

SAMSUNG FCC ID : A3LSCHN356 -- 835MHz CDMA Head SAR

DUT: SCH-N356; Serial: FB-042-A

Program Name: SCH-N356 CDMA Right (Job No.: FB-042)

Procedure Name: Cheek/Touch, Ch.0777, Ant.Intenna, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.7;Test Date-13/July/2004[OET Bulletin 65-Supplement C, July 2001]

Communication System: CDMA; Frequency: 848.31 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 848.31 \text{ MHz}$; $\sigma = 0.88 \text{ mho/m}$; $\epsilon_r = 41.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(6.54, 6.54, 6.54); Calibrated: 2004-04-27
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn533; Calibrated: 2003-12-16
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Cheek/Touch, Ch.0777, Ant.Intenna, Bat.Standard/Area Scan (51x71x1):

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

Reference Value = 31.5 V/m ; Power Drift = -0.0 dB

Maximum value of SAR (interpolated) = 1.53 mW/g

Cheek/Touch, Ch.0777, Ant.Intenna, Bat.Standard/Zoom Scan

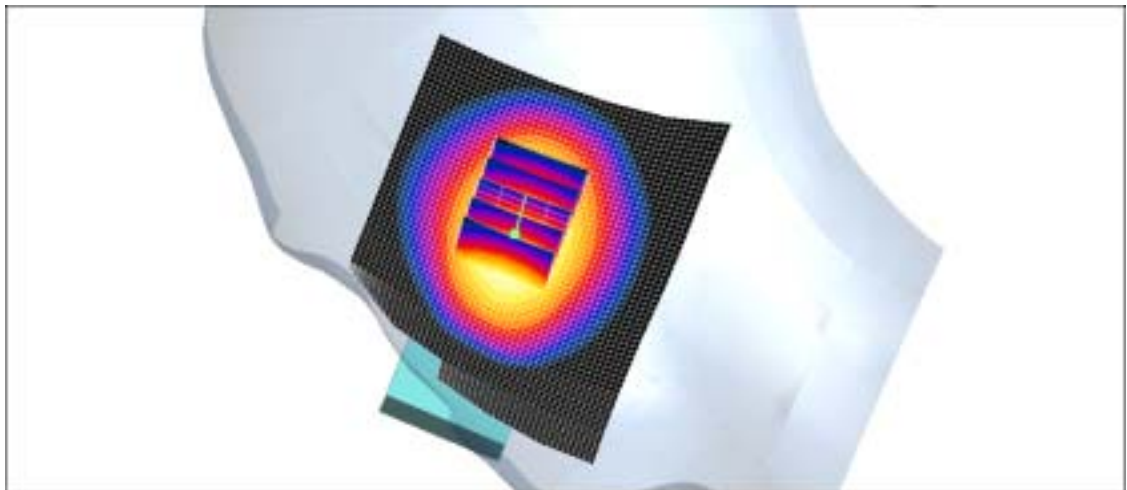
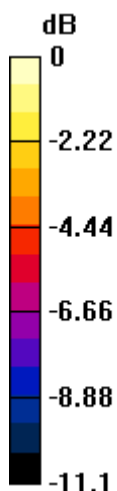
(5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 31.5 V/m ; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 1.39 mW/g

Peak SAR (extrapolated) = 1.77 W/kg

SAR(1 g) = 1.31 mW/g



0 dB = 1.39mW/g

SAMSUNG FCC ID : A3LSCHN356 -- 835MHz CDMA Head SAR

DUT: SCH-N356; Serial: FB-042-A

Program Name: SCH-N356 CDMA Right (Job No.: FB-042)

Procedure Name: Tilt, Ch.0363, Ant.Intenna, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.7;Test Date-13/July/2004[OET Bulletin 65-Supplement C, July 2001]

Communication System: CDMA; Frequency: 835.89 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 835.89 \text{ MHz}$; $\sigma = 0.88 \text{ mho/m}$; $\epsilon_r = 41.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(6.54, 6.54, 6.54); Calibrated: 2004-04-27
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn533; Calibrated: 2003-12-16
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Tilt, Ch.0363, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Reference Value = 24.4 V/m ; Power Drift = -0.1 dB

Maximum value of SAR (interpolated) = 0.622 mW/g

Tilt, Ch.0363, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

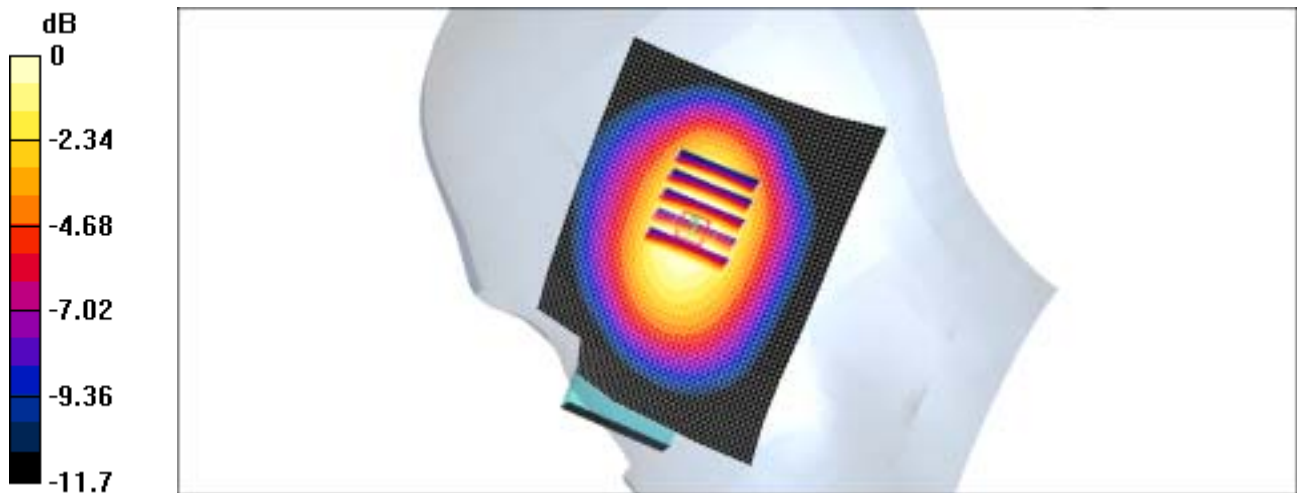
Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 24.4 V/m ; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.583 mW/g

Peak SAR (extrapolated) = 0.752 W/kg

SAR(1 g) = 0.546 mW/g



0 dB = 0.583 mW/g

SAMSUNG FCC ID : A3LSCHN356 -- 835MHz CDMA Head SAR

DUT: SCH-N356; Serial: FB-042-A

Program Name: SCH-N356 CDMA Left (Job No.: FB-042)

Procedure Name: Cheek/Touch, Ch.0777, Ant.Intenna, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.7;Test Date-13/July/2004[OET Bulletin 65-Supplement C, July 2001]

Communication System: CDMA; Frequency: 848.31 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 848.31 \text{ MHz}$; $\sigma = 0.88 \text{ mho/m}$; $\epsilon_r = 41.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(6.54, 6.54, 6.54); Calibrated: 2004-04-27
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn533; Calibrated: 2003-12-16
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Cheek/Touch, Ch.0777, Ant.Intenna, Bat.Standard/Area Scan

(51x71x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Reference Value = 30.4 V/m ; Power Drift = -0.2 dB

Maximum value of SAR (interpolated) = 1.63 mW/g

Cheek/Touch, Ch.0777, Ant.Intenna, Bat.Standard/Zoom Scan

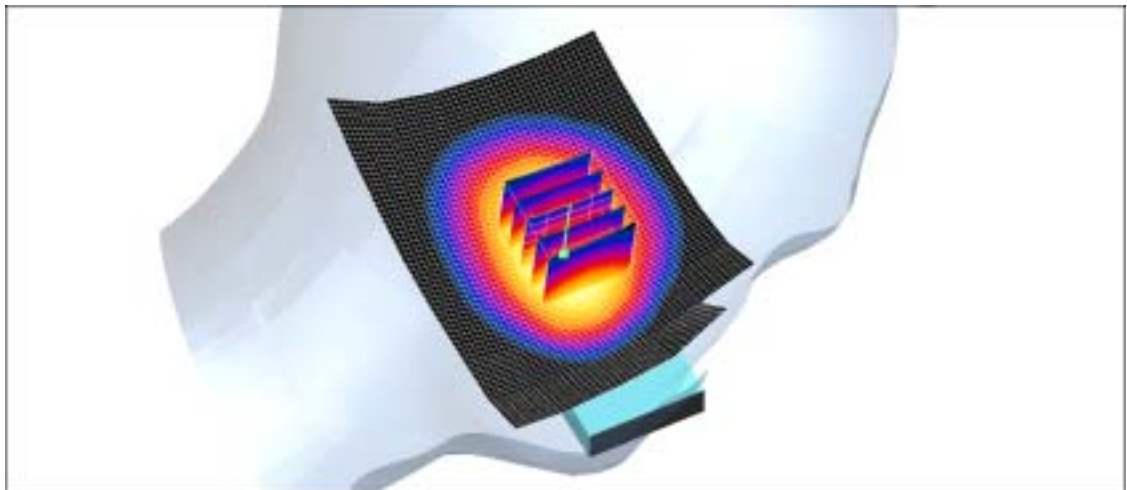
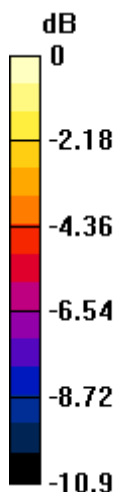
(5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 30.4 V/m ; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 1.46 mW/g

Peak SAR (extrapolated) = 1.87 W/kg

SAR(1 g) = 1.39 mW/g



0 dB = 1.46mW/g

SAMSUNG FCC ID : A3LSCHN356 -- 835MHz CDMA Head SAR

DUT: SCH-N356; Serial: FB-042-A

Program Name: SCH-N356 CDMA Left (Job No.: FB-042)

Procedure Name: Tilt, Ch.0363, Ant.Intenna, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.7;Test Date-13/July/2004[OET Bulletin 65-Supplement C, July 2001]

Communication System: CDMA; Frequency: 835.89 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 835.89$ MHz; $\sigma = 0.88$ mho/m; $\epsilon_r = 41.3$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(6.54, 6.54, 6.54); Calibrated: 2004-04-27
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn533; Calibrated: 2003-12-16
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Tilt, Ch.0363, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Reference Value = 23 V/m; Power Drift = -0.1 dB

Maximum value of SAR (interpolated) = 0.597 mW/g

Tilt, Ch.0363, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

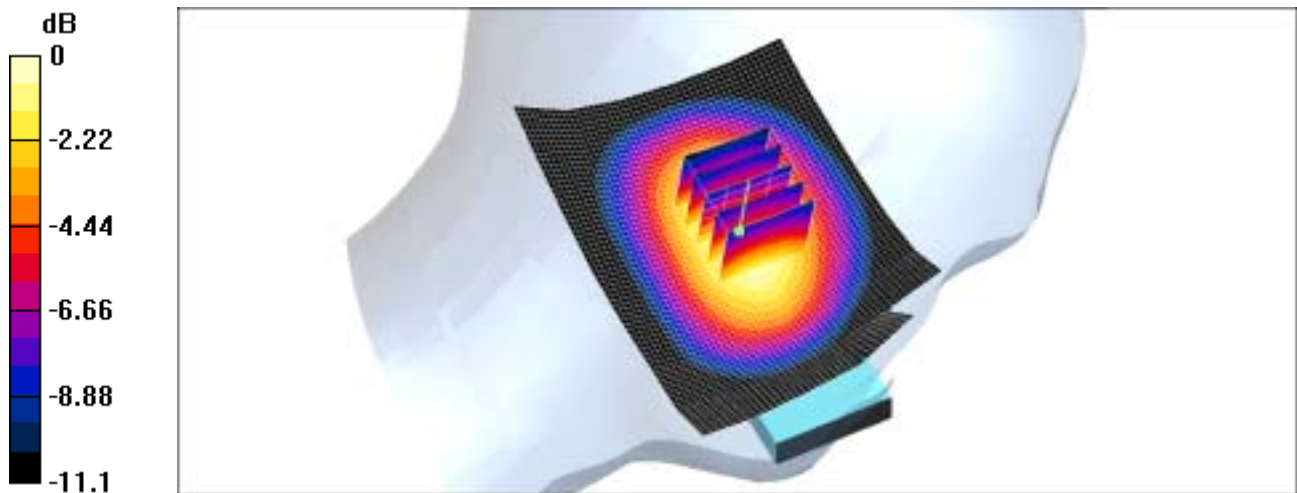
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.574 mW/g

Peak SAR (extrapolated) = 0.751 W/kg

SAR(1 g) = 0.539 mW/g



0 dB = 0.574mW/g

SAMSUNG FCC ID : A3LSCHN356 -- 835MHz CDMA Body SAR

DUT: SCH-N356(Body); Serial: FB-042-A

Program Name: SCH-N356 CDMA Body (Job No.: FB-042)

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

Procedure Notes: Meas. Tissue Temp(celsius)- 21.4; Test Date-13/July/2004 [OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $f = 824.7 \text{ MHz}$; $\sigma = 0.95 \text{ mho/m}$; $\epsilon_r = 53.6$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(6.34, 6.34, 6.34); Calibrated: 2004-04-27
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn533; Calibrated: 2003-12-16
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Body, Ch.1013, Ant.Intenna, Bat.Standard/Area Scan (51x71x1):

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

Reference Value = 16.4 V/m ; Power Drift = 0.1 dB

Maximum value of SAR (interpolated) = 1.12 mW/g

Body, Ch.1013, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

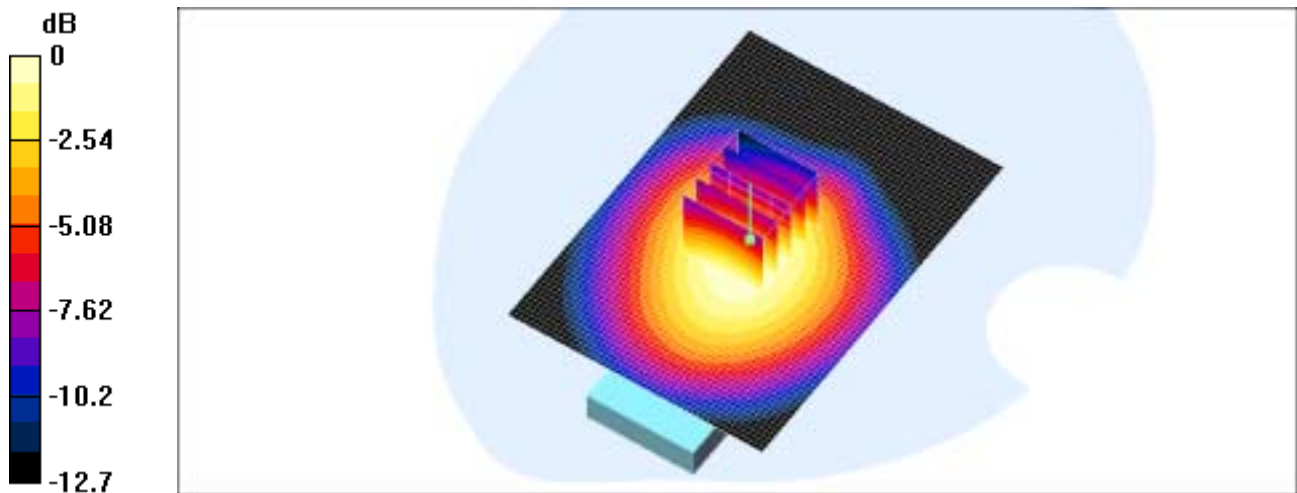
Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 16.4 V/m ; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 1.04 mW/g

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.978 mW/g



0 dB = 1.04 mW/g

SAMSUNG FCC ID : A3LSCHN356 -- 835MHz CDMA Head SAR

DUT: SCH-N356; Serial: FB-042-A

Program Name: SCH-N356 CDMA Left (Job No.: FB-042)

Procedure Name: Cheek/Touch, Ch.0777, Ant.Intenna, Bat.Standard 2

Procedure Notes: Meas.Tissue Temp(celsius)-21.7;Test Date-13/July/2004[OET Bulletin 65-Supplement C, July 2001]

Communication System: CDMA; Frequency: 848.31 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 848.31$ MHz; $\sigma = 0.88$ mho/m; $\epsilon_r = 41.3$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(6.54, 6.54, 6.54); Calibrated: 2004-04-27
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn533; Calibrated: 2003-12-16
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Cheek/Touch, Ch.0777, Ant.Intenna, Bat.Standard 2/Area Scan

(51x71x1): Measurement grid: dx=20mm, dy=20mm

Reference Value = 30.4 V/m; Power Drift = -0.2 dB

Maximum value of SAR (interpolated) = 1.64 mW/g

Cheek/Touch, Ch.0777, Ant.Intenna, Bat.Standard 2/Zoom Scan

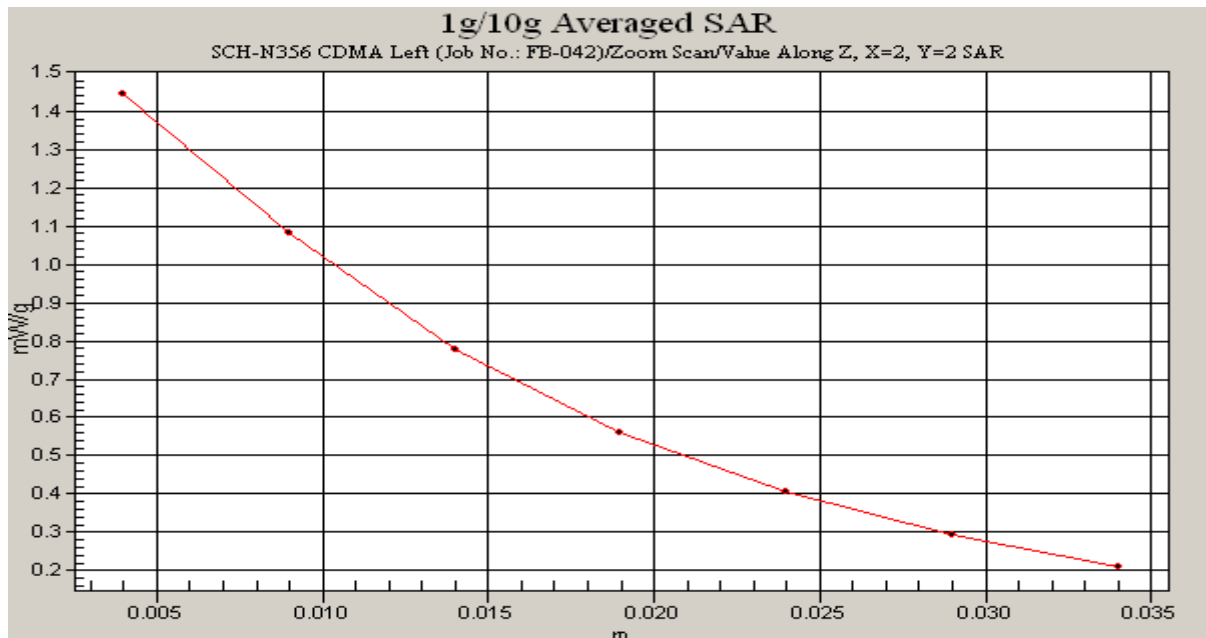
(5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.4 V/m; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 1.46 mW/g

Peak SAR (extrapolated) = 1.87 W/kg

SAR(1 g) = 1.39 mW/g



SAMSUNG FCC ID : A3LSCHN356 -- 835MHz CDMA Body SAR

DUT: SCH-N356(Body); Serial: FB-042-A

Program Name: SCH-N356 CDMA Body (Job No.: FB-042)

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

Procedure Notes: Meas. Tissue Temp(celsius)- 21.4; Test Date-13/July/2004 [OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $f = 824.7 \text{ MHz}$; $\sigma = 0.95 \text{ mho/m}$; $\epsilon_r = 53.6$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(6.34, 6.34, 6.34); Calibrated: 2004-04-27
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn533; Calibrated: 2003-12-16
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Body, Ch.1013, Ant.Intenna, Bat.Standard/Area Scan (51x71x1):

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

Reference Value = 16.4 V/m ; Power Drift = 0.1 dB

Maximum value of SAR (interpolated) = 1.12 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 = 16.4 V/m ; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 1.04 mW/g

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.978 mW/g

