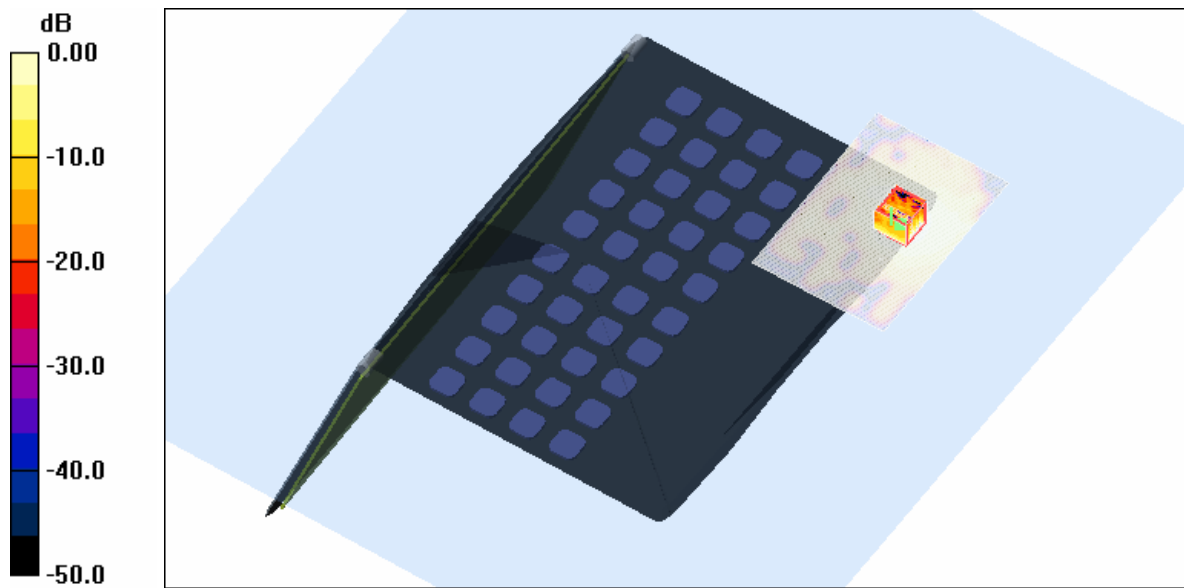
Channel 062 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 6.35 V/m; Power Drift = 0.215 dB

Peak SAR (extrapolated) = 0.511 W/kg

SAR(1 g) = 0.157 mW/g; SAR(10 g) = 0.060 mW/g

Maximum value of SAR (measured) = 0.280 mW/g



SAR MEASUREMENT PLOT 5

Ambient Temperature
Liquid Temperature
Humidity

22.4 Degrees Celsius
21.9 Degrees Celsius
54.0 %



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Test Date: 20 March 2008

File Name: Laps On OFDM (40MHz HT0) 5.2 GHz Ant C Bluetooth On 20-03-08.da4

DUT: Fujitsu Notebook Gordon with Shirley Peak 11abgn and Bluetooth; Type: 533AN_HMW; Serial: MAC: 0016EA042716

* Communication System: OFDM 5250 MHz; Frequency: 5270 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 5.54704$ mho/m, $\epsilon_r = 47.5396$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.79, 3.79, 3.79)

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

Channel 054 Test/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.607 mW/g

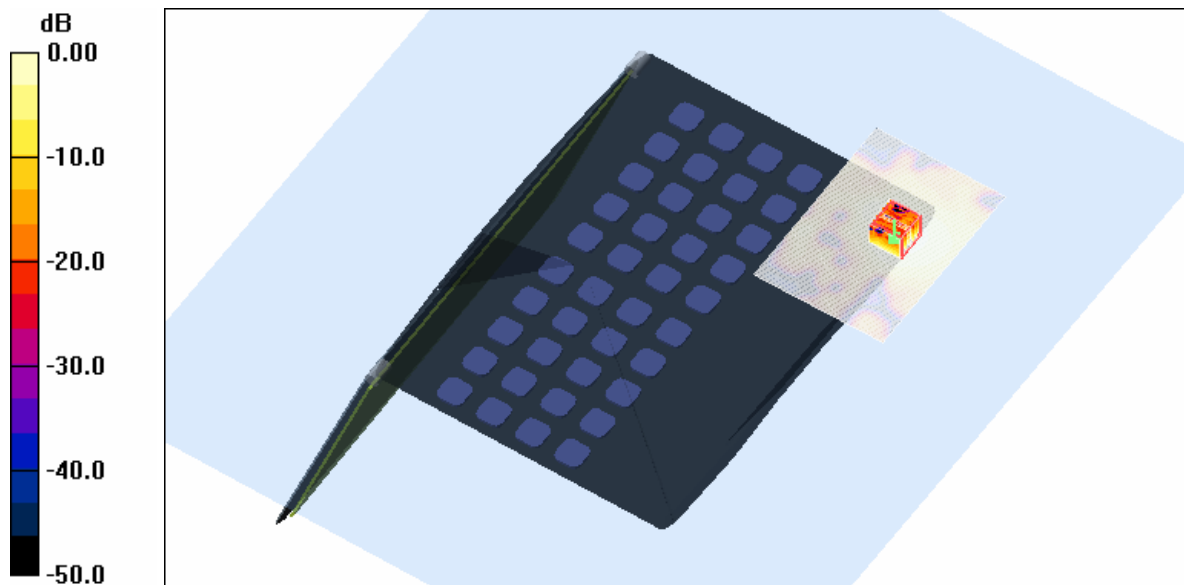
Channel 054 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 9.25 V/m; Power Drift = 0.128 dB

Peak SAR (extrapolated) = 1.03 W/kg

SAR(1 g) = 0.340 mW/g; SAR(10 g) = 0.139 mW/g

Maximum value of SAR (measured) = 0.616 mW/g



SAR MEASUREMENT PLOT 6

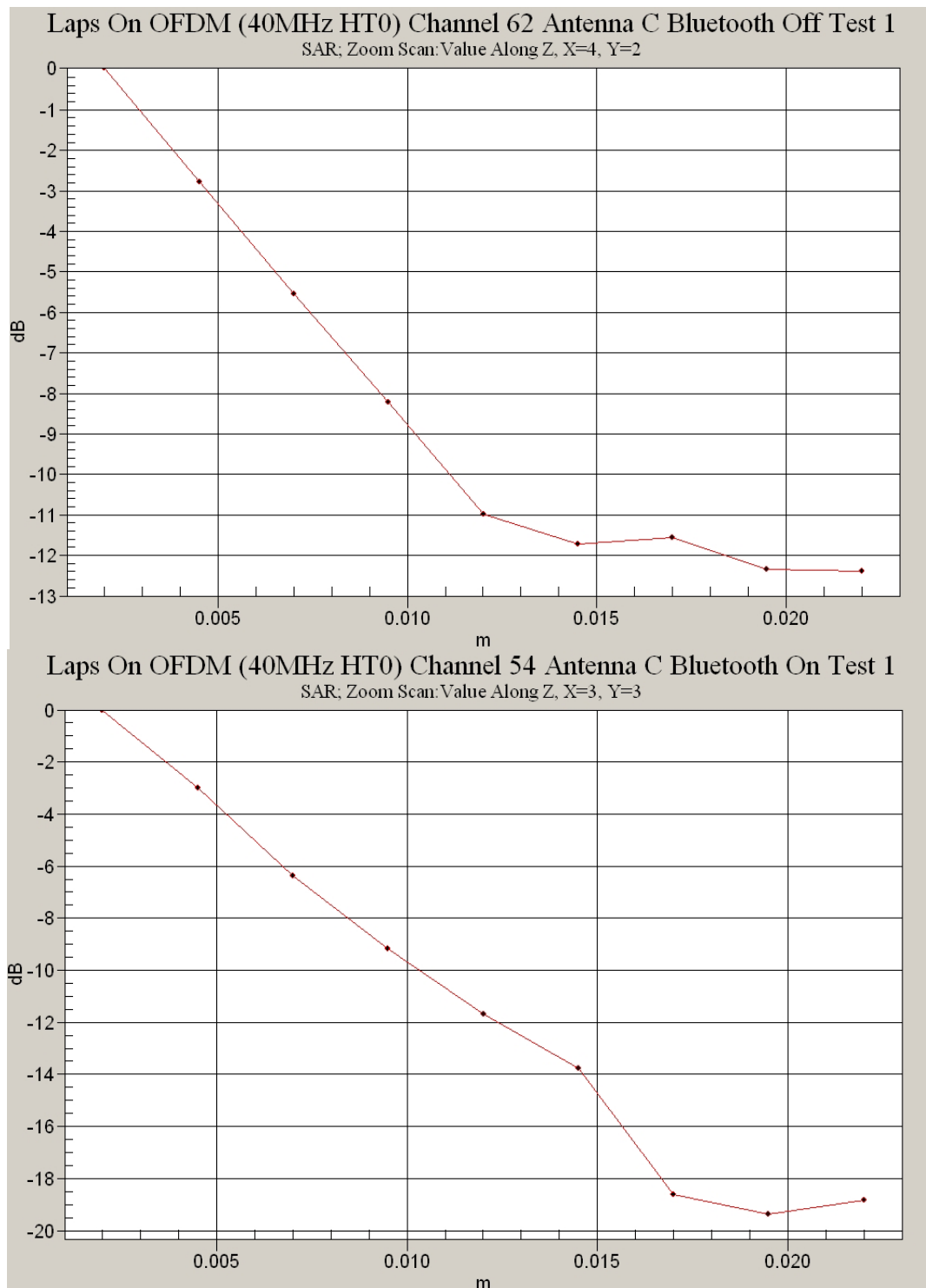
Ambient Temperature
Liquid Temperature
Humidity

22.4 Degrees Celsius
21.9 Degrees Celsius
54.0 %



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Test Date: 25 March 2008

File Name: Laps On OFDM 5.6 GHz Ant C Bluetooth Off 25-03-08.da4

DUT: Fujitsu Notebook Gordon with Shirley Peak 11abgn and Bluetooth; Type: 533AN_HMW; Serial: MAC: 0016EA042716

* Communication System: OFDM 5600 MHz; Frequency: 5500 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 5.70388$ mho/m, $\epsilon_r = 47.3304$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.68, 3.68, 3.68)

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

Channel 120 Test/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.703 mW/g

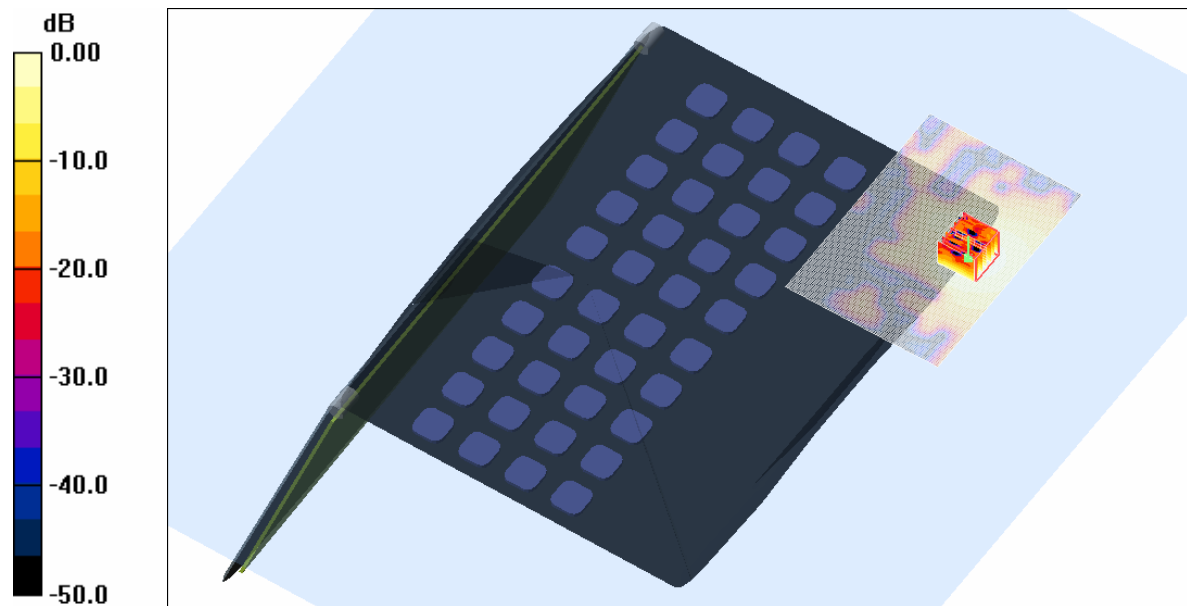
Channel 120 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 5.68 V/m; Power Drift = 0.014 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.354 mW/g; SAR(10 g) = 0.141 mW/g

Maximum value of SAR (measured) = 0.677 mW/g



0 dB = 0.677mW/g

SAR MEASUREMENT PLOT 7

Ambient Temperature
Liquid Temperature
Humidity

21.6 Degrees Celsius
21.1 Degrees Celsius
61.0 %



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Test Date: 25 March 2008

File Name: Laps On OFDM (20MHz HT0) 5.6 GHz Ant C Bluetooth Off 25-03-08.da4

DUT: Fujitsu Notebook Gordon with Shirley Peak 11abgn and Bluetooth; Type: 533AN_HMW; Serial: MAC: 0016EA042716

* Communication System: OFDM 5600 MHz; Frequency: 5500 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 5.70388$ mho/m, $\epsilon_r = 47.3304$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.68, 3.68, 3.68)

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

Channel 100 Test/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.566 mW/g

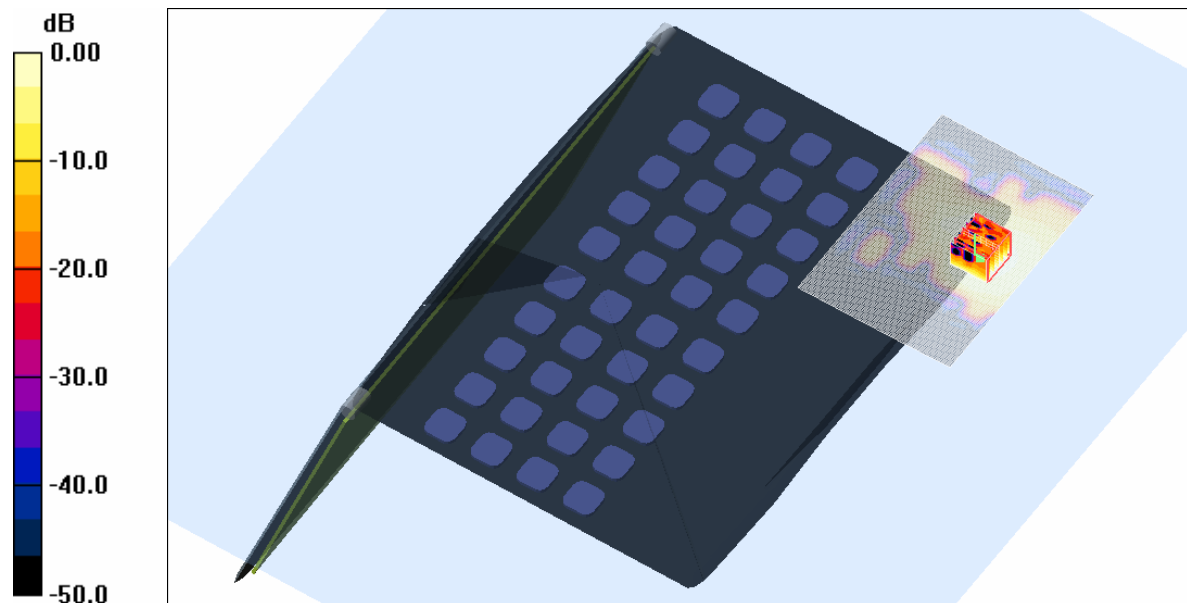
Channel 100 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 5.68 V/m; Power Drift = 0.127 dB

Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.296 mW/g; SAR(10 g) = 0.116 mW/g

Maximum value of SAR (measured) = 0.542 mW/g



SAR MEASUREMENT PLOT 8

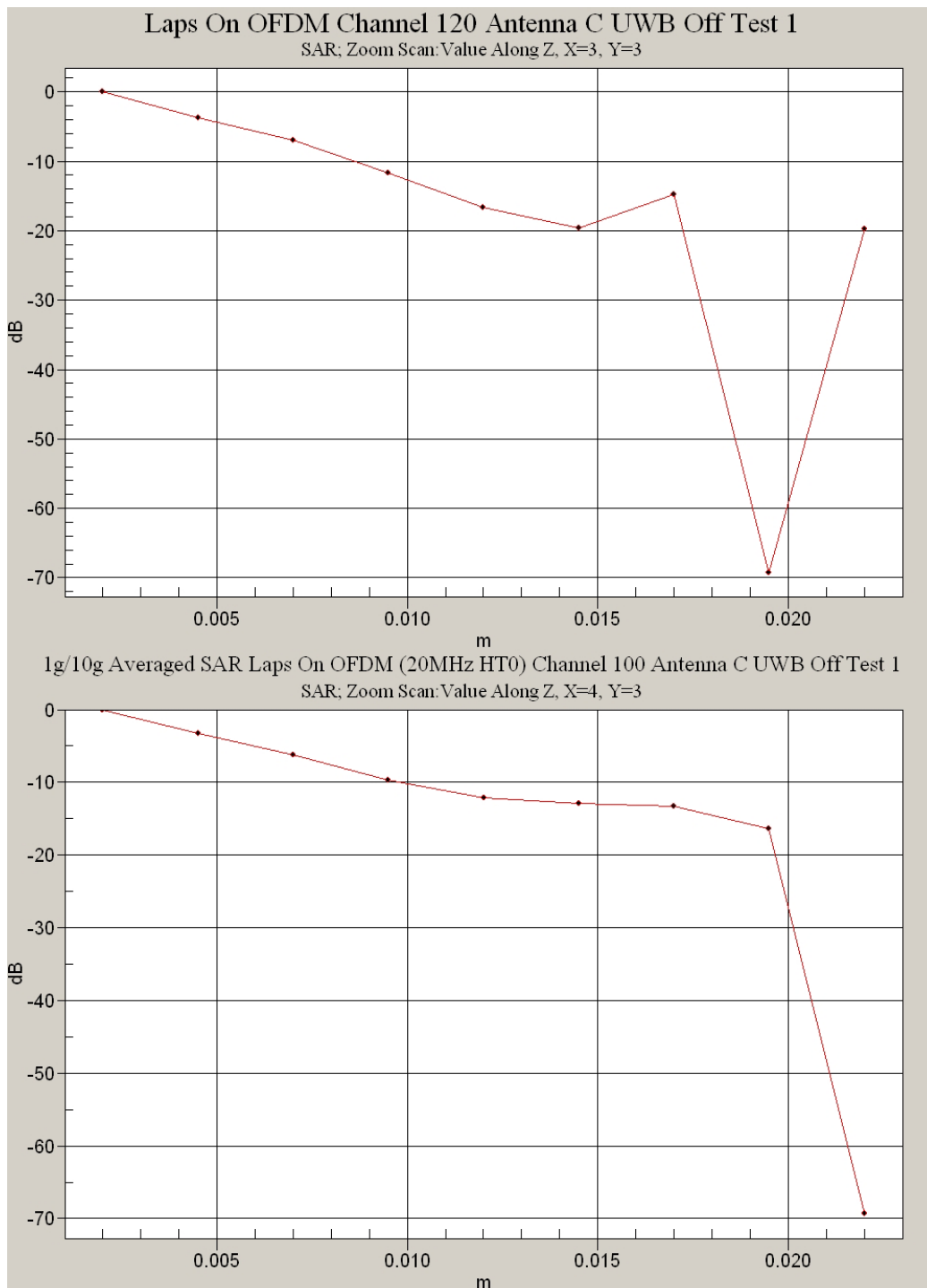
Ambient Temperature
Liquid Temperature
Humidity

21.6 Degrees Celsius
21.1 Degrees Celsius
61.0 %



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Test Date: 25 March 2008

File Name: Laps On OFDM (20MHz HT0) 5.6 GHz Ant C Bluetooth Off 25-03-08.da4

DUT: Fujitsu Notebook Gordon with Shirley Peak 11abgn and Bluetooth; Type: 533AN_HMW; Serial: MAC: 0016EA042716

* Communication System: OFDM 5600 MHz; Frequency: 5600 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 5.89672$ mho/m, $\epsilon_r = 46.9667$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.68, 3.68, 3.68)

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

Channel 120 Test/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.717 mW/g

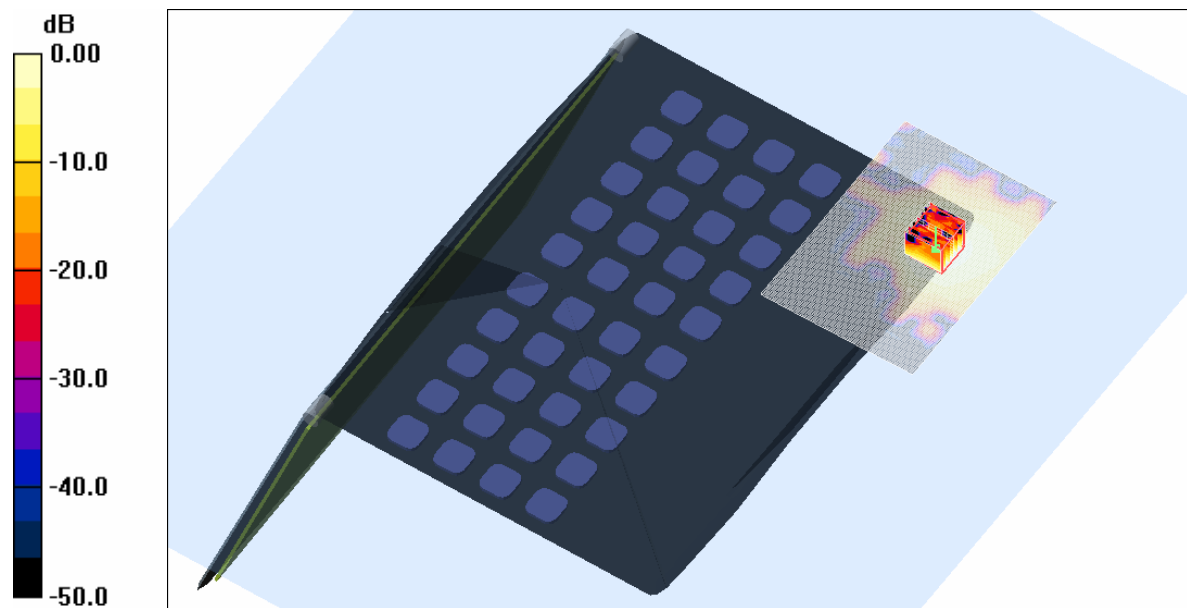
Channel 120 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 10.0 V/m; Power Drift = 0.044 dB

Peak SAR (extrapolated) = 1.36 W/kg

SAR(1 g) = 0.382 mW/g; SAR(10 g) = 0.148 mW/g

Maximum value of SAR (measured) = 0.711 mW/g



0 dB = 0.711mW/g

SAR MEASUREMENT PLOT 9

Ambient Temperature
Liquid Temperature
Humidity

21.6 Degrees Celsius
21.1 Degrees Celsius
61.0 %



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Test Date: 25 March 2008

File Name: Laps On OFDM (20MHz HT0) 5.6 GHz Ant C Bluetooth Off 25-03-08.da4

DUT: Fujitsu Notebook Gordon with Shirley Peak 11abgn and Bluetooth; Type: 533AN_HMW; Serial: MAC: 0016EA042716

* Communication System: OFDM 5600 MHz; Frequency: 5700 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 6.0705$ mho/m, $\epsilon_r = 46.6147$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.72, 3.72, 3.72)

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

Channel 140 Test/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.652 mW/g

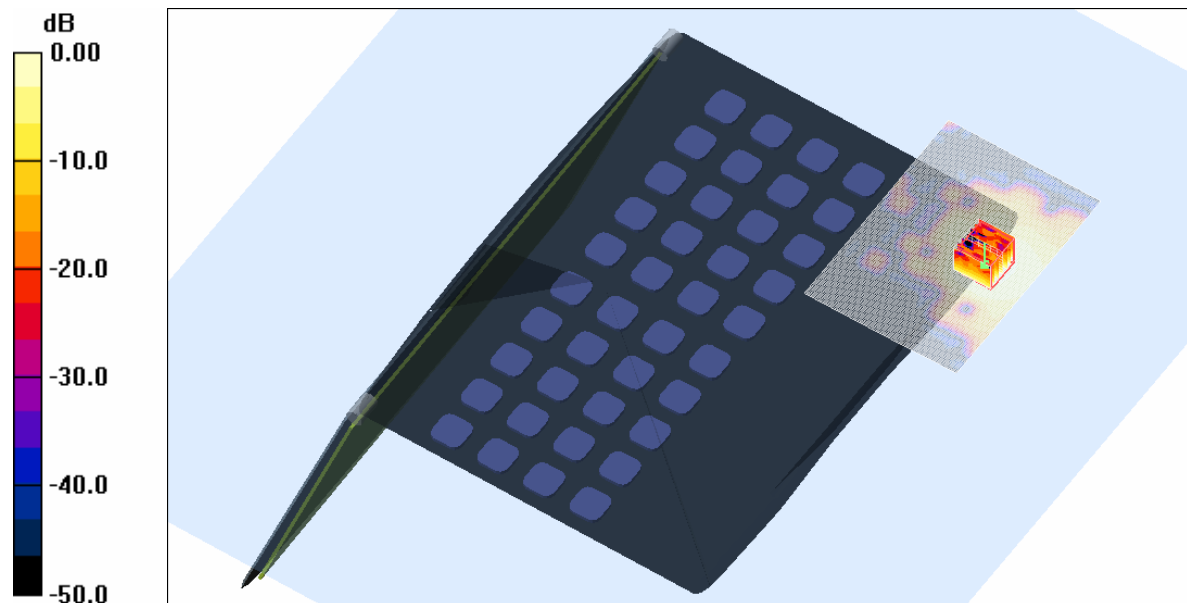
Channel 140 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 4.82 V/m; Power Drift = 0.322 dB

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.341 mW/g; SAR(10 g) = 0.130 mW/g

Maximum value of SAR (measured) = 0.651 mW/g



0 dB = 0.651mW/g

SAR MEASUREMENT PLOT 10

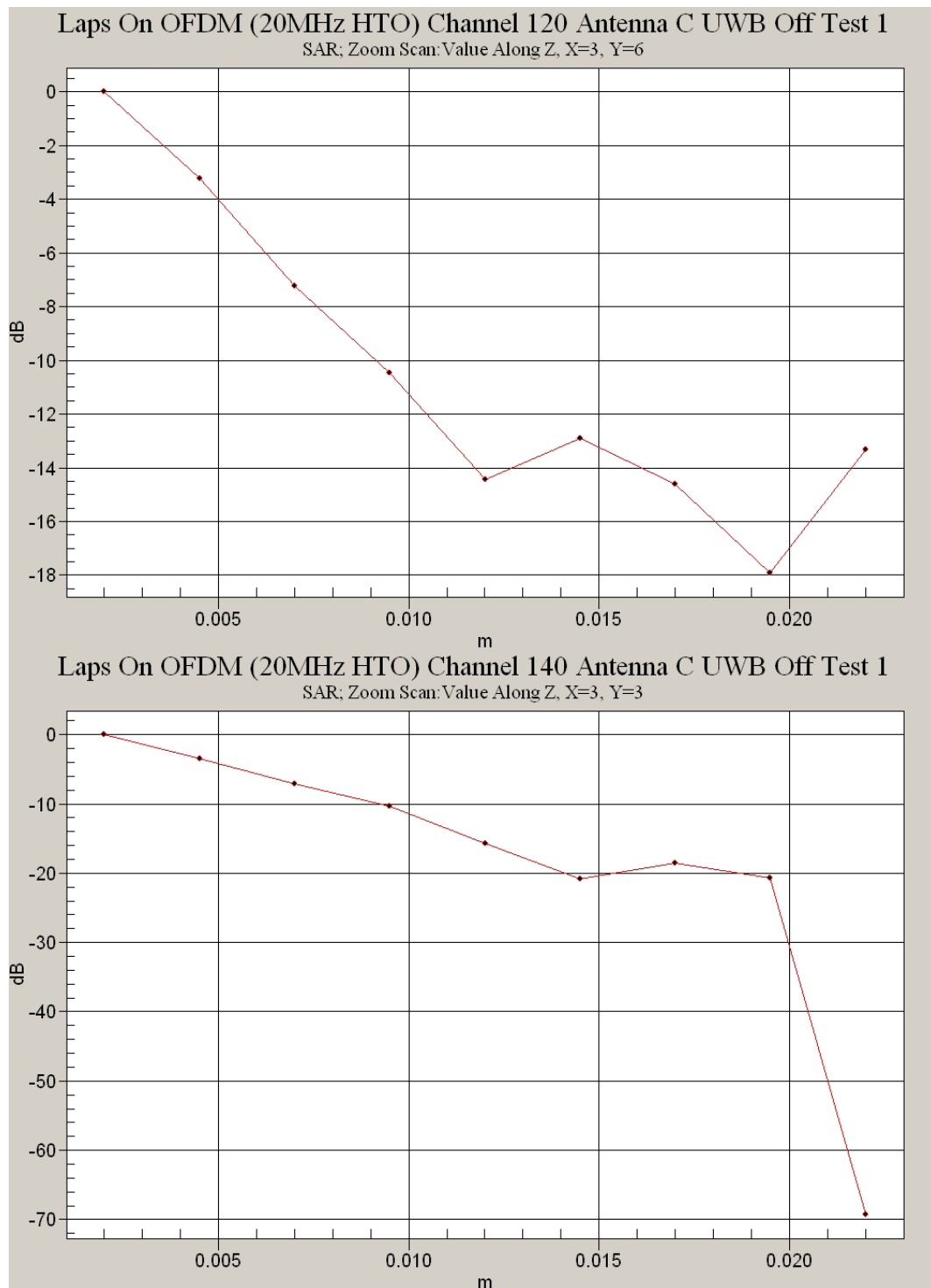
Ambient Temperature
Liquid Temperature
Humidity

21.6 Degrees Celsius
21.1 Degrees Celsius
61.0 %



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Test Date: 25 March 2008

File Name: Laps On OFDM (40MHz HT0) 5.6 GHz Ant C Bluetooth Off 25-03-08.da4

DUT: Fujitsu Notebook Gordon with Shirley Peak 11abgn and Bluetooth; Type: 533AN_HMW; Serial: MAC: 0016EA042716

* Communication System: OFDM 5600 MHz; Frequency: 5590 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 5.89672$ mho/m, $\epsilon_r = 46.9667$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.68, 3.68, 3.68)

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

Channel 118 Test/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.186 mW/g

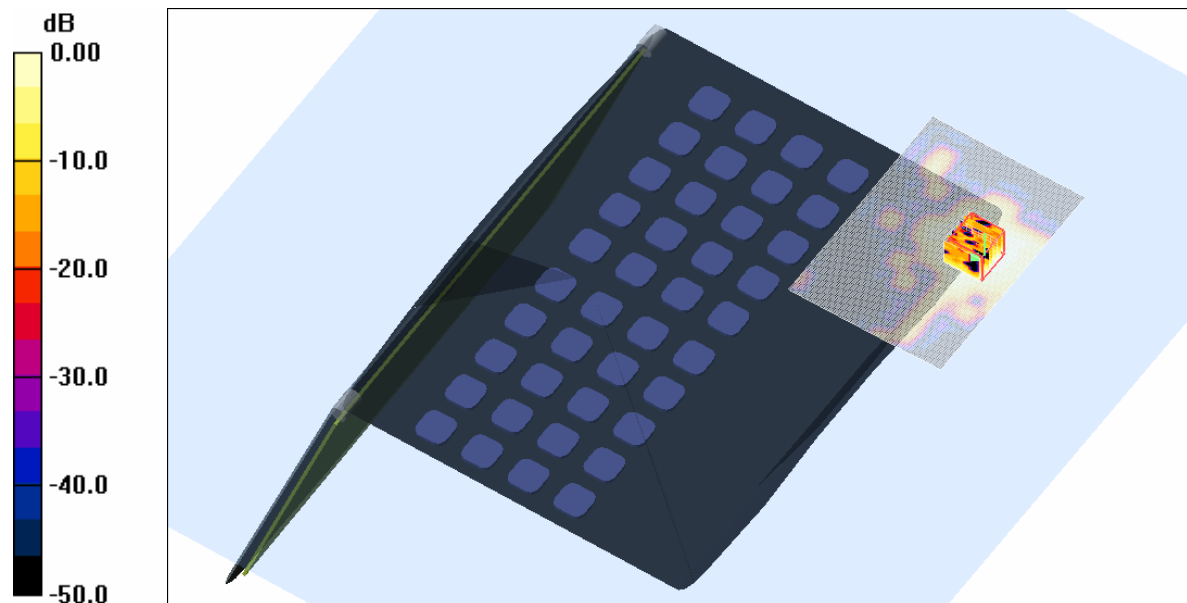
Channel 118 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 5.30 V/m; Power Drift = 0.326 dB

Peak SAR (extrapolated) = 0.389 W/kg

SAR(1 g) = 0.099 mW/g; SAR(10 g) = 0.039 mW/g

Maximum value of SAR (measured) = 0.181 mW/g



0 dB = 0.181mW/g

SAR MEASUREMENT PLOT 11

Ambient Temperature
Liquid Temperature
Humidity

21.6 Degrees Celsius
21.1 Degrees Celsius
61.0 %



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Test Date: 25 March 2008

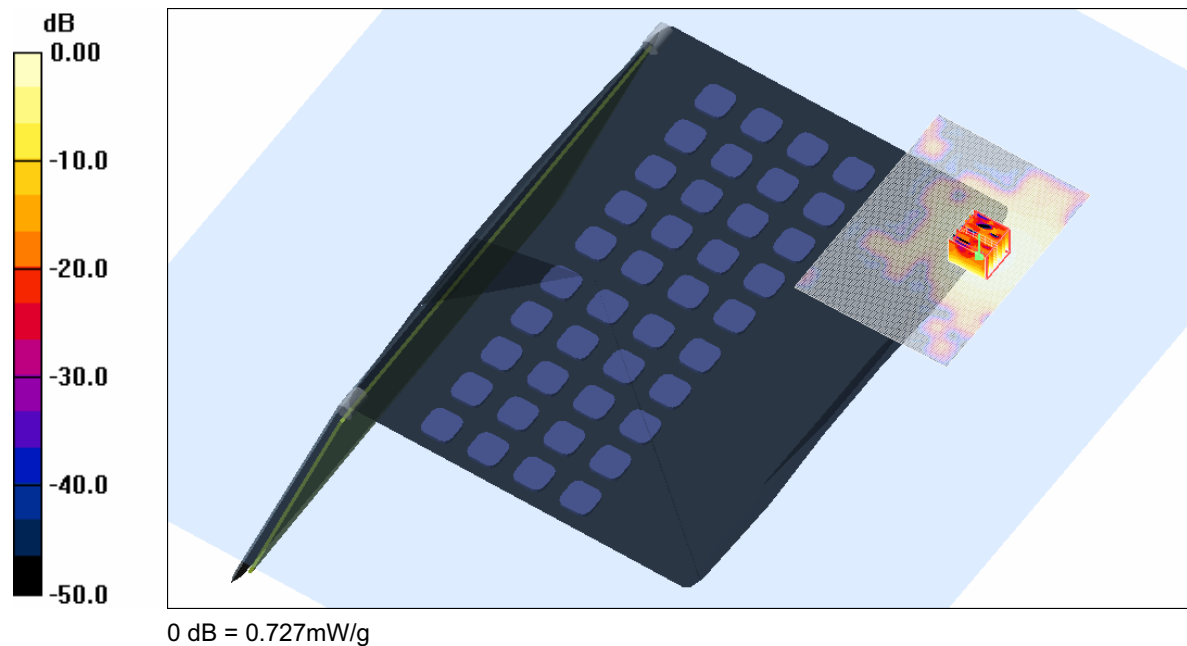
File Name: Laps On OFDM (20MHz HT0) 5.6 GHz Ant C Bluetooth On 25-03-08.da4

DUT: Fujitsu Notebook Gordon with Shirley Peak 11abgn and Bluetooth; Type: 533AN_HMW; Serial: MAC: 0016EA042716

- * Communication System: OFDM 5600 MHz; Frequency: 5600 MHz; Duty Cycle: 1:1
- * Medium parameters used: $\sigma = 5.89672$ mho/m, $\epsilon_r = 46.9667$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.68, 3.68, 3.68)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 120 Test/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.702 mW/g

Channel 120 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 5.63 V/m; Power Drift = 0.151 dB
Peak SAR (extrapolated) = 1.40 W/kg
SAR(1 g) = 0.386 mW/g; SAR(10 g) = 0.149 mW/g
Maximum value of SAR (measured) = 0.727 mW/g



SAR MEASUREMENT PLOT 12

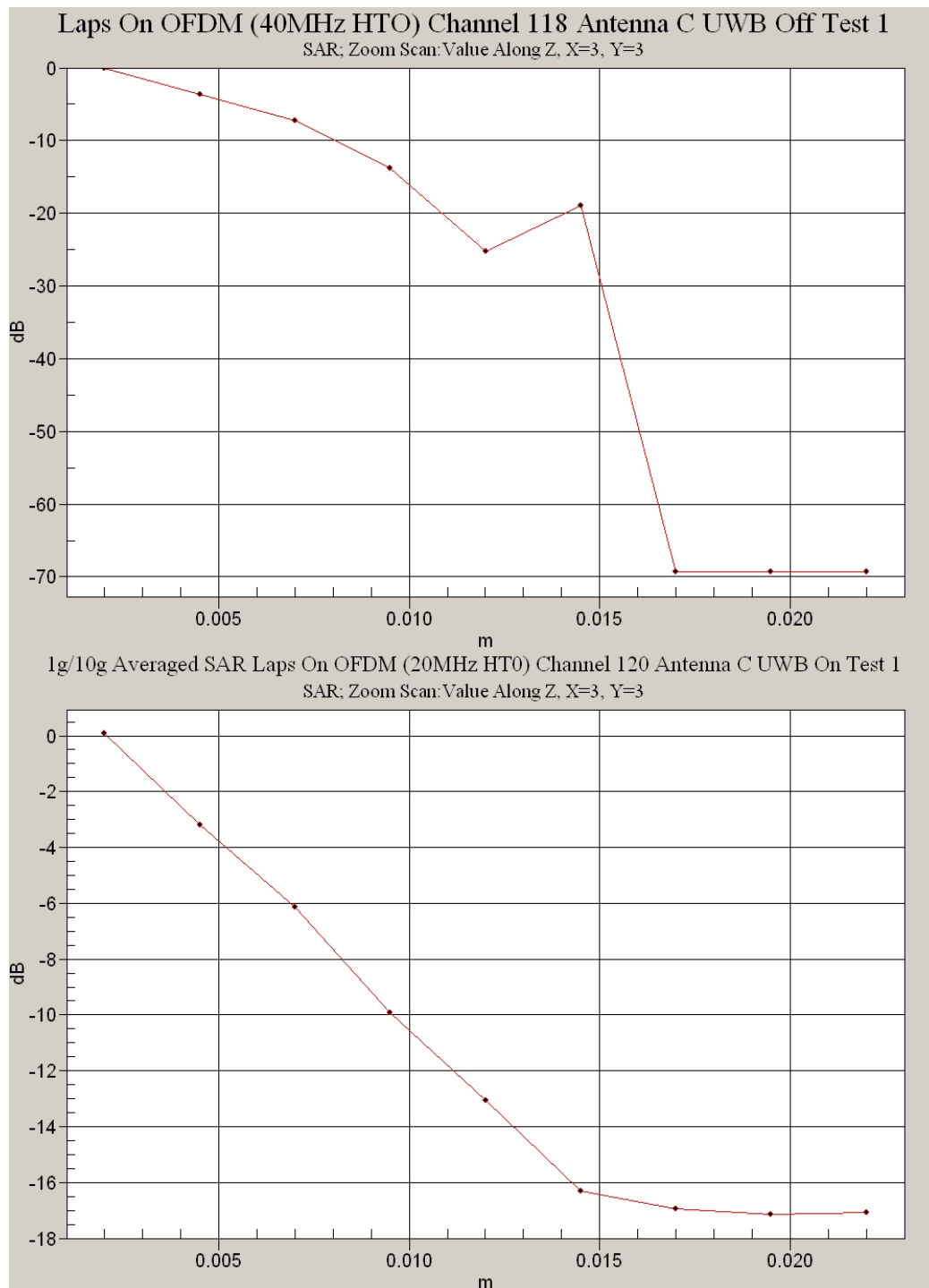
Ambient Temperature
Liquid Temperature
Humidity

21.6 Degrees Celsius
21.1 Degrees Celsius
61.0 %



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Test Date: 26 March 2008

File Name: Laps On OFDM 5.8 GHz Ant C Bluetooth Off 26-03-08.da4

DUT: Fujitsu Notebook Gordon with Shirley Peak 11abgn and Bluetooth; Type: 533AN_HMW; Serial: MAC: 0016EA042716

* Communication System: OFDM 5770 MHz; Frequency: 5785 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 6.18654$ mho/m, $\epsilon_r = 46.48$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.72, 3.72, 3.72)

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

Channel 157 Test/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.250 mW/g

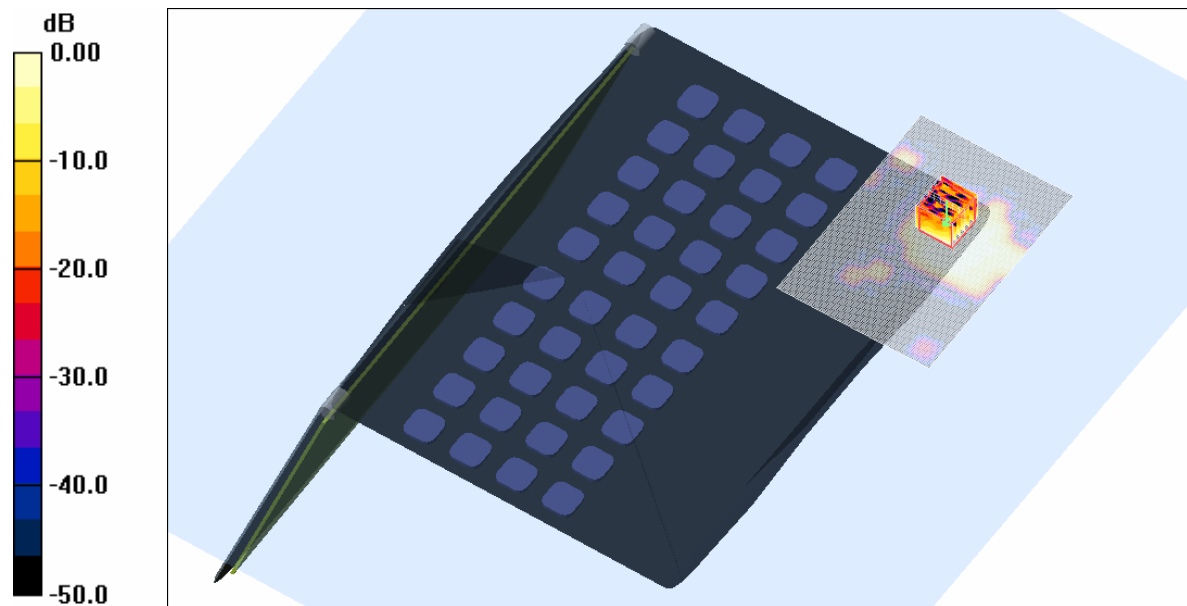
Channel 157 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 5.64 V/m; Power Drift = -0.077 dB

Peak SAR (extrapolated) = 0.405 W/kg

SAR(1 g) = 0.111 mW/g; SAR(10 g) = 0.040 mW/g

Maximum value of SAR (measured) = 0.228 mW/g



0 dB = 0.228mW/g

SAR MEASUREMENT PLOT 13

Ambient Temperature
Liquid Temperature
Humidity

21.8 Degrees Celsius
21.3 Degrees Celsius
54.0 %



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Test Date: 26 March 2008

File Name: Laps On OFDM (20MHz HT0) 5.8 GHz Ant C Bluetooth Off 26-03-08.da4

DUT: Fujitsu Notebook Gordon with Shirley Peak 11abgn and Bluetooth; Type: 533AN_HMW; Serial: MAC: 0016EA042716

* Communication System: OFDM 5770 MHz; Frequency: 5785 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 6.18654$ mho/m, $\epsilon_r = 46.48$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.72, 3.72, 3.72)

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

Channel 157 Test/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.623 mW/g

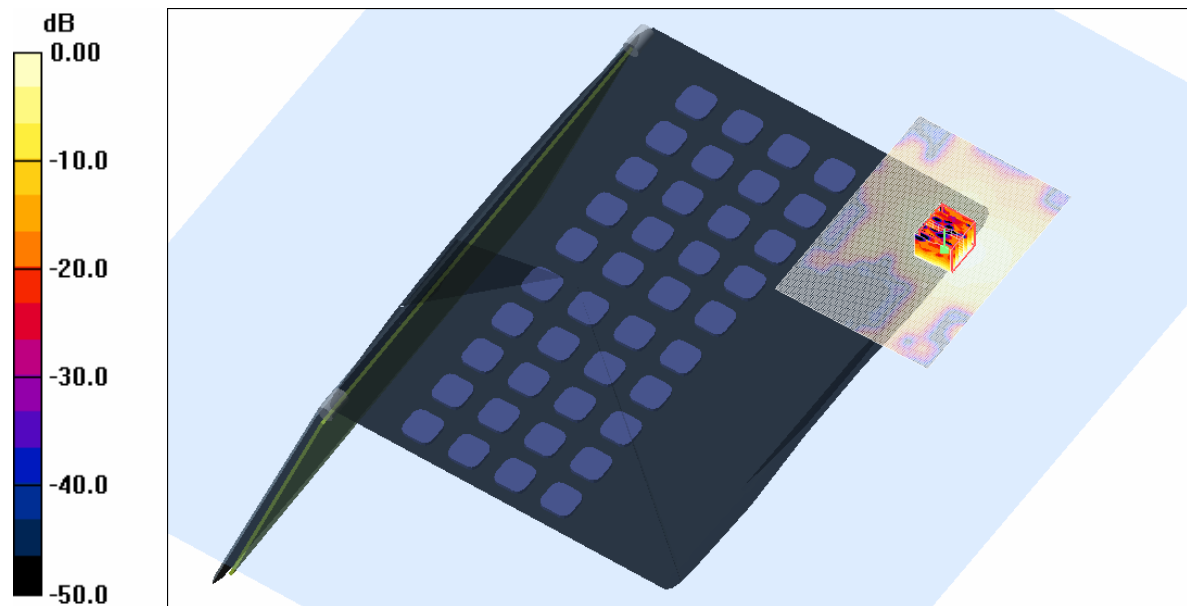
Channel 157 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 6.81 V/m; Power Drift = -0.283 dB

Peak SAR (extrapolated) = 1.22 W/kg

SAR(1 g) = 0.313 mW/g; SAR(10 g) = 0.113 mW/g

Maximum value of SAR (measured) = 0.598 mW/g



0 dB = 0.598mW/g

SAR MEASUREMENT PLOT 14

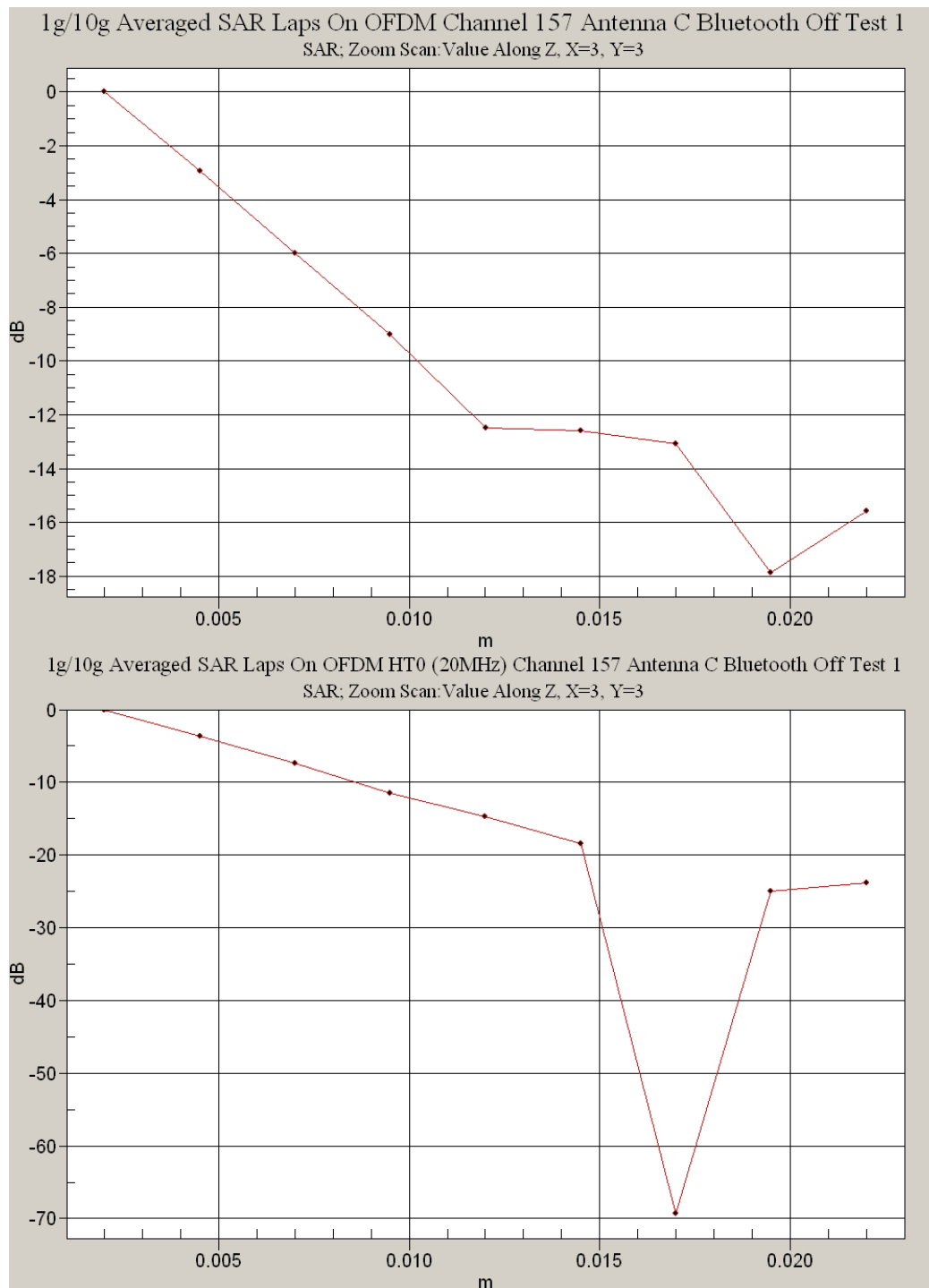
Ambient Temperature
Liquid Temperature
Humidity

21.8 Degrees Celsius
21.3 Degrees Celsius
54.0 %



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Test Date: 26 March 2008

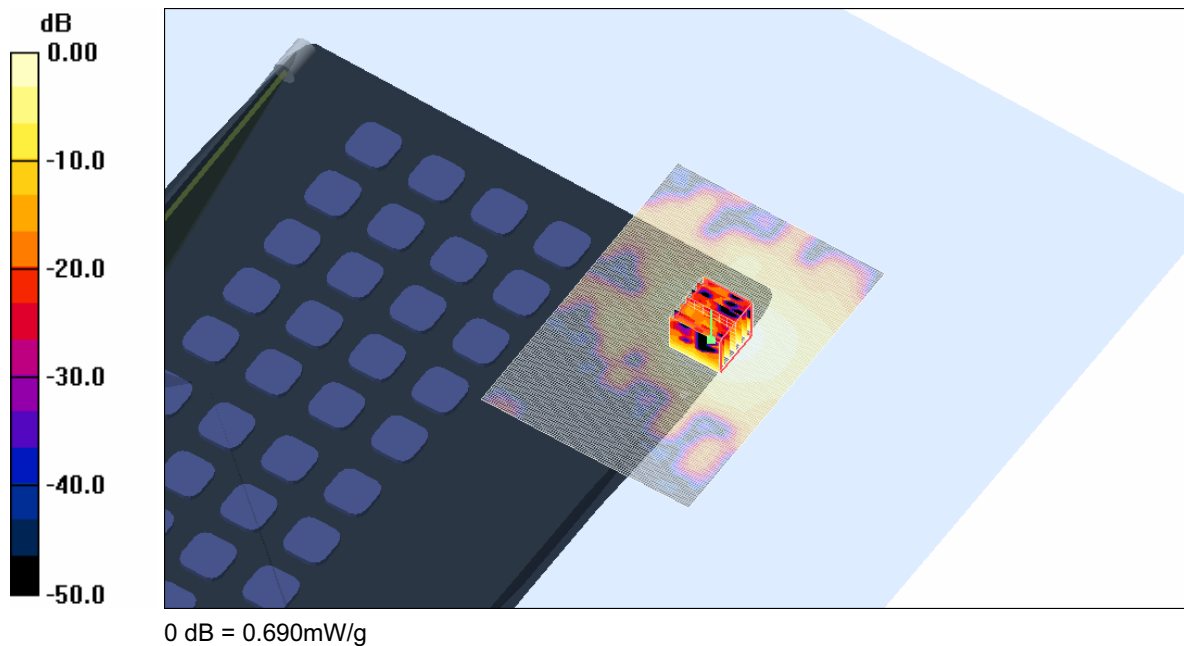
File Name: Laps On OFDM (40MHz HT0) 5.8 GHz Ant C Bluetooth Off 26-03-08.da4

DUT: Fujitsu Notebook Gordon with Shirley Peak 11abgn and Bluetooth; Type: 533AN_HMW; Serial: MAC: 0016EA042716

- * Communication System: OFDM 5770 MHz; Frequency: 5755 MHz; Duty Cycle: 1:1
- * Medium parameters used: $\sigma = 6.13697$ mho/m, $\epsilon_r = 46.557$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.72, 3.72, 3.72)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 151 Test/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.711 mW/g

Channel 151 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 9.12 V/m; Power Drift = -0.116 dB
Peak SAR (extrapolated) = 1.34 W/kg
SAR(1 g) = 0.365 mW/g; SAR(10 g) = 0.135 mW/g
Maximum value of SAR (measured) = 0.690 mW/g



SAR MEASUREMENT PLOT 15

Ambient Temperature
Liquid Temperature
Humidity

21.8 Degrees Celsius
21.3 Degrees Celsius
54.0 %



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Test Date: 26 March 2008

File Name: Laps On OFDM (40MHz HT0) 5.8 GHz Ant C Bluetooth Off 26-03-08.da4

DUT: Fujitsu Notebook Gordon with Shirley Peak 11abgn and Bluetooth; Type: 533AN_HMW; Serial: MAC: 0016EA042716

* Communication System: OFDM 5770 MHz; Frequency: 5795 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 6.18773$ mho/m, $\epsilon_r = 46.4107$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.72, 3.72, 3.72)

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

Channel 159 Test/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.648 mW/g

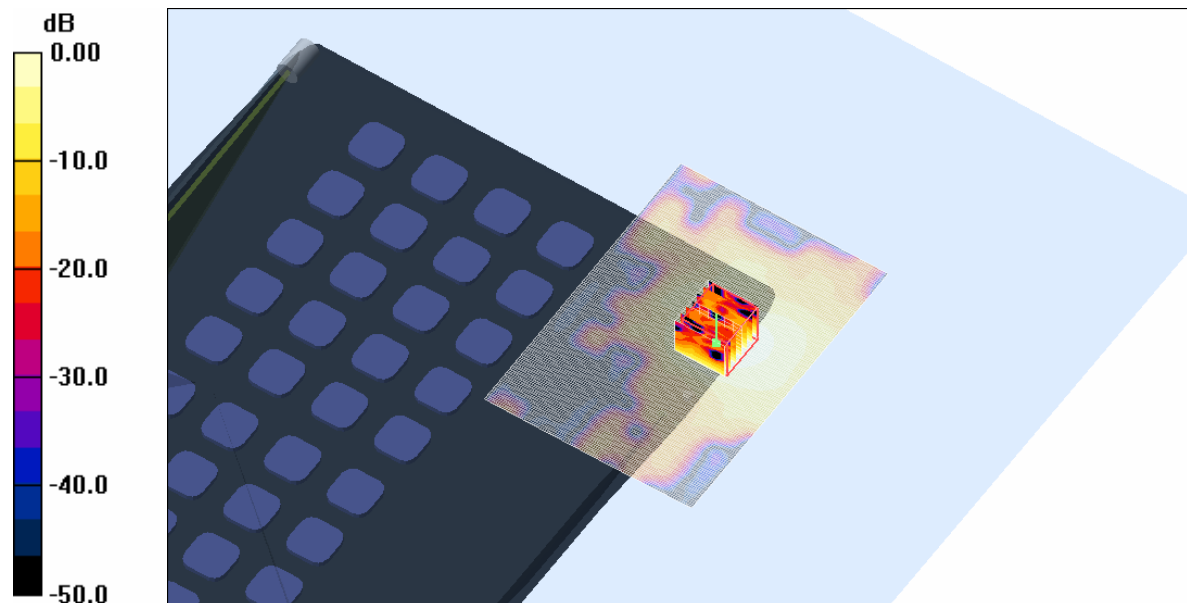
Channel 159 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 7.80 V/m; Power Drift = -0.058 dB

Peak SAR (extrapolated) = 1.29 W/kg

SAR(1 g) = 0.331 mW/g; SAR(10 g) = 0.123 mW/g

Maximum value of SAR (measured) = 0.626 mW/g



0 dB = 0.626mW/g

SAR MEASUREMENT PLOT 16

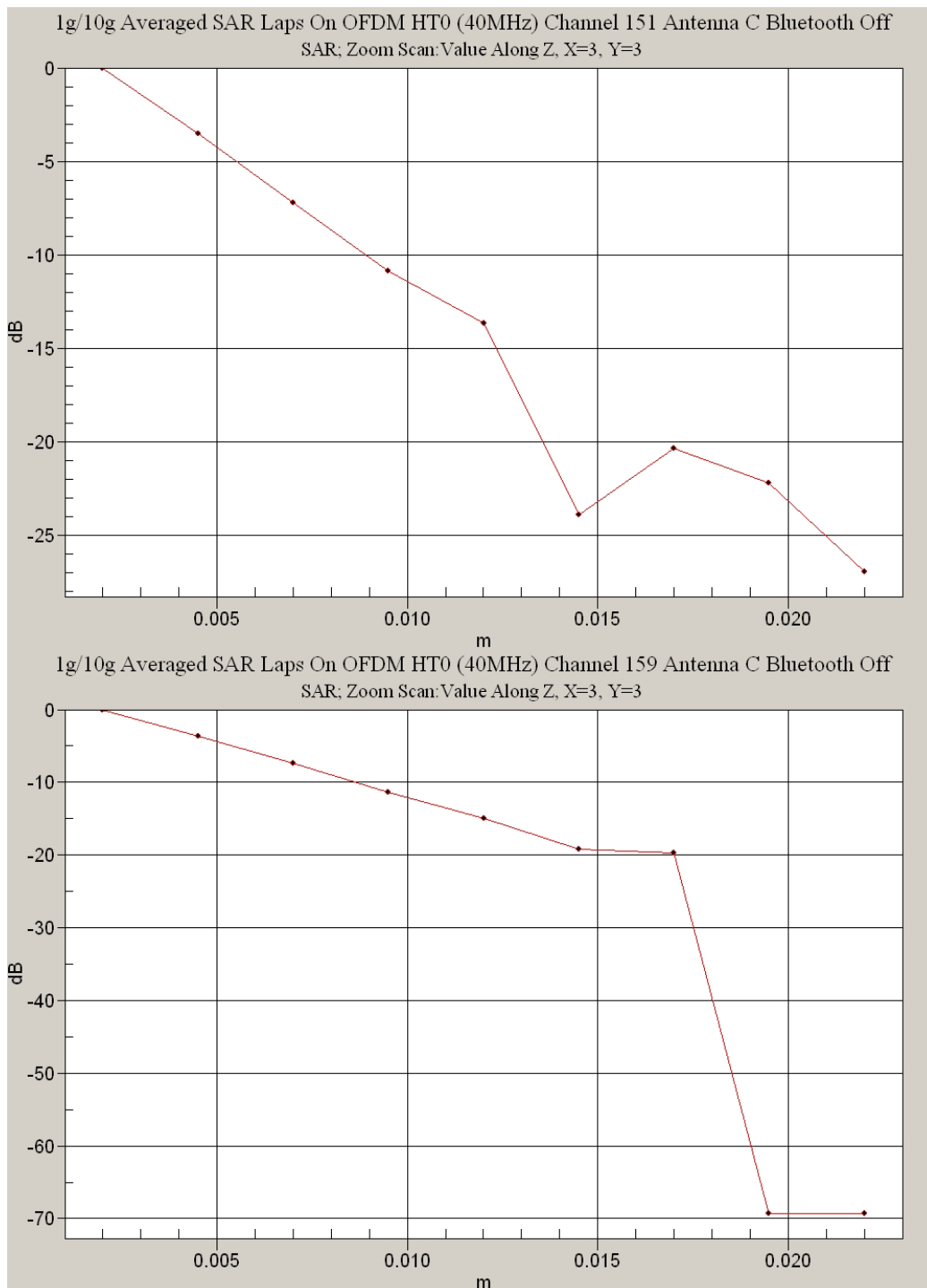
Ambient Temperature
Liquid Temperature
Humidity

21.8 Degrees Celsius
21.3 Degrees Celsius
54.0 %



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Test Date: 26 March 2008

File Name: Laps On OFDM (40MHz HT0) 5.8 GHz Ant C Bluetooth On 26-03-08.da4

DUT: Fujitsu Notebook Gordon with Shirley Peak 11abgn and Bluetooth; Type: 533AN_HMW; Serial: MAC: 0016EA042716

* Communication System: OFDM 5770 MHz; Frequency: 5755 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 6.13697$ mho/m, $\epsilon_r = 46.557$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.72, 3.72, 3.72)

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

Channel 151 Test/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.714 mW/g

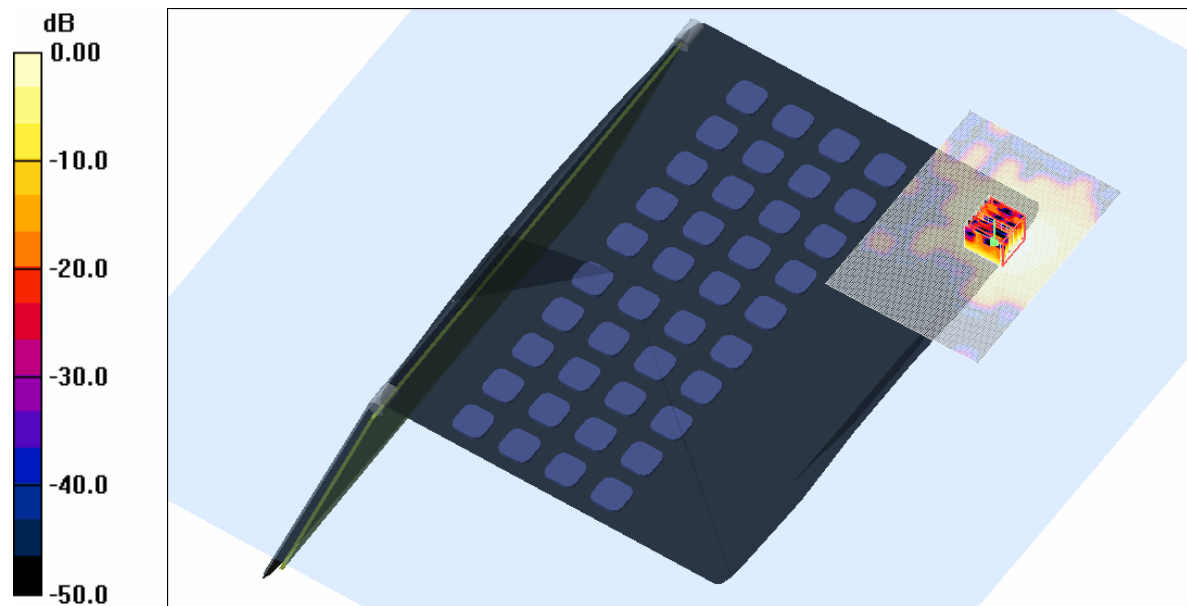
Channel 151 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 9.21 V/m; Power Drift = -0.321 dB

Peak SAR (extrapolated) = 1.35 W/kg

SAR(1 g) = 0.363 mW/g; SAR(10 g) = 0.135 mW/g

Maximum value of SAR (measured) = 0.691 mW/g



0 dB = 0.691mW/g

SAR MEASUREMENT PLOT 17

Ambient Temperature
Liquid Temperature
Humidity

21.8 Degrees Celsius
21.3 Degrees Celsius
54.0 %



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Test Date: 20 March 2008

File Name: Validation 5200 MHz (DAE442 Probe3563) 20-03-07.da4

DUT: Dipole 5200_5800 MHz; Type: D5GHzV2; Serial: 1008

* Communication System: CW 5200 MHz; Frequency: 5200 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 4.81747$ mho/m, $\epsilon_r = 35.7181$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(4.25, 4.25, 4.25)

- Phantom: SAM 12; Serial: 1060; Phantom section: Flat Section

Channel 1 Test/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 39.2 mW/g

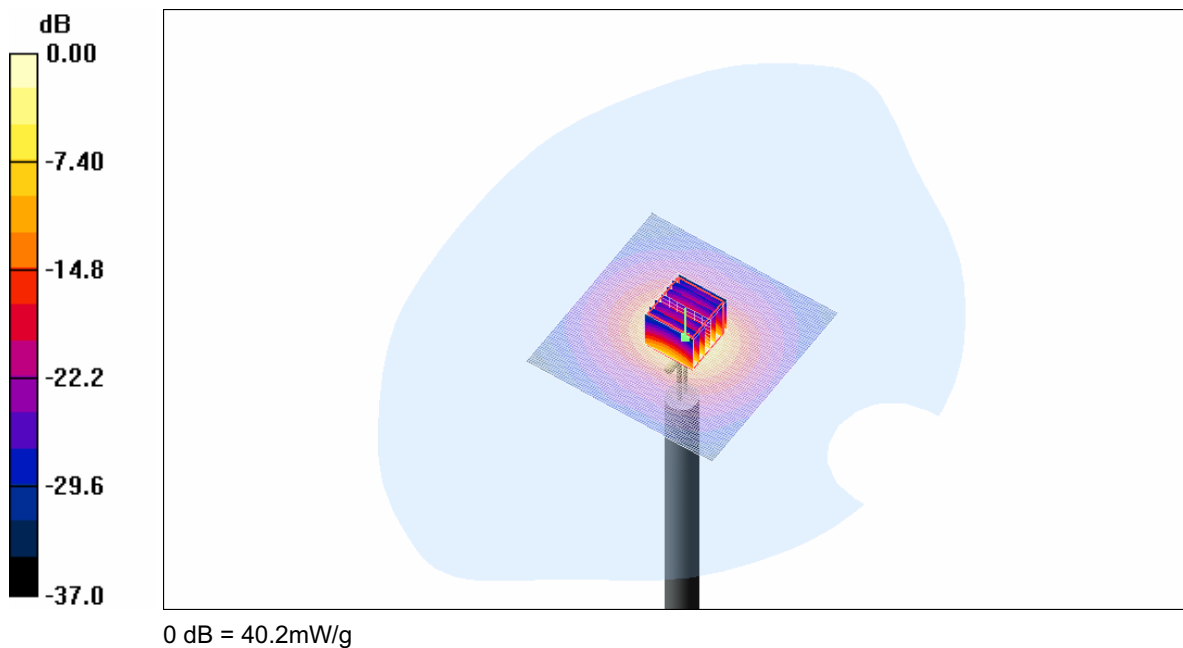
Channel 1 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 97.3 V/m; Power Drift = -0.037 dB

Peak SAR (extrapolated) = 72.0 W/kg

SAR(1 g) = 19.1 mW/g; SAR(10 g) = 5.43 mW/g

Maximum value of SAR (measured) = 40.2 mW/g



SAR MEASUREMENT PLOT 18

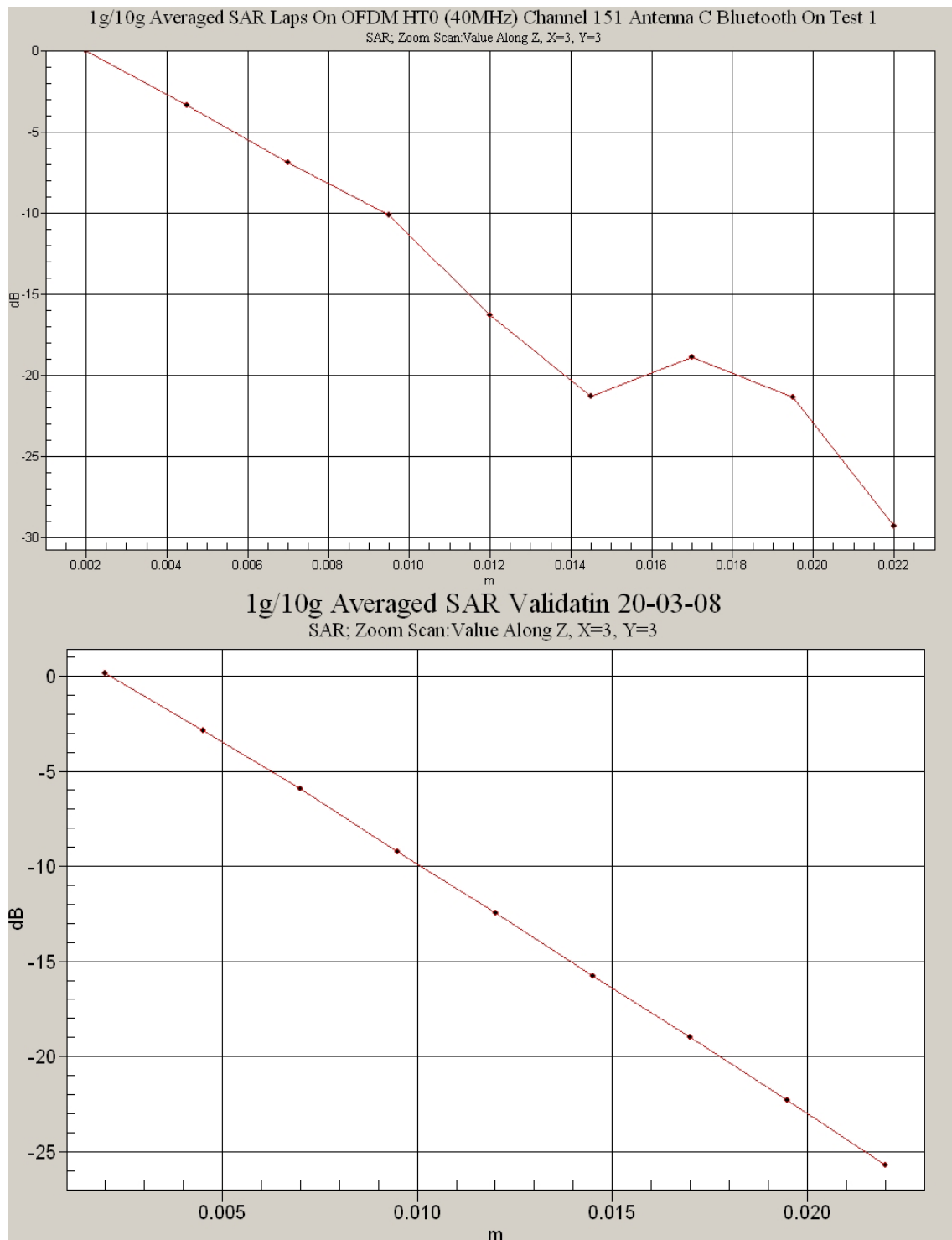
Ambient Temperature
Liquid Temperature
Humidity

22.4 Degrees Celsius
21.9 Degrees Celsius
54.0 %



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Test Date: 25 March 2008

File Name: Validation 5500MHz (DAE 442 Probe EX3DV4) 25-03-08.da4

DUT: Dipole 5200_5800 MHz; Type: D5GHzV2; Serial: 1008

* Communication System: CW 5500 MHz; Frequency: 5500 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 4.96347$ mho/m, $\epsilon_r = 35.2664$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(4.03, 4.03, 4.03)

- Phantom: SAM 12; Serial: 1060; Phantom section: Flat Section

Channel 1 Test/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 45.3 mW/g

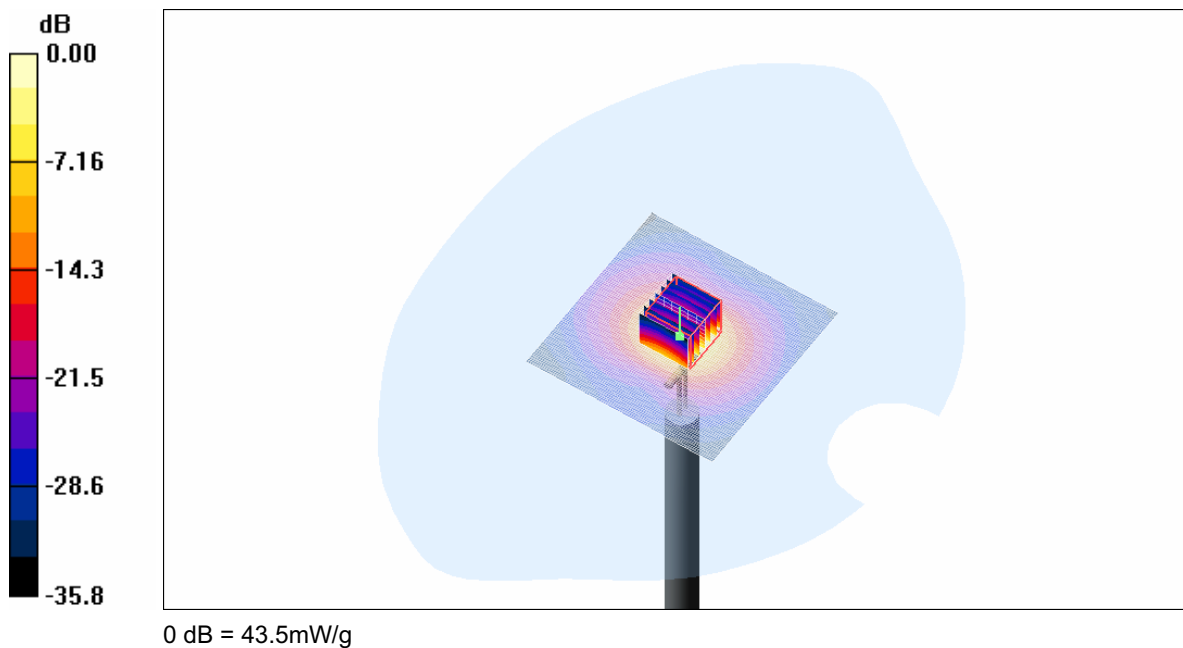
Channel 1 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 99.9 V/m; Power Drift = 0.028 dB

Peak SAR (extrapolated) = 82.2 W/kg

SAR(1 g) = 20.7 mW/g; SAR(10 g) = 5.92 mW/g

Maximum value of SAR (measured) = 43.5 mW/g



SAR MEASUREMENT PLOT 19

Ambient Temperature
Liquid Temperature
Humidity

21.6 Degrees Celsius
21.1 Degrees Celsius
61.0 %



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Test Date: 26 March 2008

File Name: Validation 5800MHz (DAE 442 Probe EX3DV4) 26-03-08.da4

DUT: Dipole 5200_5800 MHz; Type: D5GHzV2; Serial: 1008

* Communication System: CW 5800 MHz; Frequency: 5800 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 5.36786$ mho/m, $\epsilon_r = 34.7543$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.65, 3.65, 3.65)

- Phantom: SAM 12; Serial: 1060; Phantom section: Flat Section

Channel 1 Test/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 41.9 mW/g

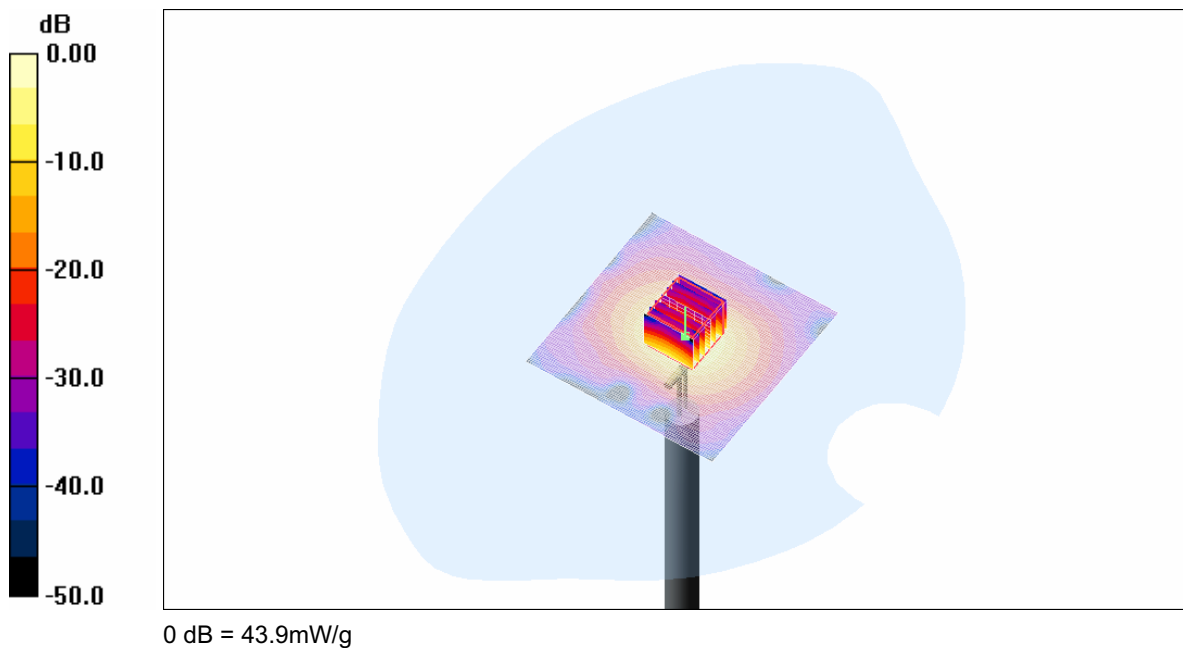
Channel 1 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 94.4 V/m; Power Drift = 0.041 dB

Peak SAR (extrapolated) = 88.3 W/kg

SAR(1 g) = 20.2 mW/g; SAR(10 g) = 5.65 mW/g

Maximum value of SAR (measured) = 43.9 mW/g



SAR MEASUREMENT PLOT 20

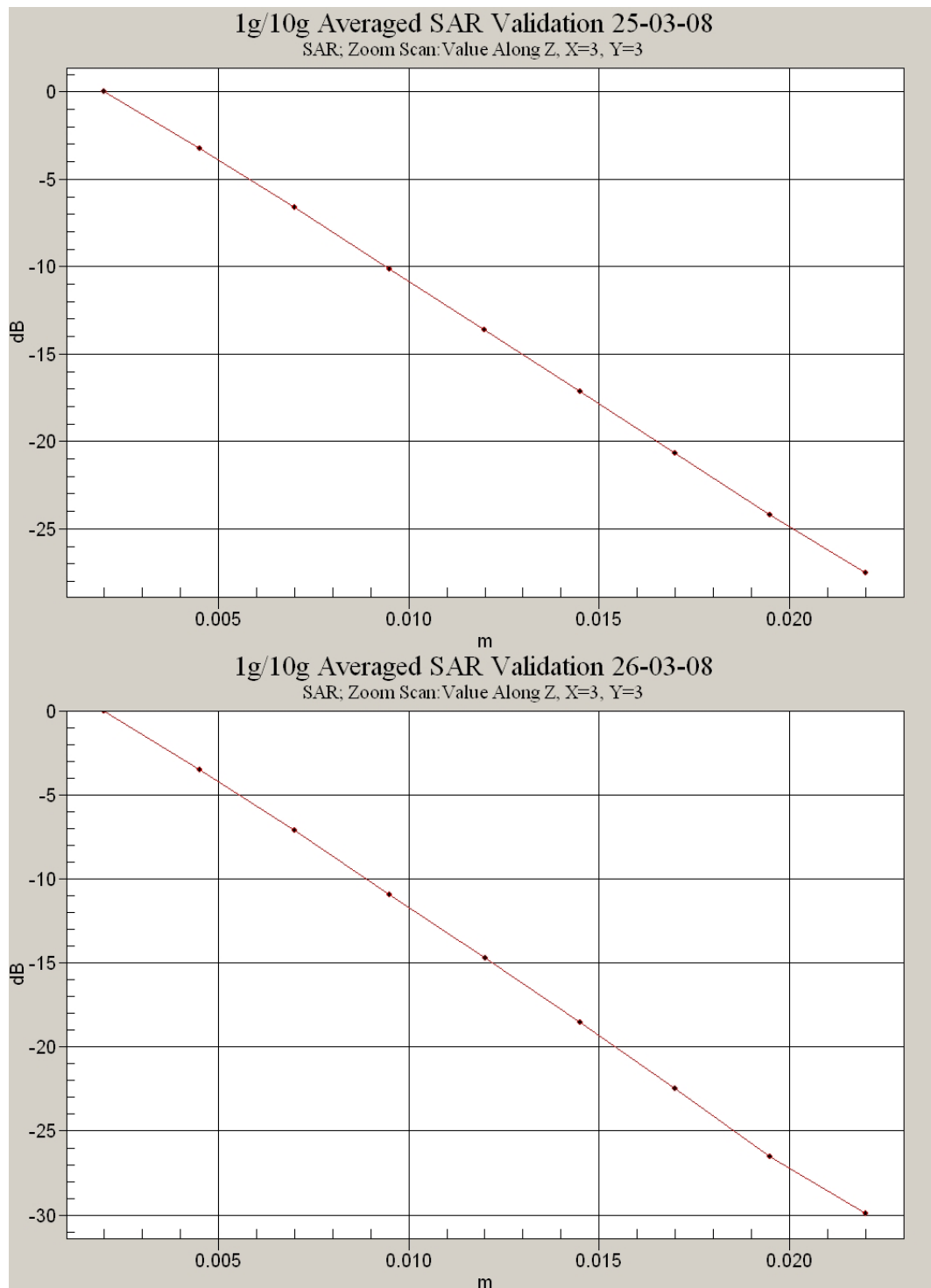
Ambient Temperature
Liquid Temperature
Humidity

21.8 Degrees Celsius
21.3 Degrees Celsius
54.0 %



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