

SAMSUNG FCC ID : A3LSCHN510 835MHz CDMA Head SAR

DUT: SCH-N510; Serial: FC-130-B

Program Name: SCH-N510 CDMA Right (Job No. : FC-130)

Procedure Name: Cheek/Touch, Ch.0363, Intenna, Bat. Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.4; Test Date-23/Sep/2005[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; $\sigma = 0.89$ mho/m; $\epsilon_r = 41.1$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3080; ConvF(5.75, 5.75, 5.75); Calibrated: 2005-05-26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2005-08-30
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

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

Reference Value = 28.5 V/m; Power Drift = -0.190 dB

Peak SAR (extrapolated) = 1.62 W/kg

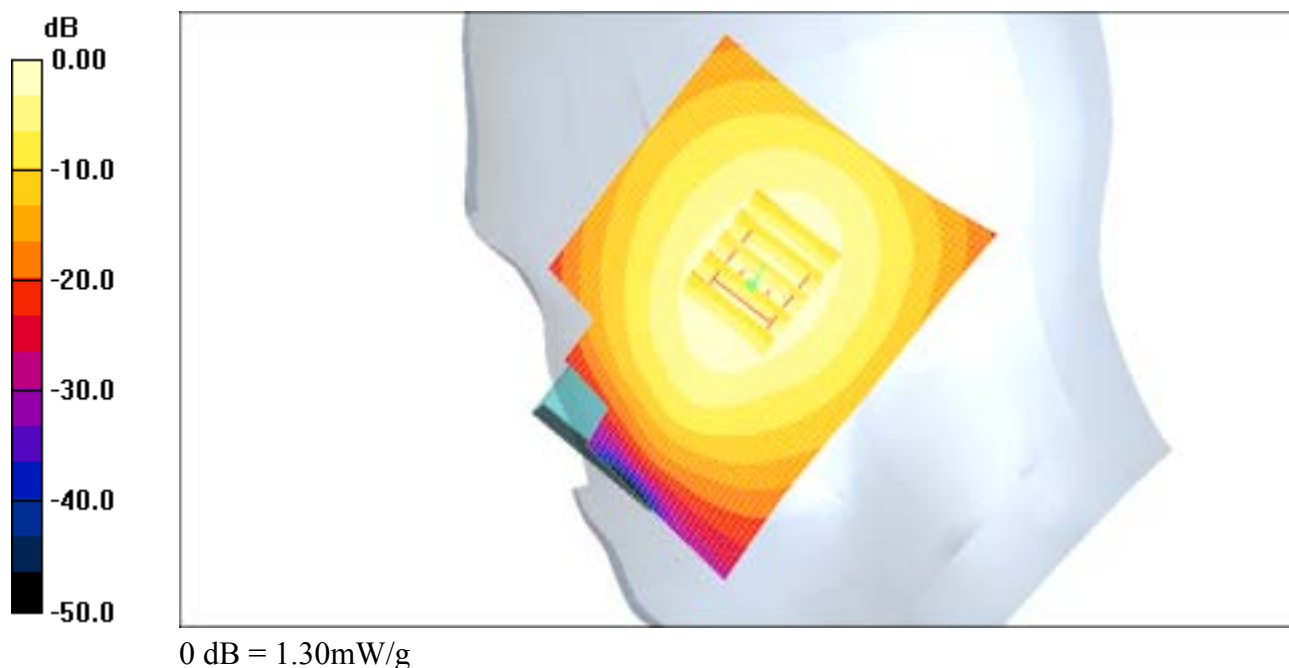
SAR(1 g) = 1.18 mW/g

Maximum value of SAR (measured) = 1.26 mW/g

Cheek/Touch, Ch.0363, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement

grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.30 mW/g



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Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3080; ConvF(5.75, 5.75, 5.75); Calibrated: 2005-05-26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2005-08-30
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

Maximum value of SAR (interpolated) = 0.763 mW/g

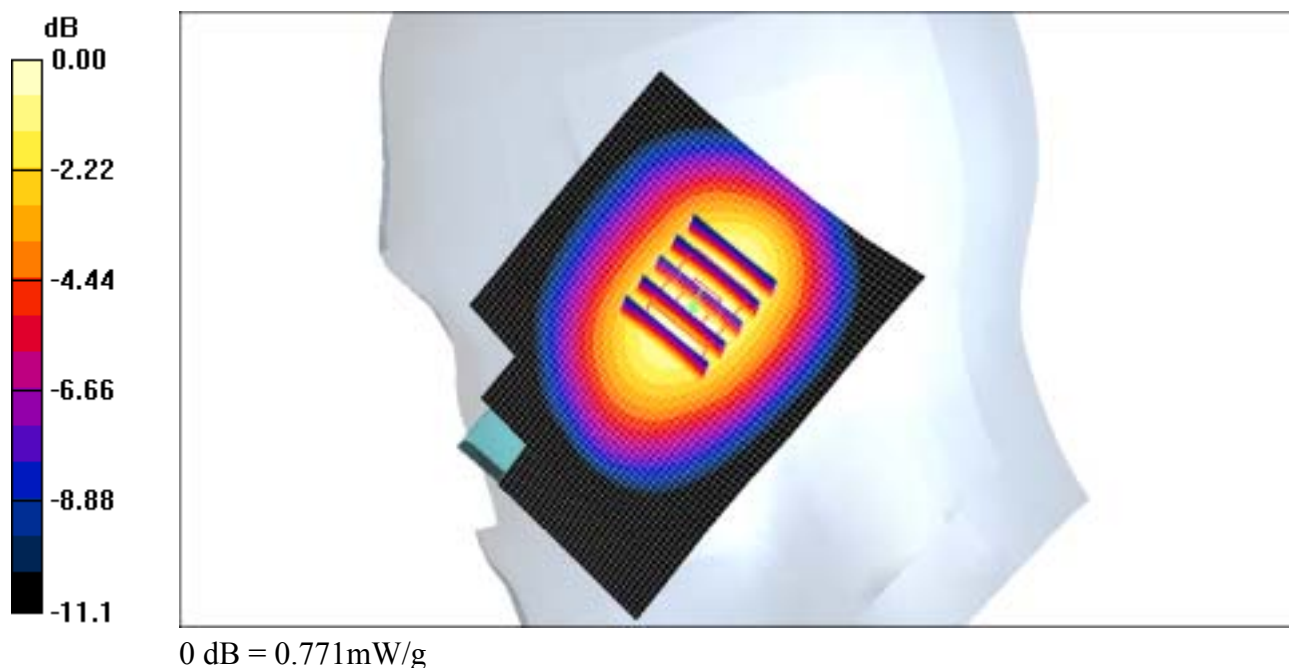
Ear/Tilt, Ch.0363, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.3 V/m; Power Drift = -0.068 dB

Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.716 mW/g

Maximum value of SAR (measured) = 0.771 mW/g



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Medium parameters used: $f = 835.89$ MHz; $\sigma = 0.89$ mho/m; $\epsilon_r = 41.1$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3080; ConvF(5.75, 5.75, 5.75); Calibrated: 2005-05-26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2005-08-30
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Cheek/Touch, Ch.0363, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0:

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

Reference Value = 31.5 V/m; Power Drift = -0.145 dB

Peak SAR (extrapolated) = 1.55 W/kg

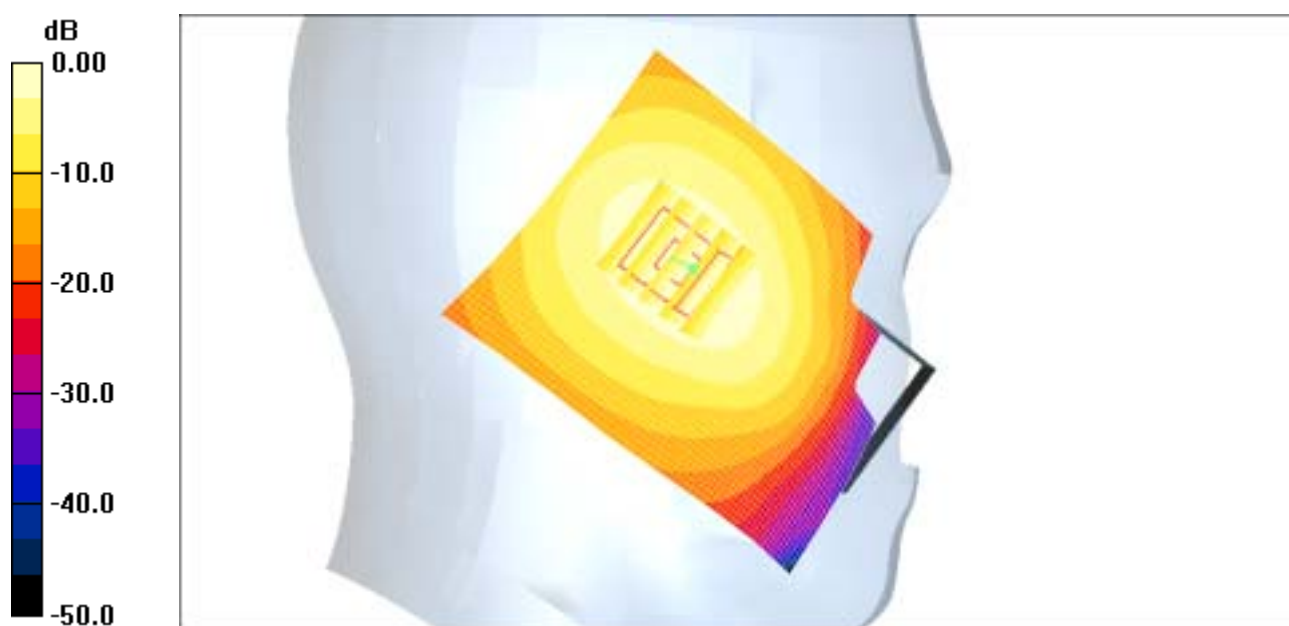
SAR(1 g) = 1.14 mW/g

Maximum value of SAR (measured) = 1.21 mW/g

Cheek/Touch, Ch.0363, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement

grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.32 mW/g



0 dB = 1.32mW/g

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Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3080; ConvF(5.75, 5.75, 5.75); Calibrated: 2005-05-26
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- Electronics: DAE3 Sn486; Calibrated: 2005-08-30
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Ear/Tilt, Ch.0363, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid:
dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.591 mW/g

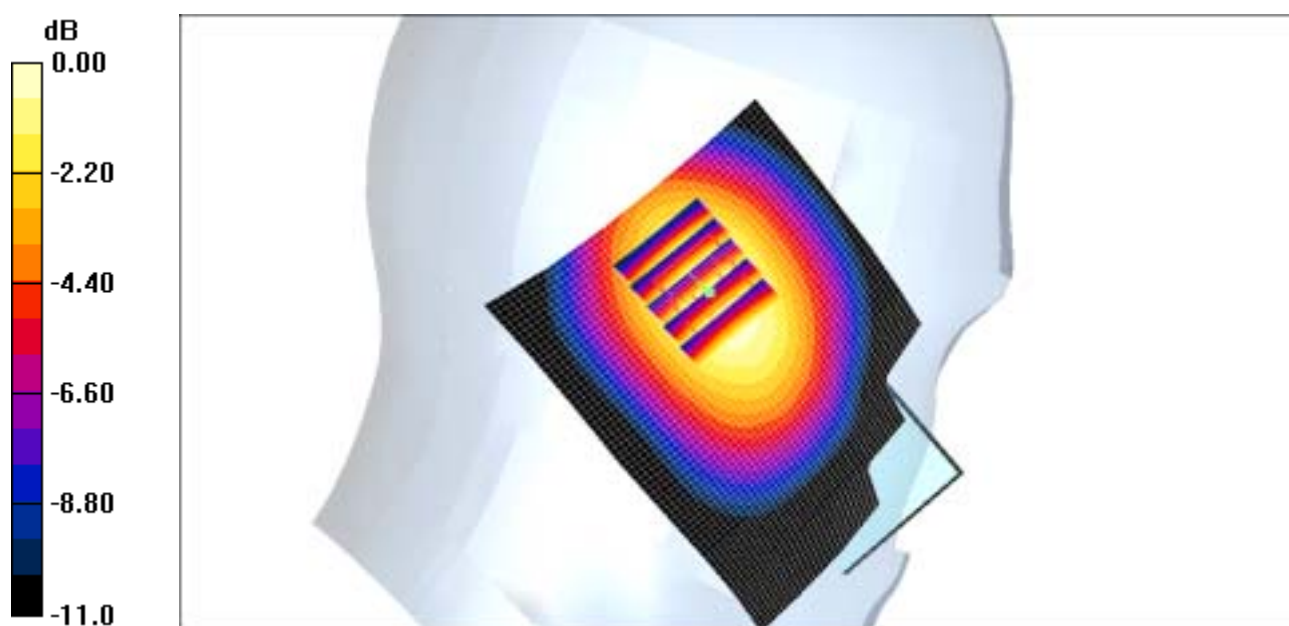
Ear/Tilt, Ch.0363, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.1 V/m; Power Drift = -0.039 dB

Peak SAR (extrapolated) = 0.743 W/kg

SAR(1 g) = 0.534 mW/g

Maximum value of SAR (measured) = 0.564 mW/g



0 dB = 0.564mW/g

SAMSUNG FCC ID : A3LSCHN510 835MHz CDMA Body SAR

DUT: SCH-N510; Serial: FC-130-B

Program Name: SCH-N510 CDMA Body (Job No. : FC-130)

Procedure Name: Body, Ch. 0363, Ant. Intenna, Bat. Standard 2

Procedure Notes: Meas.Tissue Temp(celsius)-21.4;Test Date-23/Sep/2005[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; $\sigma = 0.95$ mho/m; $\epsilon_r = 54$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3080; ConvF(5.82, 5.82, 5.82); Calibrated: 2005-05-26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2005-08-30
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Body, Ch. 0363, Ant. Intenna, Bat. Standard 2/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.48 mW/g

Body, Ch. 0363, Ant. Intenna, Bat. Standard 2/Zoom Scan (5x5x7)/Cube 0:

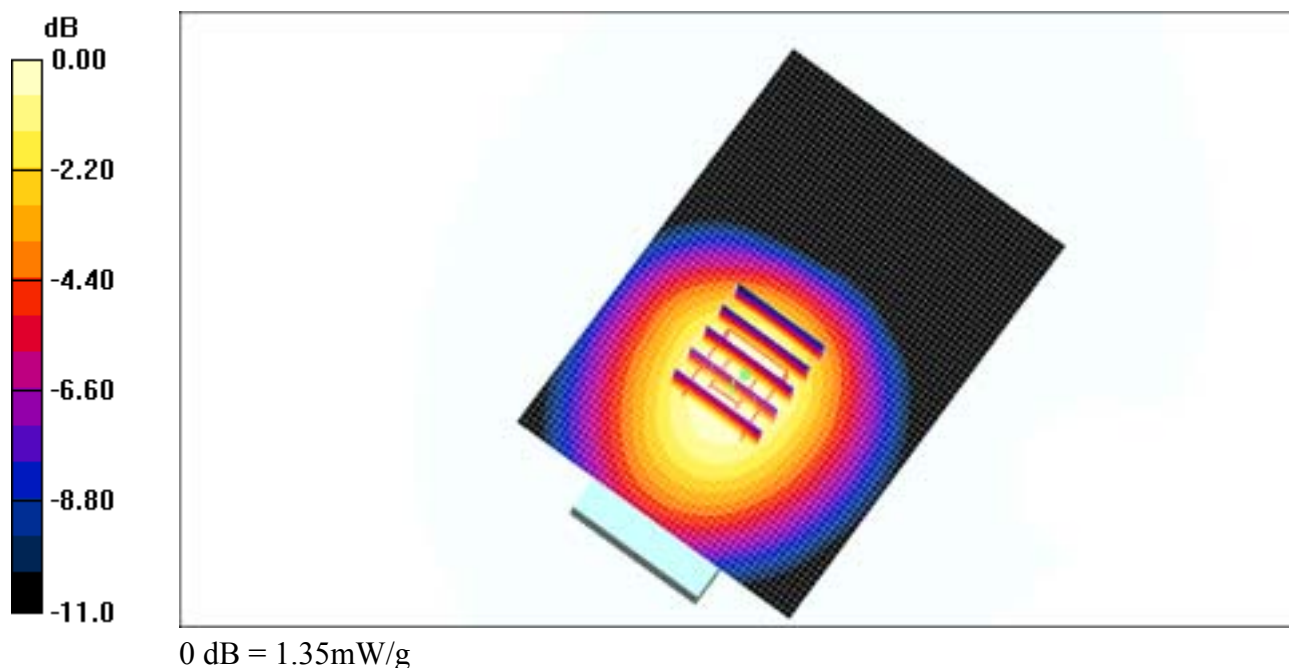
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.2 V/m; Power Drift = -0.192 dB

Peak SAR (extrapolated) = 1.70 W/kg

SAR(1 g) = 1.28 mW/g

Maximum value of SAR (measured) = 1.35 mW/g



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

Maximum value of SAR (interpolated) = 1.30 mW/g

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

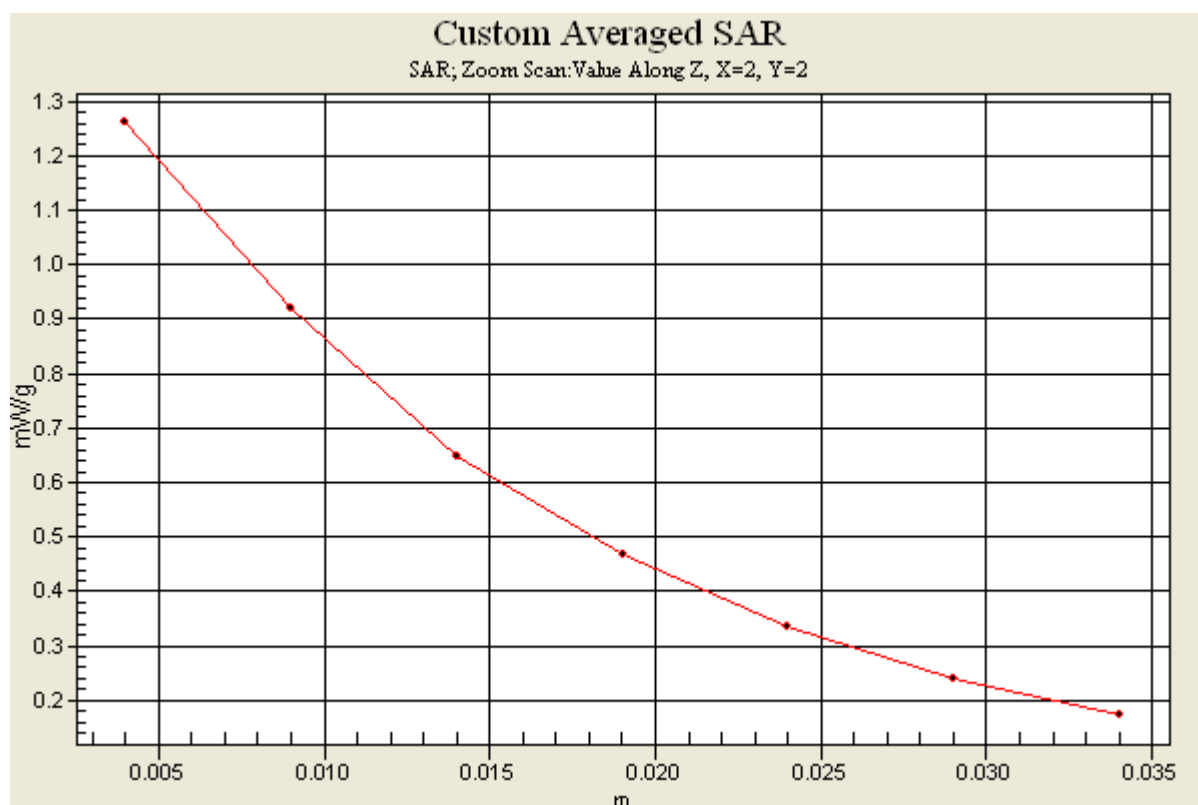
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