

|                                                                                  |                                                                                                           |                                            |                                                    |                                                        |
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| Author Data<br><b>Andrew Becker</b>                                              | Dates of Test<br><b>June 04 – October 29, 2012</b>                                                        | Test Report No<br><b>RTS-6012-1208-35B</b> | FCC ID:<br><b>L6ARFF90LW</b><br><b>L6ARFK120LW</b> | IC ID<br><b>2503A-RFF90LW</b><br><b>2503A-RFK120LW</b> |

## APPENDIX A: SAR DISTRIBUTION COMPARISON FOR ACCURACY VERIFICATION

|                                                                                  |                                                                                 |                                     |                                      |                                          |       |
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| Author Data<br>Andrew Becker                                                     | Dates of Test<br>June 04 – October 29, 2012                                     | Test Report No<br>RTS-6012-1208-35B | FCC ID:<br>L6ARFF90LW<br>L6ARFK120LW | IC ID<br>2503A-RFF90LW<br>2503A-RFK120LW |       |

Date/Time: 6/15/2012 9:48:42 AM

Test Laboratory: RIM Testing Services

## DipoleValidation\_750MHz\_06\_15\_12\_Amb\_Tem\_23.3\_Liq\_Tem\_22.7C

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

Communication System: CW; Frequency: 750 MHz

Medium parameters used:  $f = 750 \text{ MHz}$ ;  $\sigma = 0.899 \text{ mho/m}$ ;  $\epsilon_r = 42.08$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASYS (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
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/d=15mm, Pin=1000mW/Area Scan (31x121x1):** Measurement

grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) =  $9.242 \text{ mW/g}$

**Configuration/d=15mm, Pin=1000mW/Zoom Scan (5x5x7) 2 2**

**(5x5x7)/Cube 0:** Measurement grid:  $dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$

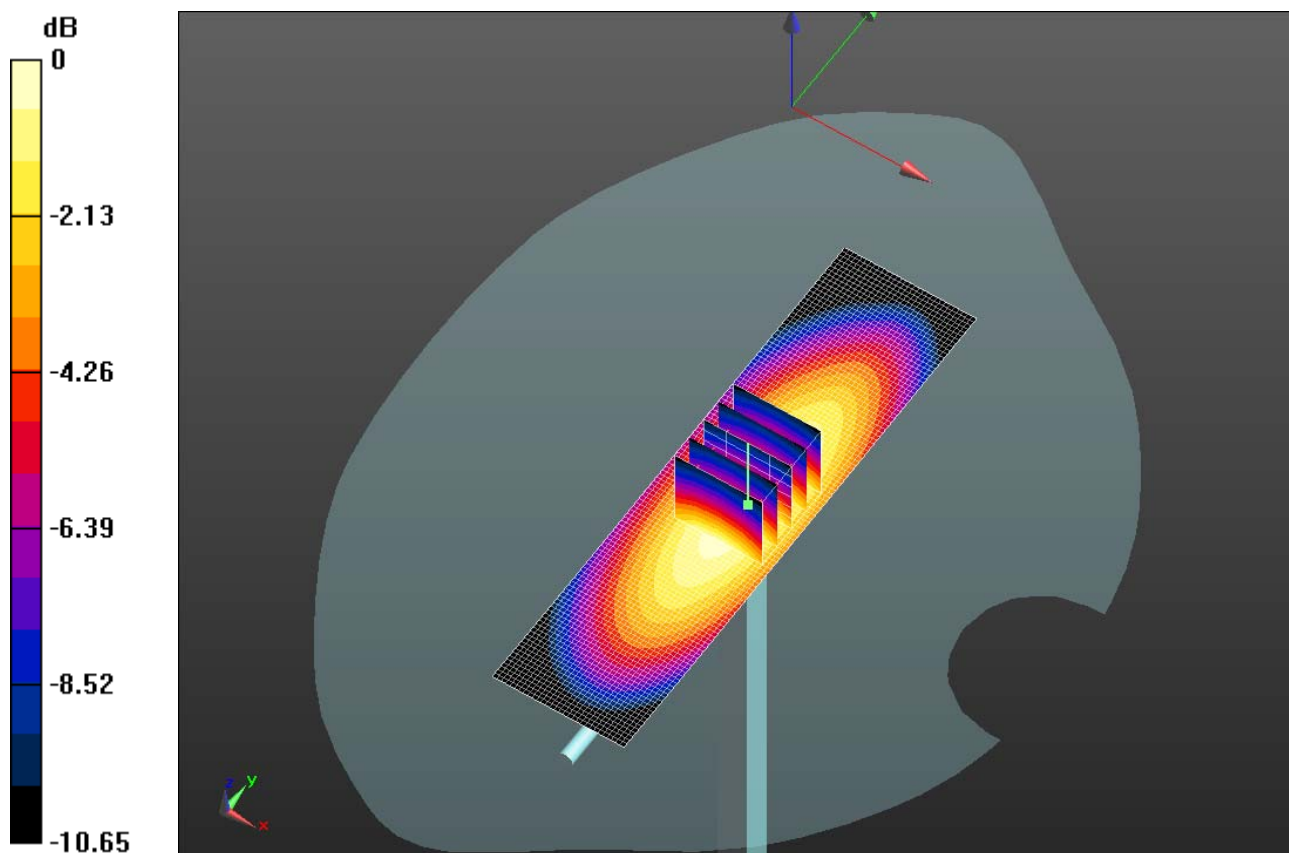
Reference Value =  $105.9 \text{ V/m}$ ; Power Drift =  $0.0014 \text{ dB}$

Peak SAR (extrapolated) =  $12.0060$

**SAR(1 g) =  $8.07 \text{ mW/g}$ ; SAR(10 g) =  $5.27 \text{ mW/g}$**

Maximum value of SAR (measured) =  $9.444 \text{ mW/g}$

|                                                                                  |                                                                                                           |                                            |                                                    |                                                        |
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| Author Data<br><b>Andrew Becker</b>                                              | Dates of Test<br><b>June 04 – October 29, 2012</b>                                                        | Test Report No<br><b>RTS-6012-1208-35B</b> | FCC ID:<br><b>L6ARFF90LW</b><br><b>L6ARFK120LW</b> | IC ID<br><b>2503A-RFF90LW</b><br><b>2503A-RFK120LW</b> |



0 dB = 9.440mW/g = 19.50 dB mW/g

|                                                                                  |                                                                                               |                                            |                                                    |                                                        |
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| Author Data<br><b>Andrew Becker</b>                                              | Dates of Test<br><b>June 04 – October 29, 2012</b>                                            | Test Report No<br><b>RTS-6012-1208-35B</b> | FCC ID:<br><b>L6ARFF90LW</b><br><b>L6ARFK120LW</b> | IC ID<br><b>2503A-RFF90LW</b><br><b>2503A-RFK120LW</b> |

Date/Time: 6/18/2012 12:13:05 AM

Test Laboratory: RIM Testing Services

## DipoleValidation\_750MHz\_06\_18\_12\_Amb\_Tem\_23.2\_Liq\_Tem\_21.6C

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

Communication System: CW; Frequency: 750 MHz

Medium parameters used:  $f = 750 \text{ MHz}$ ;  $\sigma = 0.88 \text{ mho/m}$ ;  $\epsilon_r = 43.211$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

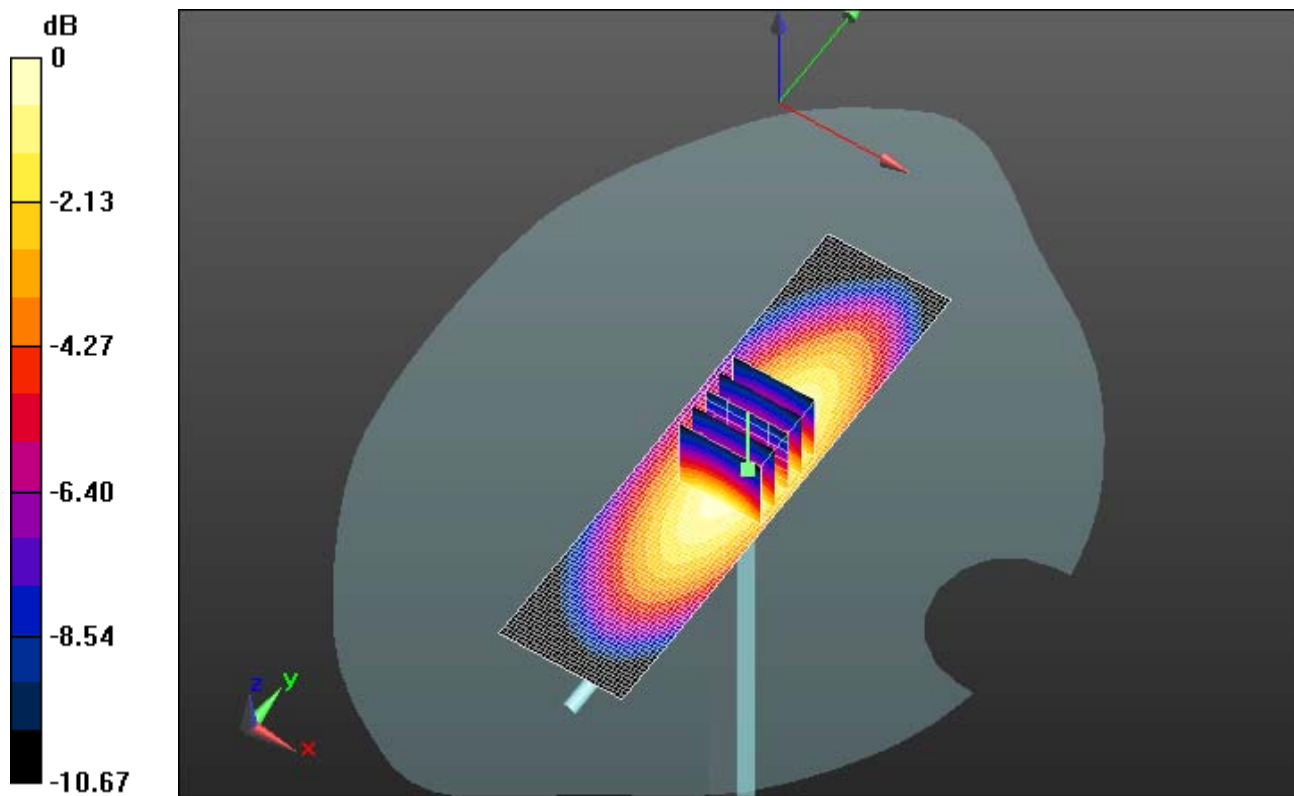
DASY Configuration:

- 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
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/d=15mm, Pin=1000mW/Area Scan (31x121x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
Maximum value of SAR (interpolated) = 9.108 mW/g

**Configuration/d=15mm, Pin=1000mW/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0:** Measurement grid:  $dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value = 105.1 V/m; Power Drift = -0.08 dB  
Peak SAR (extrapolated) = 11.5990  
**SAR(1 g) = 7.8 mW/g; SAR(10 g) = 5.09 mW/g**  
Maximum value of SAR (measured) = 9.111 mW/g

|                                                                                  |                                                                                                           |                                            |                                                    |                                                        |
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| Author Data<br><b>Andrew Becker</b>                                              | Dates of Test<br><b>June 04 – October 29, 2012</b>                                                        | Test Report No<br><b>RTS-6012-1208-35B</b> | FCC ID:<br><b>L6ARFF90LW</b><br><b>L6ARFK120LW</b> | IC ID<br><b>2503A-RFF90LW</b><br><b>2503A-RFK120LW</b> |



0 dB = 9.110mW/g = 19.19 dB mW/g

|                                                                                  |                                                                                                           |                                            |                                                    |                                                        |
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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:  $f = 750 \text{ MHz}$ ;  $\sigma = 0.91 \text{ mho/m}$ ;  $\epsilon_r = 41.154$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASYS (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
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/d=15mm, Pin=1000mW/Area Scan (31x121x1):** Measurement

grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) =  $8.996 \text{ mW/g}$

**Configuration/d=15mm, Pin=1000mW/Zoom Scan (5x5x7) 2 2**

**(5x5x7)/Cube 0:** Measurement grid:  $dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$

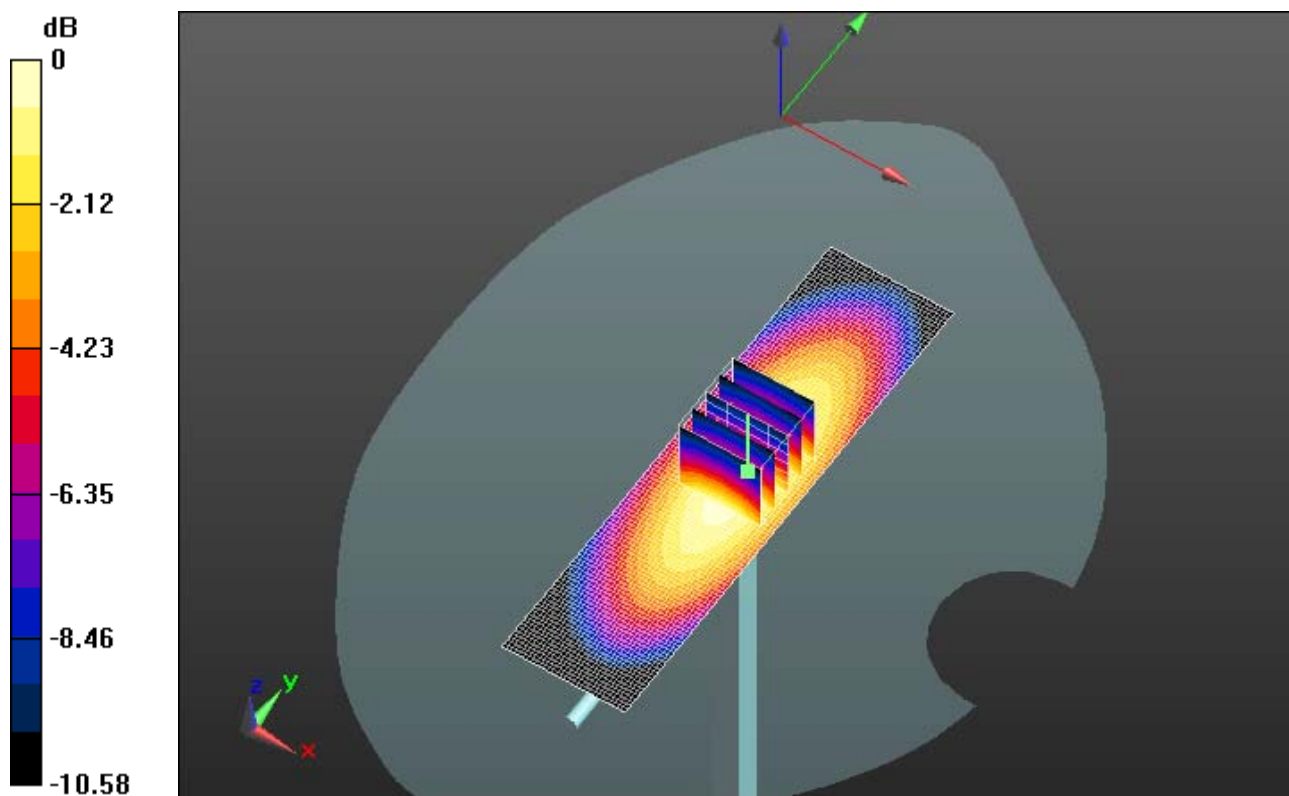
Reference Value =  $104.2 \text{ V/m}$ ; Power Drift =  $-0.08 \text{ dB}$

Peak SAR (extrapolated) =  $11.6390$

**SAR(1 g) =  $7.79 \text{ mW/g}$ ; SAR(10 g) =  $5.08 \text{ mW/g}$**

Maximum value of SAR (measured) =  $9.166 \text{ mW/g}$

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

|                                                                                  |                                                                                 |                                     |                                      |                                          |               |
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| Author Data<br>Andrew Becker                                                     | Dates of Test<br>June 04 – October 29, 2012                                     | Test Report No<br>RTS-6012-1208-35B | FCC ID:<br>L6ARFF90LW<br>L6ARFK120LW | IC ID<br>2503A-RFF90LW<br>2503A-RFK120LW |               |

Date/Time: 6/4/2012 9:48:33 PM

Test Laboratory: RIM Testing Services

## DipoleValidation\_835MHz\_06\_04\_12\_Amb\_Tem\_23.2\_Liq\_Tem\_21.9C

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

Communication System: CW; Frequency: 835 MHz

Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.881 \text{ mho/m}$ ;  $\epsilon_r = 39.935$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

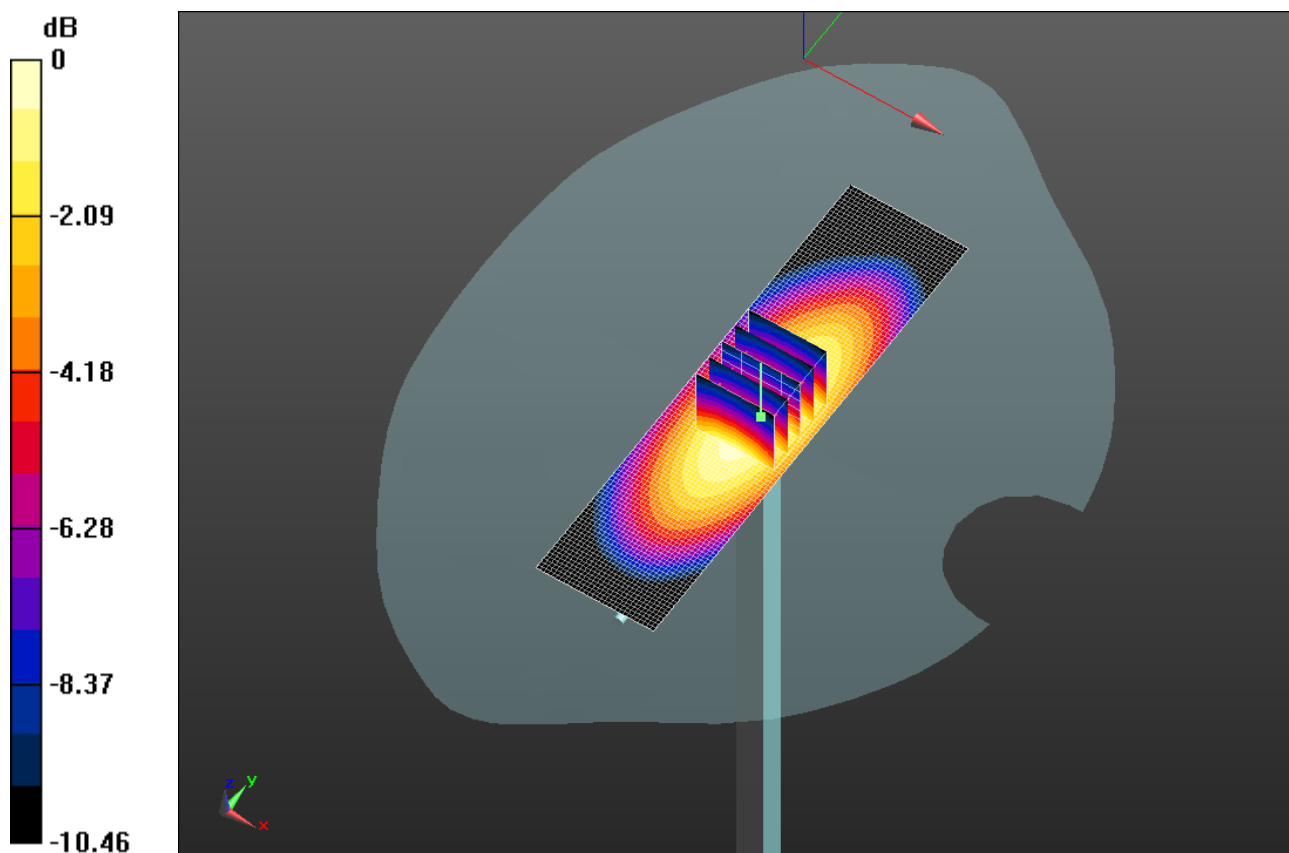
DASY Configuration:

- 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
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/d=15mm, Pin=1000mW/Area Scan (31x121x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
Maximum value of SAR (interpolated) = 10.790 mW/g

**Configuration/d=15mm, Pin=1000mW/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0:** Measurement grid:  $dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value = 114.7 V/m; Power Drift = -0.05 dB  
Peak SAR (extrapolated) = 13.6840  
**SAR(1 g) = 9.33 mW/g; SAR(10 g) = 6.12 mW/g**  
Maximum value of SAR (measured) = 10.898 mW/g

|                                                                                  |                                                                                                           |                                            |                                                    |                                                        |
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| Author Data<br><b>Andrew Becker</b>                                              | Dates of Test<br><b>June 04 – October 29, 2012</b>                                                        | Test Report No<br><b>RTS-6012-1208-35B</b> | FCC ID:<br><b>L6ARFF90LW</b><br><b>L6ARFK120LW</b> | IC ID<br><b>2503A-RFF90LW</b><br><b>2503A-RFK120LW</b> |



0 dB = 10.900mW/g = 20.75 dB mW/g

|                                                                                  |                                                                                                           |                                            |                                                    |                                                        |
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| Author Data<br><b>Andrew Becker</b>                                              | Dates of Test<br><b>June 04 – October 29, 2012</b>                                                        | Test Report No<br><b>RTS-6012-1208-35B</b> | FCC ID:<br><b>L6ARFF90LW</b><br><b>L6ARFK120LW</b> | IC ID<br><b>2503A-RFF90LW</b><br><b>2503A-RFK120LW</b> |

Date/Time: 6/6/2012 11:52:29 AM

Test Laboratory: RIM Testing Services

## DipoleValidation\_835MHz\_06\_06\_12\_Amb\_Tem\_23.1\_Liq\_Tem\_21.5C

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

Communication System: CW; Frequency: 835 MHz

Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.892 \text{ mho/m}$ ;  $\epsilon_r = 42.615$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

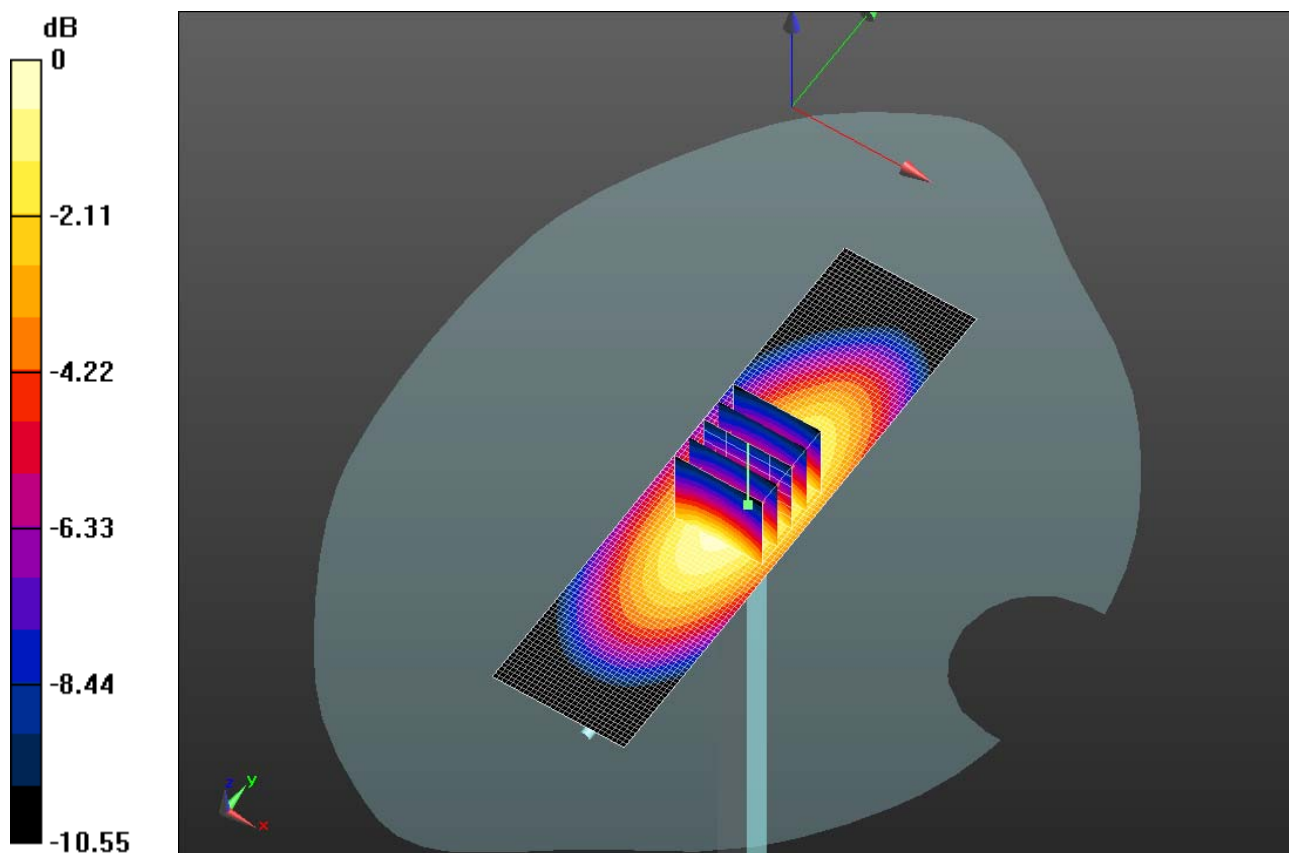
DASY Configuration:

- 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
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/d=15mm, Pin=1000mW/Area Scan (31x121x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
Maximum value of SAR (interpolated) = 10.720 mW/g

**Configuration/d=15mm, Pin=1000mW/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0:** Measurement grid:  $dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value = 113.8 V/m; Power Drift = -0.0015 dB  
Peak SAR (extrapolated) = 13.6560  
**SAR(1 g) = 9.32 mW/g; SAR(10 g) = 6.11 mW/g**  
Maximum value of SAR (measured) = 10.927 mW/g

|                                                                                  |                                                                                                           |                                            |                                                    |                                                        |
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0 dB = 10.930mW/g = 20.77 dB mW/g

|                                                                                  |                                                                                               |                                            |                                                    |                                                        |
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Date/Time: 6/14/2012 9:35:26 PM

Test Laboratory: RIM Testing Services

## DipoleValidation\_835MHz\_06\_14\_12\_Amb\_Tem\_23.0\_Liq\_Tem\_22.0C

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

Communication System: CW; Frequency: 835 MHz

Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.895 \text{ mho/m}$ ;  $\epsilon_r = 41.157$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

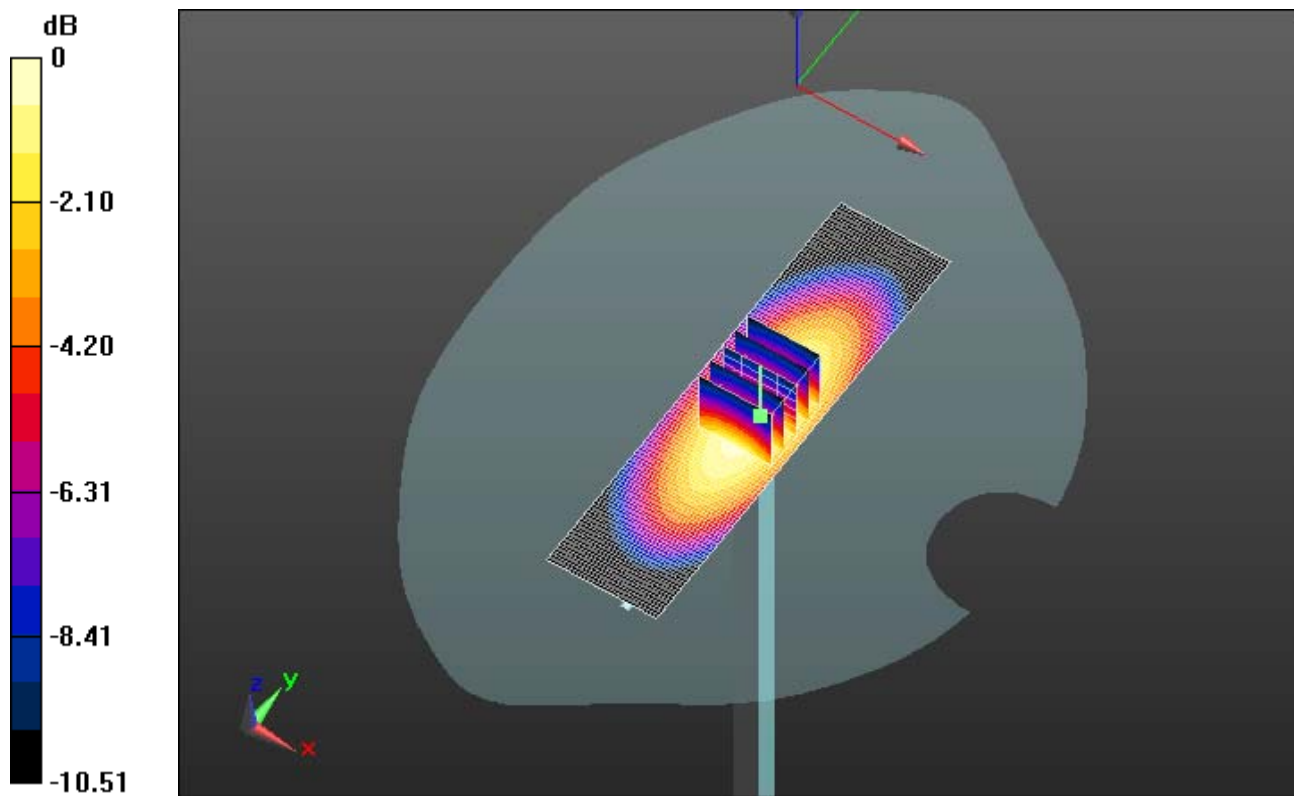
DASY Configuration:

- 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
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/d=15mm, Pin=1000mW/Area Scan (31x121x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
Maximum value of SAR (interpolated) = 10.726 mW/g

**Configuration/d=15mm, Pin=1000mW/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0:** Measurement grid:  $dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value = 113.7 V/m; Power Drift = -0.03 dB  
Peak SAR (extrapolated) = 13.6010  
**SAR(1 g) = 9.24 mW/g; SAR(10 g) = 6.06 mW/g**  
Maximum value of SAR (measured) = 10.807 mW/g

|                                                                                  |                                                                                                           |                                            |                                                    |                                                        |
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0 dB = 10.810mW/g = 20.68 dB mW/g

|                                                                                  |                                                                                                           |                                            |                                                    |                                                        |
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Date/Time: 9/21/2012 11:26:56 AM

Test Laboratory: RIM Testing Services

## DipoleValidation\_835MHz\_09\_21\_12\_Amb\_Tem\_24.7\_Liq\_Tem\_22.6C

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

Communication System: CW; Frequency: 835 MHz

Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.912 \text{ mho/m}$ ;  $\epsilon_r = 40.143$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASYS (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
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/d=15mm, Pin=1000mW/Area Scan (31x121x1):** Measurement

grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) =  $11.071 \text{ mW/g}$

**Configuration/d=15mm, Pin=1000mW/Zoom Scan (5x5x7) 2 2**

**(5x5x7)/Cube 0:** Measurement grid:  $dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$

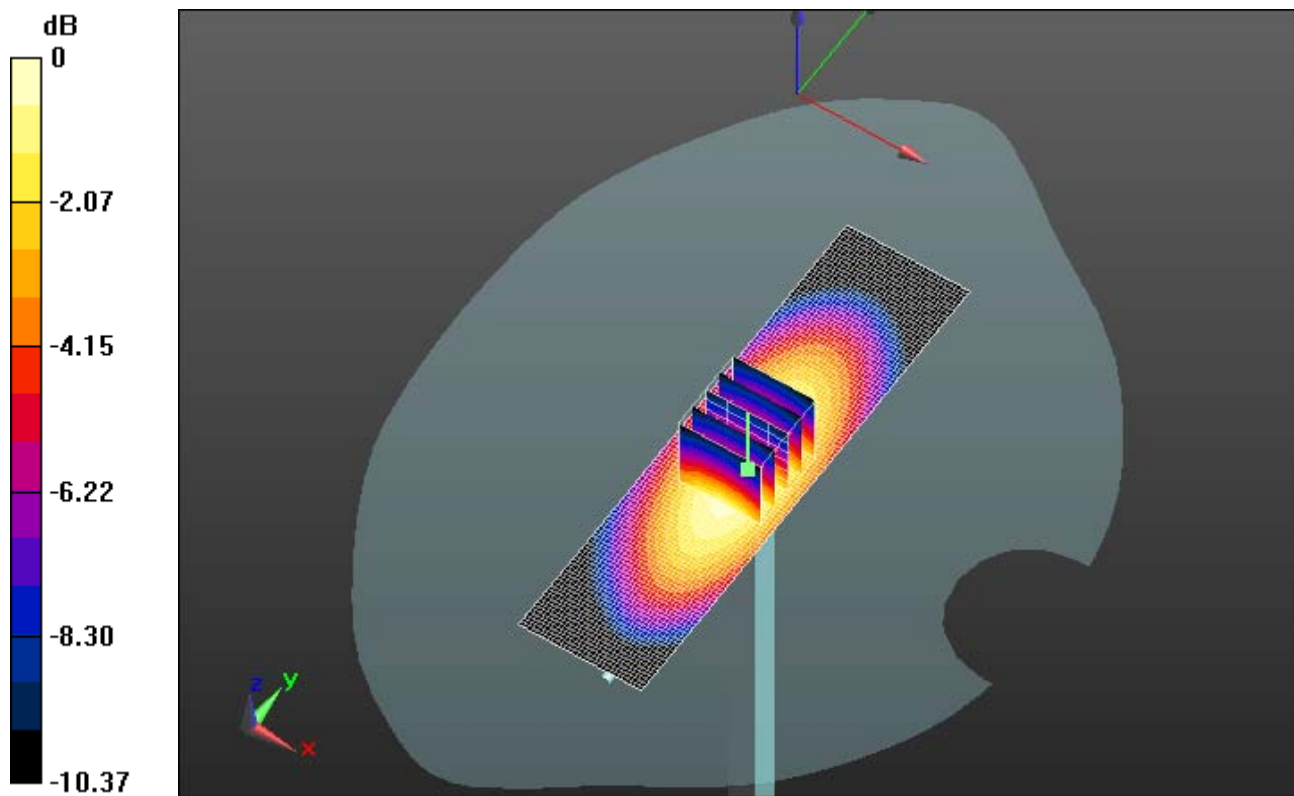
Reference Value =  $114.5 \text{ V/m}$ ; Power Drift =  $-0.02 \text{ dB}$

Peak SAR (extrapolated) =  $14.1700$

**SAR(1 g) =  $9.66 \text{ mW/g}$ ; SAR(10 g) =  $6.35 \text{ mW/g}$**

Maximum value of SAR (measured) =  $11.315 \text{ mW/g}$

|                                                                                  |                                                                                                           |                                            |                                                    |                                                        |
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| Author Data<br><b>Andrew Becker</b>                                              | Dates of Test<br><b>June 04 – October 29, 2012</b>                                                        | Test Report No<br><b>RTS-6012-1208-35B</b> | FCC ID:<br><b>L6ARFF90LW</b><br><b>L6ARFK120LW</b> | IC ID<br><b>2503A-RFF90LW</b><br><b>2503A-RFK120LW</b> |



0 dB = 11.320mW/g = 21.08 dB mW/g

|                                                                                  |                                                                                 |                                            |                                                    |                                                        |
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| Author Data<br><b>Andrew Becker</b>                                              | Dates of Test<br><b>June 04 – October 29, 2012</b>                              | Test Report No<br><b>RTS-6012-1208-35B</b> | FCC ID:<br><b>L6ARFF90LW</b><br><b>L6ARFK120LW</b> | IC ID<br><b>2503A-RFF90LW</b><br><b>2503A-RFK120LW</b> |

Date/Time: 9/24/2012 10:33:57 AM

Test Laboratory: RIM Testing Services

## DipoleValidation\_835MHz\_09\_24\_12\_Amb\_Tem\_24.2\_Liq\_Tem\_22.0C

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

Communication System: CW; Frequency: 835 MHz

Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.892 \text{ mho/m}$ ;  $\epsilon_r = 42.065$ ;  $\rho = 1000 \text{ kg/m}^3$

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:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 10.924 mW/g

**Configuration/d=15mm, Pin=1000mW/Zoom Scan (5x5x7) 2 2**

**(5x5x7)/Cube 0:** Measurement grid:  $dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$

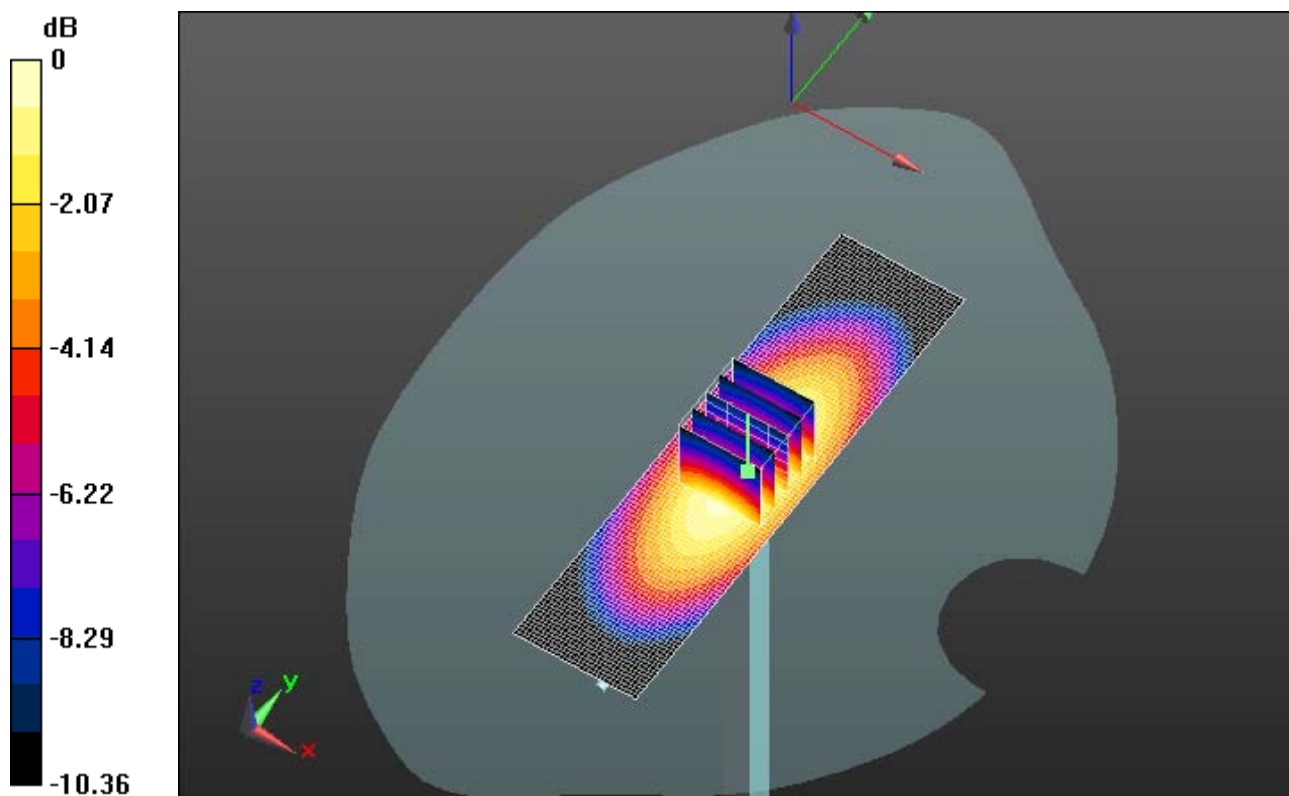
Reference Value = 116.4 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 14.0270

**SAR(1 g) = 9.54 mW/g; SAR(10 g) = 6.26 mW/g**

Maximum value of SAR (measured) = 11.195 mW/g

|                                                                                  |                                                                                                           |                                            |                                                    |                                                        |
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| Author Data<br><b>Andrew Becker</b>                                              | Dates of Test<br><b>June 04 – October 29, 2012</b>                                                        | Test Report No<br><b>RTS-6012-1208-35B</b> | FCC ID:<br><b>L6ARFF90LW</b><br><b>L6ARFK120LW</b> | IC ID<br><b>2503A-RFF90LW</b><br><b>2503A-RFK120LW</b> |



0 dB = 11.190mW/g = 20.98 dB mW/g

|                                                                                  |                                                                                                           |                                            |                                                    |                                                        |
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| Author Data<br><b>Andrew Becker</b>                                              | Dates of Test<br><b>June 04 – October 29, 2012</b>                                                        | Test Report No<br><b>RTS-6012-1208-35B</b> | FCC ID:<br><b>L6ARFF90LW</b><br><b>L6ARFK120LW</b> | IC ID<br><b>2503A-RFF90LW</b><br><b>2503A-RFK120LW</b> |

Date/Time: 6/13/2012 3:42:33 PM

Test Laboratory: RIM Testing Services

## DipoleValidation\_1800MHz\_06\_13\_12\_Amb\_Tem\_23.2\_Liq\_Tem\_22.0C

**DUT: Dipole 1800 MHz; Type: D1800V2; Serial: D1800V2 - SN:2d020**

Communication System: CW; Frequency: 1800 MHz

Medium parameters used:  $f = 1800 \text{ MHz}$ ;  $\sigma = 1.453 \text{ mho/m}$ ;  $\epsilon_r = 38.101$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASYS (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
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/d=10mm, Pin=1000mW/Area Scan (31x61x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
Maximum value of SAR (interpolated) = 46.920 mW/g

**Configuration/d=10mm, Pin=1000mW/Zoom Scan (5x5x7) 2 (5x5x7)/Cube**

**0:** Measurement grid:  $dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$

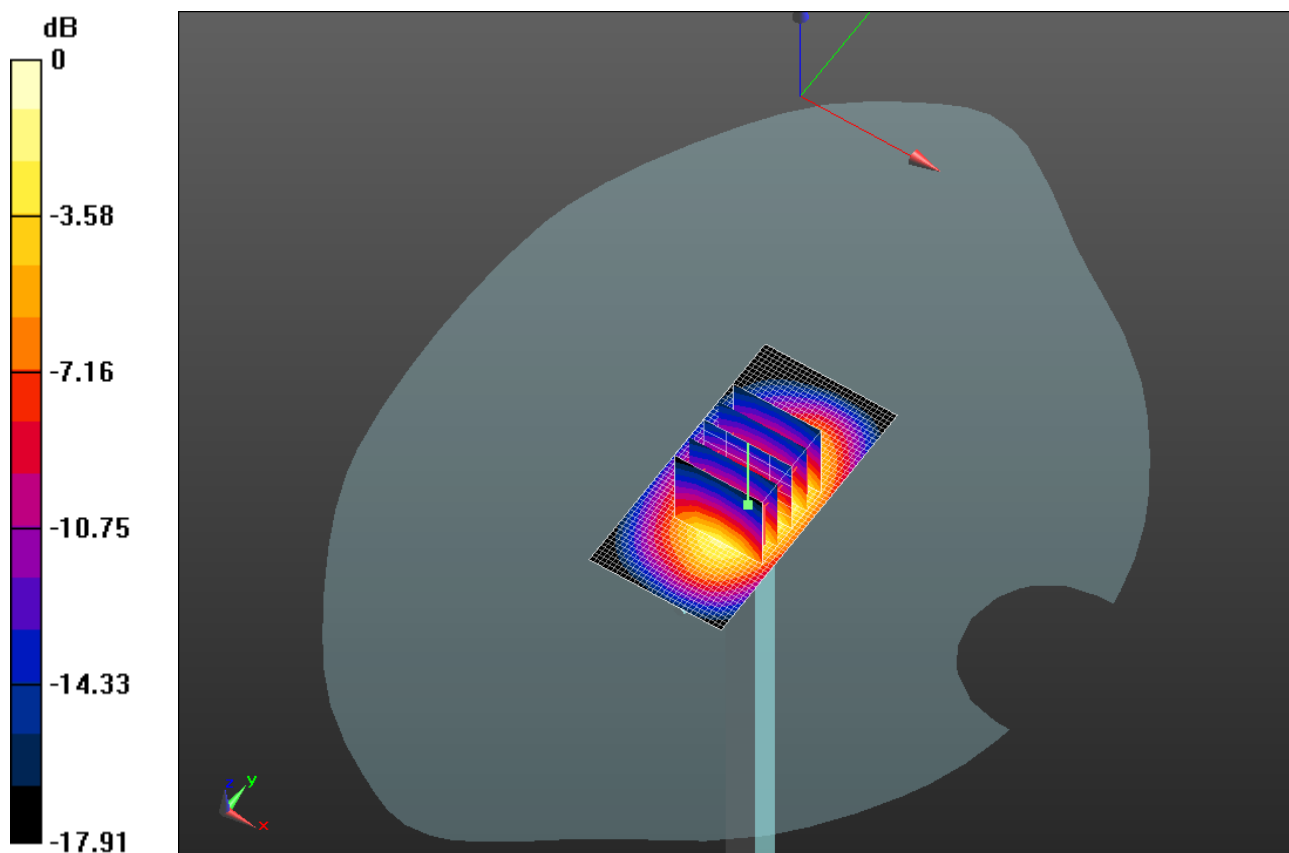
Reference Value = 181.5 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 68.0990

**SAR(1 g) = 37 mW/g; SAR(10 g) = 19.2 mW/g**

Maximum value of SAR (measured) = 46.902 mW/g

|                                                                                  |                                                                                                           |                                            |                                                    |                                                        |
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| Author Data<br><b>Andrew Becker</b>                                              | Dates of Test<br><b>June 04 – October 29, 2012</b>                                                        | Test Report No<br><b>RTS-6012-1208-35B</b> | FCC ID:<br><b>L6ARFF90LW</b><br><b>L6ARFK120LW</b> | IC ID<br><b>2503A-RFF90LW</b><br><b>2503A-RFK120LW</b> |



0 dB = 46.900mW/g = 33.42 dB mW/g

|                                                                                  |                                                                                 |                                            |                                                    |                                                        |
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| Author Data<br><b>Andrew Becker</b>                                              | Dates of Test<br><b>June 04 – October 29, 2012</b>                              | Test Report No<br><b>RTS-6012-1208-35B</b> | FCC ID:<br><b>L6ARFF90LW</b><br><b>L6ARFK120LW</b> | IC ID<br><b>2503A-RFF90LW</b><br><b>2503A-RFK120LW</b> |

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Test Laboratory: RIM Testing Services

## DipoleValidation\_1800MHz\_06\_18\_12\_Amb\_Tem\_23.3\_Liq\_Tem\_22.2C

**DUT: Dipole 1800 MHz; Type: D1800V2; Serial: D1800V2 - SN:2d020**

Communication System: CW; Frequency: 1800 MHz

Medium parameters used:  $f = 1800 \text{ MHz}$ ;  $\sigma = 1.437 \text{ mho/m}$ ;  $\epsilon_r = 38.148$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASYS (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
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/d=10mm, Pin=1000mW/Area Scan (31x61x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
Maximum value of SAR (interpolated) = 46.997 mW/g

**Configuration/d=10mm, Pin=1000mW/Zoom Scan (5x5x7) 2 (5x5x7)/Cube**

**0:** Measurement grid:  $dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$

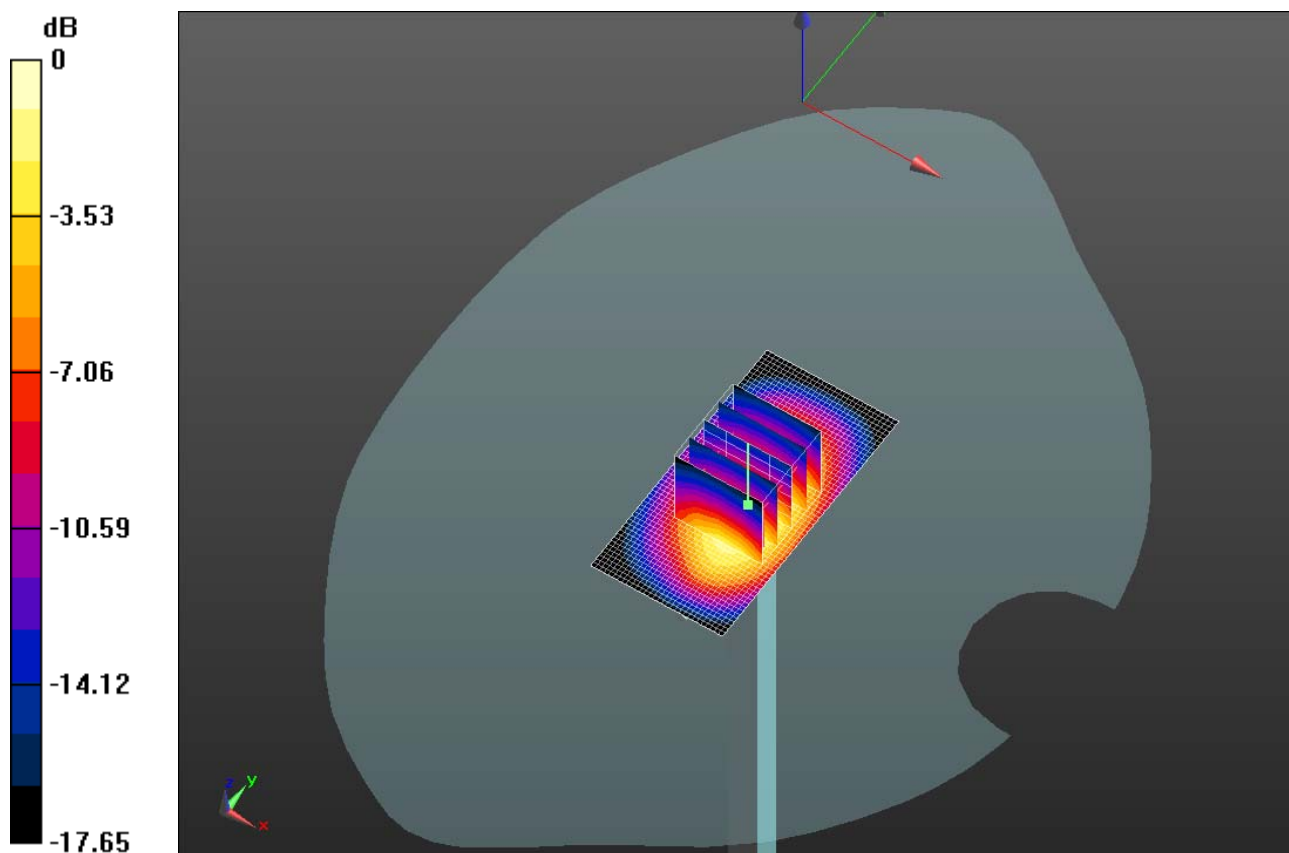
Reference Value = 188.2 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 68.7990

**SAR(1 g) = 37.4 mW/g; SAR(10 g) = 19.5 mW/g**

Maximum value of SAR (measured) = 47.689 mW/g

|                                                                                  |                                                                                                           |                                            |                                                    |                                                        |
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| Author Data<br><b>Andrew Becker</b>                                              | Dates of Test<br><b>June 04 – October 29, 2012</b>                                                        | Test Report No<br><b>RTS-6012-1208-35B</b> | FCC ID:<br><b>L6ARFF90LW</b><br><b>L6ARFK120LW</b> | IC ID<br><b>2503A-RFF90LW</b><br><b>2503A-RFK120LW</b> |



0 dB = 47.690mW/g = 33.57 dB mW/g

|                                                                                  |                                                                                 |                                            |                                                    |                                                        |
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| Author Data<br><b>Andrew Becker</b>                                              | Dates of Test<br><b>June 04 – October 29, 2012</b>                              | Test Report No<br><b>RTS-6012-1208-35B</b> | FCC ID:<br><b>L6ARFF90LW</b><br><b>L6ARFK120LW</b> | IC ID<br><b>2503A-RFF90LW</b><br><b>2503A-RFK120LW</b> |

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Test Laboratory: RIM Testing Services

## DipoleValidation\_1800MHz\_09\_12\_12\_Amb\_Tem\_24.4\_Liq\_Tem\_22.9C

**DUT: Dipole 1800 MHz; Type: D1800V2; Serial: D1800V2 - SN:2d020**

Communication System: CW; Frequency: 1800 MHz

Medium parameters used:  $f = 1800 \text{ MHz}$ ;  $\sigma = 1.464 \text{ mho/m}$ ;  $\epsilon_r = 38.541$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

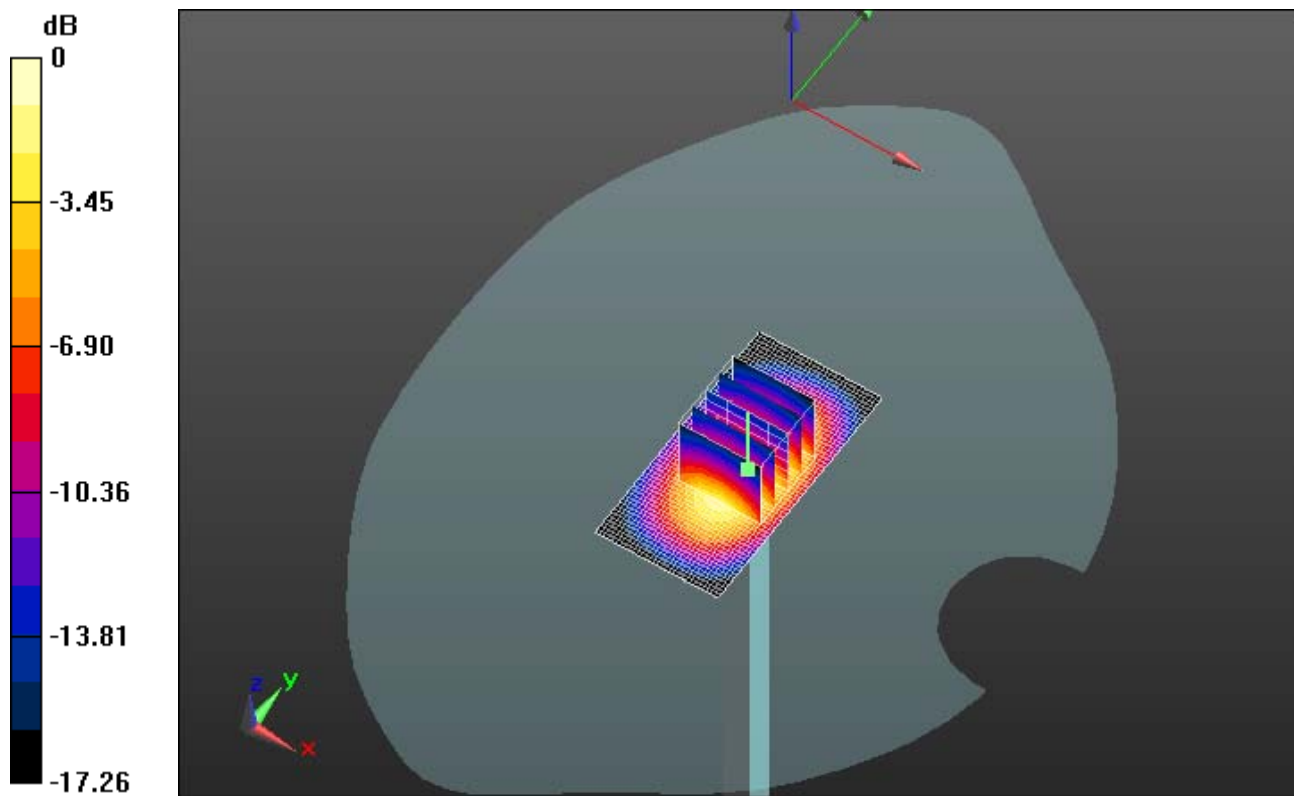
DASY Configuration:

- 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
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/d=10mm, Pin=1000mW/Area Scan (31x61x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
Maximum value of SAR (interpolated) = 45.086 mW/g

**Configuration/d=10mm, Pin=1000mW/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid:  $dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value = 183.7 V/m; Power Drift = 0.02 dB  
Peak SAR (extrapolated) = 65.8140  
**SAR(1 g) = 36.2 mW/g; SAR(10 g) = 19 mW/g**  
Maximum value of SAR (measured) = 46.064 mW/g

|                                                                                  |                                                                                                           |                                            |                                                    |                                                        |
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| Author Data<br><b>Andrew Becker</b>                                              | Dates of Test<br><b>June 04 – October 29, 2012</b>                                                        | Test Report No<br><b>RTS-6012-1208-35B</b> | FCC ID:<br><b>L6ARFF90LW</b><br><b>L6ARFK120LW</b> | IC ID<br><b>2503A-RFF90LW</b><br><b>2503A-RFK120LW</b> |



0 dB = 46.060mW/g = 33.27 dB mW/g

|                                                                                  |                                                                                 |                                            |                                                    |                                                        |        |
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Test Laboratory: RIM Testing Services

## DipoleValidation\_1800MHz\_10\_25\_12\_Amb\_Tem\_23.8\_Liq\_Tem\_22.7C

**DUT: Dipole 1800 MHz; Type: D1800V2; Serial: D1800V2 - SN:2d020**

Communication System: CW; Frequency: 1800 MHz

Medium parameters used:  $f = 1800 \text{ MHz}$ ;  $\sigma = 1.433 \text{ mho/m}$ ;  $\epsilon_r = 38.755$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASYS (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
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/d=10mm, Pin=1000mW/Area Scan (31x61x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 45.065 mW/g

**Configuration/d=10mm, Pin=1000mW/Zoom Scan (5x5x7) 2 (5x5x7)/Cube**

**0:** Measurement grid:  $dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$

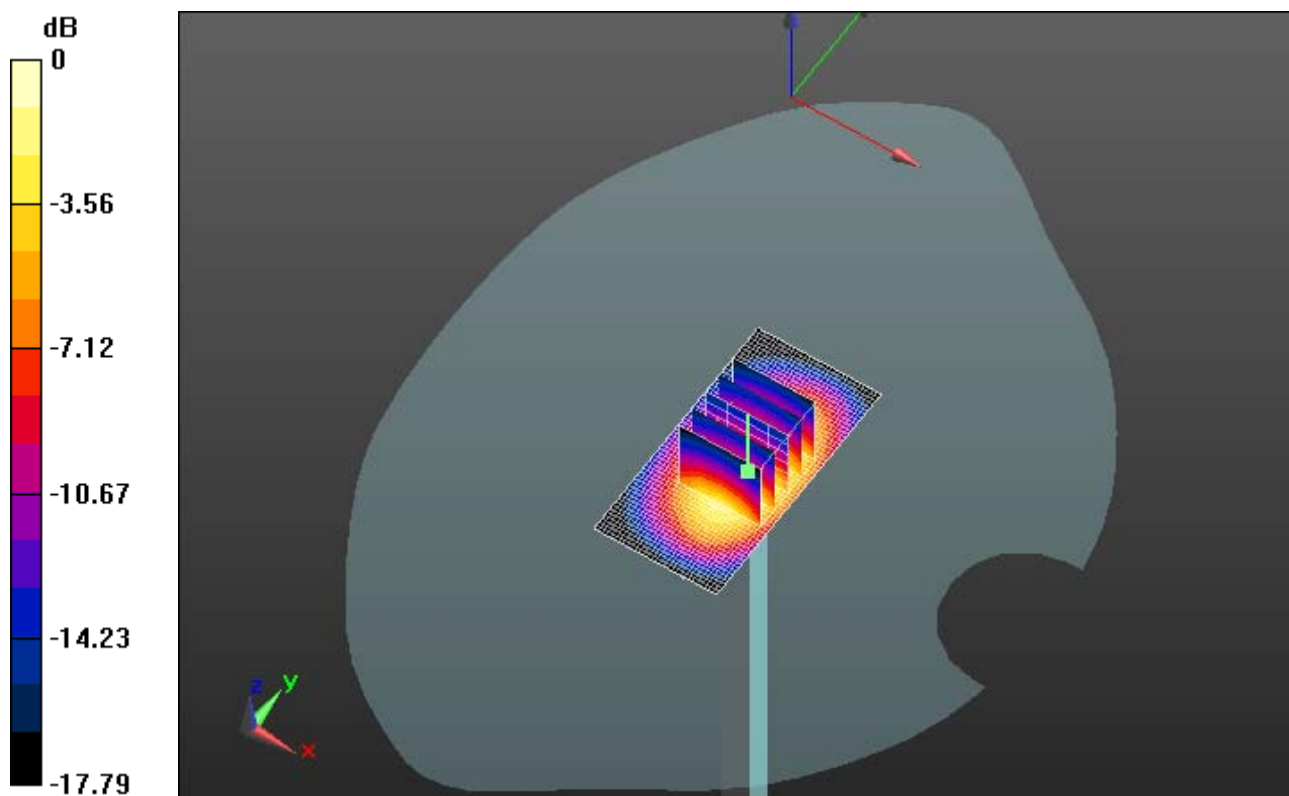
Reference Value = 182.7 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 66.5230

**SAR(1 g) = 35.8 mW/g; SAR(10 g) = 18.6 mW/g**

Maximum value of SAR (measured) = 45.941 mW/g

|                                                                                  |                                                                                                           |                                            |                                                    |                                                        |
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0 dB = 45.940mW/g = 33.24 dB mW/g

|                                                                                  |                                                                                                           |                                            |                                                    |                                                        |
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| Author Data<br><b>Andrew Becker</b>                                              | Dates of Test<br><b>June 04 – October 29, 2012</b>                                                        | Test Report No<br><b>RTS-6012-1208-35B</b> | FCC ID:<br><b>L6ARFF90LW</b><br><b>L6ARFK120LW</b> | IC ID<br><b>2503A-RFF90LW</b><br><b>2503A-RFK120LW</b> |

Date/Time: 6/10/2012 9:21:00 PM

Test Laboratory: RIM Testing Services

## DipoleValidation\_1900MHz\_06\_10\_12\_Amb\_Tem\_23.2\_Liq\_Tem\_21.4C

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

Communication System: CW; Frequency: 1900 MHz

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.379$  mho/m;  $\epsilon_r = 38.423$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (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
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/d=10mm, Pin=1000mW/Area Scan (31x61x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (interpolated) = 49.680 mW/g

**Configuration/d=10mm, Pin=1000mW/Zoom Scan (5x5x7) 2 (5x5x7)/Cube**

**0:** Measurement grid:  $dx=7.5$ mm,  $dy=7.5$ mm,  $dz=5$ mm

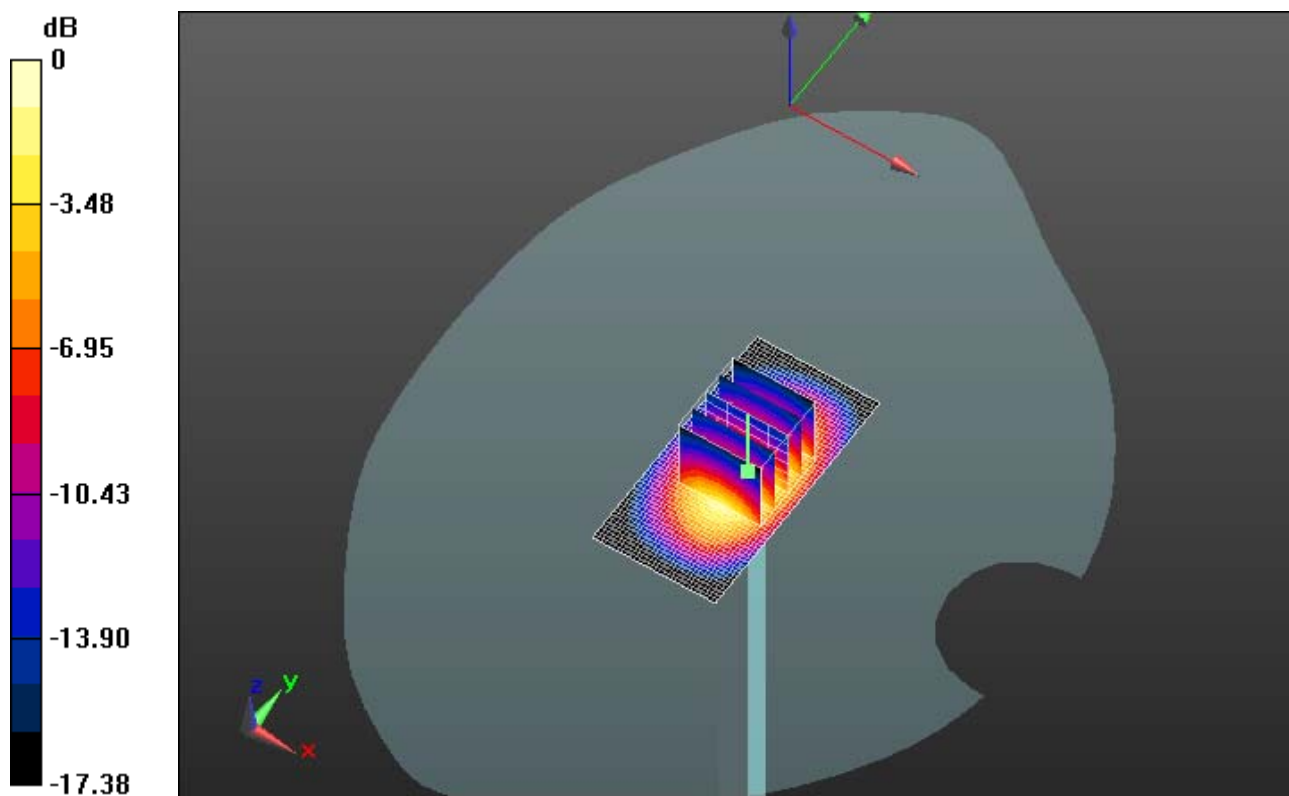
Reference Value = 195.1 V/m; Power Drift = 0.00074 dB

Peak SAR (extrapolated) = 71.4580

**SAR(1 g) = 39.2 mW/g; SAR(10 g) = 20.4 mW/g**

Maximum value of SAR (measured) = 50.084 mW/g

|                                                                                  |                                                                                                           |                                            |                                                    |                                                        |
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0 dB = 50.080mW/g = 33.99 dB mW/g

|                                                                                  |                                                                                     |                                            |                                                    |                                                        |
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Date/Time: 6/12/2012 6:17:23 PM

Test Laboratory: RIM Testing Services

## DipoleValidation\_1900MHz\_06\_12\_12\_Amb\_Tem\_23.1\_Liq\_Tem\_21.3C

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

Communication System: CW; Frequency: 1900 MHz

Medium parameters used:  $f = 1900 \text{ MHz}$ ;  $\sigma = 1.402 \text{ mho/m}$ ;  $\epsilon_r = 38.675$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

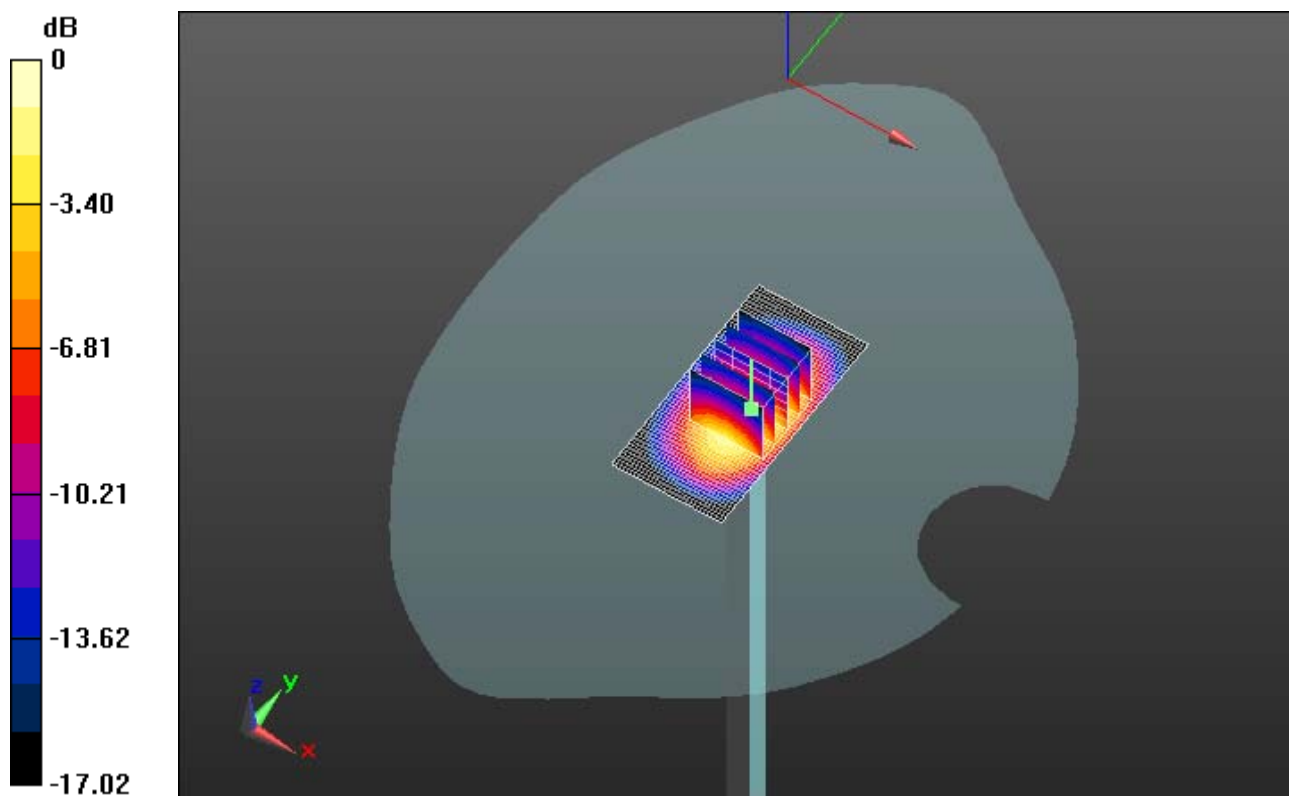
DASY Configuration:

- 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
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/d=10mm, Pin=1000mW/Area Scan (31x61x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
Maximum value of SAR (interpolated) = 50.120 mW/g

**Configuration/d=10mm, Pin=1000mW/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid:  $dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value = 194.3 V/m; Power Drift = 0.02 dB  
Peak SAR (extrapolated) = 71.0030  
**SAR(1 g) = 39.8 mW/g; SAR(10 g) = 21 mW/g**  
Maximum value of SAR (measured) = 50.248 mW/g

|                                                                                  |                                                                                                           |                                            |                                                    |                                                        |
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| Author Data<br><b>Andrew Becker</b>                                              | Dates of Test<br><b>June 04 – October 29, 2012</b>                                                        | Test Report No<br><b>RTS-6012-1208-35B</b> | FCC ID:<br><b>L6ARFF90LW</b><br><b>L6ARFK120LW</b> | IC ID<br><b>2503A-RFF90LW</b><br><b>2503A-RFK120LW</b> |



0 dB = 50.250mW/g = 34.02 dB mW/g

|                                                                                  |                                                                                               |                                            |                                                    |                                                        |
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| Author Data<br><b>Andrew Becker</b>                                              | Dates of Test<br><b>June 04 – October 29, 2012</b>                                            | Test Report No<br><b>RTS-6012-1208-35B</b> | FCC ID:<br><b>L6ARFF90LW</b><br><b>L6ARFK120LW</b> | IC ID<br><b>2503A-RFF90LW</b><br><b>2503A-RFK120LW</b> |

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Test Laboratory: RIM Testing Services

## DipoleValidation\_1900MHz\_09\_27\_12\_Amb\_Tem\_25.2\_Liq\_Tem\_22.5C

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

Communication System: CW; Frequency: 1900 MHz

Medium parameters used:  $f = 1900 \text{ MHz}$ ;  $\sigma = 1.399 \text{ mho/m}$ ;  $\epsilon_r = 38.115$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASYS (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
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/d=10mm, Pin=1000mW/Area Scan (31x61x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
Maximum value of SAR (interpolated) = 51.329 mW/g

**Configuration/d=10mm, Pin=1000mW/Zoom Scan (5x5x7) 2 (5x5x7)/Cube**

**0:** Measurement grid:  $dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$

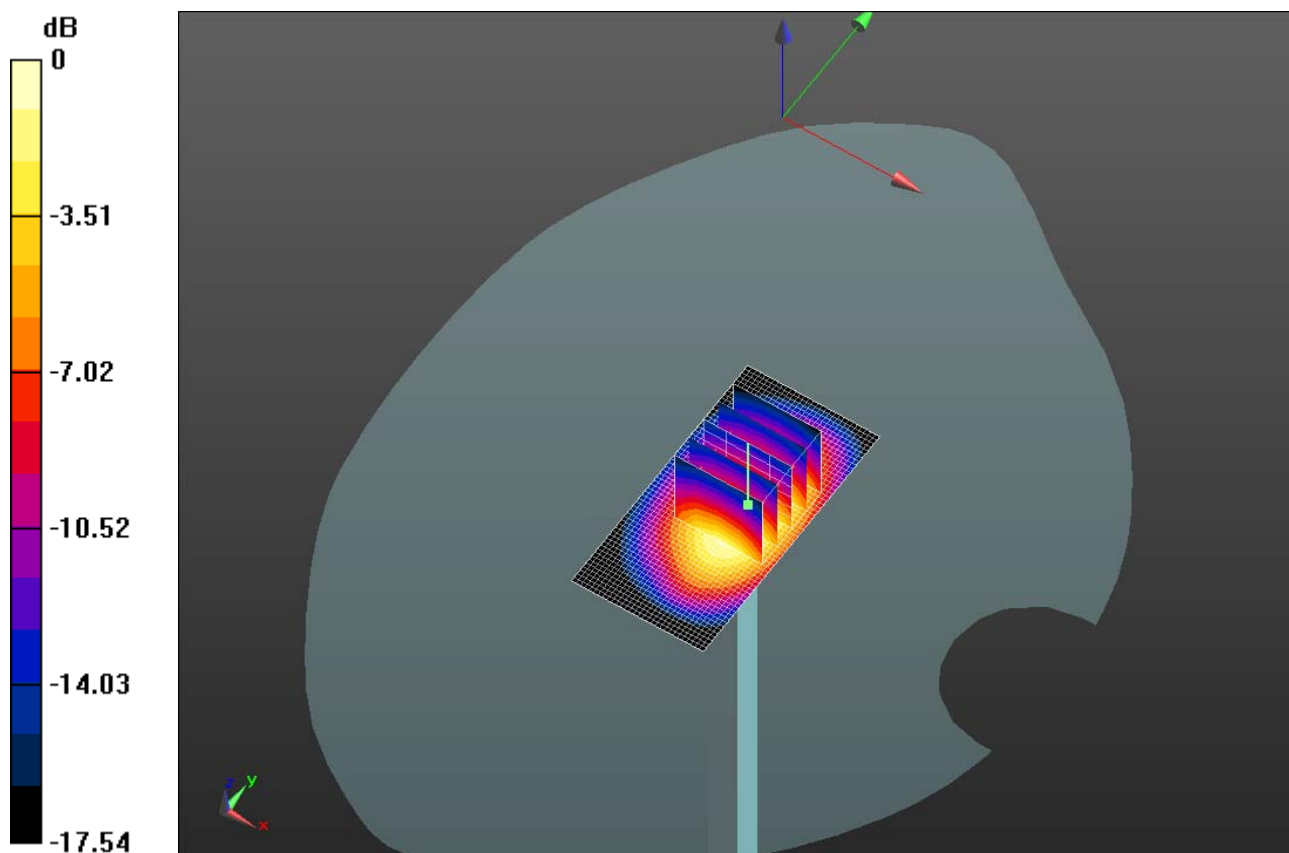
Reference Value = 192.0 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 72.1330

**SAR(1 g) = 40 mW/g; SAR(10 g) = 21 mW/g**

Maximum value of SAR (measured) = 50.726 mW/g

|                                                                                  |                                                                                                           |                                            |                                                    |                                                        |
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| Author Data<br><b>Andrew Becker</b>                                              | Dates of Test<br><b>June 04 – October 29, 2012</b>                                                        | Test Report No<br><b>RTS-6012-1208-35B</b> | FCC ID:<br><b>L6ARFF90LW</b><br><b>L6ARFK120LW</b> | IC ID<br><b>2503A-RFF90LW</b><br><b>2503A-RFK120LW</b> |



0 dB = 50.730mW/g = 34.11 dB mW/g

|                                                                                  |                                                                                                           |                                            |                                                    |                                                        |
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| Author Data<br><b>Andrew Becker</b>                                              | Dates of Test<br><b>June 04 – October 29, 2012</b>                                                        | Test Report No<br><b>RTS-6012-1208-35B</b> | FCC ID:<br><b>L6ARFF90LW</b><br><b>L6ARFK120LW</b> | IC ID<br><b>2503A-RFF90LW</b><br><b>2503A-RFK120LW</b> |

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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;  $\sigma = 1.373$  mho/m;  $\epsilon_r = 38.295$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (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
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/d=10mm, Pin=1000mW/Area Scan (31x61x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (interpolated) = 48.477 mW/g

**Configuration/d=10mm, Pin=1000mW/Zoom Scan (5x5x7) 2 (5x5x7)/Cube**

**0:** Measurement grid:  $dx=7.5$ mm,  $dy=7.5$ mm,  $dz=5$ mm

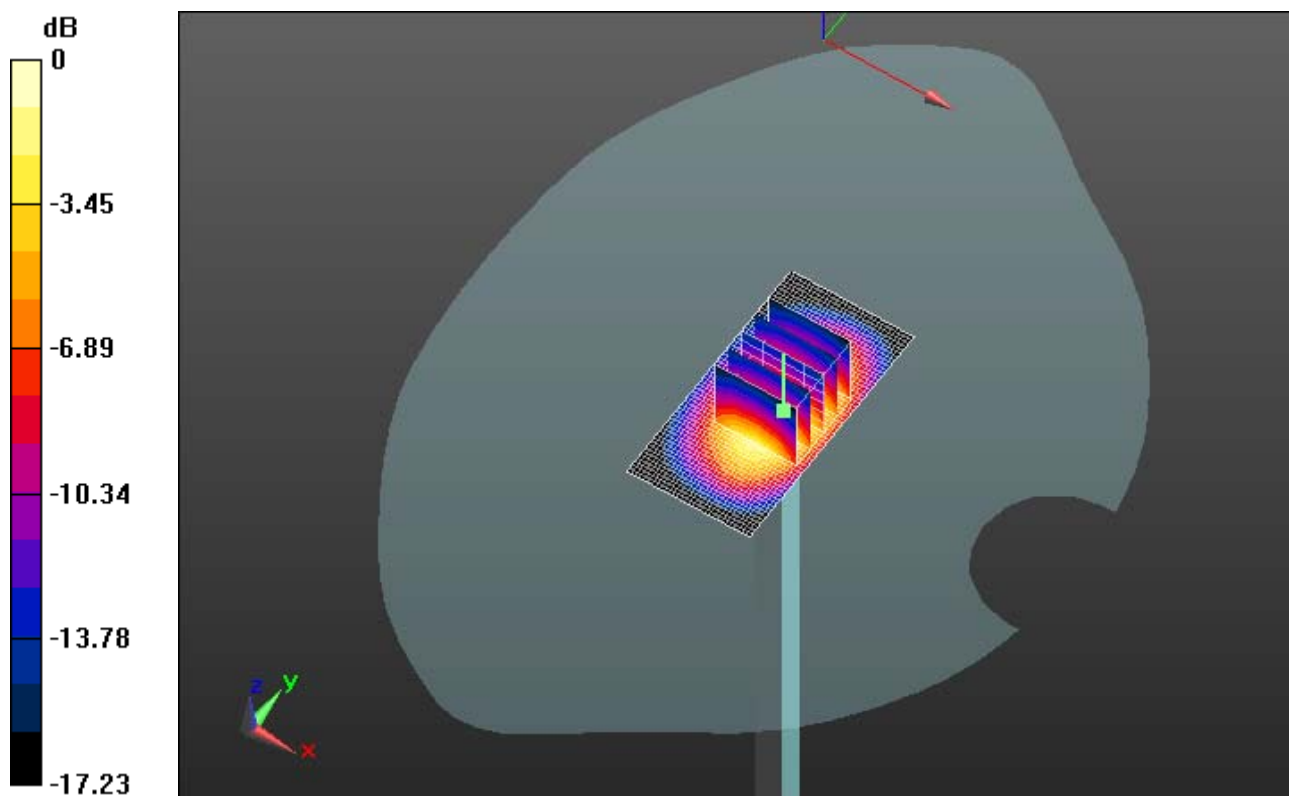
Reference Value = 193.3 V/m; Power Drift = -0.0042 dB

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

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

|                                                                                  |                                                                                 |                                            |                                                    |                                                        |
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Test Laboratory: RIM Testing Services

## DipoleValidation\_2450MHz\_06\_20\_12\_Amb\_Tem\_23.4Liq\_Tem\_22.6C

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

Communication System: CW; Frequency: 2450 MHz

Medium parameters used:  $f = 2450 \text{ MHz}$ ;  $\sigma = 1.771 \text{ mho/m}$ ;  $\epsilon_r = 38.25$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASYS (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
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/d=10mm, Pin=1000mW/Area Scan (31x41x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
Maximum value of SAR (interpolated) = 69.488 mW/g

**Configuration/d=10mm, Pin=1000mW/Zoom Scan (5x5x7) 2 (5x5x7)/Cube**

**0:** Measurement grid:  $dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$

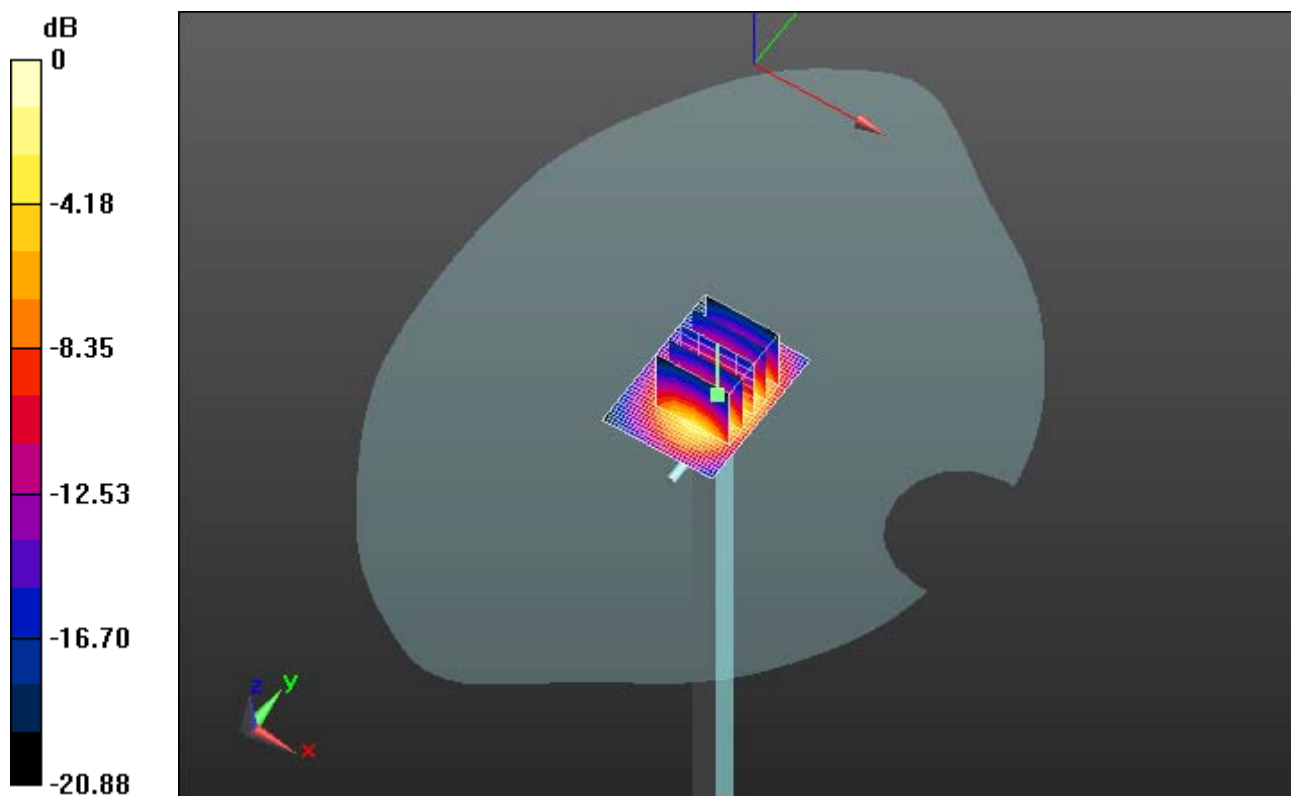
Reference Value = 204.4 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 104.50

**SAR(1 g) = 52.8 mW/g; SAR(10 g) = 25.1 mW/g**

Maximum value of SAR (measured) = 69.039 mW/g

|                                                                                  |                                                                                                           |                                            |                                                    |                                                        |
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| Author Data<br><b>Andrew Becker</b>                                              | Dates of Test<br><b>June 04 – October 29, 2012</b>                                                        | Test Report No<br><b>RTS-6012-1208-35B</b> | FCC ID:<br><b>L6ARFF90LW</b><br><b>L6ARFK120LW</b> | IC ID<br><b>2503A-RFF90LW</b><br><b>2503A-RFK120LW</b> |



0 dB = 69.040mW/g = 36.78 dB mW/g

|                                                                                  |                                                                                                 |                                            |                                                    |                                                        |
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Test Laboratory: RIM Testing Services

## DipoleValidation\_2450MHz\_09\_13\_12\_Amb\_Tem\_23.7\_Liq\_Tem\_22.2C

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

Communication System: CW; Frequency: 2450 MHz

Medium parameters used:  $f = 2450 \text{ MHz}$ ;  $\sigma = 1.758 \text{ mho/m}$ ;  $\epsilon_r = 37.704$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASYS (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
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/d=10mm, Pin=1000mW/Area Scan (31x41x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
Maximum value of SAR (interpolated) = 69.825 mW/g

**Configuration/d=10mm, Pin=1000mW/Zoom Scan (5x5x7) 2 (5x5x7)/Cube**

**0:** Measurement grid:  $dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$

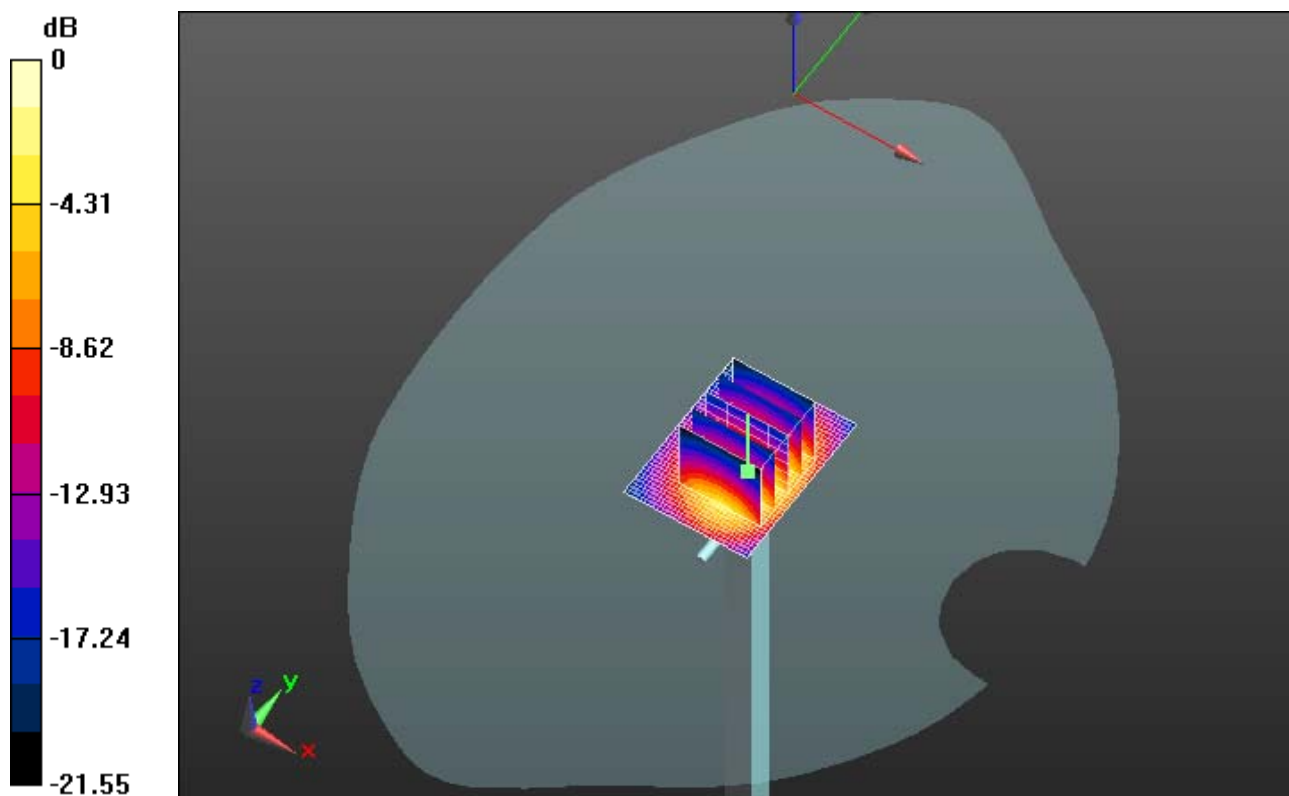
Reference Value = 201.4 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 105.20

**SAR(1 g) = 52.5 mW/g; SAR(10 g) = 24.7 mW/g**

Maximum value of SAR (measured) = 68.389 mW/g

|                                                                                  |                                                                                                           |                                            |                                                    |                                                        |
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0 dB = 68.390mW/g = 36.70 dB mW/g

|                                                                                  |                                                                                                           |                                            |                                                    |                                                        |
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| Author Data<br><b>Andrew Becker</b>                                              | Dates of Test<br><b>June 04 – October 29, 2012</b>                                                        | Test Report No<br><b>RTS-6012-1208-35B</b> | FCC ID:<br><b>L6ARFF90LW</b><br><b>L6ARFK120LW</b> | IC ID<br><b>2503A-RFF90LW</b><br><b>2503A-RFK120LW</b> |

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Test Laboratory: RIM Testing Services

## Dipole Validation\_5200

**MHz\_06\_22\_12\_Amb\_Tem\_23.2\_Liq\_Tem\_21.5C**

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

Communication System: CW; Frequency: 5200 MHz

Medium parameters used:  $f = 5200$  MHz;  $\sigma = 4.637$  mho/m;  $\epsilon_r = 35.482$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF(4.5, 4.5, 4.5); 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
- DASYS 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) = 177.4 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

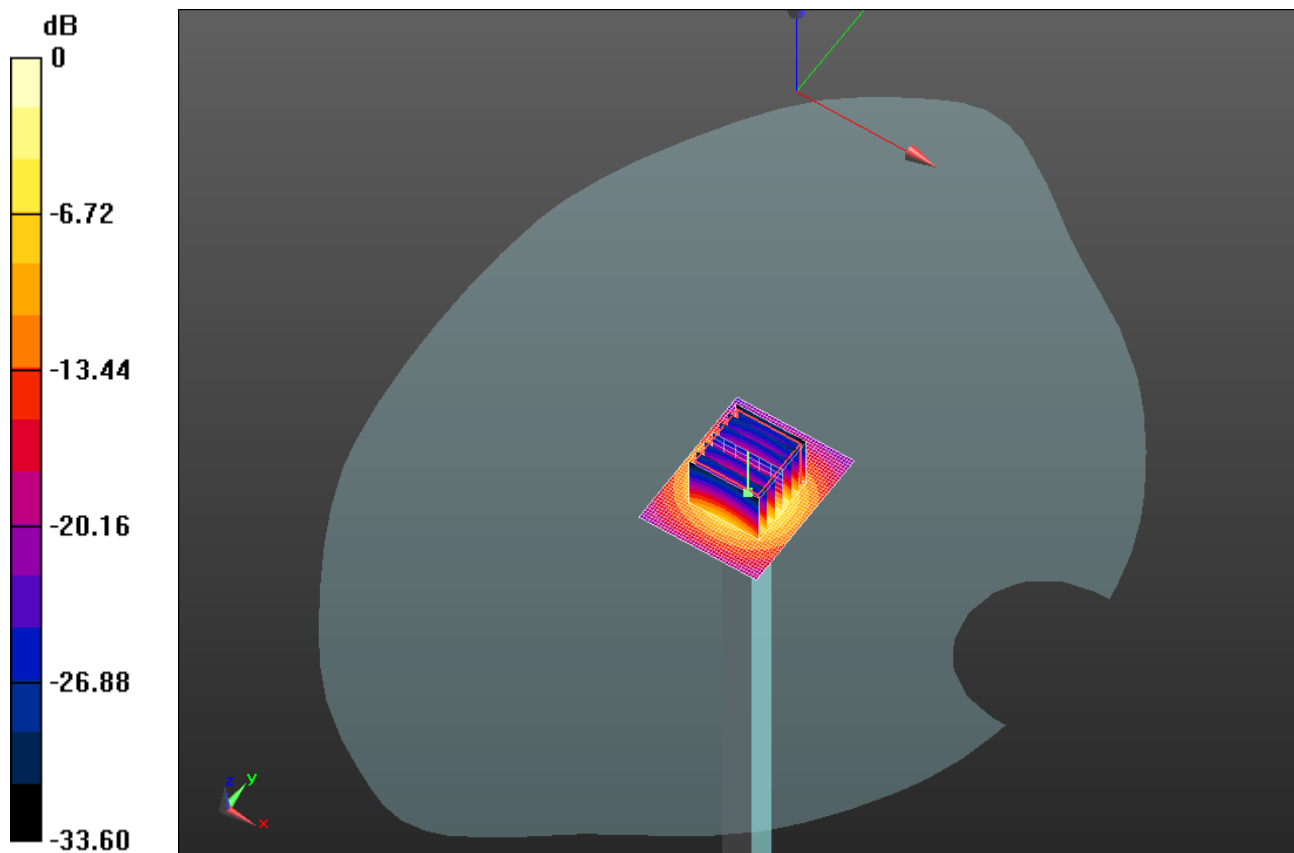
Reference Value = 202.9 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 293.60

**SAR(1 g) = 79.3 mW/g; SAR(10 g) = 22.9 mW/g**

Maximum value of SAR (measured) = 165.0 mW/g

|                                                                                  |                                                                                                           |                                            |                                                    |                                                        |
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0 dB = 165.0mW/g = 44.35 dB mW/g

|                                                                                  |                                                                                                           |                                            |                                                    |                                                        |
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Test Laboratory: RIM Testing Services

## Dipole Validation\_5200

**MHz\_06\_25\_12\_Amb\_Tem\_23.8\_Liq\_Tem\_21.8C**

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

Communication System: CW; Frequency: 5200 MHz

Medium parameters used:  $f = 5200$  MHz;  $\sigma = 4.652$  mho/m;  $\epsilon_r = 35.544$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF(4.5, 4.5, 4.5); 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
- DASYS 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) = 194.2 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

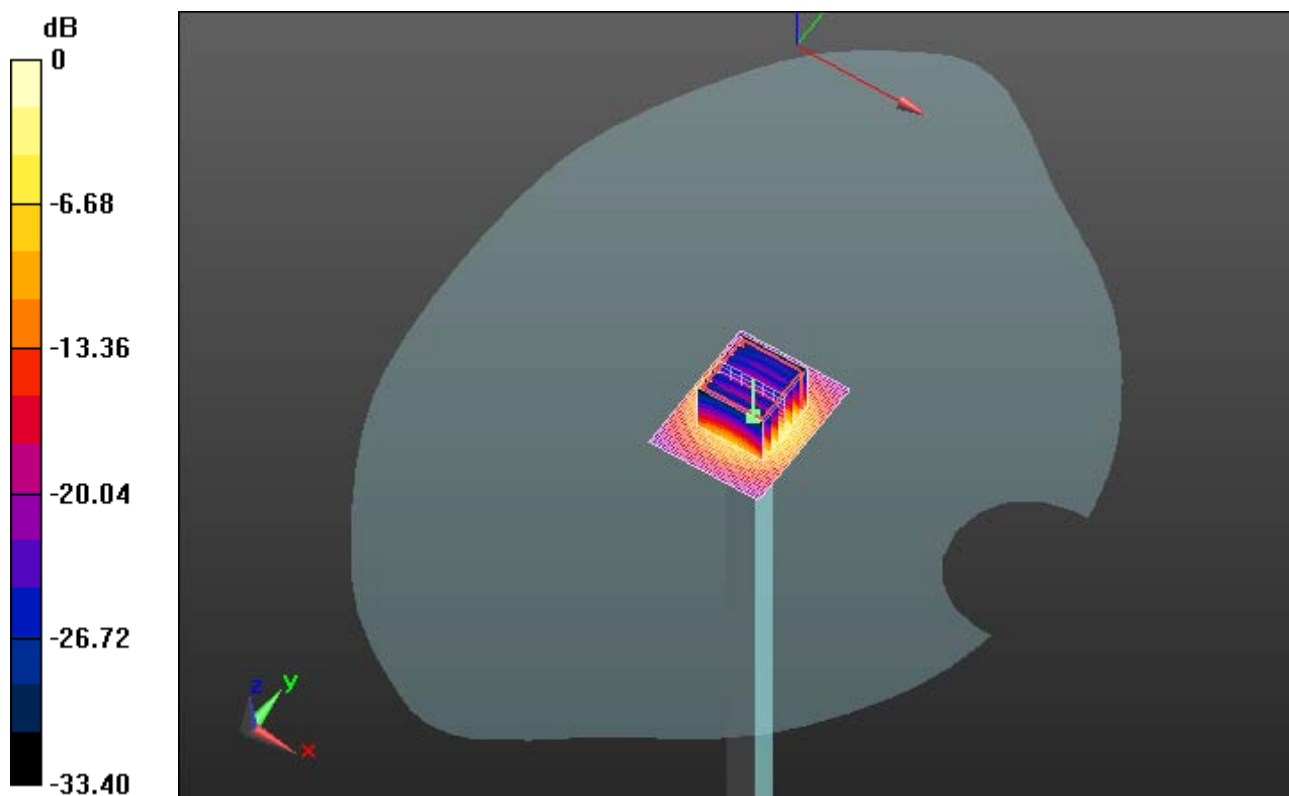
Reference Value = 206.6 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 306.40

**SAR(1 g) = 83.8 mW/g; SAR(10 g) = 24.3 mW/g**

Maximum value of SAR (measured) = 173.4 mW/g

|                                                                                  |                                                                                                           |                                            |                                                    |                                                        |
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0 dB = 173.4mW/g = 44.78 dB mW/g

|                                                                                  |                                                                                                           |                                            |                                                    |                                                        |
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Test Laboratory: RIM Testing Services

## Dipole Validation\_5500

**MHz\_06\_22\_12\_Amb\_Tem\_23.6\_Liq\_Tem\_21.7C**

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

Communication System: CW-5GHz; Frequency: 5500 MHz

Medium parameters used:  $f = 5500$  MHz;  $\sigma = 4.967$  mho/m;  $\epsilon_r = 34.381$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF(4.25, 4.25, 4.25); 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
- DASYS 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 (91x91x1):** Measurement grid:

$dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 171.8 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:  $dx=4$ mm,  $dy=4$ mm,  $dz=2.5$ mm

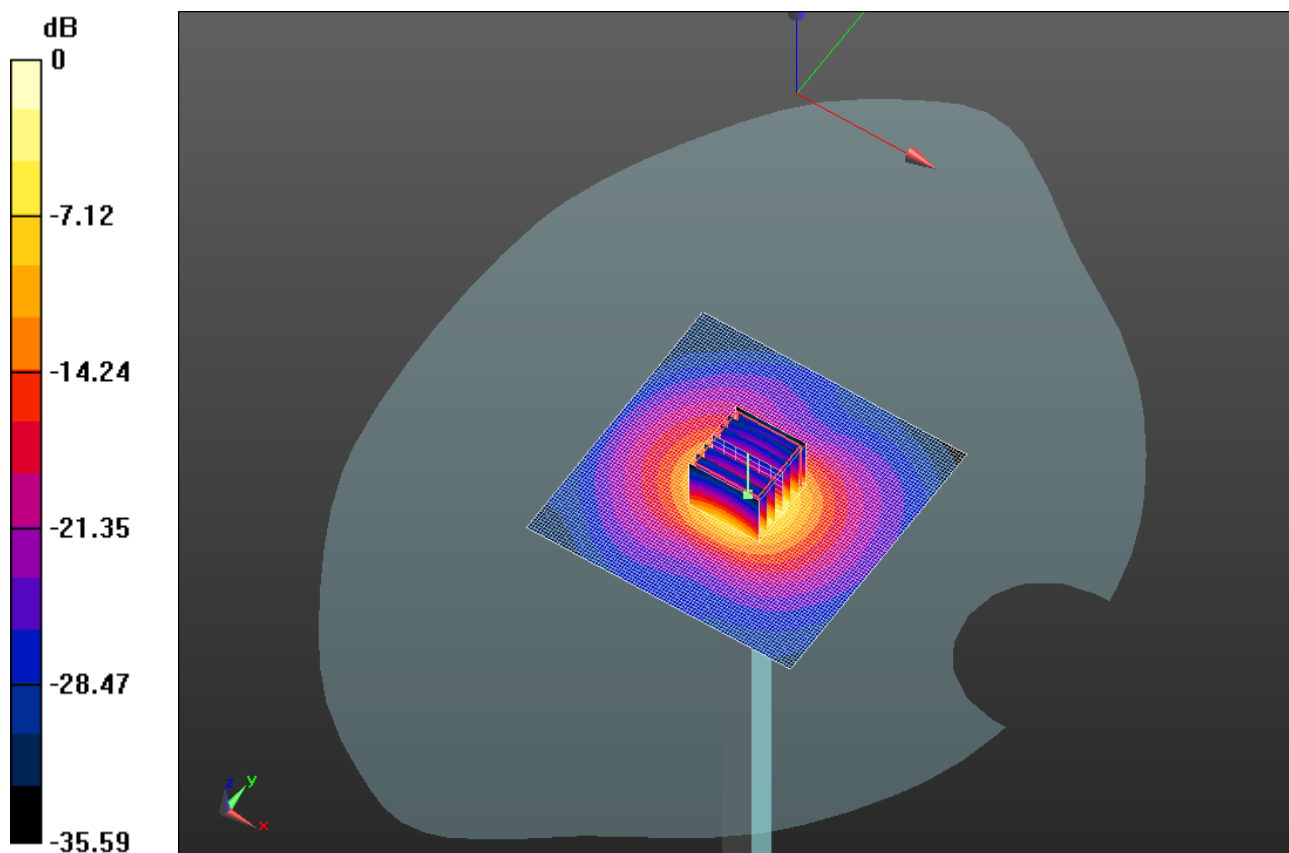
Reference Value = 201.0 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 308.00

**SAR(1 g) = 81.1 mW/g; SAR(10 g) = 23 mW/g**

Maximum value of SAR (measured) = 171.2 mW/g

|                                                                                  |                                                                                                           |                                            |                                                    |                                                        |
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| Author Data<br><b>Andrew Becker</b>                                              | Dates of Test<br><b>June 04 – October 29, 2012</b>                                                        | Test Report No<br><b>RTS-6012-1208-35B</b> | FCC ID:<br><b>L6ARFF90LW</b><br><b>L6ARFK120LW</b> | IC ID<br><b>2503A-RFF90LW</b><br><b>2503A-RFK120LW</b> |



0 dB = 171.2mW/g = 44.67 dB mW/g

|                                                                                  |                                                                                                           |                                            |                                                    |                                                        |
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| Author Data<br><b>Andrew Becker</b>                                              | Dates of Test<br><b>June 04 – October 29, 2012</b>                                                        | Test Report No<br><b>RTS-6012-1208-35B</b> | FCC ID:<br><b>L6ARFF90LW</b><br><b>L6ARFK120LW</b> | IC ID<br><b>2503A-RFF90LW</b><br><b>2503A-RFK120LW</b> |

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Test Laboratory: RIM Testing Services

## Dipole Validation\_5500

**MHz\_06\_25\_12\_Amb\_Tem\_23.3\_Liq\_Tem\_21.8C**

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

Communication System: CW-5GHz; Frequency: 5500 MHz

Medium parameters used:  $f = 5500$  MHz;  $\sigma = 4.967$  mho/m;  $\epsilon_r = 34.381$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF(4.25, 4.25, 4.25); 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
- DASYS 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 (91x91x1):** Measurement grid:

$dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 191.6 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:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=2.5\text{mm}$

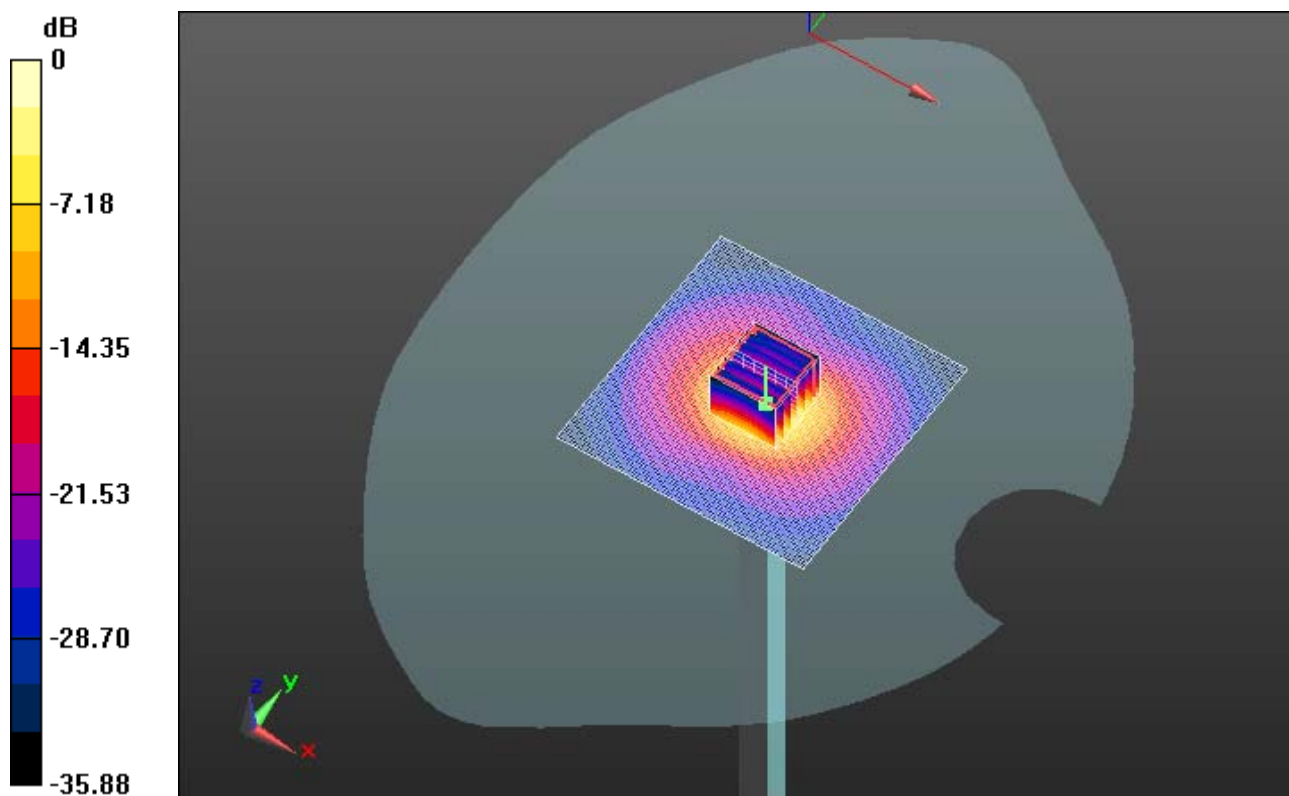
Reference Value = 209.9 V/m; Power Drift = -0.0093 dB

Peak SAR (extrapolated) = 346.00

**SAR(1 g) = 89.3 mW/g; SAR(10 g) = 25.2 mW/g**

Maximum value of SAR (measured) = 189.2 mW/g

|                                                                                  |                                                                                                           |                                            |                                                    |                                                        |
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| Author Data<br><b>Andrew Becker</b>                                              | Dates of Test<br><b>June 04 – October 29, 2012</b>                                                        | Test Report No<br><b>RTS-6012-1208-35B</b> | FCC ID:<br><b>L6ARFF90LW</b><br><b>L6ARFK120LW</b> | IC ID<br><b>2503A-RFF90LW</b><br><b>2503A-RFK120LW</b> |



0 dB = 189.2mW/g = 45.54 dB mW/g

|                                                                                  |                                                                                                           |                                            |                                                    |                                                        |
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| Author Data<br><b>Andrew Becker</b>                                              | Dates of Test<br><b>June 04 – October 29, 2012</b>                                                        | Test Report No<br><b>RTS-6012-1208-35B</b> | FCC ID:<br><b>L6ARFF90LW</b><br><b>L6ARFK120LW</b> | IC ID<br><b>2503A-RFF90LW</b><br><b>2503A-RFK120LW</b> |

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Test Laboratory: RIM Testing Services

## Dipole Validation\_5800

**MHz\_06\_22\_12\_Amb\_Tem\_23.4\_Liq\_Tem\_21.6C**

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

Communication System: CW-5GHz; Frequency: 5800 MHz

Medium parameters used:  $f = 5800$  MHz;  $\sigma = 5.317$  mho/m;  $\epsilon_r = 33.735$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF(3.98, 3.98, 3.98); 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
- DASYS 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 (91x91x1):** Measurement grid:

$dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 172.1 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:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=2.5\text{mm}$

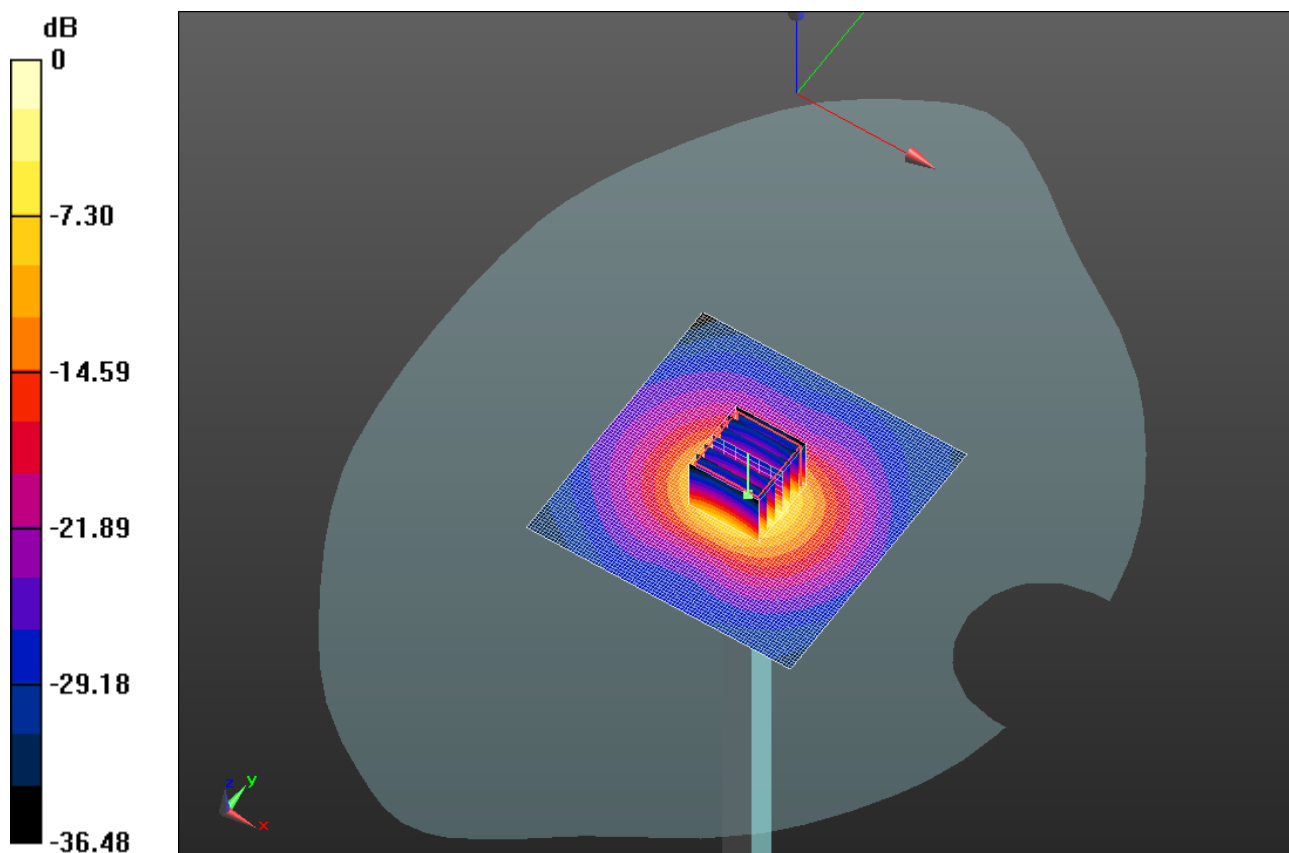
Reference Value = 195.5 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 316.50

**SAR(1 g) = 80.1 mW/g; SAR(10 g) = 22.8 mW/g**

Maximum value of SAR (measured) = 170.3 mW/g

|                                                                                  |                                                                                                           |                                            |                                                    |                                                        |
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| Author Data<br><b>Andrew Becker</b>                                              | Dates of Test<br><b>June 04 – October 29, 2012</b>                                                        | Test Report No<br><b>RTS-6012-1208-35B</b> | FCC ID:<br><b>L6ARFF90LW</b><br><b>L6ARFK120LW</b> | IC ID<br><b>2503A-RFF90LW</b><br><b>2503A-RFK120LW</b> |



0 dB = 170.3mW/g = 44.62 dB mW/g

|                                                                                  |                                                                                                 |                                            |                                                    |                                                        |
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|  | Document<br><b>Appendix A for the BlackBerry® Smartphone Model RFF91LW, RFK121LW SAR Report</b> |                                            |                                                    | Page<br><b>48(55)</b>                                  |
| Author Data<br><b>Andrew Becker</b>                                              | Dates of Test<br><b>June 04 – October 29, 2012</b>                                              | Test Report No<br><b>RTS-6012-1208-35B</b> | FCC ID:<br><b>L6ARFF90LW</b><br><b>L6ARFK120LW</b> | IC ID<br><b>2503A-RFF90LW</b><br><b>2503A-RFK120LW</b> |

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Test Laboratory: RIM Testing Services

## Dipole Validation\_5800

**MHz\_06\_25\_12\_Amb\_Tem\_23.4\_Liq\_Tem\_21.8C**

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

Communication System: CW-5GHz; Frequency: 5800 MHz

Medium parameters used:  $f = 5800 \text{ MHz}$ ;  $\sigma = 5.355 \text{ mho/m}$ ;  $\epsilon_r = 34.231$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF(3.98, 3.98, 3.98); 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
- DASYS 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 (91x91x1):** Measurement grid:

$dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 188.7 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:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=2.5\text{mm}$

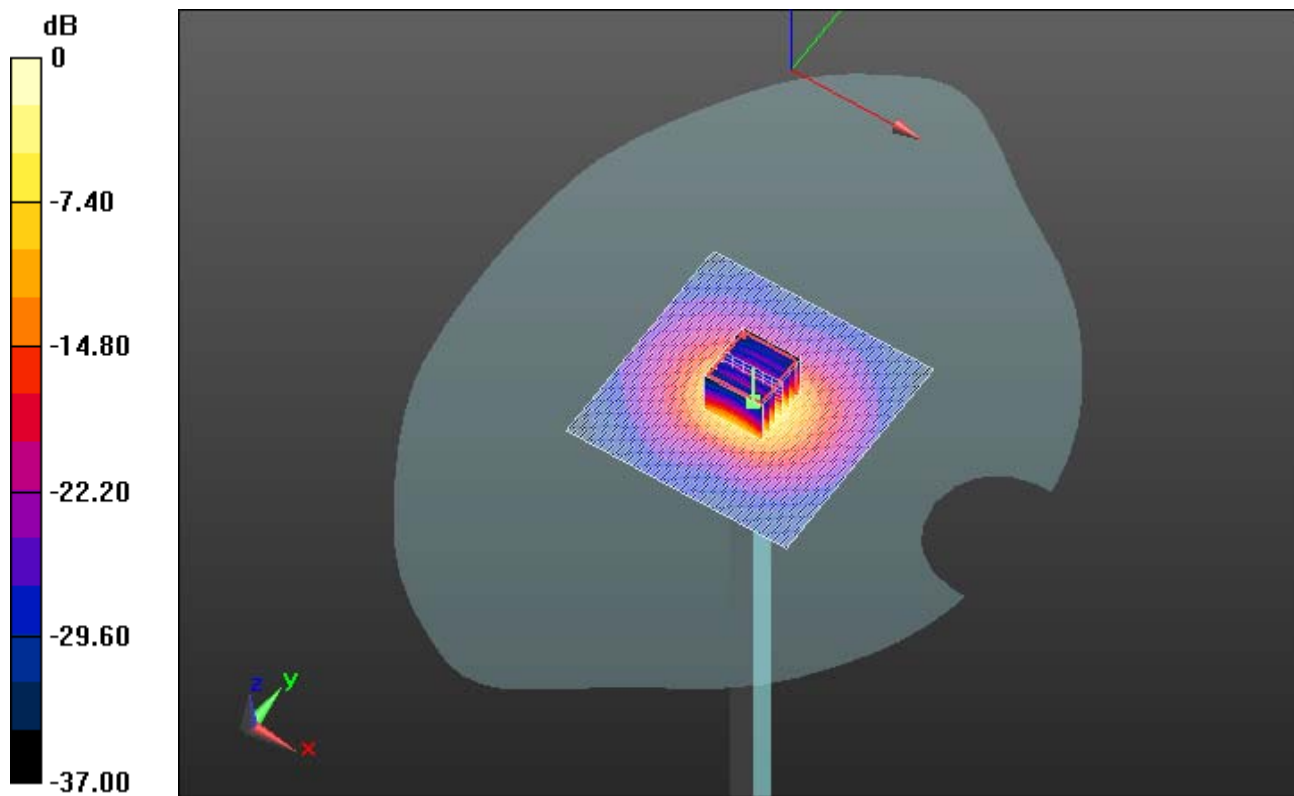
Reference Value = 201.5 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 340.70

**SAR(1 g) = 85.6 mW/g; SAR(10 g) = 24.3 mW/g**

Maximum value of SAR (measured) = 182.8 mW/g

|                                                                                  |                                                                                                           |                                            |                                                    |                                                        |
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| Author Data<br><b>Andrew Becker</b>                                              | Dates of Test<br><b>June 04 – October 29, 2012</b>                                                        | Test Report No<br><b>RTS-6012-1208-35B</b> | FCC ID:<br><b>L6ARFF90LW</b><br><b>L6ARFK120LW</b> | IC ID<br><b>2503A-RFF90LW</b><br><b>2503A-RFK120LW</b> |



0 dB = 182.8mW/g = 45.24 dB mW/g

|                                                                                  |                                                                                                           |                                            |                                                    |                                                        |
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| Author Data<br><b>Andrew Becker</b>                                              | Dates of Test<br><b>June 04 – October 29, 2012</b>                                                        | Test Report No<br><b>RTS-6012-1208-35B</b> | FCC ID:<br><b>L6ARFF90LW</b><br><b>L6ARFK120LW</b> | IC ID<br><b>2503A-RFF90LW</b><br><b>2503A-RFK120LW</b> |

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Test Laboratory: RIM Testing Services

## Dipole Validation\_5200

**MHz\_09\_17\_12\_Amb\_Tem\_24.4\_Liq\_Tem\_22.3C**

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

Communication System: CW; Frequency: 5200 MHz

Medium parameters used:  $f = 5200 \text{ MHz}$ ;  $\sigma = 4.746 \text{ mho/m}$ ;  $\epsilon_r = 34.439$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF(4.5, 4.5, 4.5); Calibrated: 11/18/2010
- 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
- DASYS 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:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 197.0 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:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=2.5\text{mm}$

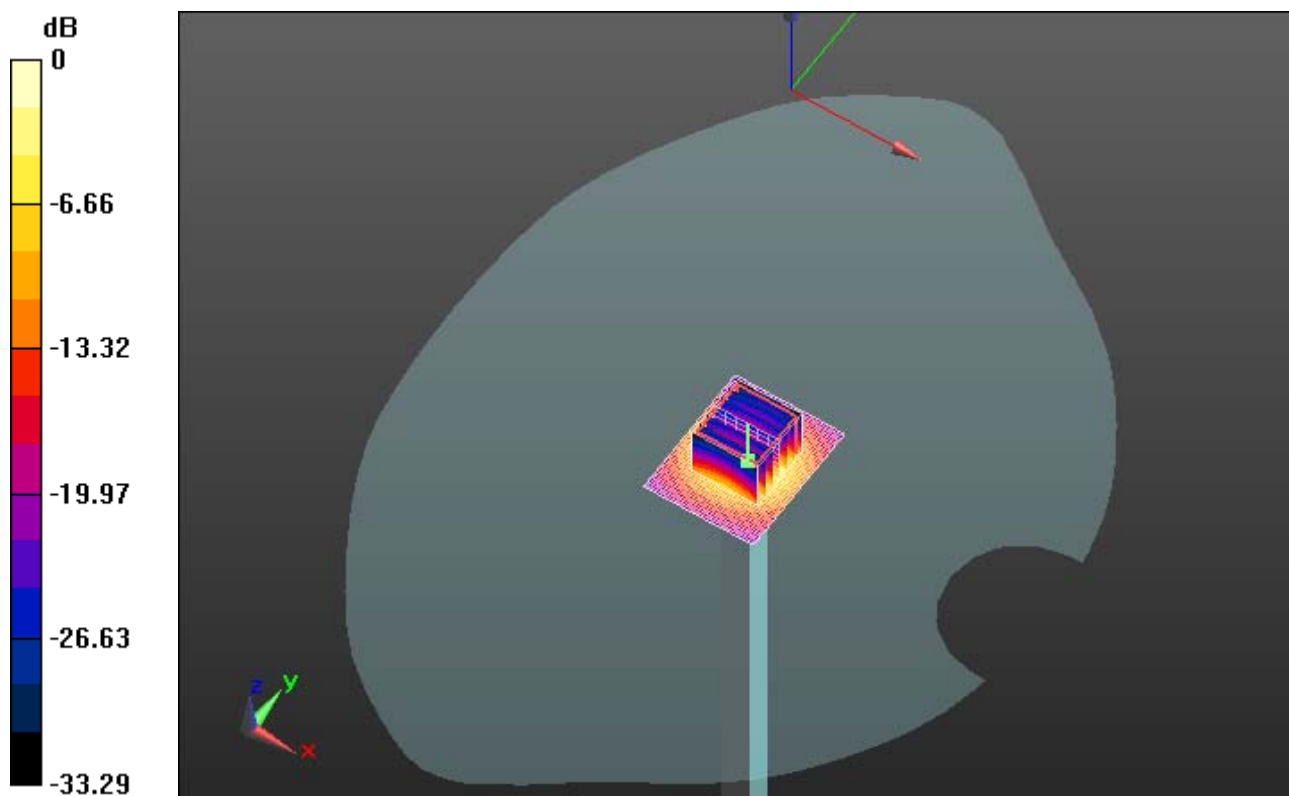
Reference Value = 214.3 V/m; Power Drift = -0.30 dB

Peak SAR (extrapolated) = 313.60

**SAR(1 g) = 85.4 mW/g; SAR(10 g) = 24.6 mW/g**

Maximum value of SAR (measured) = 176.6 mW/g

|                                                                                  |                                                                                                           |                                            |                                                    |                                                        |
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| Author Data<br><b>Andrew Becker</b>                                              | Dates of Test<br><b>June 04 – October 29, 2012</b>                                                        | Test Report No<br><b>RTS-6012-1208-35B</b> | FCC ID:<br><b>L6ARFF90LW</b><br><b>L6ARFK120LW</b> | IC ID<br><b>2503A-RFF90LW</b><br><b>2503A-RFK120LW</b> |



0 dB = 176.6mW/g = 44.94 dB mW/g

|                                                                                  |                                                                                                           |                                            |                                                    |                                                        |
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| Author Data<br><b>Andrew Becker</b>                                              | Dates of Test<br><b>June 04 – October 29, 2012</b>                                                        | Test Report No<br><b>RTS-6012-1208-35B</b> | FCC ID:<br><b>L6ARFF90LW</b><br><b>L6ARFK120LW</b> | IC ID<br><b>2503A-RFF90LW</b><br><b>2503A-RFK120LW</b> |

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Test Laboratory: RIM Testing Services

## Dipole Validation\_5500

**MHz\_09\_17\_12\_Amb\_Tem\_24.1\_Liq\_Tem\_22.3C**

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

Communication System: CW-5GHz; Frequency: 5500 MHz

Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.007$  mho/m;  $\epsilon_r = 34.468$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF(4.25, 4.25, 4.25); Calibrated: 11/18/2010
- 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 (91x91x1):** Measurement grid:

$dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 194.6 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:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=2.5\text{mm}$

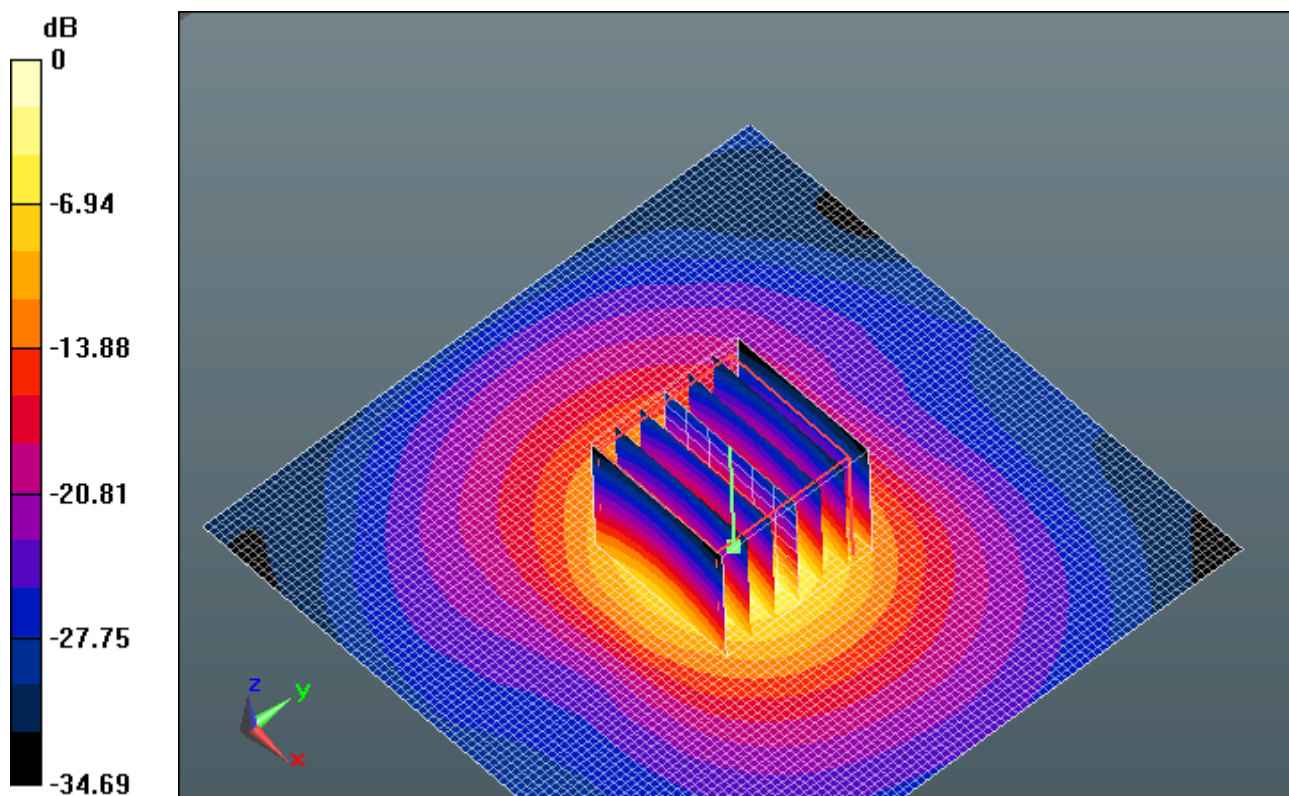
Reference Value = 212.3 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 340.50

**SAR(1 g) = 89.6 mW/g; SAR(10 g) = 25.5 mW/g**

Maximum value of SAR (measured) = 187.9 mW/g

|                                                                                  |                                                                                                           |                                            |                                                    |                                                        |
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0 dB = 187.9mW/g = 45.48 dB mW/g

|                                                                                  |                                                                                                           |                                            |                                                    |                                                        |
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Test Laboratory: RIM Testing Services

## Dipole Validation\_5800

**MHz\_09\_17\_12\_Amb\_Tem\_24.4\_Liq\_Tem\_22.4C**

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

Communication System: CW-5GHz; Frequency: 5800 MHz

Medium parameters used:  $f = 5800 \text{ MHz}$ ;  $\sigma = 5.304 \text{ mho/m}$ ;  $\epsilon_r = 34.066$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF(3.98, 3.98, 3.98); Calibrated: 11/18/2010
- 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
- DASYS 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 (91x91x1):** Measurement grid:

$dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 184.3 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:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=2.5\text{mm}$

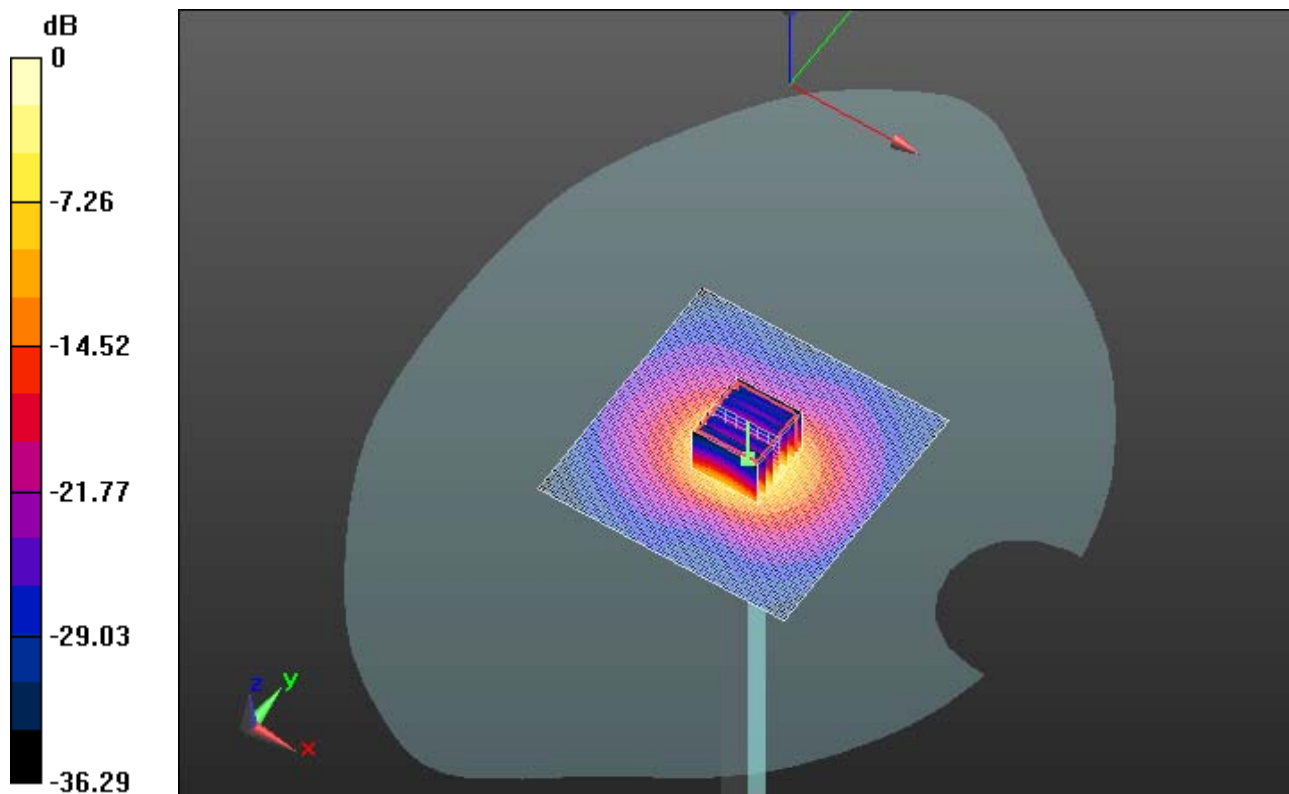
Reference Value = 201.2 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 343.60

**SAR(1 g) = 85.7 mW/g; SAR(10 g) = 24.4 mW/g**

Maximum value of SAR (measured) = 183.0 mW/g

|                                                                                  |                                                                                                           |                                            |                                                    |                                                        |
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| Author Data<br><b>Andrew Becker</b>                                              | Dates of Test<br><b>June 04 – October 29, 2012</b>                                                        | Test Report No<br><b>RTS-6012-1208-35B</b> | FCC ID:<br><b>L6ARFF90LW</b><br><b>L6ARFK120LW</b> | IC ID<br><b>2503A-RFF90LW</b><br><b>2503A-RFK120LW</b> |



0 dB = 183.0mW/g = 45.25 dB mW/g