

SAMSUNG FCC ID : A3LSGHI610 1900MHz GSM1900 Head SAR

DUT: SGH-I610; Serial: FD-112-C

Program Name: SGH-I610 GSM1900 Right (Job No. : FD-112)

Procedure Name: Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard

Procedure Notes: Meas. Ambient Temp(celsius)-22.6, Tissue Temp(celsius)-21.7; Test Date-28/Jun/2006 [OET Bulletin 65-Supplement C, July 2001]

Communication System: GSM 1900; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3

Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 39.2$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(5.02, 5.02, 5.02); Calibrated: 2005-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2006-01-27
- 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.810, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.398 mW/g

Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

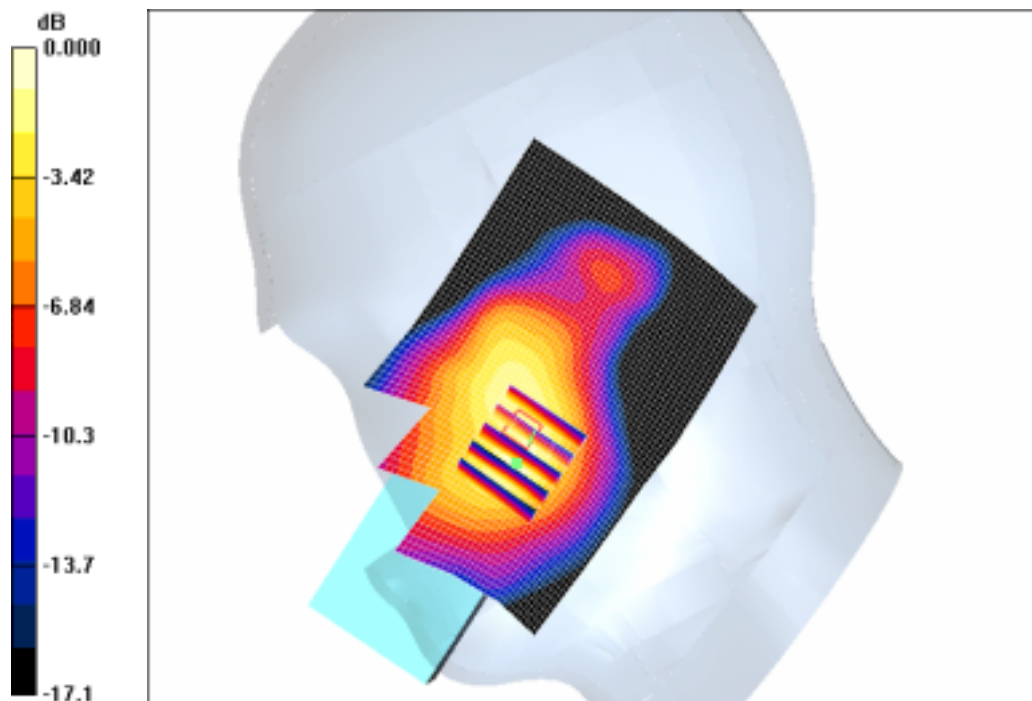
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.4 V/m; Power Drift = -0.061 dB

Peak SAR (extrapolated) = 0.644 W/kg

SAR(1 g) = 0.395 mW/g

Maximum value of SAR (measured) = 0.436 mW/g



0 dB = 0.436mW/g

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Program Name: SGH-I610 GSM1900 Right (Job No. : FD-112)

Procedure Name: Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard

Procedure Notes: Meas. Ambient Temp(celsius)-22.6, Tissue Temp(celsius)-21.7; Test Date-28/Jun/2006 [OET Bulletin 65-Supplement C, July 2001]

Communication System: GSM 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 39.2$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(5.02, 5.02, 5.02); Calibrated: 2005-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2006-01-27
- 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.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid:

$dx=20$ mm, $dy=20$ mm

Maximum value of SAR (interpolated) = 0.215 mW/g

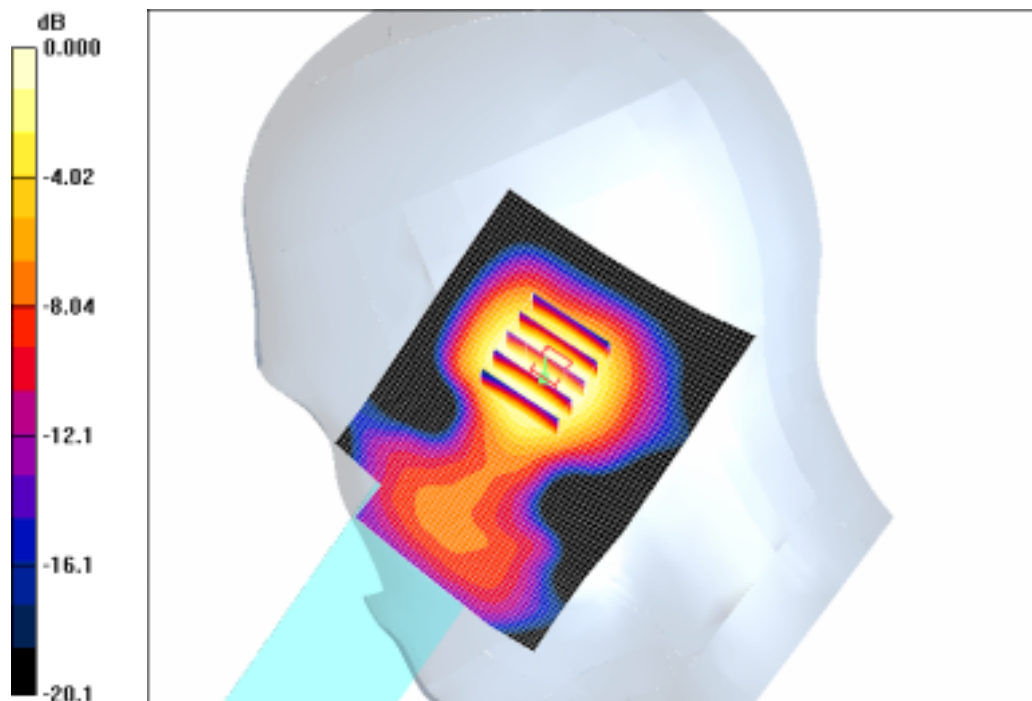
Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 3.51 V/m; Power Drift = -0.018 dB

Peak SAR (extrapolated) = 0.202 W/kg

SAR(1 g) = 0.137 mW/g

Maximum value of SAR (measured) = 0.147 mW/g



0 dB = 0.147mW/g

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Program Name: SGH-I610 GSM1900 Left (Job No. : FD-112)

Procedure Name: Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard

Procedure Notes: Meas. Ambient Temp(celsius)-22.6, Tissue Temp(celsius)-21.7 Test Date-28/Jun/2006 [OET Bulletin 65-Supplement C, July 2001]

Communication System: GSM 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 39.2$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(5.02, 5.02, 5.02); Calibrated: 2005-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2006-01-27
- 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.810, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

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

Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

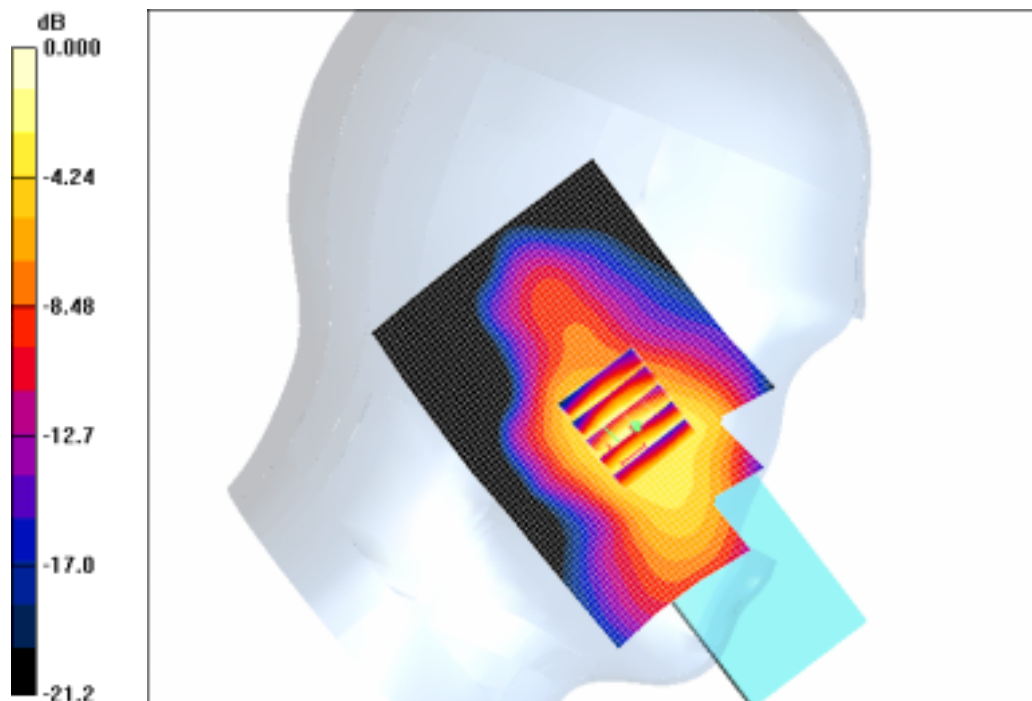
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.39 V/m; Power Drift = -0.140 dB

Peak SAR (extrapolated) = 0.948 W/kg

SAR(1 g) = 0.604 mW/g

Maximum value of SAR (measured) = 0.657 mW/g



0 dB = 0.657mW/g

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Program Name: SGH-I610 GSM1900 Left (Job No. : FD-112)

Procedure Name: Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard

Procedure Notes: Meas. Ambient Temp(celsius)-22.6, Tissue Temp(celsius)-21.7 Test Date-28/Jun/2006 [OET Bulletin 65-Supplement C, July 2001]

Communication System: GSM 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 39.2$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(5.02, 5.02, 5.02); Calibrated: 2005-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2006-01-27
- 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.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.230 mW/g

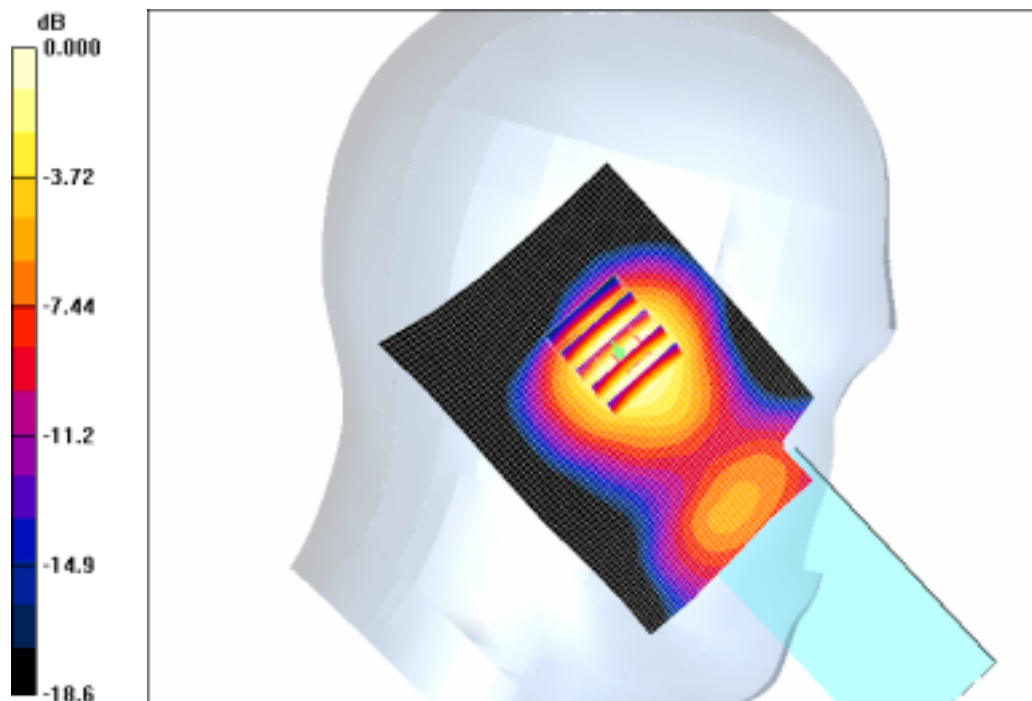
Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.95 V/m; Power Drift = 0.021 dB

Peak SAR (extrapolated) = 0.299 W/kg

SAR(1 g) = 0.190 mW/g

Maximum value of SAR (measured) = 0.201 mW/g



0 dB = 0.201mW/g

SAMSUNG FCC ID : A3LSGHI610 1900MHz GPRS1900 Body SAR

DUT: SGH-I610(BODY); Serial: FD-112-C

Program Name: SGH-I610 GPRS1900 Body (Job No. : FD-112)

Procedure Name: Body, Ch.810, Ant.Intenna, Bat.Standard

Procedure Notes: Meas. Ambient Temp(celsius)-22.6, Tissue Temp(celsius)-22.0; Test Date-28/Jun/2006 [OET Bulletin 65-Supplement C, July 2001]

Communication System: Body GPRS ; Frequency: 1909.8 MHz;Duty Cycle: 1:4.15

Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.52$ mho/m; $\epsilon_r = 51.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(4.47, 4.47, 4.47); Calibrated: 2005-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2006-01-27
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body, Ch.810, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid:

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.317 mW/g

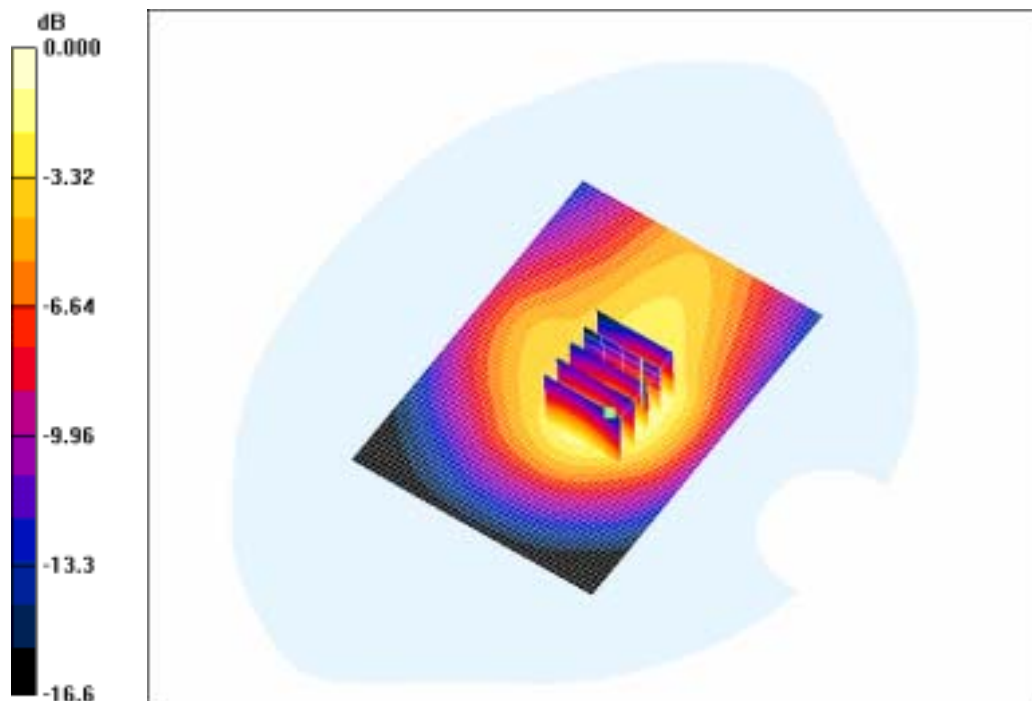
Body, Ch.810, Ant.Intenna, Bat.Standard/Zoom Scan 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.13 V/m; Power Drift = -0.098 dB

Peak SAR (extrapolated) = 0.461 W/kg

SAR(1 g) = 0.299 mW/g

Maximum value of SAR (measured) = 0.320 mW/g



0 dB = 0.320mW/g

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Procedure Notes: Meas. Ambient Temp(celsius)-22.6, Tissue Temp(celsius)-21.7 Test

Date-28/Jun/2006 [OET Bulletin 65-Supplement C, July 2001]

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 39.2$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(5.02, 5.02, 5.02); Calibrated: 2005-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2006-01-27
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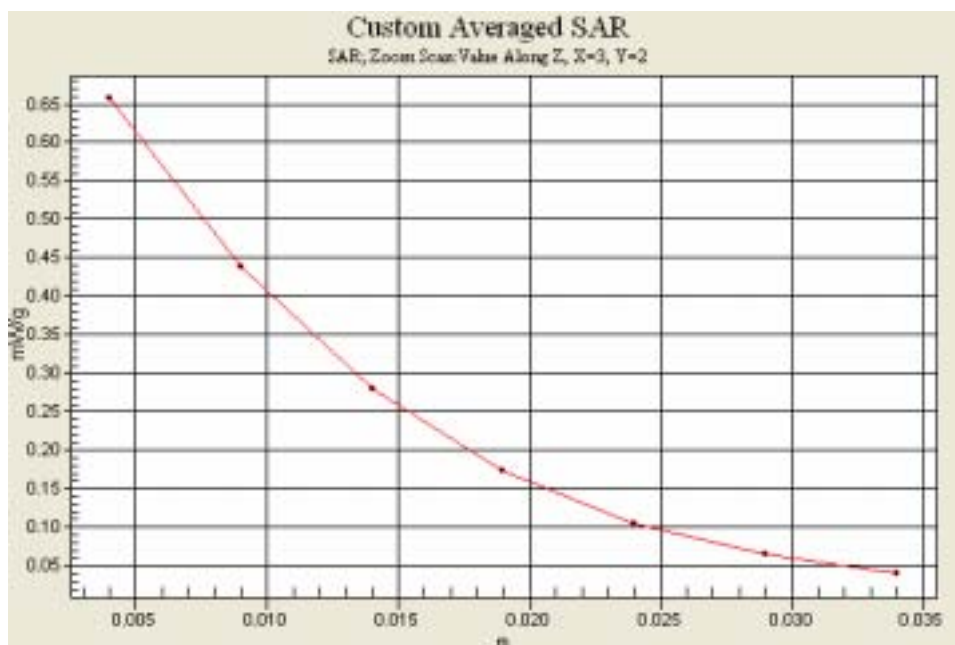
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Program Name: SGH-I610 GPRS1900 Body (Job No. : FD-112)

Procedure Name: Body, Ch.810, Ant.Intenna, Bat.Standard

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Phantom section: Flat Section

DASY4 Configuration:

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Body, Ch.810, Ant.Intenna, Bat.Standard/Zoom Scan 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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