

SAMSUNG FCC ID : A3LSCHW531 CDMA HEAD SAR

DUT: SCH-W531; Serial: FD-191-C

Program Name: SCH-W531 CDMA Right (Job No. : FD-191)

Procedure Name: Cheek/Touch, Ch.0384, Intenna, Bat. Standard With BT ON

Meas. Ambient Temp(celsius)-22.3, Tissue Temp(celsius)-21.9 ;Test Date-12/Oct/2006

Communication System: CDMA; Frequency: 836.52 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 836.52 \text{ MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 40.3$; $\rho = 1000 \text{ kg/m}^3$;

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3085; ConvF(5.73, 5.73, 5.73); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Cheek/Touch, Ch.0384, Intenna, Bat. Standard With BT ON/Area Scan (51x71x1):

Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.928 mW/g

Cheek/Touch, Ch.0384, Intenna, Bat. Standard With BT ON/Zoom Scan (5x5x7)/Cube 0:

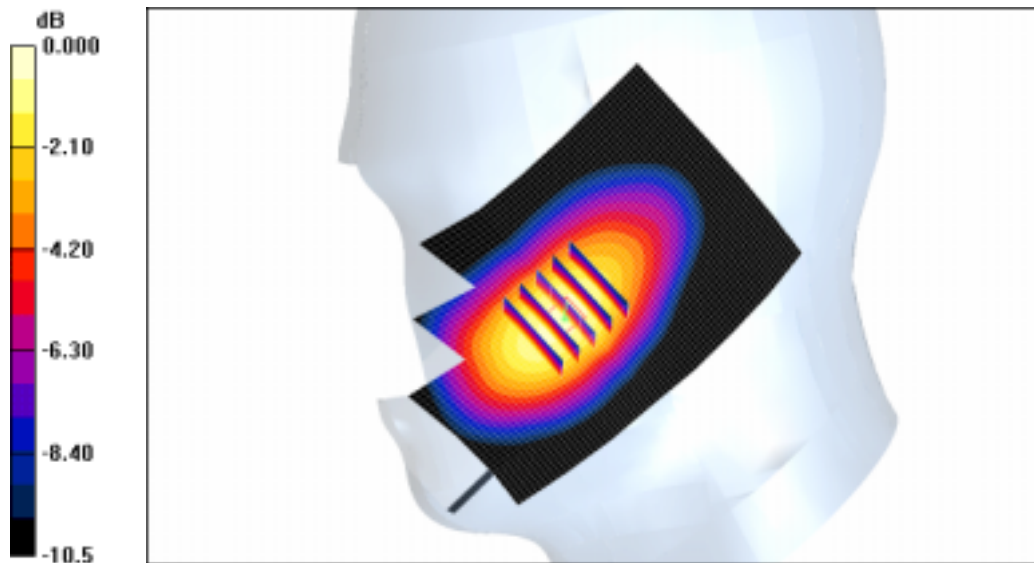
Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 10.2 V/m; Power Drift = -0.157 dB

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.912 mW/g

Maximum value of SAR (measured) = 0.984 mW/g



0 dB = 0.984mW/g

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DUT: SCH-W531; Serial: FD-191-C

Program Name: SCH-W531 CDMA Right (Job No. : FD-191)

Procedure Name: Ear/Tilt, Ch.0384, Intenna, Bat. Standard

Meas. Ambient Temp(celsius)-22.3, Tissue Temp(celsius)-21.9 ;Test Date-12/Oct/2006

Communication System: CDMA; Frequency: 836.52 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 836.52 \text{ MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 40.3$; $\rho = 1000 \text{ kg/m}^3$;

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3085; ConvF(5.73, 5.73, 5.73); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Ear/Tilt, Ch.0384, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid:

$dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.286 mW/g

Ear/Tilt, Ch.0384, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

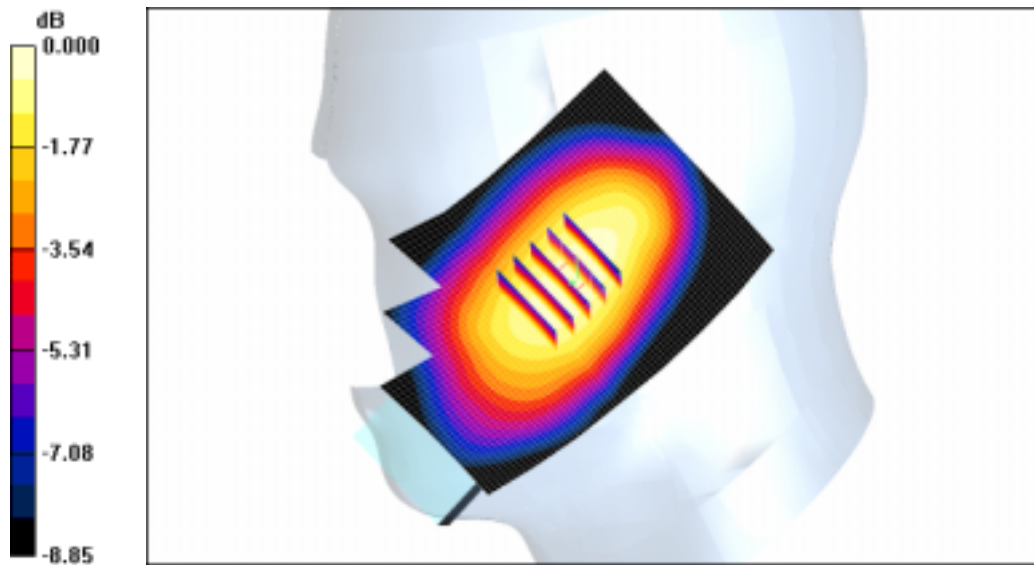
$dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 12.6 V/m; Power Drift = -0.112 dB

Peak SAR (extrapolated) = 0.361 W/kg

SAR(1 g) = 0.275 mW/g

Maximum value of SAR (measured) = 0.292 mW/g



0 dB = 0.292mW/g

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DUT: SCH-W531; Serial: FD-191-C

Program Name: SCH-W531 CDMA Left (Job No. : FD-191)

Procedure Name: Cheek/Touch, Ch.0384, Intenna, Bat. Standard

Meas. Ambient Temp(celsius)-22.3, Tissue Temp(celsius)-21.9 ;Test Date-12/Oct/2006

Communication System: CDMA; Frequency: 836.52 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 836.52 \text{ MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 40.3$; $\rho = 1000 \text{ kg/m}^3$;

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3085; ConvF(5.73, 5.73, 5.73); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build

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Cheek/Touch, Ch.0384, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid:
 $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.928 mW/g

Cheek/Touch, Ch.0384, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0:

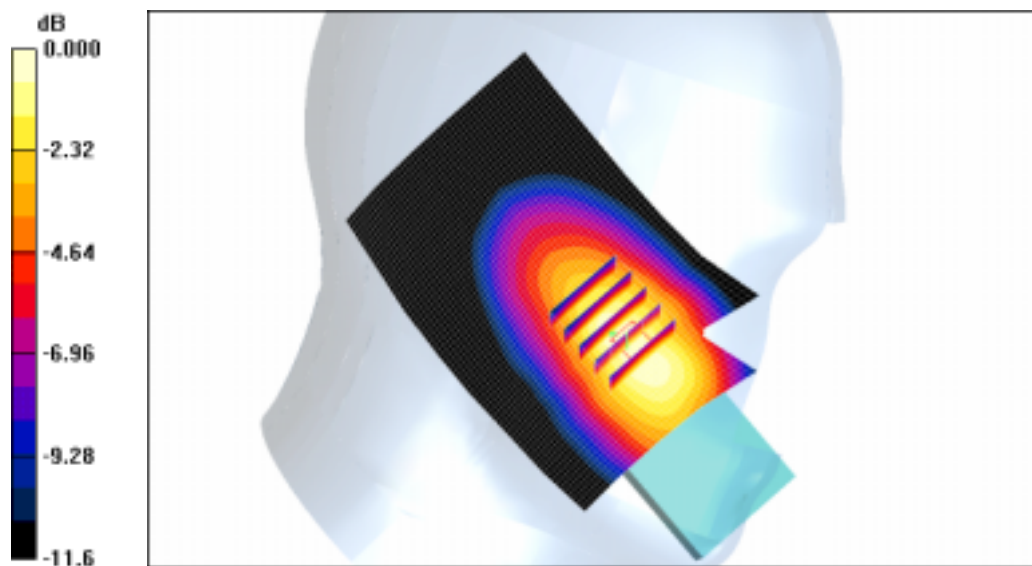
Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 10.0 V/m; Power Drift = -0.112 dB

Peak SAR (extrapolated) = 1.28 W/kg

SAR(1 g) = 0.902 mW/g

Maximum value of SAR (measured) = 0.949 mW/g



0 dB = 0.949mW/g

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DUT: SCH-W531; Serial: FD-191-C

Program Name: SCH-W531 CDMA Left (Job No. : FD-191)

Procedure Name: Ear/Tilt, Ch.0384, Intenna, Bat. Standard

Meas. Ambient Temp(celsius)-22.3, Tissue Temp(celsius)-21.9 ;Test Date-12/Oct/2006

Communication System: CDMA; Frequency: 836.52 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 836.52 \text{ MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 40.3$; $\rho = 1000 \text{ kg/m}^3$;

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3085; ConvF(5.73, 5.73, 5.73); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Ear/Tilt, Ch.0384, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid:
 $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.278 mW/g

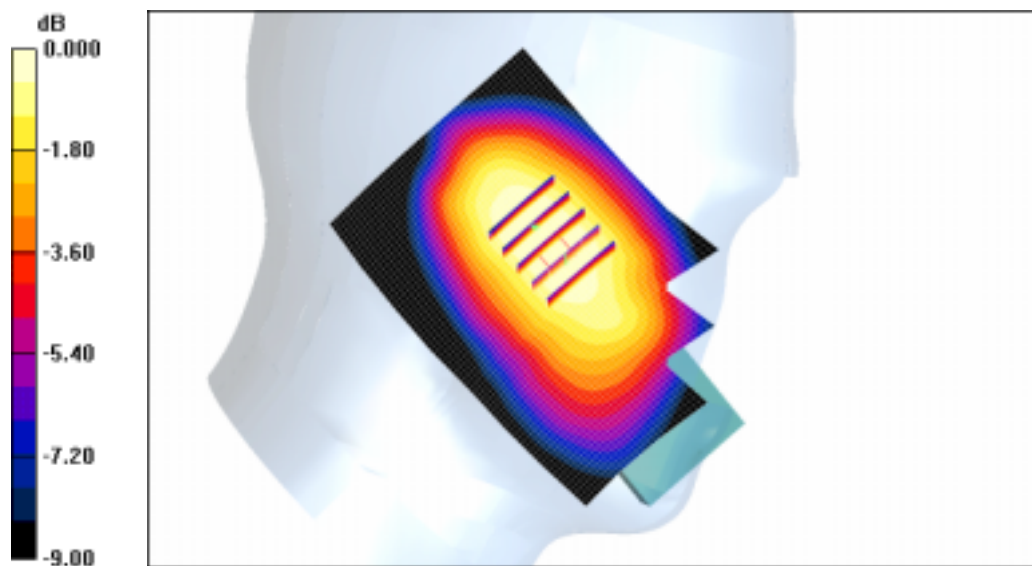
Ear/Tilt, Ch.0384, Intenna, Bat. Standard/Zoom Scan 2 (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 17.2 V/m; Power Drift = 0.088 dB

Peak SAR (extrapolated) = 0.318 W/kg

SAR(1 g) = 0.249 mW/g

Maximum value of SAR (measured) = 0.264 mW/g



0 dB = 0.264mW/g

SAMSUNG FCC ID : A3LSCHW531 CDMA Body SAR

DUT: SCH-W531(Body); Serial: FD-191-C

Program Name: SCH-W531 CDMA Body (Job No. : FD-191)

Procedure Name: Body, Ch. 1013, Ant. Intenna, Bat. Standard

Meas. Ambient Temp(celsius)-22.2, Tissue Temp(celsius)-21.8; Test Date-12/Oct/2006

Communication System: CDMA; Frequency: 824.7 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 824.7 \text{ MHz}$; $\sigma = 0.99 \text{ mho/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3085; ConvF(5.91, 5.91, 5.91); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body, Ch. 1013, Ant. Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid:
 $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.354 mW/g

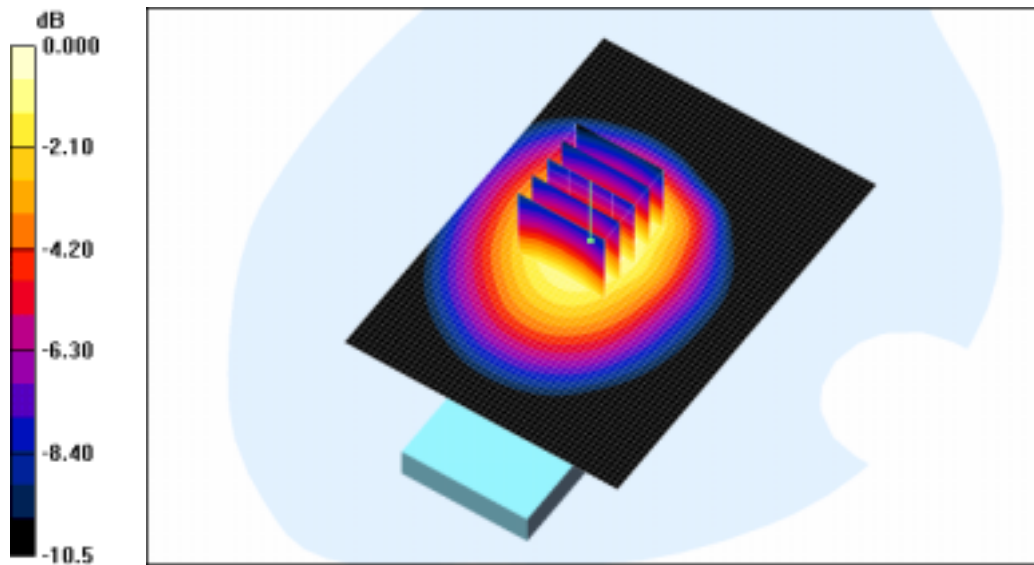
Body, Ch. 1013, Ant. Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement
grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 17.2 V/m; Power Drift = 0.077 dB

Peak SAR (extrapolated) = 0.453 W/kg

SAR(1 g) = 0.325 mW/g

Maximum value of SAR (measured) = 0.344 mW/g



0 dB = 0.344mW/g

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Procedure Name: Cheek/Touch, Ch.0384, Intenna, Bat. Standard With BT ON

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Communication System: CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 836.52$ MHz; $\sigma = 0.89$ mho/m; $\epsilon_r = 40.3$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3085; ConvF(5.73, 5.73, 5.73); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Cheek/Touch, Ch.0384, Intenna, Bat. Standard With BT ON/Area Scan (51x71x1):

Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.928 mW/g

Cheek/Touch, Ch.0384, Intenna, Bat. Standard With BT ON/Zoom Scan (5x5x7)/Cube 0:

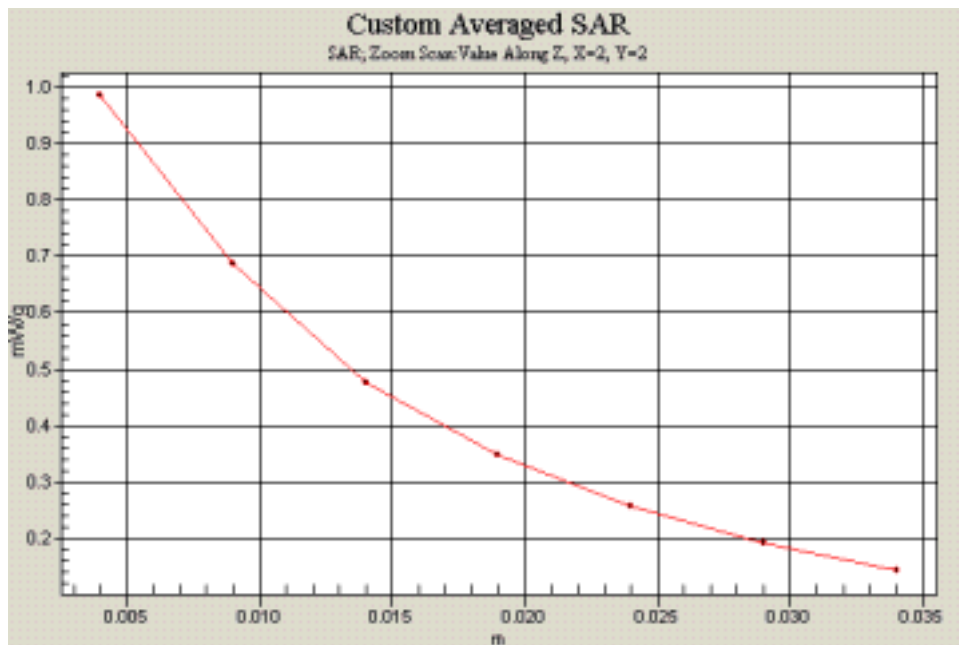
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.2 V/m; Power Drift = -0.157 dB

Peak SAR (extrapolated) = 1.32 W/kg

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Maximum value of SAR (measured) = 0.984 mW/g



SAMSUNG FCC ID : A3LSCHW531 CDMA Body SAR

DUT: SCH-W531(Body); Serial: FD-191-C

Program Name: SCH-W531 CDMA Body (Job No. : FD-191)

Procedure Name: Body, Ch. 1013, Ant. Intenna, Bat. Standard

Meas. Ambient Temp(celsius)-22.2, Tissue Temp(celsius)-21.8; Test Date-12/Oct/2006

Communication System: CDMA; Frequency: 824.7 MHz; Duty Cycle: 1:1

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Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3085; ConvF(5.91, 5.91, 5.91); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body, Ch. 1013, Ant. Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid:
dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.354 mW/g

Body, Ch. 1013, Ant. Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement
grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.2 V/m; Power Drift = 0.077 dB

Peak SAR (extrapolated) = 0.453 W/kg

SAR(1 g) = 0.325 mW/g

Maximum value of SAR (measured) = 0.344 mW/g

