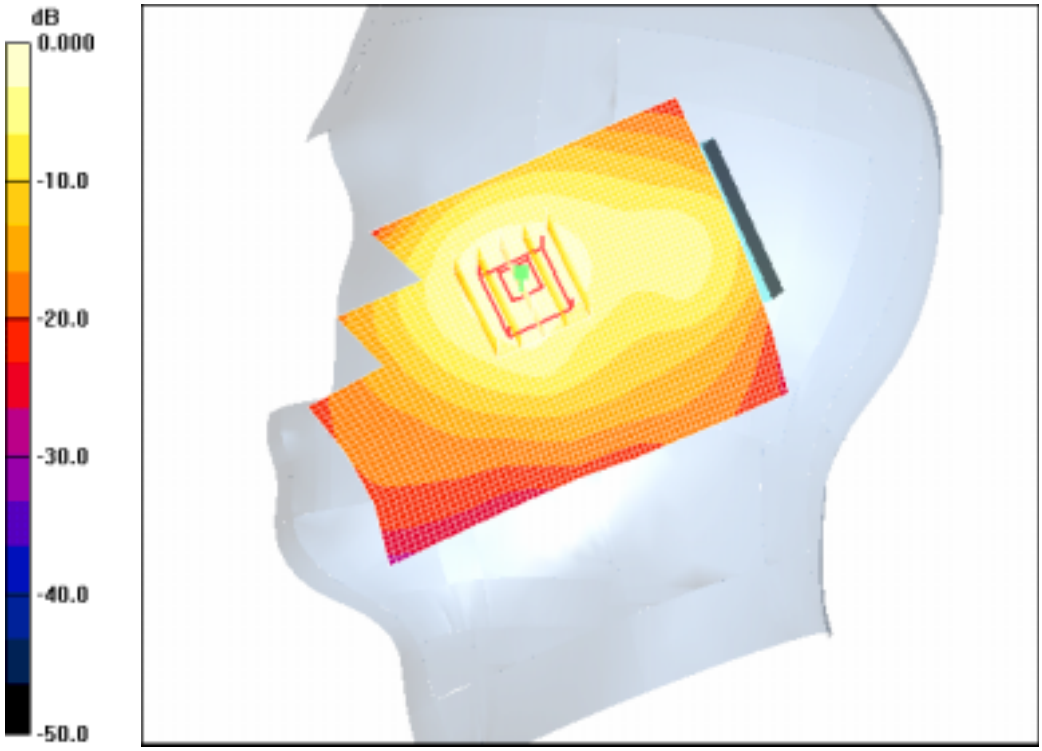
SAMSUNG FCC ID : A3LSGHZ630 1900MHz GSM1900 HEAD SAR
DUT: SGH-Z630(Down); Serial: ED-060-A
Program Name: SGH-Z630 GSM1900 Right Slide Down (Job No. : FD-173)
Procedure Name: Cheek/Touch, Ch.661, Ant.Intenna, Bat.Standard
Procedure Notes: Meas. Ambient Temp(celsius)-22.0, Tissue Temp(celsius)-21.7; Test Date-18/Sep/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; σ = 1.39 mho/m; ε_r = 39.8; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3085; ConvF(4.81, 4.81, 4.81); 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

Cheek/Touch, Ch.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.9 V/m; Power Drift = -0.052 dB
Peak SAR (extrapolated) = 0.673 W/kg
SAR(1 g) = 0.442 mW/g
Maximum value of SAR (measured) = 0.483 mW/g

Cheek/Touch, Ch.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.484 mW/g

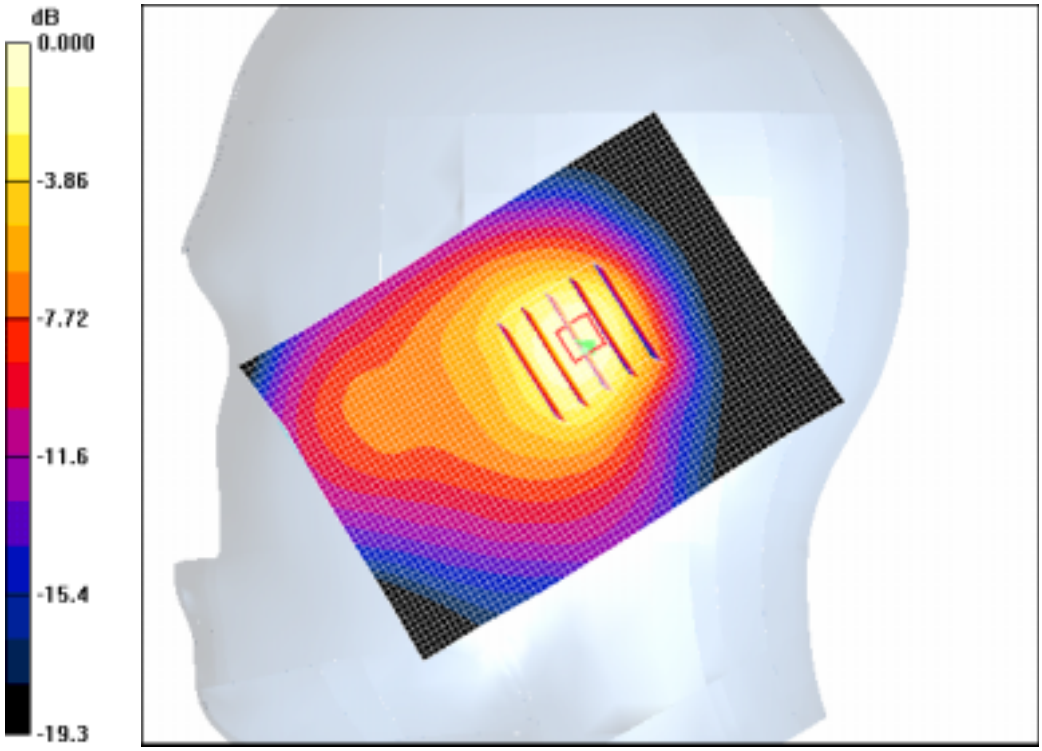


0 dB = 0.484mW/g

SAMSUNG FCC ID : A3LSGHZ630 1900MHz GSM1900 HEAD SAR
DUT: SGH-Z630(Down); Serial: ED-060-A
Program Name: SGH-Z630 GSM1900 Right Slide Down (Job No. : FD-173)
Procedure Name: Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard
Procedure Notes: Meas. Ambient Temp(celsius)-22.0, Tissue Temp(celsius)-21.7; Test Date-18/Sep/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; σ = 1.39 mho/m; ε_r = 39.8; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3085; ConvF(4.81, 4.81, 4.81); 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

Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.261 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 = 5.48 V/m; Power Drift = -0.053 dB
Peak SAR (extrapolated) = 0.344 W/kg
SAR(1 g) = 0.226 mW/g
Maximum value of SAR (measured) = 0.246 mW/g

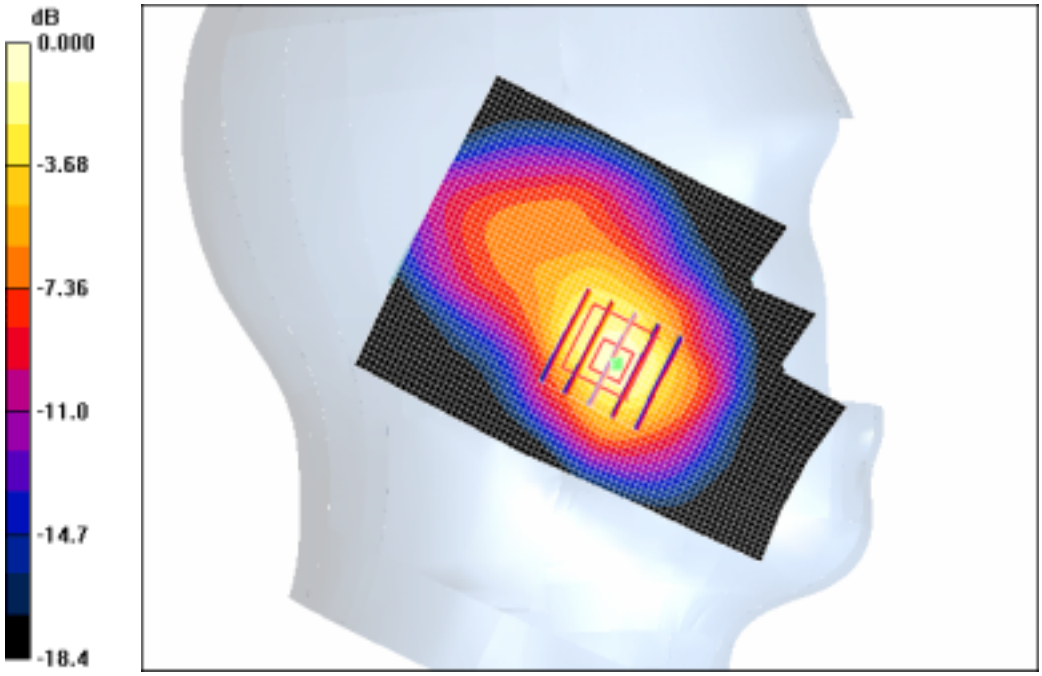


0 dB = 0.246mW/g

SAMSUNG FCC ID : A3LSGHZ630 1900MHz GSM1900 HEAD SAR
DUT: SGH-Z630(Down); Serial: FD-173-E
Program Name: SGH-Z630 GSM1900 Left Slide Down(Job No. : FD-173)
Procedure Name: Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard
Procedure Notes: Meas. Ambient Temp(celsius)-22.0, Tissue Temp(celsius)-21.7; Test Date-18/Sep/2006 [OET Bulletin 65-Supplement C, July 2001]
Communication System: GSM 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1850.2 MHz; σ = 1.39 mho/m; ε_r = 39.8; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3085; ConvF(4.81, 4.81, 4.81); 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

Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.879 mW/g

Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.8 V/m; Power Drift = -0.068 dB
Peak SAR (extrapolated) = 1.32 W/kg
SAR(1 g) = 0.808 mW/g
Maximum value of SAR (measured) = 0.905 mW/g

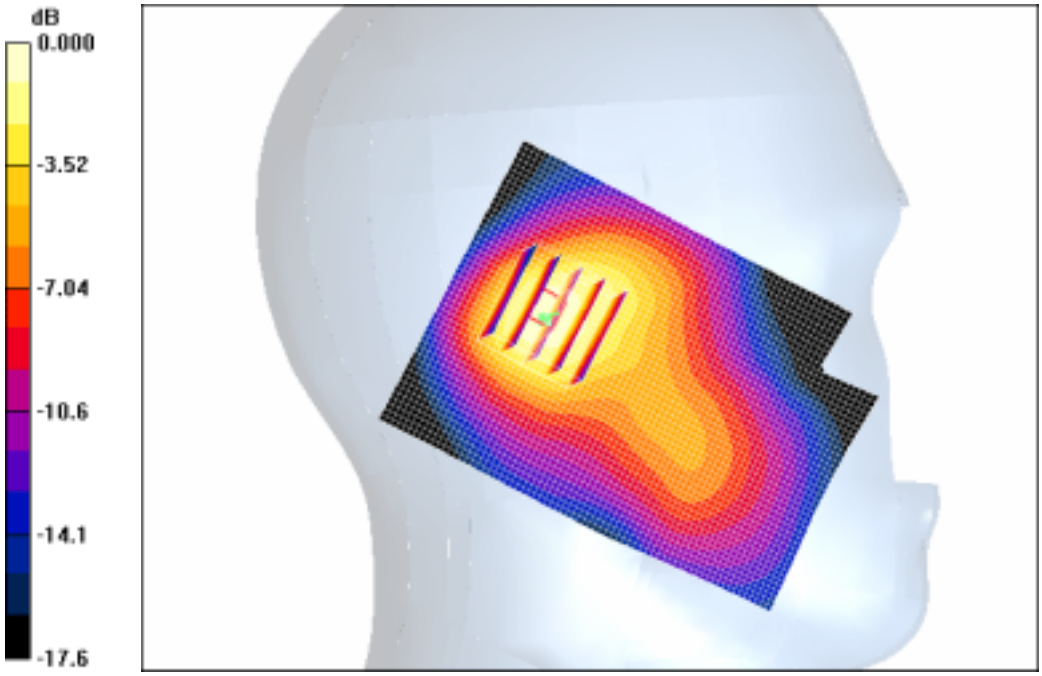


0 dB = 0.905mW/g

SAMSUNG FCC ID : A3LSGHZ630 1900MHz GSM1900 HEAD SAR
DUT: SGH-Z630(Down); Serial: FD-173-E
Program Name: SGH-Z630 GSM1900 Left Slide Down(Job No. : FD-173)
Procedure Name: Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard 3
Procedure Notes: Meas. Ambient Temp(celsius)-22.0, Tissue Temp(celsius)-21.7; Test Date-18/Sep/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; σ = 1.39 mho/m; ε_r = 39.8; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3085; ConvF(4.81, 4.81, 4.81); 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

Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard 3/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.193 mW/g

Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard 3/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.9 V/m; Power Drift = -0.095 dB
Peak SAR (extrapolated) = 0.274 W/kg
SAR(1 g) = 0.186 mW/g
Maximum value of SAR (measured) = 0.199 mW/g

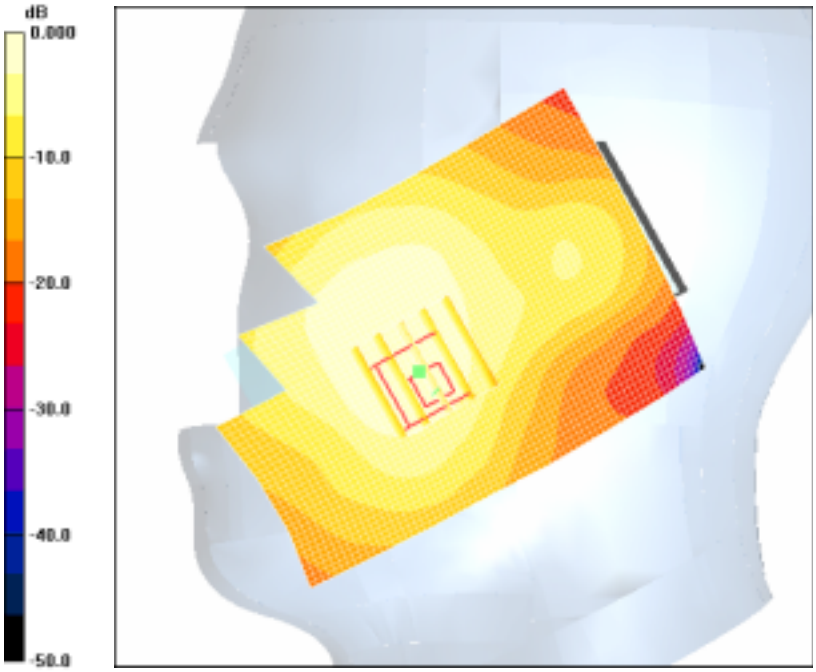


0 dB = 0.199mW/g

SAMSUNG FCC ID : A3LSGHZ630 1900MHz GSM1900 HEAD SAR
DUT: SGH-Z630(Up); Serial: FD-173-E
Program Name: SGH-Z630 GSM1900 Right Slide Up (Job No. : FD-173)
Procedure Name: Cheek/Touch, Ch.661, Ant.Intenna, Bat.Standard 2
Procedure Notes: Meas. Ambient Temp(celsius)-22.0, Tissue Temp(celsius)-21.7; Test Date-18/Sep/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; σ = 1.39 mho/m; ε_r = 39.8; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3085; ConvF(4.81, 4.81, 4.81); 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

Cheek/Touch, Ch.661, Ant.Intenna, Bat.Standard 2/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.34 V/m; Power Drift = -0.014 dB
Peak SAR (extrapolated) = 0.234 W/kg
SAR(1 g) = 0.158 mW/g
Maximum value of SAR (measured) = 0.173 mW/g

Cheek/Touch, Ch.661, Ant.Intenna, Bat.Standard 2/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.195 mW/g

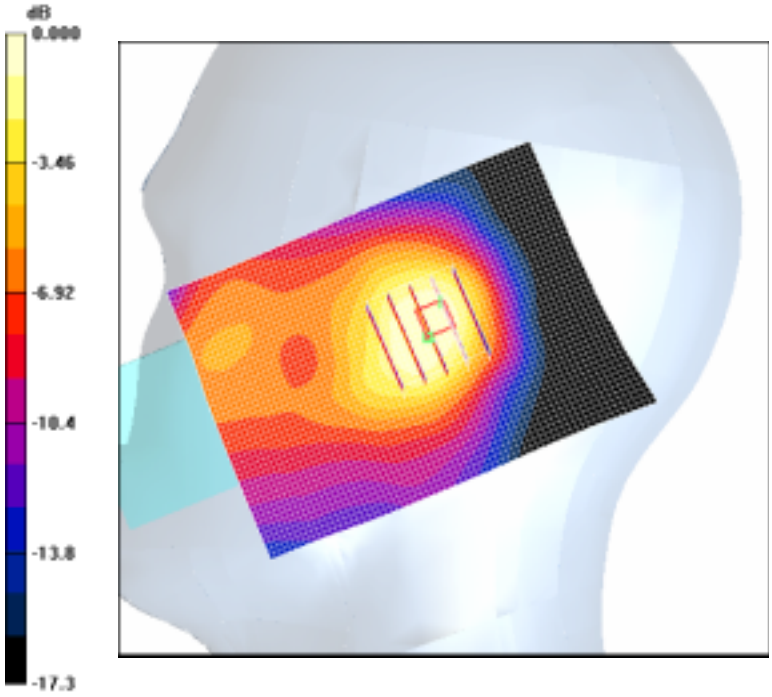


0 dB = 0.195mW/g

SAMSUNG FCC ID : A3LSGHZ630 1900MHz GSM1900 HEAD SAR
DUT: SGH-Z630(Up); Serial: FD-173-E
Program Name: SGH-Z630 GSM1900 Right Slide Up (Job No. : FD-173)
Procedure Name: Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard
Procedure Notes: Meas. Ambient Temp(celsius)-22.0, Tissue Temp(celsius)-21.7; Test Date-18/Sep/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; σ = 1.39 mho/m; ε_r = 39.8; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3085; ConvF(4.81, 4.81, 4.81); 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

Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.114 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 = 3.92 V/m; Power Drift = 0.168 dB
Peak SAR (extrapolated) = 0.139 W/kg
SAR(1 g) = 0.096 mW/g
Maximum value of SAR (measured) = 0.102 mW/g

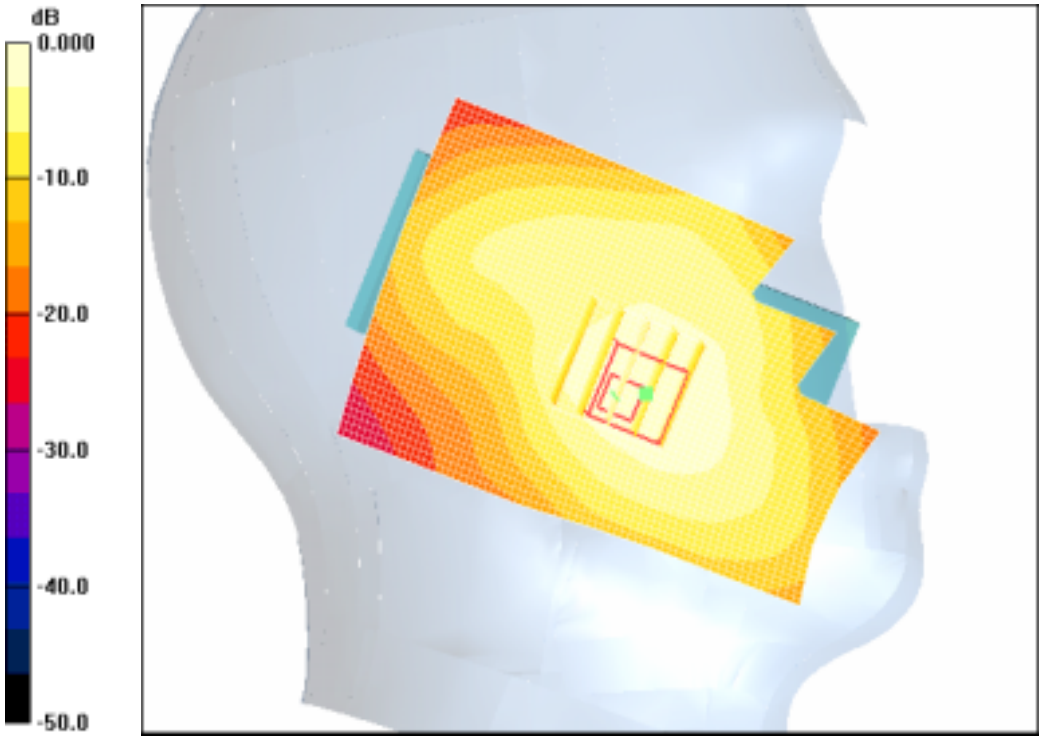


0 dB = 0.102mW/g

SAMSUNG FCC ID : A3LSGHZ630 1900MHz GSM1900 HEAD SAR
DUT: SGH-Z630(Up); Serial: FD-173-E
Program Name: SGH-Z630 GSM1900 Left Slide Up(Job No. : FD-173)
Procedure Name: Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard 2
Procedure Notes: Meas. Ambient Temp(celsius)-22.0, Tissue Temp(celsius)-21.7; Test Date-18/Sep/2006 [OET Bulletin 65-Supplement C, July 2001]
Communication System: GSM 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1850.2 MHz; σ = 1.39 mho/m; ε_r = 39.8; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3085; ConvF(4.81, 4.81, 4.81); 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

Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard 2/Zoom Scan 2 3 (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.3 V/m; Power Drift = -0.032 dB
Peak SAR (extrapolated) = 0.458 W/kg
SAR(1 g) = 0.303 mW/g
Maximum value of SAR (measured) = 0.336 mW/g

Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard 2/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.334 mW/g

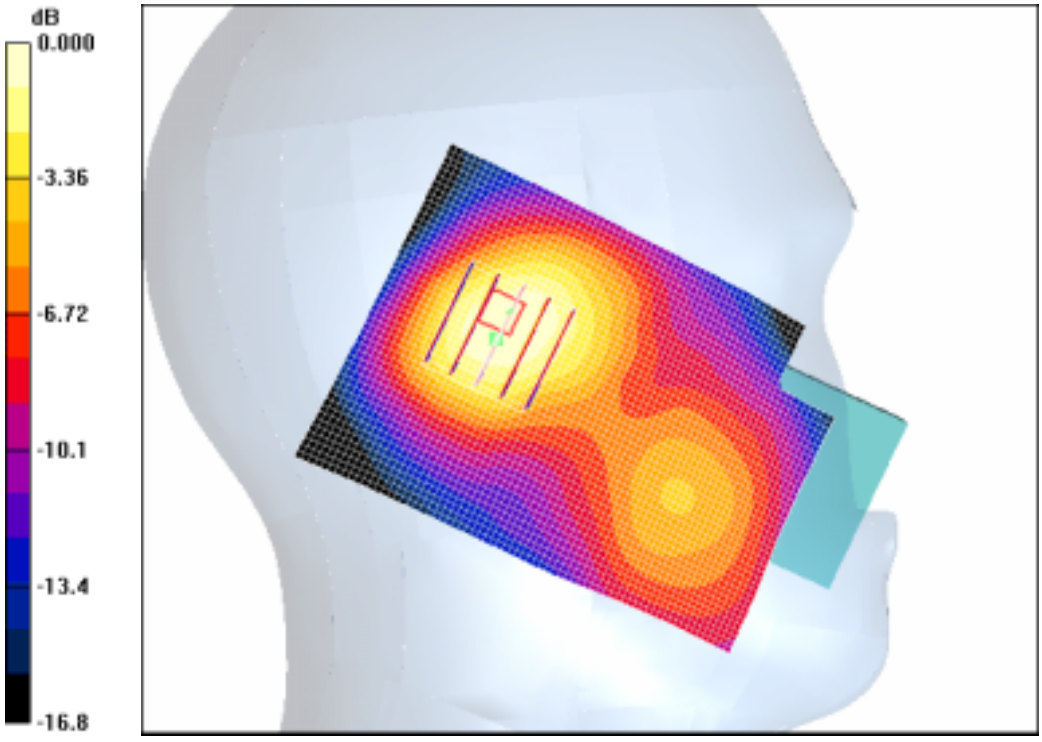


0 dB = 0.334mW/g

SAMSUNG FCC ID : A3LSGHZ630 1900MHz GSM1900 HEAD SAR
DUT: SGH-Z630(Up); Serial: FD-173-E
Program Name: SGH-Z630 GSM1900 Left Slide Up(Job No. : FD-173)
Procedure Name: Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard 3
Procedure Notes: Meas. Ambient Temp(celsius)-22.0, Tissue Temp(celsius)-21.7; Test Date-18/Sep/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; σ = 1.39 mho/m; ε_r = 39.8; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3085; ConvF(4.81, 4.81, 4.81); 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

Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard 3/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.101 mW/g

Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard 3/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.56 V/m; Power Drift = 0.010 dB
Peak SAR (extrapolated) = 0.139 W/kg
SAR(1 g) = 0.097 mW/g
Maximum value of SAR (measured) = 0.104 mW/g

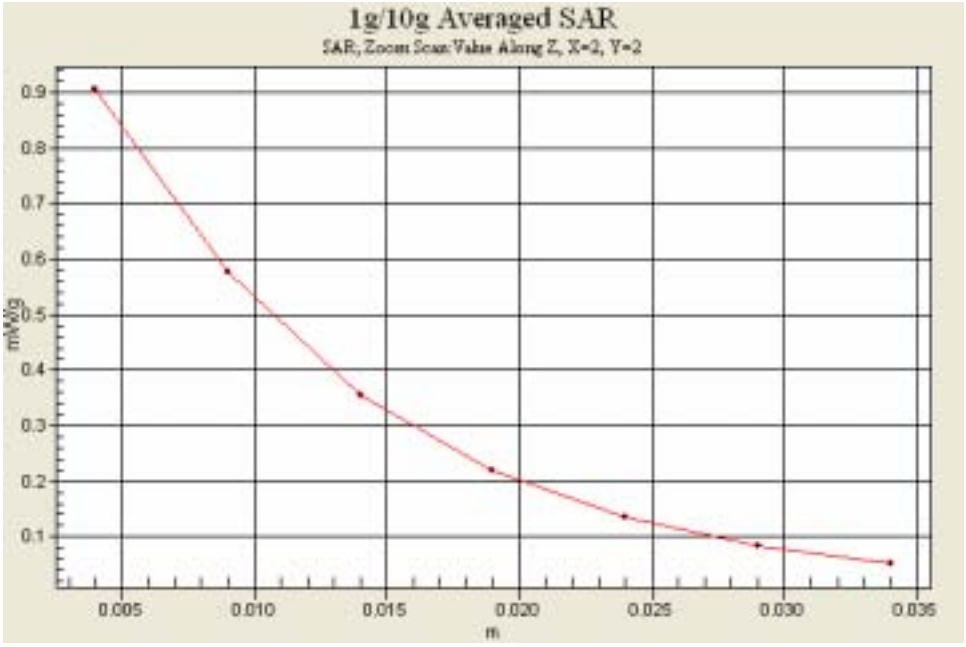


0 dB = 0.104mW/g

SAMSUNG FCC ID : A3LSGHZ630 1900MHz GSM1900 Head SAR
DUT: SGH-Z630(Down); Serial: FD-173-E
Program Name: SGH-Z630 GSM1900 Left Slide Down(Job No. : FD-173)
Procedure Name: Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard
Procedure Notes: Meas. Ambient Temp(celsius)-22.0, Tissue Temp(celsius)-21.7; Test Date-18/Sep/2006 [OET Bulletin 65-Supplement C, July 2001]
Communication System: GSM 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1850.2 MHz; σ = 1.39 mho/m; ε_r = 39.8; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3085; ConvF(4.81, 4.81, 4.81); 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

Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.879 mW/g

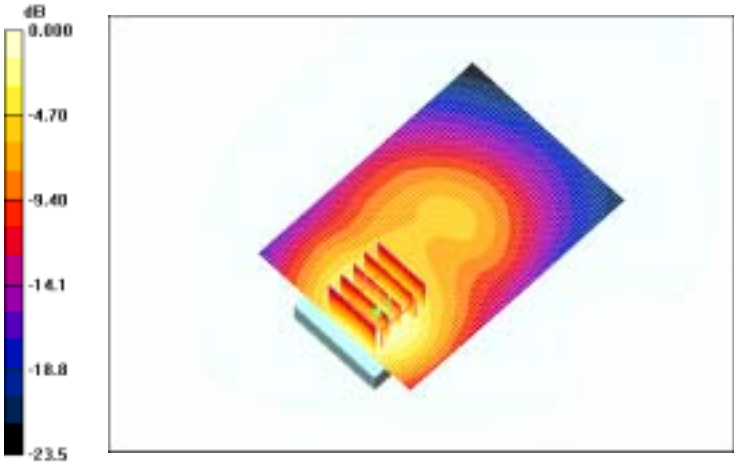
Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.8 V/m; Power Drift = -0.068 dB
Peak SAR (extrapolated) = 1.32 W/kg
SAR(1 g) = 0.808 mW/g
Maximum value of SAR (measured) = 0.905 mW/g



SAMSUNG FCC ID : A3LSGHZ630 1900MHz GPRS1900 Body SAR
DUT: SGH-Z630(Body); Serial: FD-173-E
Program Name: SGH-Z630 GSM1900 Body (Job No. : FD-173)
Procedure Name: Body, Ch.512, Ant.Intenna, Bat.Standard
Procedure Notes: Meas. Ambient Temp(celsius)-22.1, Tissue Temp(celsius)-21.5; Test Date-18/Sep/2006 [OET Bulletin 65-Supplement C, July 2001]
Communication System: Body GPRS ; Frequency: 1850.2 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 1850.2 MHz; σ = 1.53 mho/m; ε_r = 51.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3085; ConvF(4.44, 4.44, 4.44); 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

Body, Ch.512, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.26 V/m; Power Drift = 0.101 dB
Peak SAR (extrapolated) = 0.821 W/kg
SAR(1 g) = 0.547 mW/g
Maximum value of SAR (measured) = 0.585 mW/g

Body, Ch.512, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.588 mW/g



0 dB = 0.588mW/g

SAMSUNG FCC ID : A3LSGHZ630 1900MHz GPRS1900 Body SAR
DUT: SGH-Z630(Body); Serial: FD-173-E
Program Name: SGH-Z630 GSM1900 Body (Job No. : FD-173)
Procedure Name: Body, Ch.512, Ant.Intenna, Bat.Standard
Procedure Notes: Meas. Ambient Temp(celsius)-22.1, Tissue Temp(celsius)-21.5; Test Date-18/Sep/2006 [OET Bulletin 65-Supplement C, July 2001]
Communication System: Body GPRS ; Frequency: 1850.2 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 1850.2 MHz; σ = 1.53 mho/m; ε_r = 51.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3085; ConvF(4.44, 4.44, 4.44); 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

Body, Ch.512, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.26 V/m; Power Drift = 0.101 dB
Peak SAR (extrapolated) = 0.821 W/kg
SAR(1 g) = 0.547 mW/g
Maximum value of SAR (measured) = 0.585 mW/g

Body, Ch.512, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.588 mW/g