

7.2 Plots

The following shows graphical plots of SAR data for the different positions tested.

7.2.1 Band Class 0 (CDMA Cellular) Plots

Date/Time: 09/09/03 12:07:41

Test Laboratory: QUALCOMM Incorporated
 File Name: [sn 361 -LH -09-09 cdma835.da4](#)

sn 361 -LH -09-09 cdma835

DUT: Casper; Type: Phone; Serial: P2b-361
Program: Compliance Testing: P1528 Protocol (Left-Hand Side)

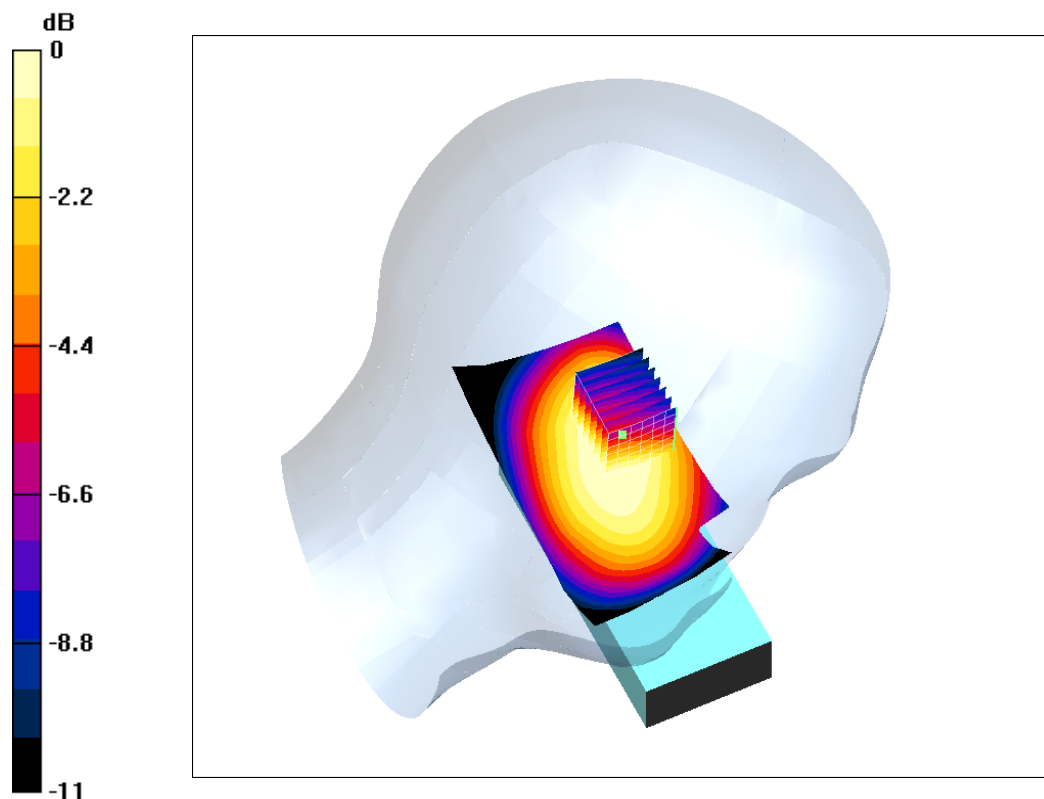
Communication System: CDMA835; Frequency: 824.7 MHz; Duty Cycle: 1:1
 Medium: HSL835 ($\sigma = 0.870846$ mho/m, $\epsilon_r = 40.0195$, $\rho = 1000$ kg/m³), Temp=22 deg. C, Humidity 51%
 Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1733; ConvF(6.5, 6.5, 6.5); Calibrated: 12/3/2002
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn566; Calibrated: 5/23/2003
- Phantom: SAM with CRP; Type: SAM; Serial: 001
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Touch position - Low/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
 Reference Value = 33 V/m
 Power Drift = -0.1 dB
 Maximum value of SAR = 1.2 mW/g

Touch position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Peak SAR (extrapolated) = 1.66 W/kg
 SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.776 mW/g
 Reference Value = 33 V/m
 Power Drift = -0.1 dB
 Maximum value of SAR = 1.13 mW/g



0 dB = 1.13mW/g

Date/Time: 09/09/03 12:07:41

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 File Name: [sn 361 -LH -09-09 cdma835.da4](#)

sn 361 -LH -09-09 cdma835

DUT: Casper; Type: Phone; Serial: P2b-361
Program: Compliance Testing: P1528 Protocol (Left-Hand Side)

Communication System: CDMA835; Frequency: 836.49 MHz; Duty Cycle: 1:1

Medium: HSL835 ($\sigma = 0.889468$ mho/m, $\epsilon_r = 39.7531$, $\rho = 1000$ kg/m³), Temp=22 deg. C, Humidity 51%

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1733; ConvF(6.5, 6.5, 6.5); Calibrated: 12/3/2002
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn566; Calibrated: 5/23/2003
- Phantom: SAM with CRP; Type: SAM; Serial: 001
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Touch position - Middle/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 34 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 1.24 mW/g

Touch position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

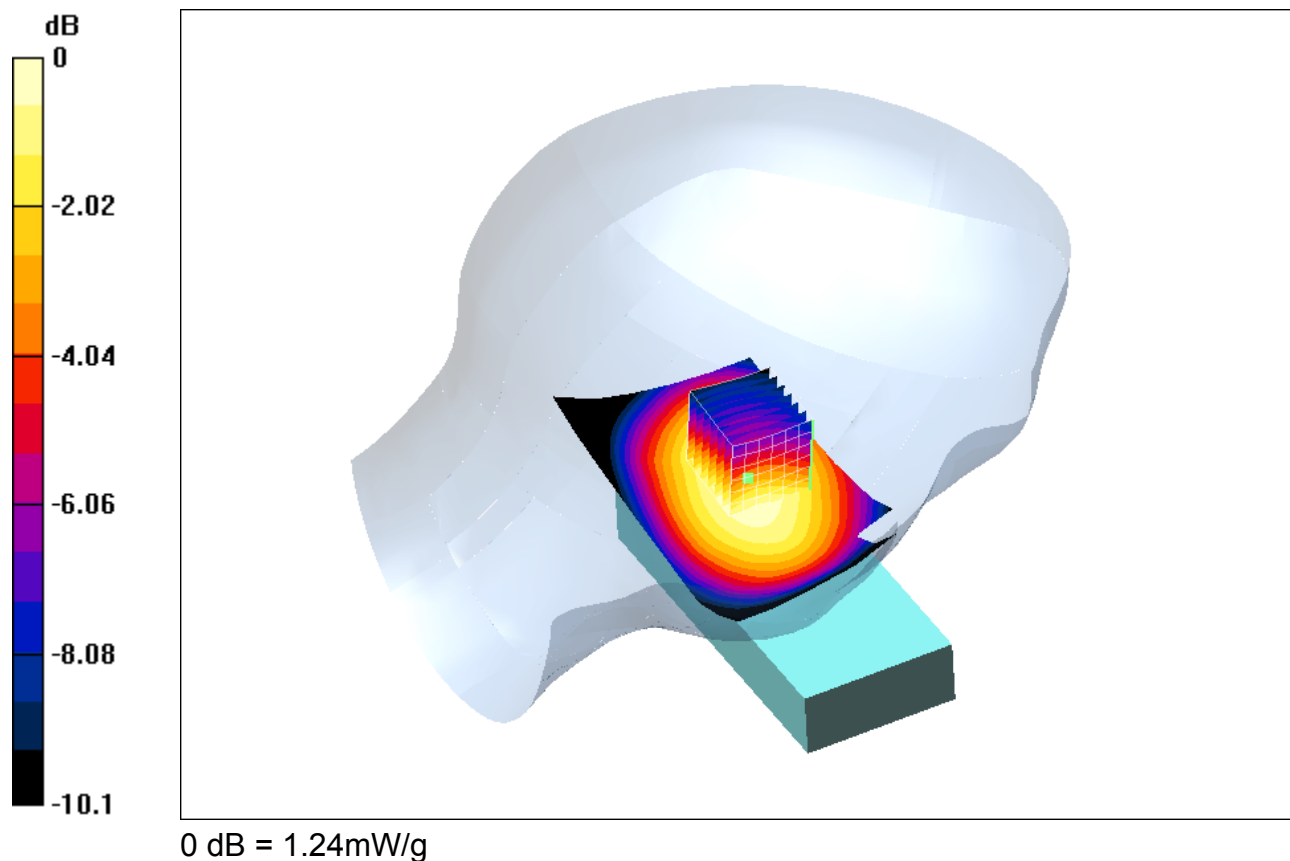
Peak SAR (extrapolated) = 1.72 W/kg

SAR(1 g) = 1.16 mW/g; SAR(10 g) = 0.837 mW/g

Reference Value = 34 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 1.24 mW/g



Date/Time: 09/09/03 12:07:41

Test Laboratory: QUALCOMM Incorporated
 File Name: [sn 361 -LH -09-09 cdma835.da4](#)

sn 361 -LH -09-09 cdma835

DUT: Casper; Type: Phone; Serial: P2b-361
Program: Compliance Testing: P1528 Protocol (Left-Hand Side)

Communication System: CDMA835; Frequency: 848.31 MHz; Duty Cycle: 1:1

Medium: HSL835 ($\sigma = 0.901565$ mho/m, $\epsilon_r = 39.6708$, $\rho = 1000$ kg/m³), Temp=22 deg. C, Humidity 51%

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1733; ConvF(6.5, 6.5, 6.5); Calibrated: 12/3/2002
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn566; Calibrated: 5/23/2003
- Phantom: SAM with CRP; Type: SAM; Serial: 001
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Touch position - High/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 33.1 V/m

Power Drift = -0.08 dB

Maximum value of SAR = 1.22 mW/g

Touch position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

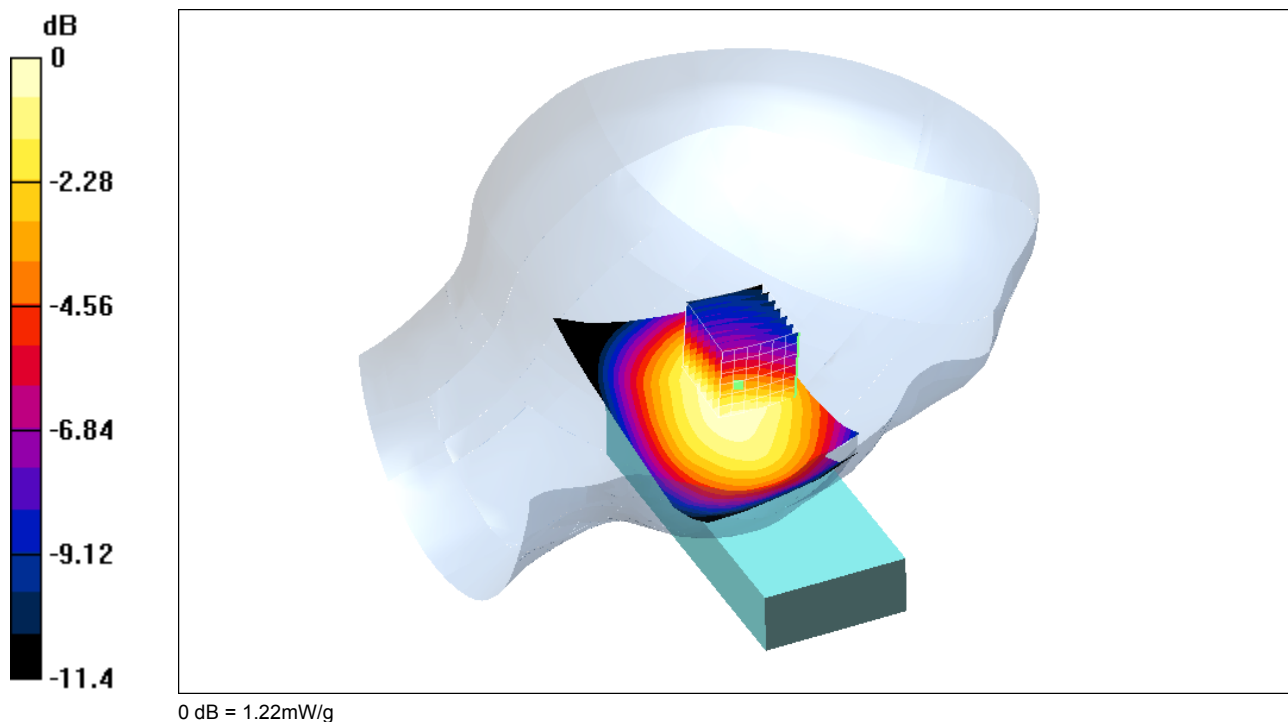
Peak SAR (extrapolated) = 1.81 W/kg

SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.786 mW/g

Reference Value = 33.1 V/m

Power Drift = -0.08 dB

Maximum value of SAR = 1.22 mW/g



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 File Name: [sn 361 -LH -09-09 cdma835.da4](#)

sn 361 -LH -09-09 cdma835

DUT: Casper; Type: Phone; Serial: P2b-361
Program: Compliance Testing: P1528 Protocol (Left-Hand Side)

Communication System: CDMA835; Frequency: 824.7 MHz; Duty Cycle: 1:1

Medium: HSL835 ($\sigma = 0.870846$ mho/m, $\epsilon_r = 40.0195$, $\rho = 1000$ kg/m³), Temp=22 deg. C, Humidity 51%

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1733; ConvF(6.5, 6.5, 6.5); Calibrated: 12/3/2002
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn566; Calibrated: 5/23/2003
- Phantom: SAM with CRP; Type: SAM; Serial: 001
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Tilt position - Low/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 30 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.841 mW/g

Tilt position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

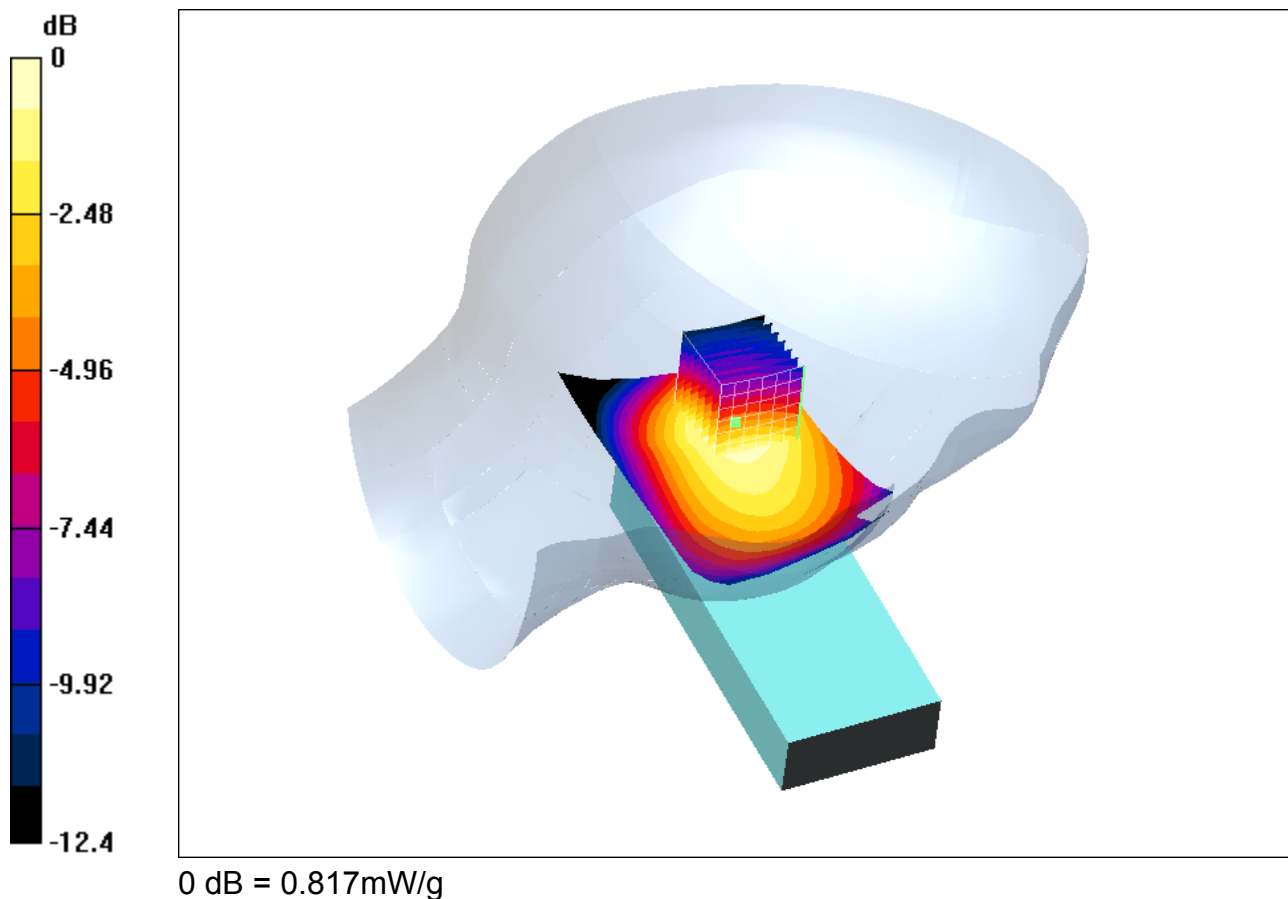
Peak SAR (extrapolated) = 1.13 W/kg

SAR(1 g) = 0.768 mW/g; SAR(10 g) = 0.505 mW/g

Reference Value = 30 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.817 mW/g



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sn 361 -LH -09-09 cdma835

DUT: Casper; Type: Phone; Serial: P2b-361
Program: Compliance Testing: P1528 Protocol (Left-Hand Side)

Communication System: CDMA835; Frequency: 836.49 MHz; Duty Cycle: 1:1

Medium: HSL835 ($\sigma = 0.889468$ mho/m, $\epsilon_r = 39.7531$, $\rho = 1000$ kg/m³), Temp=22 deg. C, Humidity 51%

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1733; ConvF(6.5, 6.5, 6.5); Calibrated: 12/3/2002
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn566; Calibrated: 5/23/2003
- Phantom: SAM with CRP; Type: SAM; Serial: 001
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Tilt position - Middle/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 30.2 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.832 mW/g

Tilt position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

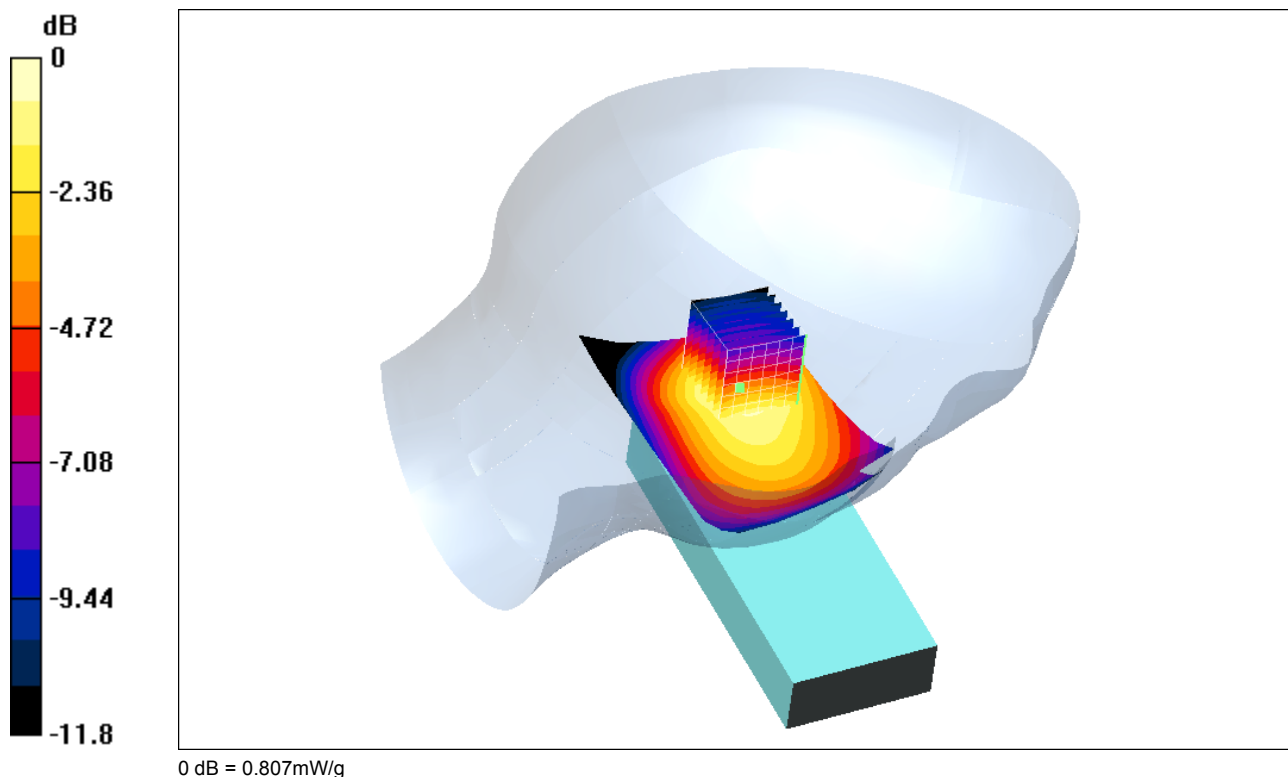
Peak SAR (extrapolated) = 1.1 W/kg

SAR(1 g) = 0.761 mW/g; SAR(10 g) = 0.497 mW/g

Reference Value = 30.2 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.807 mW/g



Date/Time: 09/09/03 12:07:41

Test Laboratory: QUALCOMM Incorporated
 File Name: [sn 361 -LH -09-09 cdma835.da4](#)

sn 361 -LH -09-09 cdma835

DUT: Casper; Type: Phone; Serial: P2b-361
Program: Compliance Testing: P1528 Protocol (Left-Hand Side)

Communication System: CDMA835; Frequency: 848.31 MHz; Duty Cycle: 1:1

Medium: HSL835 ($\sigma = 0.901565$ mho/m, $\epsilon_r = 39.6708$, $\rho = 1000$ kg/m³), Temp=22 deg. C, Humidity 51%

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1733; ConvF(6.5, 6.5, 6.5); Calibrated: 12/3/2002
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn566; Calibrated: 5/23/2003
- Phantom: SAM with CRP; Type: SAM; Serial: 001
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Tilt position - High/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 31.2 V/m

Power Drift = -0.04 dB

Maximum value of SAR = 1.04 mW/g

Tilt position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

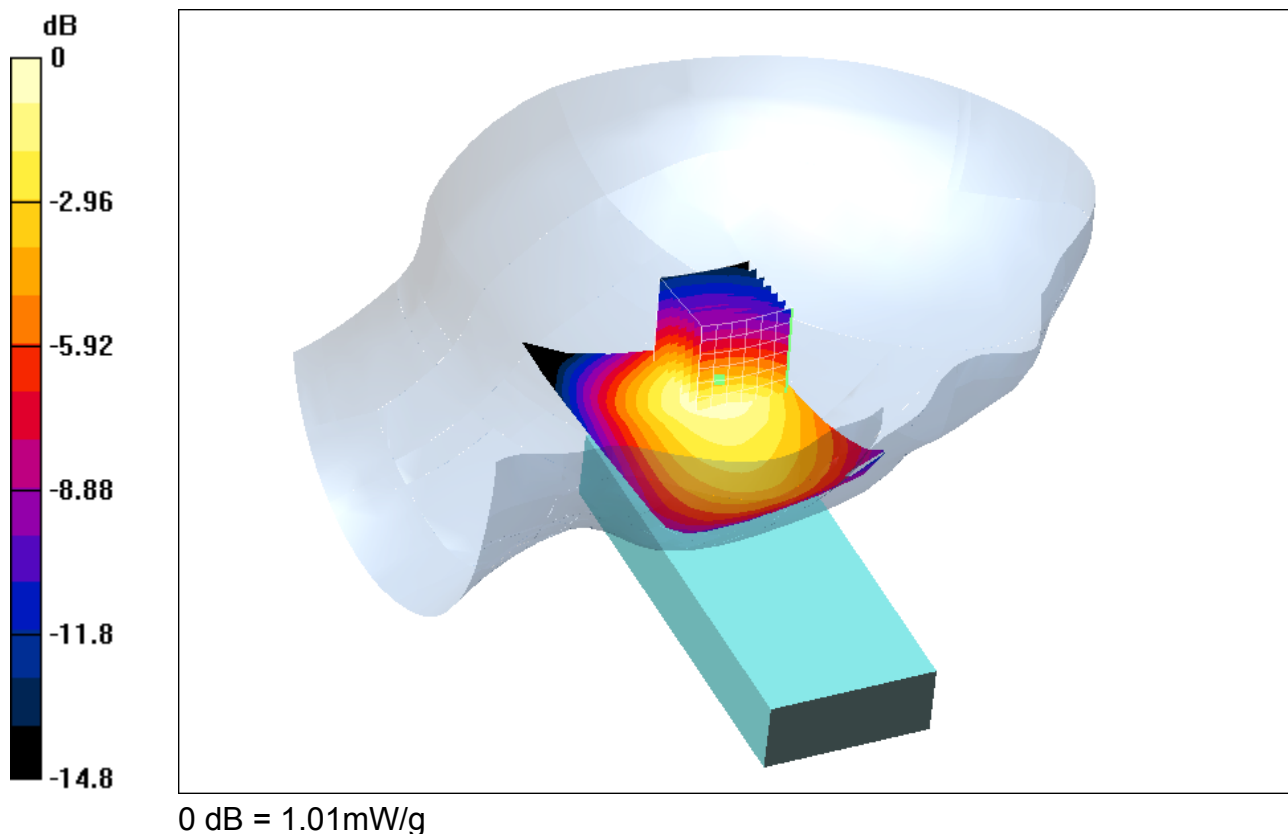
Peak SAR (extrapolated) = 1.59 W/kg

SAR(1 g) = 0.939 mW/g; SAR(10 g) = 0.589 mW/g

Reference Value = 31.2 V/m

Power Drift = -0.04 dB

Maximum value of SAR = 1.01 mW/g



Date/Time: 09/09/03 14:36:03

Test Laboratory: QUALCOMM Incorporated
 File Name: [sn 361 -RH -09-09 cdma835.da4](#)

sn 361 -RH -09-09 cdma835

DUT: Casper; Type: Phone; Serial: P2b-361
Program: Compliance Testing: P1528 Protocol (Right-Hand Side)

Communication System: CDMA835; Frequency: 824.7 MHz; Duty Cycle: 1:1

Medium: HSL835 ($\sigma = 0.870846$ mho/m, $\epsilon_r = 40.0195$, $\rho = 1000$ kg/m³), Temp=22 deg. C, Humidity 51%

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1733; ConvF(6.5, 6.5, 6.5); Calibrated: 12/3/2002
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn566; Calibrated: 5/23/2003
- Phantom: SAM with CRP; Type: SAM; Serial: 001
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Touch position - Low/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 34.7 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 1.19 mW/g

Touch position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

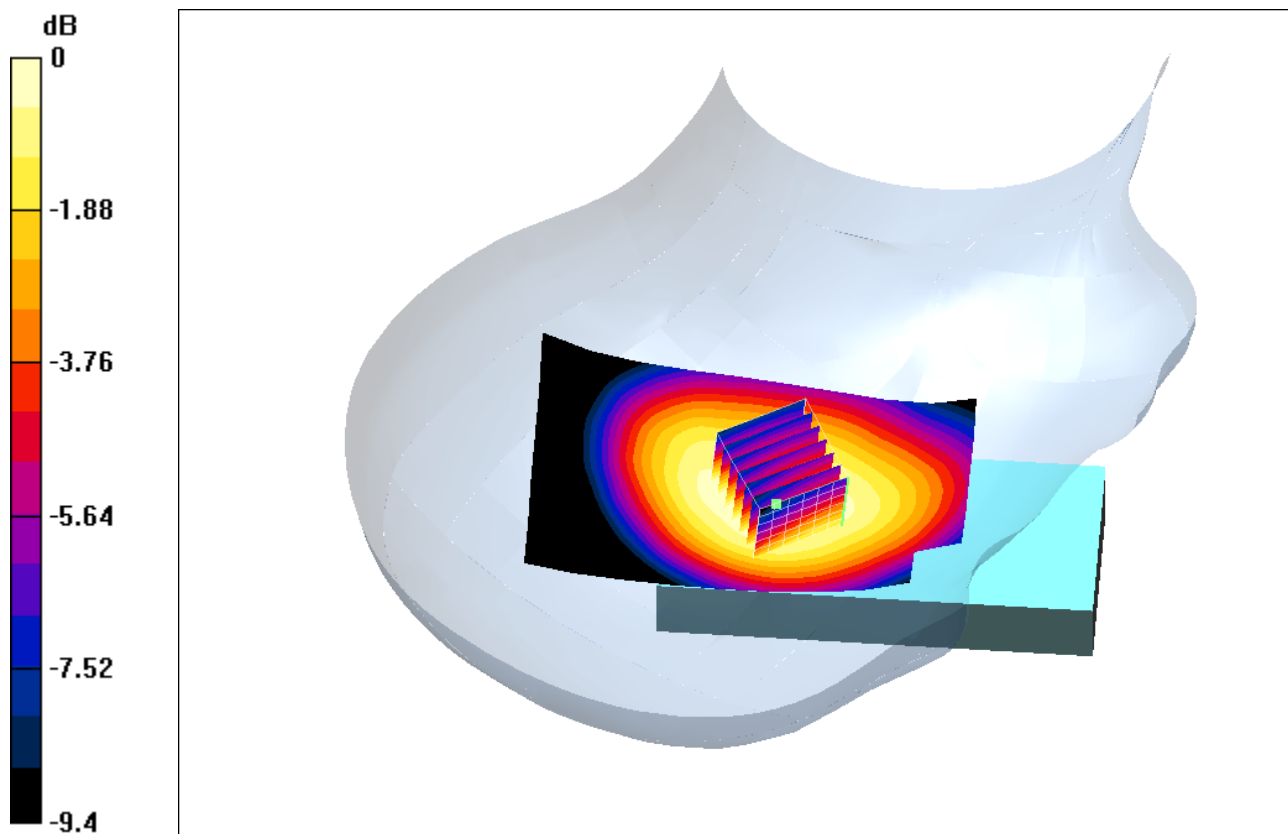
Peak SAR (extrapolated) = 1.45 W/kg

SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.826 mW/g

Reference Value = 34.7 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 1.16 mW/g



0 dB = 1.16mW/g

Date/Time: 09/09/03 14:36:03

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 File Name: [sn 361 -RH -09-09 cdma835.da4](#)

sn 361 -RH -09-09 cdma835

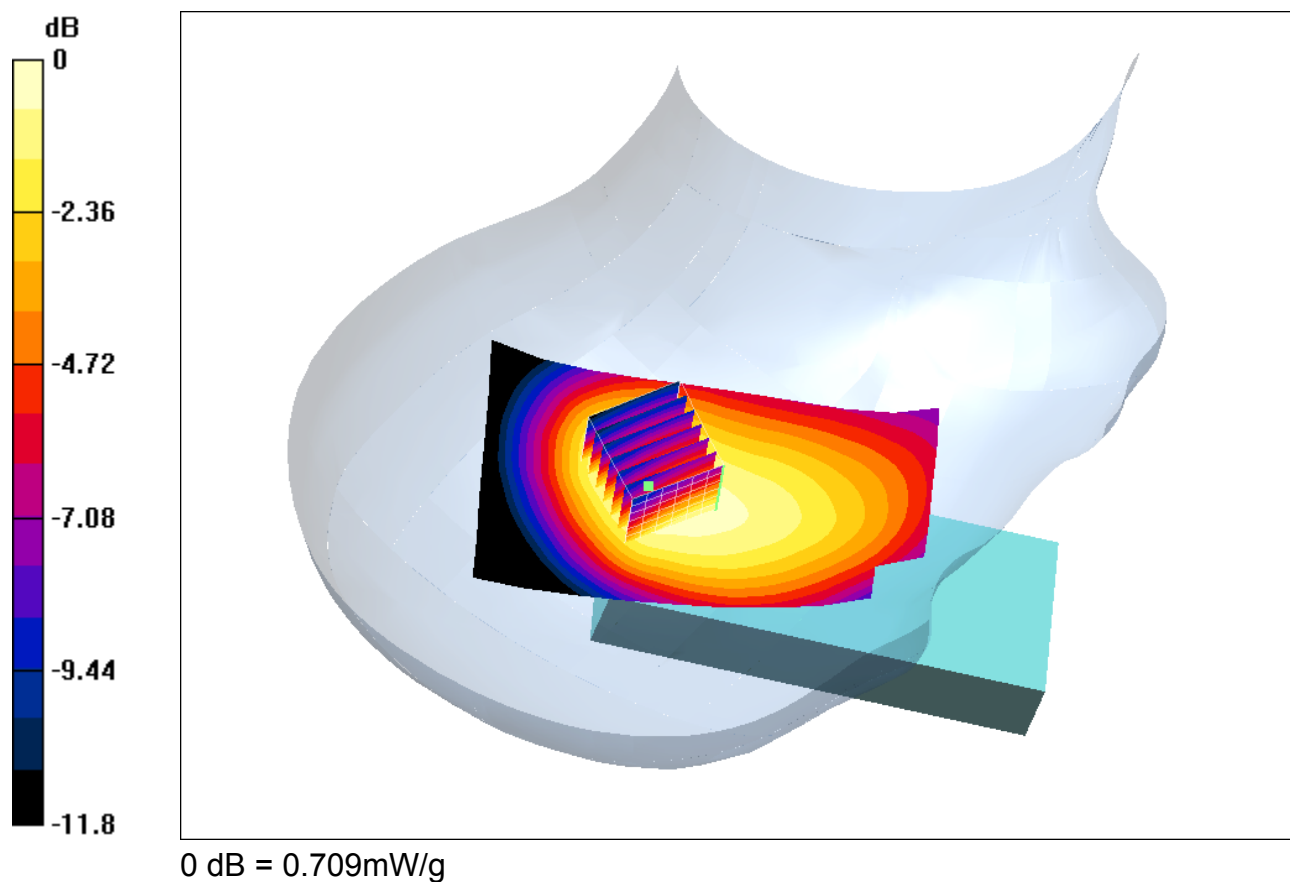
DUT: Casper; Type: Phone; Serial: P2b-361
Program: Compliance Testing: P1528 Protocol (Right-Hand Side)

Communication System: CDMA835; Frequency: 824.7 MHz; Duty Cycle: 1:1
 Medium: HSL835 ($\sigma = 0.870846$ mho/m, $\epsilon_r = 40.0195$, $\rho = 1000$ kg/m³), Temp=22 deg. C, Humidity 51%
 Phantom section: Right Section

DASY4 Configuration:
 - Probe: ET3DV6 - SN1733; ConvF(6.5, 6.5, 6.5); Calibrated: 12/3/2002
 - Sensor-Surface: 4mm (Mechanical Surface Detection)
 - Electronics: DAE3 Sn566; Calibrated: 5/23/2003
 - Phantom: SAM with CRP; Type: SAM; Serial: 001
 - Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Tilt position - Low/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
 Reference Value = 29.7 V/m
 Power Drift = -0.3 dB
 Maximum value of SAR = 0.747 mW/g

Tilt position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Peak SAR (extrapolated) = 0.928 W/kg
 SAR(1 g) = 0.661 mW/g; SAR(10 g) = 0.46 mW/g
 Reference Value = 29.7 V/m
 Power Drift = -0.3 dB
 Maximum value of SAR = 0.709 mW/g



Date/Time: 09/09/03 14:36:03

Test Laboratory: QUALCOMM Incorporated
 File Name: [sn 361 -RH -09-09 cdma835.da4](#)

sn 361 -RH -09-09 cdma835

DUT: Casper; Type: Phone; Serial: P2b-361
Program: Compliance Testing: P1528 Protocol (Right-Hand Side)

Communication System: CDMA835; Frequency: 836.49 MHz; Duty Cycle: 1:1

Medium: HSL835 ($\sigma = 0.889468$ mho/m, $\epsilon_r = 39.7531$, $\rho = 1000$ kg/m³), Temp=22 deg. C, Humidity 51%

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1733; ConvF(6.5, 6.5, 6.5); Calibrated: 12/3/2002
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn566; Calibrated: 5/23/2003
- Phantom: SAM with CRP; Type: SAM; Serial: 001
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Touch position - Middle/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 33.2 V/m

Power Drift = 0.01 dB

Maximum value of SAR = 1.13 mW/g

Touch position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

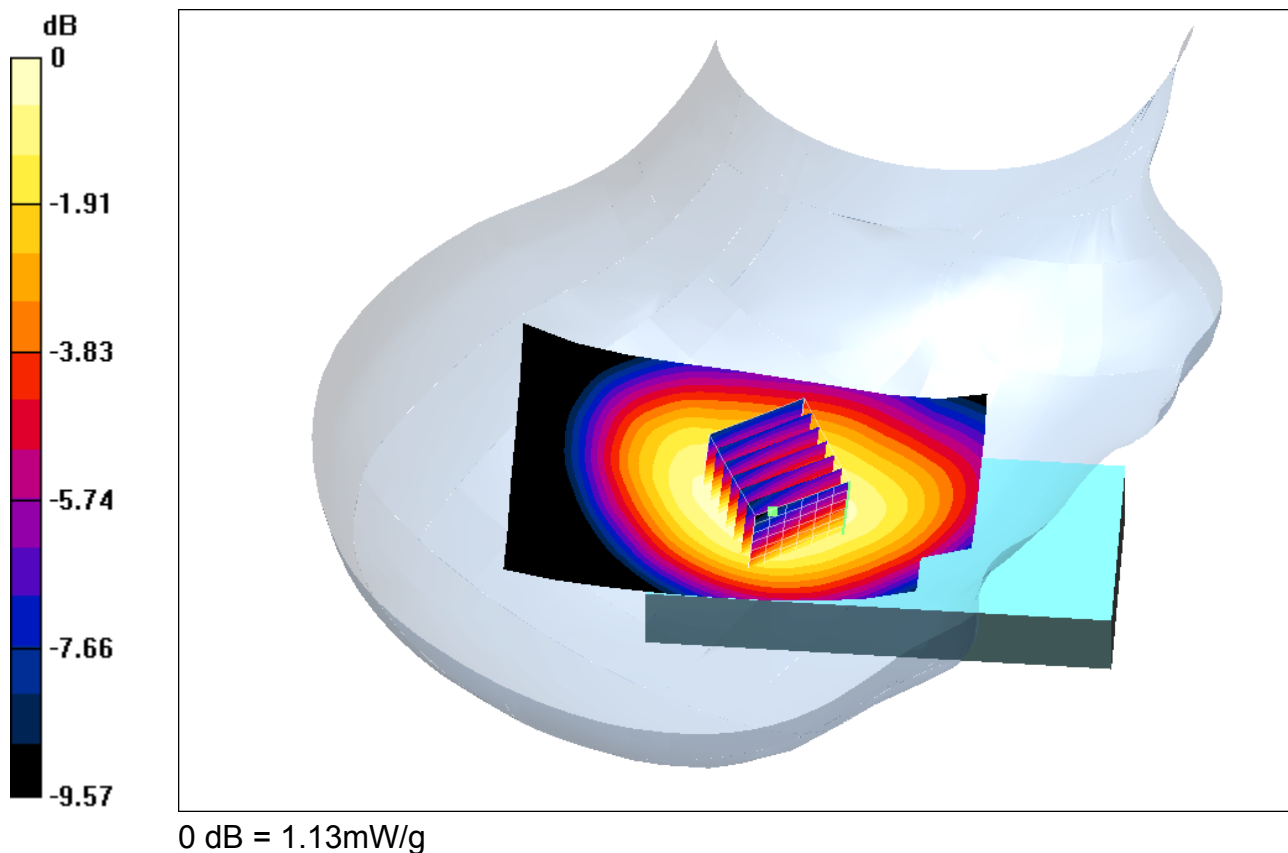
Peak SAR (extrapolated) = 1.42 W/kg

SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.809 mW/g

Reference Value = 33.2 V/m

Power Drift = 0.01 dB

Maximum value of SAR = 1.13 mW/g



Date/Time: 09/09/03 14:36:03

Test Laboratory: QUALCOMM Incorporated
 File Name: [sn 361 -RH -09-09 cdma835.da4](#)

sn 361 -RH -09-09 cdma835

DUT: Casper; Type: Phone; Serial: P2b-361
Program: Compliance Testing: P1528 Protocol (Right-Hand Side)

Communication System: CDMA835; Frequency: 836.49 MHz; Duty Cycle: 1:1

Medium: HSL835 ($\sigma = 0.889468$ mho/m, $\epsilon_r = 39.7531$, $\rho = 1000$ kg/m³), Temp=22 deg. C, Humidity 51%

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1733; ConvF(6.5, 6.5, 6.5); Calibrated: 12/3/2002
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn566; Calibrated: 5/23/2003
- Phantom: SAM with CRP; Type: SAM; Serial: 001
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Tilt position - Middle/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 30.7 V/m

Power Drift = -0.08 dB

Maximum value of SAR = 0.816 mW/g

Tilt position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

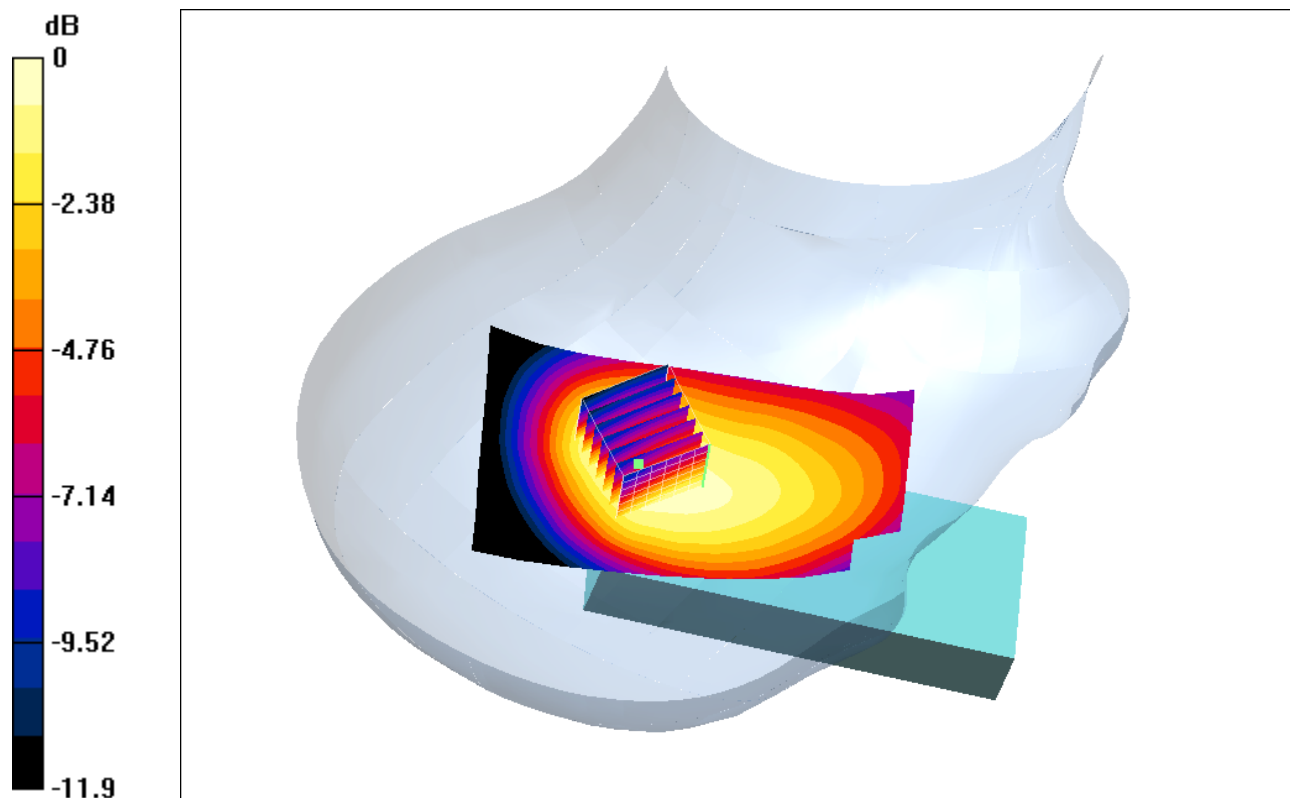
Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.745 mW/g; SAR(10 g) = 0.51 mW/g

Reference Value = 30.7 V/m

Power Drift = -0.08 dB

Maximum value of SAR = 0.789 mW/g



0 dB = 0.789mW/g

Date/Time: 09/09/03 14:36:03

Test Laboratory: QUALCOMM Incorporated
 File Name: [sn 361 -RH -09-09 cdma835.da4](#)

sn 361 -RH -09-09 cdma835

DUT: Casper; Type: Phone; Serial: P2b-361
Program: Compliance Testing: P1528 Protocol (Right-Hand Side)

Communication System: CDMA835; Frequency: 848.31 MHz; Duty Cycle: 1:1

Medium: HSL835 ($\sigma = 0.901565$ mho/m, $\epsilon_r = 39.6708$, $\rho = 1000$ kg/m³), Temp=22 deg. C, Humidity 51%

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1733; ConvF(6.5, 6.5, 6.5); Calibrated: 12/3/2002
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn566; Calibrated: 5/23/2003
- Phantom: SAM with CRP; Type: SAM; Serial: 001
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Touch position - High/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 34.3 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 1.22 mW/g

Touch position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

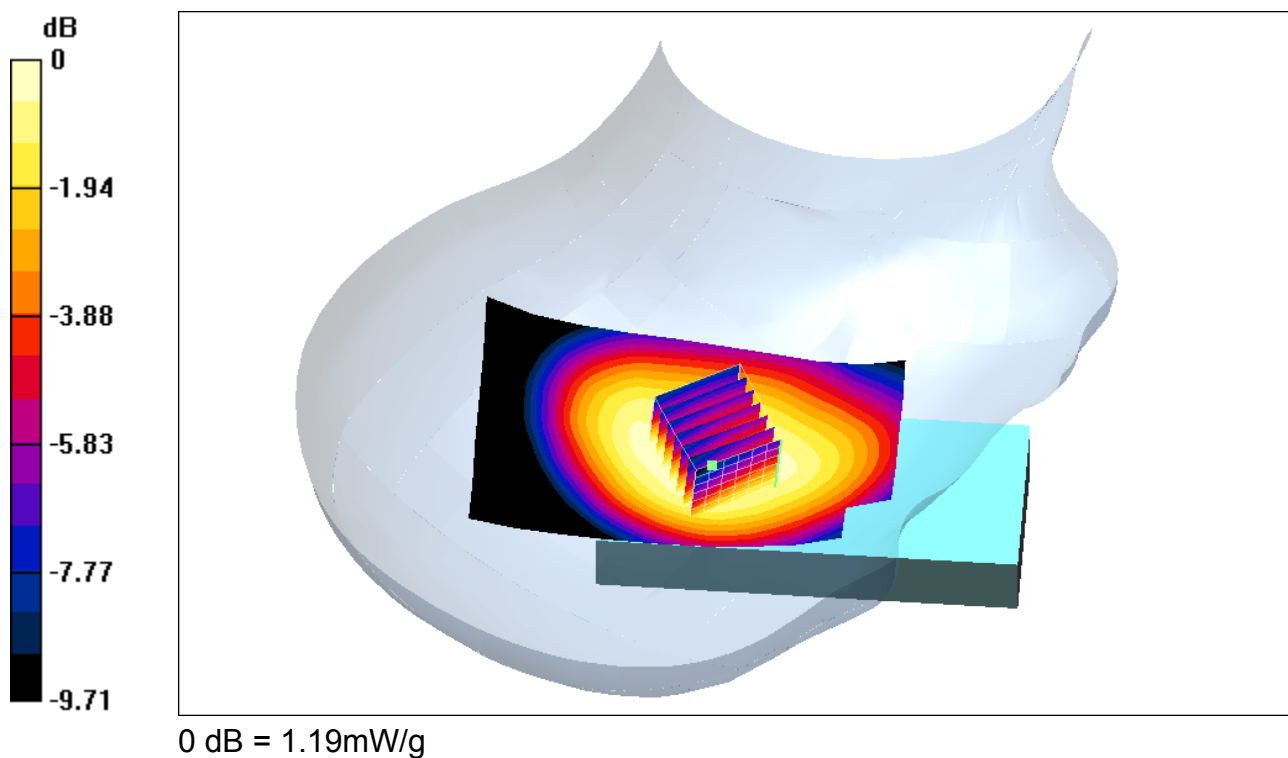
Peak SAR (extrapolated) = 1.5 W/kg

SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.851 mW/g

Reference Value = 34.3 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 1.19 mW/g



Date/Time: 09/09/03 14:36:03

Test Laboratory: QUALCOMM Incorporated
 File Name: [sn 361 -RH -09-09 cdma835.da4](#)

sn 361 -RH -09-09 cdma835

DUT: Casper; Type: Phone; Serial: P2b-361
Program: Compliance Testing: P1528 Protocol (Right-Hand Side)

Communication System: CDMA835; Frequency: 848.31 MHz; Duty Cycle: 1:1

Medium: HSL835 ($\sigma = 0.901565$ mho/m, $\epsilon_r = 39.6708$, $\rho = 1000$ kg/m³), Temp=22 deg. C, Humidity 51%

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1733; ConvF(6.5, 6.5, 6.5); Calibrated: 12/3/2002
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn566; Calibrated: 5/23/2003
- Phantom: SAM with CRP; Type: SAM; Serial: 001
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Tilt position - High/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 30.6 V/m

Power Drift = -0.07 dB

Maximum value of SAR = 0.821 mW/g

Tilt position - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

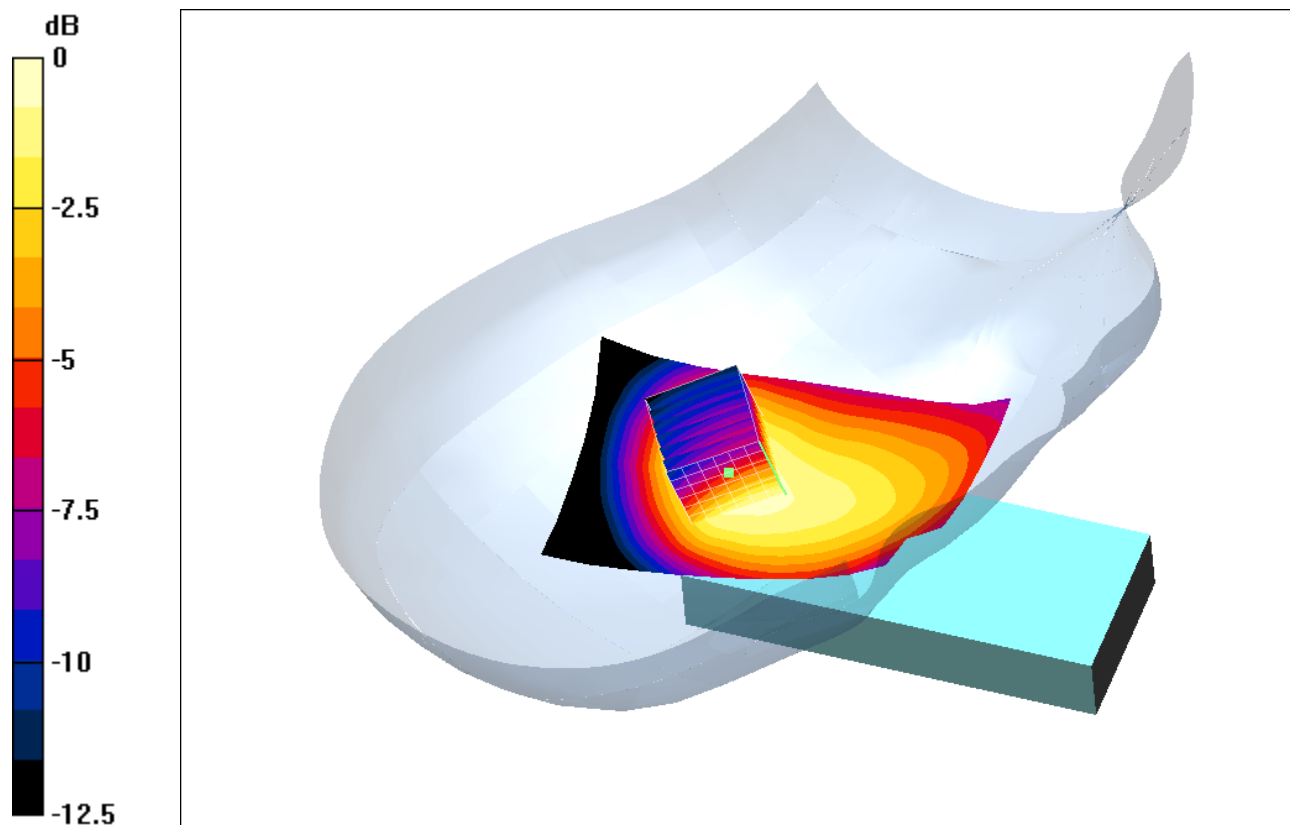
Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.748 mW/g; SAR(10 g) = 0.502 mW/g

Reference Value = 30.6 V/m

Power Drift = -0.07 dB

Maximum value of SAR = 0.803 mW/g



0 dB = 0.803mW/g

Date/Time: 09/09/03 15:59:56

Test Laboratory: QUALCOMM Incorporated
 File Name: [P1528-Flat-PTT 9-09 CDMA 835 sn361.da4](#)

P1528-Flat-PTT 9-09 CDMA 835 sn361

DUT: Casper; Type: Phone; Serial: P2b-361
Program: Compliance Testing: P1528 Protocol (Left-Hand Side)

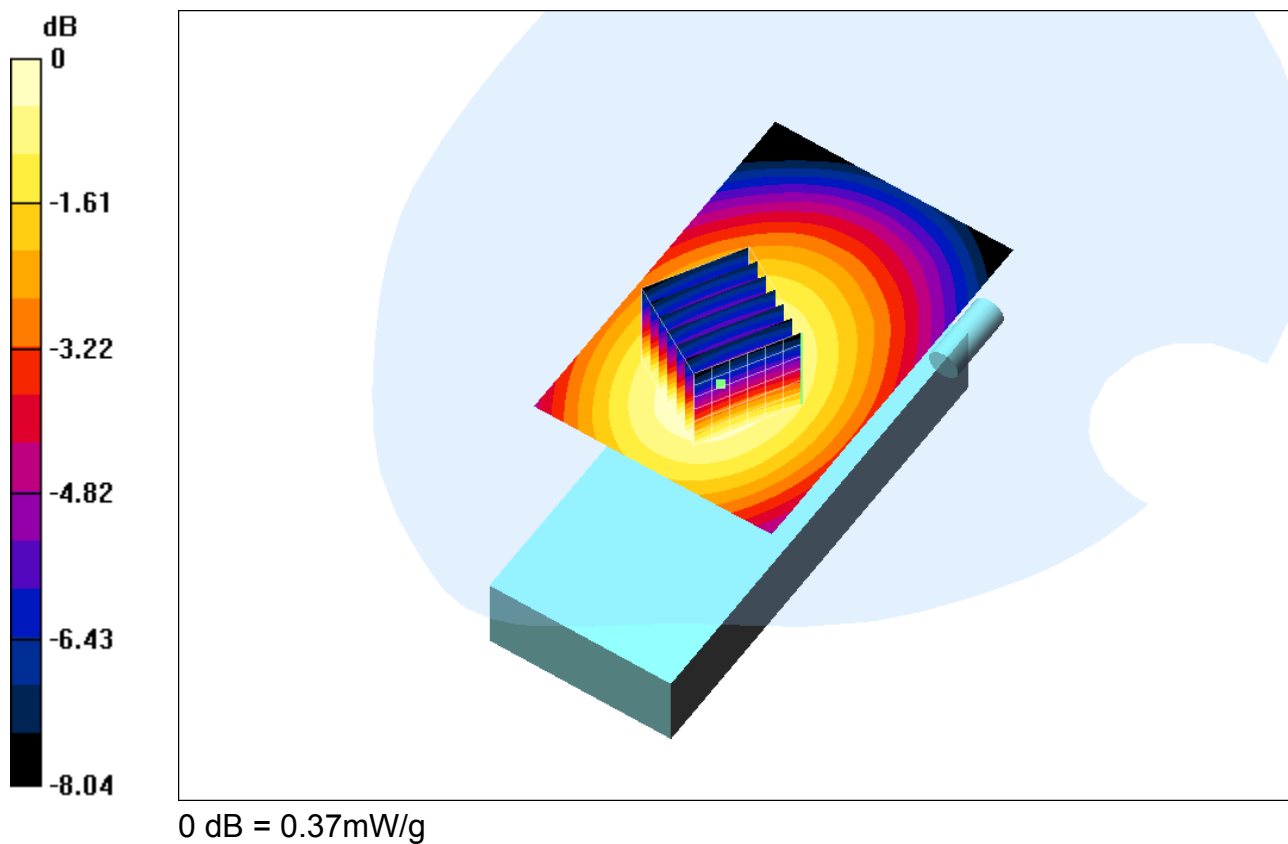
Communication System: CDMA835; Frequency: 824.7 MHz; Duty Cycle: 1:1
 Medium: HSL835 ($\sigma = 0.870846$ mho/m, $\epsilon_r = 40.0195$, $\rho = 1000$ kg/m³), Temp=22 deg. C, Humidity 59%
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1733; ConvF(6.5, 6.5, 6.5); Calibrated: 12/3/2002
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn566; Calibrated: 5/23/2003
- Phantom: SAM with CRP; Type: SAM; Serial: 001
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

PTT - Low/Area Scan (61x91x1): Measurement grid: dx=12mm, dy=12mm
 Reference Value = 13.6 V/m
 Power Drift = -0.02 dB
 Maximum value of SAR = 0.376 mW/g

PTT - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Peak SAR (extrapolated) = 0.488 W/kg
 SAR(1 g) = 0.359 mW/g; SAR(10 g) = 0.262 mW/g
 Reference Value = 13.6 V/m
 Power Drift = -0.02 dB
 Maximum value of SAR = 0.37 mW/g



Date/Time: 09/09/03 15:59:56

Test Laboratory: QUALCOMM Incorporated
 File Name: [P1528-Flat-PTT 9-09 CDMA 835 sn361.da4](#)

P1528-Flat-PTT 9-09 CDMA 835 sn361

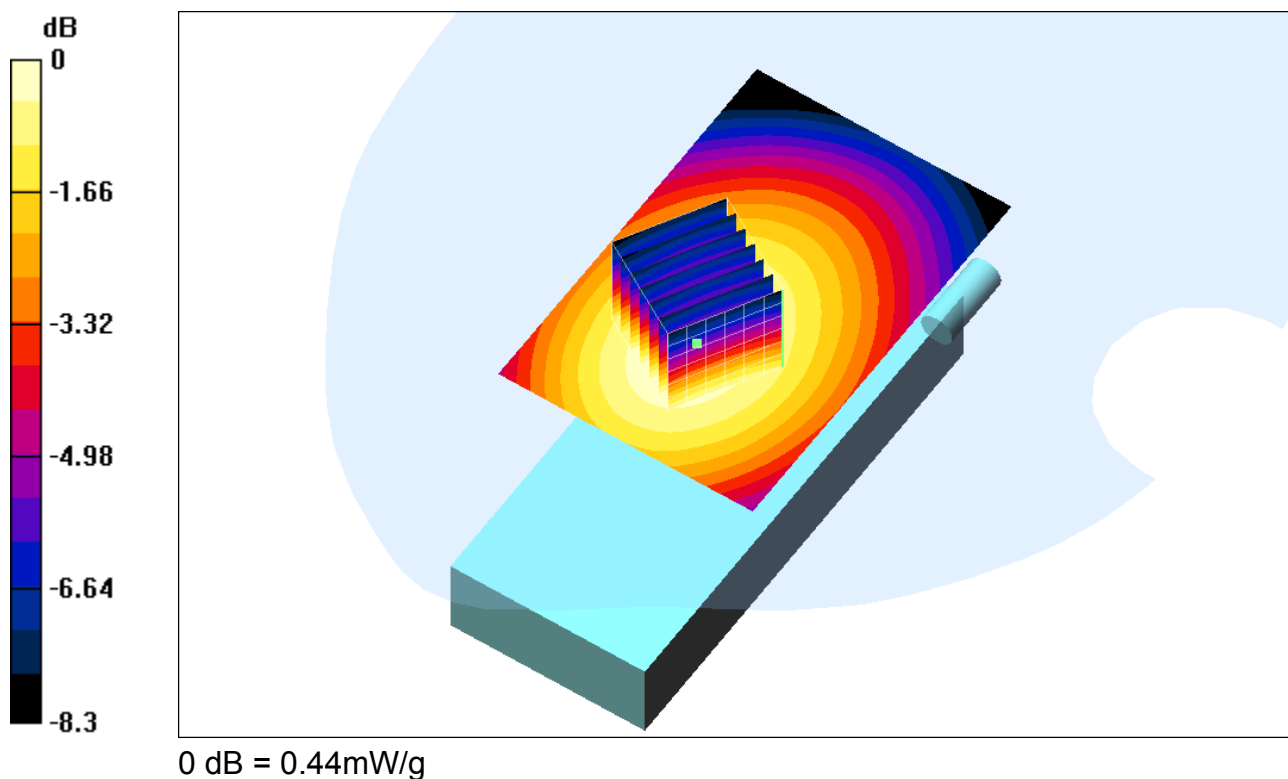
DUT: Casper; Type: Phone; Serial: P2b-361
Program: Compliance Testing: P1528 Protocol (Left-Hand Side)

Communication System: CDMA835; Frequency: 836.49 MHz; Duty Cycle: 1:1
 Medium: HSL835 ($\sigma = 0.889468$ mho/m, $\epsilon_r = 39.7531$, $\rho = 1000$ kg/m³), Temp=22 deg. C, Humidity 59%
 Phantom section: Flat Section

DASY4 Configuration:
 - Probe: ET3DV6 - SN1733; ConvF(6.5, 6.5, 6.5); Calibrated: 12/3/2002
 - Sensor-Surface: 4mm (Mechanical Surface Detection)
 - Electronics: DAE3 Sn566; Calibrated: 5/23/2003
 - Phantom: SAM with CRP; Type: SAM; Serial: 001
 - Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

PTT - Middle/Area Scan (61x91x1): Measurement grid: dx=12mm, dy=12mm
 Reference Value = 14.3 V/m
 Power Drift = 0.03 dB
 Maximum value of SAR = 0.444 mW/g

PTT - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Peak SAR (extrapolated) = 0.583 W/kg
 SAR(1 g) = 0.426 mW/g; SAR(10 g) = 0.31 mW/g
 Reference Value = 14.3 V/m
 Power Drift = 0.03 dB
 Maximum value of SAR = 0.44 mW/g



Date/Time: 09/09/03 15:59:56

Test Laboratory: QUALCOMM Incorporated
 File Name: [P1528-Flat-PTT 9-09 CDMA 835 sn361.da4](#)

P1528-Flat-PTT 9-09 CDMA 835 sn361

DUT: Casper; Type: Phone; Serial: P2b-361
Program: Compliance Testing: P1528 Protocol (Left-Hand Side)

Communication System: CDMA835; Frequency: 848.31 MHz; Duty Cycle: 1:1

Medium: HSL835 ($\sigma = 0.901565$ mho/m, $\epsilon_r = 39.6708$, $\rho = 1000$ kg/m³), Temp=22 deg. C, Humidity 59%

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1733; ConvF(6.5, 6.5, 6.5); Calibrated: 12/3/2002
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn566; Calibrated: 5/23/2003
- Phantom: SAM with CRP; Type: SAM; Serial: 001
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

PTT - High/Area Scan (61x91x1): Measurement grid: dx=12mm, dy=12mm

Reference Value = 13.1 V/m

Power Drift = -0.04 dB

Maximum value of SAR = 0.41 mW/g

PTT - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

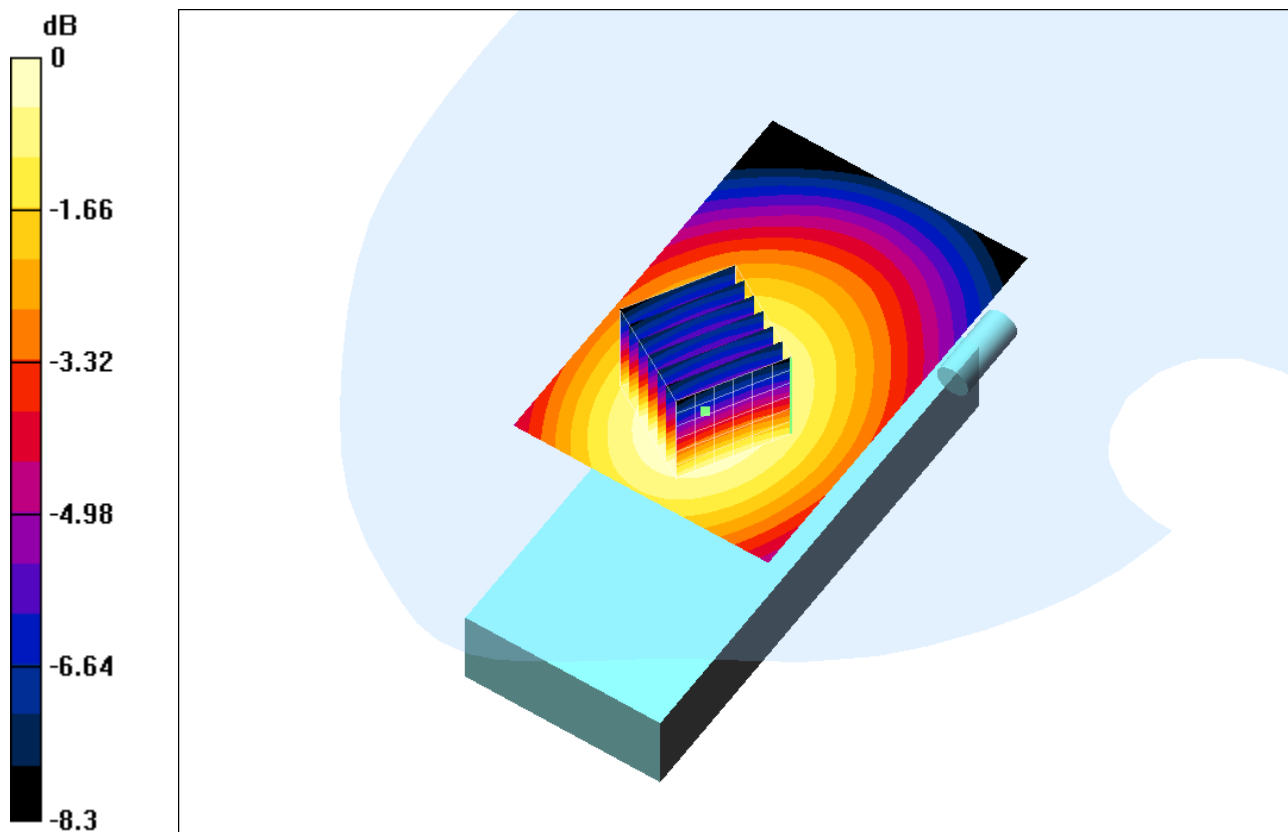
Peak SAR (extrapolated) = 0.525 W/kg

SAR(1 g) = 0.385 mW/g; SAR(10 g) = 0.279 mW/g

Reference Value = 13.1 V/m

Power Drift = -0.04 dB

Maximum value of SAR = 0.399 mW/g



0 dB = 0.399mW/g

Date/Time: 09/10/03 12:14:48

Test Laboratory: QUALCOMM Incorporated
 File Name: [P1528-Flat-BeltClip 9-10 CDMA 835 sn361.da4](#)

P1528-Flat-BeltClip 9-10 CDMA 835 sn361

DUT: Casper; Type: Phone; Serial: P2b-361
Program: Compliance Testing: P1528 Protocol (Flat)

Communication System: CDMA835; Frequency: 824.7 MHz; Duty Cycle: 1:1
 Medium: HSL835 Body ($\sigma = 0.962751$ mho/m, $\epsilon_r = 55.8604$, $\rho = 1000$ kg/m³), Temp=22 deg. C, Humidity 59%
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1733; ConvF(6.4, 6.4, 6.4); Calibrated: 12/3/2002
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn566; Calibrated: 5/23/2003
- Phantom: SAM with CRP; Type: SAM; Serial: 001
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Belt Clip - Low/Area Scan (61x131x1): Measurement grid: dx=12mm, dy=12mm

Reference Value = 13.8 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.392 mW/g

Belt Clip - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

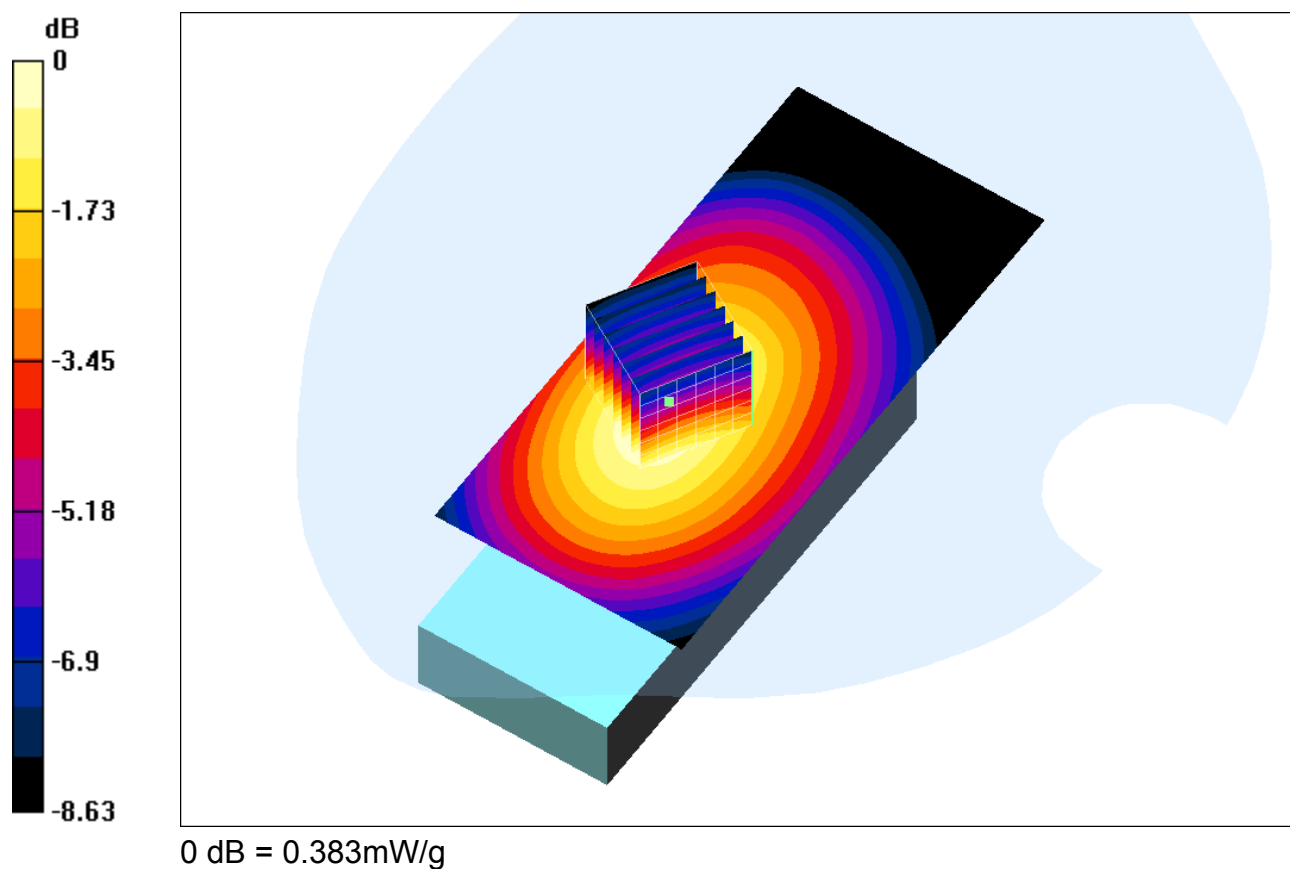
Peak SAR (extrapolated) = 0.51 W/kg

SAR(1 g) = 0.37 mW/g; SAR(10 g) = 0.265 mW/g

Reference Value = 13.8 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.383 mW/g



Date/Time: 09/10/03 12:14:48

Test Laboratory: QUALCOMM Incorporated
 File Name: [P1528-Flat-BeltClip 9-10 CDMA 835 sn361.da4](#)

P1528-Flat-BeltClip 9-10 CDMA 835 sn361

DUT: Casper; Type: Phone; Serial: P2b-361
Program: Compliance Testing: P1528 Protocol (Flat)

Communication System: CDMA835; Frequency: 836.49 MHz; Duty Cycle: 1:1
 Medium: HSL835 Body ($\sigma = 0.973894$ mho/m, $\epsilon_r = 55.6646$, $\rho = 1000$ kg/m³), Temp=22 deg. C, Humidity 59%
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1733; ConvF(6.4, 6.4, 6.4); Calibrated: 12/3/2002
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn566; Calibrated: 5/23/2003
- Phantom: SAM with CRP; Type: SAM; Serial: 001
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Belt Clip - Middle/Area Scan (61x131x1): Measurement grid: dx=12mm, dy=12mm

Reference Value = 12.8 V/m

Power Drift = -1 dB

Maximum value of SAR = 0.384 mW/g

Belt Clip - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

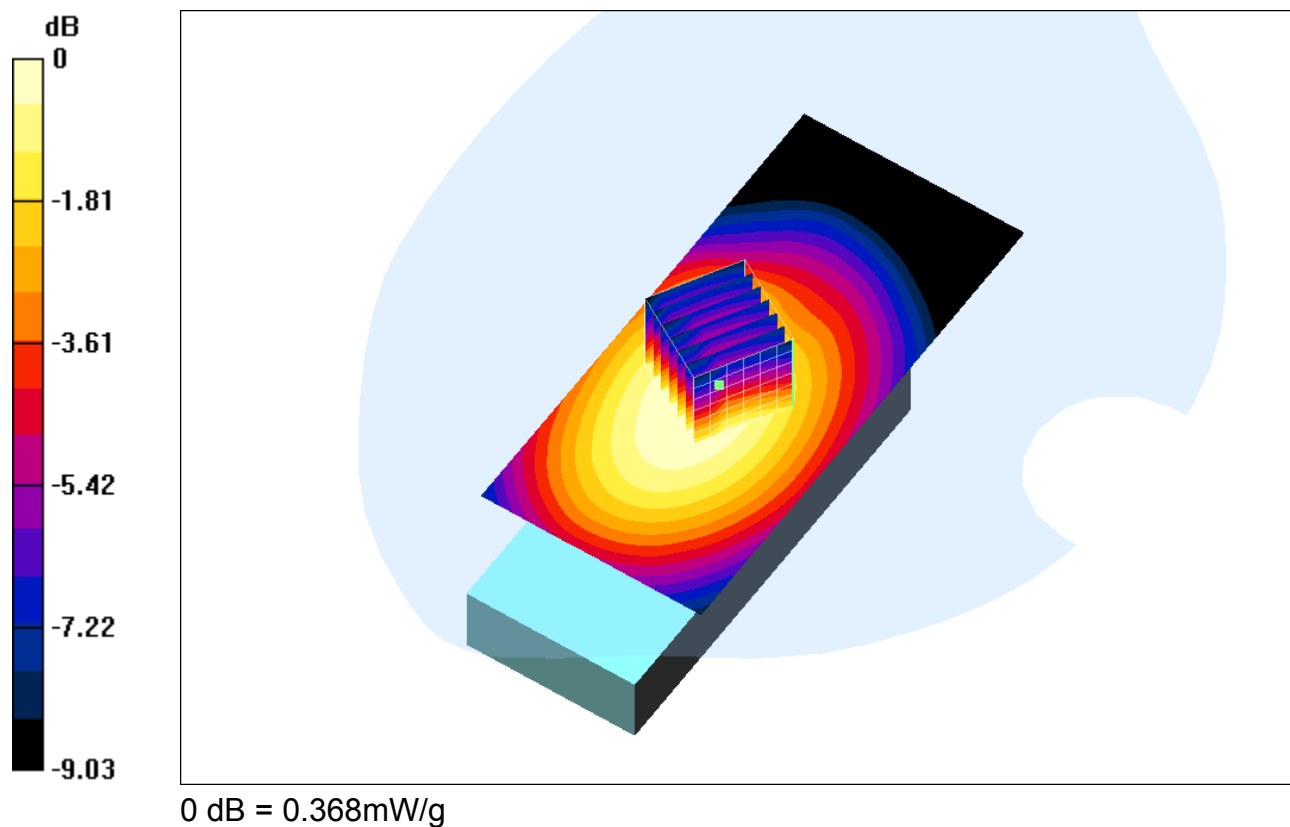
Peak SAR (extrapolated) = 0.5 W/kg

SAR(1 g) = 0.357 mW/g; SAR(10 g) = 0.252 mW/g

Reference Value = 12.8 V/m

Power Drift = -1 dB

Maximum value of SAR = 0.368 mW/g



Date/Time: 09/10/03 12:14:48

Test Laboratory: QUALCOMM Incorporated
 File Name: [P1528-Flat-BeltClip 9-10 CDMA 835 sn361.da4](#)

P1528-Flat-BeltClip 9-10 CDMA 835 sn361

DUT: Casper; Type: Phone; Serial: P2b-361
Program: Compliance Testing: P1528 Protocol (Flat)

Communication System: CDMA835; Frequency: 848.31 MHz; Duty Cycle: 1:1
 Medium: HSL835 Body ($\sigma = 0.98701$ mho/m, $\epsilon_r = 55.5965$, $\rho = 1000$ kg/m³), Temp=22 deg. C, Humidity 59%
 Phantom section: Flat Section

DASY4 Configuration:
 - Probe: ET3DV6 - SN1733; ConvF(6.4, 6.4, 6.4); Calibrated: 12/3/2002
 - Sensor-Surface: 4mm (Mechanical Surface Detection)
 - Electronics: DAE3 Sn566; Calibrated: 5/23/2003
 - Phantom: SAM with CRP; Type: SAM; Serial: 001
 - Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Belt Clip - High/Area Scan (61x131x1): Measurement grid: dx=12mm, dy=12mm

Reference Value = 11.5 V/m

Power Drift = 0.7 dB

Maximum value of SAR = 0.482 mW/g

Belt Clip - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

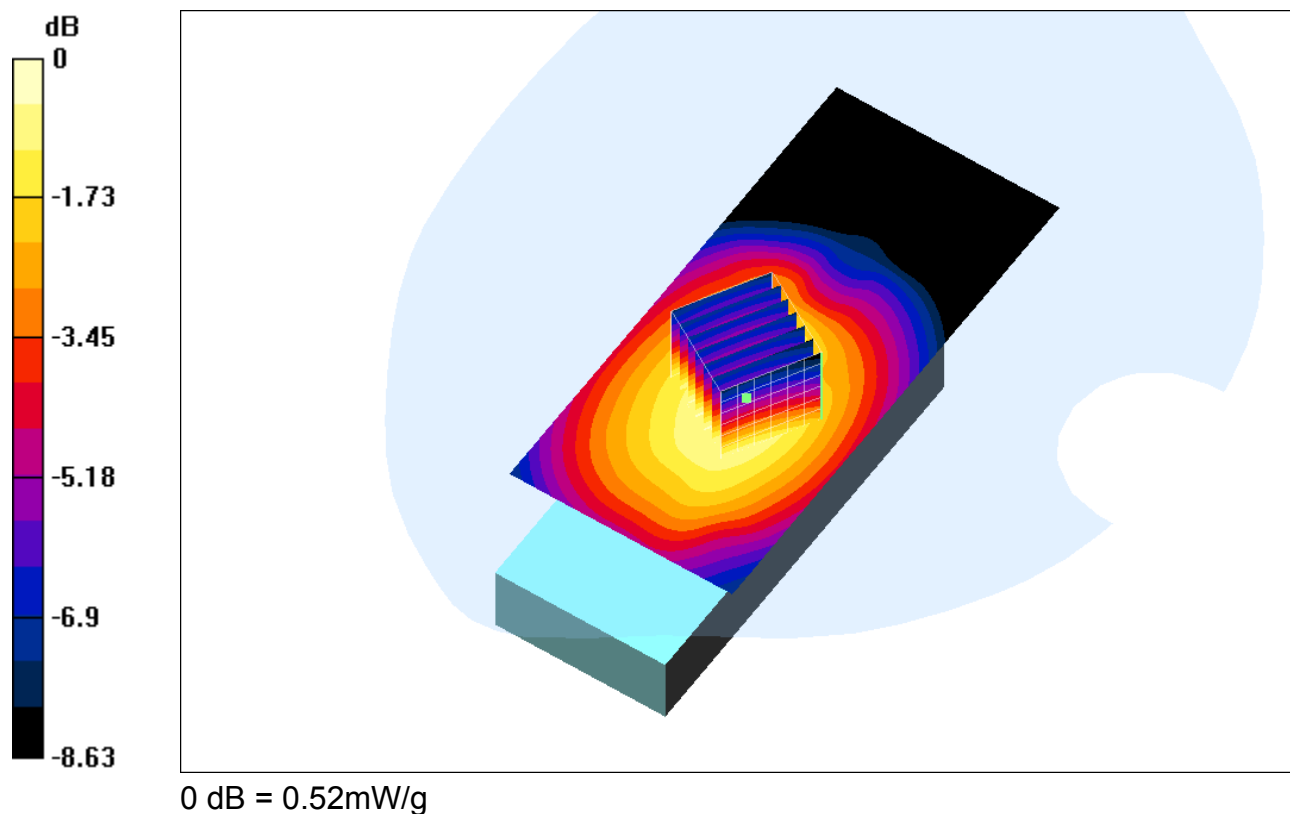
Peak SAR (extrapolated) = 0.683 W/kg

SAR(1 g) = 0.501 mW/g; SAR(10 g) = 0.364 mW/g

Reference Value = 11.5 V/m

Power Drift = 0.7 dB

Maximum value of SAR = 0.52 mW/g



Date/Time: 10/30/03 16:10:40

Test Laboratory: QUALCOMM Incorporated
 File Name: [P1528-Flat-Clipless 10-30 CDMA sn361.da4](#)

P1528-Flat-Clipless 10-30 CDMA sn361

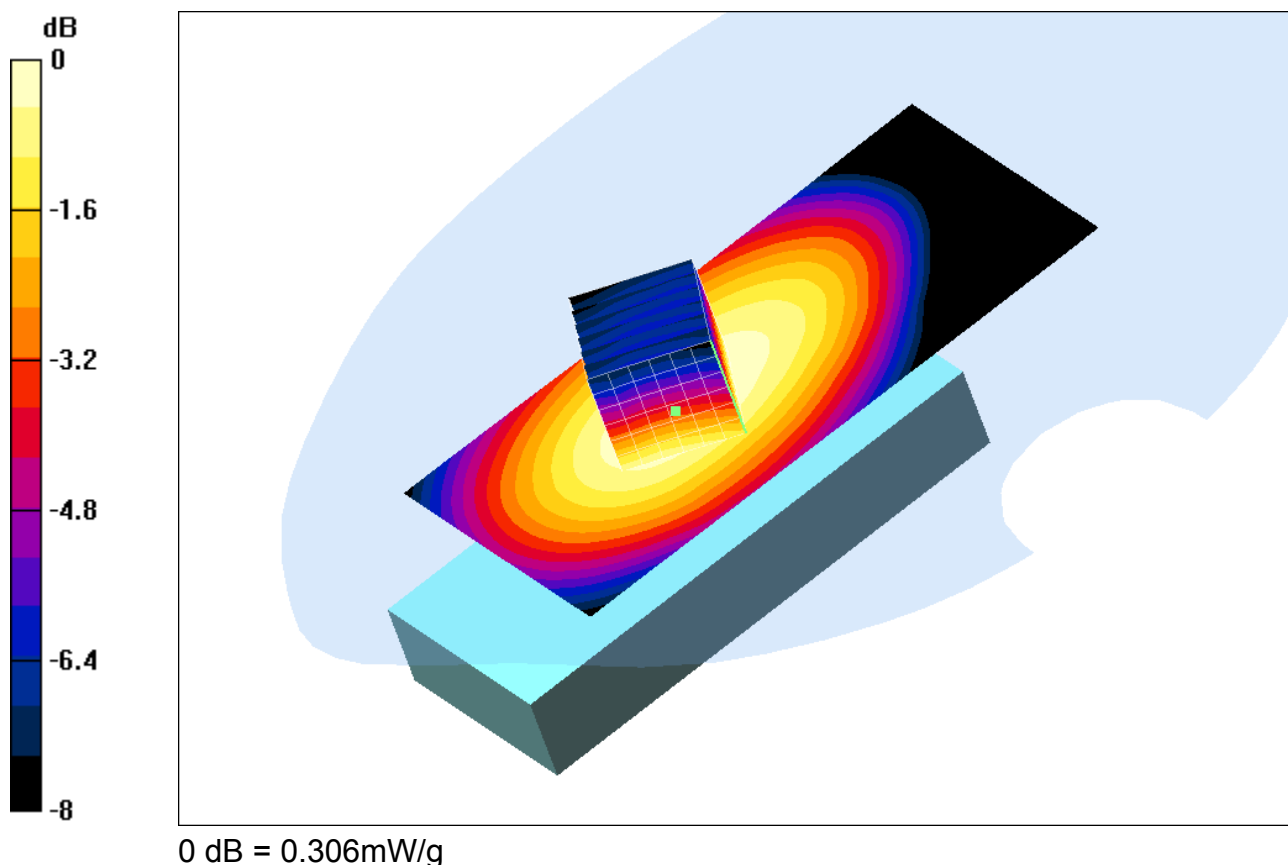
DUT: Casper; Type: Phone; Serial: P2b-361
Program: Compliance Testing: P1528 Protocol (Flat)

Communication System: CDMA835; Frequency: 824.7 MHz; Duty Cycle: 1:1
 Medium: HSL835 Body ($\sigma = 0.969956$ mho/m, $\epsilon_r = 56.0825$, $\rho = 1000$ kg/m³), Temp=22 deg. C, Humidity 53%
 Phantom section: Flat Section

DASY4 Configuration:
 - Probe: ET3DV6 - SN1733; ConvF(6.4, 6.4, 6.4); Calibrated: 12/3/2002
 - Sensor-Surface: 4mm (Mechanical Surface Detection)
 - Electronics: DAE3 Sn566; Calibrated: 5/23/2003
 - Phantom: SAM with CRP; Type: SAM; Serial: 001
 - Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Clipless - Low/Area Scan (61x131x1): Measurement grid: dx=12mm, dy=12mm
 Reference Value = 14.7 V/m
 Power Drift = -0.2 dB
 Maximum value of SAR = 0.312 mW/g

Clipless - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Peak SAR (extrapolated) = 0.404 W/kg
 SAR(1 g) = 0.295 mW/g; SAR(10 g) = 0.216 mW/g
 Reference Value = 14.7 V/m
 Power Drift = -0.2 dB
 Maximum value of SAR = 0.306 mW/g



Date/Time: 10/30/03 16:10:40

Test Laboratory: QUALCOMM Incorporated
 File Name: [P1528-Flat-Clipless 10-30 CDMA sn361.da4](#)

P1528-Flat-Clipless 10-30 CDMA sn361

DUT: Casper; Type: Phone; Serial: P2b-361
Program: Compliance Testing: P1528 Protocol (Flat)

Communication System: CDMA835; Frequency: 836.49 MHz; Duty Cycle: 1:1

Medium: HSL835 Body ($\sigma = 0.975952$ mho/m, $\epsilon_r = 55.9763$, $\rho = 1000$ kg/m³), Temp=22 deg. C, Humidity 53%

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1733; ConvF(6.4, 6.4, 6.4); Calibrated: 12/3/2002
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn566; Calibrated: 5/23/2003
- Phantom: SAM with CRP; Type: SAM; Serial: 001
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Clipless - Middle/Area Scan (61x131x1): Measurement grid: dx=12mm, dy=12mm

Reference Value = 15.5 V/m

Power Drift = 0.009 dB

Maximum value of SAR = 0.359 mW/g

Clipless - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

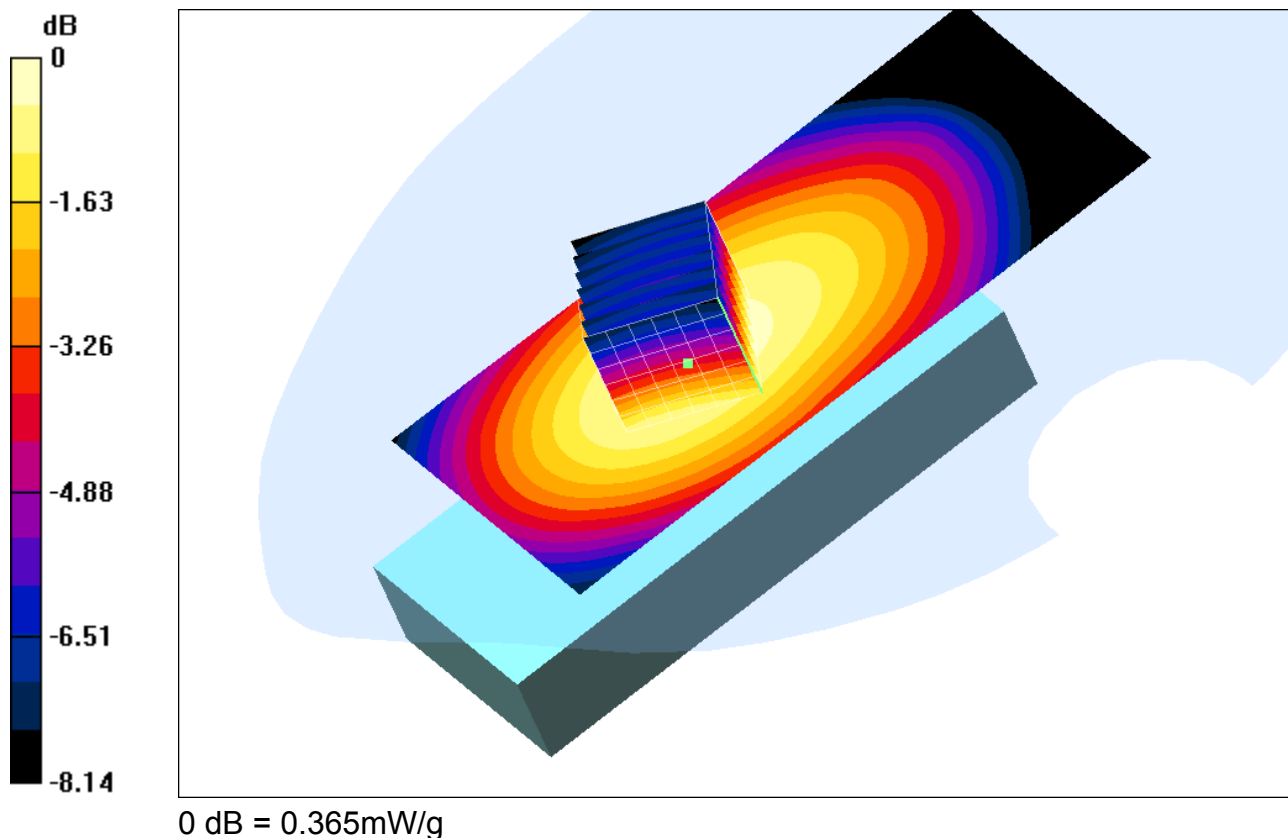
Peak SAR (extrapolated) = 0.479 W/kg

SAR(1 g) = 0.352 mW/g; SAR(10 g) = 0.258 mW/g

Reference Value = 15.5 V/m

Power Drift = 0.009 dB

Maximum value of SAR = 0.365 mW/g



Date/Time: 10/30/03 16:10:40

Test Laboratory: QUALCOMM Incorporated
 File Name: [P1528-Flat-Clipless 10-30 CDMA sn361.da4](#)

P1528-Flat-Clipless 10-30 CDMA sn361

DUT: Casper; Type: Phone; Serial: P2b-361
Program: Compliance Testing: P1528 Protocol (Flat)

Communication System: CDMA835; Frequency: 848.31 MHz; Duty Cycle: 1:1

Medium: HSL835 Body ($\sigma = 0.989646$ mho/m, $\epsilon_r = 55.9101$, $\rho = 1000$ kg/m³), Temp=22 deg. C, Humidity 53%

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1733; ConvF(6.4, 6.4, 6.4); Calibrated: 12/3/2002
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn566; Calibrated: 5/23/2003
- Phantom: SAM with CRP; Type: SAM; Serial: 001
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Clipless - High/Area Scan (61x131x1): Measurement grid: dx=12mm, dy=12mm

Reference Value = 15.1 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.409 mW/g

Clipless - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Peak SAR (extrapolated) = 0.535 W/kg

SAR(1 g) = 0.394 mW/g; SAR(10 g) = 0.288 mW/g

Reference Value = 15.1 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.409 mW/g

