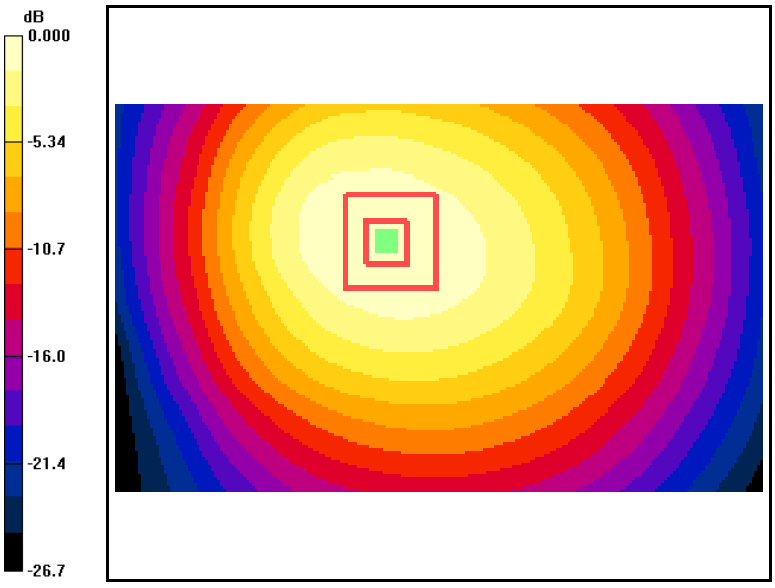
CELL

FCC S2150 CELL Flat with 15mm Air Space, Face Down Ch. 1013, Closed
Communication System: CDMA-800, Frequency: 824.7 MHz, Duty Cycle: 1:1
Medium: M800,Medium parameters used (interpolated): f = 824.7 MHz; σ = 0.94 mho/m; ε_r = 54.6; ρ = 1000 kg/m^3
Phantom: SAM 12,Phantom section: Flat Section
DASY4 Configuration:
Probe: ES3DV3 - SN3036, ConvF(5.83, 5.83, 5.83), Calibrated: 5/29/2012
Sensor-Surface: 4mm (Mechanical Surface Detection),
Electronics: DAE4 Sn603,Calibrated: 9/27/2011
Measurement SW: DASY4, V4.7 Build 80
Postprocessing SW: SEMCAD, V1.8 Build 186
Temperature:
Room T = 21.8 □□□ 1 deg C, Liquid T = 22.0 □□□ 1 deg C

CDMA-800 FLAT Face Down Ch1013/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.954 mW/g

CDMA-800 FLAT Face Down Ch1013/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 28.1 V/m; Power Drift = -0.043 dB
Peak SAR (extrapolated) = 1.17 W/kg
SAR(1 g) = 0.881 mW/g; SAR(10 g) = 0.620 mW/g
Maximum value of SAR (measured) = 0.941 mW/g

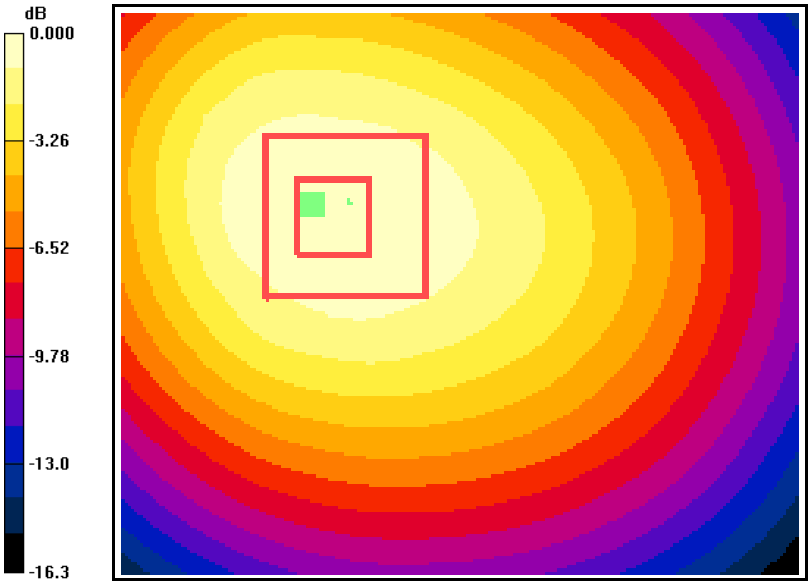


0 dB = 0.954mW/g

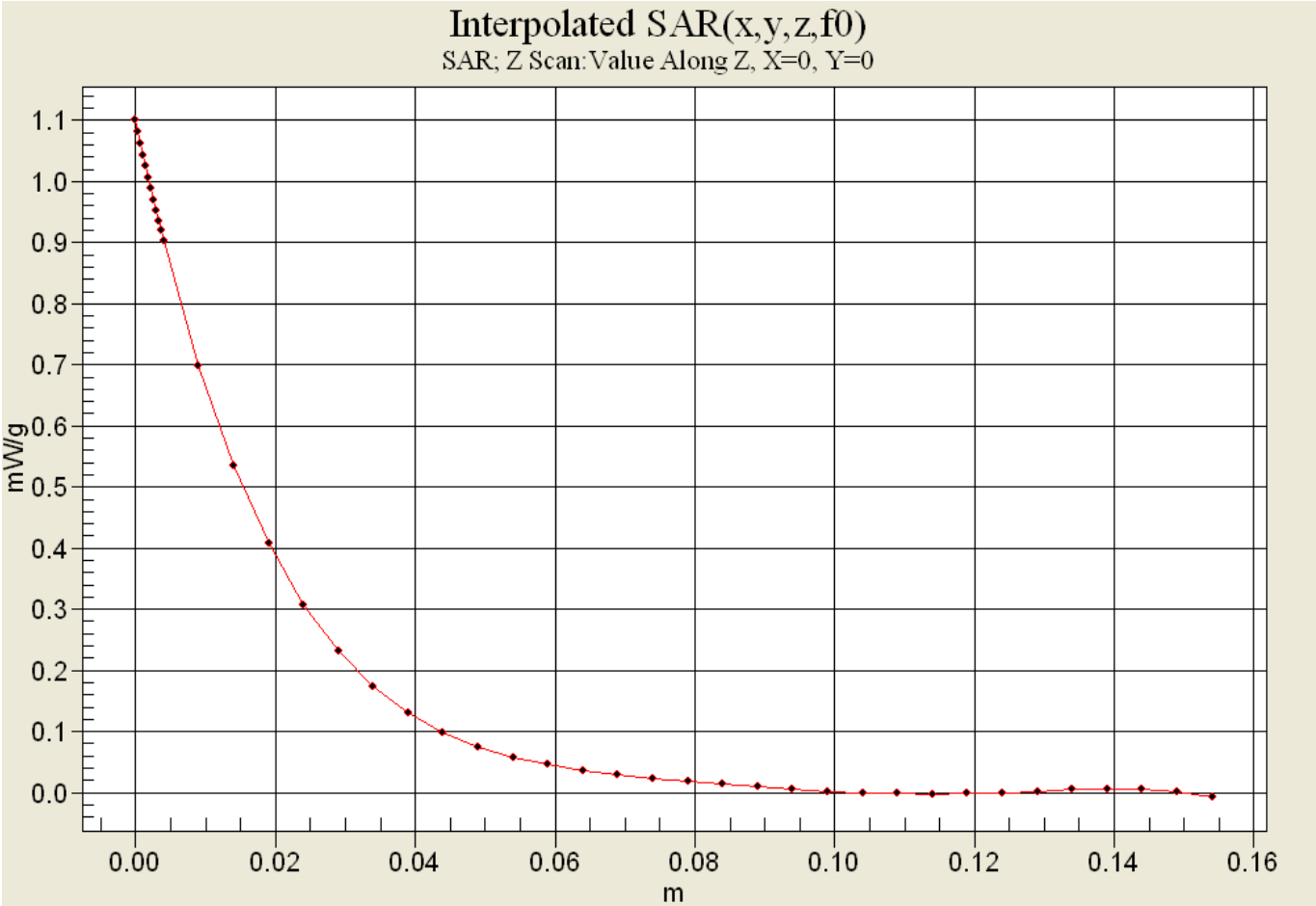
FCC S2150 CELL Flat with 15mm Air Space, Face Down Ch. 384, Closed
Communication System: CDMA-800, Frequency: 836.52 MHz, Duty Cycle: 1:1
Medium: M800,Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.94 mho/m; ε_r = 54.6; ρ = 1000 kg/m^3
Phantom: SAM 12,Phantom section: Flat Section
DASY4 Configuration:
Probe: ES3DV3 - SN3036, ConvF(5.83, 5.83, 5.83), Calibrated: 5/29/2012
Sensor-Surface: 4mm (Mechanical Surface Detection),
Electronics: DAE4 Sn603,Calibrated: 9/27/2011
Measurement SW: DASY4, V4.7 Build 80
Postprocessing SW: SEMCAD, V1.8 Build 186
Temperature:
Room T = 21.8 □□□ 1 deg C, Liquid T = 22.0 □□□ 1 deg C

CDMA-800 FLAT - Face Down Ch384/Area Scan (51x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.21 mW/g

CDMA-800 FLAT - Face Down Ch384/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 31.8 V/m; Power Drift = 0.052 dB
Peak SAR (extrapolated) = 1.51 W/kg
SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.792 mW/g
Maximum value of SAR (measured) = 1.20 mW/g



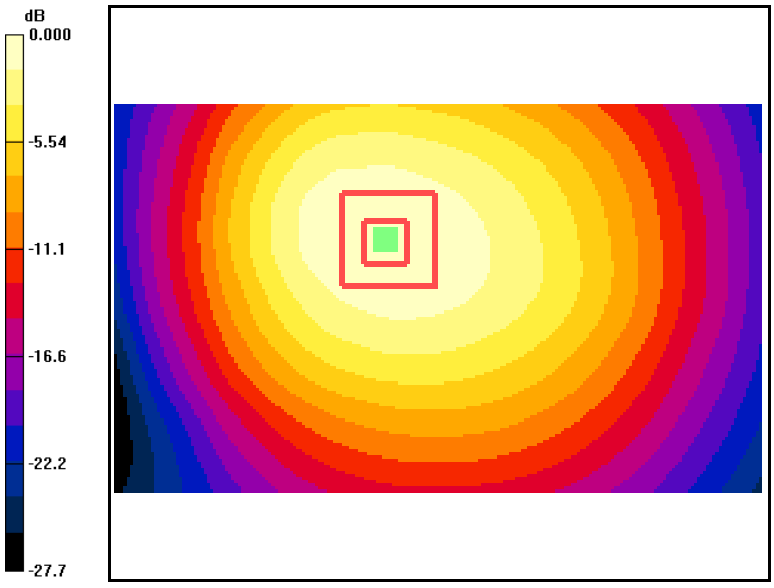
0 dB = 1.21mW/g



FCC S2150 CELL Flat with 15mm Air Space, Face Down Ch. 777, Closed
Communication System: CDMA-800, Frequency: 848.31 MHz, Duty Cycle: 1:1
Medium: M800,Medium parameters used (interpolated): f = 848.31 MHz; σ = 0.94 mho/m; ε_r = 54.6; ρ = 1000 kg/m^3
Phantom: SAM 12,Phantom section: Flat Section
DASY4 Configuration:
Probe: ES3DV3 - SN3036, ConvF(5.83, 5.83, 5.83), Calibrated: 5/29/2012
Sensor-Surface: 4mm (Mechanical Surface Detection),
Electronics: DAE4 Sn603,Calibrated: 9/27/2011
Measurement SW: DASY4, V4.7 Build 80
Postprocessing SW: SEMCAD, V1.8 Build 186
Temperature:
Room T = 21.8 □□□ 1 deg C, Liquid T = 22.0 □□□ 1 deg C

CDMA-800 FLAT Face Down Ch777/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.33 mW/g

CDMA-800 FLAT Face Down Ch777/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 33.1 V/m; Power Drift = 0.001 dB
Peak SAR (extrapolated) = 1.66 W/kg
SAR(1 g) = 1.23 mW/g; SAR(10 g) = 0.861 mW/g
Maximum value of SAR (measured) = 1.31 mW/g

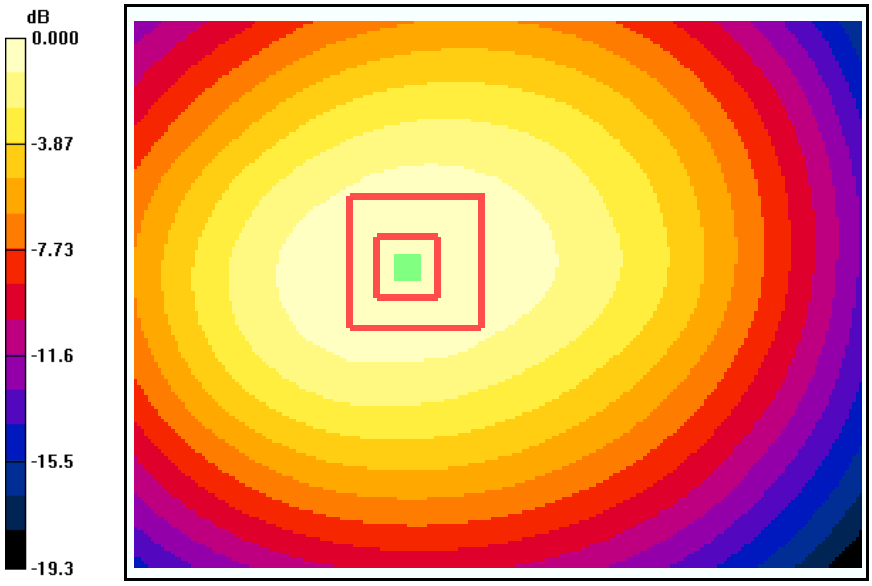


0 dB = 1.33mW/g

FCC S2150 CELL Flat with 15mm Air Space, Face Up Ch. 384, Closed
Communication System: CDMA-800, Frequency: 836.52 MHz, Duty Cycle: 1:1
Medium: M800,Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.94 mho/m; ε_r = 54.6; ρ = 1000 kg/m^3
Phantom: SAM 12,Phantom section: Flat Section
DASY4 Configuration:
Probe: ES3DV3 - SN3036, ConvF(5.83, 5.83, 5.83), Calibrated: 5/29/2012
Sensor-Surface: 4mm (Mechanical Surface Detection),
Electronics: DAE4 Sn603,Calibrated: 9/27/2011
Measurement SW: DASY4, V4.7 Build 80
Postprocessing SW: SEMCAD, V1.8 Build 186
Temperature:
Room T = 21.8 □□□ 1 deg C, Liquid T = 22.0 □□□ 1 deg C

CDMA-800 FLAT - Face Up Ch384/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.522 mW/g

CDMA-800 FLAT - Face Up Ch384/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 22.8 V/m; Power Drift = 0.013 dB
Peak SAR (extrapolated) = 0.645 W/kg
SAR(1 g) = 0.492 mW/g; SAR(10 g) = 0.356 mW/g
Maximum value of SAR (measured) = 0.522 mW/g

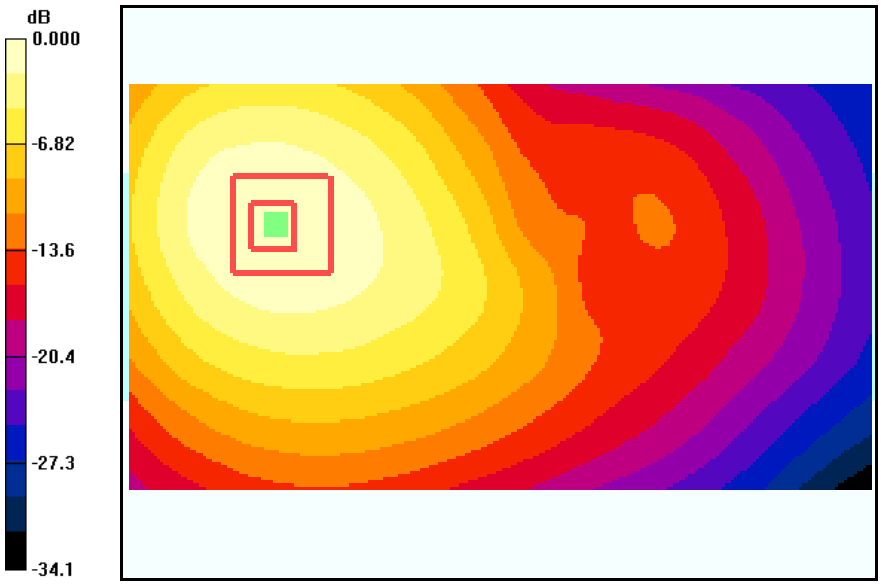


0 dB = 0.522mW/g

FCC S2150 CELL Flat with 15mm Air Space, Face Down Ch. 1013, Open
Communication System: CDMA-800, Frequency: 824.7 MHz, Duty Cycle: 1:1
Medium: M800,Medium parameters used (interpolated): f = 824.7 MHz; σ = 0.94 mho/m; ε_r = 54.6; ρ = 1000 kg/m^3
Phantom: SAM 12,Phantom section: Flat Section
DASY4 Configuration:
Probe: ES3DV3 - SN3036, ConvF(5.83, 5.83, 5.83), Calibrated: 5/29/2012
Sensor-Surface: 4mm (Mechanical Surface Detection),
Electronics: DAE4 Sn603,Calibrated: 9/27/2011
Measurement SW: DASY4, V4.7 Build 80
Postprocessing SW: SEMCAD, V1.8 Build 186
Temperature:
Room T = 21.8 □□□ 1 deg C, Liquid T = 22.0 □□□ 1 deg C

CDMA-800 FLAT Face Down Ch1013/Area Scan (61x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.727 mW/g

CDMA-800 FLAT Face Down Ch1013/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 13.3 V/m; Power Drift = 0.198 dB
Peak SAR (extrapolated) = 0.917 W/kg
SAR(1 g) = 0.664 mW/g; SAR(10 g) = 0.456 mW/g
Maximum value of SAR (measured) = 0.714 mW/g

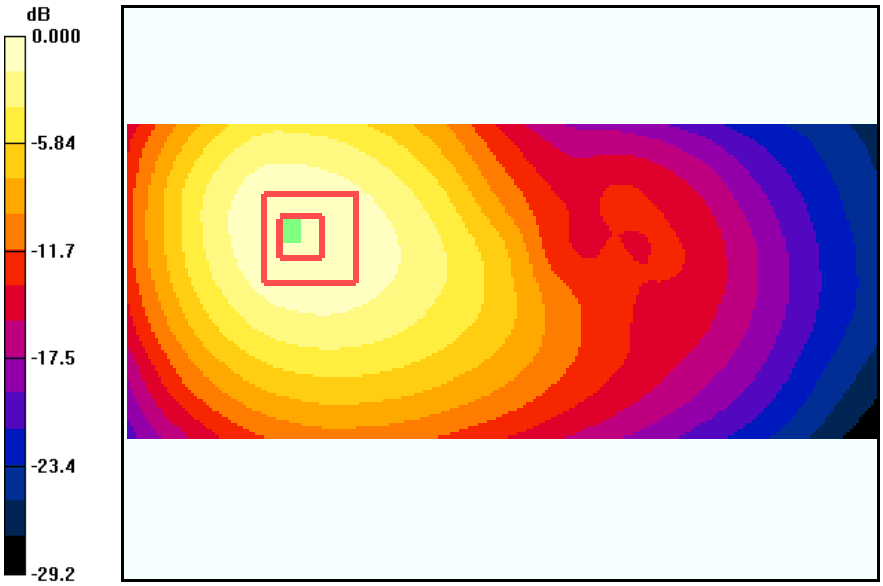


0 dB = 0.727mW/g

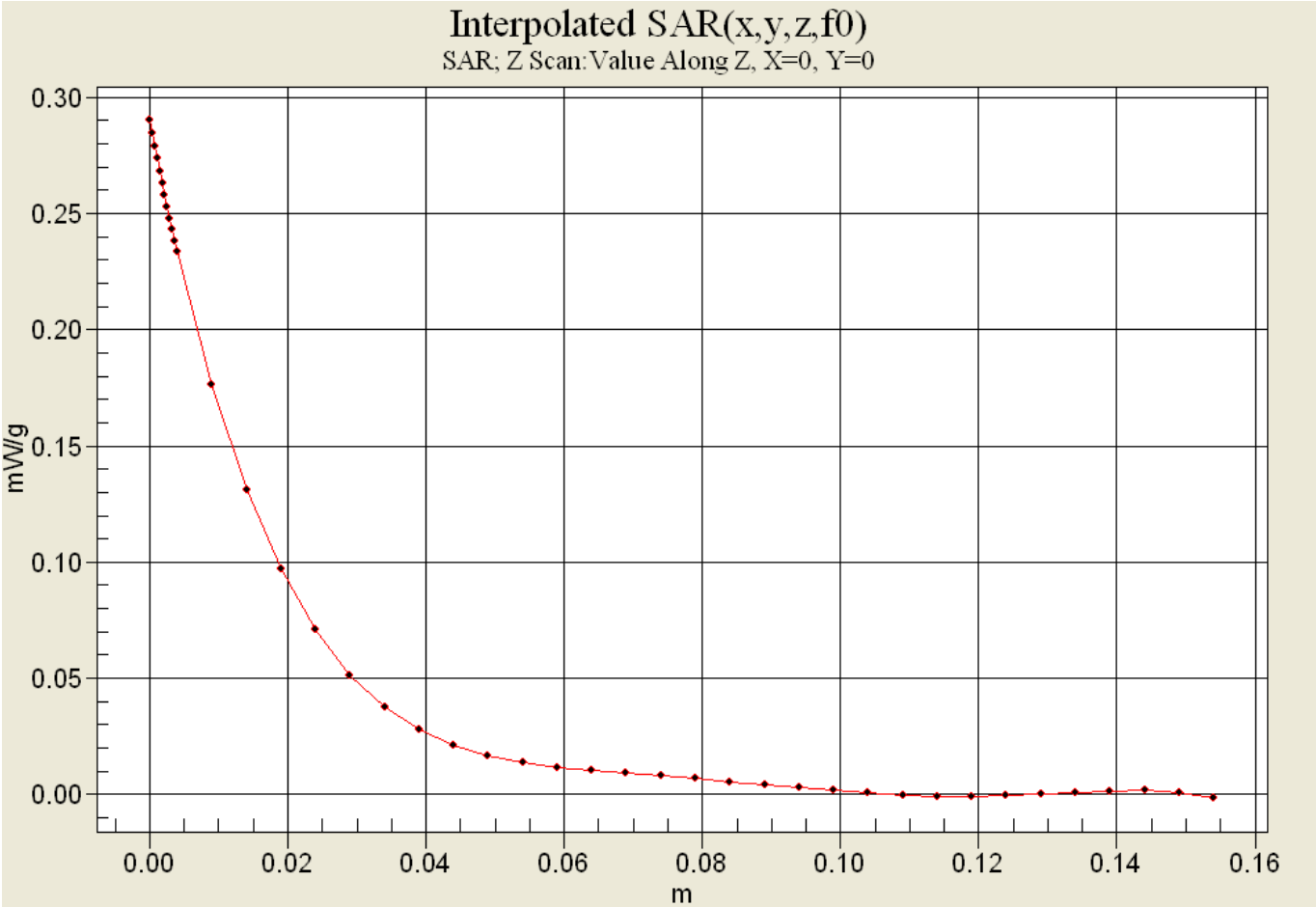
FCC S2150 CELL Flat with 15mm Air Space, Face Down Ch. 384, Open
Communication System: CDMA-800, Frequency: 836.52 MHz, Duty Cycle: 1:1
Medium: M800,Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.94 mho/m; ε_r = 54.6; ρ = 1000 kg/m^3
Phantom: SAM 12,Phantom section: Flat Section
DASY4 Configuration:
Probe: ES3DV3 - SN3036, ConvF(5.83, 5.83, 5.83), Calibrated: 5/29/2012
Sensor-Surface: 4mm (Mechanical Surface Detection),
Electronics: DAE4 Sn603,Calibrated: 9/27/2011
Measurement SW: DASY4, V4.7 Build 80
Postprocessing SW: SEMCAD, V1.8 Build 186
Temperature:
Room T = 21.8 □□□ 1 deg C, Liquid T = 22.0 □□□ 1 deg C

CDMA-800 FLAT - Face Down Ch384/Area Scan (51x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.18 mW/g

CDMA-800 FLAT - Face Down Ch384/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 16.4 V/m; Power Drift = 0.121 dB
Peak SAR (extrapolated) = 1.52 W/kg
SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.757 mW/g
Maximum value of SAR (measured) = 1.18 mW/g



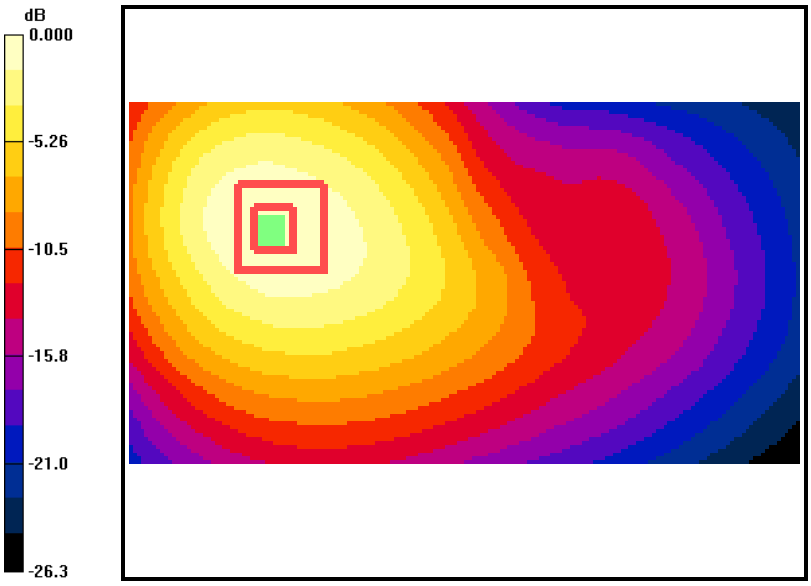
0 dB = 1.18mW/g



FCC S2150 CELL Flat with 15mm Air Space, Face Down Ch. 777, Open
Communication System: CDMA-800, Frequency: 848.31 MHz, Duty Cycle: 1:1
Medium: M800,Medium parameters used (interpolated): f = 848.31 MHz; σ = 0.94 mho/m; ε_r = 54.6; ρ = 1000 kg/m^3
Phantom: SAM 12,Phantom section: Flat Section
DASY4 Configuration:
Probe: ES3DV3 - SN3036, ConvF(5.83, 5.83, 5.83), Calibrated: 5/29/2012
Sensor-Surface: 4mm (Mechanical Surface Detection),
Electronics: DAE4 Sn603,Calibrated: 9/27/2011
Measurement SW: DASY4, V4.7 Build 80
Postprocessing SW: SEMCAD, V1.8 Build 186
Temperature:
Room T = 21.8 □□□ 1 deg C, Liquid T = 22.0 □□□ 1 deg C

CDMA-800 FLAT Face Down Ch777/Area Scan (61x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.38 mW/g

CDMA-800 FLAT Face Down Ch777/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 20.2 V/m; Power Drift = -0.045 dB
Peak SAR (extrapolated) = 1.74 W/kg
SAR(1 g) = 1.26 mW/g; SAR(10 g) = 0.875 mW/g
Maximum value of SAR (measured) = 1.37 mW/g



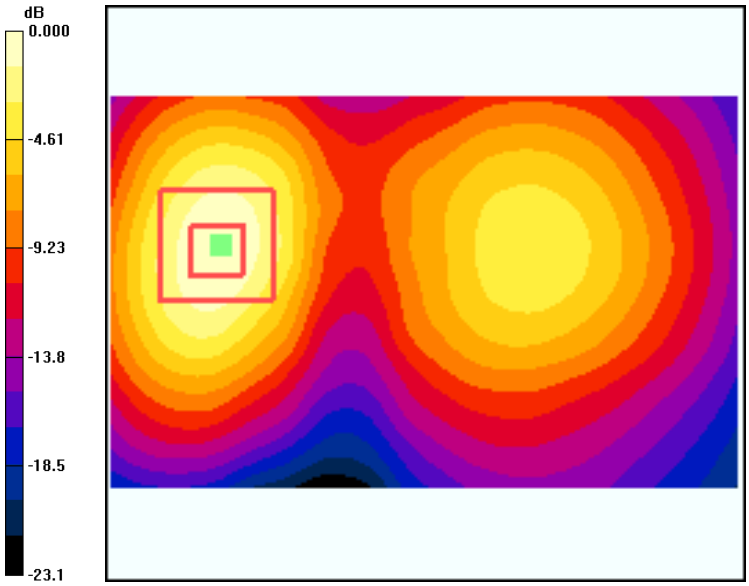
0 dB = 1.38mW/g

AWS

FCC S2150 CDMA-1700 Flat with 15mm Air Space, Face Down Ch. 25, Closed
Communication System: AWS-1700, Frequency: 1711.25 MHz, Duty Cycle: 1:1
Medium: M1700,Medium parameters used (interpolated): f = 1711.25 MHz; σ = 1.47 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Phantom: SAM 12,Phantom section: Flat Section
DASY4 Configuration:
Probe: ES3DV3 - SN3036, ConvF(4.7, 4.7, 4.7), Calibrated: 5/29/2012
Sensor-Surface: 4mm (Mechanical Surface Detection),
Electronics: DAE4 Sn603,Calibrated: 9/27/2011
Measurement SW: DASY4, V4.7 Build 80
Postprocessing SW: SEMCAD, V1.8 Build 186
Temperature:
Room T = 21.8 □□□ 1 deg C, Liquid T = 22.0 □□□ 1 deg C

CDMA-1700 FLAT Ch25/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.811 mW/g

CDMA-1700 FLAT Ch25/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.76 V/m; Power Drift = 0.062 dB
Peak SAR (extrapolated) = 1.26 W/kg
SAR(1 g) = 0.730 mW/g; SAR(10 g) = 0.388 mW/g
Maximum value of SAR (measured) = 0.829 mW/g

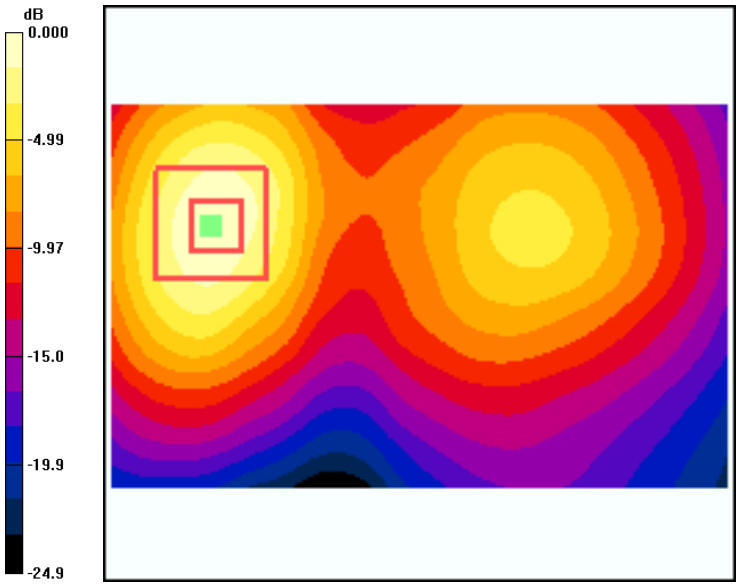


0 dB = 0.811mW/g

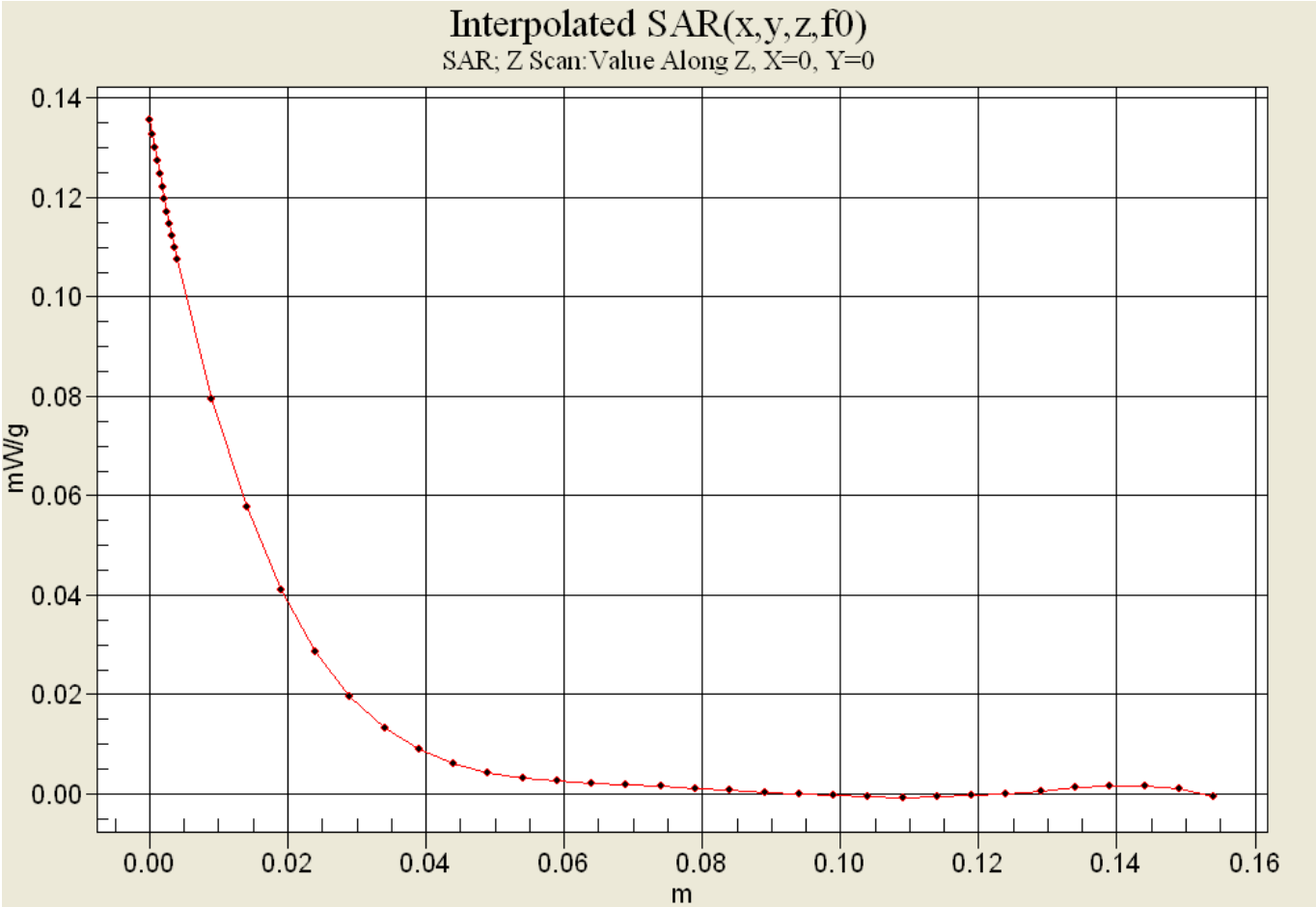
FCC S2150 CDMA-1700 Flat with 15mm Air Space, Face Down Ch. 450, Closed
Communication System: AWS-1700, Frequency: 1732.5 MHz, Duty Cycle: 1:1
Medium: M1700,Medium parameters used: f = 1732.5 MHz; σ = 1.47 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Phantom: SAM 12,Phantom section: Flat Section
DASY4 Configuration:
Probe: ES3DV3 - SN3036, ConvF(4.7, 4.7, 4.7), Calibrated: 5/29/2012
Sensor-Surface: 4mm (Mechanical Surface Detection),
Electronics: DAE4 Sn603,Calibrated: 9/27/2011
Measurement SW: DASY4, V4.7 Build 80
Postprocessing SW: SEMCAD, V1.8 Build 186
Temperature:
Room T = 21.8 □□□ 1 deg C, Liquid T = 22.0 □□□ 1 deg C

CDMA-1700 FLAT - Face Down Ch450/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.19 mW/g

CDMA-1700 FLAT - Face Down Ch450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.76 V/m; Power Drift = -0.086 dB
Peak SAR (extrapolated) = 1.83 W/kg
SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.558 mW/g
Maximum value of SAR (measured) = 1.18 mW/g



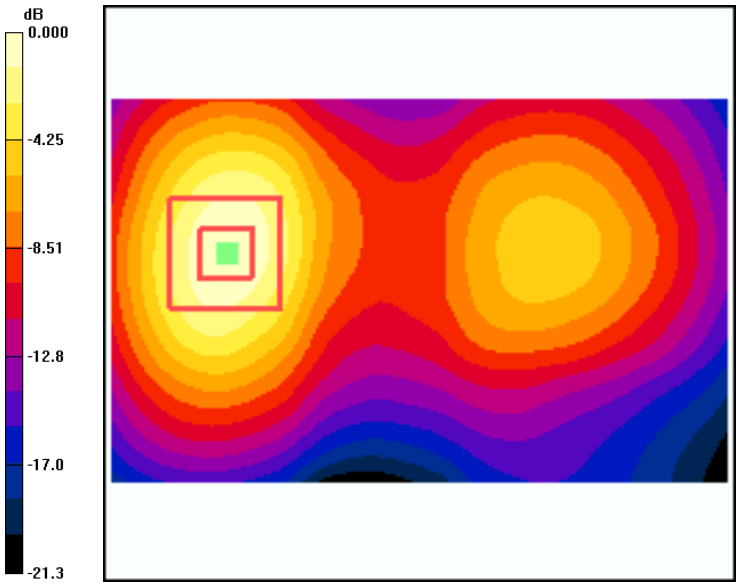
0 dB = 1.19mW/g



FCC S2150 CDMA-1700 Flat with 15mm Air Space, Face Down Ch. 875, Closed
Communication System: AWS-1700, Frequency: 1753.75 MHz, Duty Cycle: 1:1
Medium: M1700,Medium parameters used (interpolated): f = 1753.75 MHz; σ = 1.47 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Phantom: SAM 12,Phantom section: Flat Section
DASY4 Configuration:
Probe: ES3DV3 - SN3036, ConvF(4.7, 4.7, 4.7), Calibrated: 5/29/2012
Sensor-Surface: 4mm (Mechanical Surface Detection),
Electronics: DAE4 Sn603,Calibrated: 9/27/2011
Measurement SW: DASY4, V4.7 Build 80
Postprocessing SW: SEMCAD, V1.8 Build 186
Temperature:
Room T = 21.8 □□□ 1 deg C, Liquid T = 22.0 □□□ 1 deg C

CDMA-1700 FLAT Ch875/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.12 mW/g

CDMA-1700 FLAT Ch875/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.37 V/m; Power Drift = -0.115 dB
Peak SAR (extrapolated) = 1.73 W/kg
SAR(1 g) = 0.997 mW/g; SAR(10 g) = 0.534 mW/g
Maximum value of SAR (measured) = 1.13 mW/g



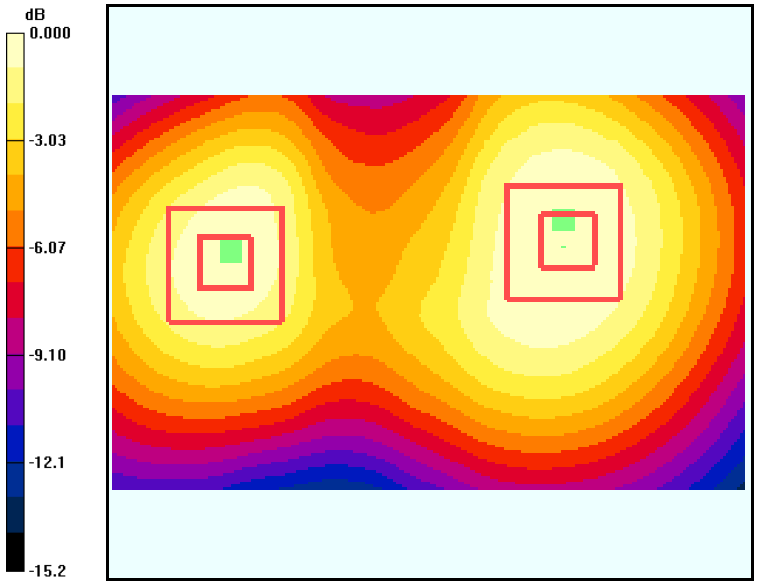
0 dB = 1.12mW/g

FCC S2150 CDMA-1700 Flat with 15mm Air Space, Face Up Ch. 450, Closed
Communication System: AWS-1700, Frequency: 1732.5 MHz, Duty Cycle: 1:1
Medium: M1700,Medium parameters used: f = 1732.5 MHz; σ = 1.47 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Phantom: SAM 12,Phantom section: Flat Section
DASY4 Configuration:
Probe: ES3DV3 - SN3036, ConvF(4.7, 4.7, 4.7), Calibrated: 5/29/2012
Sensor-Surface: 4mm (Mechanical Surface Detection),
Electronics: DAE4 Sn603,Calibrated: 9/27/2011
Measurement SW: DASY4, V4.7 Build 80
Postprocessing SW: SEMCAD, V1.8 Build 186
Temperature:
Room T = 21.8 □□□ 1 deg C, Liquid T = 22.0 □□□ 1 deg C

CDMA-1700 FLAT - Face Up Ch450/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.223 mW/g

CDMA-1700 FLAT - Face Up Ch450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.69 V/m; Power Drift = 0.199 dB
Peak SAR (extrapolated) = 0.299 W/kg
SAR(1 g) = 0.204 mW/g; SAR(10 g) = 0.134 mW/g
Maximum value of SAR (measured) = 0.218 mW/g

CDMA-1700 FLAT - Face Up Ch450/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.69 V/m; Power Drift = 0.199 dB
Peak SAR (extrapolated) = 0.306 W/kg
SAR(1 g) = 0.192 mW/g; SAR(10 g) = 0.115 mW/g
Maximum value of SAR (measured) = 0.207 mW/g

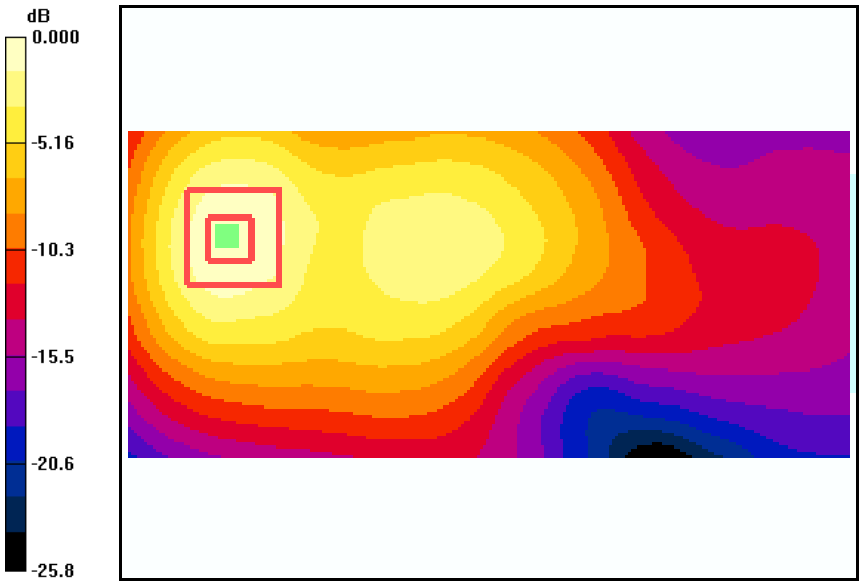


0 dB = 0.207mW/g

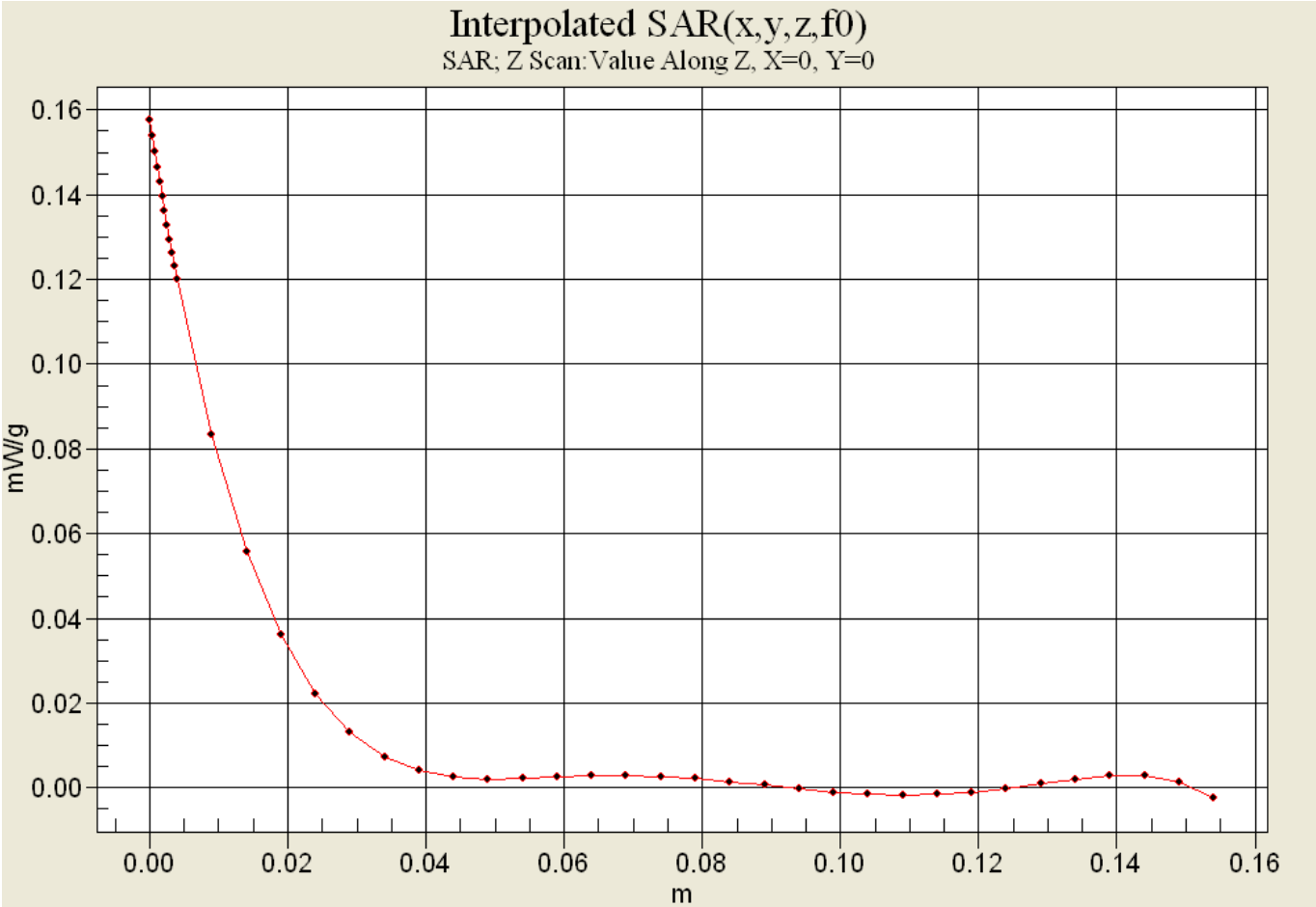
FCC S2150 CDMA-1700 Flat with 15mm Air Space, Face Down Ch. 450, Open
Communication System: AWS-1700, Frequency: 1732.5 MHz, Duty Cycle: 1:1
Medium: M1700,Medium parameters used: f = 1732.5 MHz; σ = 1.47 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Phantom: SAM 12,Phantom section: Flat Section
DASY4 Configuration:
Probe: ES3DV3 - SN3036, ConvF(4.7, 4.7, 4.7), Calibrated: 5/29/2012
Sensor-Surface: 4mm (Mechanical Surface Detection),
Electronics: DAE4 Sn603,Calibrated: 9/27/2011
Measurement SW: DASY4, V4.7 Build 80
Postprocessing SW: SEMCAD, V1.8 Build 186
Temperature:
Room T = 21.8 □□□ 1 deg C, Liquid T = 22.0 □□□ 1 deg C

CDMA-1700 FLAT - Face Down Ch450/Area Scan (51x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.437 mW/g

CDMA-1700 FLAT - Face Down Ch450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.36 V/m; Power Drift = 0.001 dB
Peak SAR (extrapolated) = 0.720 W/kg
SAR(1 g) = 0.412 mW/g; SAR(10 g) = 0.224 mW/g
Maximum value of SAR (measured) = 0.458 mW/g



0 dB = 0.437mW/g

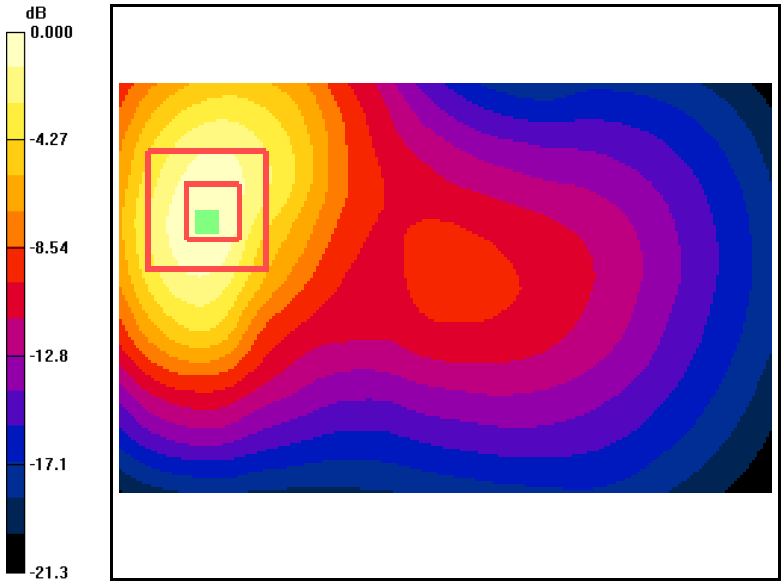


PCS

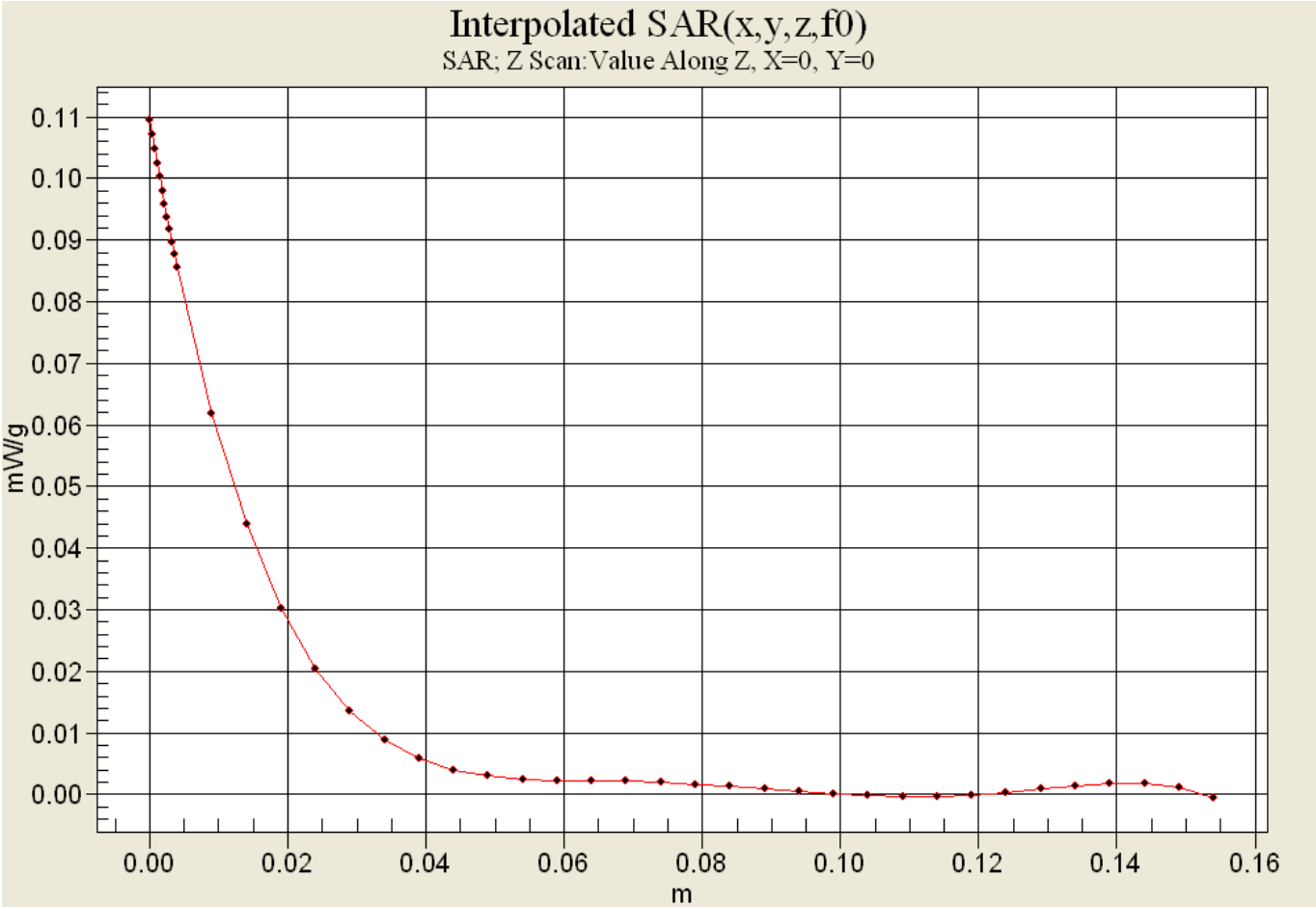
FCC S2150 PCS Flat with 15mm Air Space, Face Down Ch. 1175, Closed
Communication System: CDMA-1900, Frequency: 1908.75 MHz, Duty Cycle: 1:1
Medium: M1800,Medium parameters used (interpolated): f = 1908.75 MHz; σ = 1.53 mho/m; ε_r = 51.6; ρ = 1000 kg/m^3
Phantom: SAM 12,Phantom section: Flat Section
DASY4 Configuration:
Probe: ES3DV3 - SN3078, ConvF(4.55, 4.55, 4.55), Calibrated: 7/19/2012
Sensor-Surface: 4mm (Mechanical Surface Detection),
Electronics: DAE4 Sn675,Calibrated: 5/23/2012
Measurement SW: DASY4, V4.7 Build 80
Postprocessing SW: SEMCAD, V1.8 Build 186
Temperature:
Room T = 21.8 □□□ 1 deg C, Liquid T = 22.0 □□□ 1 deg C

CDMA-1900 FLAT Face Down Ch1175/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.748 mW/g

CDMA-1900 FLAT Face Down Ch1175/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.80 V/m; Power Drift = -0.119 dB
Peak SAR (extrapolated) = 1.15 W/kg
SAR(1 g) = 0.678 mW/g; SAR(10 g) = 0.358 mW/g
Maximum value of SAR (measured) = 0.755 mW/g



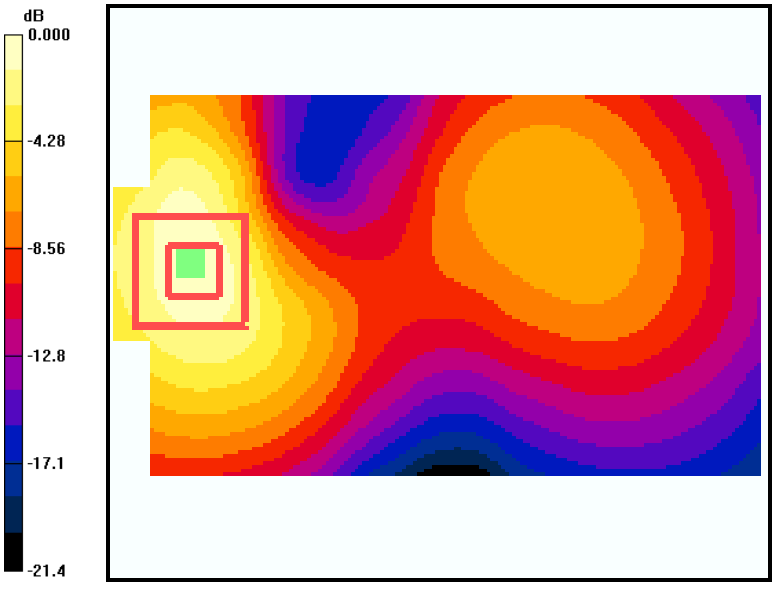
0 dB = 0.748mW/g



FCC S2150 PCS Flat with 15mm Air Space, Face Up Ch. 1175, Closed
Communication System: CDMA-1900, Frequency: 1908.75 MHz, Duty Cycle: 1:1
Medium: M1800,Medium parameters used (interpolated): f = 1908.75 MHz; σ = 1.53 mho/m; ε_r = 51.6; ρ = 1000 kg/m^3
Phantom: SAM 12,Phantom section: Flat Section
DASY4 Configuration:
Probe: ES3DV3 - SN3078, ConvF(4.55, 4.55, 4.55), Calibrated: 7/19/2012
Sensor-Surface: 4mm (Mechanical Surface Detection),
Electronics: DAE4 Sn675,Calibrated: 5/23/2012
Measurement SW: DASY4, V4.7 Build 80
Postprocessing SW: SEMCAD, V1.8 Build 186
Temperature:
Room T = 21.8 □□□ 1 deg C, Liquid T = 22.0 □□□ 1 deg C

CDMA-1900 FLAT - Face Up Ch1175 Closed/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.166 mW/g

CDMA-1900 FLAT - Face Up Ch1175 Closed/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.15 V/m; Power Drift = 0.012 dB
Peak SAR (extrapolated) = 0.200 W/kg
SAR(1 g) = 0.128 mW/g; SAR(10 g) = 0.077 mW/g
Maximum value of SAR (measured) = 0.139 mW/g

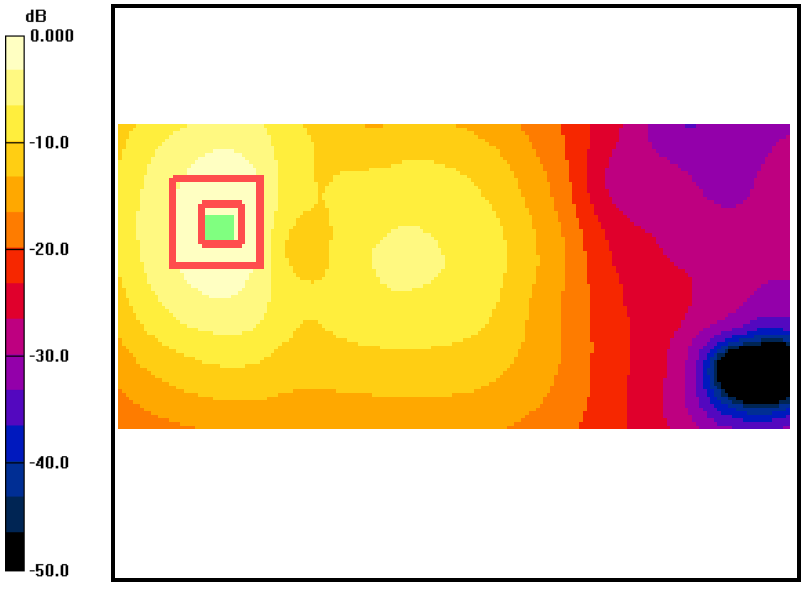


0 dB = 0.166mW/g

FCC S2150 PCS Flat with 15mm Air Space, Face Down Ch. 1175, Open
Communication System: CDMA-1900, Frequency: 1908.75 MHz, Duty Cycle: 1:1
Medium: M1800,Medium parameters used (interpolated): f = 1908.75 MHz; σ = 1.53 mho/m; ε_r = 51.6; ρ = 1000 kg/m^3
Phantom: SAM 12,Phantom section: Flat Section
DASY4 Configuration:
Probe: ES3DV3 - SN3078, ConvF(4.55, 4.55, 4.55), Calibrated: 7/19/2012
Sensor-Surface: 4mm (Mechanical Surface Detection),
Electronics: DAE4 Sn675,Calibrated: 5/23/2012
Measurement SW: DASY4, V4.7 Build 80
Postprocessing SW: SEMCAD, V1.8 Build 186
Temperature:
Room T = 21.8 □□□ 1 deg C, Liquid T = 22.0 □□□ 1 deg C

CDMA-1900 FLAT Face Down Ch1175/Area Scan (51x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.772 mW/g

CDMA-1900 FLAT Face Down Ch1175/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.75 V/m; Power Drift = -0.068 dB
Peak SAR (extrapolated) = 1.13 W/kg
SAR(1 g) = 0.667 mW/g; SAR(10 g) = 0.359 mW/g
Maximum value of SAR (measured) = 0.754 mW/g



0 dB = 0.772mW/g