

Test Date: 16 September 2006

File Name: [Edge On OFDM 5.25 GHz Antenna Aux Side Bluetooth Off 16-09-06.da4](#)

DUT: Fujitsu Tablet Chalice with Golan 11abg and Bluetooth; Type: 3945 ABG; Serial: Host: R6700003

\* Communication System: OFDM 5250 MHz; Frequency: 5180 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $\sigma = 5.2503$  mho/m,  $\epsilon_r = 46.604$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.84, 3.84, 3.84)

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

**Channel 36 Test/Area Scan (81x121x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.233 mW/g

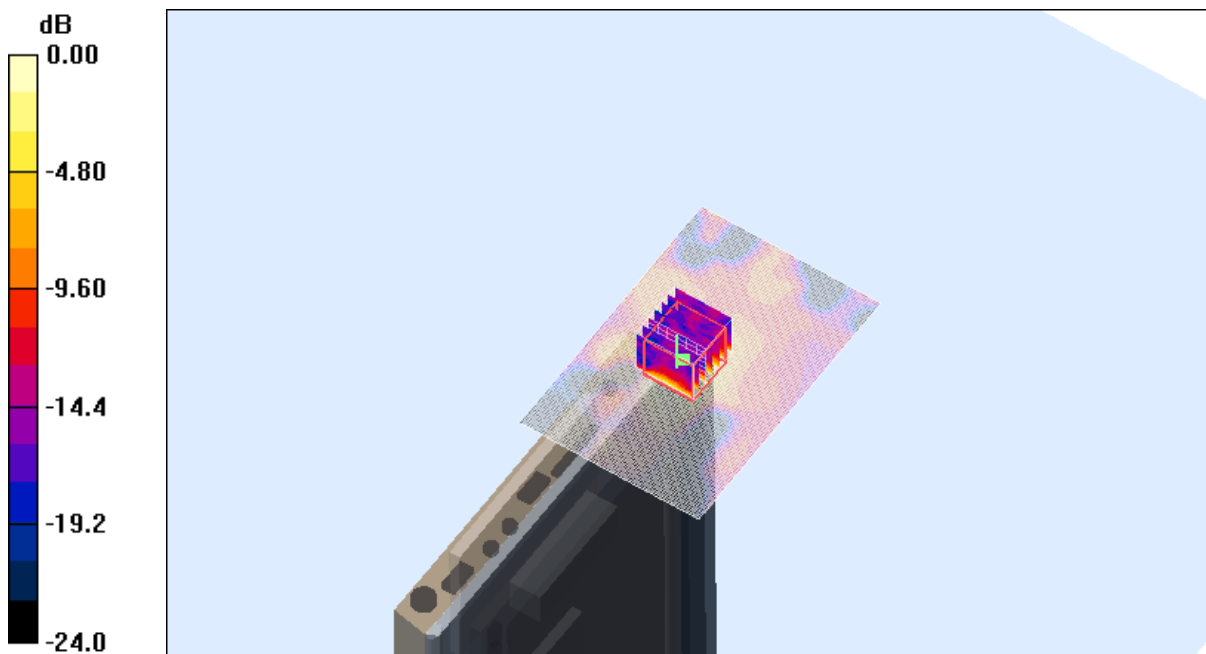
**Channel 36 Test/Zoom Scan (7x7x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 7.49 V/m; Power Drift = 0.194 dB

Peak SAR (extrapolated) = 0.589 W/kg

**SAR(1 g) = 0.167 mW/g; SAR(10 g) = 0.050 mW/g**

Maximum value of SAR (measured) = 0.356 mW/g



0 dB = 0.356mW/g

**SAR MEASUREMENT PLOT 7**

Ambient Temperature  
Liquid Temperature  
Humidity

20.2 Degrees Celsius  
19.8 Degrees Celsius  
46.0 %

Test Date: 16 September 2006

File Name: [Edge On OFDM 5.25 GHz Antenna Aux Side Bluetooth Off 16-09-06.da4](#)

DUT: Fujitsu Tablet Chalice with Golan 11abg and Bluetooth; Type: 3945 ABG; Serial: Host: R6700003

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

\* Medium parameters used:  $\sigma = 5.44662$  mho/m,  $\epsilon_r = 46.3941$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.84, 3.84, 3.84)

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

**Channel 52 Test/Area Scan (81x121x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.283 mW/g

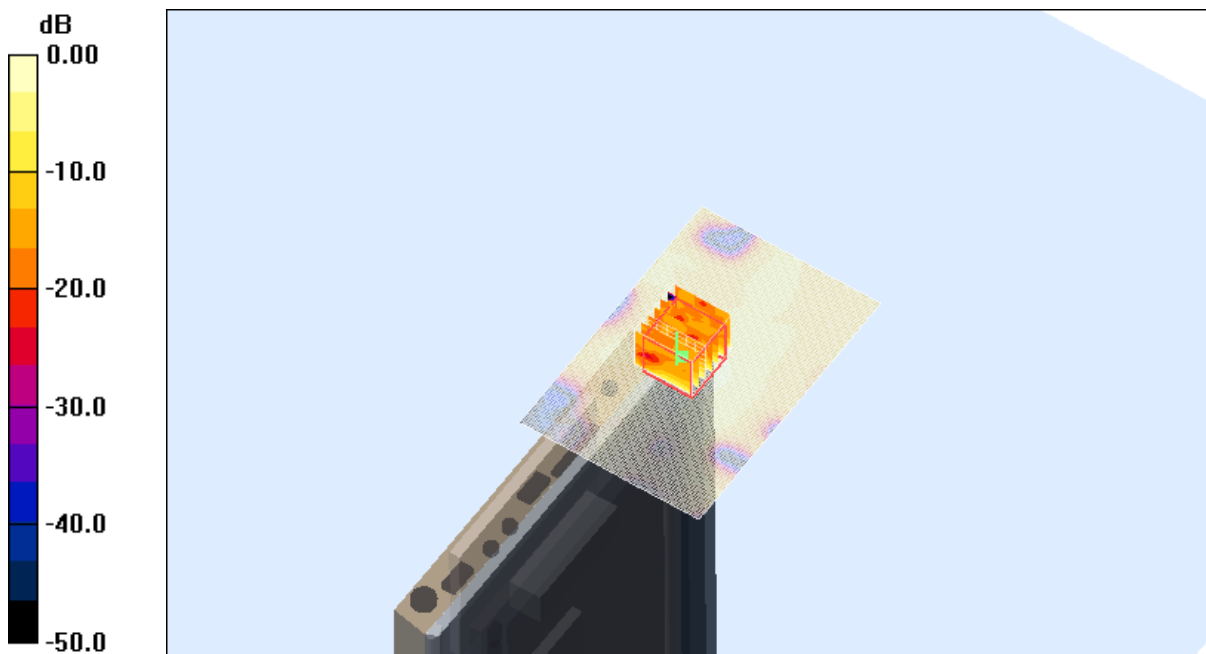
**Channel 52 Test/Zoom Scan (7x7x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 7.53 V/m; Power Drift = 0.102 dB

Peak SAR (extrapolated) = 0.664 W/kg

**SAR(1 g) = 0.171 mW/g; SAR(10 g) = 0.049 mW/g**

Maximum value of SAR (measured) = 0.400 mW/g



0 dB = 0.400mW/g

**SAR MEASUREMENT PLOT 8**

Ambient Temperature  
Liquid Temperature  
Humidity

20.2 Degrees Celsius  
19.8 Degrees Celsius  
46.0 %

Test Date: 16 September 2006

File Name: [Edge On OFDM 5.25 GHz Antenna Aux Side Bluetooth Off 16-09-06.da4](#)

DUT: Fujitsu Tablet Chalice with Golan 11abg and Bluetooth; Type: 3945 ABG; Serial: Host: R6700003

\* Communication System: OFDM 5250 MHz; Frequency: 5320 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $\sigma = 5.51326$  mho/m,  $\epsilon_r = 46.0136$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.84, 3.84, 3.84)

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

**Channel 64 Test/Area Scan (81x121x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.306 mW/g

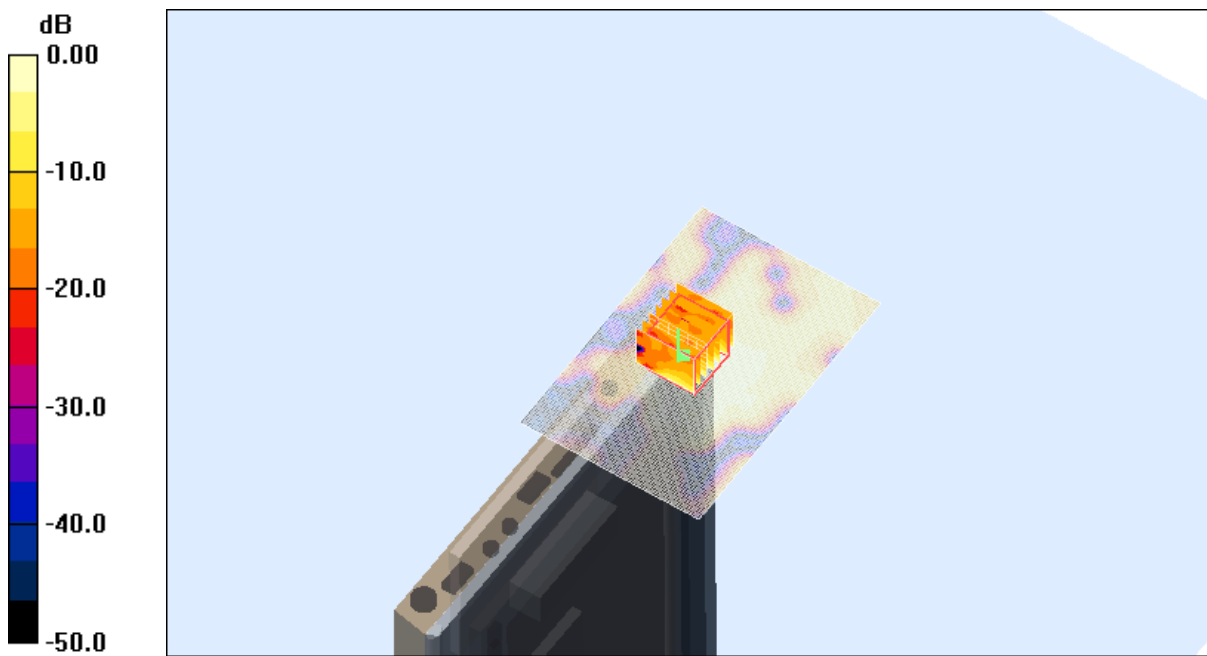
**Channel 64 Test/Zoom Scan (7x7x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 6.73 V/m; Power Drift = 0.391 dB

Peak SAR (extrapolated) = 0.542 W/kg

**SAR(1 g) = 0.144 mW/g; SAR(10 g) = 0.042 mW/g**

Maximum value of SAR (measured) = 0.322 mW/g



0 dB = 0.322mW/g

**SAR MEASUREMENT PLOT 9**

Ambient Temperature  
Liquid Temperature  
Humidity

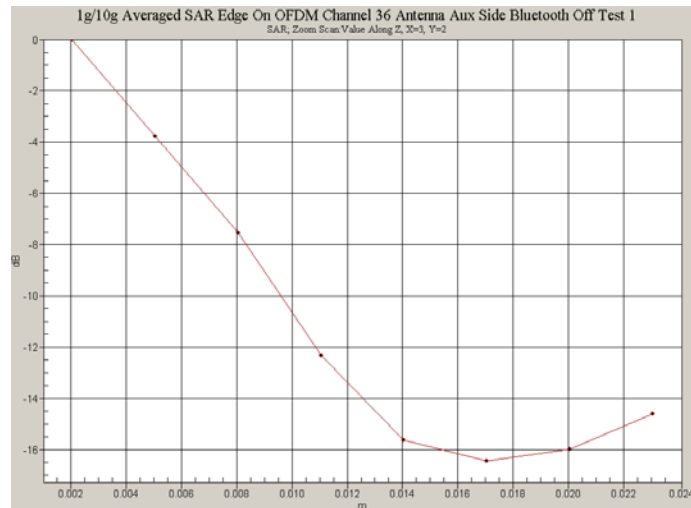
20.2 Degrees Celsius  
19.8 Degrees Celsius  
46.0 %



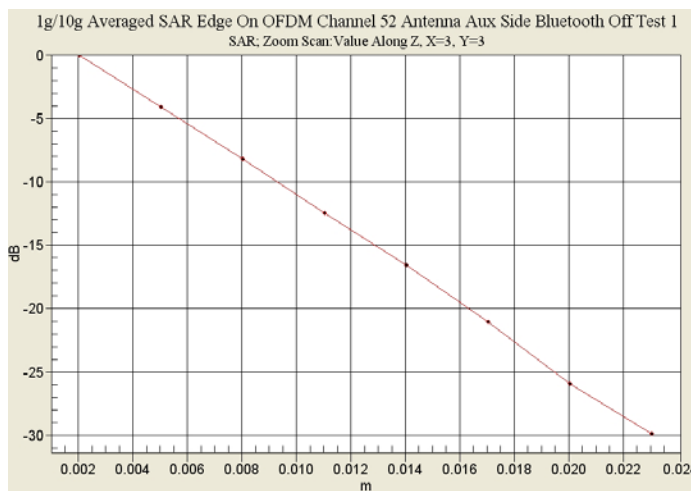
This document must not be copied or reproduced, except in full without the written permission of the Manager, EMC Technologies Pty Ltd

[www.emctech.com.au](http://www.emctech.com.au)

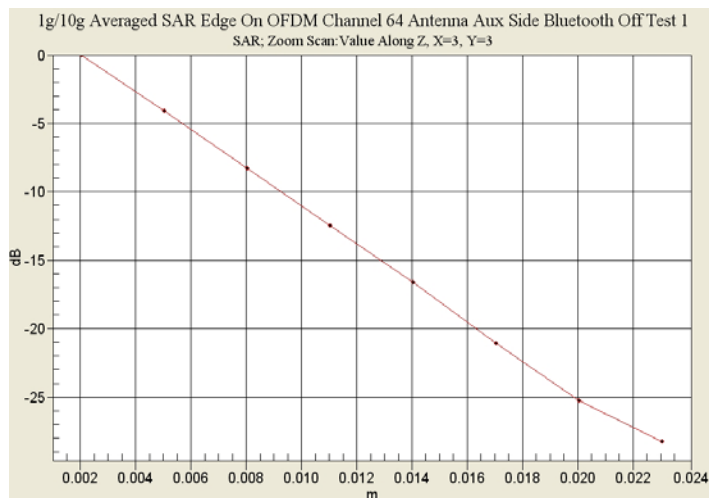
Z-Axis graph for plot 7



Z-Axis graph for plot 8



Z-Axis graph for plot 9



Test Date: 16 September 2006

File Name: [Arm Held OFDM 5.25 GHz Antenna Aux Bluetooth On 16-09-06.da4](#)

DUT: Fujitsu Tablet Chalice with Golan 11abg and Bluetooth; Type: 3945 ABG; Serial: Host: R6700003

\* Communication System: OFDM 5250 MHz; Frequency: 5320 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $\sigma = 5.51326$  mho/m,  $\epsilon_r = 46.0136$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.84, 3.84, 3.84)

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

**Channel 64 Test/Area Scan (81x121x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 2.68 mW/g

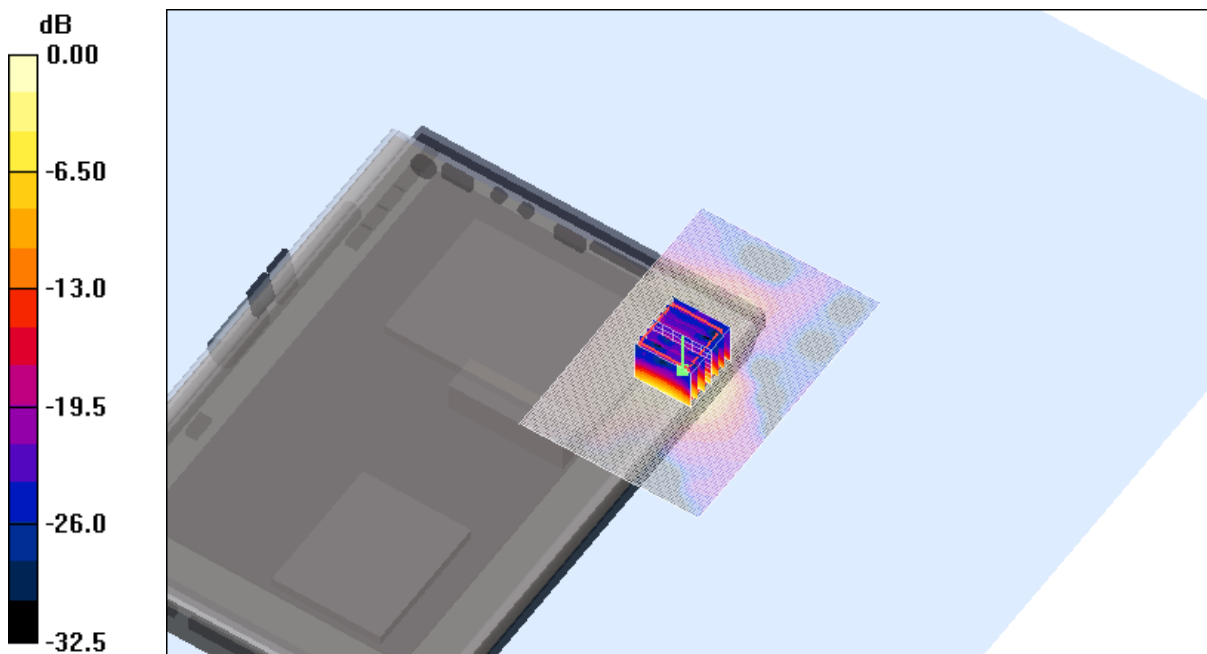
**Channel 64 Test/Zoom Scan (7x7x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 20.2 V/m; Power Drift = -0.107 dB

Peak SAR (extrapolated) = 4.86 W/kg

**SAR(1 g) = 1.36 mW/g; SAR(10 g) = 0.476 mW/g**

Maximum value of SAR (measured) = 2.65 mW/g



0 dB = 2.65mW/g

**SAR MEASUREMENT PLOT 10**

Ambient Temperature  
Liquid Temperature  
Humidity

20.2 Degrees Celsius  
19.8 Degrees Celsius  
46.0 %

Test Date: 16 September 2006

File Name: [Arm Held OFDM 5.25 GHz Antenna Main Bluetooth On 16-09-06.da4](#)

DUT: Fujitsu Tablet Chalice with Golan 11abg and Bluetooth; Type: 3945 ABG; Serial: Host: R6700003

\* Communication System: OFDM 5250 MHz; Frequency: 5320 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $\sigma = 5.51326$  mho/m,  $\epsilon_r = 46.0136$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.84, 3.84, 3.84)

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

**Channel 64 Test/Area Scan (81x121x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 2.60 mW/g

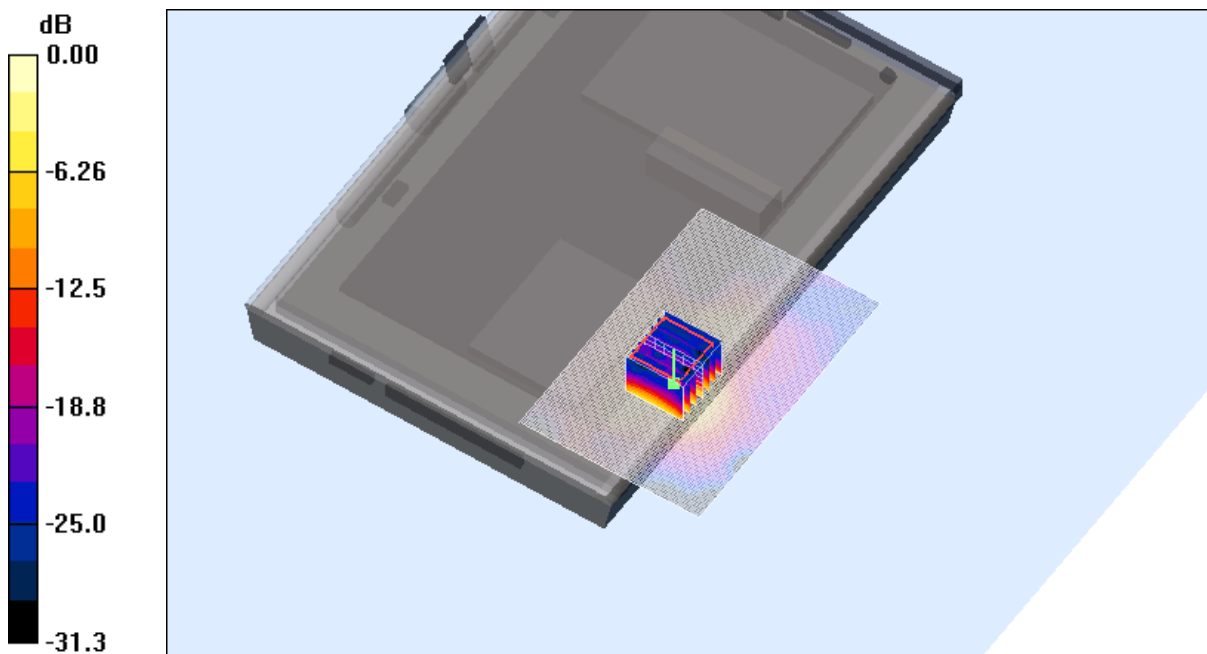
**Channel 64 Test/Zoom Scan (7x7x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 9.93 V/m; Power Drift = -0.275 dB

Peak SAR (extrapolated) = 4.92 W/kg

**SAR(1 g) = 1.34 mW/g; SAR(10 g) = 0.438 mW/g**

Maximum value of SAR (measured) = 2.68 mW/g



0 dB = 2.68mW/g

**SAR MEASUREMENT PLOT 11**

Ambient Temperature  
Liquid Temperature  
Humidity

20.2 Degrees Celsius  
19.8 Degrees Celsius  
46.0 %

Test Date: 16 September 2006

File Name: [Validation 5200MHz \(DAE 442 Probe EX3DV4\) 16-09-06.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:  $\sigma = 4.69878$  mho/m,  $\epsilon_r = 34.6752$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(4.18, 4.18, 4.18)

- Phantom: SAM 22; Serial: 1260; Phantom section: Flat Section

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

Maximum value of SAR (interpolated) = 40.5 mW/g

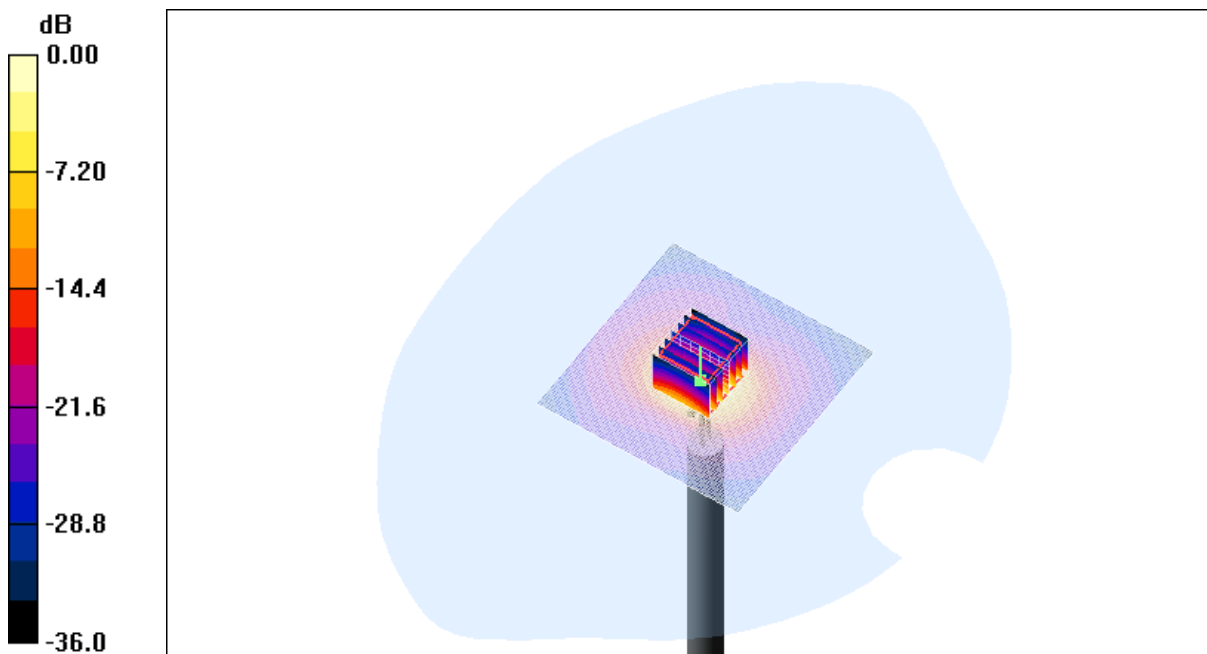
**Channel 1 Test/Zoom Scan (7x7x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 97.1 V/m; Power Drift = 0.191 dB

Peak SAR (extrapolated) = 75.7 W/kg

**SAR(1 g) = 20.2 mW/g; SAR(10 g) = 5.77 mW/g**

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



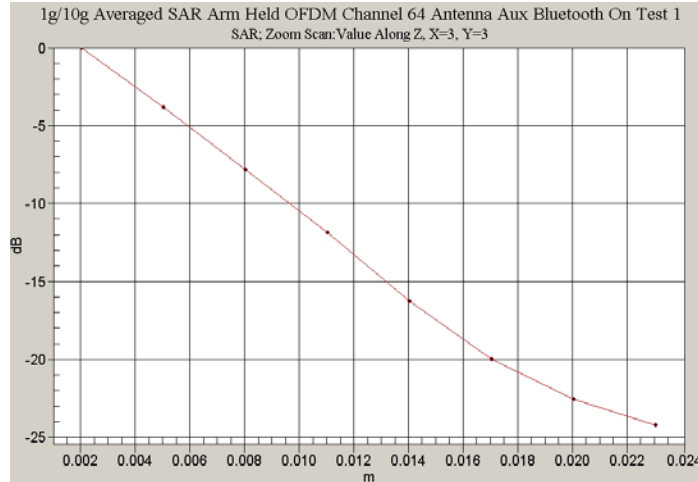
0 dB = 41.9mW/g

**SAR MEASUREMENT PLOT 12**

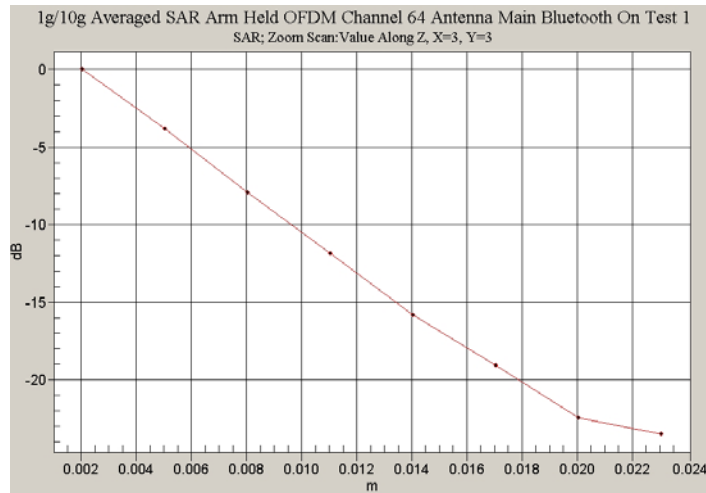
Ambient Temperature  
Liquid Temperature  
Humidity

20.2 Degrees Celsius  
19.8 Degrees Celsius  
46.0 %

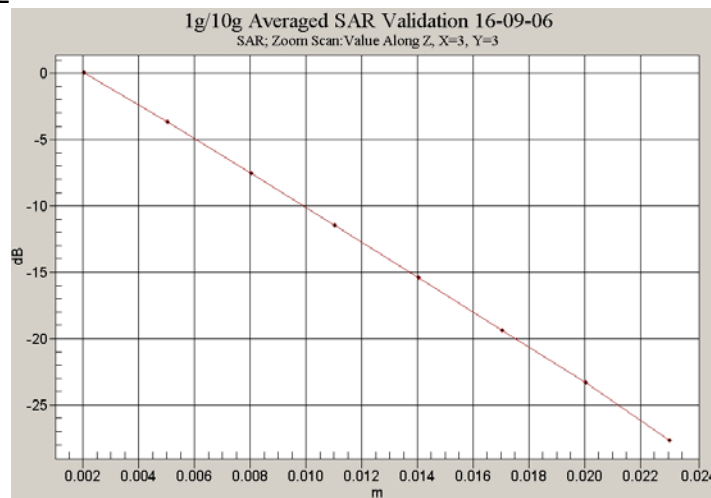
Z-Axis graph for plot 10



Z-Axis graph for plot 11



Z-Axis graph for plot 12





## APPENDIX C

### SAR TESTING EQUIPMENT CALIBRATION CERTIFICATE ATTACHMENTS

#### Calibration Certificate Attachments

- |  |         |
|--|---------|
| 1. 5800MHz E-Field Probe Calibration Sheet | 8 Pages |
| 2. 5GHz Dipole Calibration Sheet           | 7 Pages |