APPENDIX A: SAR DISTRIBUTION COMPARISON FOR ACCURACY VERIFICATION

Date/Time: 9/7/2012 8:25:54 PM

Test Laboratory: RIM Testing Services

DipoleValidation_750MHz_09_07_12_Amb_Tem_22.6_Liq_Tem_23.8C

DUT: Dipole 750 MHz; Type: D750V3; Serial: D750V3 - SN:1021

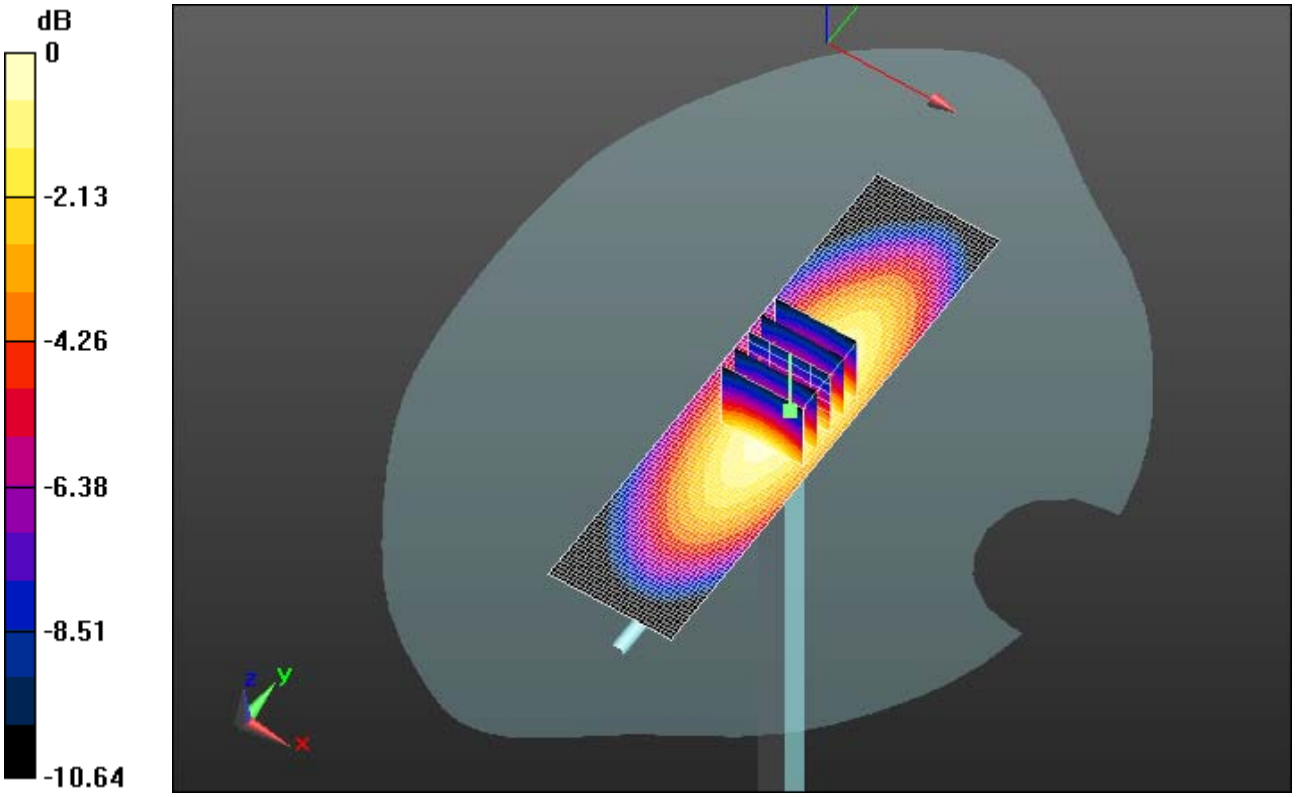
Communication System: CW; Frequency: 750 MHz
Medium parameters used: f = 750 MHz; σ = 0.9 mho/m; ε_r = 41.889; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.42, 6.42, 6.42); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/d=15mm, Pin=1000mW/Area Scan (31x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 9.267 mW/g

Configuration/d=15mm, Pin=1000mW/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 104.9 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 11.8150
SAR(1 g) = 7.92 mW/g; SAR(10 g) = 5.16 mW/g
Maximum value of SAR (measured) = 9.291 mW/g



0 dB = 9.290mW/g = 19.36 dB mW/g

Date/Time: 9/10/2012 10:01:58 AM

Test Laboratory: RIM Testing Services

DipoleValidation_750MHz_09_10_12_Amb_Tem_24.0_Liq_Tem_22.3C

DUT: Dipole 750 MHz; Type: D750V3; Serial: D750V3 - SN:1021

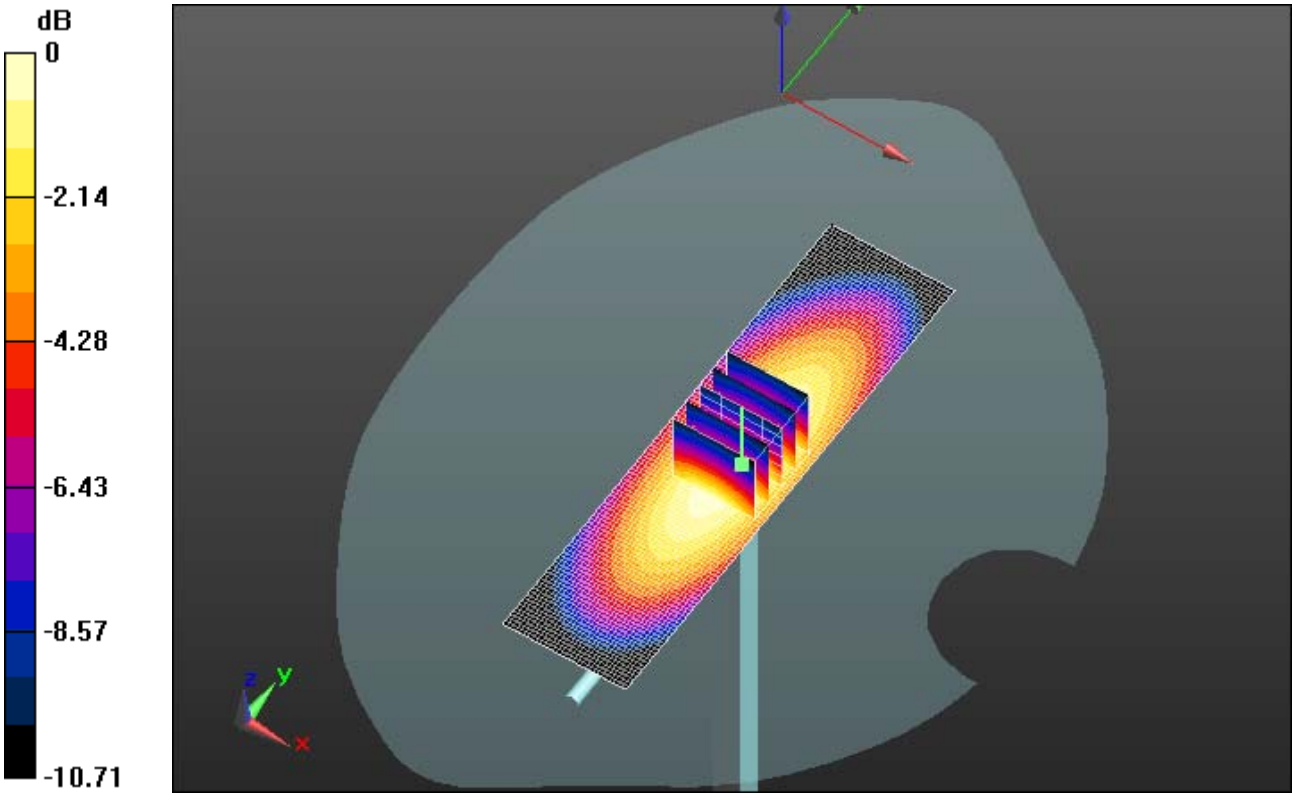
Communication System: CW; Frequency: 750 MHz
Medium parameters used: f = 750 MHz; σ = 0.9 mho/m; ε_r = 40.519; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.42, 6.42, 6.42); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/d=15mm, Pin=1000mW/Area Scan (31x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 9.286 mW/g

Configuration/d=15mm, Pin=1000mW/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 105.6 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 11.8500
SAR(1 g) = 7.96 mW/g; SAR(10 g) = 5.19 mW/g
Maximum value of SAR (measured) = 9.263 mW/g



0 dB = 9.260mW/g = 19.33 dB mW/g

Date/Time: 10/29/2012 11:15:48 AM

Test Laboratory: RIM Testing Services

DipoleValidation_750MHz_10_29_12_Amb_Tem_24.1_Liq_Tem_22.9C

DUT: Dipole 750 MHz; Type: D750V3; Serial: D750V3 - SN:1021

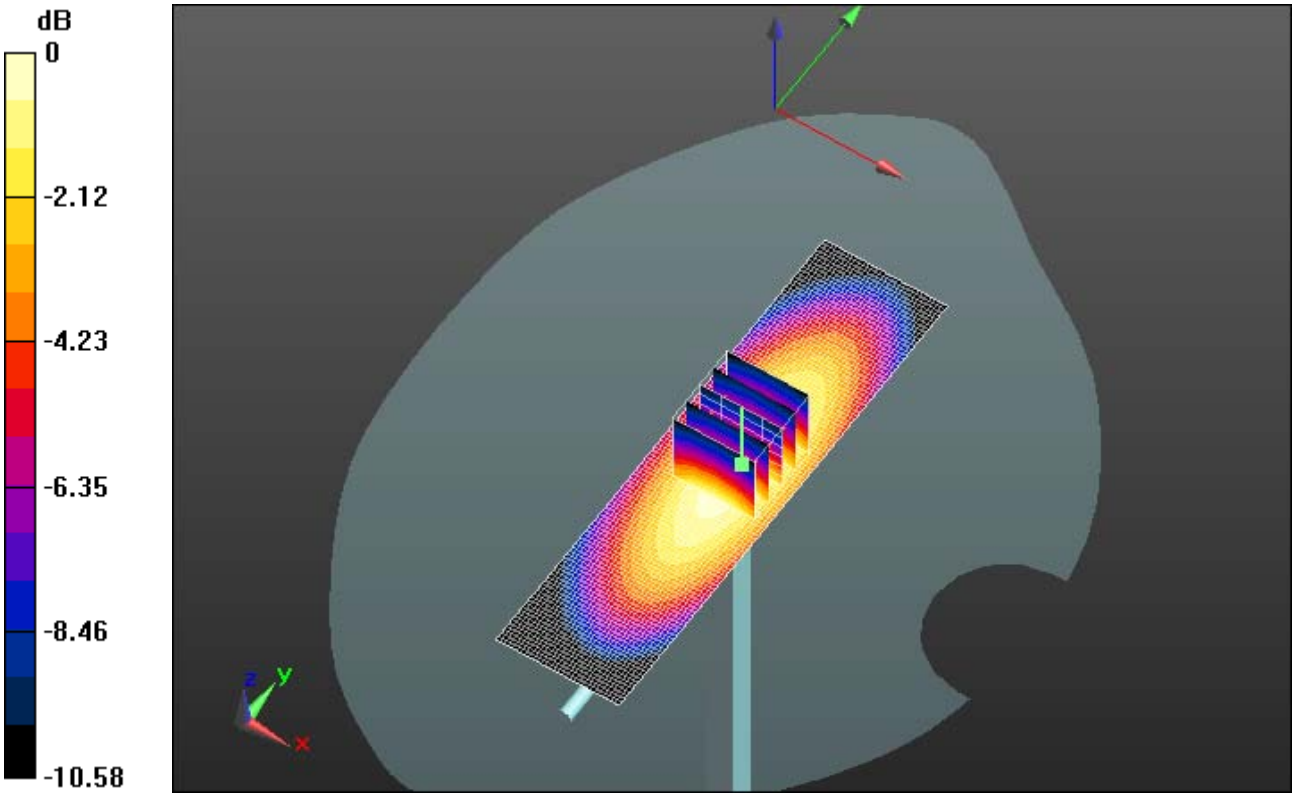
Communication System: CW; Frequency: 750 MHz
Medium parameters used: f = 750 MHz; σ = 0.91 mho/m; ε_r = 41.154; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.42, 6.42, 6.42); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/d=15mm, Pin=1000mW/Area Scan (31x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 8.996 mW/g

Configuration/d=15mm, Pin=1000mW/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 104.2 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 11.6390
SAR(1 g) = 7.79 mW/g; SAR(10 g) = 5.08 mW/g
Maximum value of SAR (measured) = 9.166 mW/g



0 dB = 9.170mW/g = 19.25 dB mW/g

Date/Time: 11/9/2012 11:27:54 AM

Test Laboratory: RIM Testing Services

DipoleValidation_750MHz_11_09_12_Amb_Tem_24.0_Liq_Tem_22.8C

DUT: Dipole 750 MHz; Type: D750V3; Serial: D750V3 - SN:1021

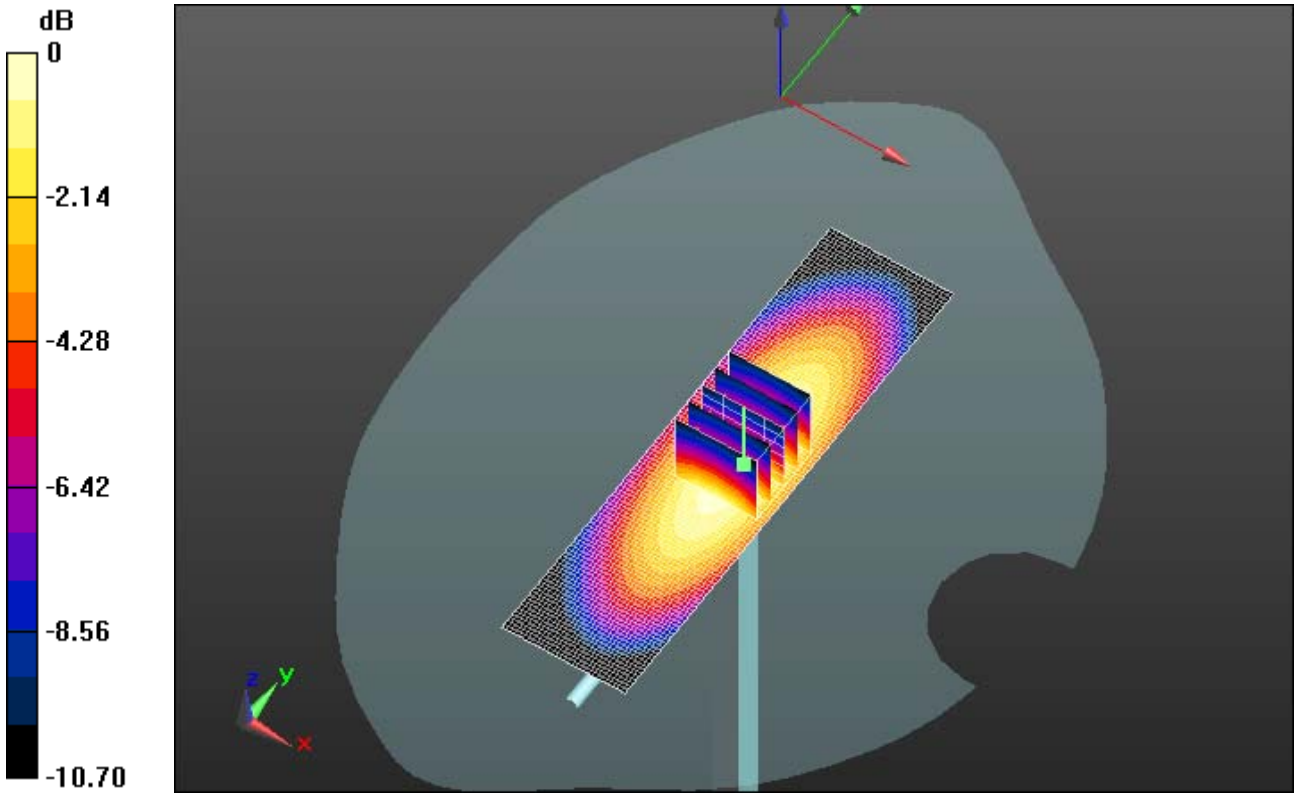
Communication System: CW; Frequency: 750 MHz
Medium parameters used: f = 750 MHz; σ = 0.905 mho/m; ε_r = 40.685; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.42, 6.42, 6.42); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/d=15mm, Pin=1000mW/Area Scan (31x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 9.181 mW/g

Configuration/d=15mm, Pin=1000mW/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 105.7 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 11.8520
SAR(1 g) = 7.95 mW/g; SAR(10 g) = 5.17 mW/g
Maximum value of SAR (measured) = 9.342 mW/g



0 dB = 9.340mW/g = 19.41 dB mW/g

Date/Time: 11/12/2012 9:33:38 AM

Test Laboratory: RIM Testing Services

DipoleValidation_750MHz_11_12_12_Amb_Tem_24.0_Liq_Tem_22.8C

DUT: Dipole 750 MHz; Type: D750V3; Serial: D750V3 - SN:1021

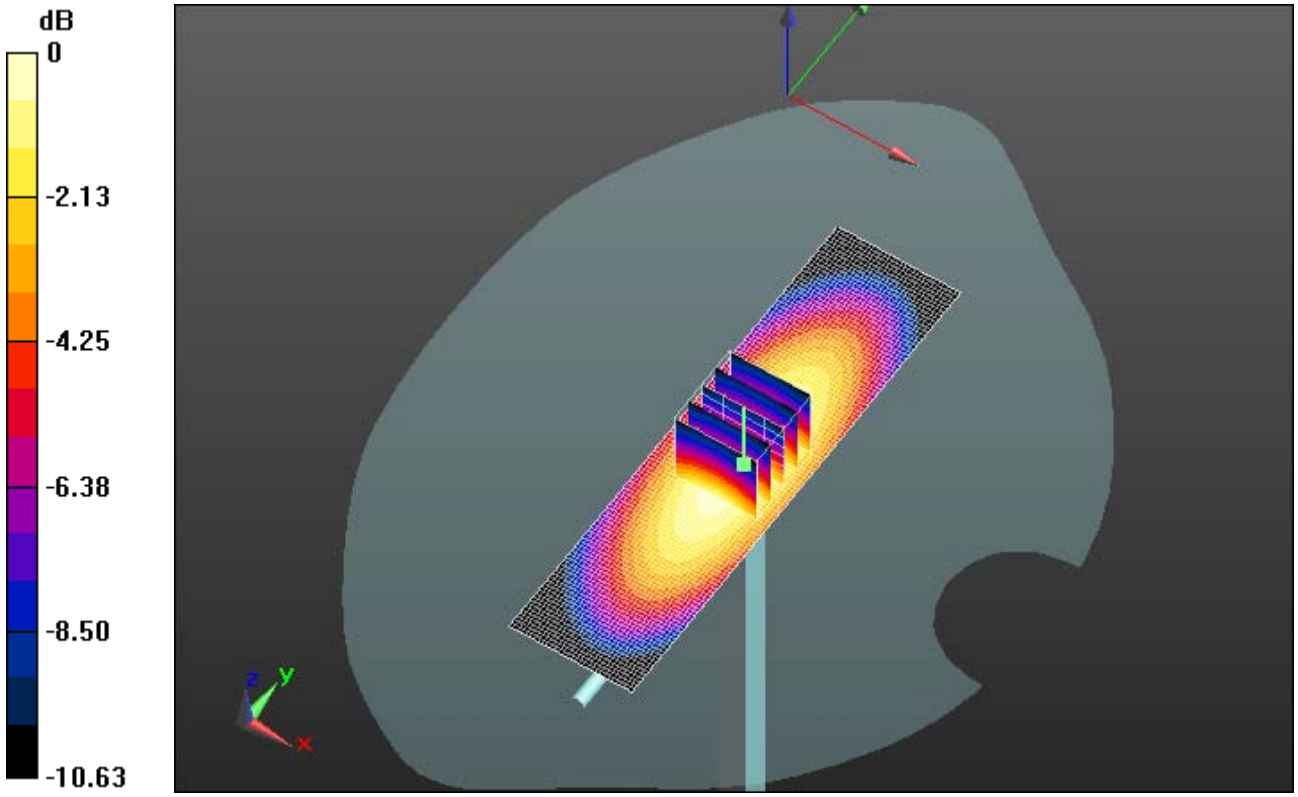
Communication System: CW; Frequency: 750 MHz
Medium parameters used: f = 750 MHz; σ = 0.881 mho/m; ε_r = 40.709; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.42, 6.42, 6.42); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/d=15mm, Pin=1000mW/Area Scan (31x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 9.173 mW/g

Configuration/d=15mm, Pin=1000mW/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 105.7 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 11.6430
SAR(1 g) = 7.83 mW/g; SAR(10 g) = 5.11 mW/g
Maximum value of SAR (measured) = 9.185 mW/g



0 dB = 9.190mW/g = 19.27 dB mW/g

Date/Time: 11/20/2012 10:42:54 AM

Test Laboratory: RIM Testing Services

DipoleValidation_750MHz_11_20_12_Amb_Tem_24.6_Liq_Tem_22.2C

DUT: Dipole 750 MHz; Type: D750V3; Serial: D750V3 - SN:1021

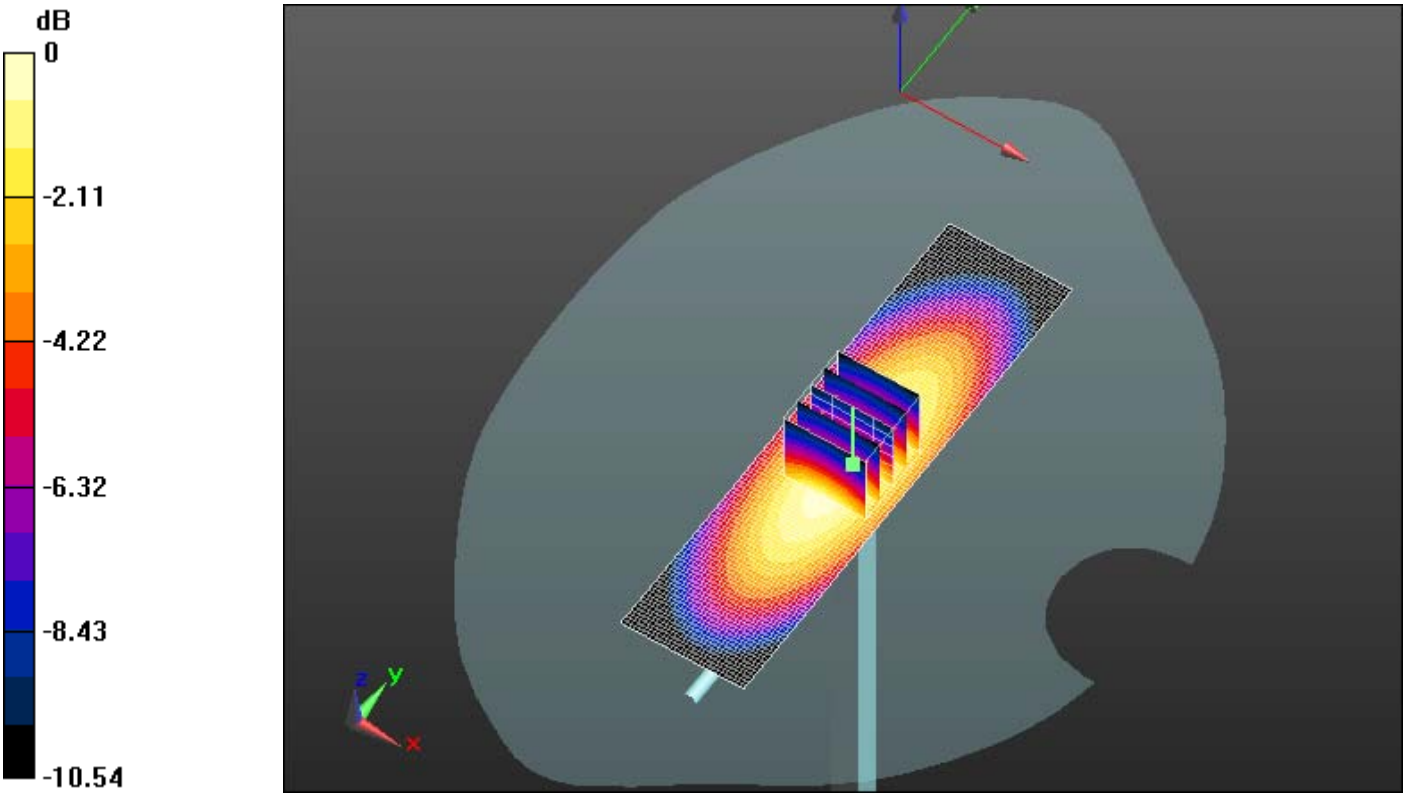
Communication System: CW; Frequency: 750 MHz
Medium parameters used: f = 750 MHz; σ = 0.899 mho/m; ε_r = 40.397; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.42, 6.42, 6.42); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/d=15mm, Pin=1000mW/Area Scan (31x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 8.889 mW/g

Configuration/d=15mm, Pin=1000mW/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 104.4 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 11.4550
SAR(1 g) = 7.71 mW/g; SAR(10 g) = 5.05 mW/g
Maximum value of SAR (measured) = 9.049 mW/g



0 dB = 9.050mW/g = 19.13 dB mW/g

Date/Time: 1/9/2013 10:01:21 PM

Test Laboratory: RIM Testing Services

DipoleValidation_750MHz_01_09_13_Amb_Tem_24.2_Liq_Tem_21.1C

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:4d043

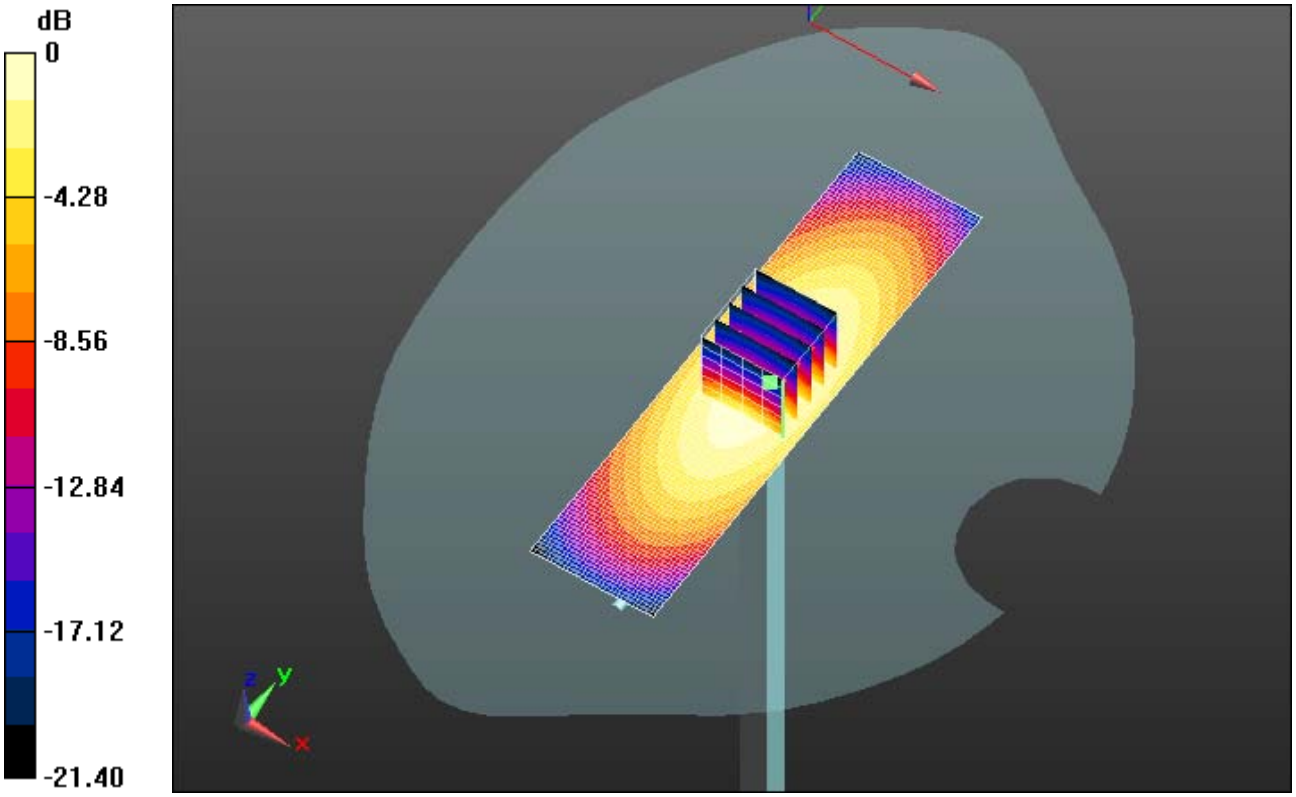
Communication System: CW; Frequency: 750 MHz
Medium parameters used: f = 750 MHz; σ = 0.877 S/m; ε_r = 40.789; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ET3DV6 - SN1644; ConvF(6.57, 6.57, 6.57); Calibrated: 11/13/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.7, 32.7
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

Configuration/d=15mm, Pin=1000mW/Area Scan (31x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 6.66 W/kg

Configuration/d=15mm, Pin=1000mW/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 90.547 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 9.11 W/kg
SAR(1 g) = 6.22 W/kg; SAR(10 g) = 4.05 W/kg
Maximum value of SAR (measured) = 6.76 W/kg



0 dB = 6.66 W/kg = 8.24 dBW/kg

Date/Time: 8/28/2012 3:09:13 PM

Test Laboratory: RIM Testing Services

DipoleValidation_835MHz_08_28_12_Amb_Tem_23.9_Liq_Tem_22.6C

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:446

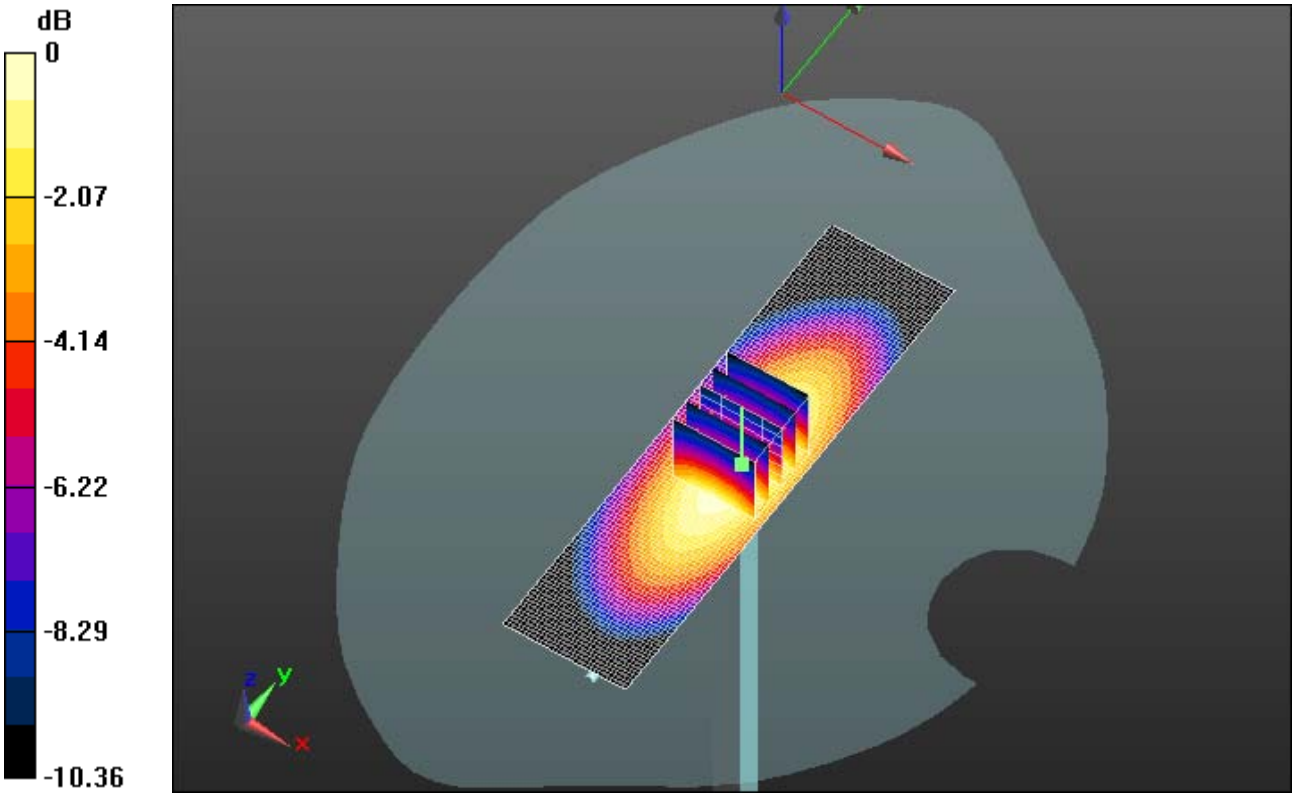
Communication System: CW; Frequency: 835 MHz
Medium parameters used: f = 835 MHz; σ = 0.933 mho/m; ε_r = 40.164; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/d=15mm, Pin=1000mW/Area Scan (31x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 11.301 mW/g

Configuration/d=15mm, Pin=1000mW/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 113.5 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 14.1730
SAR(1 g) = 9.69 mW/g; SAR(10 g) = 6.38 mW/g
Maximum value of SAR (measured) = 11.273 mW/g



0 dB = 11.270mW/g = 21.04 dB mW/g

Date/Time: 8/30/2012 6:49:10 PM

Test Laboratory: RIM Testing Services

DipoleValidation_835MHz_08_30_12_Amb_Tem_23.3_Liq_Tem_22.8C

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:446

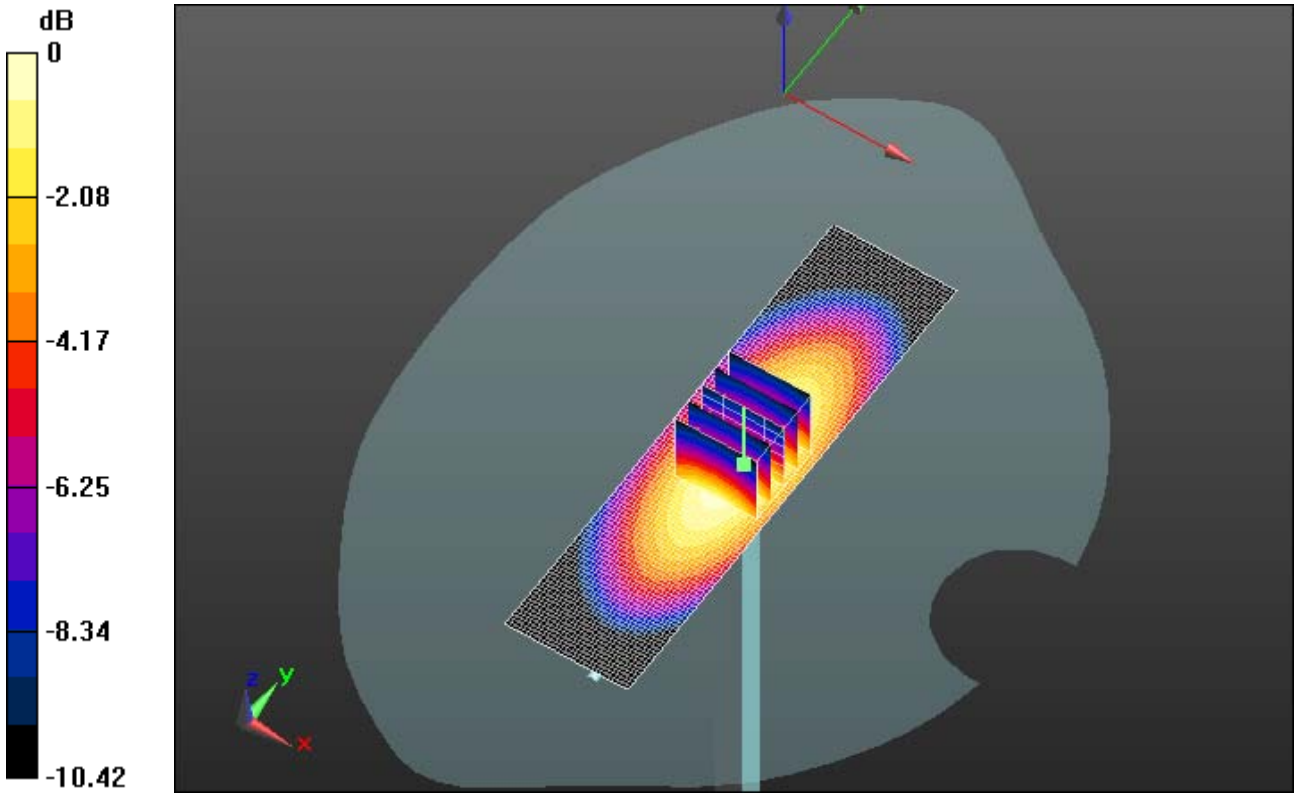
Communication System: CW; Frequency: 835 MHz
Medium parameters used: f = 835 MHz; σ = 0.87 mho/m; ε_r = 40.339; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/d=15mm, Pin=1000mW/Area Scan (31x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 10.678 mW/g

Configuration/d=15mm, Pin=1000mW/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 114.5 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 13.5070
SAR(1 g) = 9.2 mW/g; SAR(10 g) = 6.04 mW/g
Maximum value of SAR (measured) = 10.733 mW/g



0 dB = 10.730mW/g = 20.61 dB mW/g

Date/Time: 9/4/2012 11:00:32 AM

Test Laboratory: RIM Testing Services

DipoleValidation_835MHz_09_04_12_Amb_Tem_23.9_Liq_Tem_22.5C

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:446

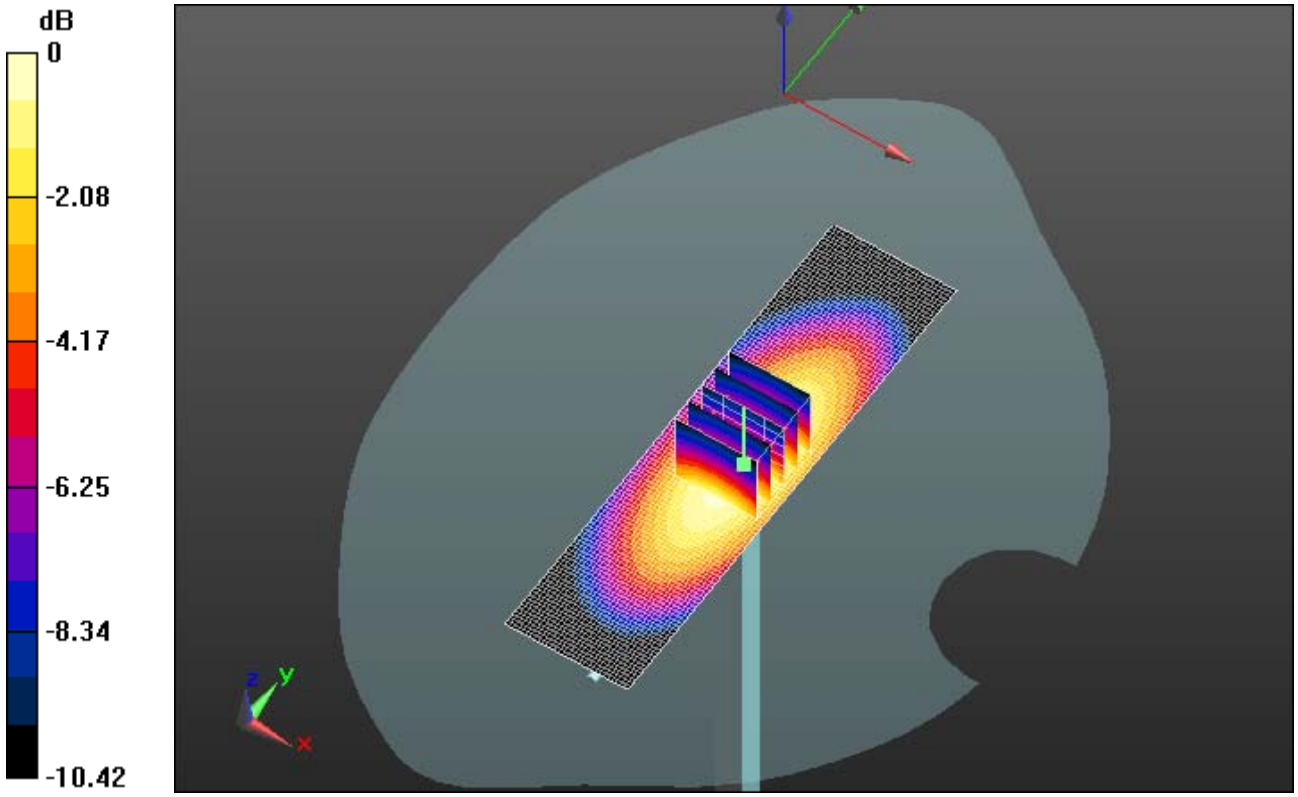
Communication System: CW; Frequency: 835 MHz
Medium parameters used: f = 835 MHz; σ = 0.923 mho/m; ε_r = 40.852; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/d=15mm, Pin=1000mW/Area Scan (31x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 10.997 mW/g

Configuration/d=15mm, Pin=1000mW/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 113.8 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 14.1250
SAR(1 g) = 9.57 mW/g; SAR(10 g) = 6.27 mW/g
Maximum value of SAR (measured) = 11.253 mW/g



0 dB = 11.250mW/g = 21.02 dB mW/g

Date/Time: 10/30/2012 12:00:24 PM

Test Laboratory: RIM Testing Services

DipoleValidation_835MHz_10_30_12_Amb_Tem_24.2_Liq_Tem_21.9C

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:446

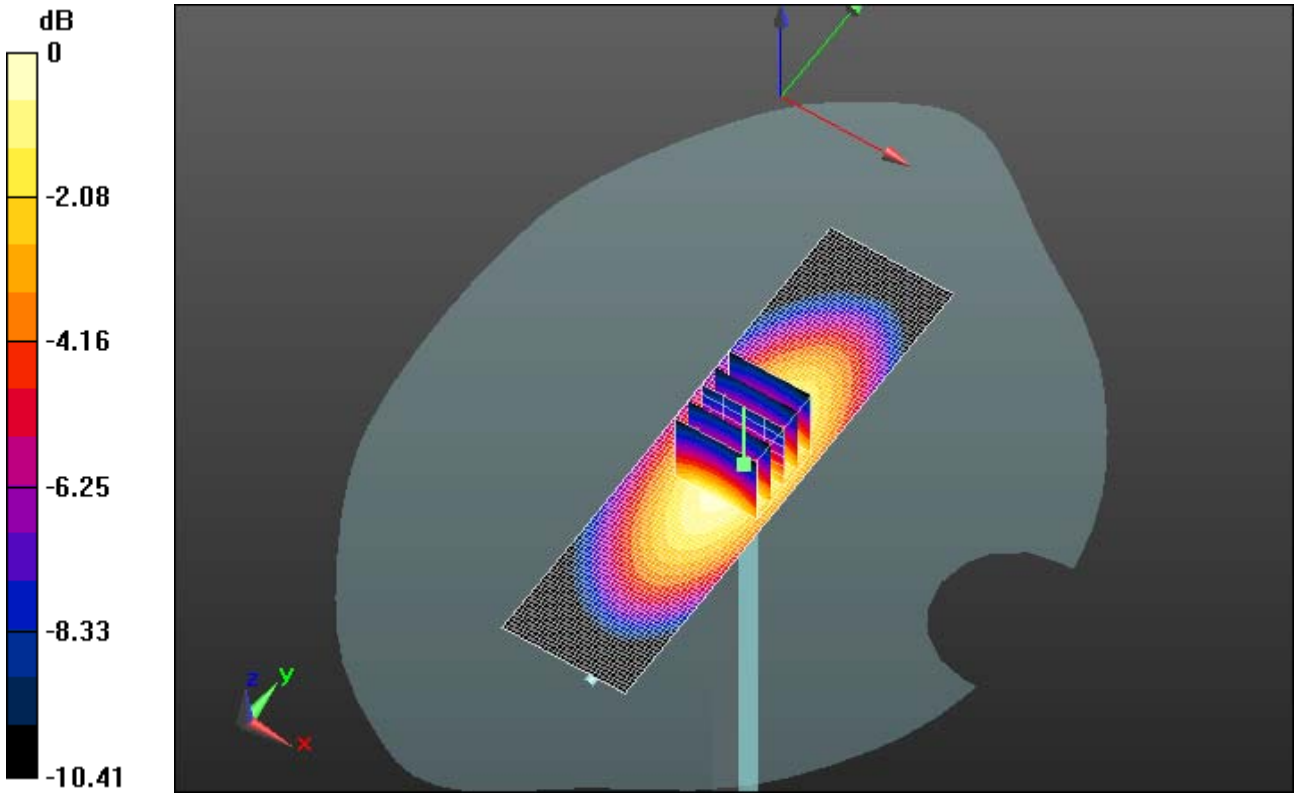
Communication System: CW; Frequency: 835 MHz
Medium parameters used: f = 835 MHz; σ = 0.883 mho/m; ε_r = 40.79; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/d=15mm, Pin=1000mW/Area Scan (31x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 10.555 mW/g

Configuration/d=15mm, Pin=1000mW/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 113.5 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 13.2970
SAR(1 g) = 9.09 mW/g; SAR(10 g) = 5.98 mW/g
Maximum value of SAR (measured) = 10.623 mW/g



0 dB = 10.620mW/g = 20.52 dB mW/g

Date/Time: 11/14/2012 1:03:45 PM

Test Laboratory: RIM Testing Services

DipoleValidation_835MHz_11_14_12_Amb_Tem_24.5_Liq_Tem_22.2C

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:446

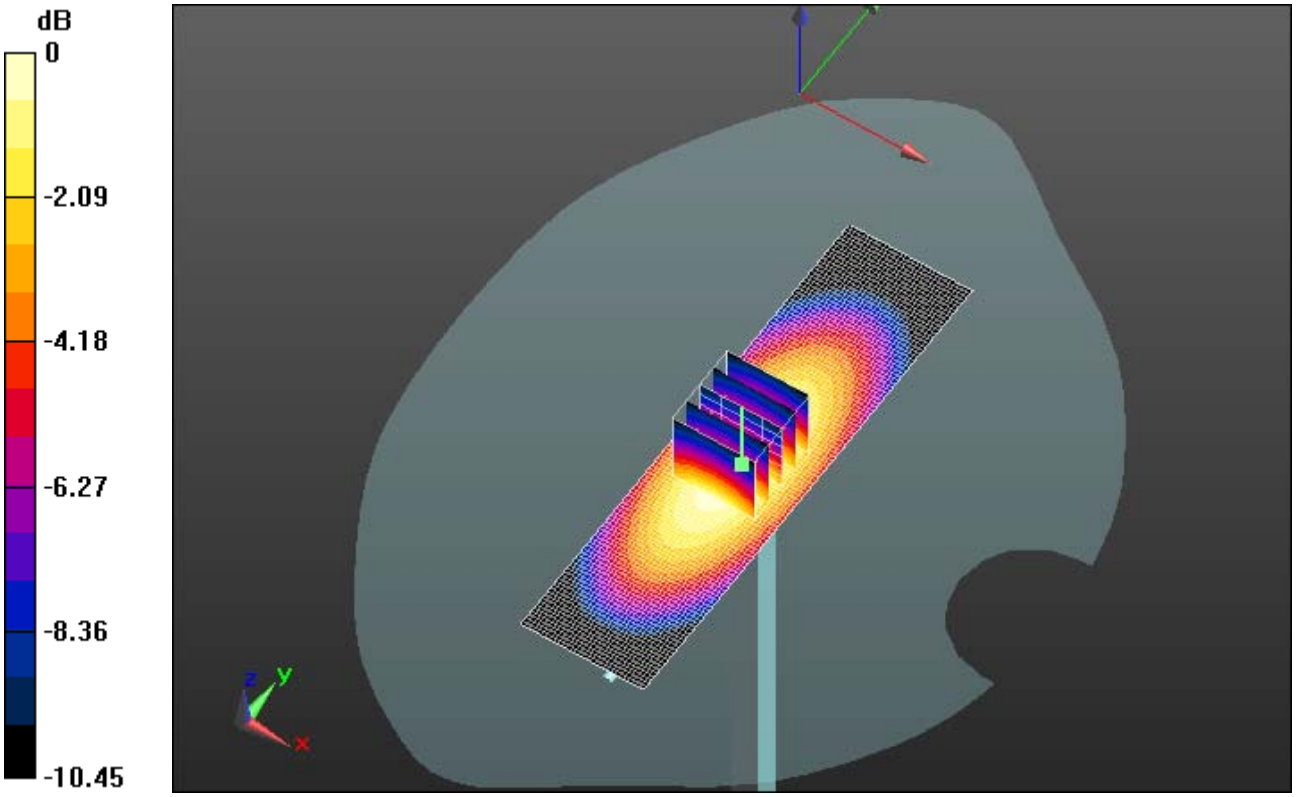
Communication System: CW; Frequency: 835 MHz
Medium parameters used: f = 835 MHz; σ = 0.911 mho/m; ε_r = 40.898; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/d=15mm, Pin=1000mW/Area Scan (31x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 10.875 mW/g

Configuration/d=15mm, Pin=1000mW/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 113.3 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 13.8820
SAR(1 g) = 9.49 mW/g; SAR(10 g) = 6.23 mW/g
Maximum value of SAR (measured) = 11.061 mW/g



0 dB = 11.060mW/g = 20.88 dB mW/g

Date/Time: 11/21/2012 10:00:42 AM

Test Laboratory: RIM Testing Services

DipoleValidation_835MHz_11_21_12_Amb_Tem_23.7_Liq_Tem_22.7C

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:446

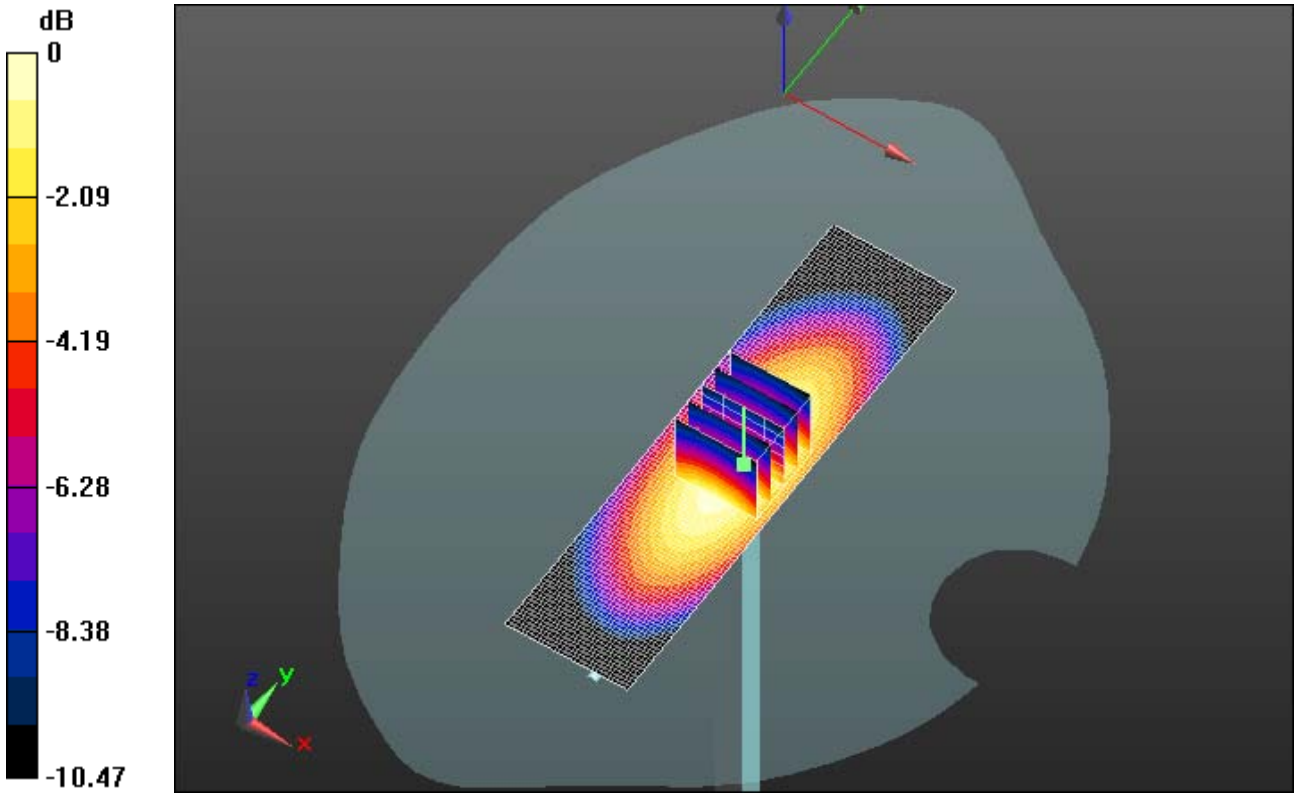
Communication System: CW; Frequency: 835 MHz
Medium parameters used: f = 835 MHz; σ = 0.896 mho/m; ε_r = 39.739; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/d=15mm, Pin=1000mW/Area Scan (31x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 10.722 mW/g

Configuration/d=15mm, Pin=1000mW/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 113.4 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 13.5270
SAR(1 g) = 9.2 mW/g; SAR(10 g) = 6.04 mW/g
Maximum value of SAR (measured) = 10.756 mW/g



0 dB = 10.760mW/g = 20.64 dB mW/g

Date/Time: 1/9/2013 2:26:52 AM

Test Laboratory: RIM Testing Services

DipoleValidation_835MHz_01_08_13_Amb_Tem_24.4_Liq_Tem_21.2C

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:4d043

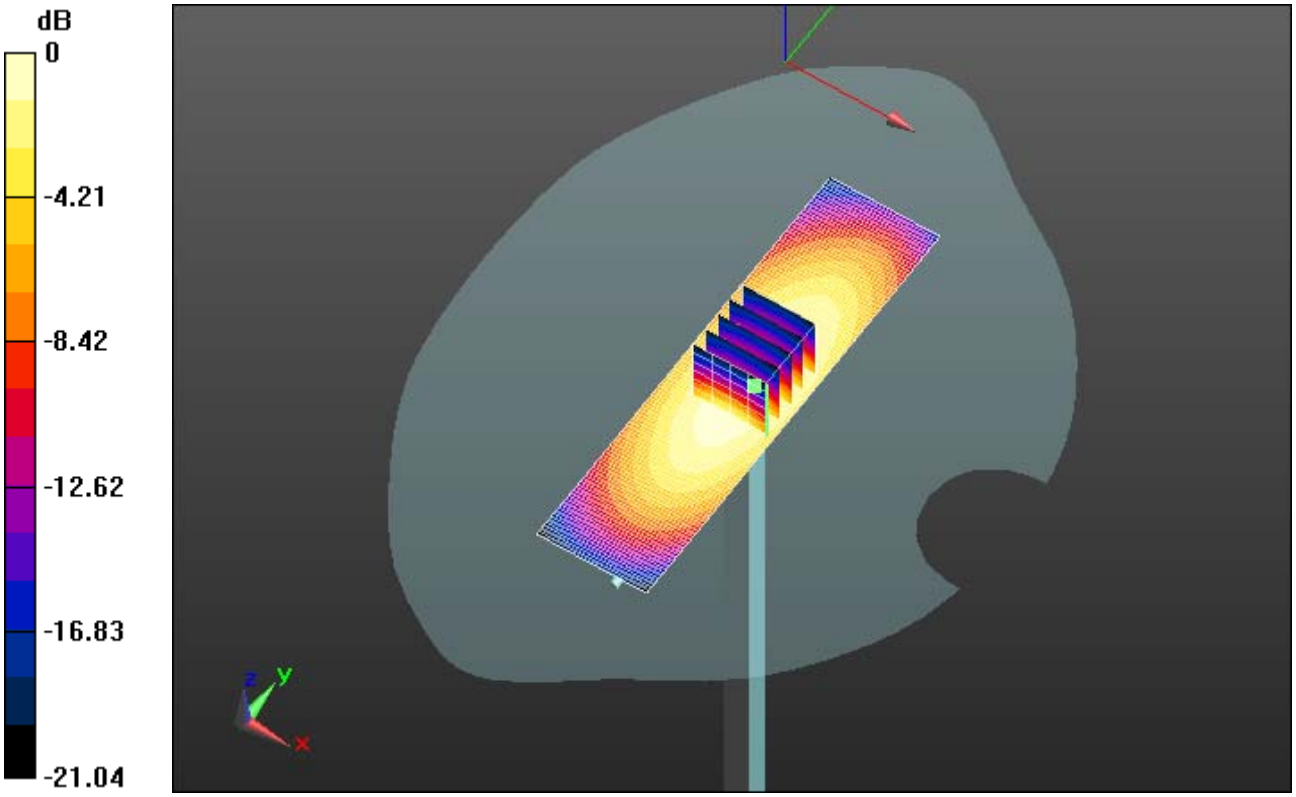
Communication System: CW; Frequency: 835 MHz
Medium parameters used: f = 835 MHz; σ = 0.902 S/m; ε_r = 41.262; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ET3DV6 - SN1644; ConvF(6.24, 6.24, 6.24); Calibrated: 11/13/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.7, 32.7
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

Configuration/d=15mm, Pin=1000mW/Area Scan (31x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 9.87 W/kg

Configuration/d=15mm, Pin=1000mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 108.6 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 13.2 W/kg
SAR(1 g) = 9.22 W/kg; SAR(10 g) = 6.08 W/kg
Maximum value of SAR (measured) = 9.96 W/kg



0 dB = 9.87 W/kg = 9.94 dBW/kg

Date/Time: 10/1/2012 11:18:00 PM

Test Laboratory: RIM Testing Services

DipoleValidation_1900MHz_10_01_12_Amb_Tem_23.5_Liq_Tem_22.8C

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:545

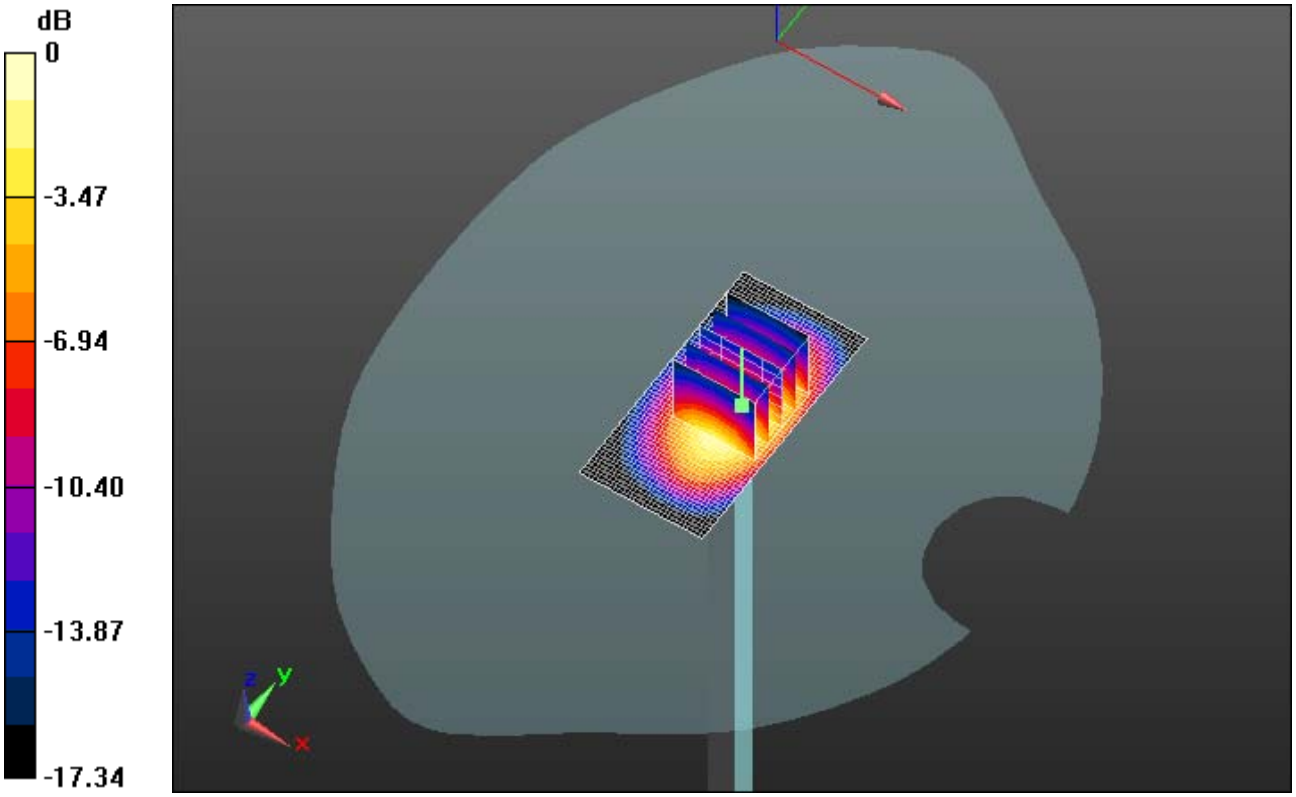
Communication System: CW; Frequency: 1900 MHz
Medium parameters used: f = 1900 MHz; σ = 1.401 mho/m; ε_r = 38.505; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/d=10mm, Pin=1000mW/Area Scan (31x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 51.049 mW/g

Configuration/d=10mm, Pin=1000mW/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 192.7 V/m; Power Drift = -0.003 dB
Peak SAR (extrapolated) = 71.4640
SAR(1 g) = 39.7 mW/g; SAR(10 g) = 20.8 mW/g
Maximum value of SAR (measured) = 50.217 mW/g



0 dB = 50.220mW/g = 34.02 dB mW/g

Date/Time: 10/22/2012 6:33:05 PM

Test Laboratory: RIM Testing Services

DipoleValidation_1900MHz_10_22_12_Amb_Tem_23.7_Liq_Tem_21.6C

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:545

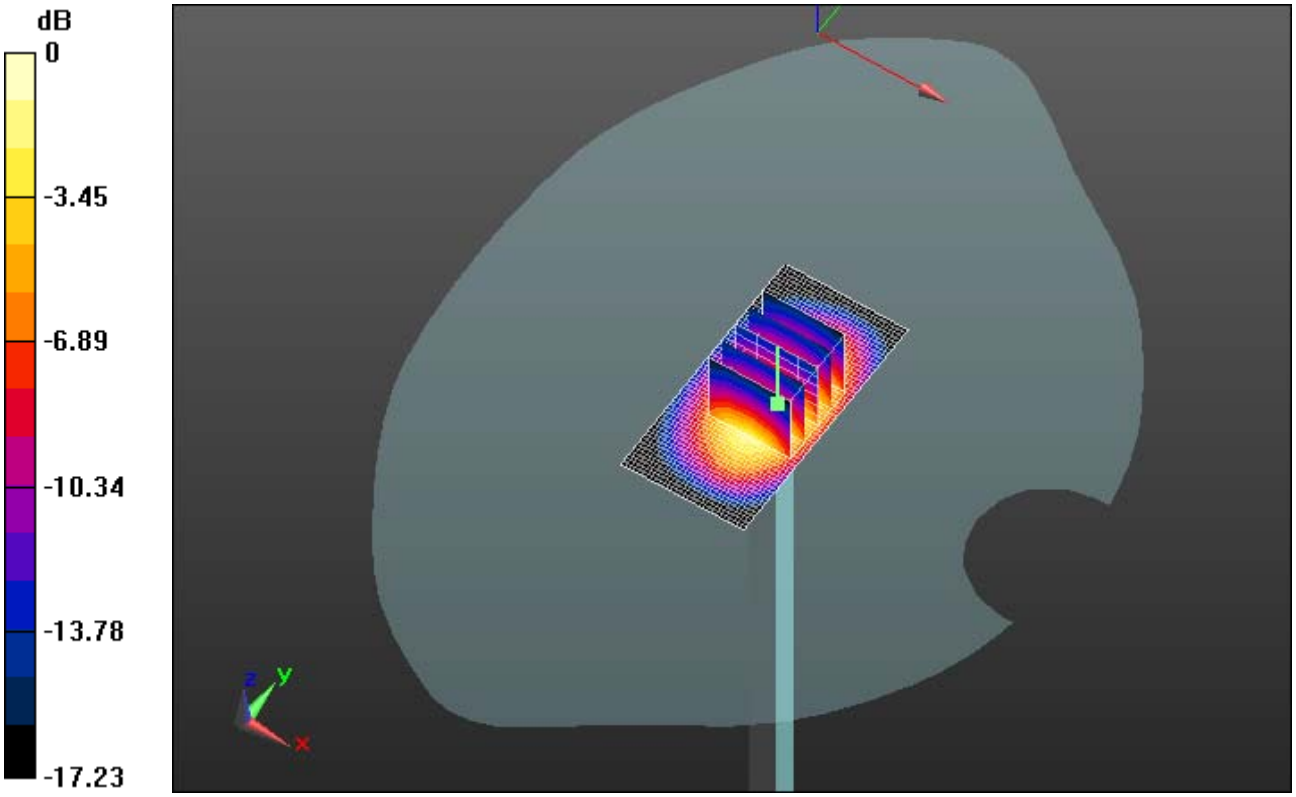
Communication System: CW; Frequency: 1900 MHz
Medium parameters used: f = 1900 MHz; σ = 1.373 mho/m; ε_r = 38.295; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/d=10mm, Pin=1000mW/Area Scan (31x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 48.477 mW/g

Configuration/d=10mm, Pin=1000mW/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 193.3 V/m; Power Drift = -0.0042 dB
Peak SAR (extrapolated) = 68.0040
SAR(1 g) = 37.8 mW/g; SAR(10 g) = 19.8 mW/g
Maximum value of SAR (measured) = 47.737 mW/g



0 dB = 47.740mW/g = 33.58 dB mW/g

Date/Time: 10/24/2012 9:52:45 PM

Test Laboratory: RIM Testing Services

DipoleValidation_1900MHz_10_24_12_Amb_Tem_23.3_Liq_Tem_22.6C

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:545

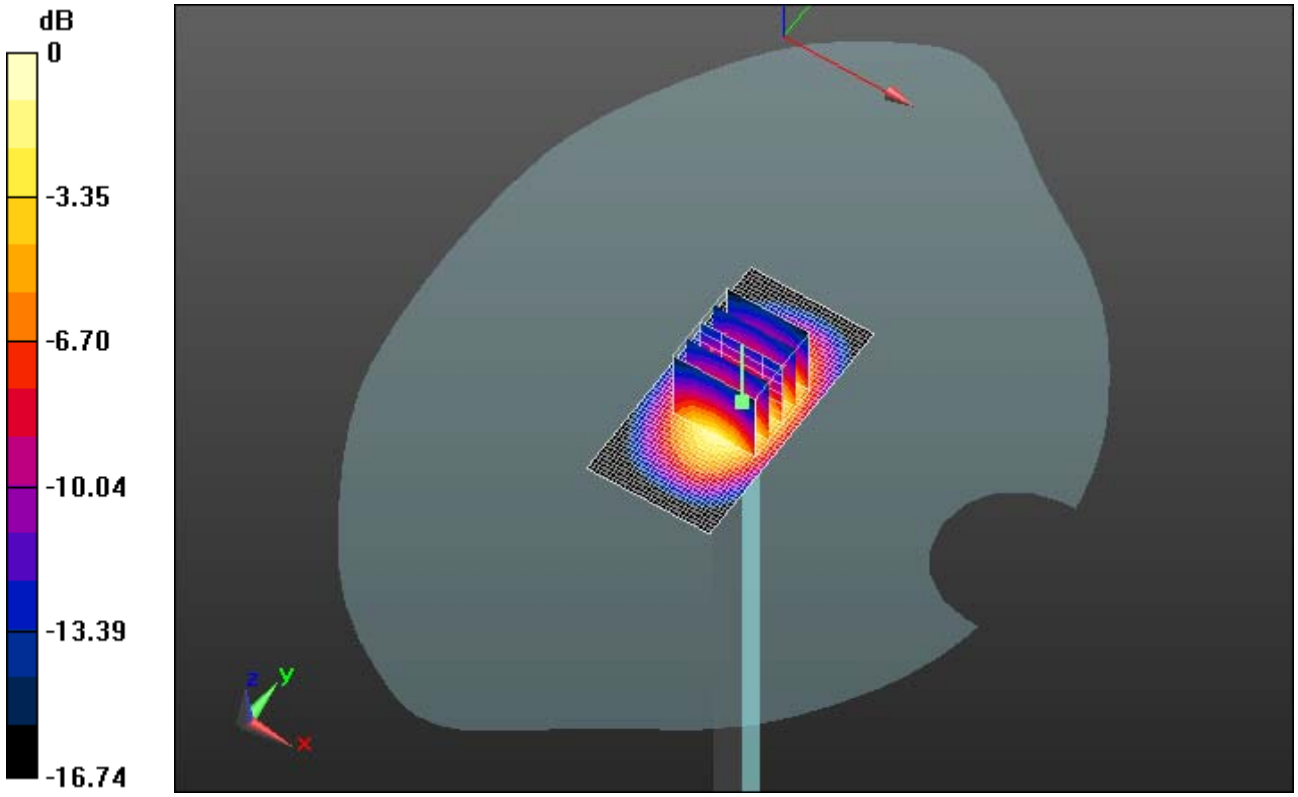
Communication System: CW; Frequency: 1900 MHz
Medium parameters used: f = 1900 MHz; σ = 1.4 mho/m; ε_r = 40.521; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/d=10mm, Pin=1000mW/Area Scan (31x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 48.091 mW/g

Configuration/d=10mm, Pin=1000mW/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 191.9 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 66.9100
SAR(1 g) = 38.2 mW/g; SAR(10 g) = 20.3 mW/g
Maximum value of SAR (measured) = 48.077 mW/g



0 dB = 48.080mW/g = 33.64 dB mW/g

Date/Time: 11/1/2012 12:37:02 PM

Test Laboratory: RIM Testing Services

DipoleValidation_1900MHz_11_01_12_Amb_Tem_24.3_Liq_Tem_22.6C

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:545

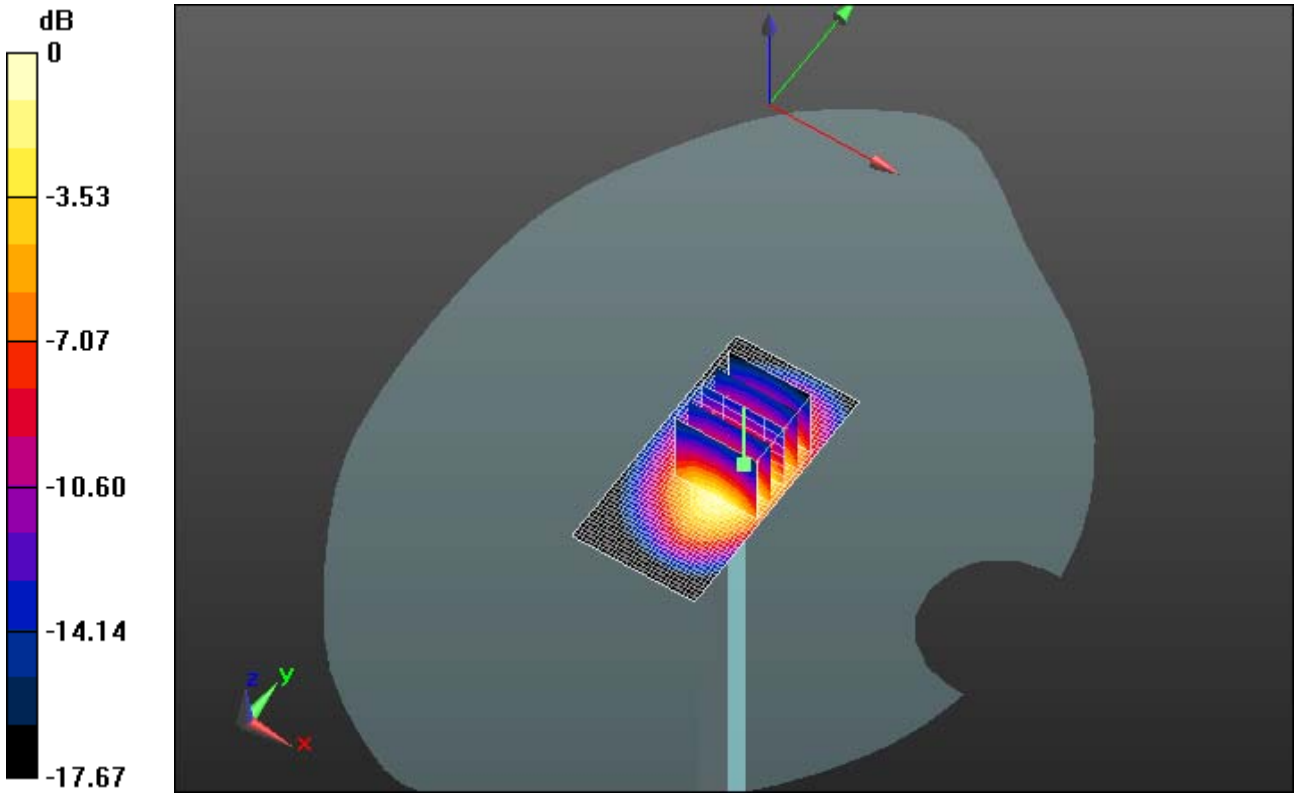
Communication System: CW; Frequency: 1900 MHz
Medium parameters used: f = 1900 MHz; σ = 1.391 mho/m; ε_r = 39.733; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/d=10mm, Pin=1000mW/Area Scan (31x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 49.686 mW/g

Configuration/d=10mm, Pin=1000mW/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 184.5 V/m; Power Drift = 0.0079 dB
Peak SAR (extrapolated) = 69.8610
SAR(1 g) = 38.5 mW/g; SAR(10 g) = 20.1 mW/g
Maximum value of SAR (measured) = 48.597 mW/g



0 dB = 48.600mW/g = 33.73 dB mW/g

Date/Time: 11/16/2012 11:45:09 AM

Test Laboratory: RIM Testing Services

DipoleValidation_1900MHz_11_16_12_Amb_Tem_23.4_Liq_Tem_22.7C

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:545

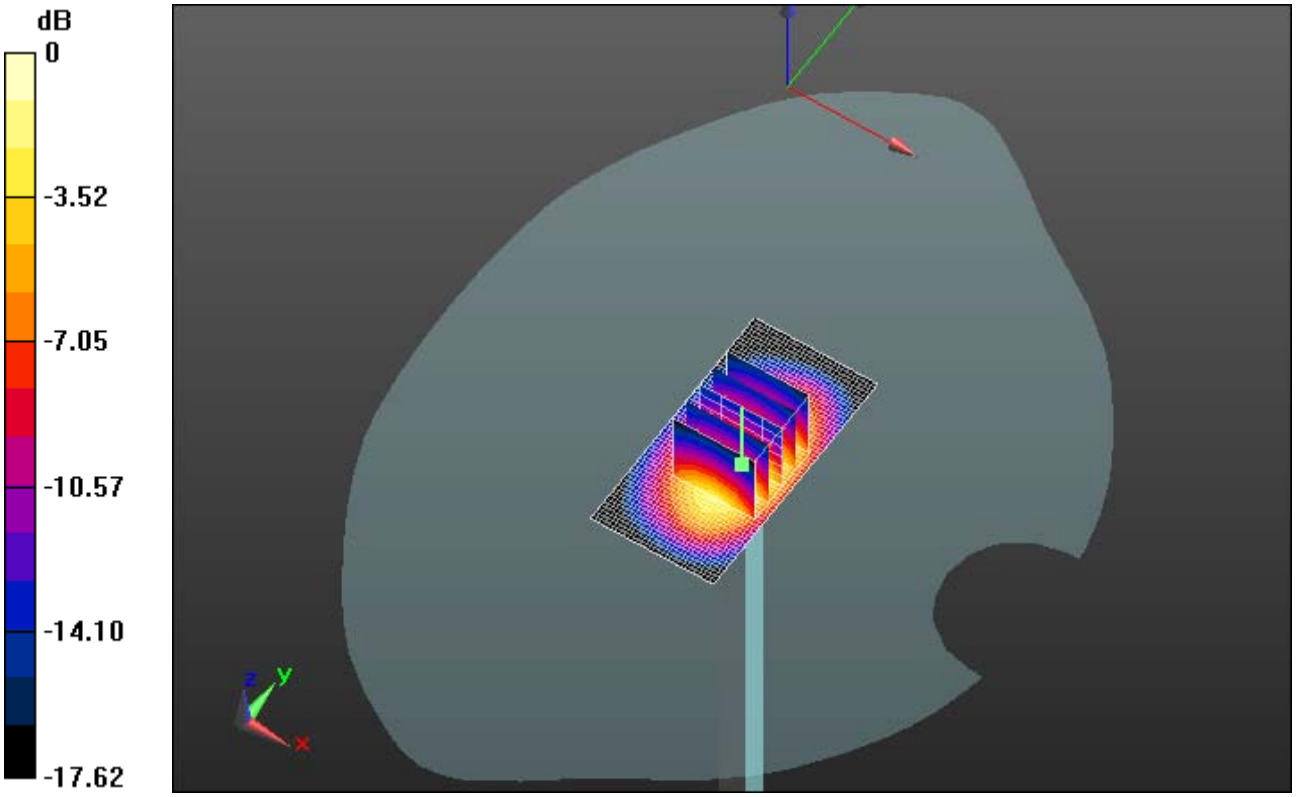
Communication System: CW; Frequency: 1900 MHz
Medium parameters used: f = 1900 MHz; σ = 1.387 mho/m; ε_r = 38.332; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/d=10mm, Pin=1000mW/Area Scan (31x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 48.486 mW/g

Configuration/d=10mm, Pin=1000mW/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 189.9 V/m; Power Drift = 0.0087 dB
Peak SAR (extrapolated) = 69.8200
SAR(1 g) = 38.3 mW/g; SAR(10 g) = 19.9 mW/g
Maximum value of SAR (measured) = 48.712 mW/g



0 dB = 48.710mW/g = 33.75 dB mW/g

Date/Time: 11/22/2012 11:24:28 AM

Test Laboratory: RIM Testing Services

DipoleValidation_1900MHz_11_22_12_Amb_Tem_23.9_Liq_Tem_22.8C

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:545

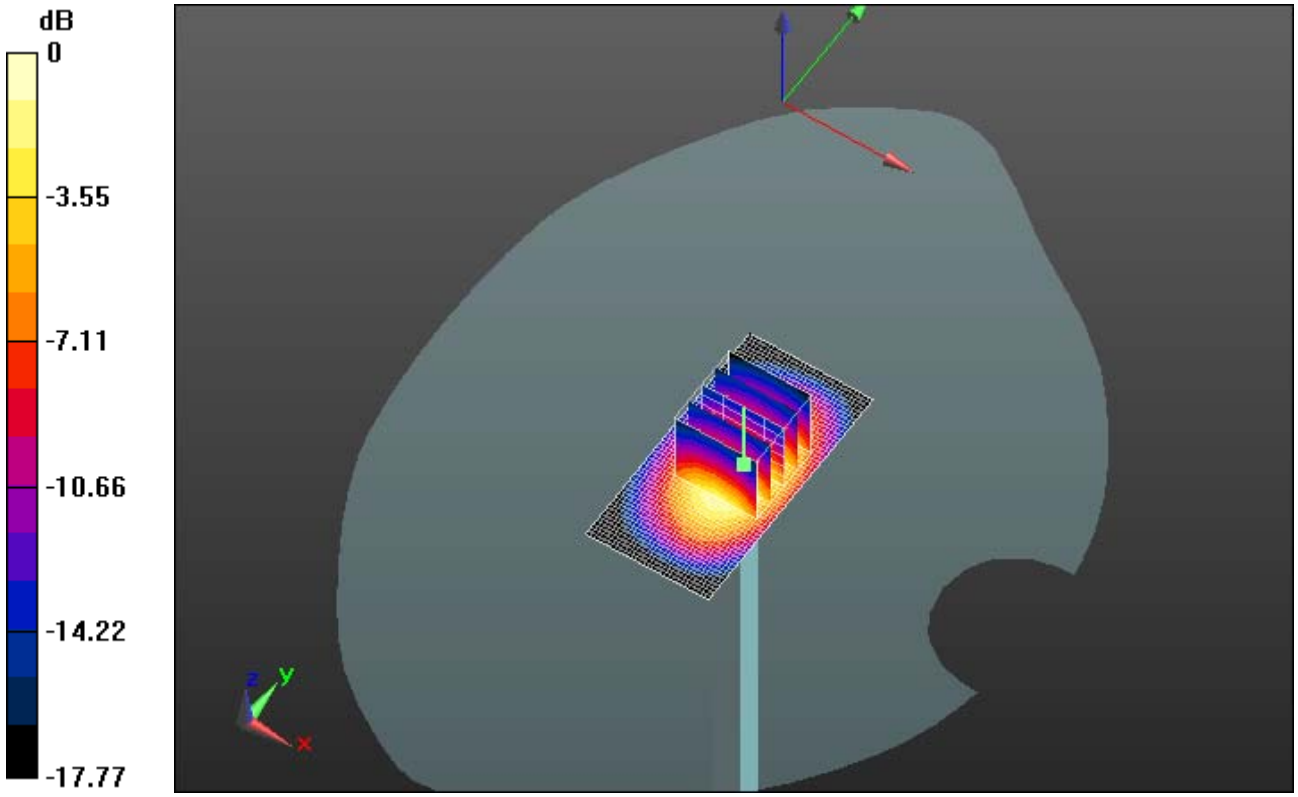
Communication System: CW; Frequency: 1900 MHz
Medium parameters used: f = 1900 MHz; σ = 1.379 mho/m; ε_r = 38.453; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/d=10mm, Pin=1000mW/Area Scan (31x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 48.759 mW/g

Configuration/d=10mm, Pin=1000mW/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 194.5 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 70.1220
SAR(1 g) = 38.5 mW/g; SAR(10 g) = 20.1 mW/g
Maximum value of SAR (measured) = 49.111 mW/g



0 dB = 49.110mW/g = 33.82 dB mW/g

Date/Time: 1/8/2013 2:29:41 AM

Test Laboratory: RIM Testing Services

DipoleValidation_1900MHz_01_08_13_Amb_Tem_24.3_Liq_Tem_21.3C

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d075

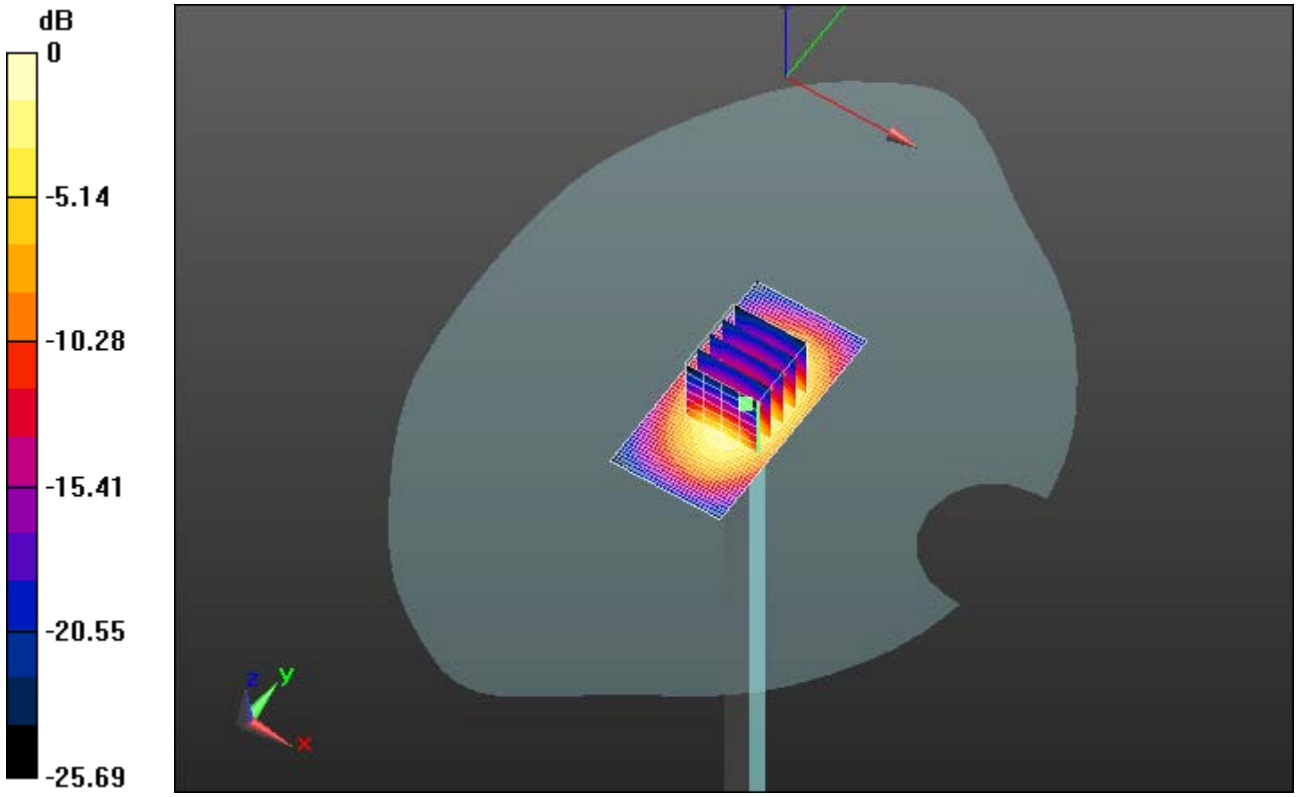
Communication System: CW; Frequency: 1900 MHz
Medium parameters used: f = 1900 MHz; σ = 1.432 S/m; ε_r = 38.359; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ET3DV6 - SN1644; ConvF(5.21, 5.21, 5.21); Calibrated: 11/13/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.7, 32.7
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

Configuration/d=10mm, Pin=1000mW/Area Scan (31x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 43.3 W/kg

Configuration/d=10mm, Pin=1000mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 183.6 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 62.4 W/kg
SAR(1 g) = 37.6 W/kg; SAR(10 g) = 20.1 W/kg
Maximum value of SAR (measured) = 42.8 W/kg



0 dB = 43.3 W/kg = 16.36 dBW/kg

Date/Time: 8/23/2012 7:08:42 PM

Test Laboratory: RIM Testing Services

DipoleValidation_2450MHz_08_23_12_Amb_Tem_23.8_Liq_Tem_22.6C

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:747

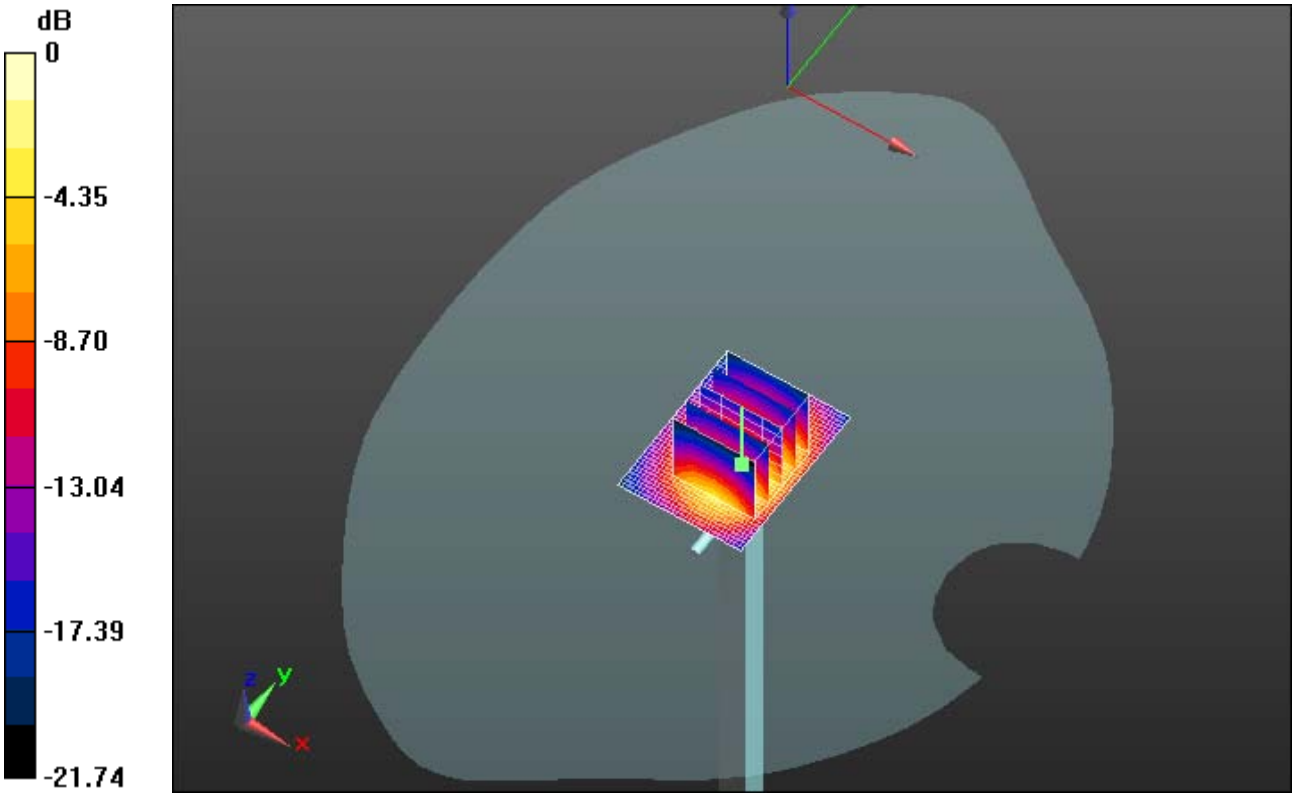
Communication System: CW; Frequency: 2450 MHz
Medium parameters used: f = 2450 MHz; σ = 1.771 mho/m; ε_r = 37.875; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.5, 4.5, 4.5); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/d=10mm, Pin=1000mW/Area Scan (31x41x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 70.961 mW/g

Configuration/d=10mm, Pin=1000mW/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 205.4 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 107.10
SAR(1 g) = 53.8 mW/g; SAR(10 g) = 25.4 mW/g
Maximum value of SAR (measured) = 69.671 mW/g



0 dB = 69.670mW/g = 36.86 dB mW/g

Date/Time: 11/5/2012 10:32:15 AM

Test Laboratory: RIM Testing Services

DipoleValidation_2450MHz_11_05_12_Amb_Tem_24.3_Liq_Tem_22.5C

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:747

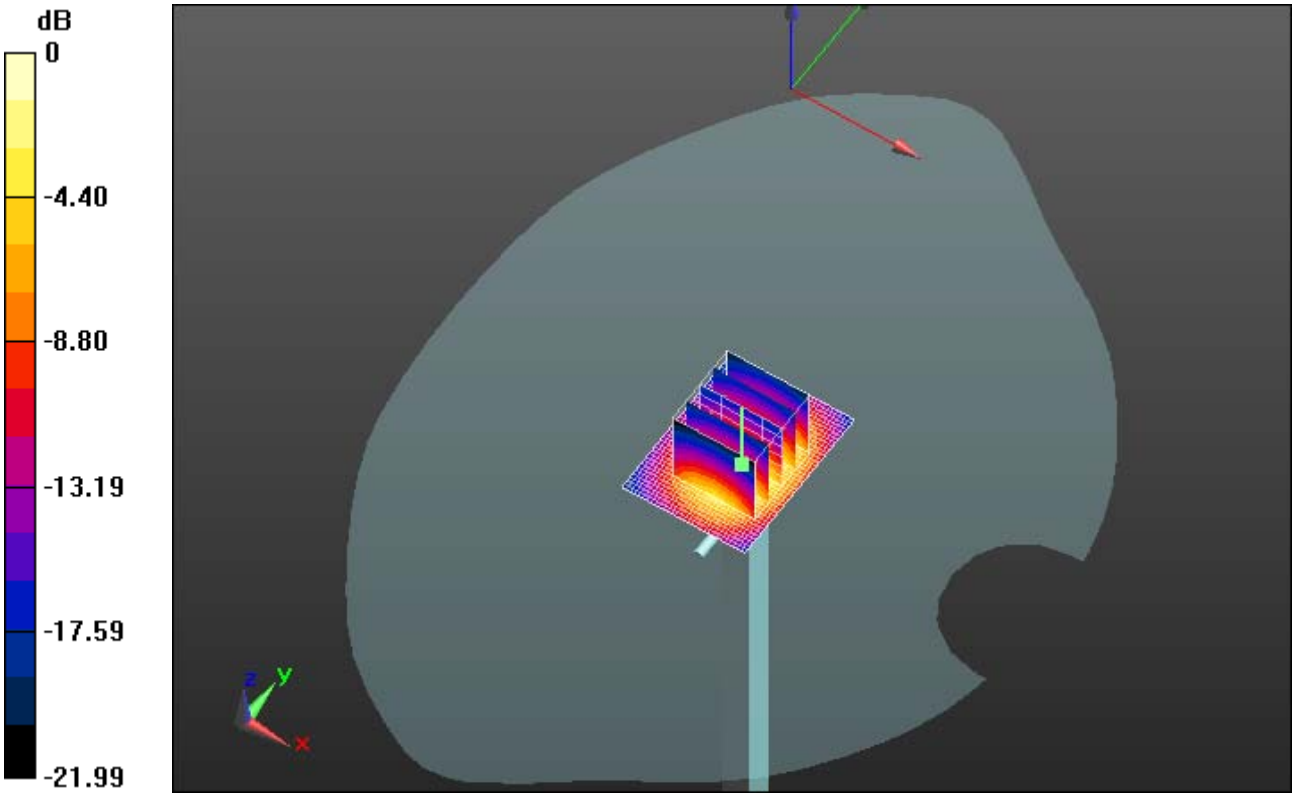
Communication System: CW; Frequency: 2450 MHz
Medium parameters used: f = 2450 MHz; σ = 1.815 mho/m; ε_r = 38.236; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.5, 4.5, 4.5); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/d=10mm, Pin=1000mW/Area Scan (31x41x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 72.712 mW/g

Configuration/d=10mm, Pin=1000mW/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 206.8 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 110.90
SAR(1 g) = 54.7 mW/g; SAR(10 g) = 25.7 mW/g
Maximum value of SAR (measured) = 71.873 mW/g



0 dB = 71.870mW/g = 37.13 dB mW/g

Date/Time: 11/19/2012 12:48:44 PM

Test Laboratory: RIM Testing Services

DipoleValidation_2450MHz_11_19_12_Amb_Tem_24.4_Liq_Tem_22.6C

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:747

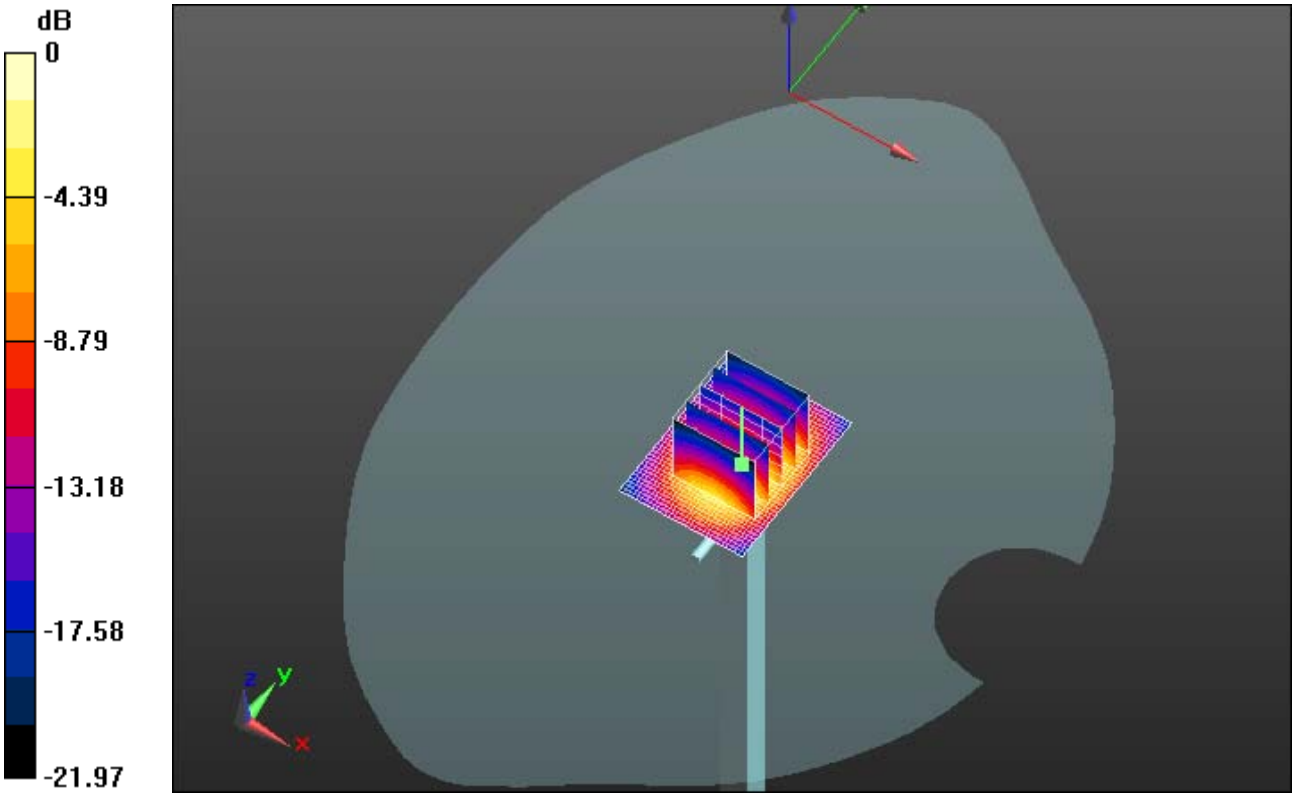
Communication System: CW; Frequency: 2450 MHz
Medium parameters used: f = 2450 MHz; σ = 1.823 mho/m; ε_r = 38.687; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.5, 4.5, 4.5); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/d=10mm, Pin=1000mW/Area Scan (31x41x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 74.142 mW/g

Configuration/d=10mm, Pin=1000mW/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 208.5 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 112.70
SAR(1 g) = 55.9 mW/g; SAR(10 g) = 26.2 mW/g
Maximum value of SAR (measured) = 73.043 mW/g



0 dB = 73.040mW/g = 37.27 dB mW/g

Date/Time: 1/7/2013 3:23:29 PM

Test Laboratory: RIM Testing Services

DipoleValidation_2450MHz_01_07_13_Amb_Tem_23.5C_Liq_Tem_21.5 C

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:747

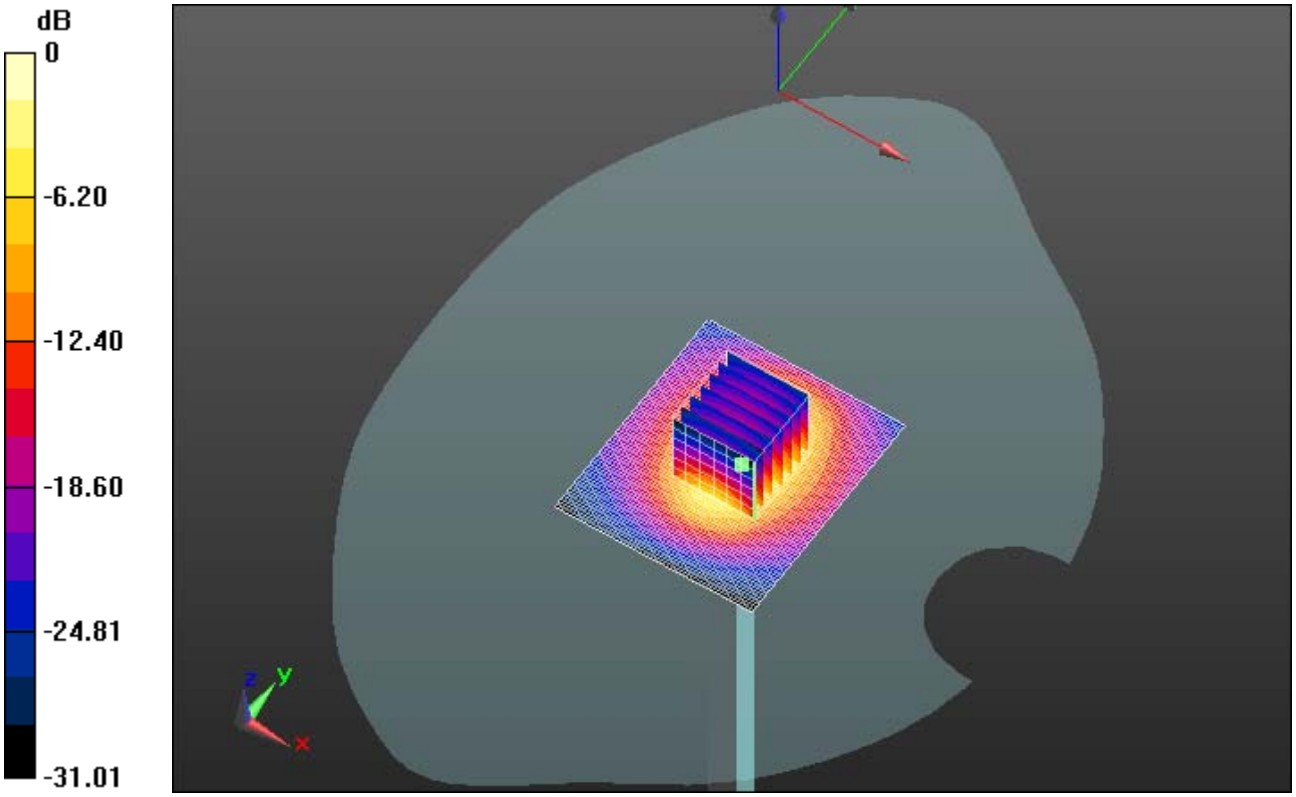
Communication System: CW; Frequency: 2450 MHz
Medium parameters used: f = 2450 MHz; σ = 1.757 S/m; ε_r = 37.766; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ET3DV6 - SN1644; ConvF(4.6, 4.6, 4.6); Calibrated: 11/13/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.7, 32.7
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=1000 mW, dist=4.0mm (ET-Probe)/Area Scan (61x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 185.2 V/m; Power Drift = -0.04 dB
Fast SAR: SAR(1 g) = 54.5 W/kg; SAR(10 g) = 24.8 W/kg
Maximum value of SAR (interpolated) = 62.7 W/kg

System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=1000 mW, dist=4.0mm (ET-Probe)/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 185.2 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 115 W/kg
SAR(1 g) = 53.7 W/kg; SAR(10 g) = 25.4 W/kg
Maximum value of SAR (measured) = 59.5 W/kg



0 dB = 62.7 W/kg = 17.97 dBW/kg

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Test Laboratory: RIM Testing Services

Dipole

Validation_5200MHz_08_20_12_Amb_Tem_24.0_Liq_Tem_22.9C

DUT: Dipole D5GHzV2; Type: D5GHzV2; Serial: D5GHzV2 - SN:1033

Communication System: CW; Frequency: 5200 MHz
Medium parameters used: f = 5200 MHz; σ = 4.778 mho/m; ε_r = 34.555; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

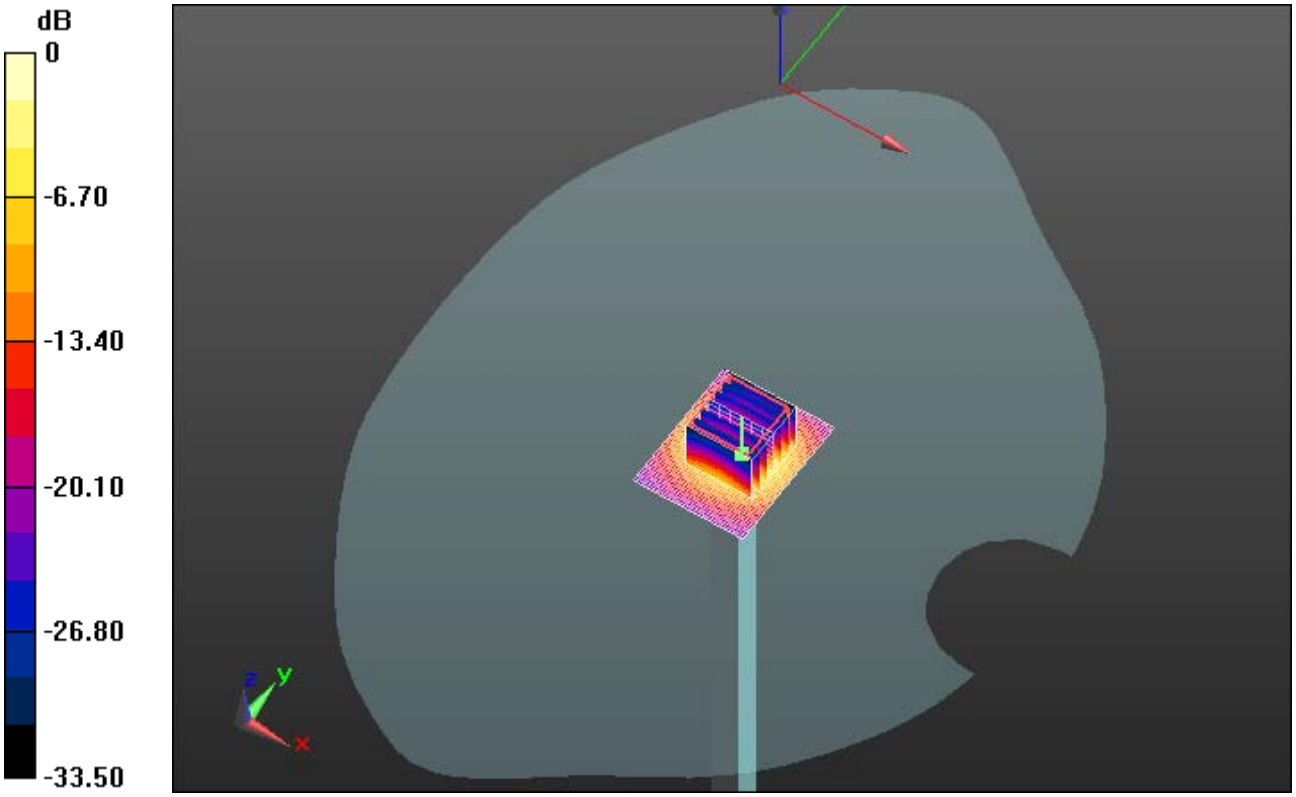
DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF(4.89, 4.89, 4.89); Calibrated: 11/16/2011
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 21.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

System Performance Check with D5GHzV2 Dipole/d=10mm, Pin=1000 mW, f=5200 MHz/Area Scan (41x51x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 190.9 mW/g

System Performance Check with D5GHzV2 Dipole/d=10mm, Pin=1000 mW, f=5200 MHz/Zoom Scan -Ext(24x24x20), Step (4x4x2.5mm), dist=2mm (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 200.8 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 323.70
SAR(1 g) = 84.7 mW/g; SAR(10 g) = 24.5 mW/g

Maximum value of SAR (measured) = 172.9 mW/g



0 dB = 172.9mW/g = 44.76 dB mW/g

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Test Laboratory: RIM Testing Services

Dipole Validation_5500

MHz_08_20_12_Amb_Tem_23.8_Liq_Tem_22.8C

DUT: Dipole D5GHzV2; Type: D5GHzV2; Serial: D5GHzV2 - SN:1033

Communication System: CW-5GHz; Frequency: 5500 MHz
Medium parameters used: f = 5500 MHz; σ = 5.017 mho/m; ε_r = 34.234; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

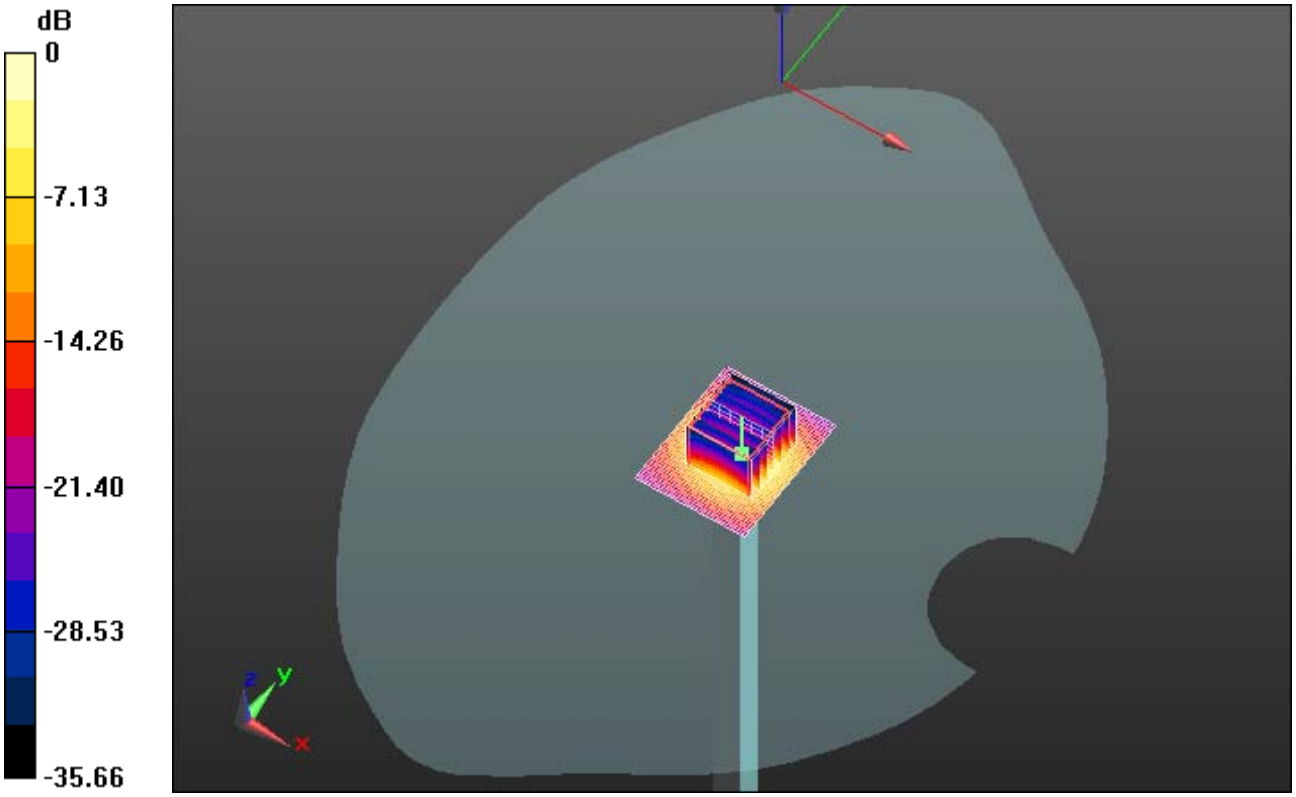
DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF(4.38, 4.38, 4.38); Calibrated: 11/16/2011
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 21.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

System Performance Check with D5GHzV2 Dipole/d=10mm, Pin=1000mW, f=5500 MHz/Area Scan (41x51x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 217.6 mW/g

System Performance Check with D5GHzV2 Dipole/d=10mm, Pin=1000mW, f=5500 MHz/Zoom Scan -Ext(24x24x20), Step (4x4x2.5mm), dist=2mm (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 204.1 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 384.10
SAR(1 g) = 93.1 mW/g; SAR(10 g) = 26.3 mW/g

Maximum value of SAR (measured) = 197.7 mW/g



0 dB = 197.7mW/g = 45.92 dB mW/g

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Test Laboratory: RIM Testing Services

Dipole Validation_5800

MHz_08_20_12_Amb_Tem_23.9_Liq_Tem_22.8C

DUT: Dipole D5GHzV2; Type: D5GHzV2; Serial: D5GHzV2 - SN:1033

Communication System: CW-5GHz; Frequency: 5800 MHz
Medium parameters used: f = 5800 MHz; σ = 5.342 mho/m; ε_r = 34.258; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

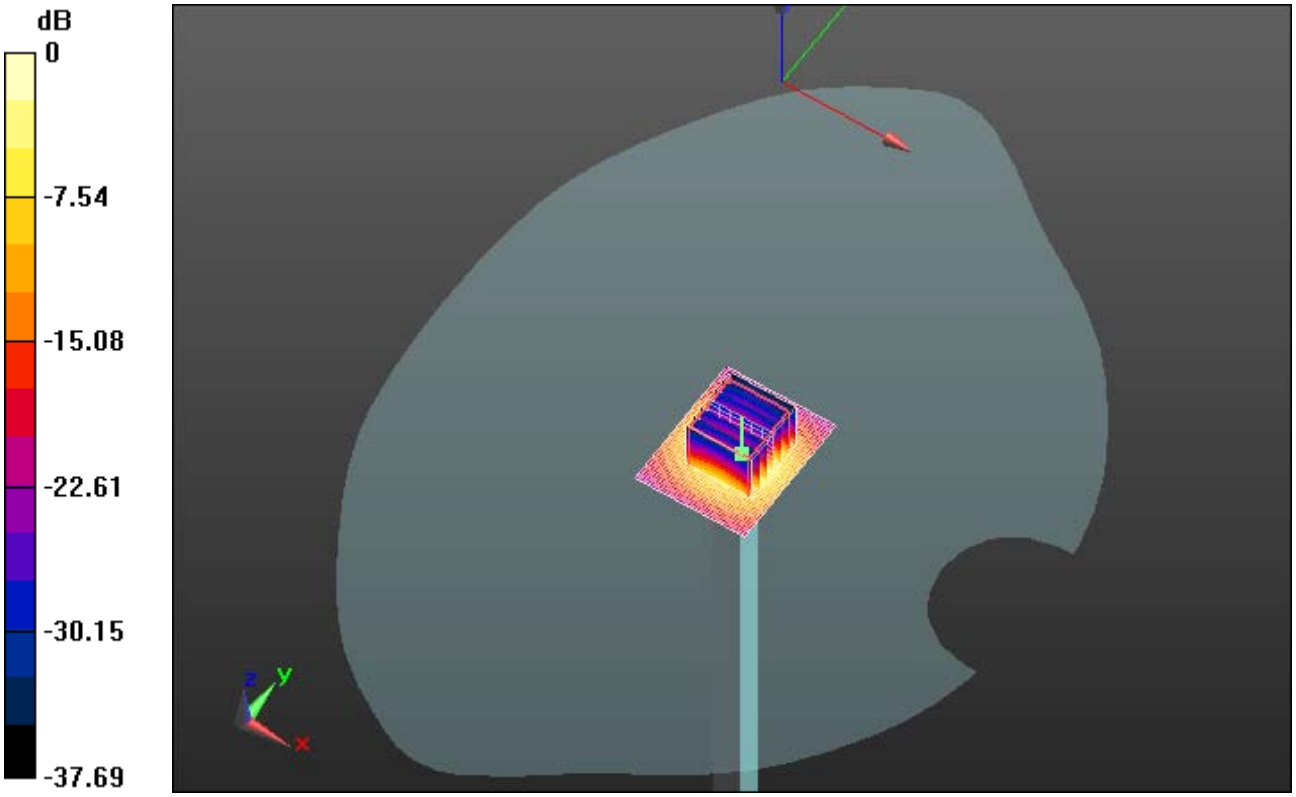
DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF(4.17, 4.17, 4.17); Calibrated: 11/16/2011
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 21.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

System Performance Check with D5GHzV2 Dipole/d=10mm, Pin=1000mW, f=5800 MHz/Area Scan (41x51x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 199.7 mW/g

System Performance Check with D5GHzV2 Dipole/d=10mm, Pin=1000mW, f=5800 MHz/Zoom Scan -Ext(24x24x20), Step (4x4x2.5mm), dist=2mm (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 191.6 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 354.50
SAR(1 g) = 83.9 mW/g; SAR(10 g) = 23.7 mW/g

Maximum value of SAR (measured) = 177.7 mW/g



0 dB = 177.7mW/g = 44.99 dB mW/g

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Test Laboratory: RIM Testing Services

Dipole Validation_5800

MHz_11_07_12_Amb_Tem_23.8_Liq_Tem_21.8C

DUT: Dipole D5GHzV2; Type: D5GHzV2; Serial: D5GHzV2 - SN:1033

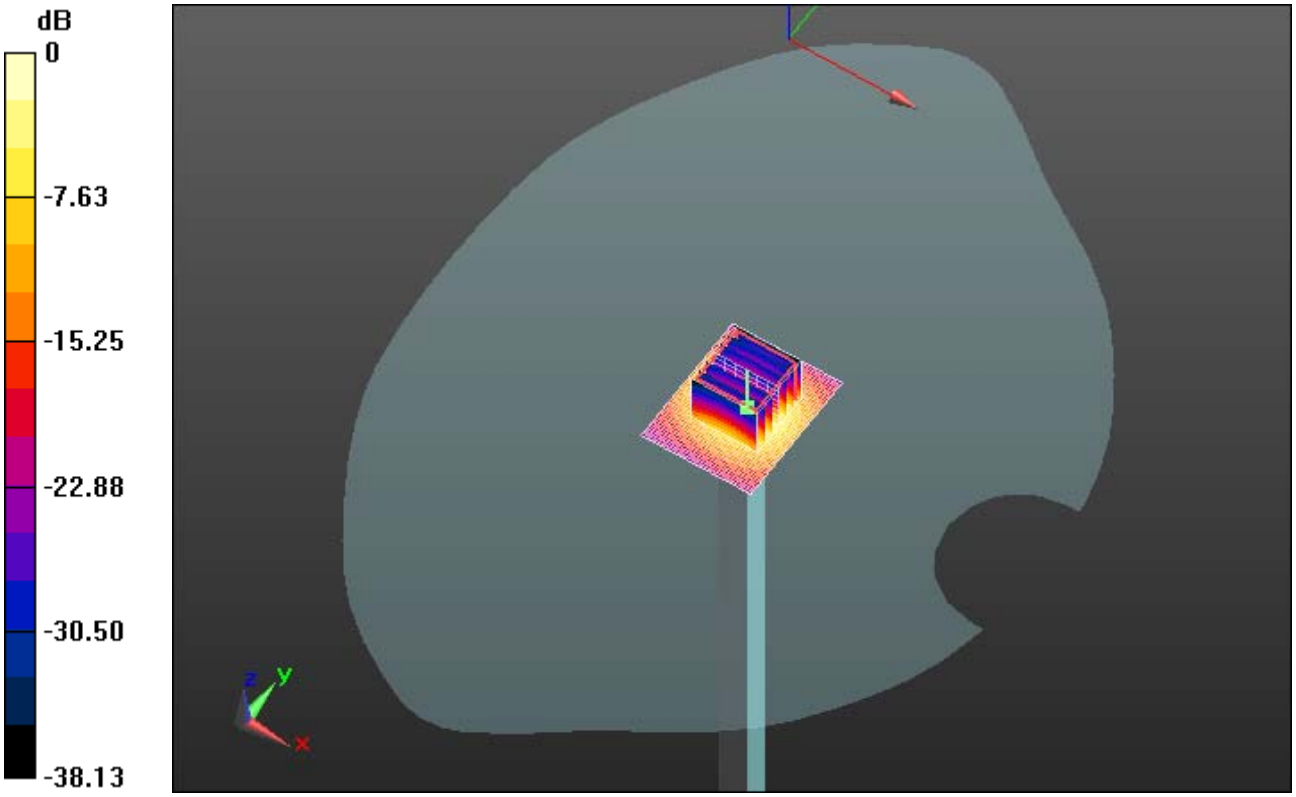
Communication System: CW-5GHz; Frequency: 5800 MHz
Medium parameters used: f = 5800 MHz; σ = 5.424 mho/m; ε_r = 35.119; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3548; ConvF(4.44, 4.44, 4.44); Calibrated: 1/14/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 21.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

System Performance Check with D5GHzV2 Dipole/d=10mm, Pin=1000mW, f=5800 MHz/Area Scan (41x51x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 198.6 mW/g

System Performance Check with D5GHzV2 Dipole/d=10mm, Pin=1000mW, f=5800 MHz/Zoom Scan -Ext(24x24x20), Step (4x4x2.5mm), dist=2mm (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 195.9 V/m; Power Drift = 0.0019 dB
Peak SAR (extrapolated) = 342.70
SAR(1 g) = 84.9 mW/g; SAR(10 g) = 24.2 mW/g
Maximum value of SAR (measured) = 182.7 mW/g



0 dB = 182.7mW/g = 45.23 dB mW/g

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Test Laboratory: RIM Testing Services

Dipole Validation_5800

MHz_01_10_13_Amb_Tem_24.8_Liq_Tem_21.1C

DUT: Dipole D5GHzV2; Type: D5GHzV2; Serial: D5GHzV2 - SN:1033

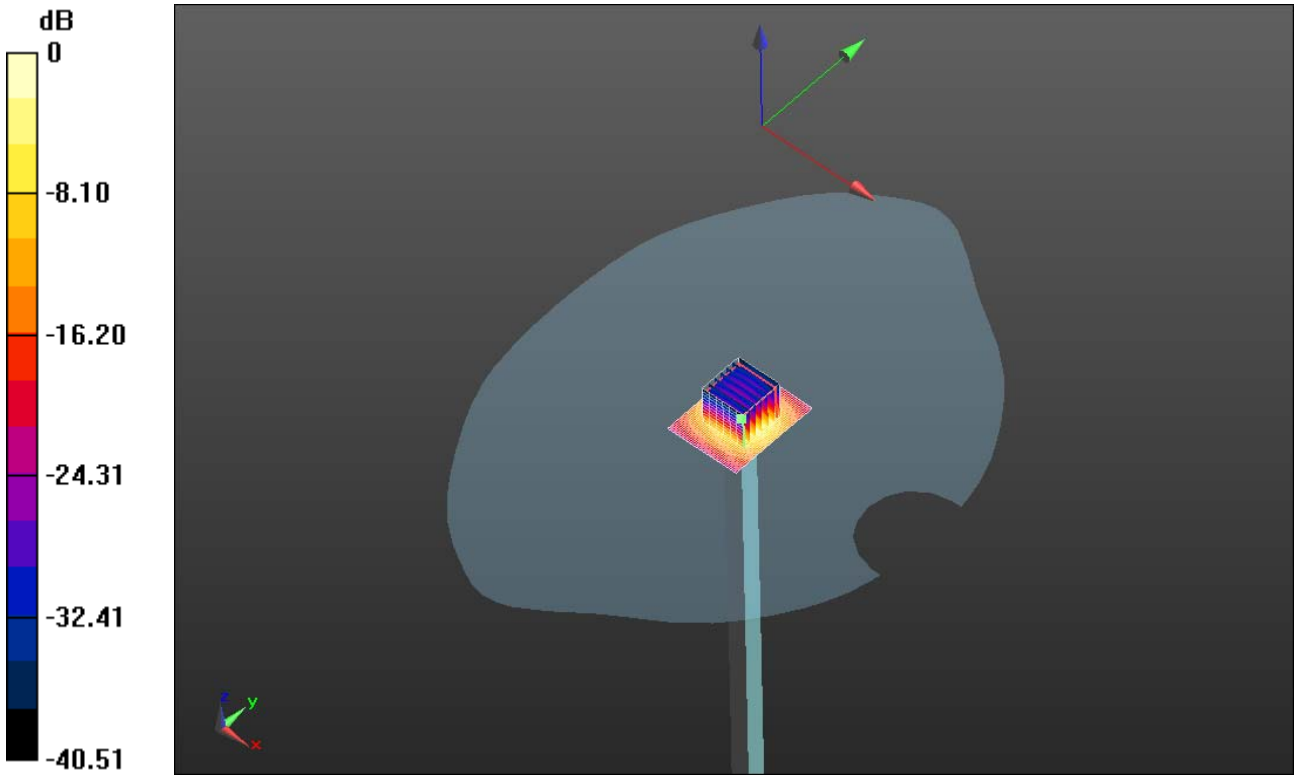
Communication System: CW-5GHz; Frequency: 5800 MHz
Medium parameters used: f = 5800 MHz; σ = 5.504 S/m; ε_r = 34.728; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF(4.12, 4.12, 4.12); Calibrated: 11/14/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 23.0
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

System Performance Check with D5GHzV2 Dipole/d=10mm, Pin=1000mW, f=5800 MHz/Area Scan (41x51x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 206 W/kg

System Performance Check with D5GHzV2 Dipole/d=10mm, Pin=1000mW, f=5800 MHz/Zoom Scan -Ext(24x24x22), Step (4x4x2.0mm), dist=2mm (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 197.7 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 375 W/kg
SAR(1 g) = 86.1 W/kg; SAR(10 g) = 24.4 W/kg
Maximum value of SAR (measured) = 184 W/kg



0 dB = 184 W/kg = 22.65 dBW/kg