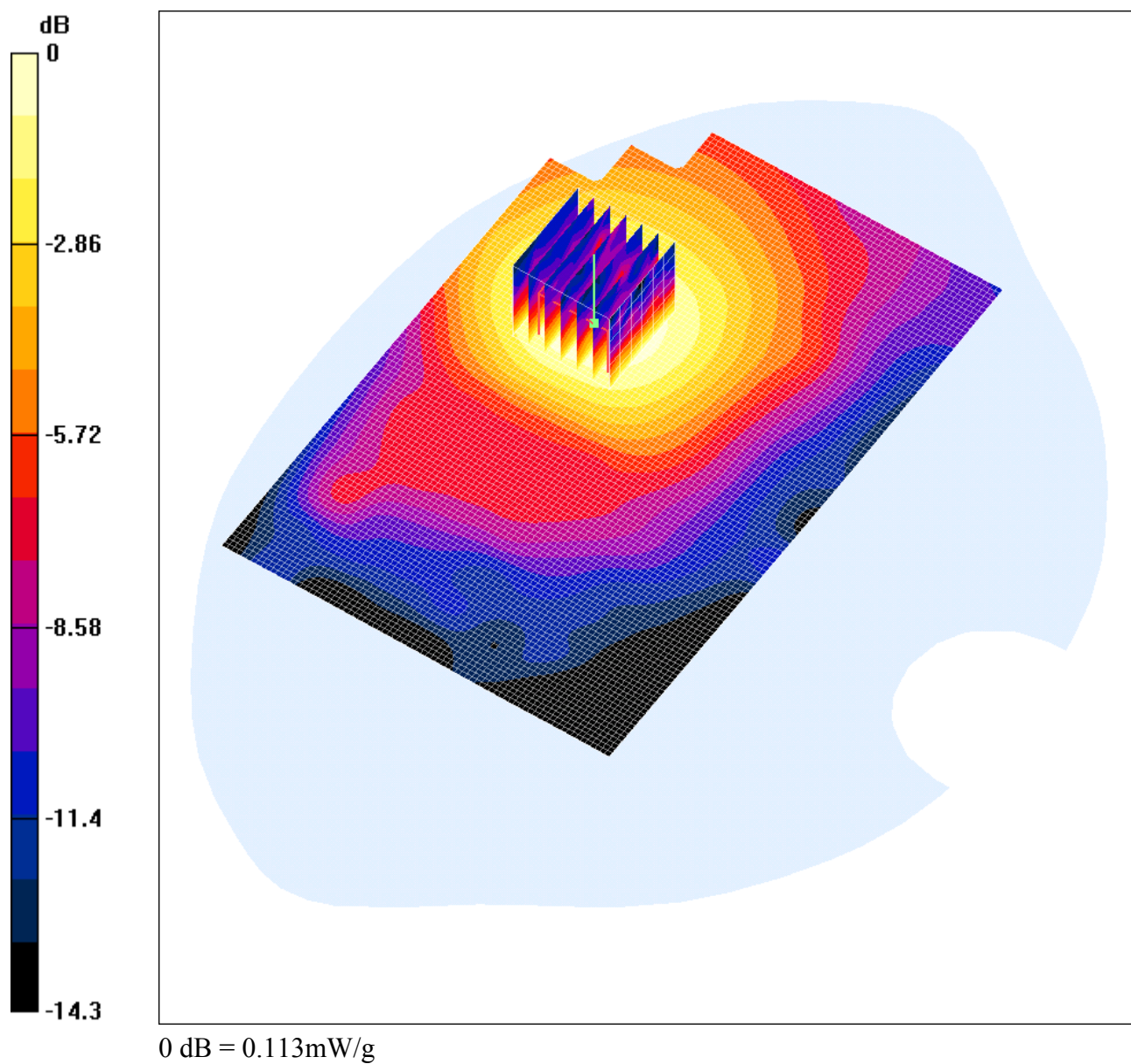
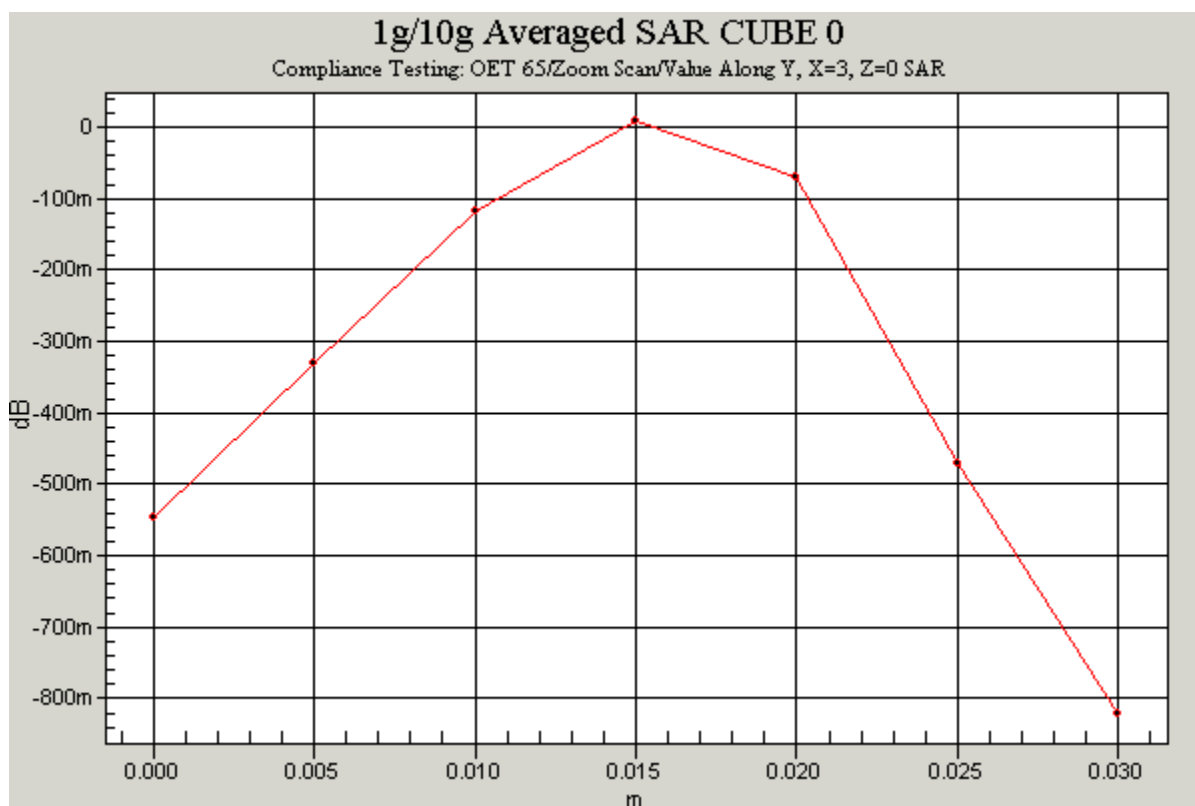
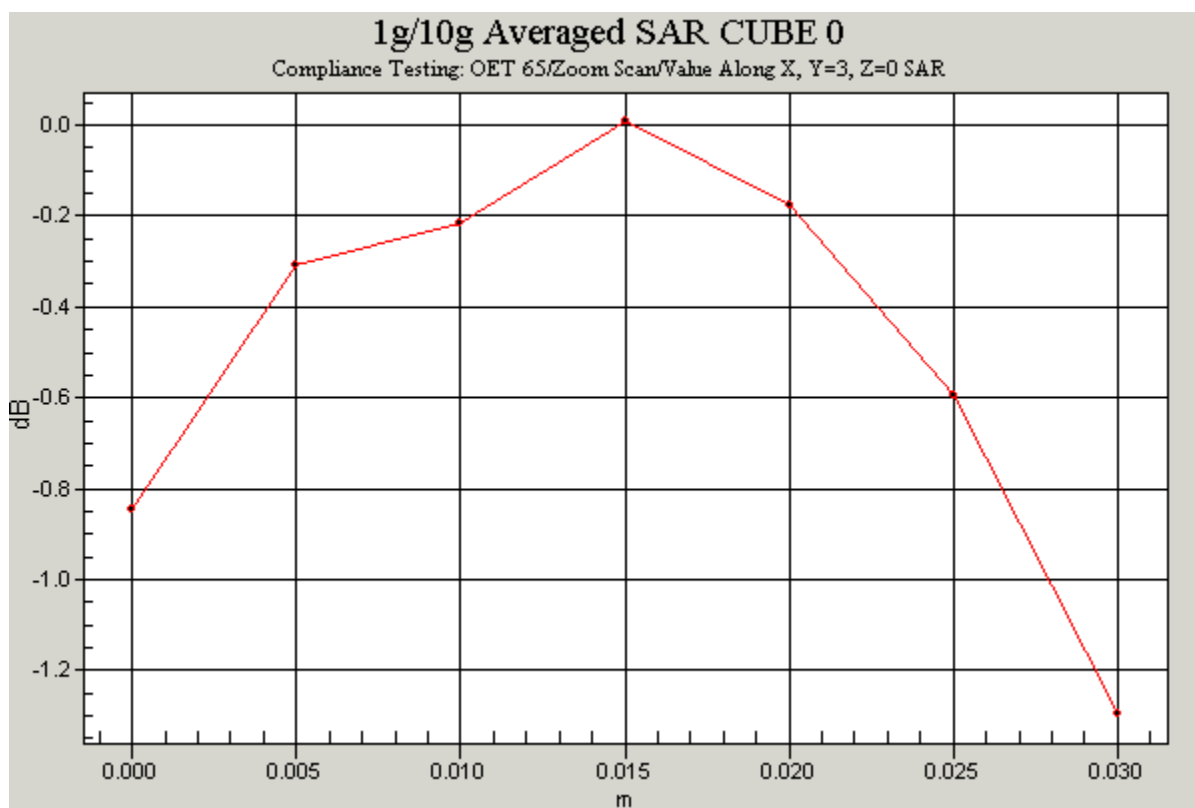


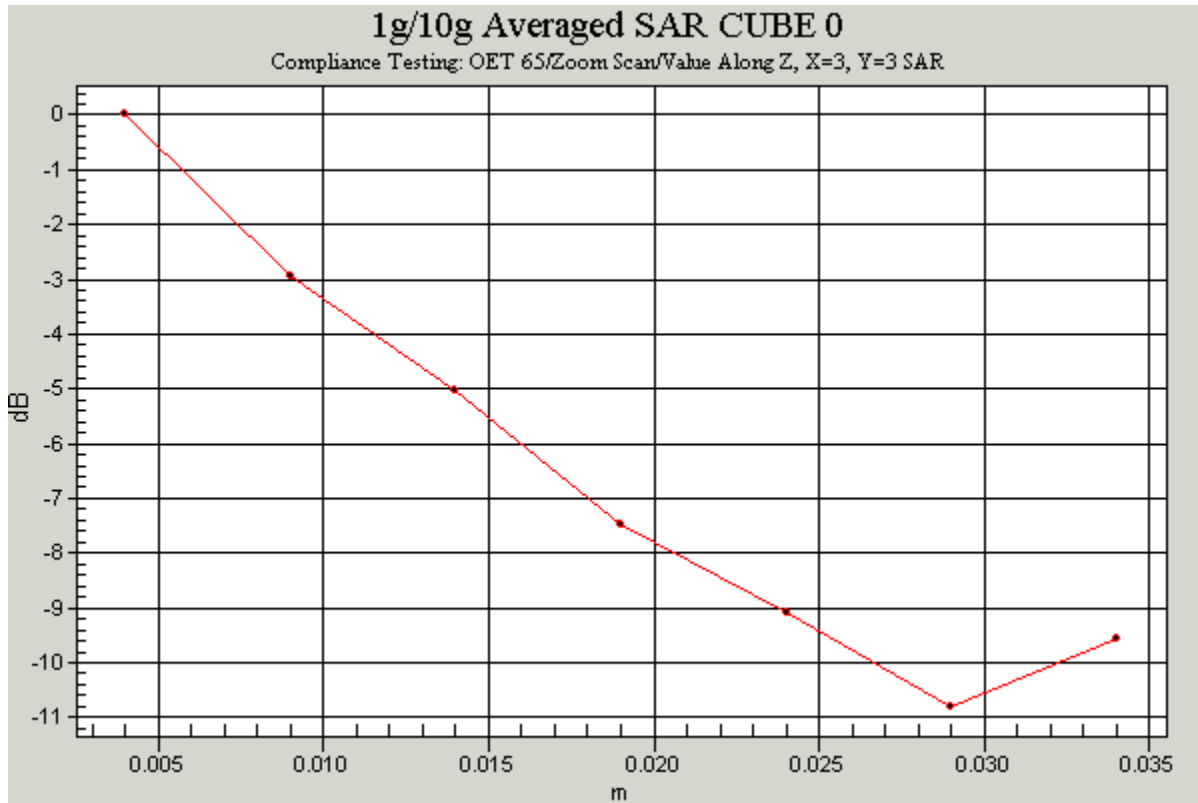
Date: 23/07/04

45219/07/016

Test Laboratory: RADIO FREQUENCY INVESTIGATION LTD.

**45219_JD07_Flat_Section_2600MHz_6MHz Channel_0 Degrees to
Phantom_PCMCIA_Modem_in_Top_Slot_UMAX Host****DUT: IP Wireless UK Ltd.; Type: 6MHz Channel PCMCIA Modem; Serial: FD5D34100F213**





Communication System: TDCDMA - 6MHz Channel; Frequency: 2596 MHz; Duty Cycle: 1:3
 Medium: 2450MHz MSL Medium parameters used (interpolated): $f = 2596$ MHz; $\sigma = 2.19$ mho/m; $\epsilon_r = 53.5$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1529; ConvF(4.05, 4.05, 4.05); Calibrated: 09/06/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 14/05/2004
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

0 Degrees to Phantom, PCMCIA Modem in Top Slot/Area Scan (81x121x1): Measurement

grid: dx=15mm, dy=15mm

Reference Value = 2.68 V/m; Power Drift = 0.1 dB

Maximum value of SAR (interpolated) = 0.114 mW/g

0 Degrees to Phantom, PCMCIA Modem in Top Slot/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.68 V/m; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 0.113 mW/g

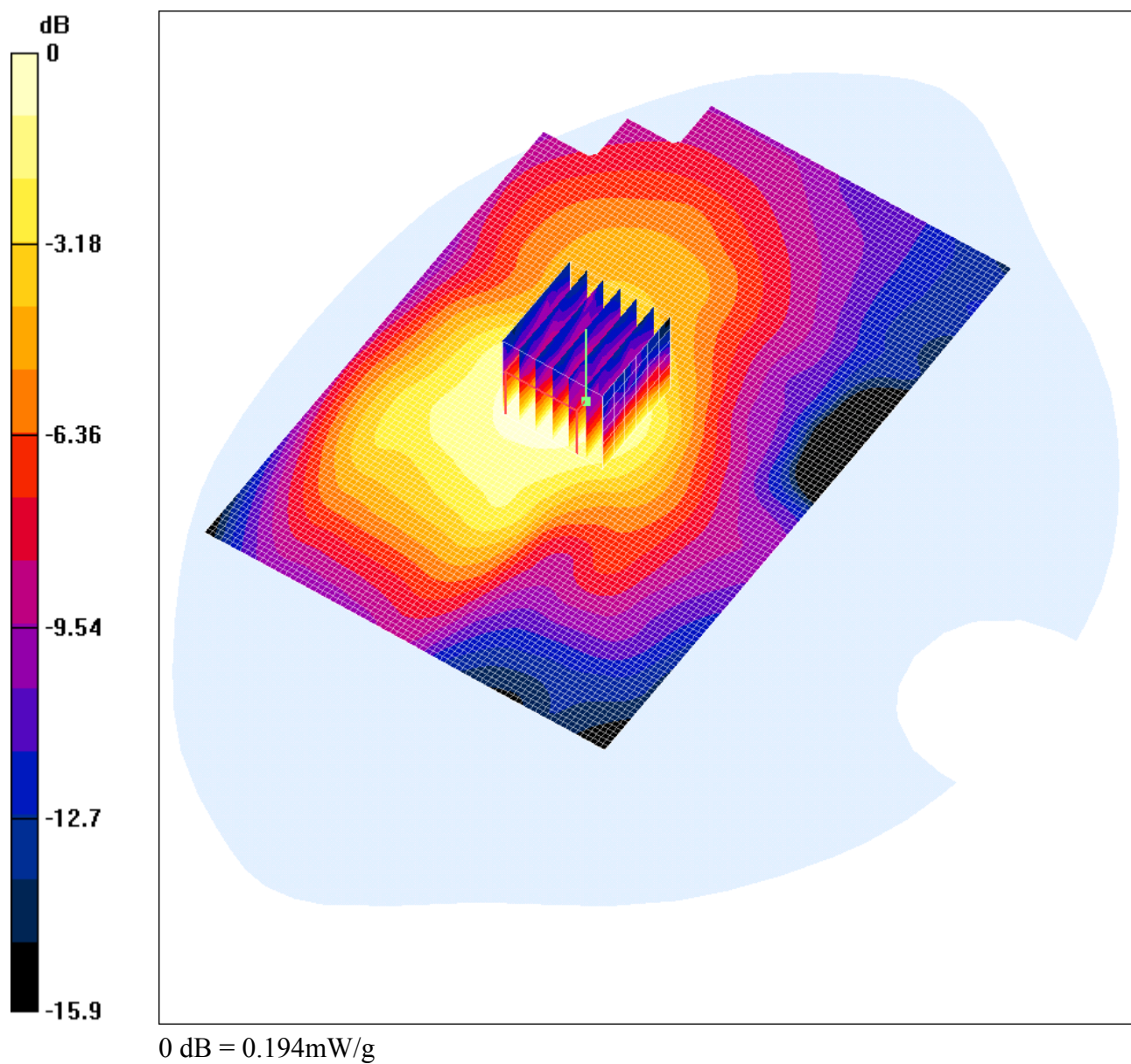
Peak SAR (extrapolated) = 0.238 W/kg

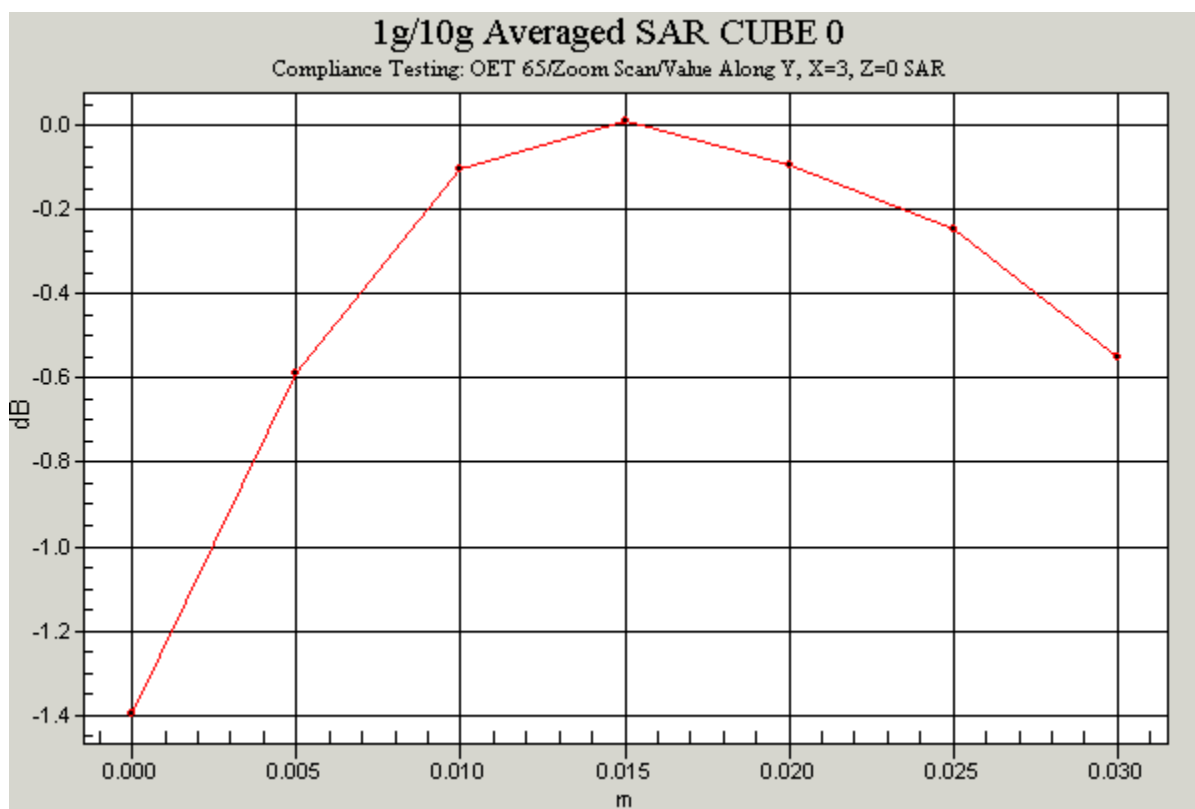
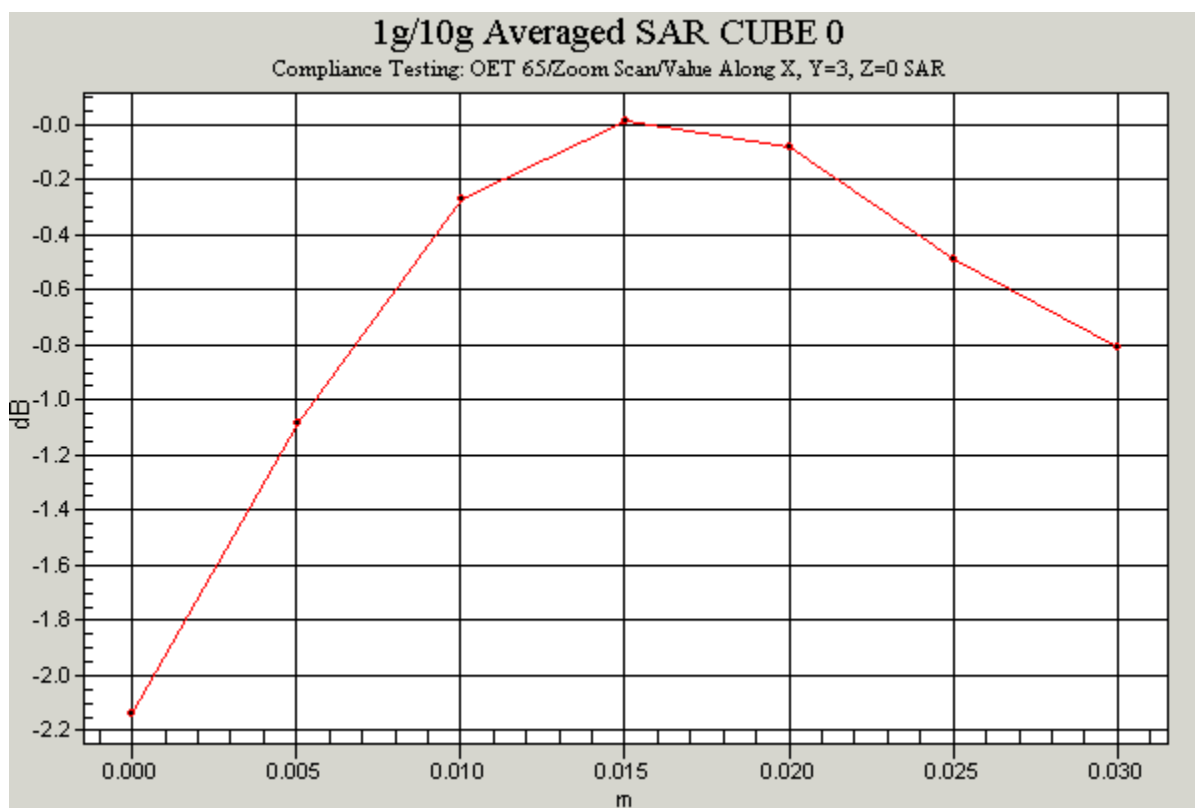
SAR(1 g) = 0.108 mW/g; SAR(10 g) = 0.063 mW/g

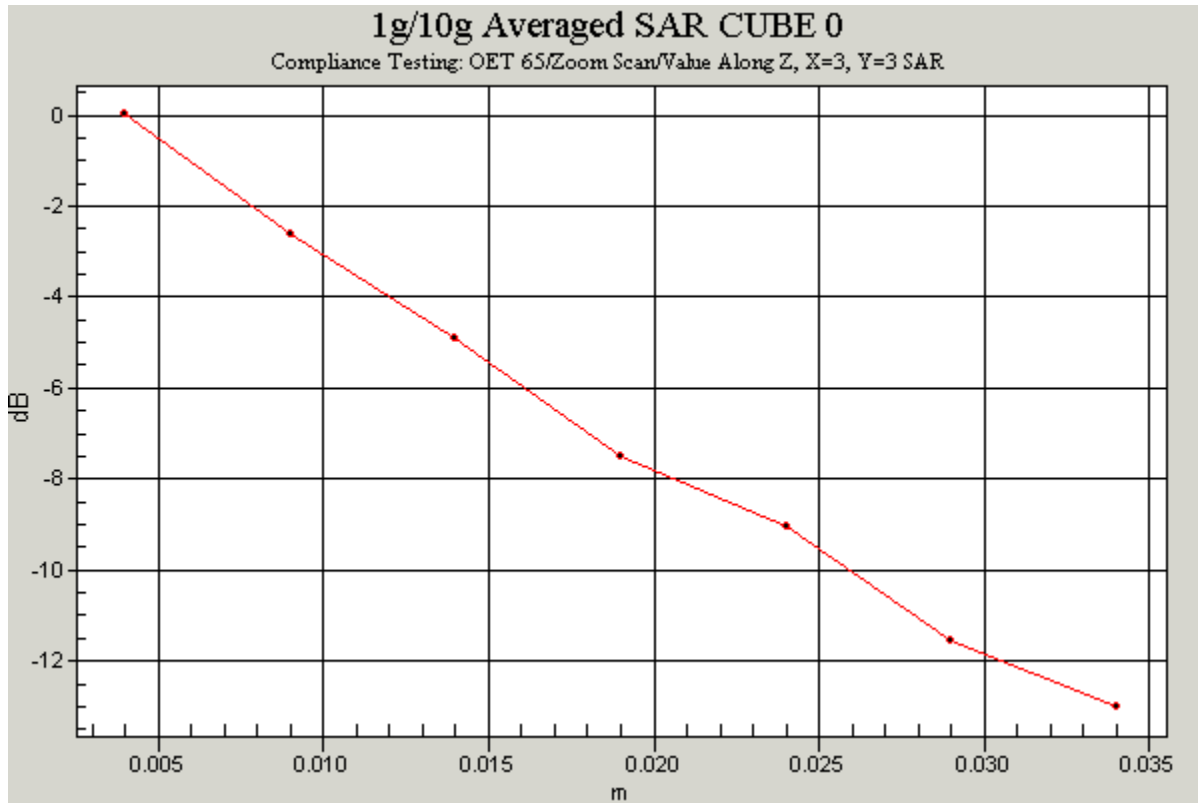
Date: 23/07/04

45219/07/017

Test Laboratory: RADIO FREQUENCY INVESTIGATION LTD.

**45219_JD07_Flat_Section_2600MHz_6MHz Channel_0 Degrees to
Phantom_PCMCIA_Modem_in_Bottom_Slot_UMAX Host****DUT: IP Wireless UK Ltd.; Type: 6MHz Channel PCMCIA Modem; Serial: FD5D34100F213**





Communication System: TDCDMA - 6MHz Channel; Frequency: 2596 MHz; Duty Cycle: 1:3
 Medium: 2450MHz MSL Medium parameters used (interpolated): $f = 2596$ MHz; $\sigma = 2.19$ mho/m; $\epsilon_r = 53.5$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1529; ConvF(4.05, 4.05, 4.05); Calibrated: 09/06/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 14/05/2004
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

0 Degrees to Phantom, PCMCIA Modem in Bottom Slot/Area Scan (81x121x1):

Measurement grid: dx=15mm, dy=15mm
 Reference Value = 4.82 V/m; Power Drift = -7e-006 dB
 Maximum value of SAR (interpolated) = 0.200 mW/g

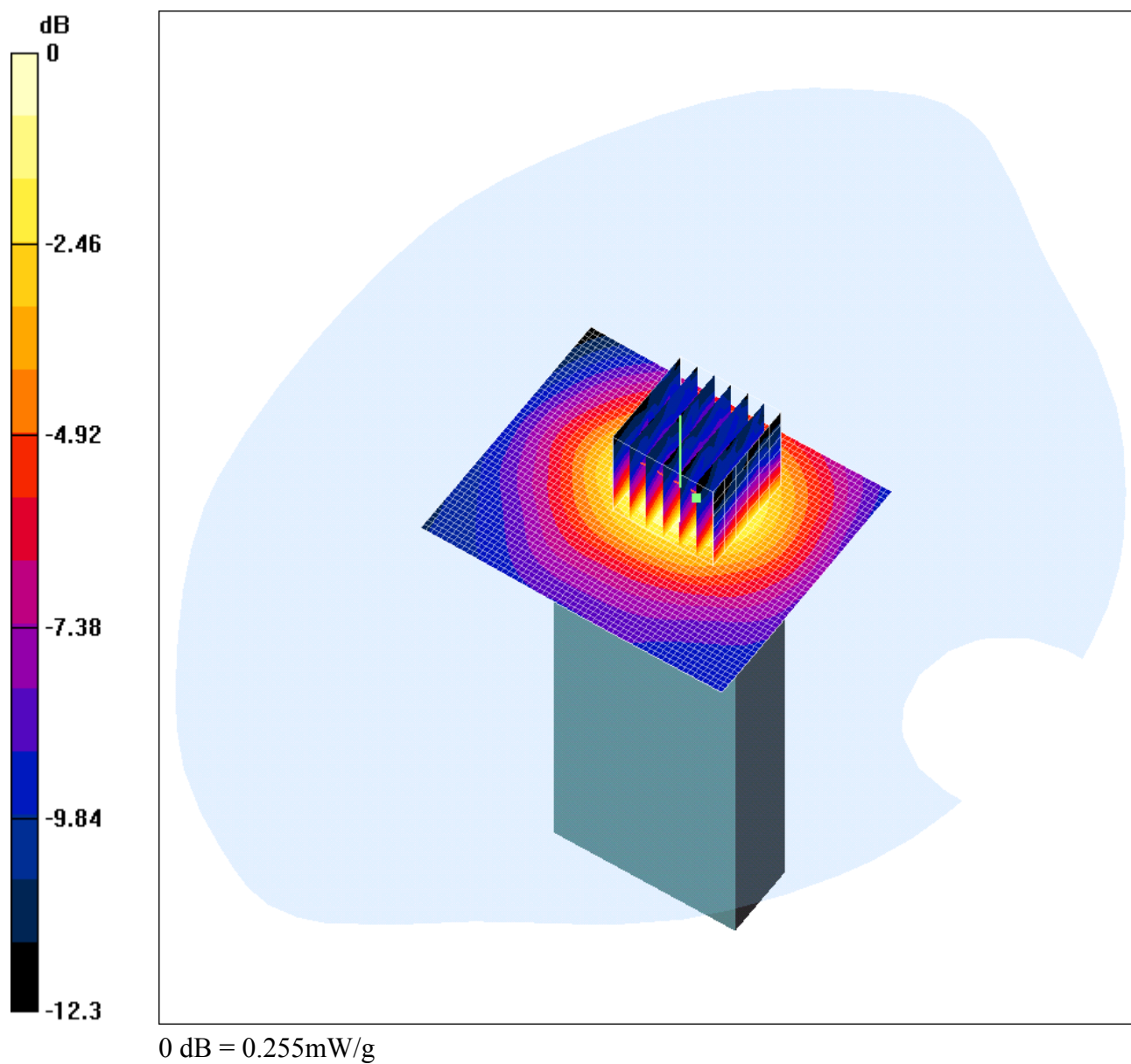
0 Degrees to Phantom, PCMCIA Modem in Bottom Slot/Zoom Scan (7x7x7)/Cube 0:

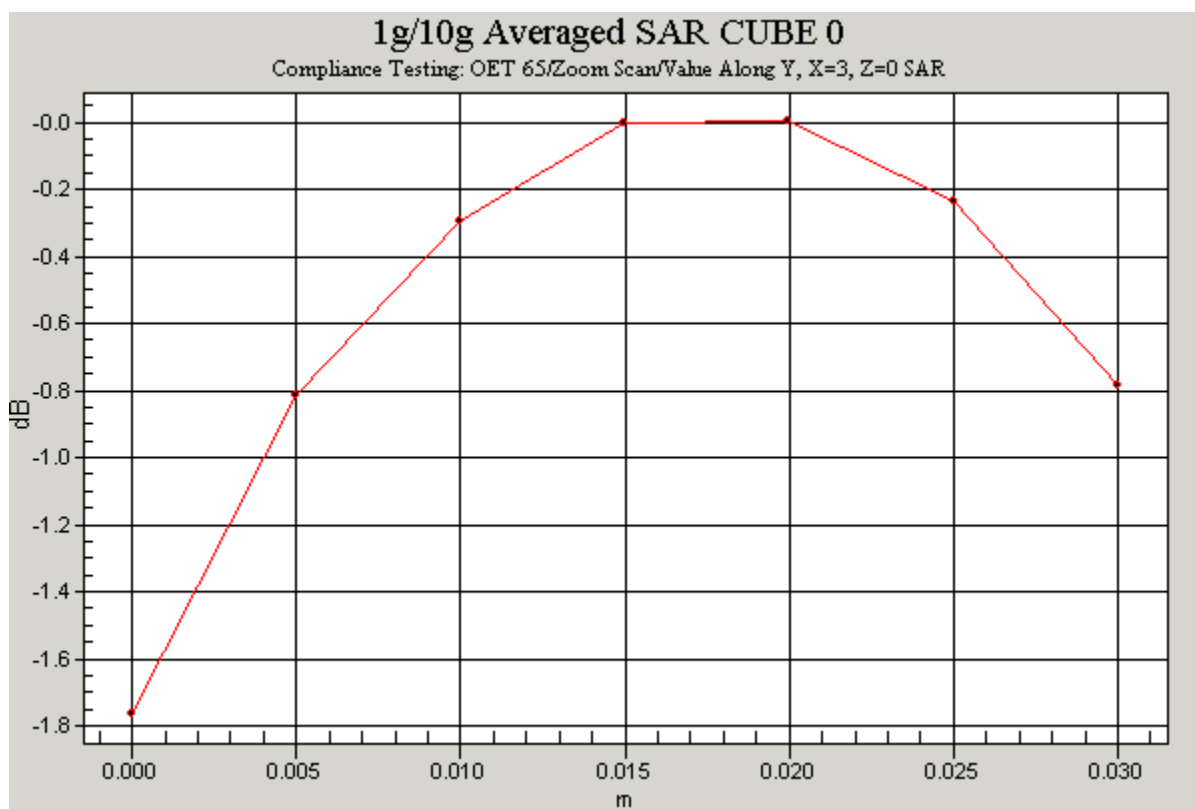
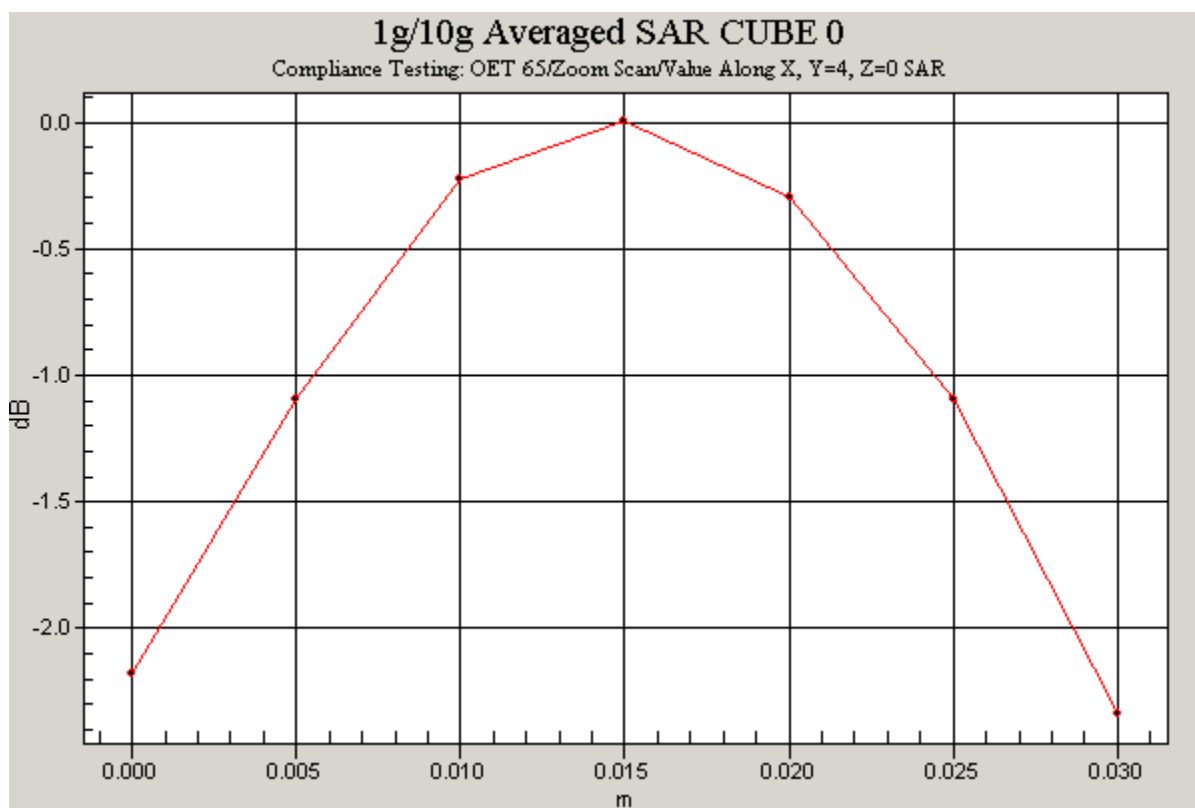
Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 4.82 V/m; Power Drift = -7e-006 dB
 Maximum value of SAR (measured) = 0.194 mW/g
 Peak SAR (extrapolated) = 0.379 W/kg
SAR(1 g) = 0.184 mW/g; SAR(10 g) = 0.105 mW/g

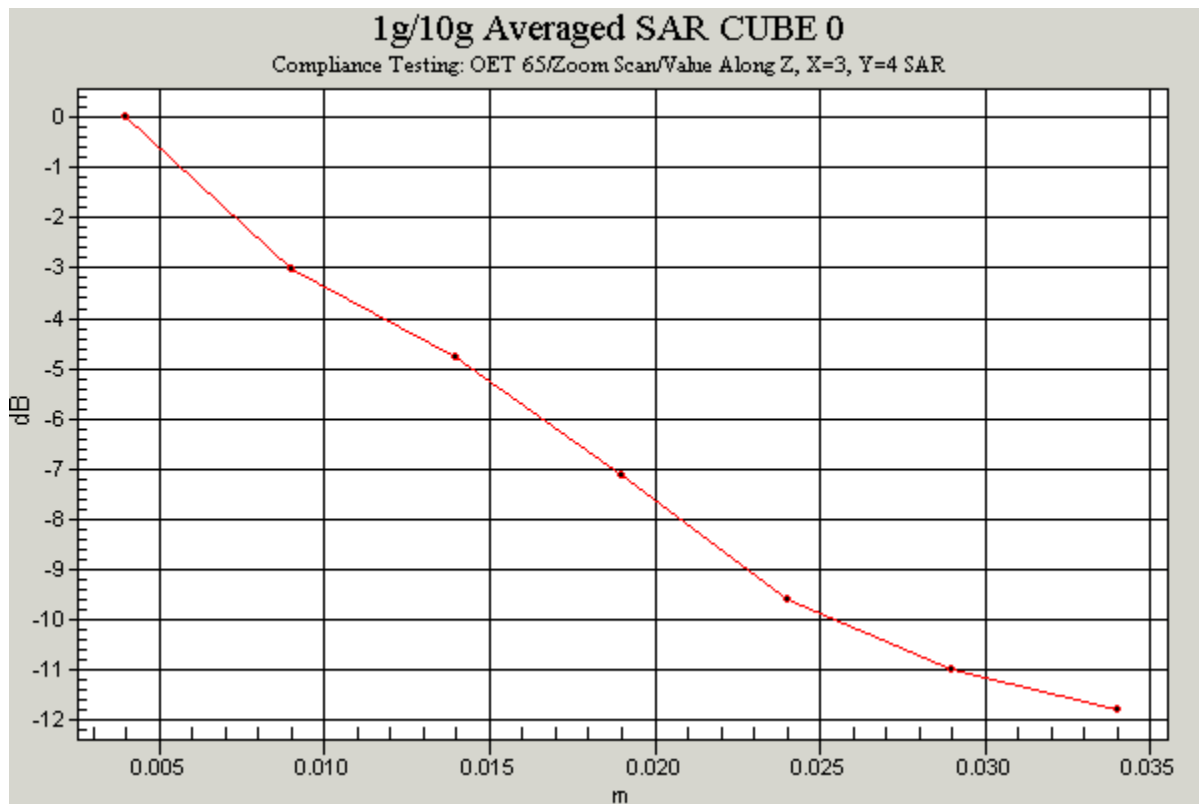
Date: 23/07/04

45219/07/018

Test Laboratory: RADIO FREQUENCY INVESTIGATION LTD.

**45219_JD07_Flat_Section_2600MHz_6MHz Channel_ 90 Degrees to
Phantom_PCMCIA_Modem_in_Bottom_Slot_UMAX Host****DUT: IP Wireless UK Ltd.; Type: 6MHz Channel PCMCIA Modem; Serial: FD5D34100F213**





Communication System: TDCDMA - 6MHz Channel; Frequency: 2596 MHz; Duty Cycle: 1:3
 Medium: 2450MHz MSL Medium parameters used (interpolated): $f = 2596$ MHz; $\sigma = 2.19$ mho/m; $\epsilon_r = 53.5$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1529; ConvF(4.05, 4.05, 4.05); Calibrated: 09/06/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 14/05/2004
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

90 Degrees to Phantom, PCMCIA Modem in Bottom Slot/Area Scan (61x51x1):

Measurement grid: $dx=15$ mm, $dy=15$ mm
 Reference Value = 9.52 V/m; Power Drift = -0.2 dB
 Maximum value of SAR (interpolated) = 0.262 mW/g

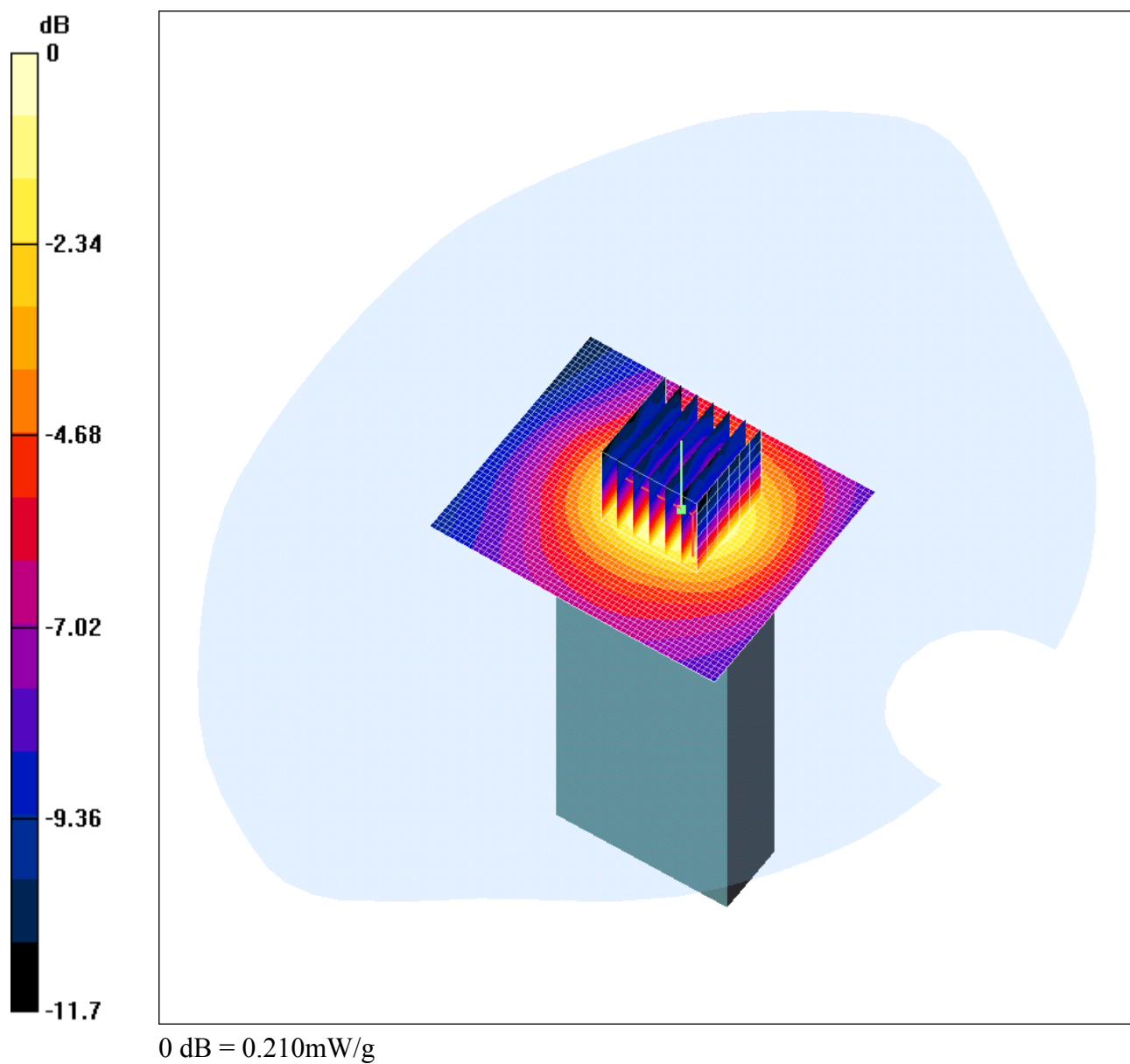
90 Degrees to Phantom, PCMCIA Modem in Bottom Slot/Zoom Scan (7x7x7)/Cube 0:

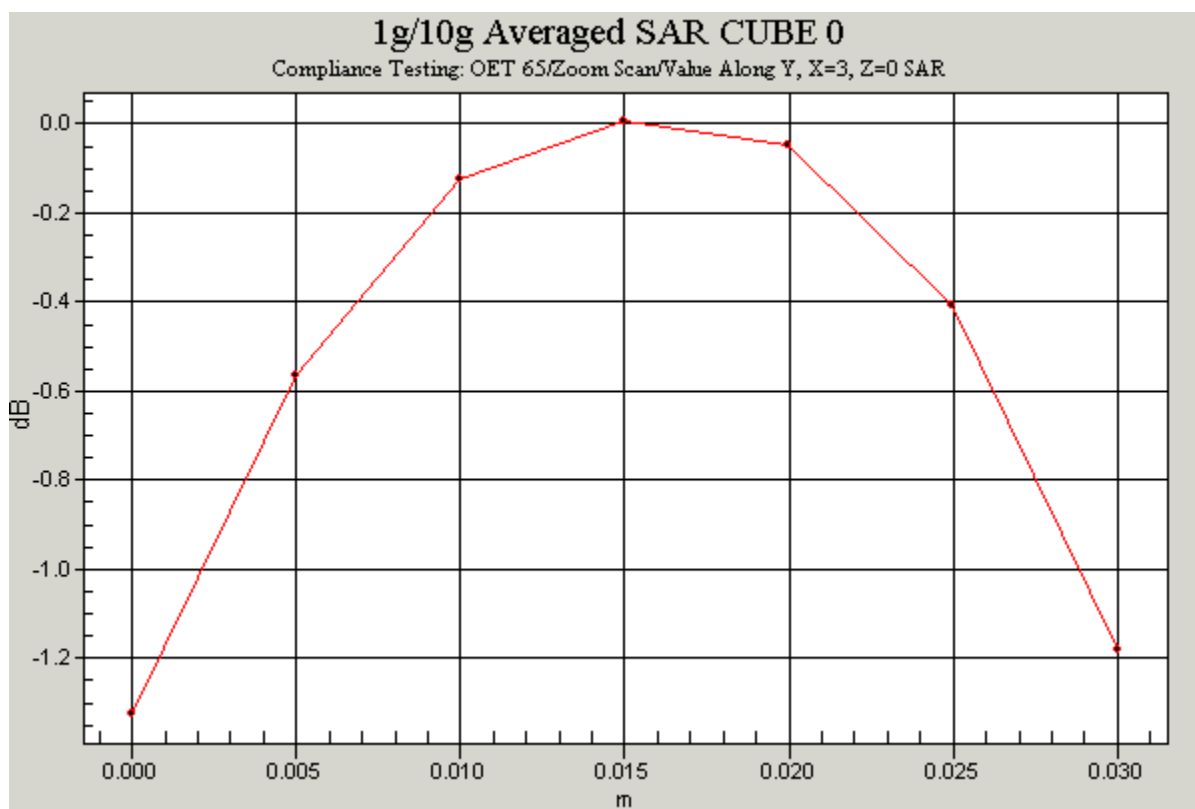
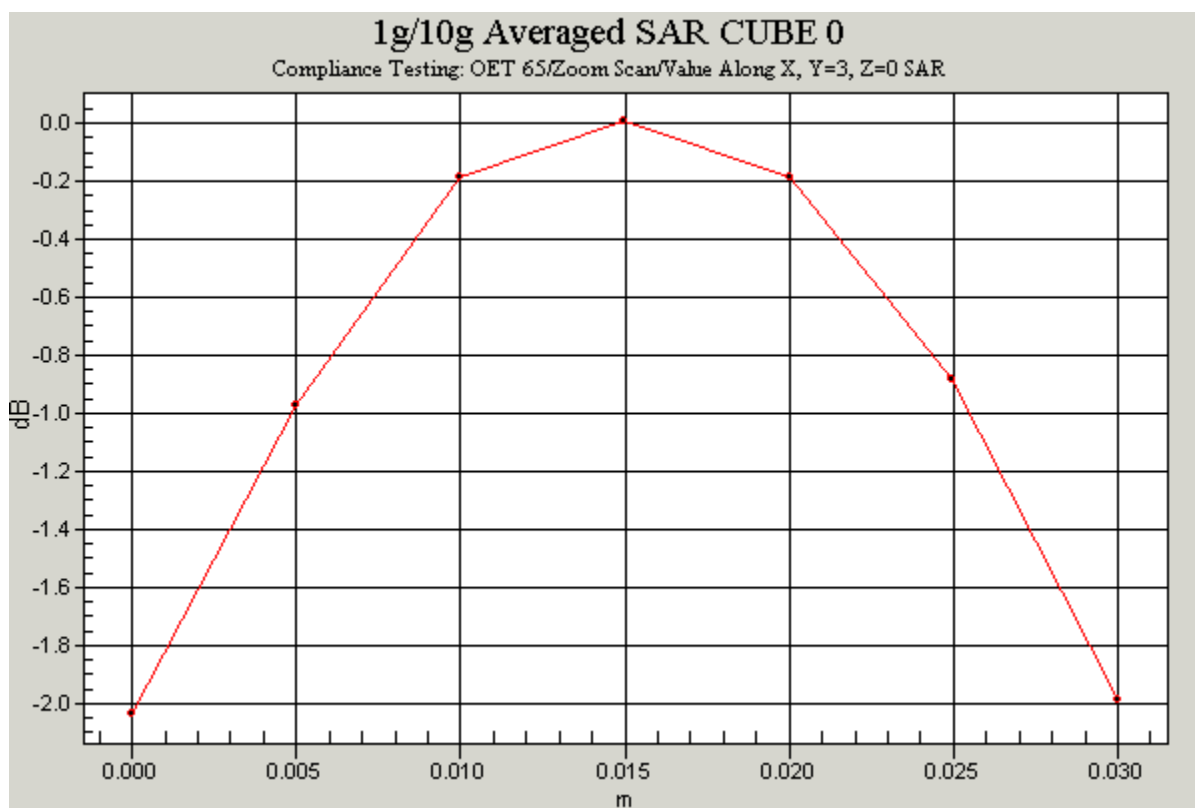
Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
 Reference Value = 9.52 V/m; Power Drift = -0.2 dB
 Maximum value of SAR (measured) = 0.255 mW/g
 Peak SAR (extrapolated) = 0.557 W/kg
SAR(1 g) = 0.246 mW/g; SAR(10 g) = 0.136 mW/g

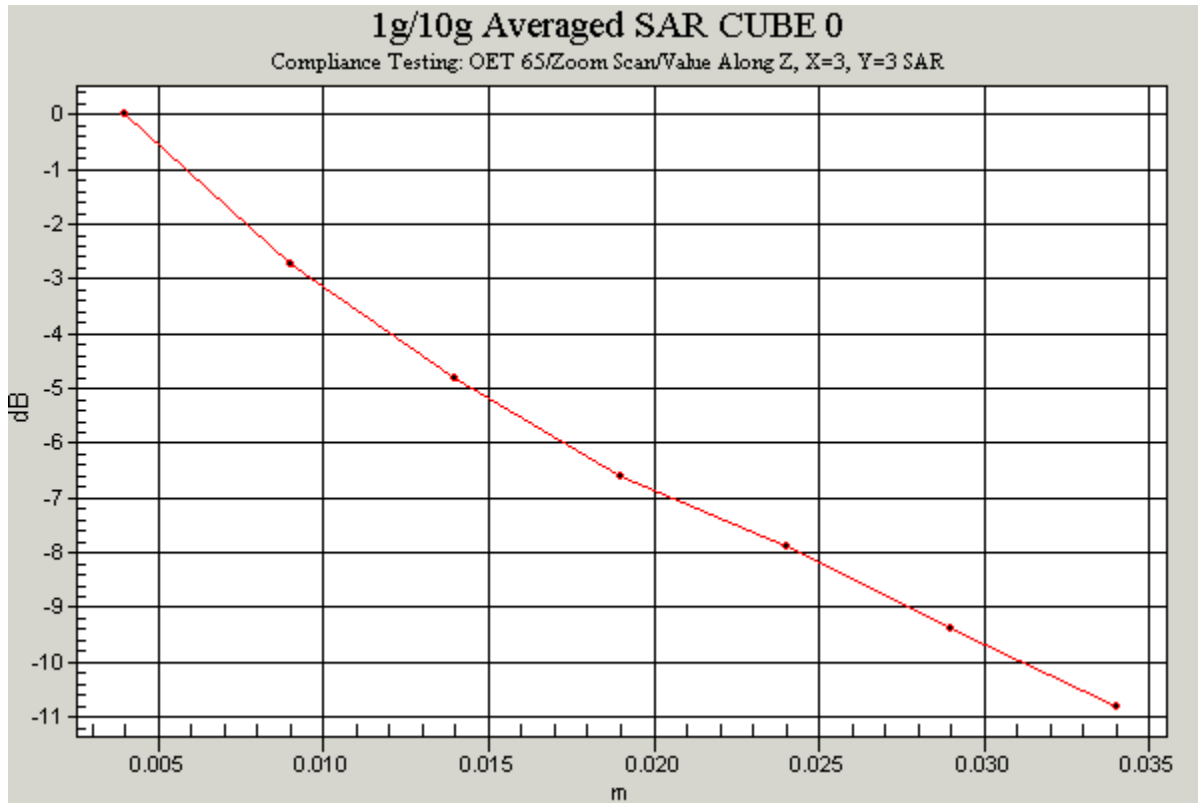
Date: 23/07/04

45219/07/019

Test Laboratory: RADIO FREQUENCY INVESTIGATION LTD.

**45219_JD07_Flat_Section_2600MHz_6MHz Channel_ 90 Degrees to
Phantom_PCMCIA_Modem_in_Bottom_Slot_UMAX Host_Worst_Case_Low****DUT: IP Wireless UK Ltd.; Type: 6MHz Channel PCMCIA Modem; Serial: FD5D34100F213**





Communication System: TDCDMA - 6MHz Channel; Frequency: 2503 MHz; Duty Cycle: 1:3
 Medium: 2450MHz MSL Medium parameters used (interpolated): $f = 2503$ MHz; $\sigma = 2.06$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1529; ConvF(4.05, 4.05, 4.05); Calibrated: 09/06/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 14/05/2004
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

90 Degrees to Phantom, PCMCIA Modem in Bottom Slot(Low)/Area Scan (61x51x1):

Measurement grid: dx=15mm, dy=15mm
 Reference Value = 10.1 V/m; Power Drift = 0.0 dB
 Maximum value of SAR (interpolated) = 0.219 mW/g

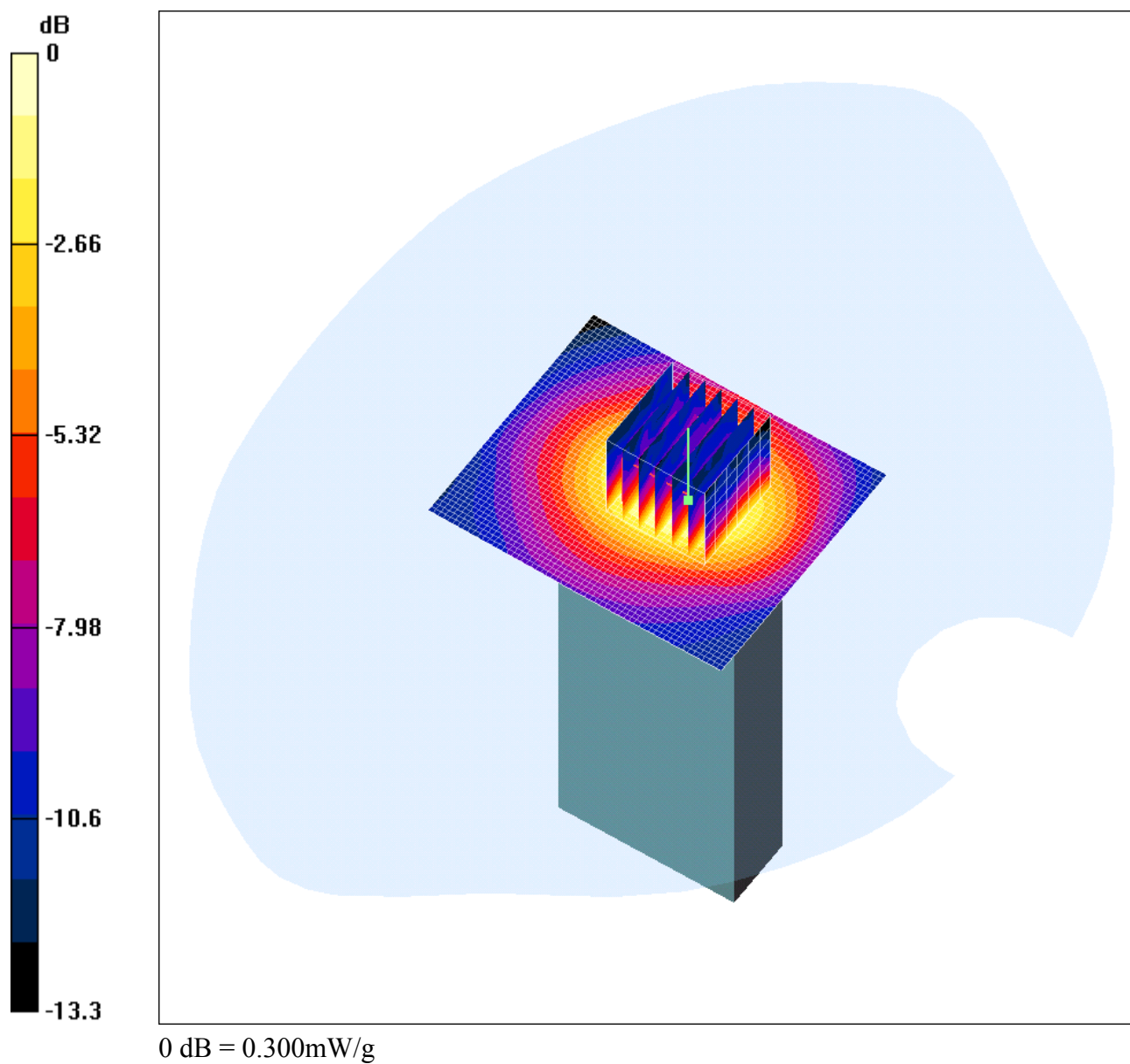
90 Degrees to Phantom, PCMCIA Modem in Bottom Slot(Low)/Zoom Scan (7x7x7)/Cube

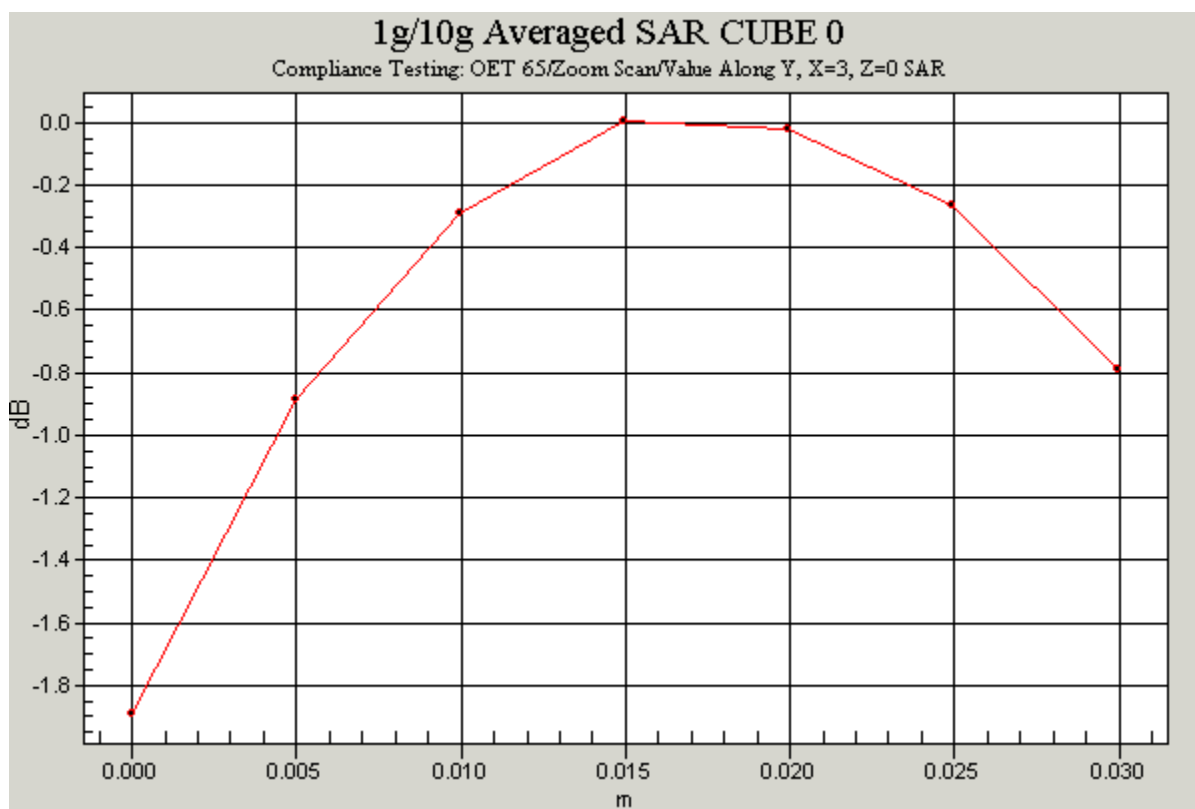
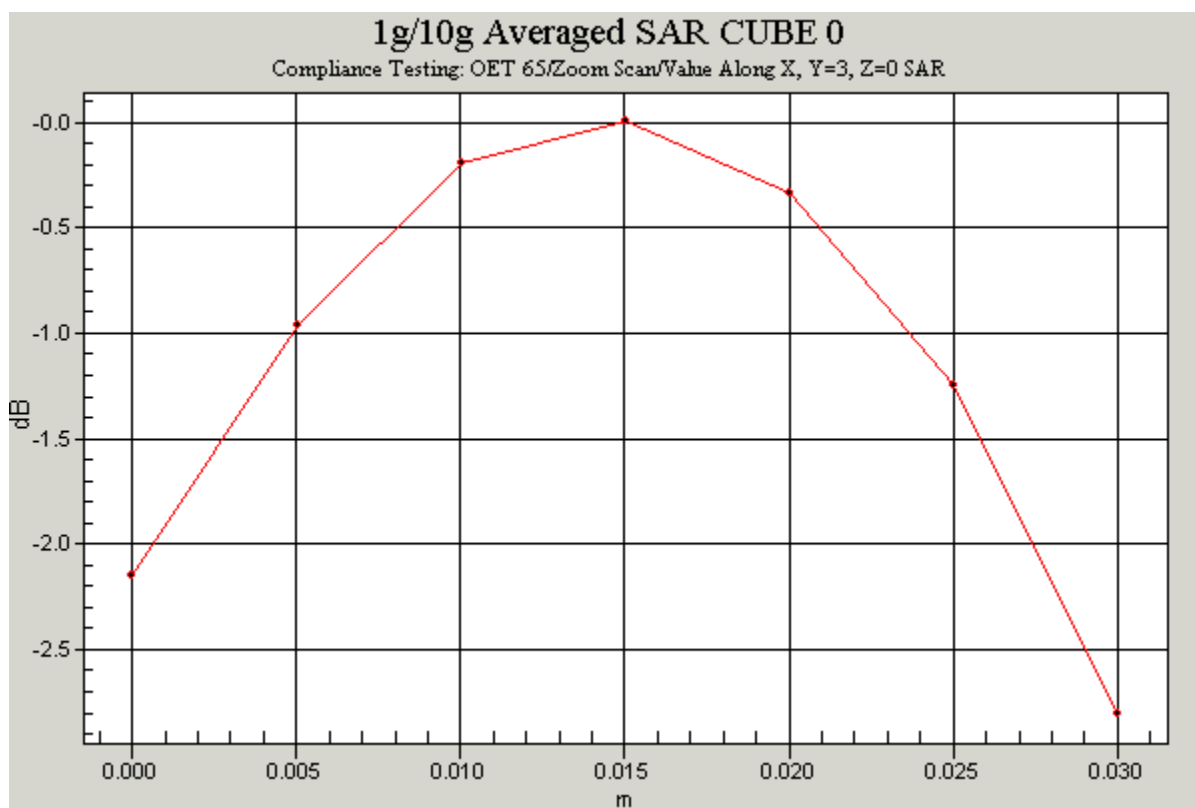
0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 10.1 V/m; Power Drift = 0.0 dB
 Maximum value of SAR (measured) = 0.210 mW/g
 Peak SAR (extrapolated) = 0.427 W/kg
SAR(1 g) = 0.203 mW/g; SAR(10 g) = 0.116 mW/g

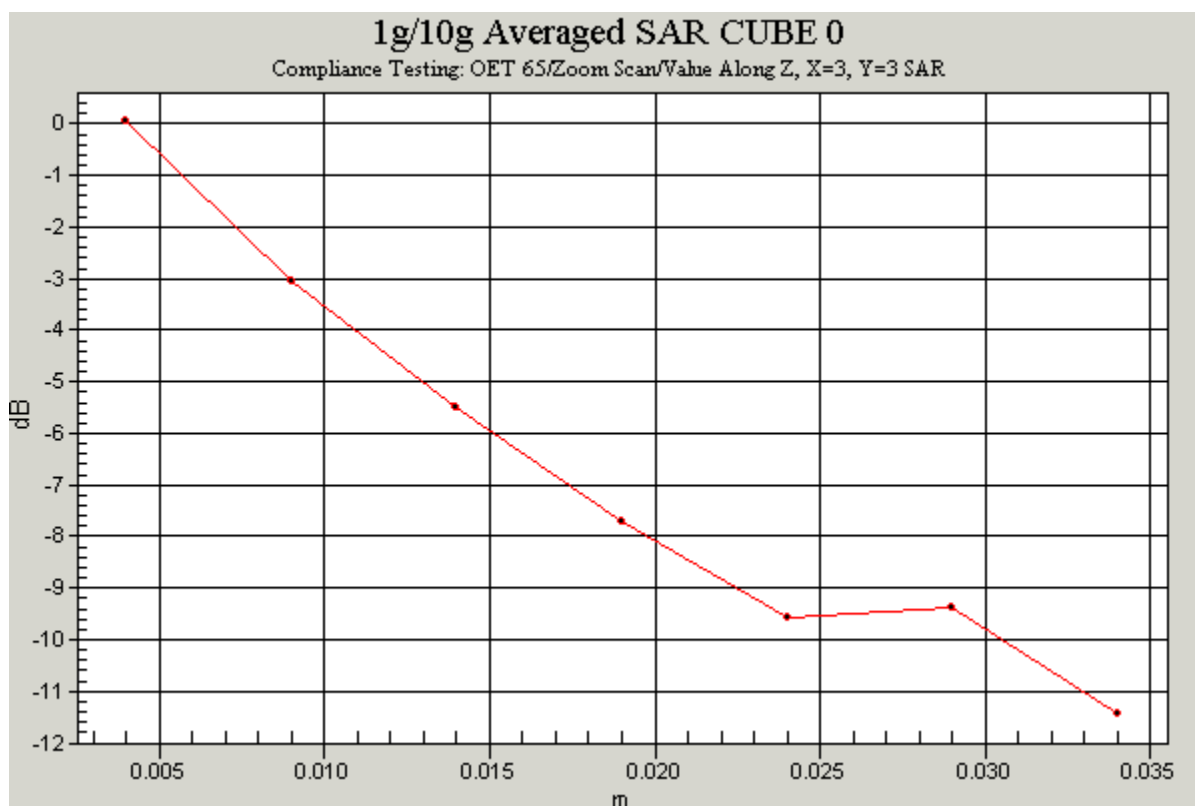
Date: 23/07/04

45219/07/020

Test Laboratory: RADIO FREQUENCY INVESTIGATION LTD.

**45219_JD07_Flat_Section_2600MHz_6MHz Channel_ 90 Degrees to
Phantom_PCMCIA_Modem_in_Bottom_Slot_UMAX Host_Worst_Case_High****DUT: IP Wireless UK Ltd.; Type: 6MHz Channel PCMCIA Modem; Serial: FD5D34100F213**





Communication System: TDCDMA - 6MHz Channel; Frequency: 2683 MHz; Duty Cycle: 1:3
 Medium: 2450MHz MSL Medium parameters used (interpolated): $f = 2683$ MHz; $\sigma = 2.32$ mho/m; $\epsilon_r = 53.2$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1529; ConvF(4.05, 4.05, 4.05); Calibrated: 09/06/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 14/05/2004
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

90 Degrees to Phantom, PCMCIA Modem in Bottom Slot(High)/Area Scan (61x51x1):

Measurement grid: $dx=15$ mm, $dy=15$ mm
 Reference Value = 11.3 V/m; Power Drift = -0.0 dB
 Maximum value of SAR (interpolated) = 0.319 mW/g

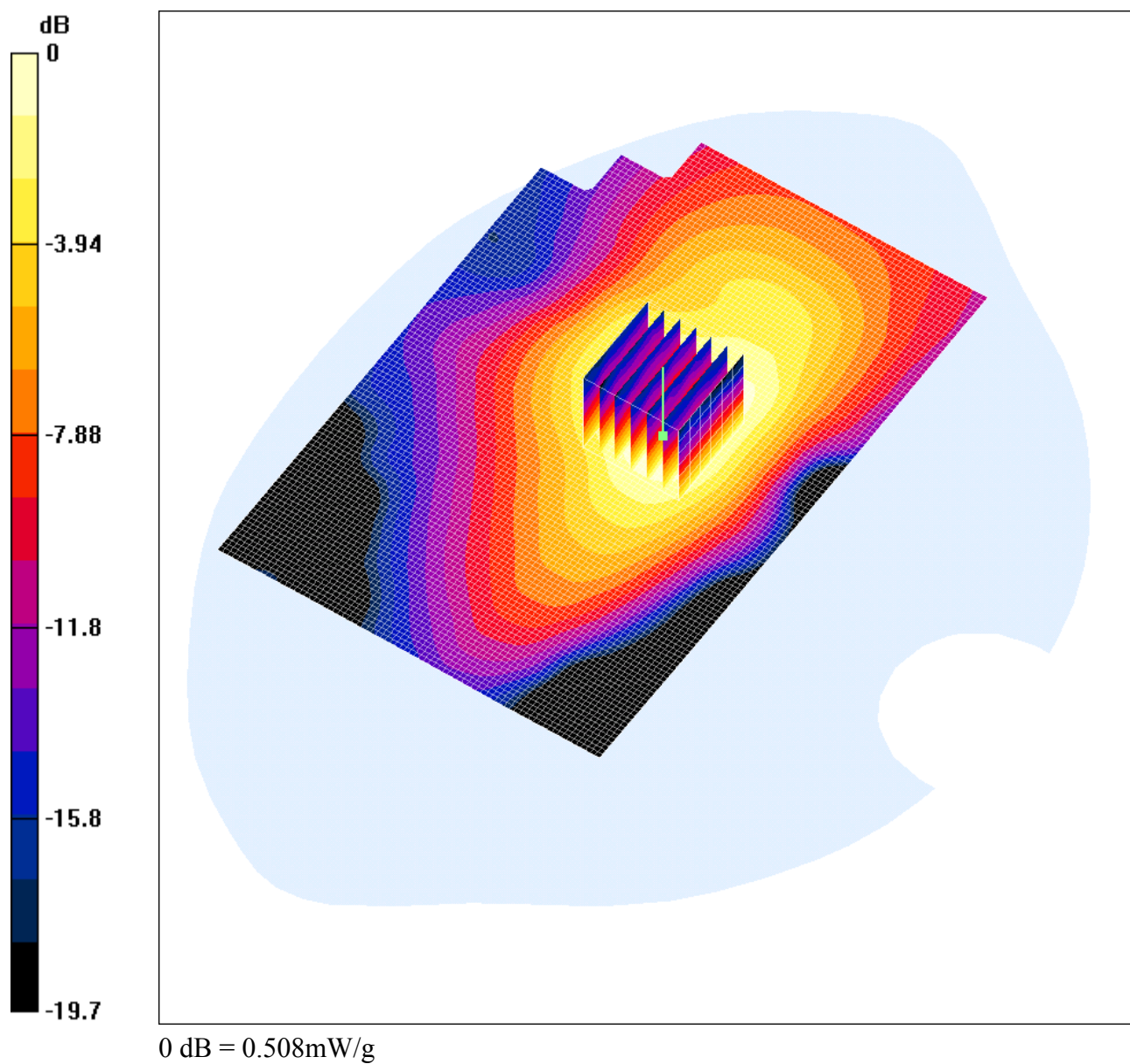
90 Degrees to Phantom, PCMCIA Modem in Bottom Slot(High)/Zoom Scan (7x7x7)/Cube

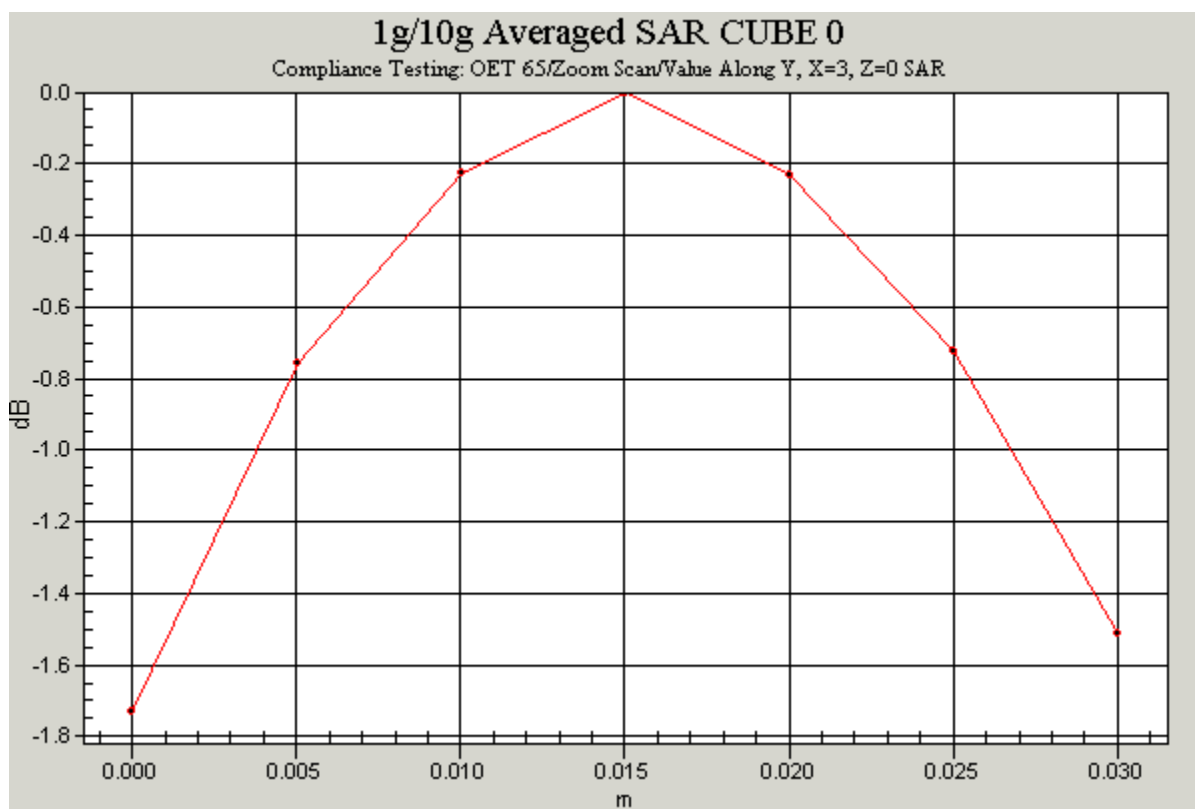
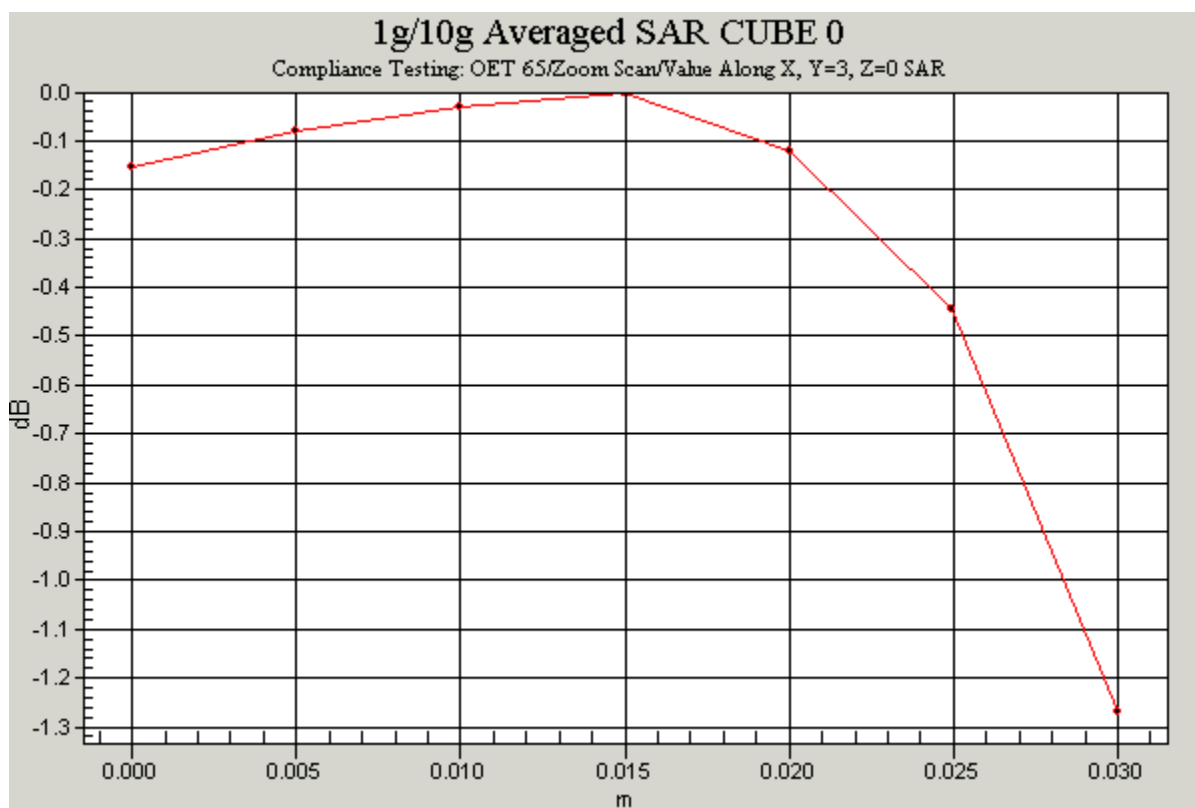
0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
 Reference Value = 11.3 V/m; Power Drift = -0.0 dB
 Maximum value of SAR (measured) = 0.300 mW/g
 Peak SAR (extrapolated) = 0.716 W/kg
SAR(1 g) = 0.292 mW/g; SAR(10 g) = 0.158 mW/g

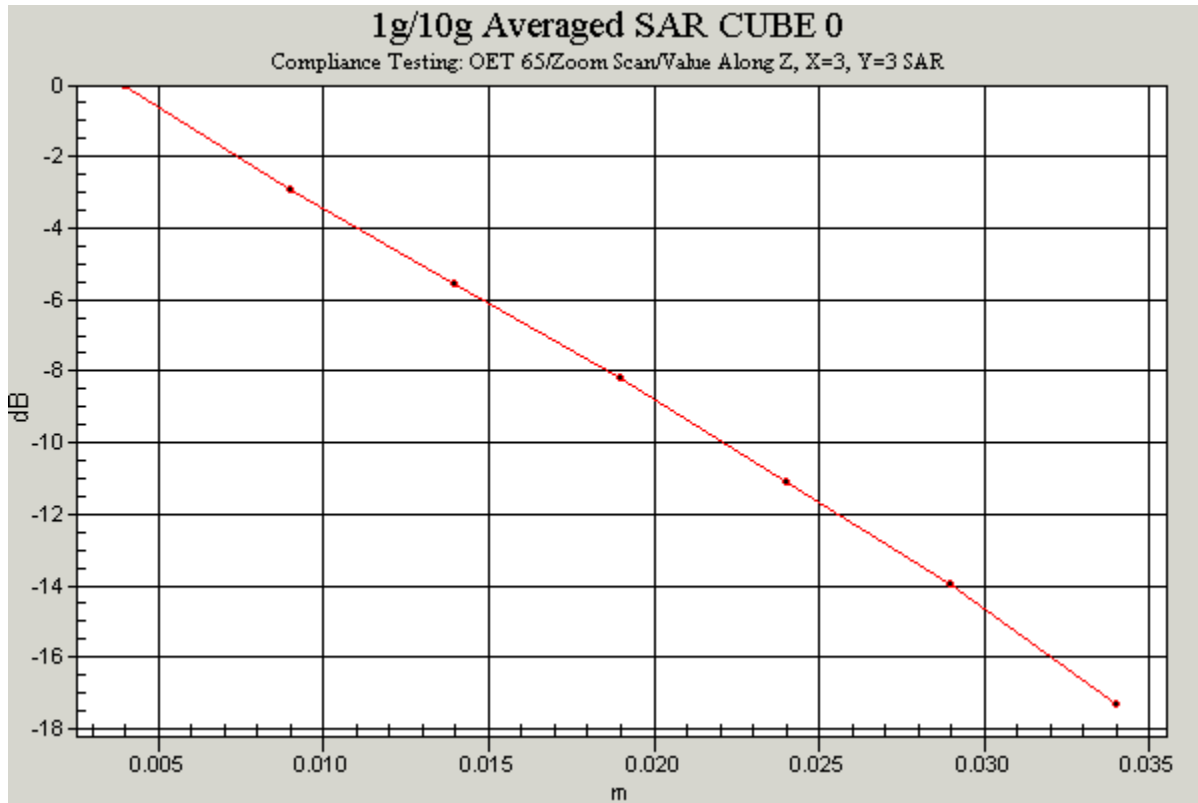
Date: 23/07/04

45219/07/021

Test Laboratory: RADIO FREQUENCY INVESTIGATION LTD.

45219_JD07_Flat_Section_2600MHz_12MHz Channel_0 Degrees to Phantom_PCMCIA_Modem_in_Slot_Single_Slot_Only_SONY Host**DUT: IP Wireless UK Ltd.; Type: 12MHz Channel PCMCIA Modem; Serial: FD5D34100F213**





Communication System: TDCDMA - 12MHz Channel; Frequency: 2596 MHz; Duty Cycle: 1:3
 Medium: 2450MHz MSL Medium parameters used (interpolated): $f = 2596$ MHz; $\sigma = 2.19$ mho/m; $\epsilon_r = 53.5$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1529; ConvF(4.05, 4.05, 4.05); Calibrated: 09/06/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 14/05/2004
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

0 Degrees to Phantom, PCMCIA Modem in Slot, Single Slot Only/Area Scan (81x121x1):

Measurement grid: dx=15mm, dy=15mm
 Reference Value = 9.7 V/m; Power Drift = -0.1 dB
 Maximum value of SAR (interpolated) = 0.516 mW/g

0 Degrees to Phantom, PCMCIA Modem in Slot, Single Slot Only/Zoom Scan

(7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.7 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.508 mW/g

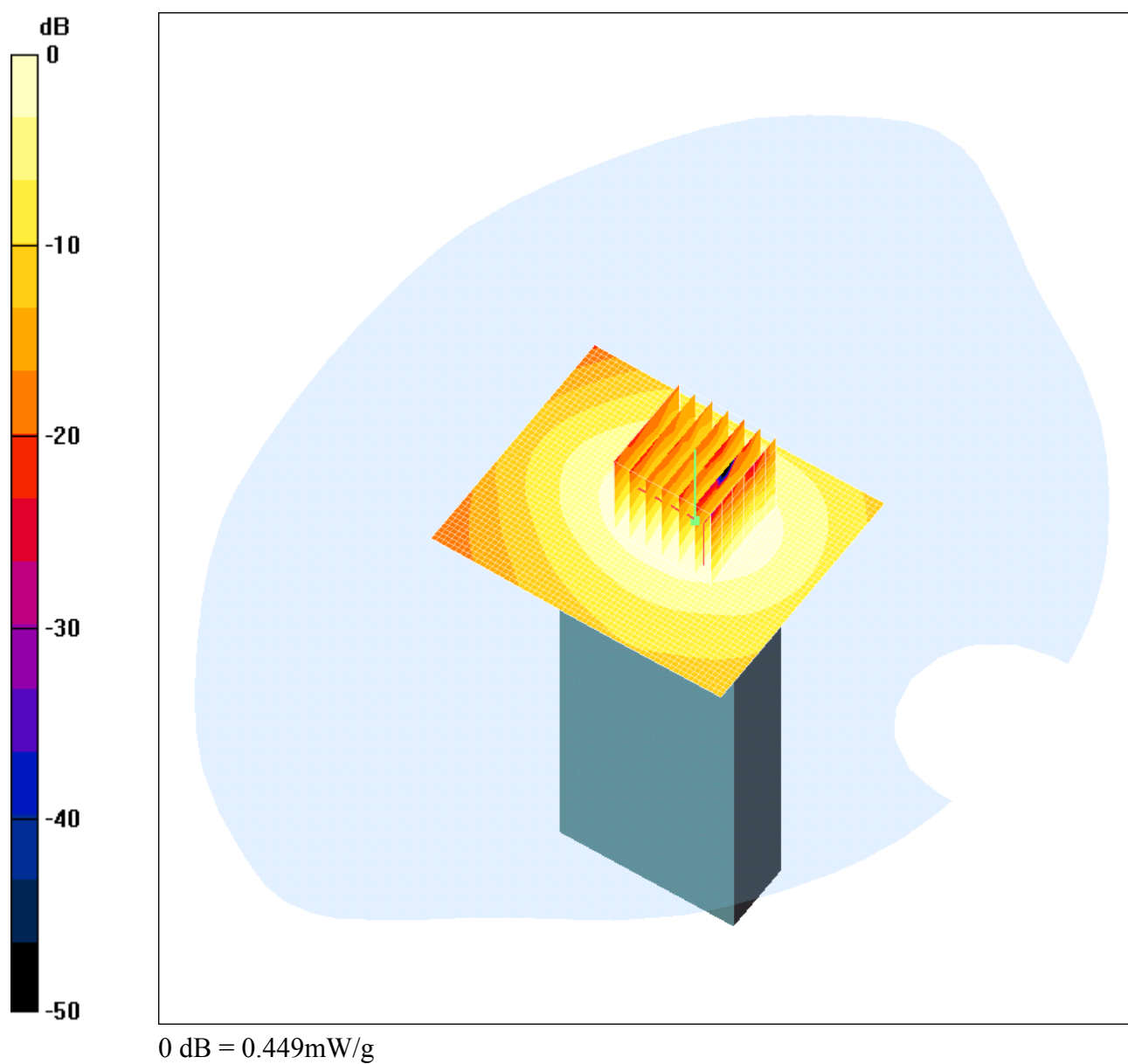
Peak SAR (extrapolated) = 1.01 W/kg

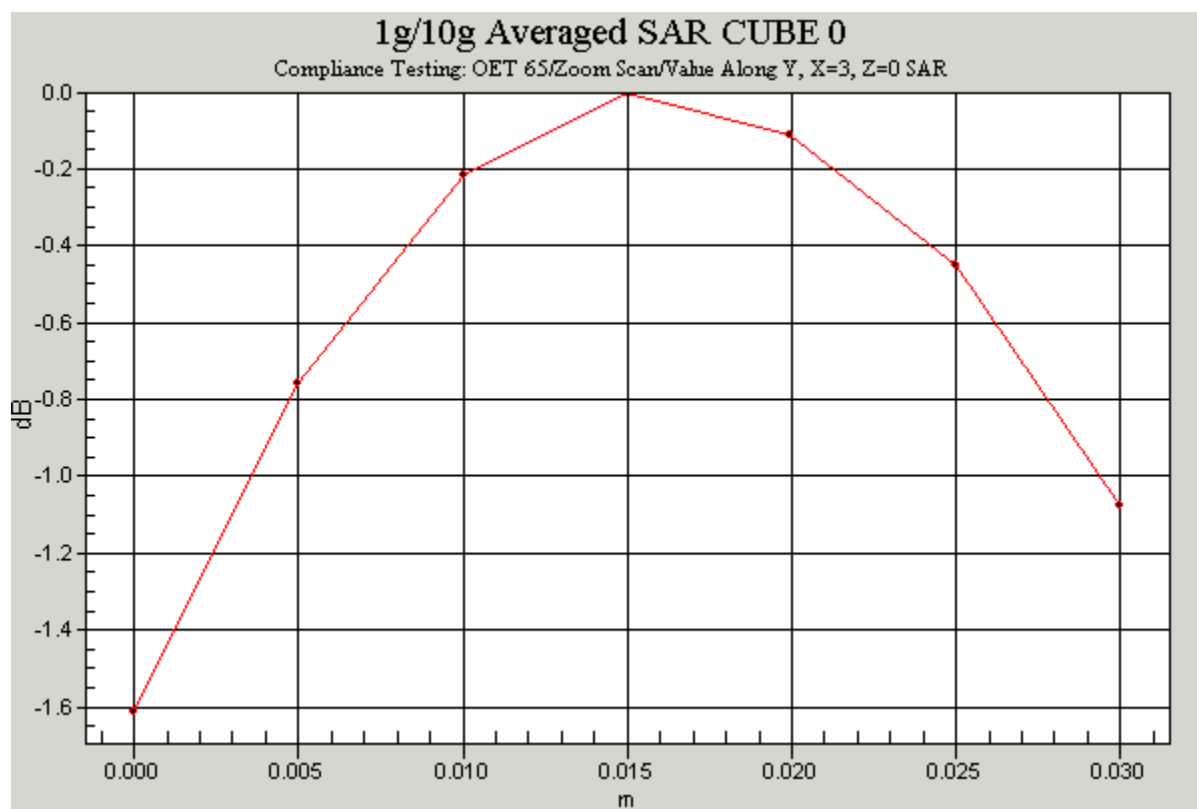
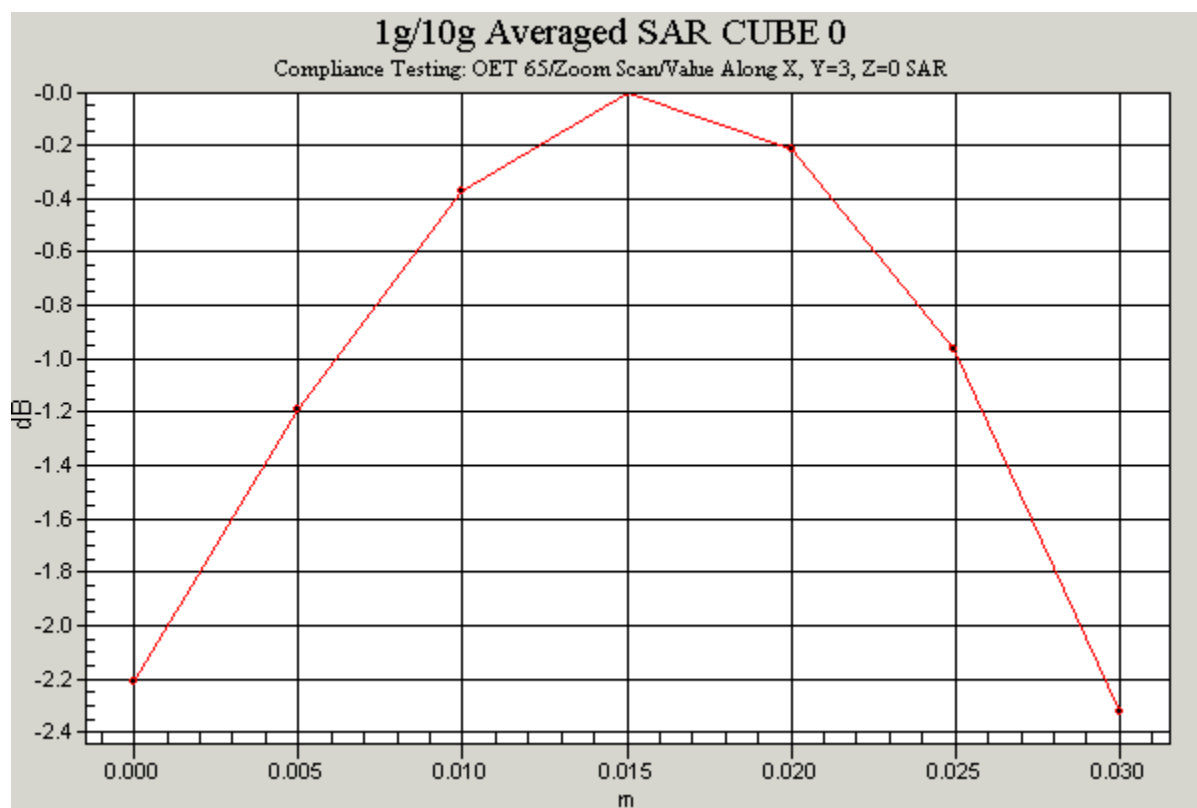
SAR(1 g) = 0.484 mW/g; SAR(10 g) = 0.275 mW/g

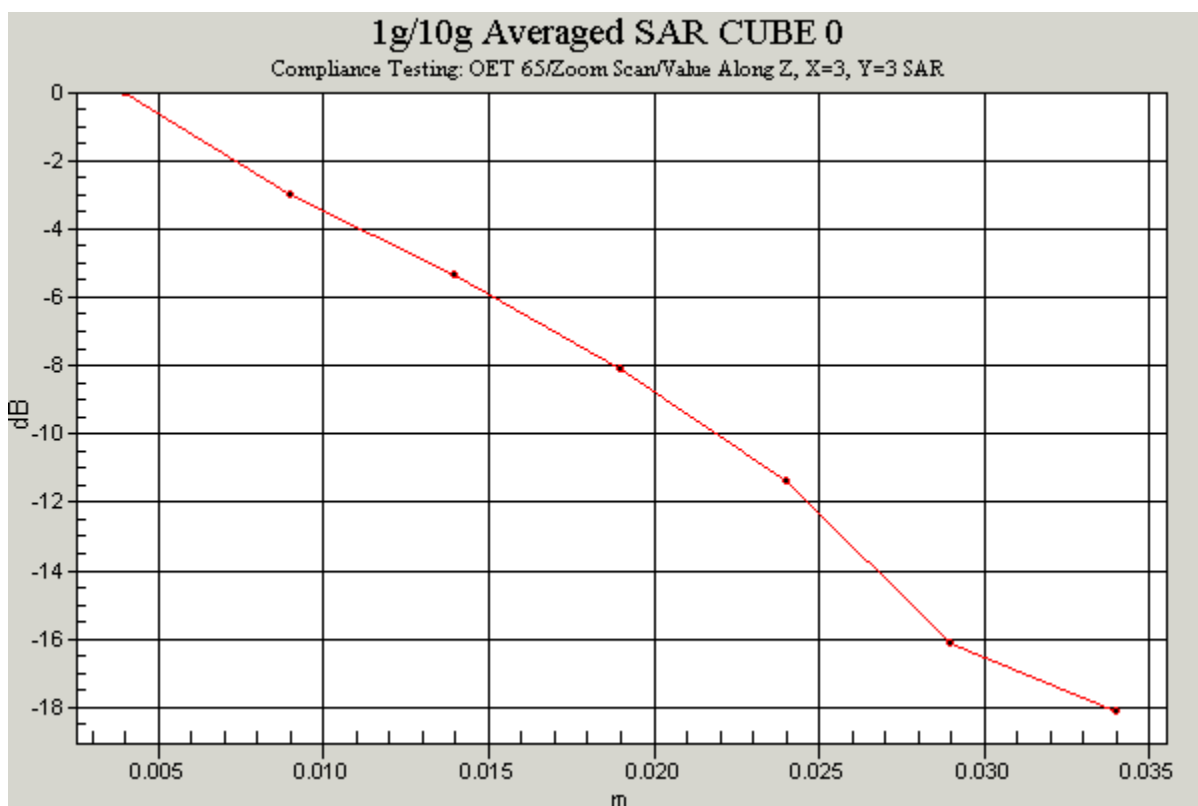
Date: 23/07/04

45219/07/023

Test Laboratory: RADIO FREQUENCY INVESTIGATION LTD.

**45219_JD07_Flat_Section_2600MHz_12MHz Channel_ 90 Degrees to
Phantom_PCMCIA_Modem_in_Slot_Single_Slot_Only_SONY Host_Worst_Case_Low****DUT: IP Wireless UK Ltd.; Type: 12MHz Channel PCMCIA Modem; Serial: FD5D34100F213**





Communication System: TDCDMA - 12MHz Channel; Frequency: 2506 MHz; Duty Cycle: 1:3
 Medium: 2450MHz MSL Medium parameters used (interpolated): $f = 2506$ MHz; $\sigma = 2.06$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1529; ConvF(4.05, 4.05, 4.05); Calibrated: 09/06/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 14/05/2004
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

90 Degrees to Phantom, PCMCIA Modem in Slot, Single Slot Only (Low)/Area Scan

(61x51x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 14.4 V/m; Power Drift = -0.1 dB

Maximum value of SAR (interpolated) = 0.463 mW/g

90 Degrees to Phantom, PCMCIA Modem in Slot, Single Slot Only (Low)/Zoom Scan

(7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.4 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.449 mW/g

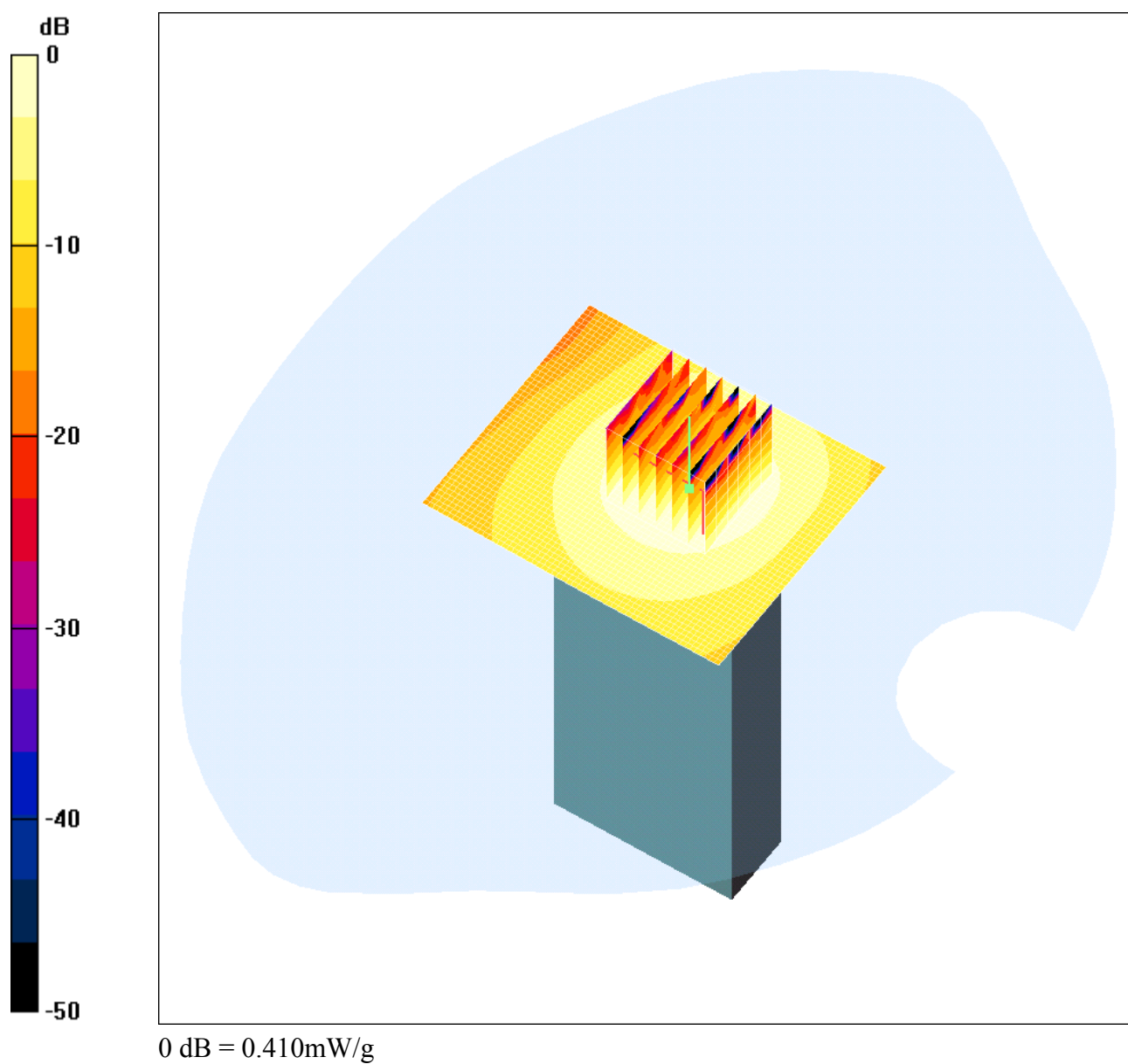
Peak SAR (extrapolated) = 0.957 W/kg

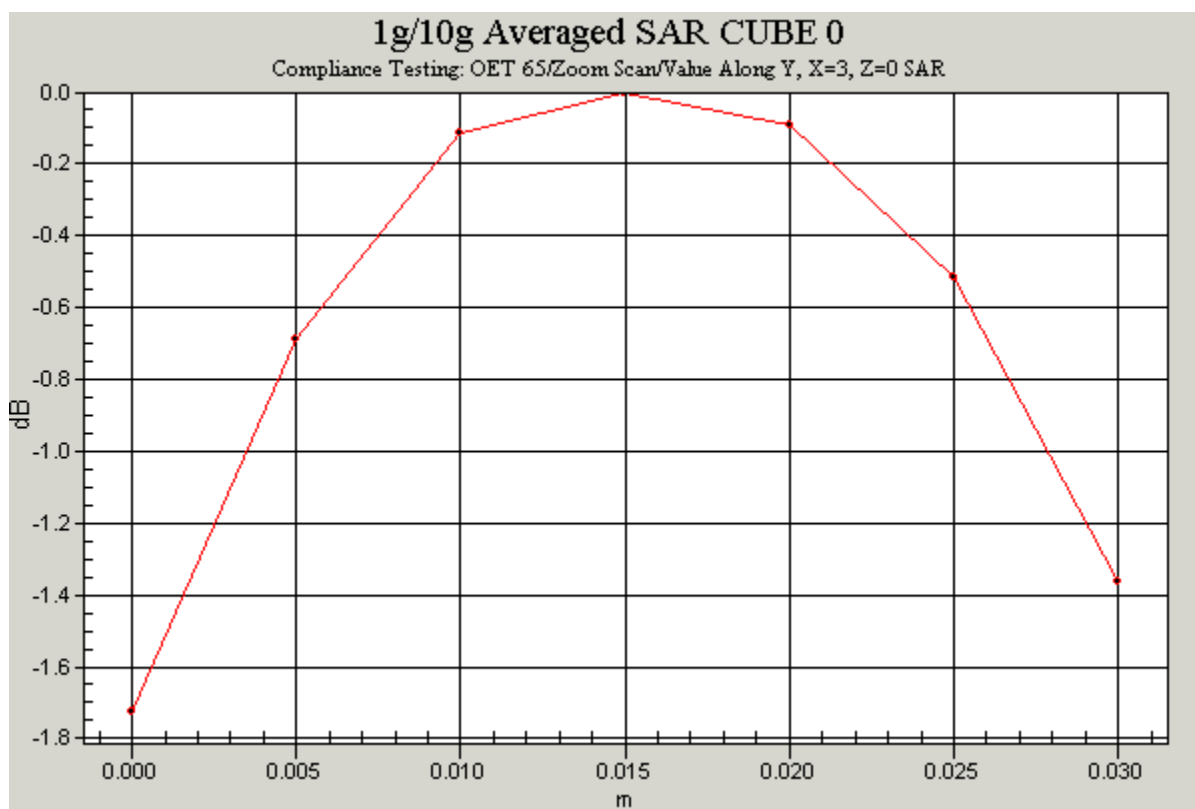
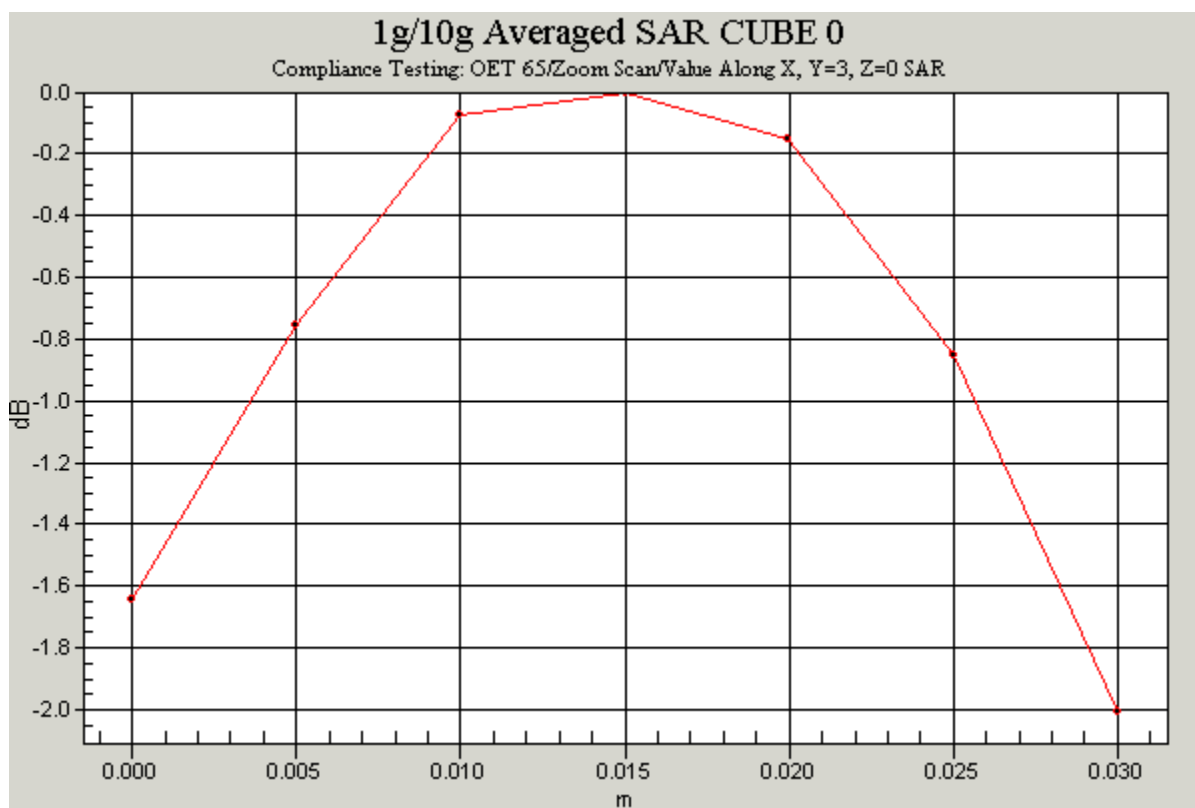
SAR(1 g) = 0.426 mW/g; SAR(10 g) = 0.226 mW/g

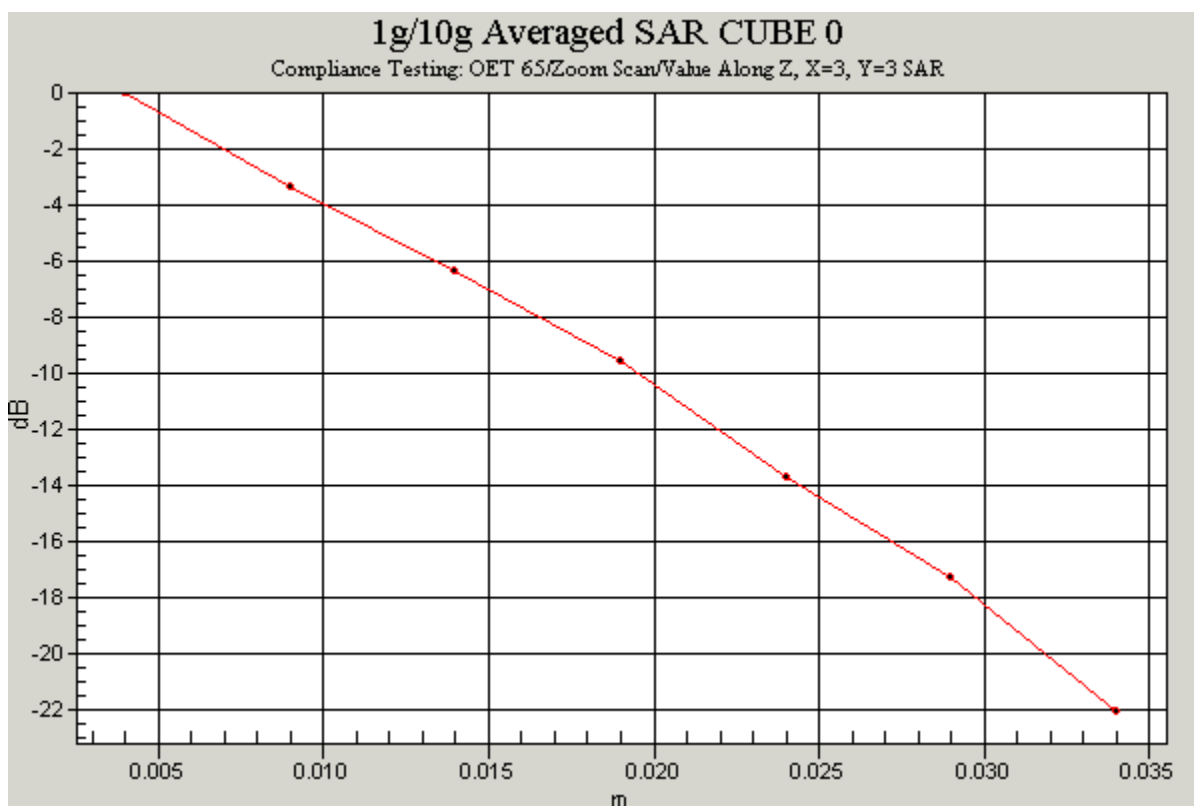
Date: 23/07/04

45219/07/024

Test Laboratory: RADIO FREQUENCY INVESTIGATION LTD.

**45219_JD07_Flat_Section_2600MHz_12MHz Channel_ 90 Degrees to
Phantom_PCMCIA_Modem_in_Slot_Single_Slot_Only_SONY Host_Worst_Case_High****DUT: IP Wireless UK Ltd.; Type: 12MHz Channel PCMCIA Modem; Serial: FD5D34100F213**





Communication System: TDCDMA - 12MHz Channel; Frequency: 2680 MHz; Duty Cycle: 1:3
Medium: 2450MHz MSL Medium parameters used: $f = 2680$ MHz; $\sigma = 2.31$ mho/m; $\epsilon_r = 53.2$; $\rho = 1000$

kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1529; ConvF(4.05, 4.05, 4.05); Calibrated: 09/06/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 14/05/2004
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

90 Degrees to Phantom, PCMCIA Modem in Slot, Single Slot Only (High)/Area Scan

(61x51x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Reference Value = 13.1 V/m; Power Drift = 0.1 dB

Maximum value of SAR (interpolated) = 0.418 mW/g

90 Degrees to Phantom, PCMCIA Modem in Slot, Single Slot Only (High)/Zoom Scan

(7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 13.1 V/m; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 0.410 mW/g

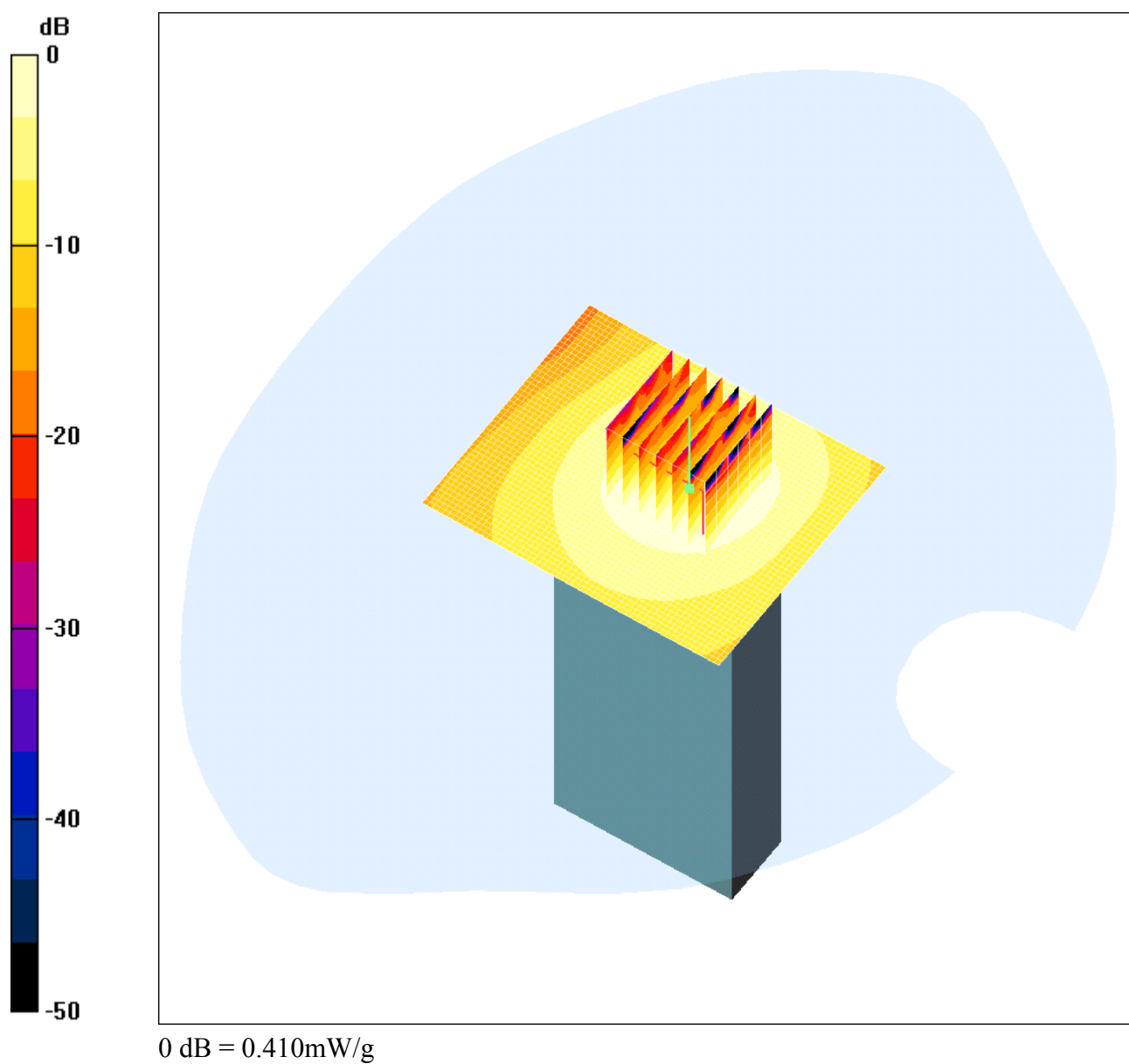
Peak SAR (extrapolated) = 0.942 W/kg

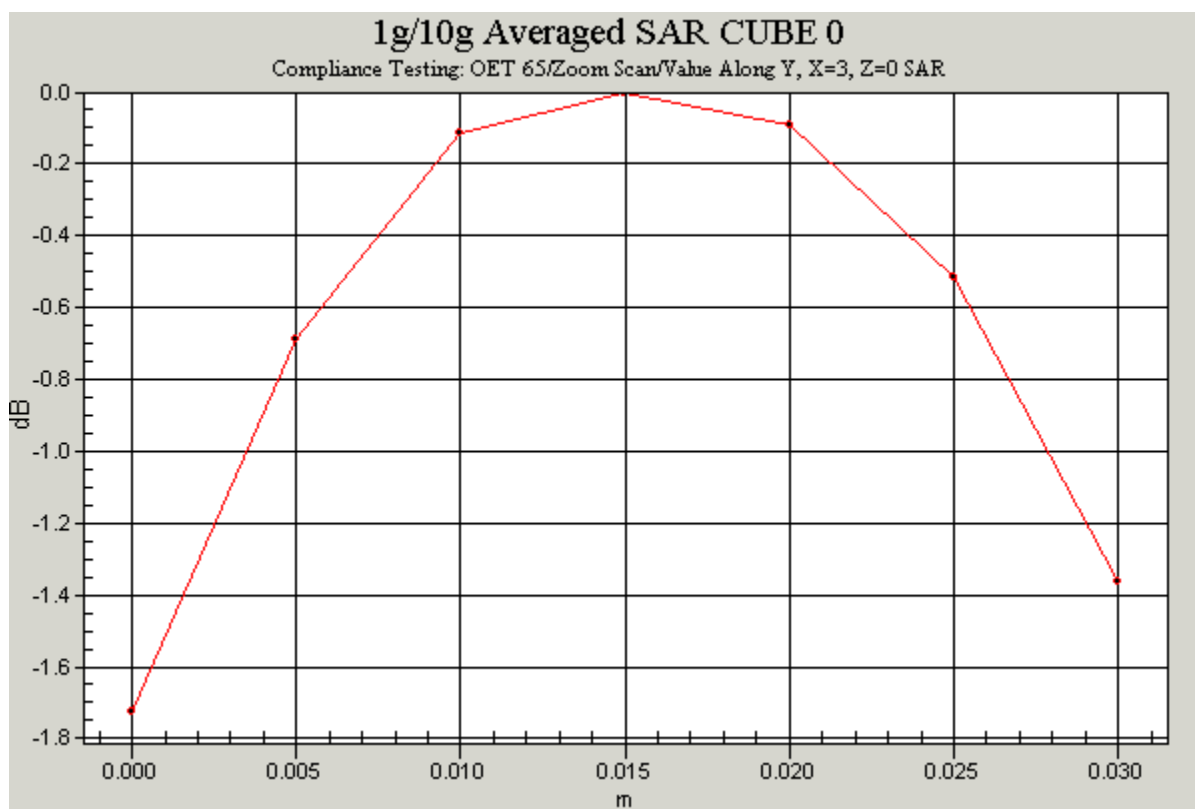
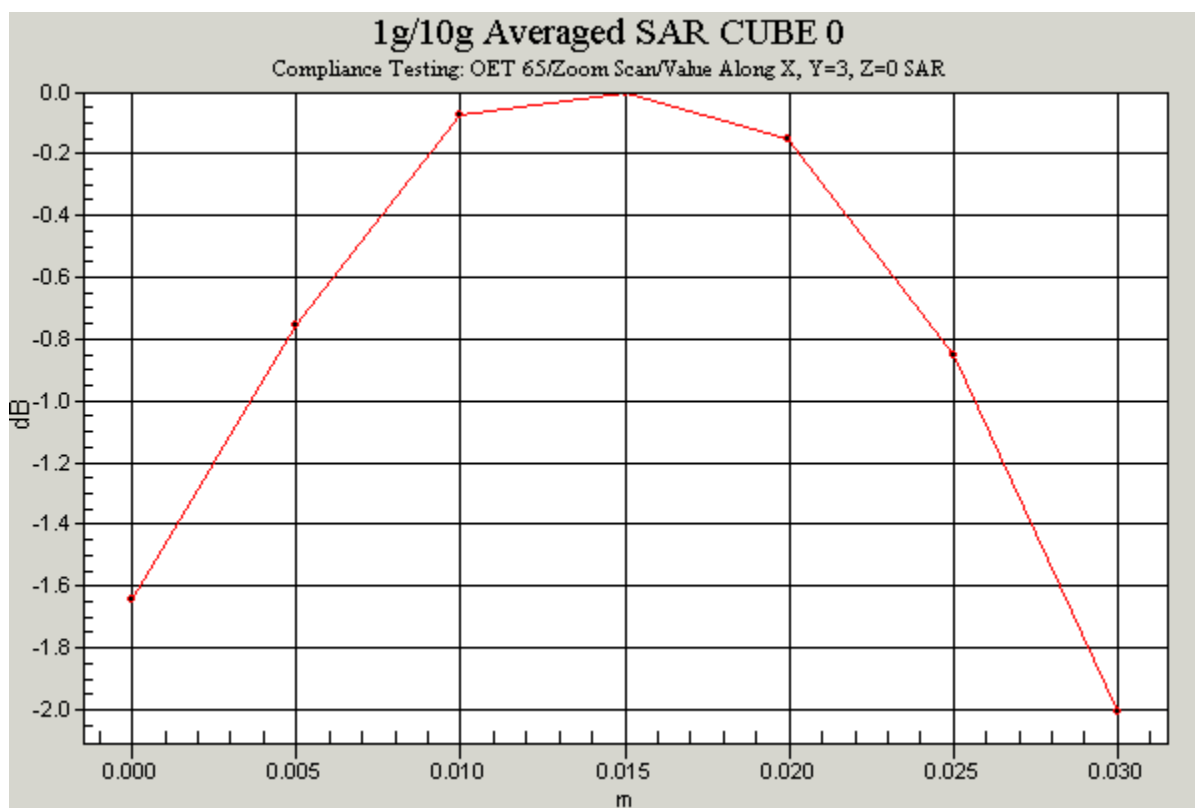
SAR(1 g) = 0.397 mW/g; SAR(10 g) = 0.205 mW/g

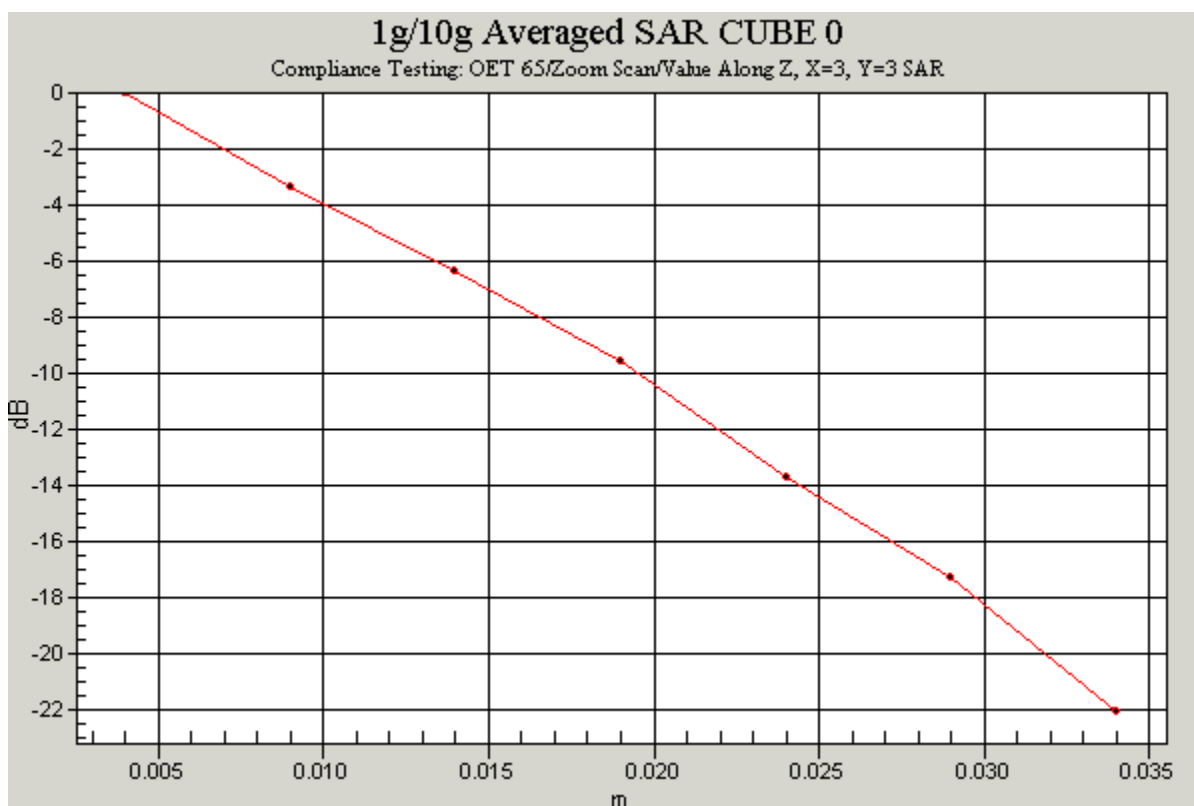
Date: 23/07/04

45219/07/024

Test Laboratory: RADIO FREQUENCY INVESTIGATION LTD.

**45219_JD07_Flat_Section_2600MHz_12MHz Channel_ 90 Degrees to
Phantom_PCMCIA_Modem_in_Slot_Single_Slot_Only_SONY Host_Worst_Case_High****DUT: IP Wireless UK Ltd.; Type: 12MHz Channel PCMCIA Modem; Serial: FD5D34100F213**





Communication System: TDCDMA - 12MHz Channel; Frequency: 2680 MHz; Duty Cycle: 1:3
Medium: 2450MHz MSL Medium parameters used: $f = 2680$ MHz; $\sigma = 2.31$ mho/m; $\epsilon_r = 53.2$; $\rho = 1000$

kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1529; ConvF(4.05, 4.05, 4.05); Calibrated: 09/06/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 14/05/2004
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

90 Degrees to Phantom, PCMCIA Modem in Slot, Single Slot Only (High)/Area Scan

(61x51x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 13.1 V/m; Power Drift = 0.1 dB

Maximum value of SAR (interpolated) = 0.418 mW/g

90 Degrees to Phantom, PCMCIA Modem in Slot, Single Slot Only (High)/Zoom Scan

(7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.1 V/m; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 0.410 mW/g

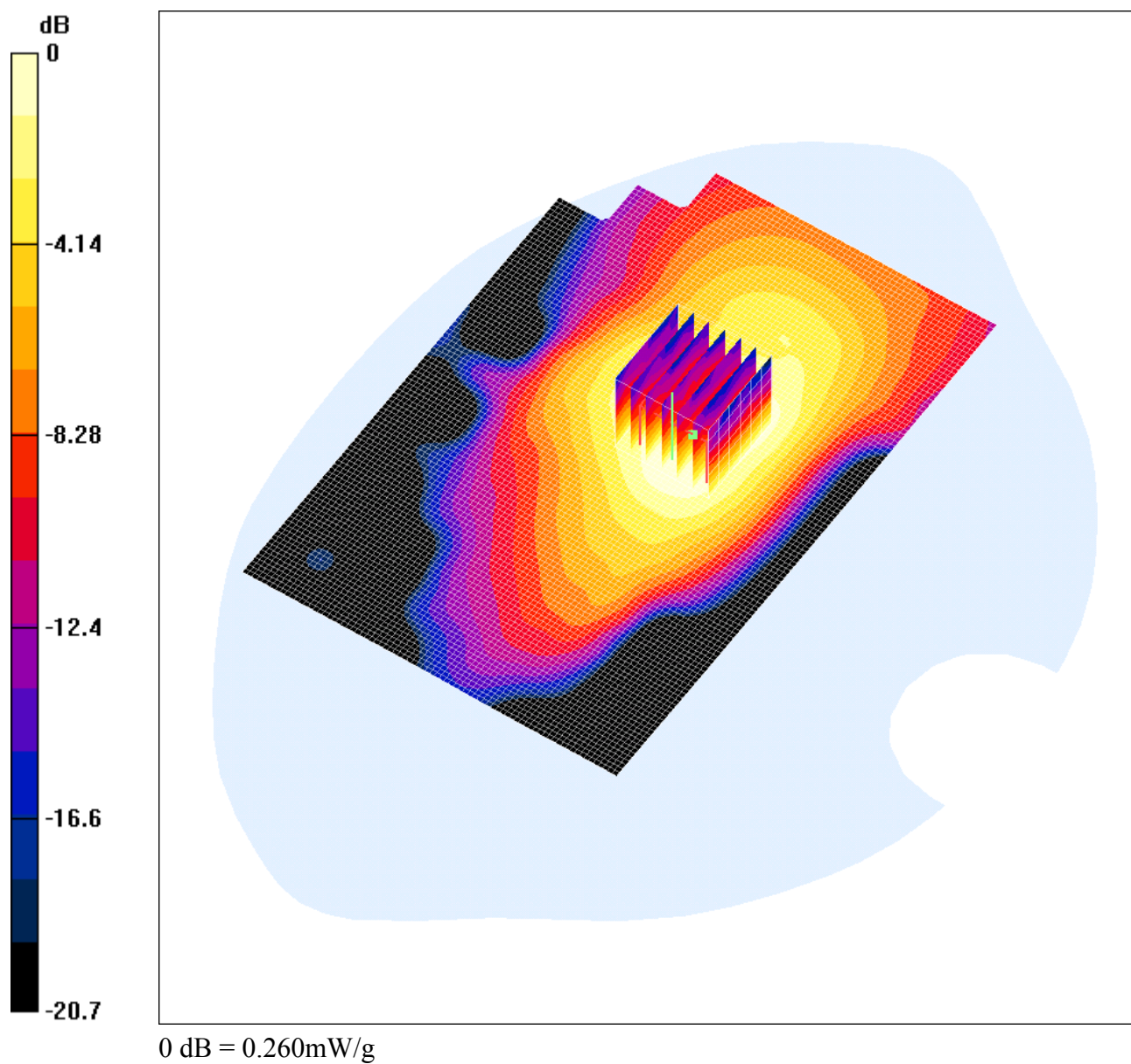
Peak SAR (extrapolated) = 0.942 W/kg

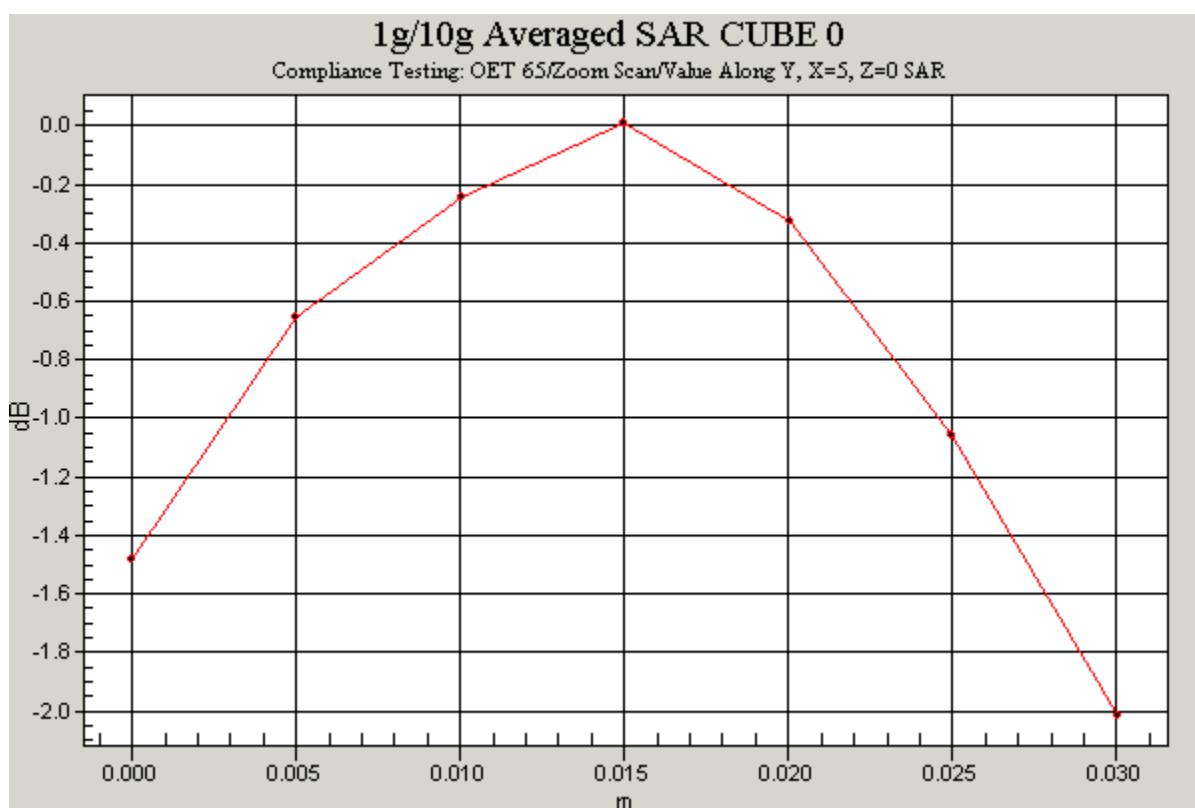
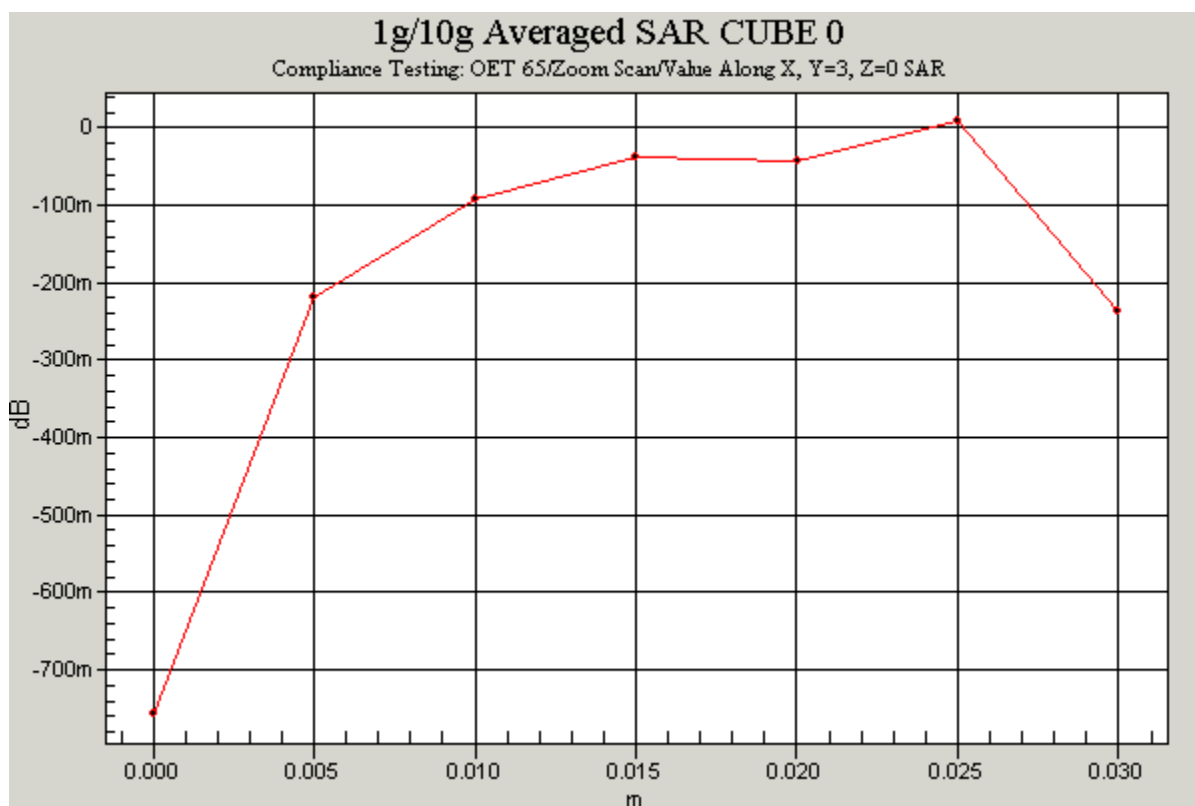
SAR(1 g) = 0.397 mW/g; SAR(10 g) = 0.205 mW/g

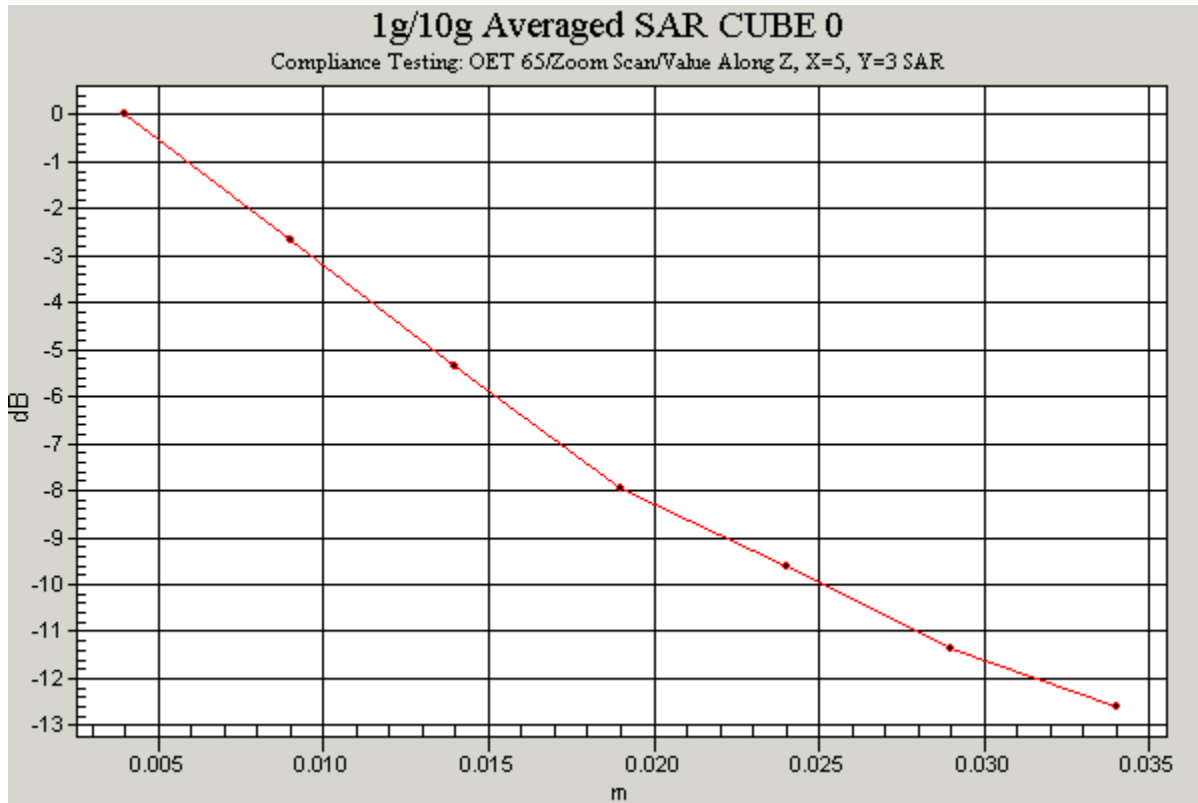
Date: 28/07/04

45219/07/025

Test Laboratory: RADIO FREQUENCY INVESTIGATION LTD.

**45219_JD07_Flat_Section_2600MHz_6MHz Channel_ 0 Degrees to
Phantom_PCMCIA_Modem_in_Slot_Single_Slot_Only_SONY Host****DUT: IP Wireless UK Ltd.; Type: 6MHz Channel PCMCIA Modem; Serial: FD5D34100F213**





Communication System: TDCDMA - 6MHz Channel; Frequency: 2596 MHz; Duty Cycle: 1:3
 Medium: 2450MHz MSL Medium parameters used (interpolated): $f = 2596$ MHz; $\sigma = 2.21$ mho/m; $\epsilon_r = 53.1$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1529; ConvF(4.05, 4.05, 4.05); Calibrated: 09/06/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 14/05/2004
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

0 Degrees to Phantom, PCMCIA Modem in Slot, Single Slot Only 2/Area Scan (81x121x1):

Measurement grid: dx=15mm, dy=15mm
 Reference Value = 6.27 V/m; Power Drift = 0.2 dB
 Maximum value of SAR (interpolated) = 0.259 mW/g

0 Degrees to Phantom, PCMCIA Modem in Slot, Single Slot Only 2/Zoom Scan

(7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.27 V/m; Power Drift = 0.2 dB

Maximum value of SAR (measured) = 0.260 mW/g

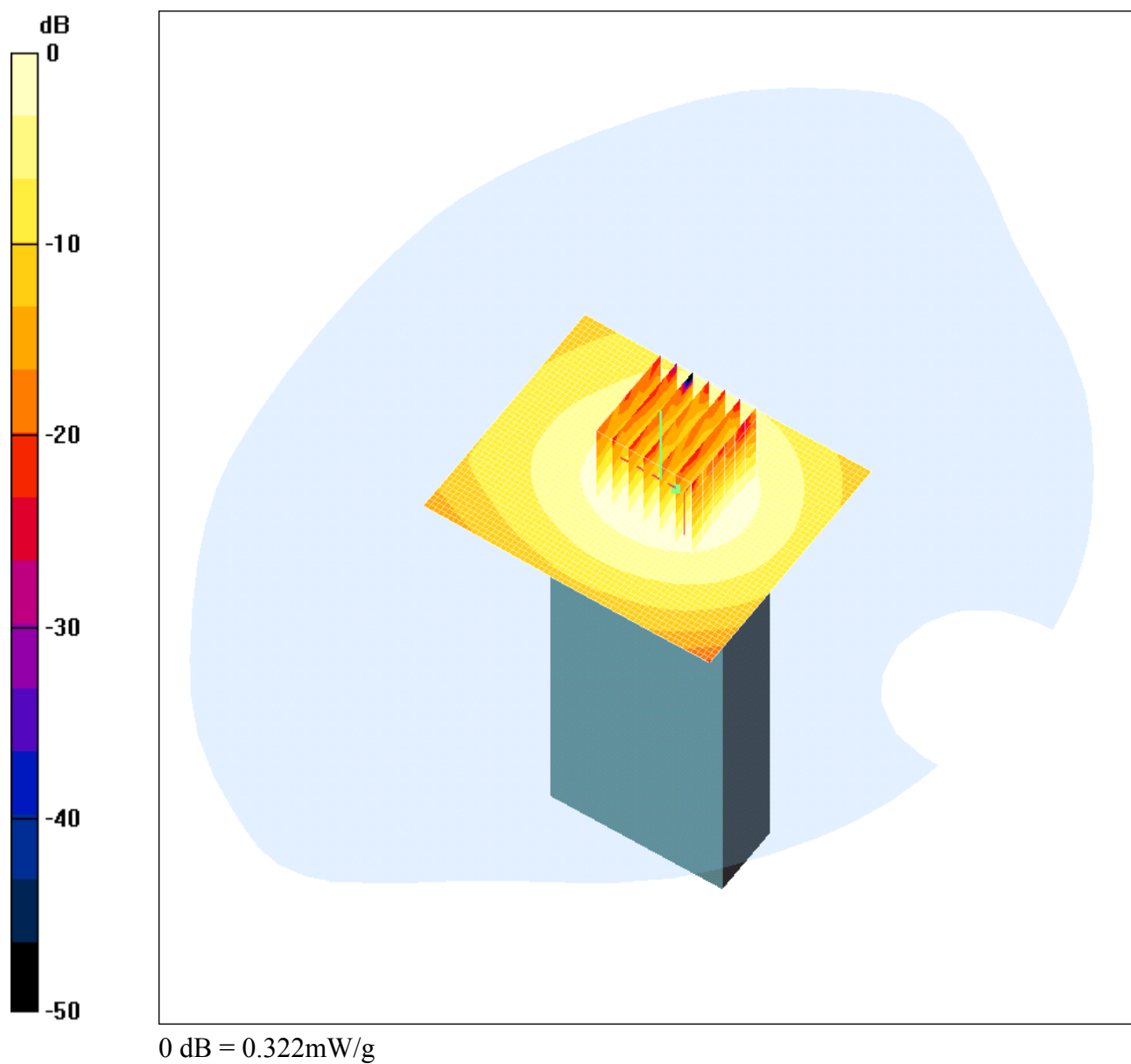
Peak SAR (extrapolated) = 0.515 W/kg

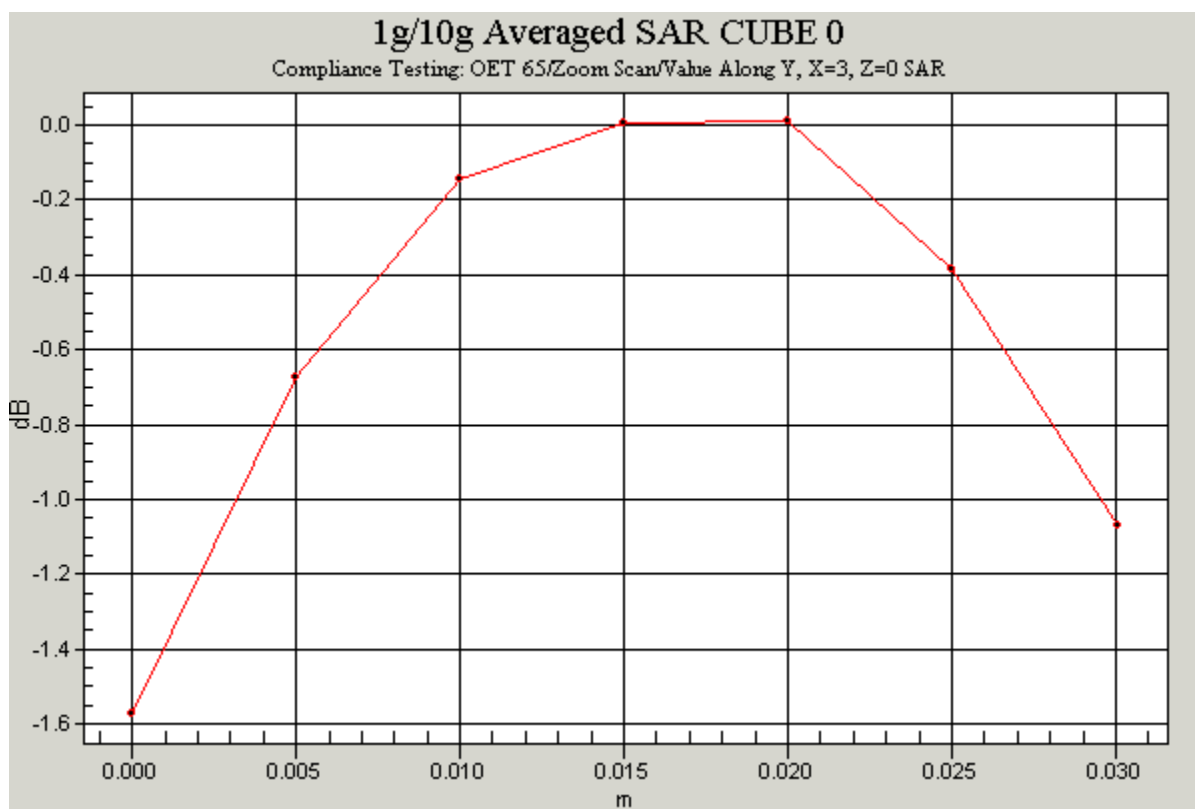
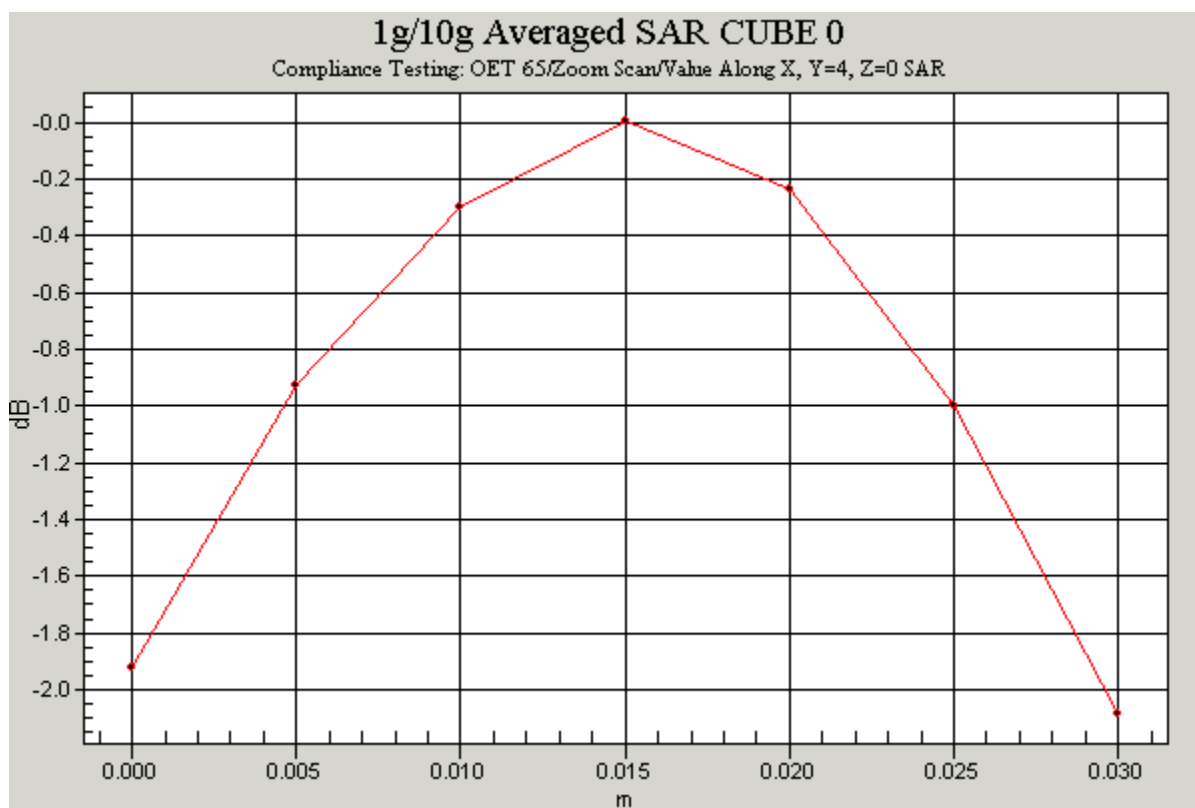
SAR(1 g) = 0.247 mW/g; SAR(10 g) = 0.143 mW/g

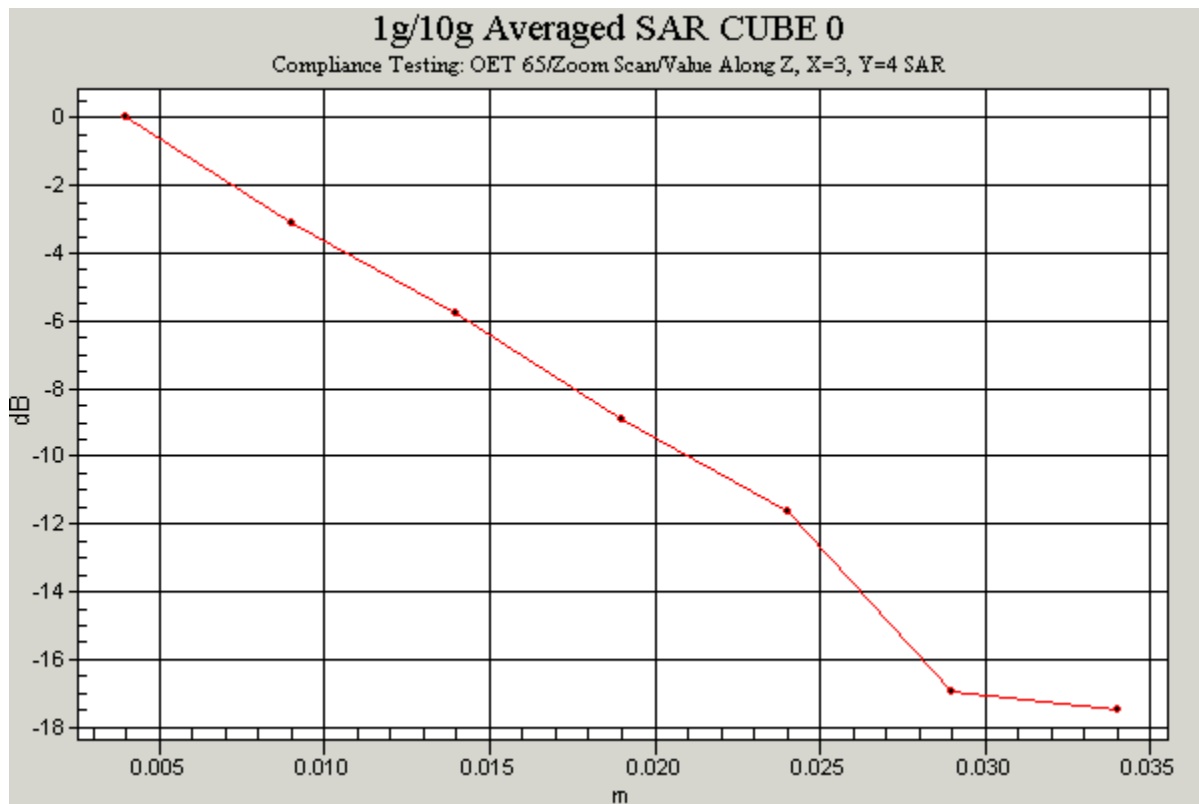
Date: 28/07/04

45219/07/026

Test Laboratory: RADIO FREQUENCY INVESTIGATION LTD.

**45219_JD07_Flat_Section_2600MHz_6MHz Channel_ 90 Degrees to
Phantom_PCMCIA_Modem_in_Slot_Single_Slot_Only_SONY Host****DUT: IP Wireless UK Ltd.; Type: 6MHz Channel PCMCIA Modem; Serial: FD5D34100F213**





Communication System: TDCDMA - 6MHz Channel; Frequency: 2596 MHz; Duty Cycle: 1:3
 Medium: 2450MHz MSL Medium parameters used (interpolated): $f = 2596$ MHz; $\sigma = 2.21$ mho/m; $\epsilon_r = 53.1$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1529; ConvF(4.05, 4.05, 4.05); Calibrated: 09/06/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 14/05/2004
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

90 Degrees to Phantom, PCMCIA Modem in Slot, Single Slot Only/Area Scan (61x51x1):

Measurement grid: dx=15mm, dy=15mm
 Reference Value = 12.1 V/m; Power Drift = -0.1 dB
 Maximum value of SAR (interpolated) = 0.328 mW/g

90 Degrees to Phantom, PCMCIA Modem in Slot, Single Slot Only/Zoom Scan

(7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.1 V/m; Power Drift = -0.1 dB

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

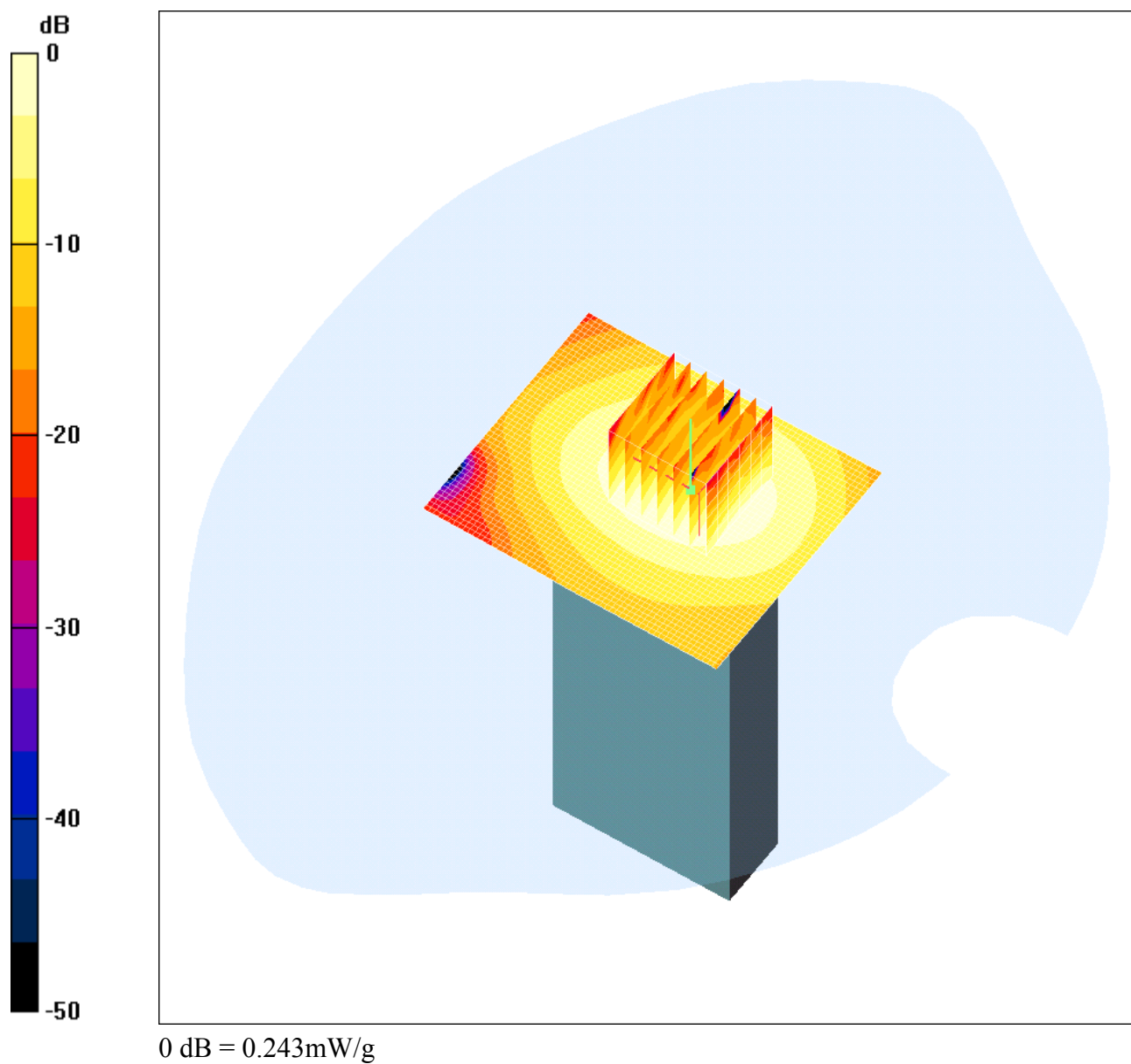
Peak SAR (extrapolated) = 0.672 W/kg

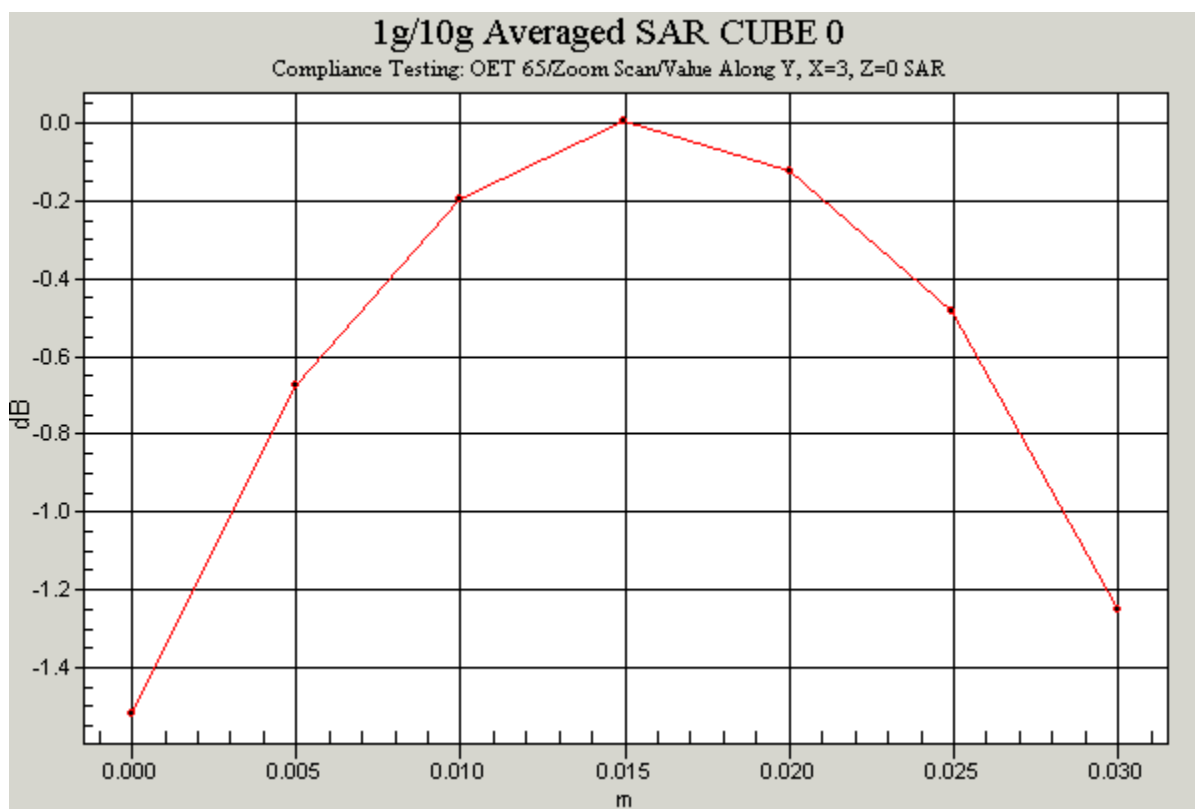
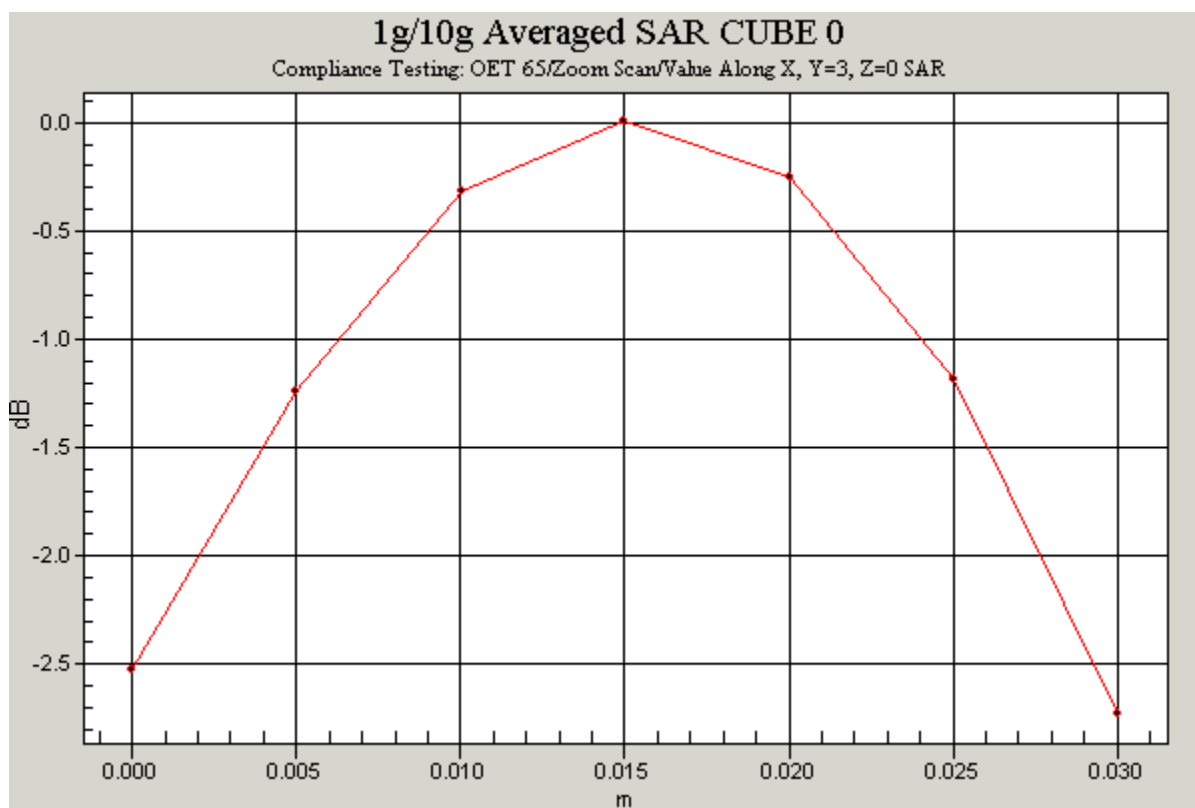
SAR(1 g) = 0.307 mW/g; SAR(10 g) = 0.163 mW/g

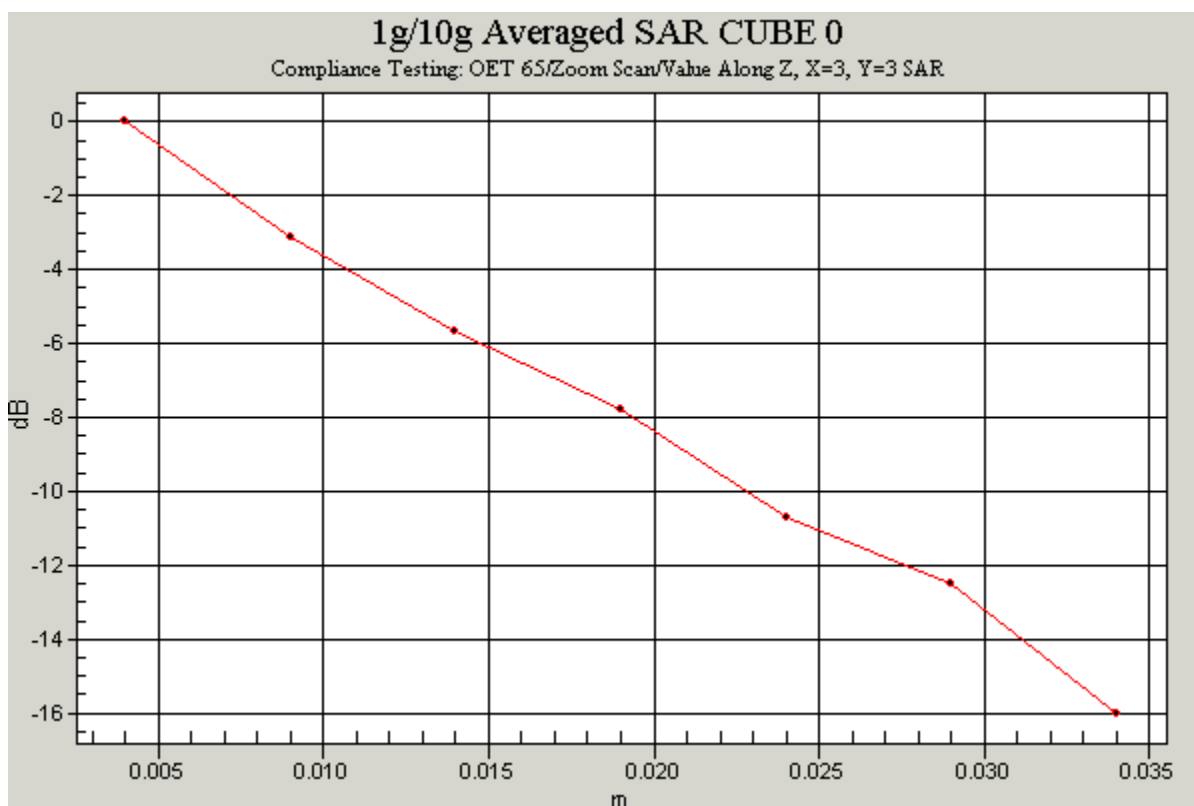
Date: 28/07/04

45219/07/27

Test Laboratory: RADIO FREQUENCY INVESTIGATION LTD.

**45219_JD07_Flat_Section_2600MHz_6MHz Channel_ 90 Degrees to
Phantom_PCMCIA_Modem_in_Slot_Single_Slot_Only_SONY Host_Worst_Case_Low****DUT: IP Wireless UK Ltd.; Type: 6MHz Channel PCMCIA Modem; Serial: FD5D34100F213**





Communication System: TDCDMA - 6MHz Channel; Frequency: 2503 MHz; Duty Cycle: 1:3
 Medium: 2450MHz MSL Medium parameters used (interpolated): $f = 2503$ MHz; $\sigma = 2.08$ mho/m; $\epsilon_r = 53.4$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1529; ConvF(4.05, 4.05, 4.05); Calibrated: 09/06/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 14/05/2004
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

90 Degrees to Phantom, PCMCIA Modem in Slot, Single Slot Only (Low)/Area Scan

(61x51x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 10.2 V/m; Power Drift = -0.0 dB

Maximum value of SAR (interpolated) = 0.244 mW/g

90 Degrees to Phantom, PCMCIA Modem in Slot, Single Slot Only (Low)/Zoom Scan

(7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.2 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.243 mW/g

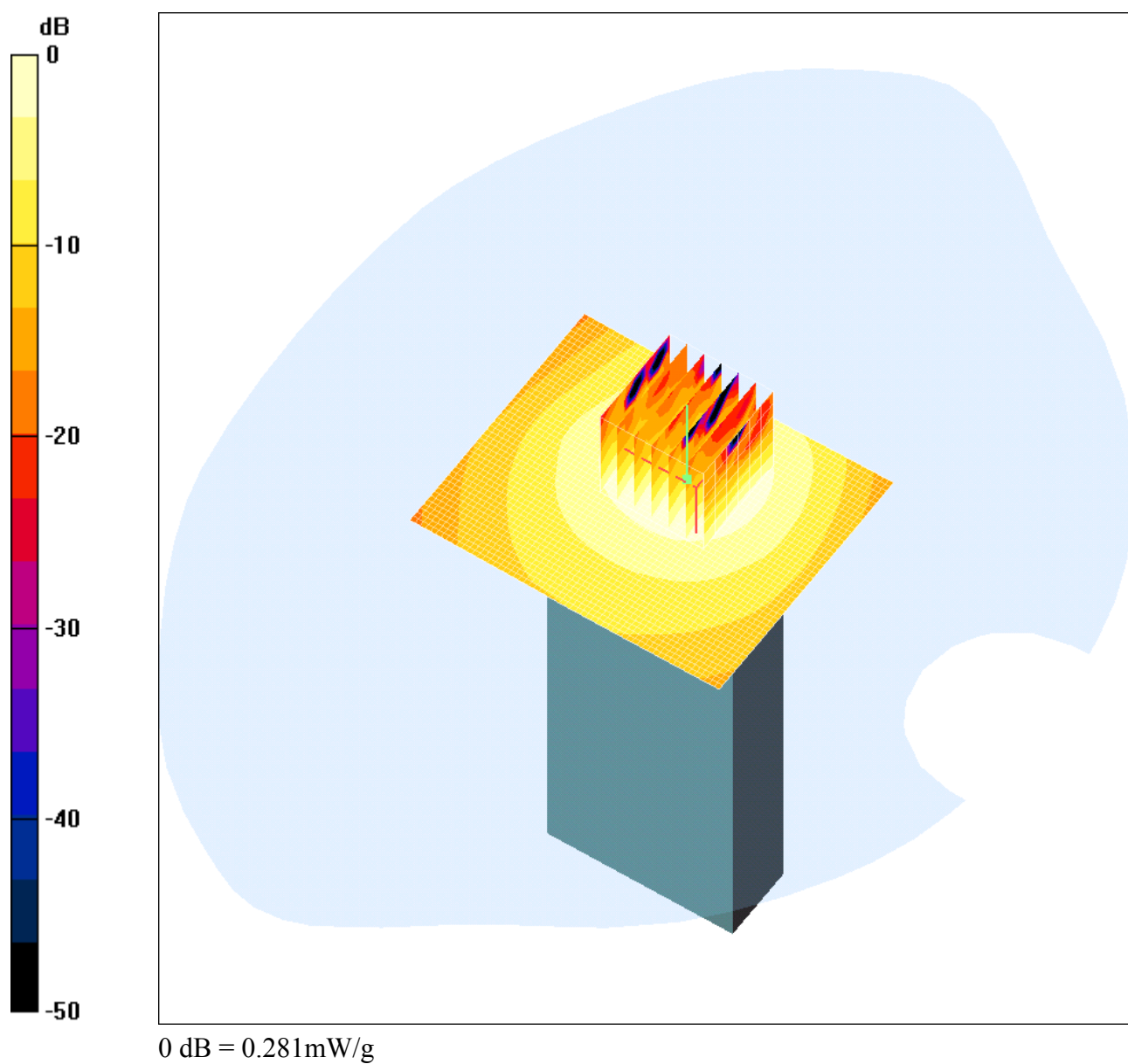
Peak SAR (extrapolated) = 0.497 W/kg

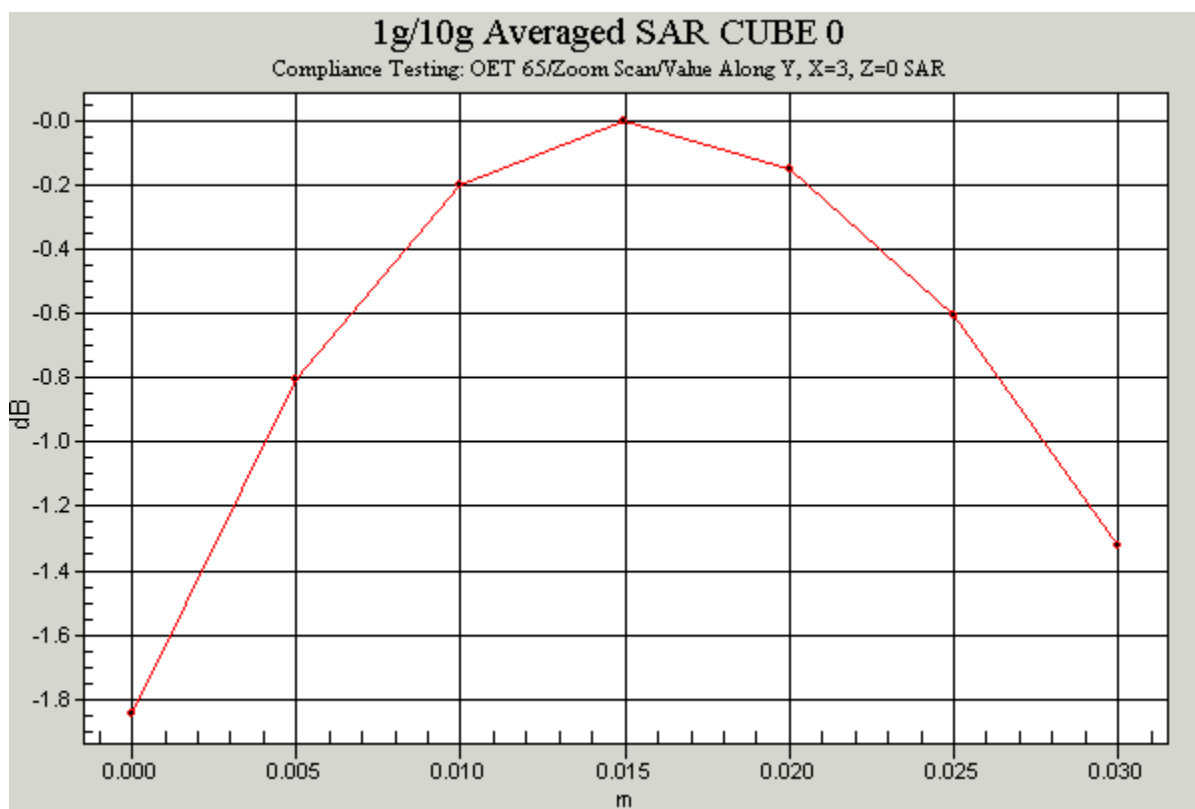
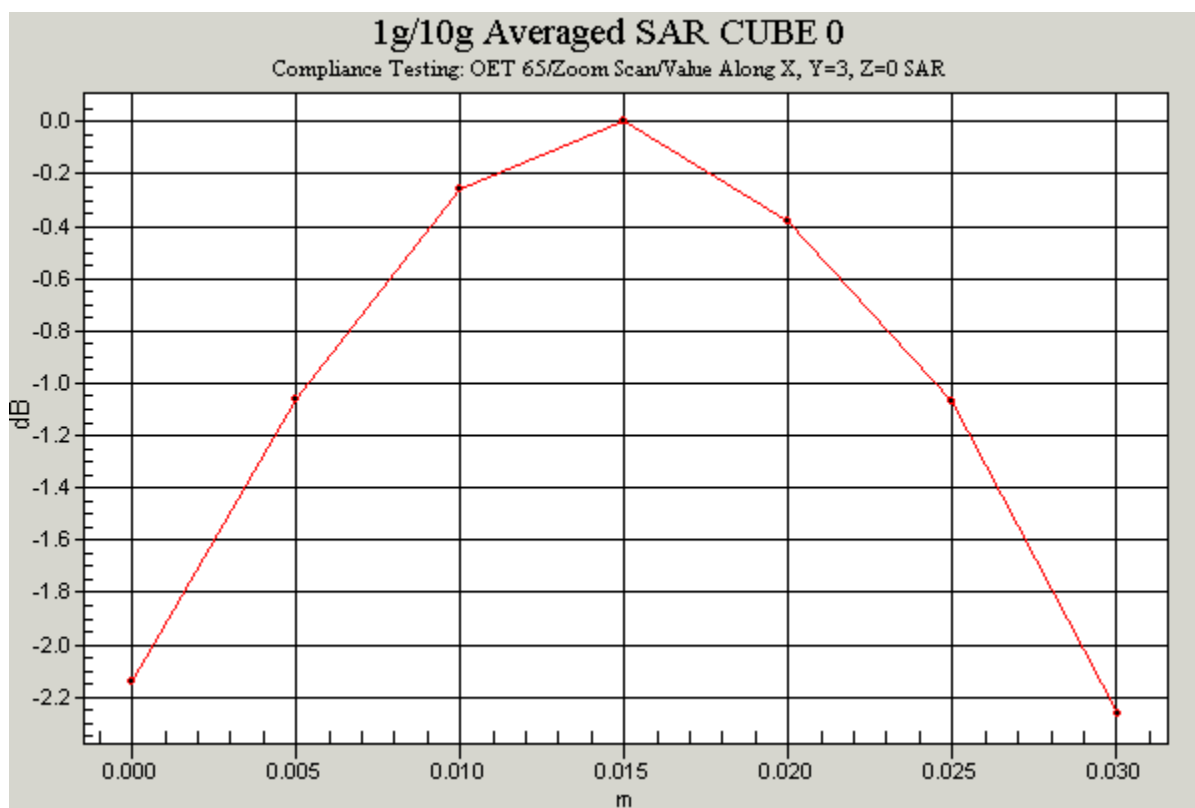
SAR(1 g) = 0.228 mW/g; SAR(10 g) = 0.121 mW/g

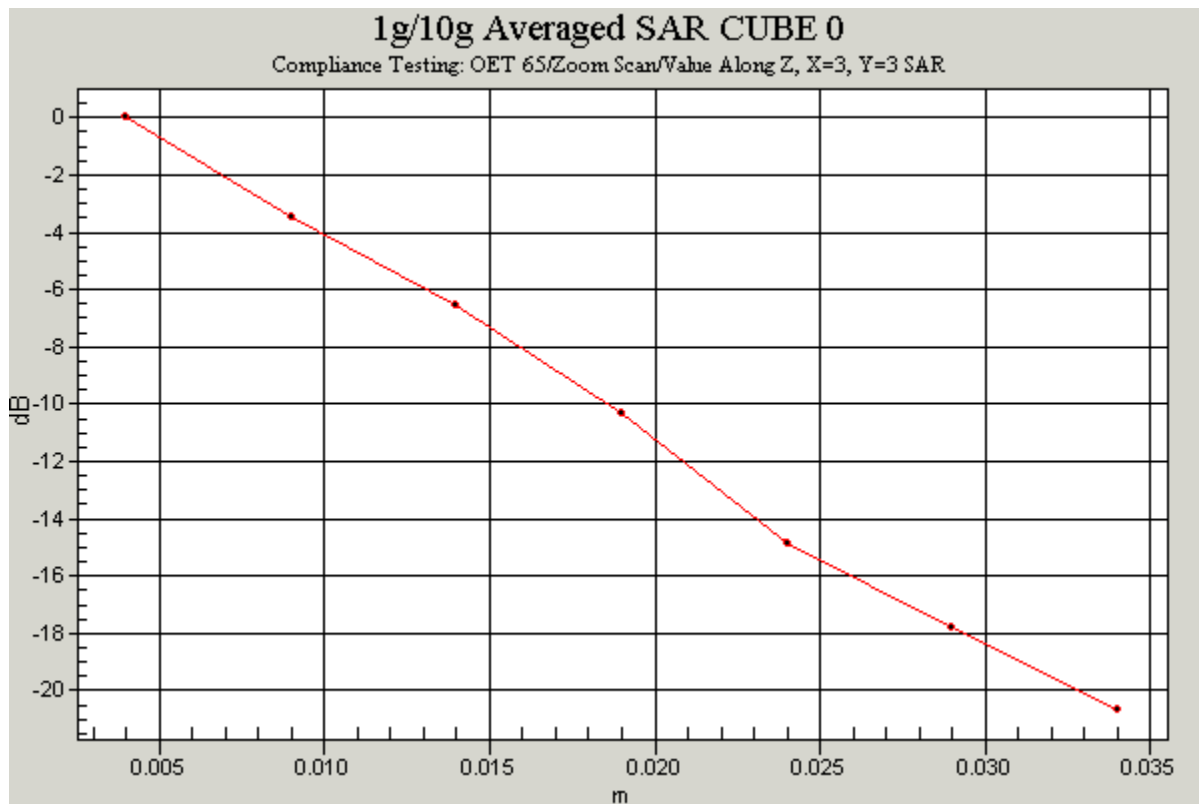
Date: 28/07/04

45219/07/028

Test Laboratory: RADIO FREQUENCY INVESTIGATION LTD.

**45219_JD07_Flat_Section_2600MHz_6MHz Channel_ 90 Degrees to
Phantom_PCMCIA_Modem_in_Slot_Single_Slot_Only_SONY Host_Worst_Case_High****DUT: IP Wireless UK Ltd.; Type: 6MHz Channel PCMCIA Modem; Serial: FD5D34100F213**





Communication System: TDCDMA - 6MHz Channel; Frequency: 2683 MHz; Duty Cycle: 1:3
 Medium: 2450MHz MSL Medium parameters used (interpolated): $f = 2683$ MHz; $\sigma = 2.33$ mho/m; $\epsilon_r = 52.7$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1529; ConvF(4.05, 4.05, 4.05); Calibrated: 09/06/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 14/05/2004
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

90 Degrees to Phantom, PCMCIA Modem in Bottom Slot(High)/Area Scan (61x51x1):

Measurement grid: dx=15mm, dy=15mm
 Reference Value = 8.87 V/m; Power Drift = 0.2 dB
 Maximum value of SAR (interpolated) = 0.278 mW/g

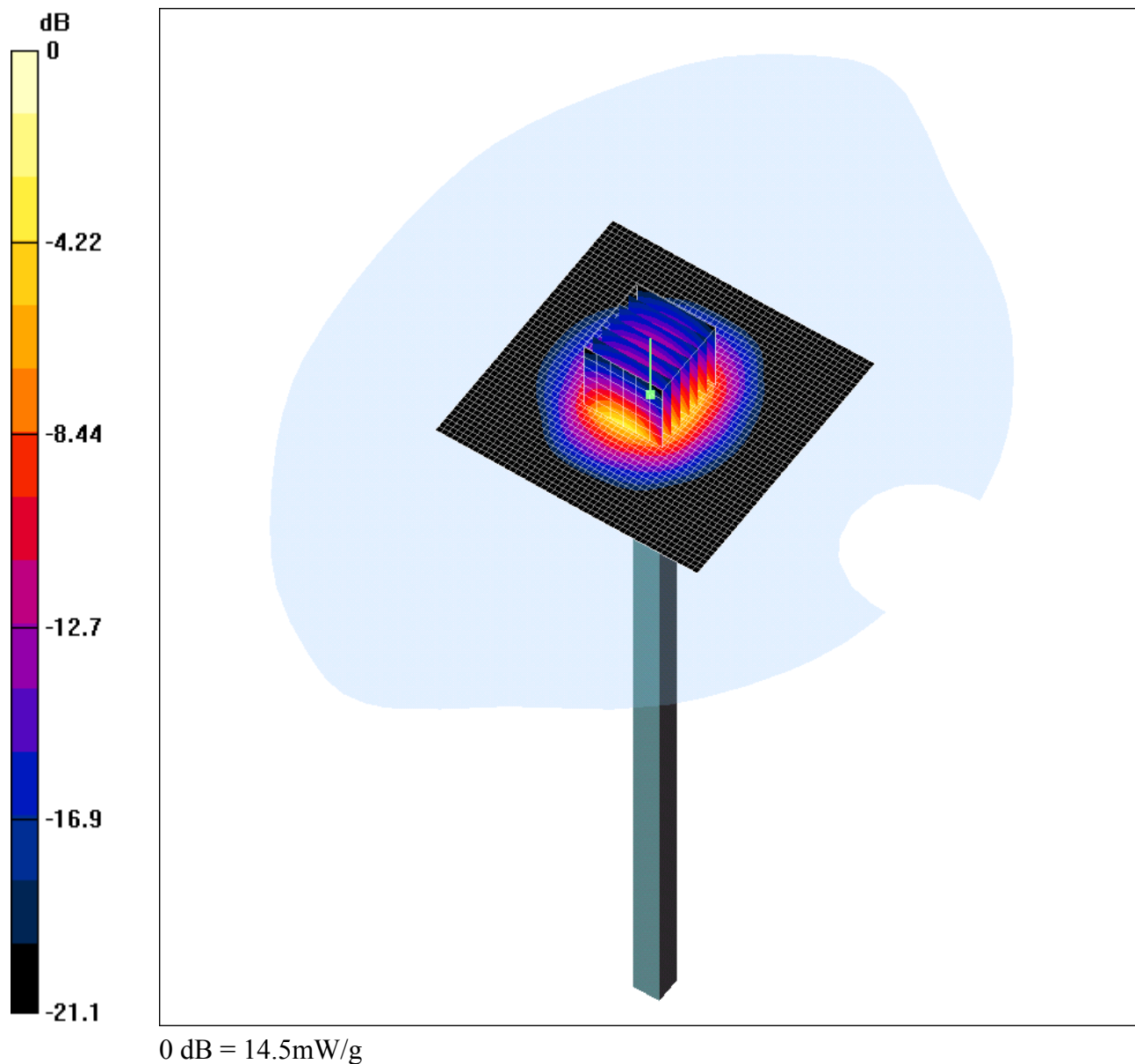
90 Degrees to Phantom, PCMCIA Modem in Bottom Slot(High)/Zoom Scan (7x7x7)/Cube

0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 8.87 V/m; Power Drift = 0.2 dB
 Maximum value of SAR (measured) = 0.281 mW/g
 Peak SAR (extrapolated) = 0.640 W/kg
SAR(1 g) = 0.265 mW/g; SAR(10 g) = 0.133 mW/g

Date: 21/07/04

VALIDATION_001

Test Laboratory: RADIO FREQUENCY INVESTIGATION LTD.

System Performance Check-D2450 21 07 04**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN725**

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: 2450MHz MSL Medium parameters used: $f = 2450$ MHz; $\sigma = 2.01$ mho/m; $\epsilon_r = 53.6$; $\rho = 1000$ kg/m^3

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1529; ConvF(4.16, 4.16, 4.16); Calibrated: 10/06/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 14/05/2004
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

d=10mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm

Reference Value = 85.7 V/m; Power Drift = 0.1 dB

Maximum value of SAR (interpolated) = 17.7 mW/g

d=10mm, Pin=250mW/Zoom Scan 7x7x7 (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 85.7 V/m; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 14.5 mW/g

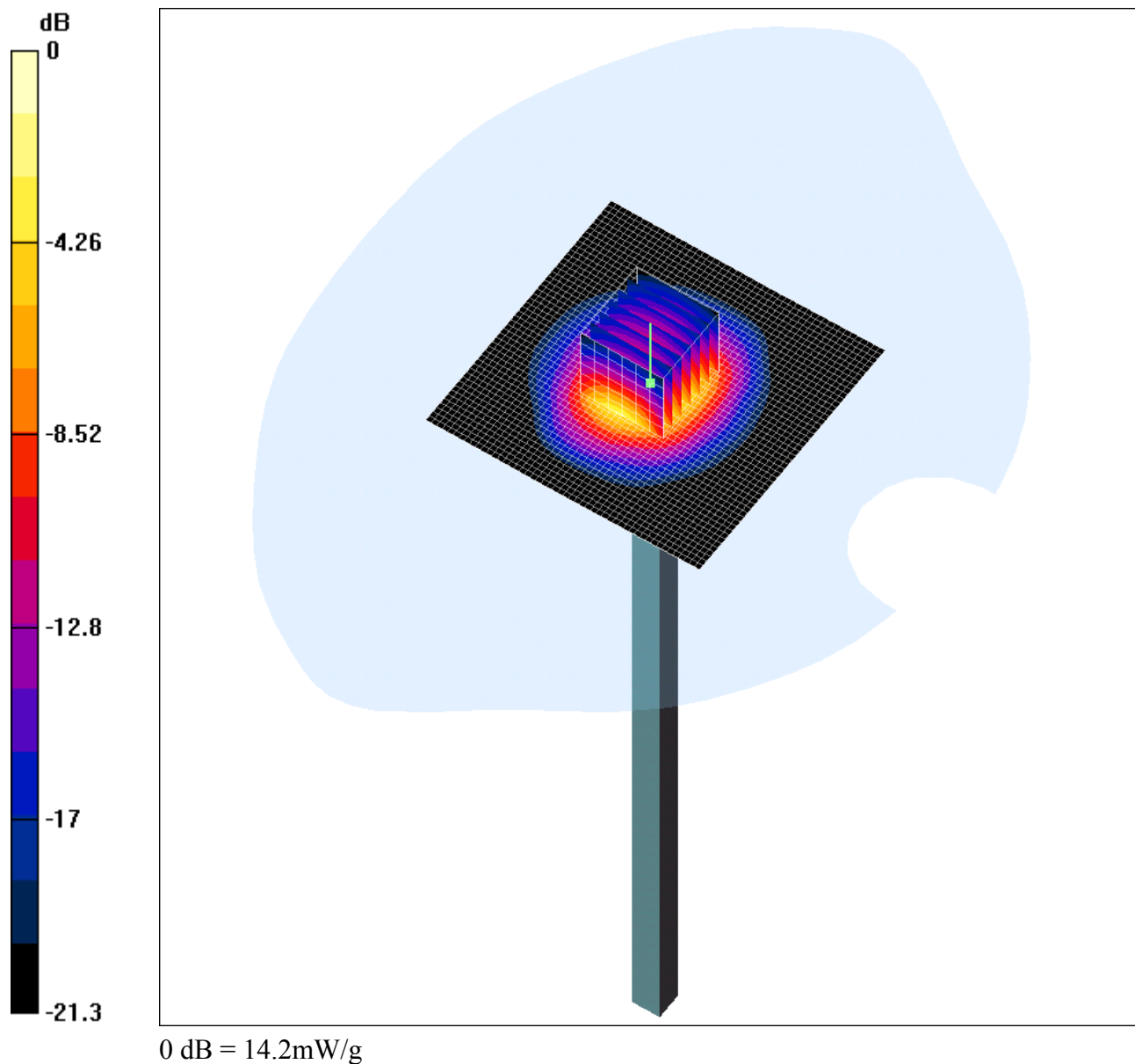
Peak SAR (extrapolated) = 29.2 W/kg

SAR(1 g) = 12.7 mW/g; SAR(10 g) = 5.81 mW/g

Date: 22/07/04

VALIDATION_002

Test Laboratory: RADIO FREQUENCY INVESTIGATION LTD.

System Performance Check-D2450 22 07 04**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN725**

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: 2450MHz MSL Medium parameters used: $f = 2450$ MHz; $\sigma = 2$ mho/m; $\epsilon_r = 54.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1529; ConvF(4.16, 4.16, 4.16); Calibrated: 10/06/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 14/05/2004
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

d=10mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm

Reference Value = 86.4 V/m; Power Drift = 0.0 dB

Maximum value of SAR (interpolated) = 16.7 mW/g

d=10mm, Pin=250mW/Zoom Scan 7x7x7 (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 86.4 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 14.2 mW/g

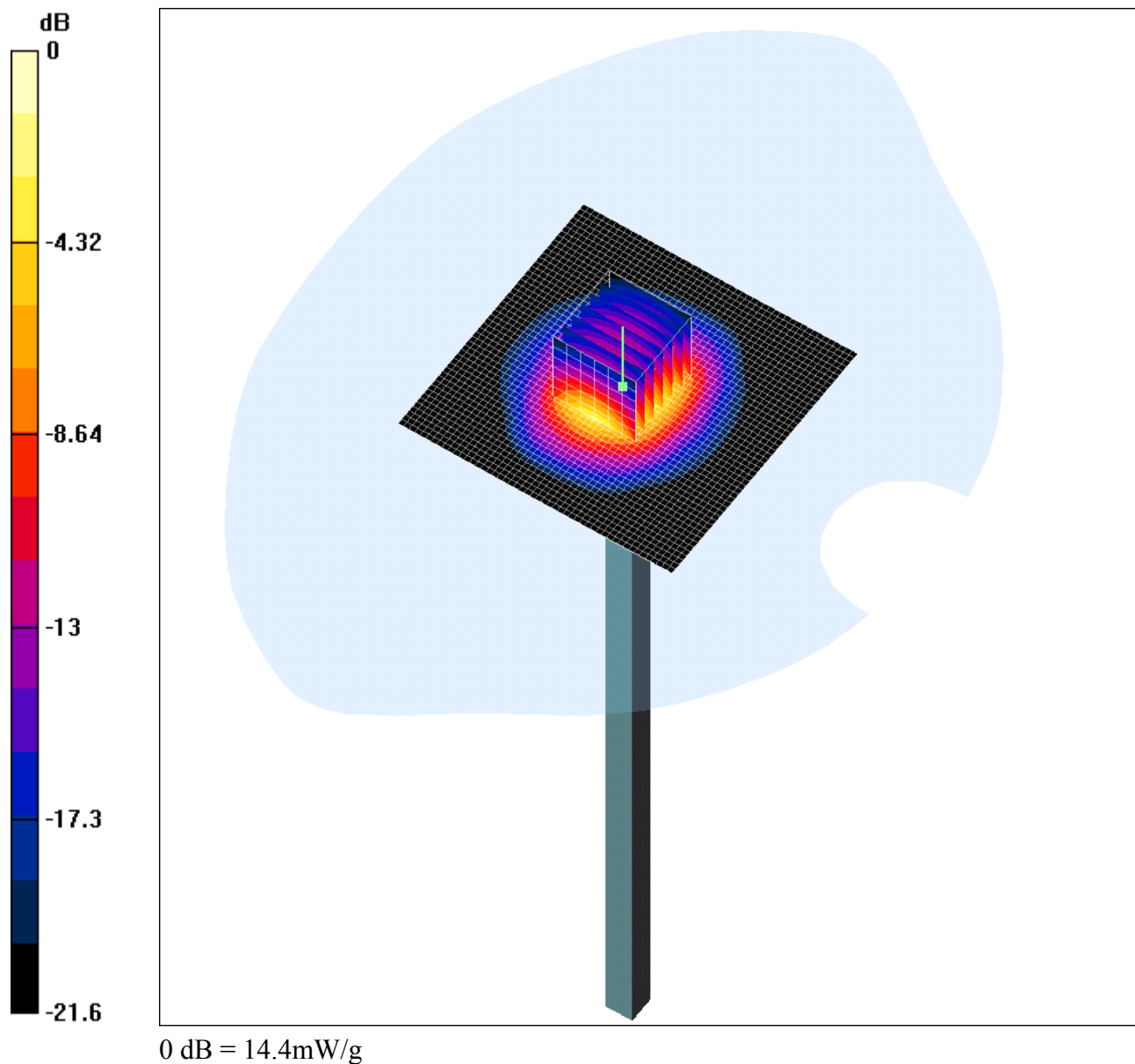
Peak SAR (extrapolated) = 28.5 W/kg

SAR(1 g) = 12.7 mW/g; SAR(10 g) = 5.83 mW/g

Date: 23/07/04

VALIDATION_003

Test Laboratory: RADIO FREQUENCY INVESTIGATION LTD.

System Performance Check-D2450 23 07 04**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN725**

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: 2450MHz MSL Medium parameters used: $f = 2450$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 54.1$; $\rho = 1000$ kg/m^3

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1529; ConvF(4.16, 4.16, 4.16); Calibrated: 10/06/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 14/05/2004
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

d=10mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm

Reference Value = 87.4 V/m; Power Drift = 0.1 dB

Maximum value of SAR (interpolated) = 17.8 mW/g

d=10mm, Pin=250mW/Zoom Scan 7x7x7 (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 87.4 V/m; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 14.4 mW/g

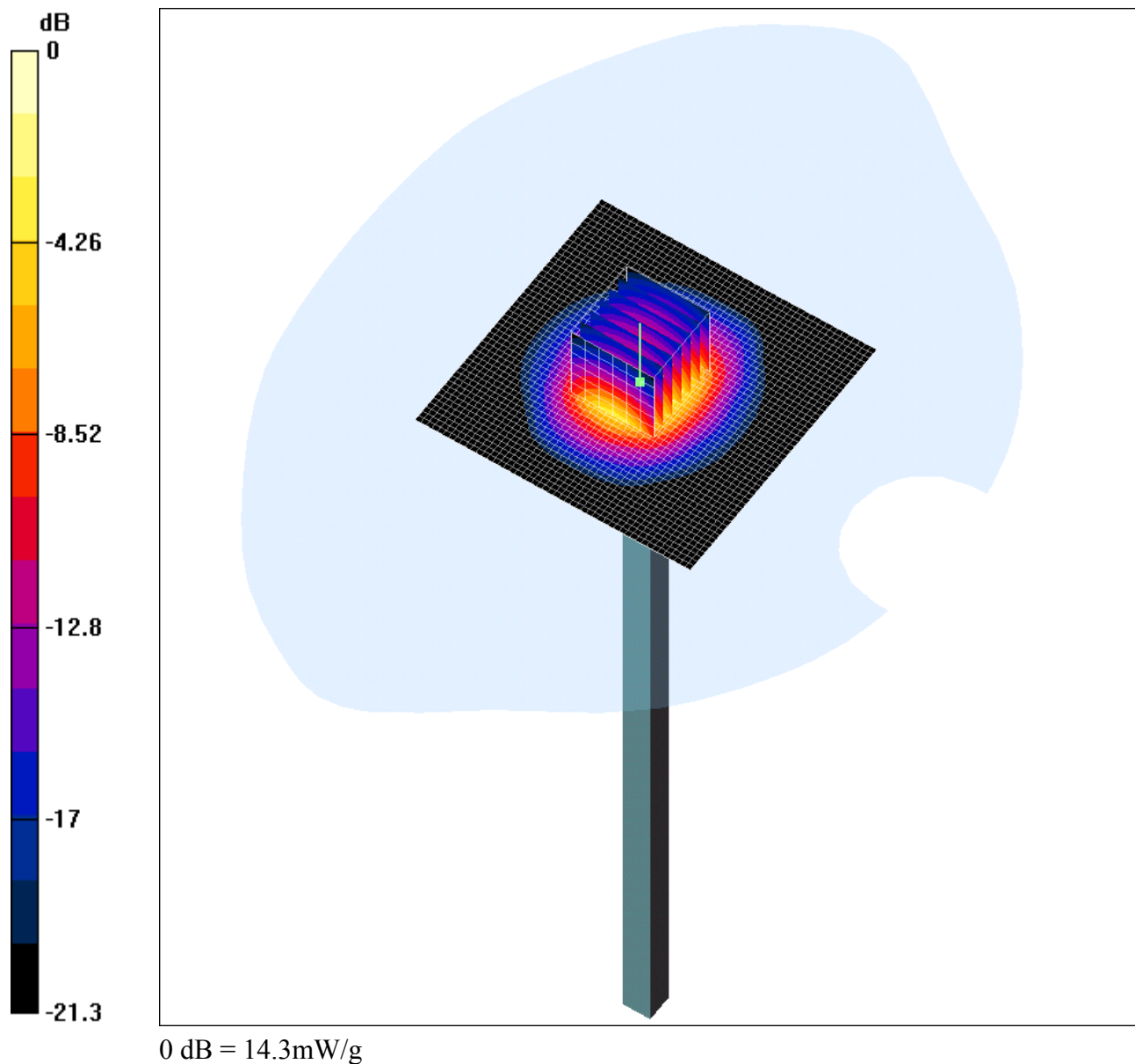
Peak SAR (extrapolated) = 28.8 W/kg

SAR(1 g) = 12.8 mW/g; SAR(10 g) = 5.9 mW/g

Date: 28/07/04

VALIDATION_004

Test Laboratory: RADIO FREQUENCY INVESTIGATION LTD.

System Performance Check-D2450 28 07 04**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN725**

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: 2450MHz MSL Medium parameters used: $f = 2450$ MHz; $\sigma = 2.01$ mho/m; $\epsilon_r = 53.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1529; ConvF(4.16, 4.16, 4.16); Calibrated: 10/06/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 14/05/2004
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

d=10mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm

Reference Value = 86.2 V/m; Power Drift = 0.2 dB

Maximum value of SAR (interpolated) = 18.3 mW/g

d=10mm, Pin=250mW/Zoom Scan 7x7x7 (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 86.2 V/m; Power Drift = 0.2 dB

Maximum value of SAR (measured) = 14.3 mW/g

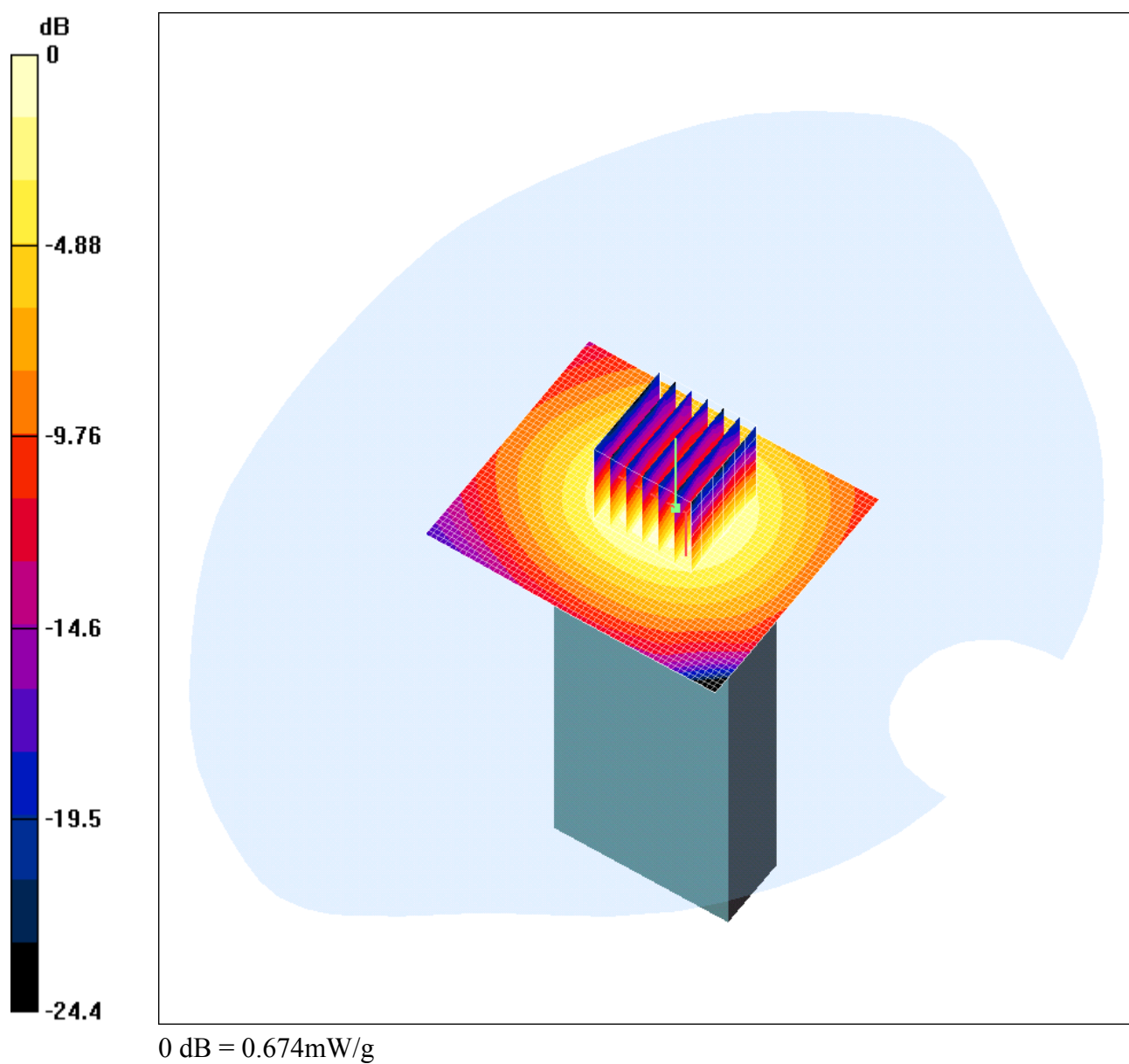
Peak SAR (extrapolated) = 28.6 W/kg

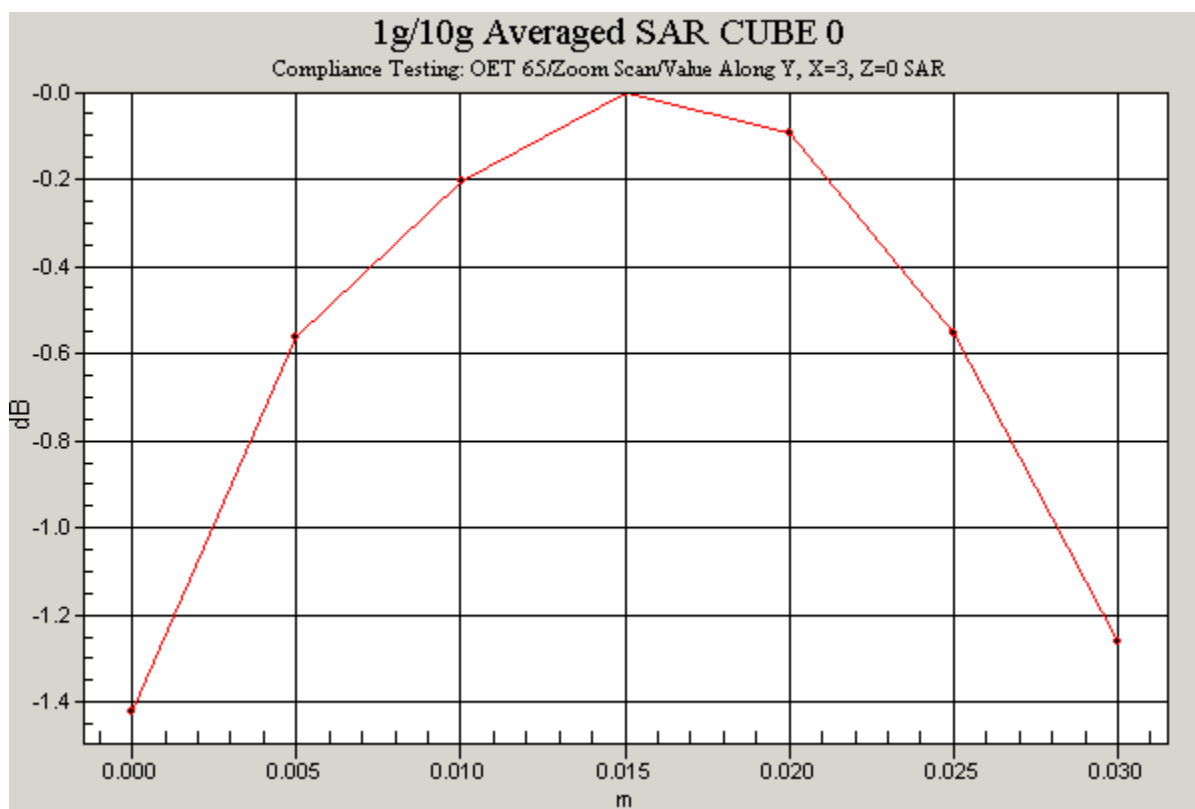
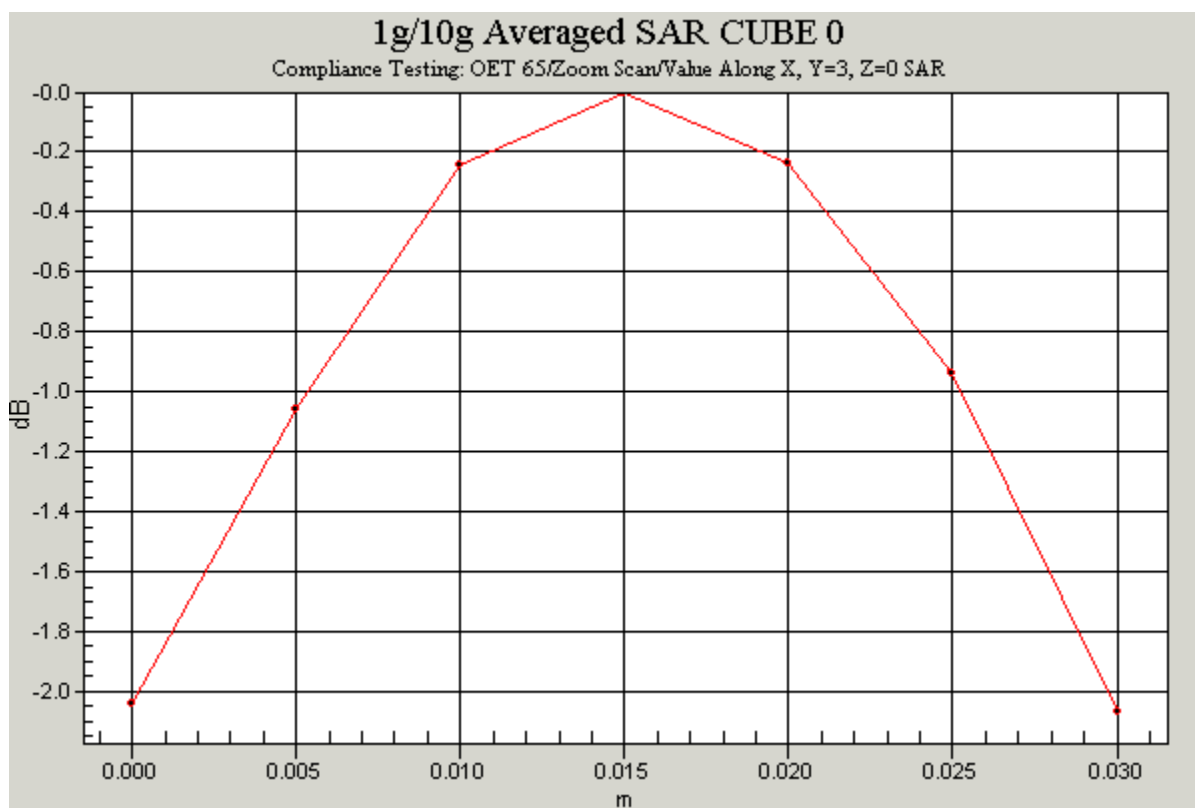
SAR(1 g) = 12.6 mW/g; SAR(10 g) = 5.83 mW/g

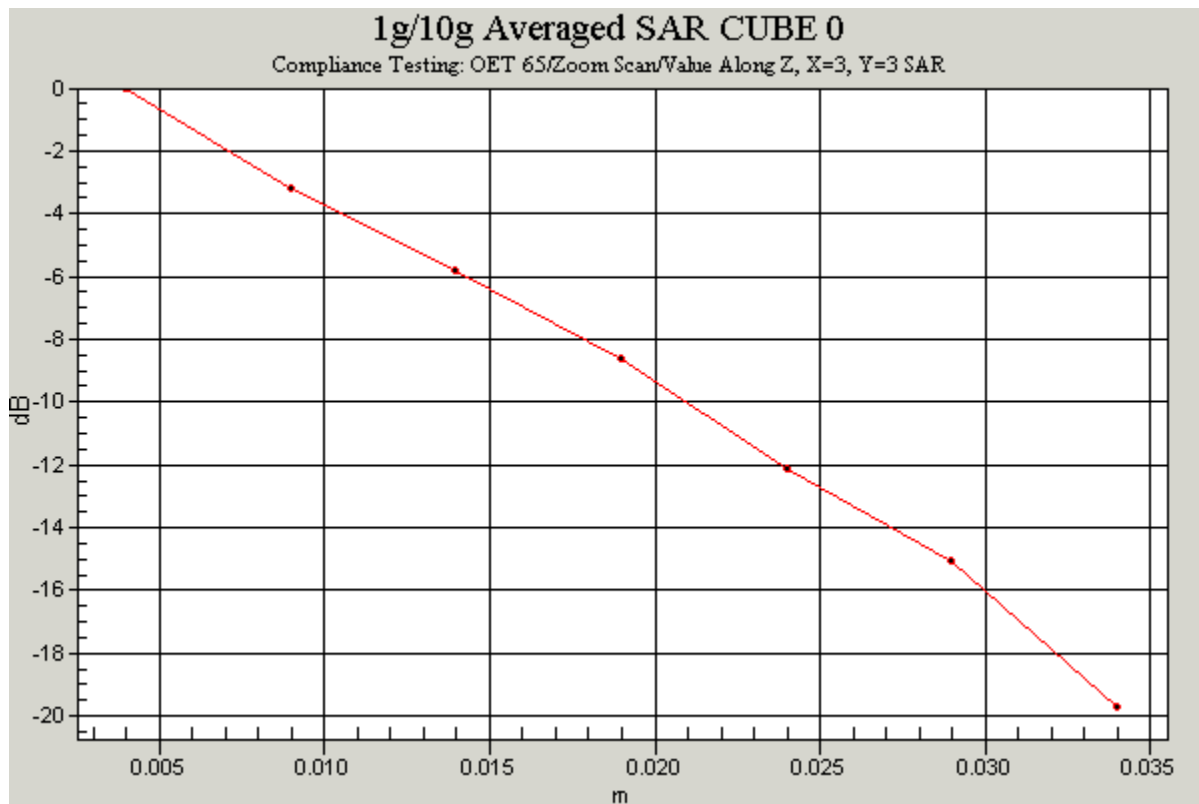
Date: 23/07/04

45219/07/022

Test Laboratory: RADIO FREQUENCY INVESTIGATION LTD.

**45219_JD07_Flat_Section_2600MHz_12MHz Channel_ 90 Degrees to
Phantom_PCMCIA_Modem_in_Slot_Single_Slot_Only_SONY Host****DUT: IP Wireless UK Ltd.; Type: 12MHz Channel PCMCIA Modem; Serial: FD5D34100F213**





Communication System: TDCDMA - 12MHz Channel; Frequency: 2596 MHz; Duty Cycle: 1:3
 Medium: 2450MHz MSL Medium parameters used (interpolated): $f = 2596$ MHz; $\sigma = 2.19$ mho/m; $\epsilon_r = 53.5$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1529; ConvF(4.05, 4.05, 4.05); Calibrated: 09/06/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 14/05/2004
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

90 Degrees to Phantom, PCMCIA Modem in Slot, Single Slot Only/Area Scan (61x51x1):

Measurement grid: $dx=15$ mm, $dy=15$ mm
 Reference Value = 16.8 V/m; Power Drift = 0.0 dB
 Maximum value of SAR (interpolated) = 0.662 mW/g

90 Degrees to Phantom, PCMCIA Modem in Slot, Single Slot Only/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 16.8 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 0.674 mW/g

Peak SAR (extrapolated) = 1.45 W/kg

SAR(1 g) = 0.641 mW/g; SAR(10 g) = 0.339 mW/g