

	<u>Date(s) of Evaluation</u> July 05-08, 11-12, 2011	<u>Test Report Serial No.</u> 070411OWD-T1108-S90P	<u>Test Report Revision No.</u> Rev. 1.2 (3rd Release)	
	<u>Test Report Issue Date</u> October 05, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot #18 (B18)

Date Tested: 07/07/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-004

Ambient Temp: 24.0°C; Fluid Temp: 23.8°C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 868.9875 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 869 \text{ MHz}$; $\sigma = 0.984 \text{ mho/m}$; $\epsilon_r = 53.8$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 3.0 cm Belt-Loop Spacing from Back of DUT to Planar Phantom

Area Scan (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (measured) = 1.88 mW/g

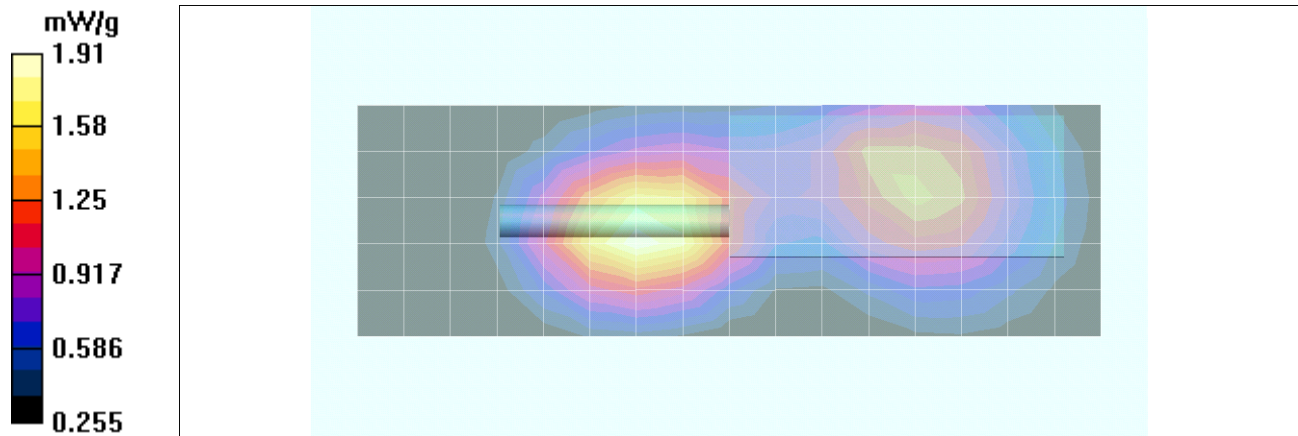
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 36.8 V/m; Power Drift = -0.549 dB

Peak SAR (extrapolated) = 2.26 W/kg

SAR(1 g) = 1.79 mW/g; SAR(10 g) = 1.32 mW/g

Maximum value of SAR (measured) = 1.91 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver	Model:	P5500 (800)	806-824 / 851-869 MHz		
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Body SAR Plot #19 (B19)

Date Tested: 07/06/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-004

Ambient Temp: 24.0°C; Fluid Temp: 22.2°C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 823.9875 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824$ MHz; $\sigma = 0.938$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 3.0 cm Belt-Loop Spacing from Back of DUT to Planar Phantom

Area Scan (6x18x1): Measurement grid: $dx=20$ mm, $dy=20$ mm

Maximum value of SAR (measured) = 1.96 mW/g

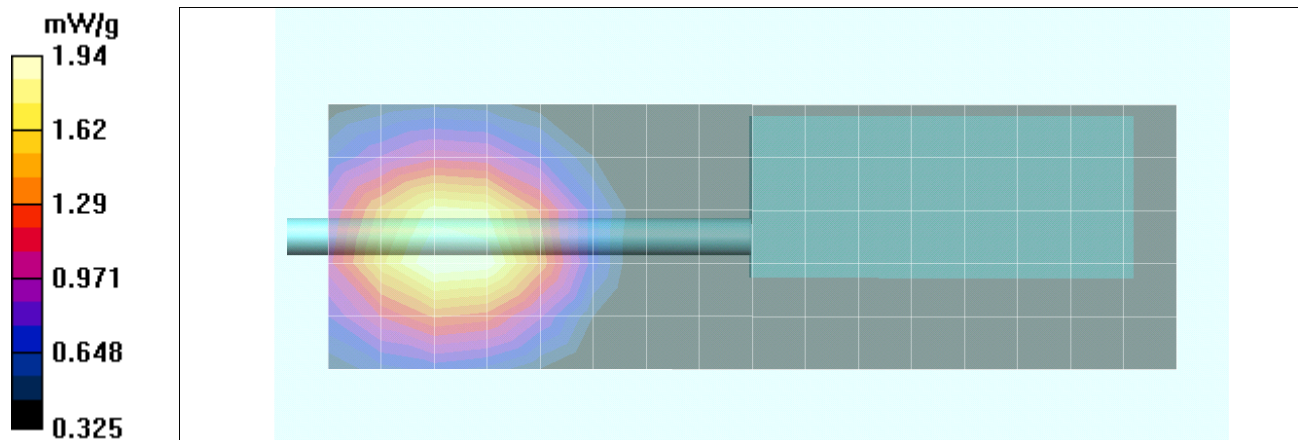
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 12.1 V/m; Power Drift = -0.088 dB

Peak SAR (extrapolated) = 2.25 W/kg

SAR(1 g) = 1.84 mW/g; SAR(10 g) = 1.39 mW/g

Maximum value of SAR (measured) = 1.94 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver	Model:	P5500 (800)	806-824 / 851-869 MHz		
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Body SAR Plot #20 (B20)

Date Tested: 07/07/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-004

Ambient Temp: 24.0°C; Fluid Temp: 23.8°C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 868.9875 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 869 \text{ MHz}$; $\sigma = 0.984 \text{ mho/m}$; $\epsilon_r = 53.8$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 3.0 cm Belt-Loop Spacing from Back of DUT to Planar Phantom

Area Scan (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (measured) = 1.45 mW/g

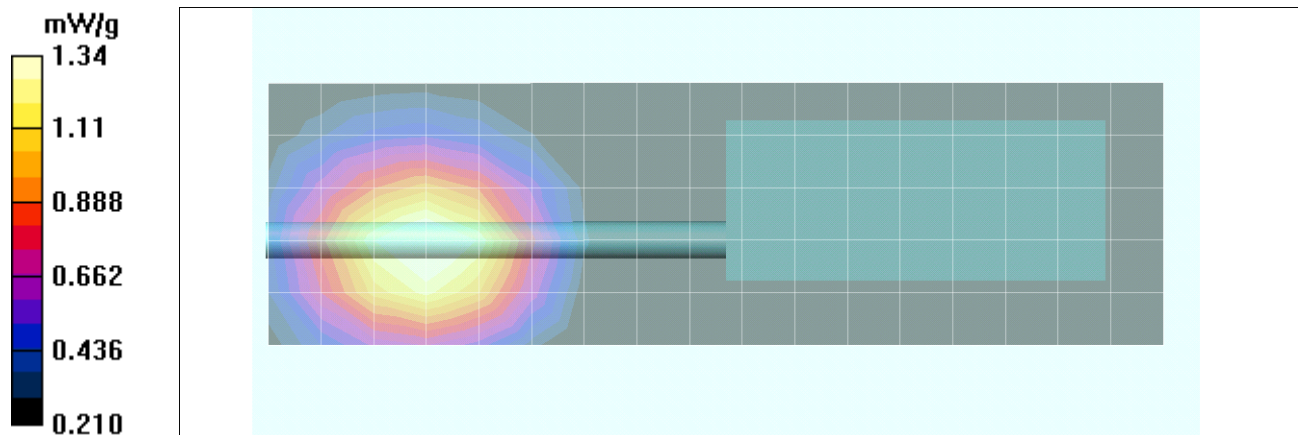
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 13.2 V/m; Power Drift = -0.346 dB

Peak SAR (extrapolated) = 1.57 W/kg

SAR(1 g) = 1.26 mW/g; SAR(10 g) = 0.933 mW/g

Maximum value of SAR (measured) = 1.34 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver		Model:	P5500 (800)	806-824 / 851-869 MHz	
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Body SAR Plot #21 (B21)

Date Tested: 07/06/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-004

Ambient Temp: 24.0°C; Fluid Temp: 22.2°C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 823.9875 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824$ MHz; $\sigma = 0.938$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 3.0 cm Belt-Loop Spacing from Back of DUT to Planar Phantom

Area Scan (6x18x1): Measurement grid: $dx=20$ mm, $dy=20$ mm

Maximum value of SAR (measured) = 2.22 mW/g

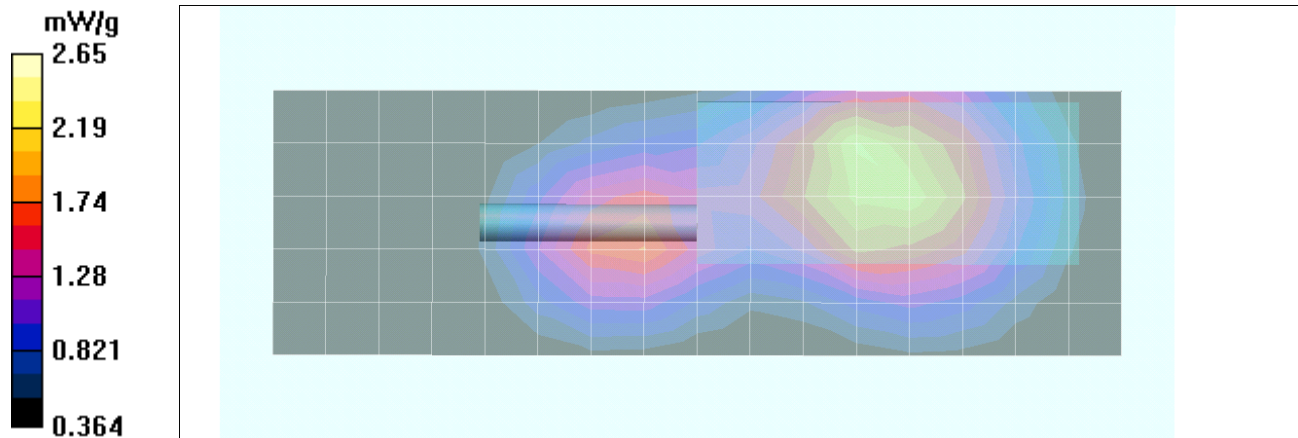
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 38.9 V/m; Power Drift = -0.137 dB

Peak SAR (extrapolated) = 3.88 W/kg

SAR(1 g) = 2.39 mW/g; SAR(10 g) = 1.74 mW/g

Maximum value of SAR (measured) = 2.65 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver	Model:	P5500 (800)	806-824 / 851-869 MHz		
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Body SAR Plot #22 (B22)

Date Tested: 07/07/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-004

Ambient Temp: 24.0°C; Fluid Temp: 23.8°C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 868.9875 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 869$ MHz; $\sigma = 0.984$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 3.0 cm Belt-Loop Spacing from Back of DUT to Planar Phantom

Area Scan (6x18x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 1.61 mW/g

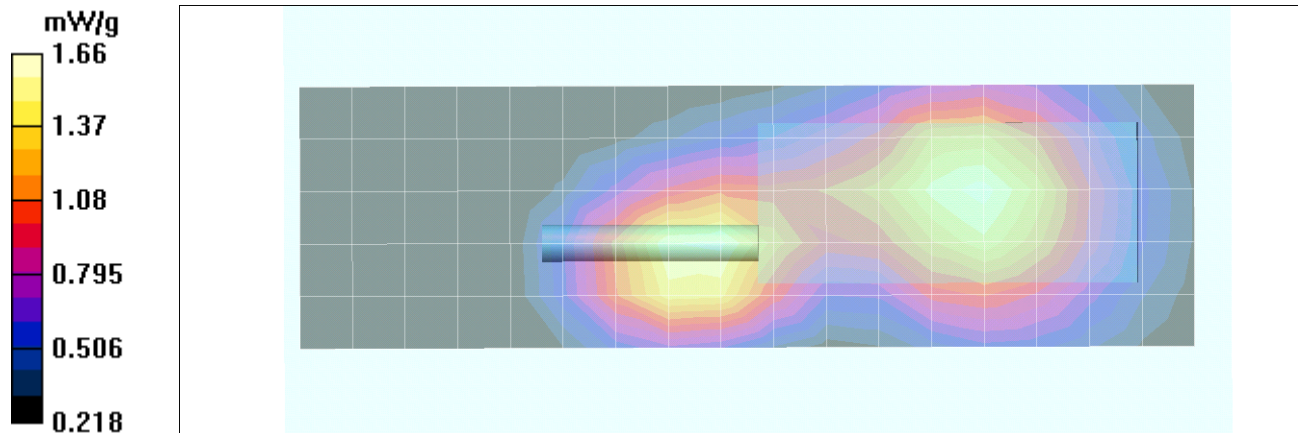
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 37.0 V/m; Power Drift = -0.703 dB

Peak SAR (extrapolated) = 2.00 W/kg

SAR(1 g) = 1.57 mW/g; SAR(10 g) = 1.14 mW/g

Maximum value of SAR (measured) = 1.66 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver	Model:	P5500 (800)	806-824 / 851-869 MHz		
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Body SAR Plot #23 (B23)

Date Tested: 07/06/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-004

Ambient Temp: 24.0°C; Fluid Temp: 22.2°C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 823.9875 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824$ MHz; $\sigma = 0.938$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 3.0 cm Belt-Loop Spacing from Back of DUT to Planar Phantom

Area Scan (6x18x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 2.75 mW/g

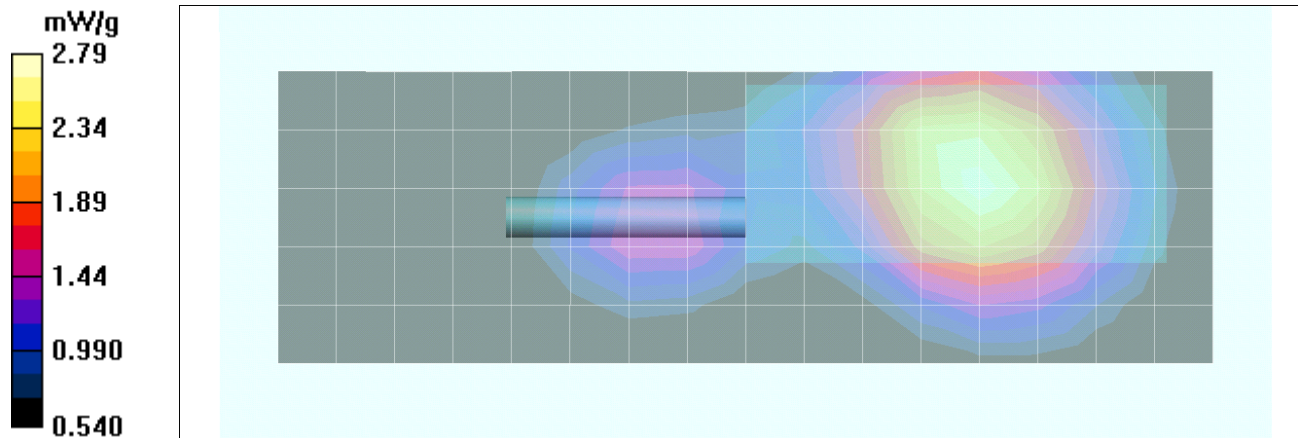
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 34.7 V/m; Power Drift = -0.115 dB

Peak SAR (extrapolated) = 3.58 W/kg

SAR(1 g) = 2.65 mW/g; SAR(10 g) = 2.06 mW/g

Maximum value of SAR (measured) = 2.79 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver		Model:	P5500 (800)	806-824 / 851-869 MHz	
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Body SAR Plot #24 (B24)

Date Tested: 07/06/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-004

Ambient Temp: 24.0°C; Fluid Temp: 22.2°C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 823.9875 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824$ MHz; $\sigma = 0.938$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 3.0 cm Belt-Loop Spacing from Back of DUT to Planar Phantom

Area Scan (6x18x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 3.59 mW/g

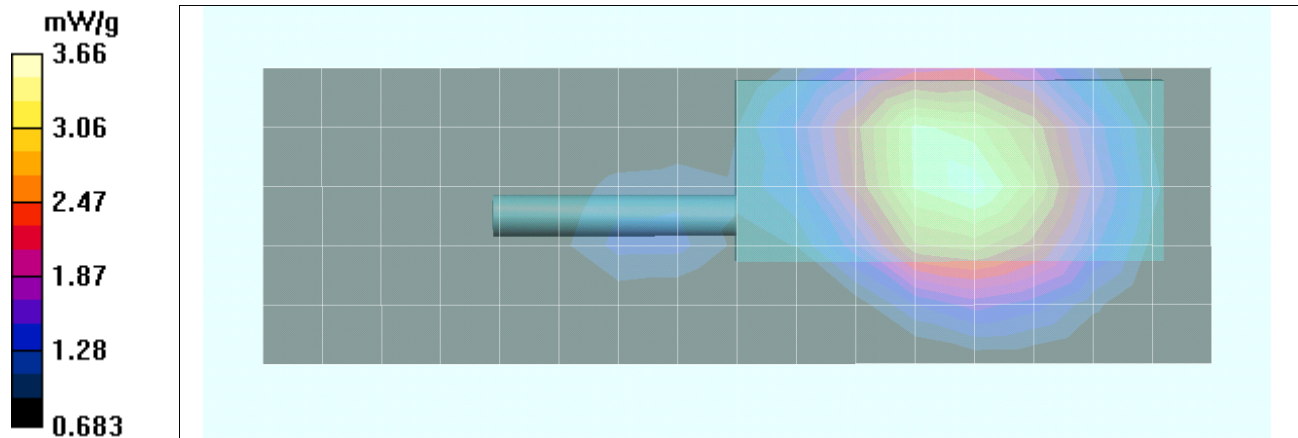
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 33.4 V/m; Power Drift = -0.131 dB

Peak SAR (extrapolated) = 4.48 W/kg

SAR(1 g) = 3.50 mW/g; SAR(10 g) = 2.71 mW/g

Maximum value of SAR (measured) = 3.66 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver	Model:	P5500 (800)	806-824 / 851-869 MHz		
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Body SAR Plot #25 (B25)

Date Tested: 07/07/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-004

Ambient Temp: 24.0°C; Fluid Temp: 23.8°C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 868.9875 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 869 \text{ MHz}$; $\sigma = 0.984 \text{ mho/m}$; $\epsilon_r = 53.8$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 3.0 cm Belt-Loop Spacing from Back of DUT to Planar Phantom

Area Scan (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (measured) = 2.00 mW/g

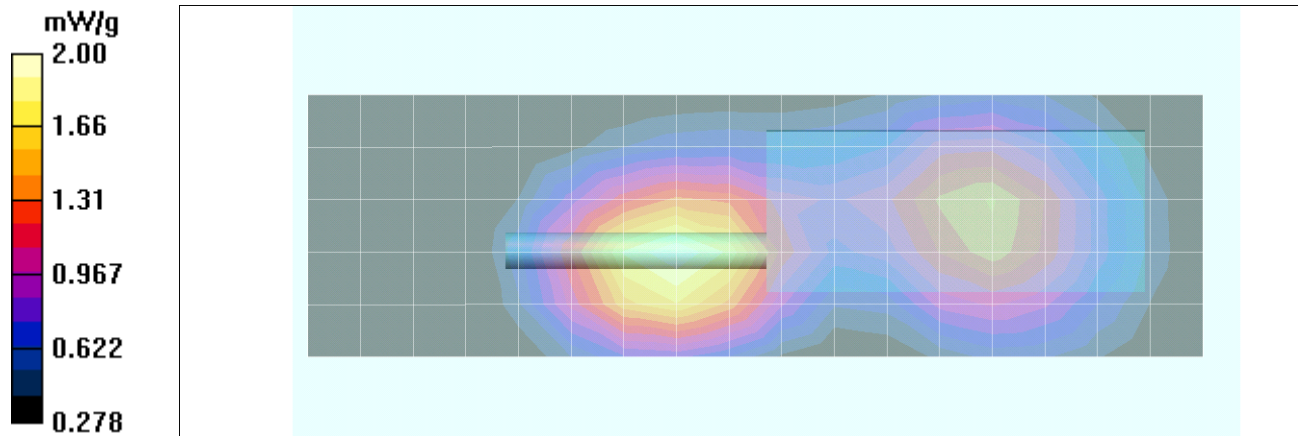
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 36.2 V/m; Power Drift = -0.284 dB

Peak SAR (extrapolated) = 2.36 W/kg

SAR(1 g) = 1.89 mW/g; SAR(10 g) = 1.38 mW/g

Maximum value of SAR (measured) = 2.00 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver	Model:	P5500 (800)	806-824 / 851-869 MHz		
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	<u>Test Report Issue Date</u> October 05, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot #26 (B26)

Date Tested: 07/07/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-004

Ambient Temp: 24.0°C; Fluid Temp: 23.8°C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 868.9875 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 869 \text{ MHz}$; $\sigma = 0.984 \text{ mho/m}$; $\epsilon_r = 53.8$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 3.0 cm Belt-Loop Spacing from Back of DUT to Planar Phantom

Area Scan (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (measured) = 1.92 mW/g

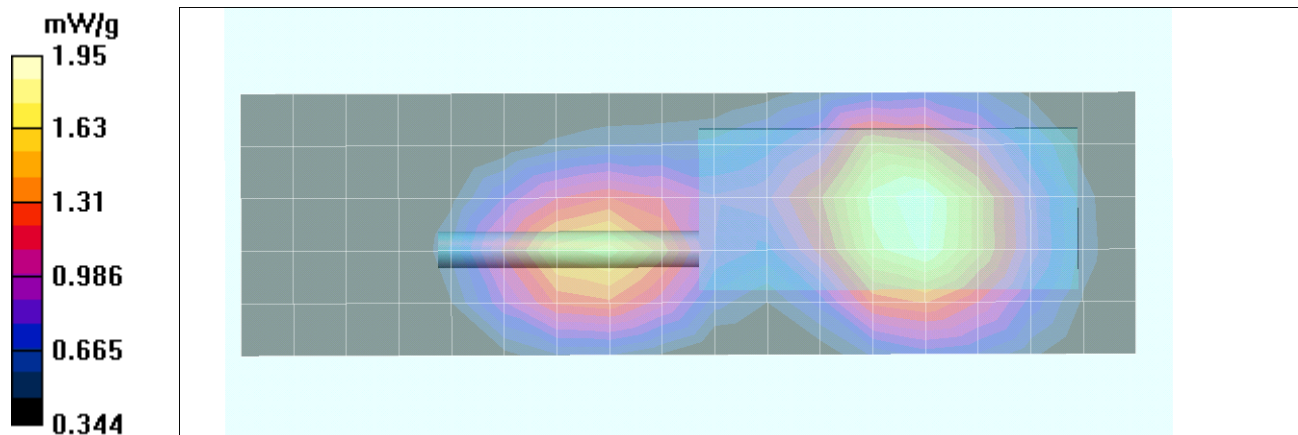
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 33.0 V/m; Power Drift = -0.239 dB

Peak SAR (extrapolated) = 2.30 W/kg

SAR(1 g) = 1.87 mW/g; SAR(10 g) = 1.43 mW/g

Maximum value of SAR (measured) = 1.95 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver	Model:	P5500 (800)	806-824 / 851-869 MHz		
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Body SAR Plot #27 (B27)

Date Tested: 07/07/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-004

Ambient Temp: 24.0°C; Fluid Temp: 23.8°C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 823.9875 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.93 \text{ mho/m}$; $\epsilon_r = 54.3$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.2 cm Leather Case Spacing from Back of DUT to Planar Phantom

Area Scan (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (measured) = 4.42 mW/g

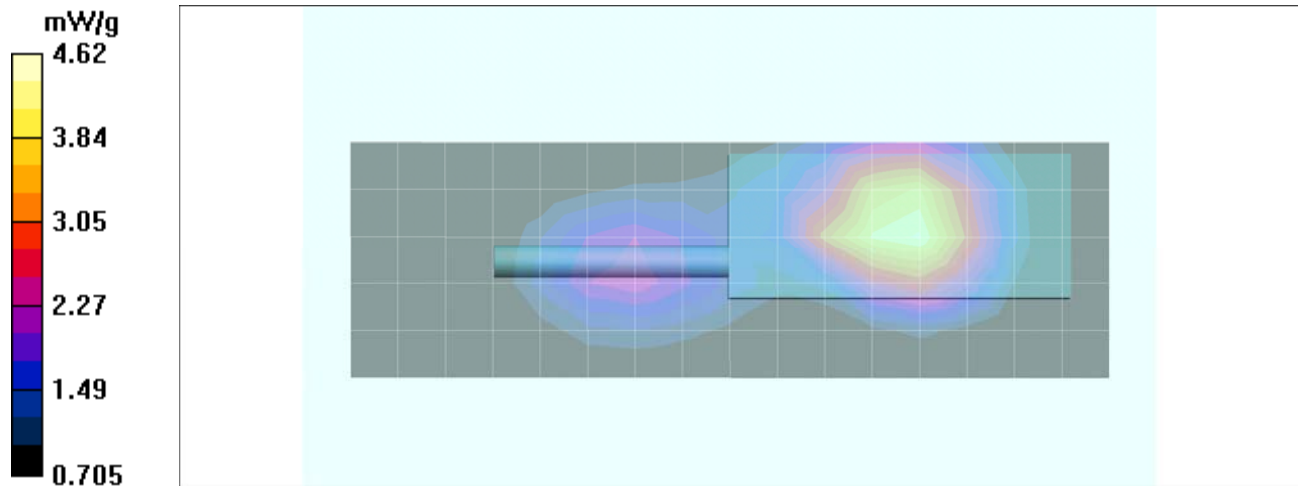
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 38.7 V/m; Power Drift = 0.102 dB

Peak SAR (extrapolated) = 5.44 W/kg

SAR(1 g) = 4.38 mW/g; SAR(10 g) = 3.3 mW/g

Maximum value of SAR (measured) = 4.62 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver	Model:	P5500 (800)	806-824 / 851-869 MHz		
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	<u>Date(s) of Evaluation</u> July 05-08, 11-12, 2011	<u>Test Report Serial No.</u> 070411OWD-T1108-S90P	<u>Test Report Revision No.</u> Rev. 1.2 (3rd Release)	
	<u>Test Report Issue Date</u> October 05, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot #28 (B28)

Date Tested: 07/07/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-004

Ambient Temp: 24.0°C; Fluid Temp: 23.8°C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 868.9875 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 869 \text{ MHz}$; $\sigma = 0.984 \text{ mho/m}$; $\epsilon_r = 53.8$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.2 cm Leather Case Spacing from Back of DUT to Planar Phantom

Area Scan (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (measured) = 4.60 mW/g

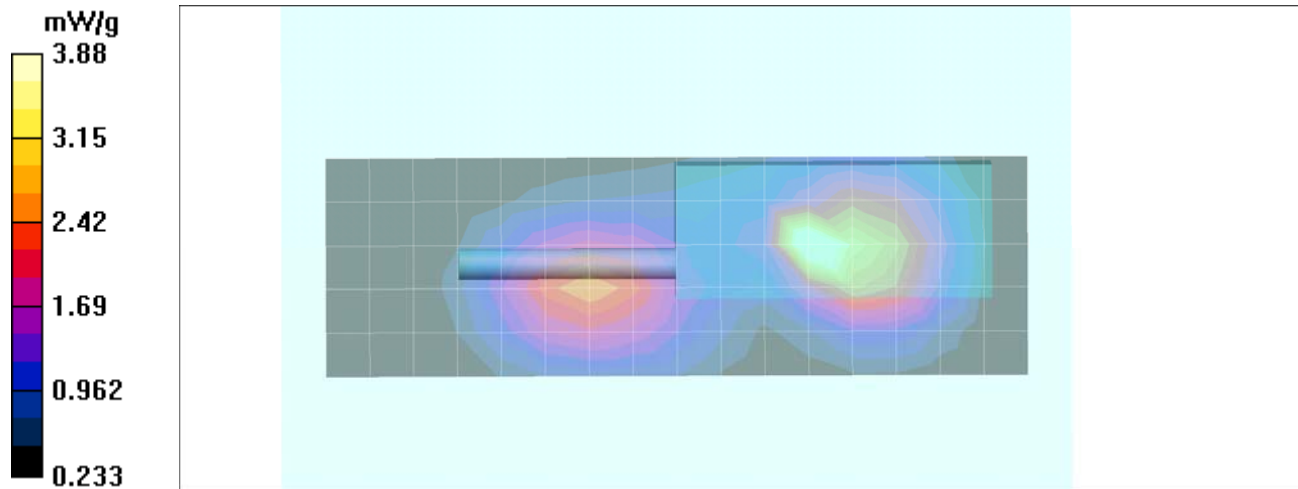
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 35.2 V/m; Power Drift = -0.279 dB

Peak SAR (extrapolated) = 8.09 W/kg

SAR(1 g) = 3.52 mW/g; SAR(10 g) = 2.2 mW/g

Maximum value of SAR (measured) = 3.88 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver	Model:	P5500 (800)	806-824 / 851-869 MHz		
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	<u>Test Report Issue Date</u> October 05, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot #29 (B29)

Date Tested: 07/07/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-004

Ambient Temp: 24.0°C; Fluid Temp: 23.8°C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 823.9875 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.93 \text{ mho/m}$; $\epsilon_r = 54.3$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.2 cm Leather Case Spacing from Back of DUT to Planar Phantom

Area Scan (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (measured) = 2.31 mW/g

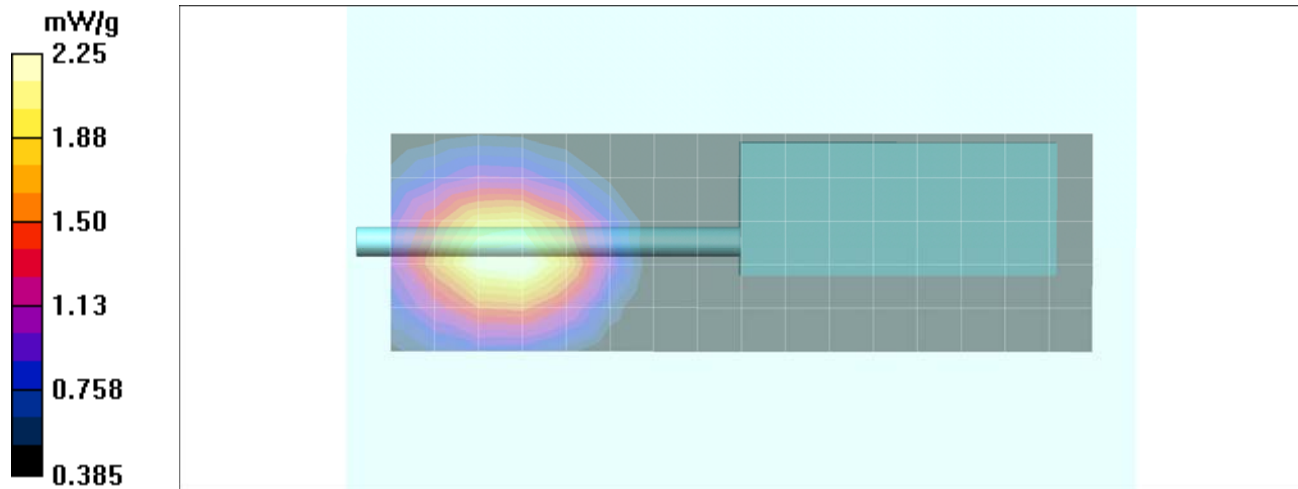
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 12.7 V/m; Power Drift = -0.084 dB

Peak SAR (extrapolated) = 2.63 W/kg

SAR(1 g) = 2.13 mW/g; SAR(10 g) = 1.6 mW/g

Maximum value of SAR (measured) = 2.25 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver	Model:	P5500 (800)	806-824 / 851-869 MHz		
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	<u>Test Report Issue Date</u> October 05, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot #30 (B30)

Date Tested: 07/07/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-004

Ambient Temp: 24.0°C; Fluid Temp: 23.8°C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 868.9875 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 869$ MHz; $\sigma = 0.984$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.2 cm Leather Case Spacing from Back of DUT to Planar Phantom

Area Scan (6x18x1): Measurement grid: $dx=20$ mm, $dy=20$ mm

Maximum value of SAR (measured) = 1.36 mW/g

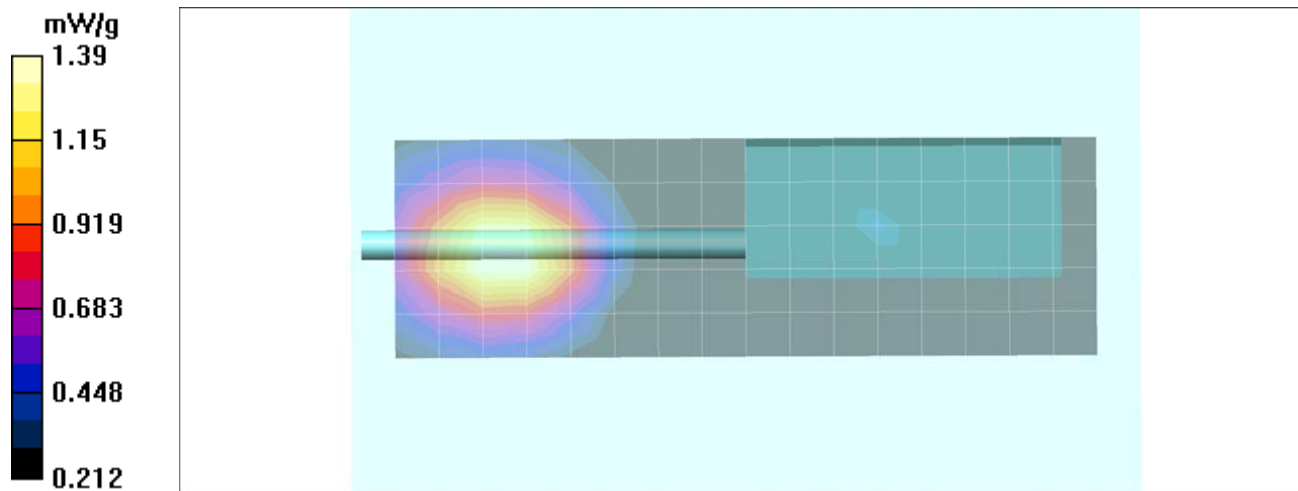
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 13.2 V/m; Power Drift = -0.141 dB

Peak SAR (extrapolated) = 1.64 W/kg

SAR(1 g) = 1.31 mW/g; SAR(10 g) = 0.972 mW/g

Maximum value of SAR (measured) = 1.39 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver	Model:	P5500 (800)	806-824 / 851-869 MHz		
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	<u>Test Report Issue Date</u> October 05, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot #31 (B31)

Date Tested: 07/07/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-004

Ambient Temp: 24.0°C; Fluid Temp: 23.8°C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 823.9875 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.93 \text{ mho/m}$; $\epsilon_r = 54.3$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.2 cm Leather Case Spacing from Back of DUT to Planar Phantom

Area Scan (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (measured) = 4.33 mW/g

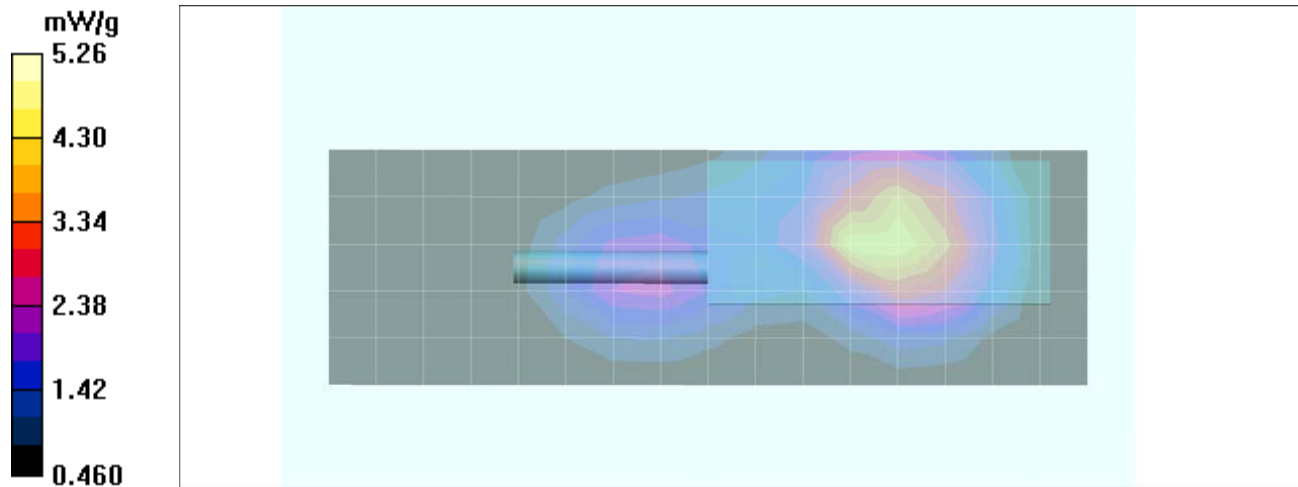
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 42.2 V/m; Power Drift = -0.189 dB

Peak SAR (extrapolated) = 9.78 W/kg

SAR(1 g) = 4.67 mW/g; SAR(10 g) = 3.17 mW/g

Maximum value of SAR (measured) = 5.26 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver		Model:	P5500 (800)	806-824 / 851-869 MHz	
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	<u>Test Report Issue Date</u> October 05, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot #32 (B32)

Date Tested: 07/07/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-004

Ambient Temp: 24.0°C; Fluid Temp: 23.8°C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 868.9875 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 869 \text{ MHz}$; $\sigma = 0.984 \text{ mho/m}$; $\epsilon_r = 53.8$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.2 cm Leather Case Spacing from Back of DUT to Planar Phantom

Area Scan (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (measured) = 5.65 mW/g

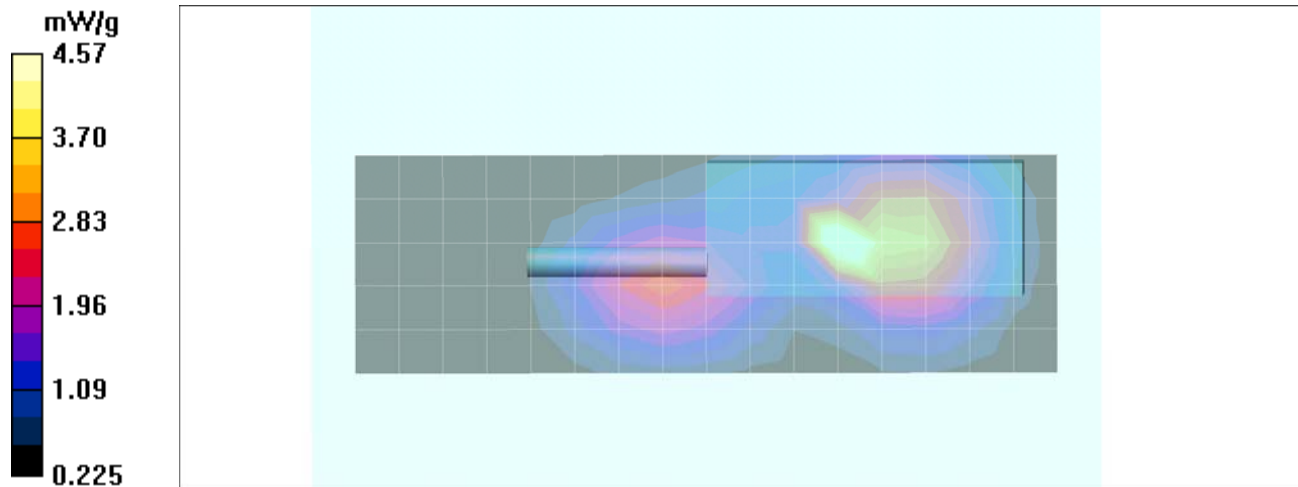
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 39.6 V/m; Power Drift = -0.192 dB

Peak SAR (extrapolated) = 9.21 W/kg

SAR(1 g) = 4.01 mW/g; SAR(10 g) = 2.43 mW/g

Maximum value of SAR (measured) = 4.57 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver		Model:	P5500 (800)	806-824 / 851-869 MHz	
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Test Lab Certificate No. 2470.01

Body SAR Plot #33 (B33)

Date Tested: 07/07/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-004

Ambient Temp: 24.0°C; Fluid Temp: 23.8°C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 823.9875 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.93 \text{ mho/m}$; $\epsilon_r = 54.3$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.2 cm Leather Case Spacing from Back of DUT to Planar Phantom

Area Scan (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (measured) = 5.28 mW/g

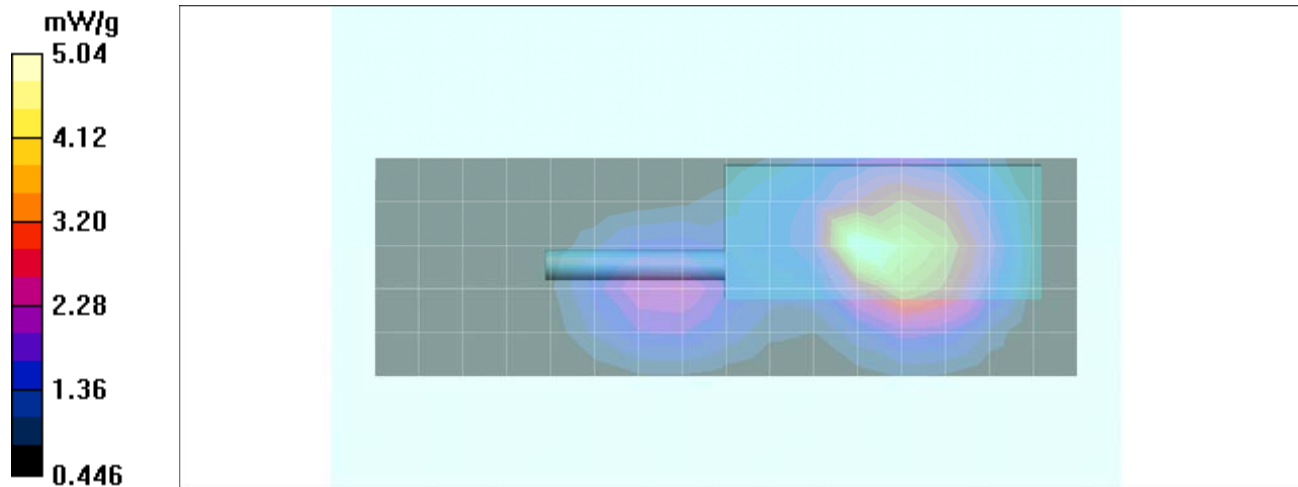
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 37.9 V/m; Power Drift = -0.082 dB

Peak SAR (extrapolated) = 9.22 W/kg

SAR(1 g) = 4.50 mW/g; SAR(10 g) = 3.08 mW/g

Maximum value of SAR (measured) = 5.04 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver		Model:	P5500 (800)	806-824 / 851-869 MHz	
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	<u>Test Report Issue Date</u> October 05, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot #34 (B34)

Date Tested: 07/07/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-004

Ambient Temp: 24.0°C; Fluid Temp: 23.8°C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 823.9875 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.93 \text{ mho/m}$; $\epsilon_r = 54.3$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.2 cm Leather Case Spacing from Back of DUT to Planar Phantom

Area Scan (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (measured) = 5.89 mW/g

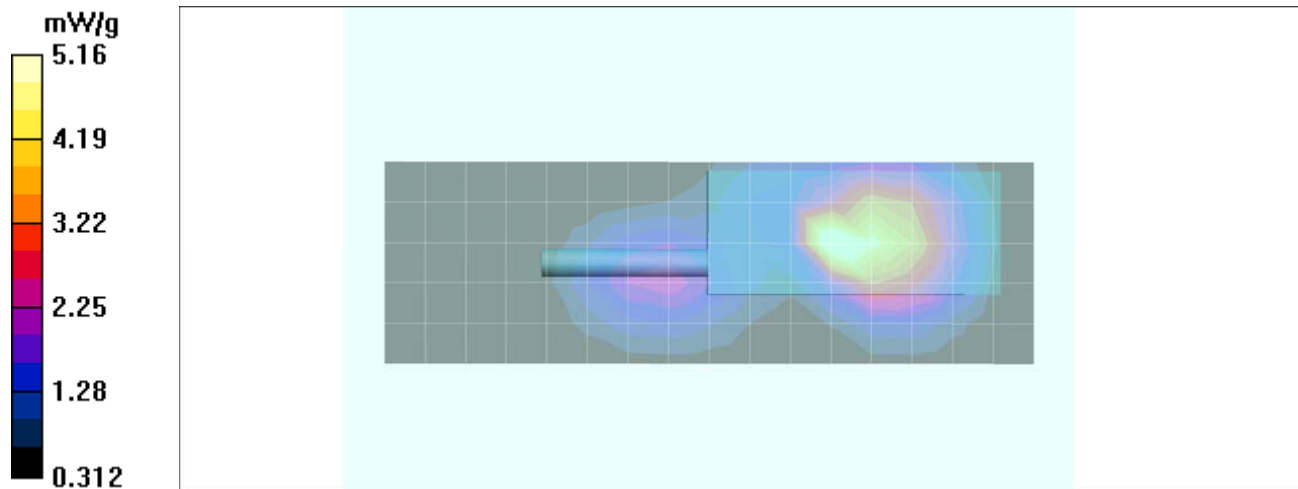
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 37.5 V/m; Power Drift = -0.162 dB

Peak SAR (extrapolated) = 10.5 W/kg

SAR(1 g) = 4.74 mW/g; SAR(10 g) = 3.12 mW/g

Maximum value of SAR (measured) = 5.16 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver		Model:	P5500 (800)	806-824 / 851-869 MHz	
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Body SAR Plot #35 (B35)

Date Tested: 07/07/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-004

Ambient Temp: 24.0°C; Fluid Temp: 23.8°C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 868.9875 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 869 \text{ MHz}$; $\sigma = 0.984 \text{ mho/m}$; $\epsilon_r = 53.8$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.2 cm Leather Case Spacing from Back of DUT to Planar Phantom

Area Scan (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (measured) = 3.86 mW/g

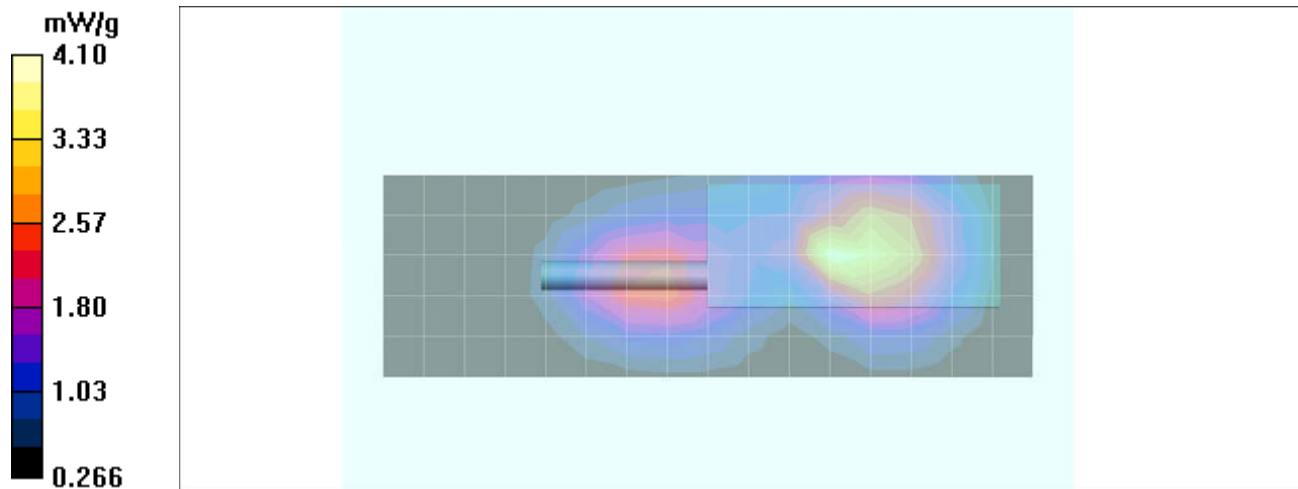
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 42.5 V/m; Power Drift = -0.159 dB

Peak SAR (extrapolated) = 8.26 W/kg

SAR(1 g) = 3.62 mW/g; SAR(10 g) = 2.41 mW/g

Maximum value of SAR (measured) = 4.10 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver		Model:	P5500 (800)	806-824 / 851-869 MHz	
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Body SAR Plot #36 (B36)

Date Tested: 07/07/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-004

Ambient Temp: 24.0°C; Fluid Temp: 23.8°C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 868.9875 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 869 \text{ MHz}$; $\sigma = 0.984 \text{ mho/m}$; $\epsilon_r = 53.8$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.2 cm Leather Case Spacing from Back of DUT to Planar Phantom

Area Scan (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (measured) = 5.75 mW/g

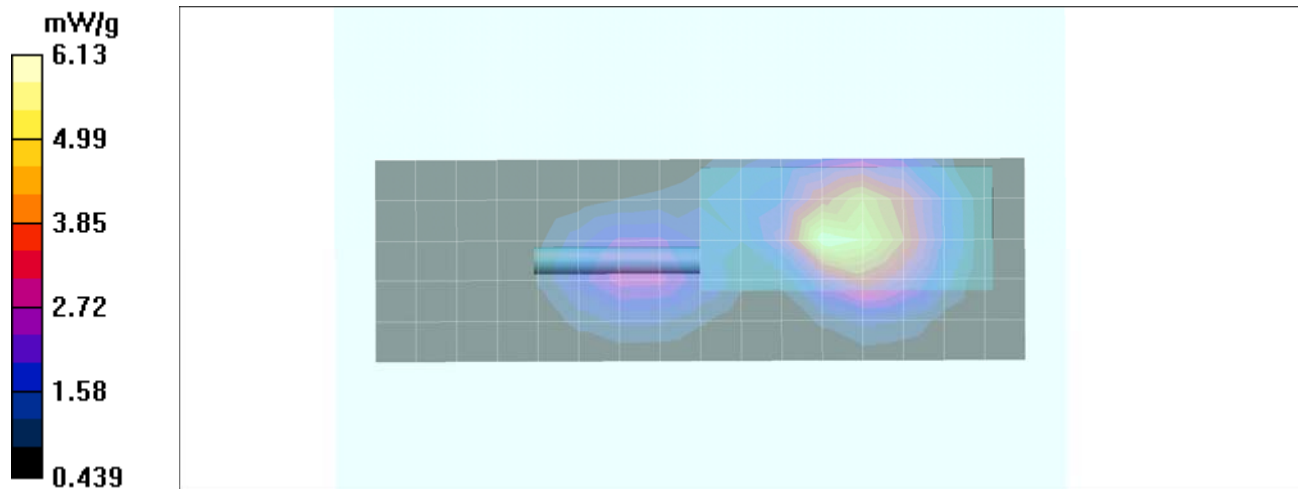
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 38.8 V/m; Power Drift = -0.204 dB

Peak SAR (extrapolated) = 12.7 W/kg

SAR(1 g) = 5.41 mW/g; SAR(10 g) = 3.67 mW/g

Maximum value of SAR (measured) = 6.13 mW/g

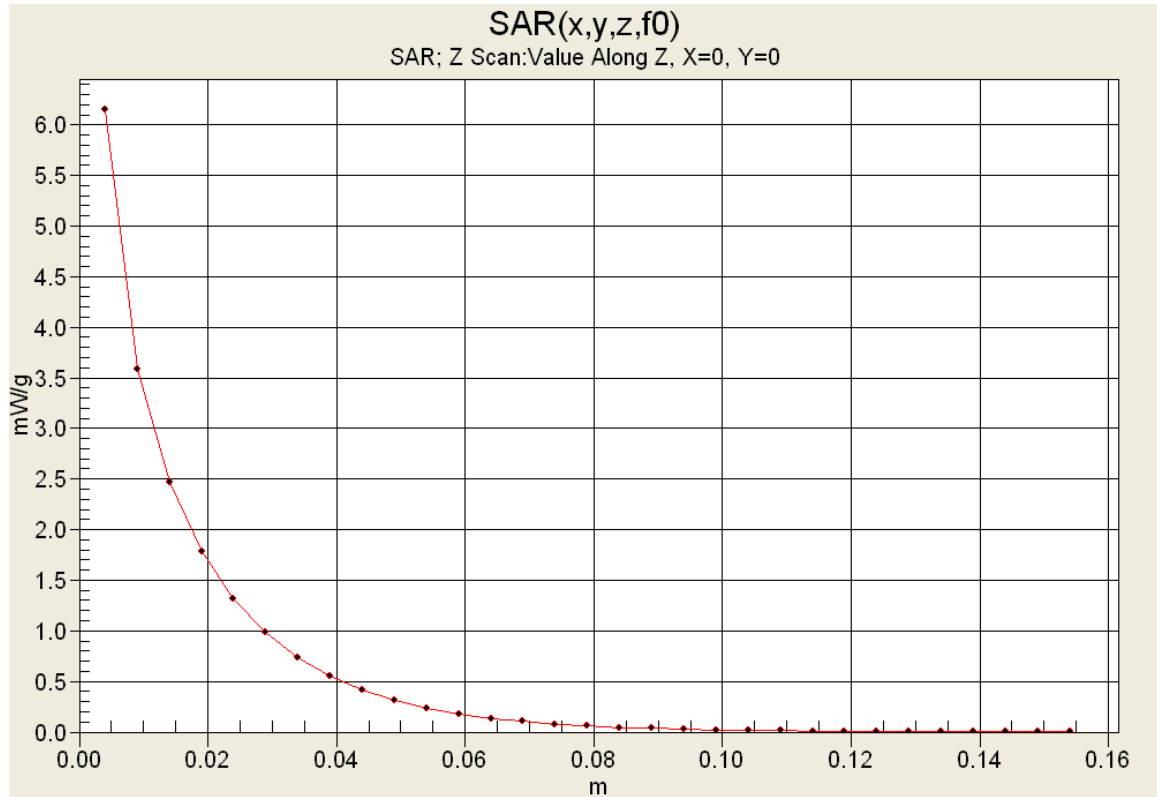


Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver		Model:	P5500 (800)	806-824 / 851-869 MHz	
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	Test Report Issue Date October 05, 2011	Description of Test(s) Specific Absorption Rate	RF Exposure Category Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Z-Axis Scan



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver		Model:	P5500 (800)	806-824 / 851-869 MHz	
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	<u>Test Report Issue Date</u> October 05, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot #37 (B37)

Date Tested: 07/07/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-004

Ambient Temp: 24.0°C; Fluid Temp: 23.8°C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 823.9875 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.93 \text{ mho/m}$; $\epsilon_r = 54.3$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 4.0 cm Leather Case & Belt Loop Spacing from Back of DUT to Planar Phantom

Area Scan (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (measured) = 1.89 mW/g

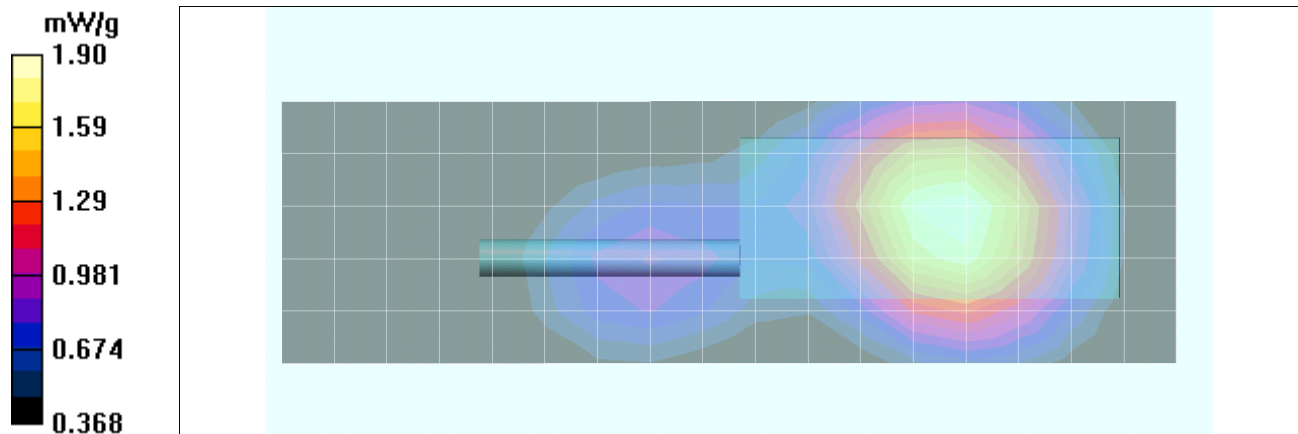
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 28.7 V/m; Power Drift = -0.121 dB

Peak SAR (extrapolated) = 2.25 W/kg

SAR(1 g) = 1.81 mW/g; SAR(10 g) = 1.4 mW/g

Maximum value of SAR (measured) = 1.90 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver	Model:	P5500 (800)	806-824 / 851-869 MHz		
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	<u>Test Report Issue Date</u> October 05, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot #38 (B38)

Date Tested: 07/07/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-004

Ambient Temp: 24.0°C; Fluid Temp: 23.8°C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 868.9875 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 869 \text{ MHz}$; $\sigma = 0.984 \text{ mho/m}$; $\epsilon_r = 53.8$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 4.0 cm Leather Case & Belt Loop Spacing from Back of DUT to Planar Phantom

Area Scan (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (measured) = 1.39 mW/g

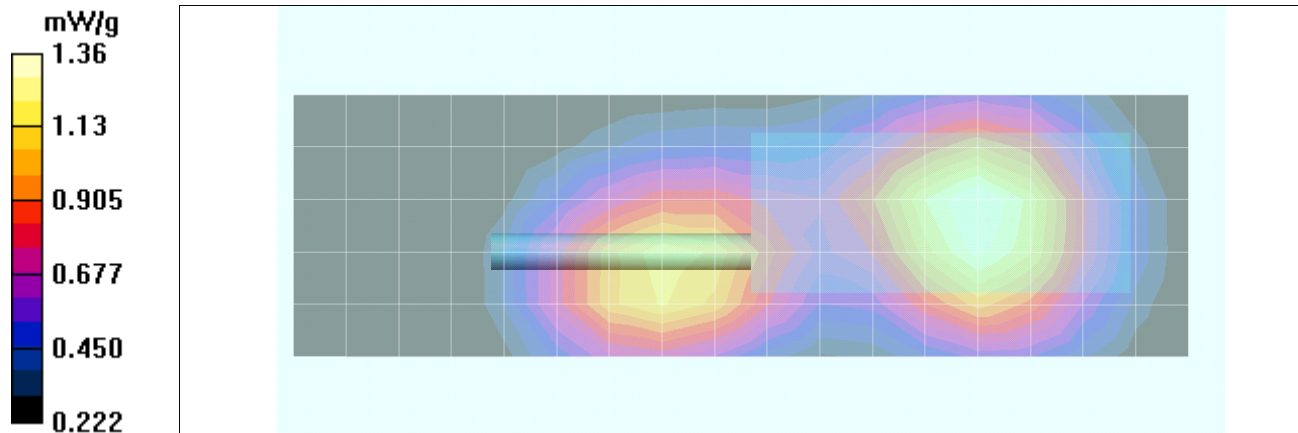
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 30.2 V/m; Power Drift = -0.396 dB

Peak SAR (extrapolated) = 1.82 W/kg

SAR(1 g) = 1.28 mW/g; SAR(10 g) = 0.978 mW/g

Maximum value of SAR (measured) = 1.36 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver		Model:	P5500 (800)	806-824 / 851-869 MHz	
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	<u>Test Report Issue Date</u> October 05, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot #39 (B39)

Date Tested: 07/07/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-004

Ambient Temp: 24.0°C; Fluid Temp: 23.8°C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 823.9875 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824$ MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 4.0 cm Leather Case & Belt Loop Spacing from Back of DUT to Planar Phantom

Area Scan (6x18x1): Measurement grid: $dx=20$ mm, $dy=20$ mm

Maximum value of SAR (measured) = 1.28 mW/g

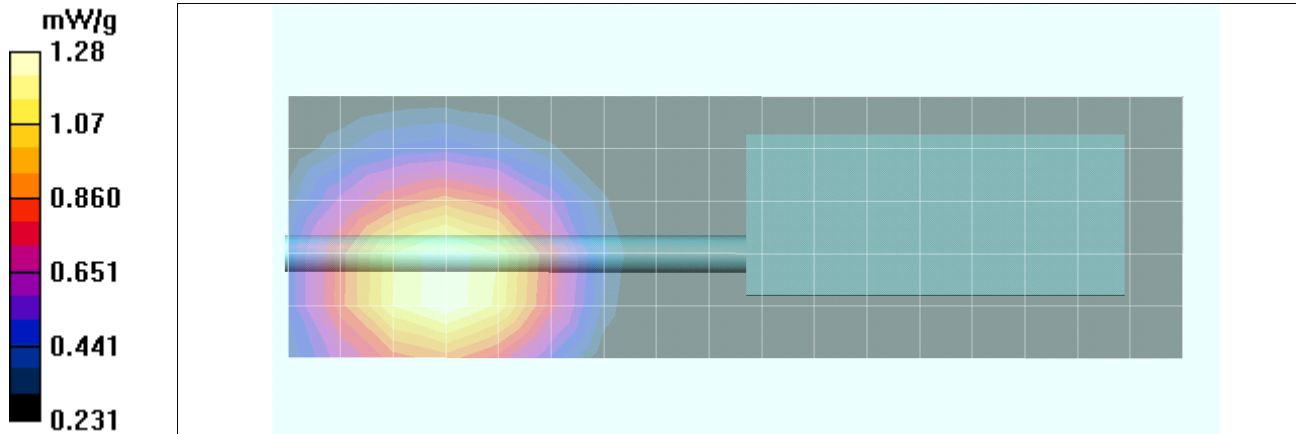
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 10.2 V/m; Power Drift = -0.168 dB

Peak SAR (extrapolated) = 1.47 W/kg

SAR(1 g) = 1.22 mW/g; SAR(10 g) = 0.925 mW/g

Maximum value of SAR (measured) = 1.28 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver	Model:	P5500 (800)	806-824 / 851-869 MHz		
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	<u>Test Report Issue Date</u> October 05, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot #40 (B40)

Date Tested: 07/07/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-004

Ambient Temp: 24.0°C; Fluid Temp: 23.8°C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 868.9875 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 869 \text{ MHz}$; $\sigma = 0.984 \text{ mho/m}$; $\epsilon_r = 53.8$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 4.0 cm Leather Case & Belt Loop Spacing from Back of DUT to Planar Phantom

Area Scan (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (measured) = 0.918 mW/g

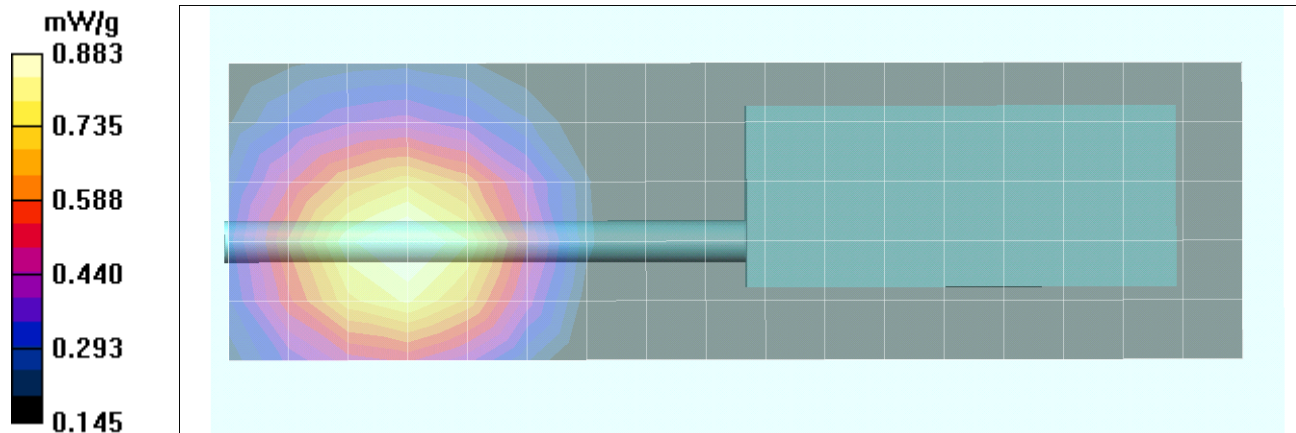
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 9.76 V/m; Power Drift = 0.243 dB

Peak SAR (extrapolated) = 1.03 W/kg

SAR(1 g) = 0.834 mW/g; SAR(10 g) = 0.622 mW/g

Maximum value of SAR (measured) = 0.883 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver	Model:	P5500 (800)	806-824 / 851-869 MHz		
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	<u>Test Report Issue Date</u> October 05, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot #41 (B41)

Date Tested: 07/07/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-004

Ambient Temp: 24.0°C; Fluid Temp: 23.8°C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 823.9875 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824$ MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 4.0 cm Leather Case & Belt Loop Spacing from Back of DUT to Planar Phantom

Area Scan (6x18x1): Measurement grid: $dx=20$ mm, $dy=20$ mm

Maximum value of SAR (measured) = 2.24 mW/g

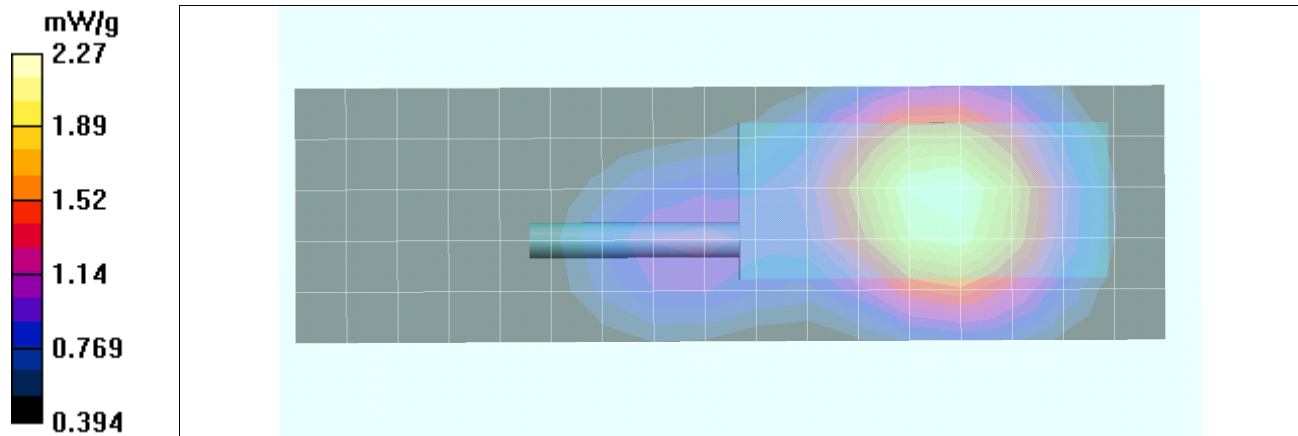
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 33.3 V/m; Power Drift = -0.405 dB

Peak SAR (extrapolated) = 2.64 W/kg

SAR(1 g) = 2.16 mW/g; SAR(10 g) = 1.62 mW/g

Maximum value of SAR (measured) = 2.27 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver		Model:	P5500 (800)	806-824 / 851-869 MHz	
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	<u>Test Report Issue Date</u> October 05, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot #42 (B42)

Date Tested: 07/07/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-004

Ambient Temp: 24.0°C; Fluid Temp: 23.8°C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 868.9875 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 869$ MHz; $\sigma = 0.984$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 4.0 cm Leather Case & Belt Loop Spacing from Back of DUT to Planar Phantom

Area Scan (6x18x1): Measurement grid: $dx=20$ mm, $dy=20$ mm

Maximum value of SAR (measured) = 1.72 mW/g

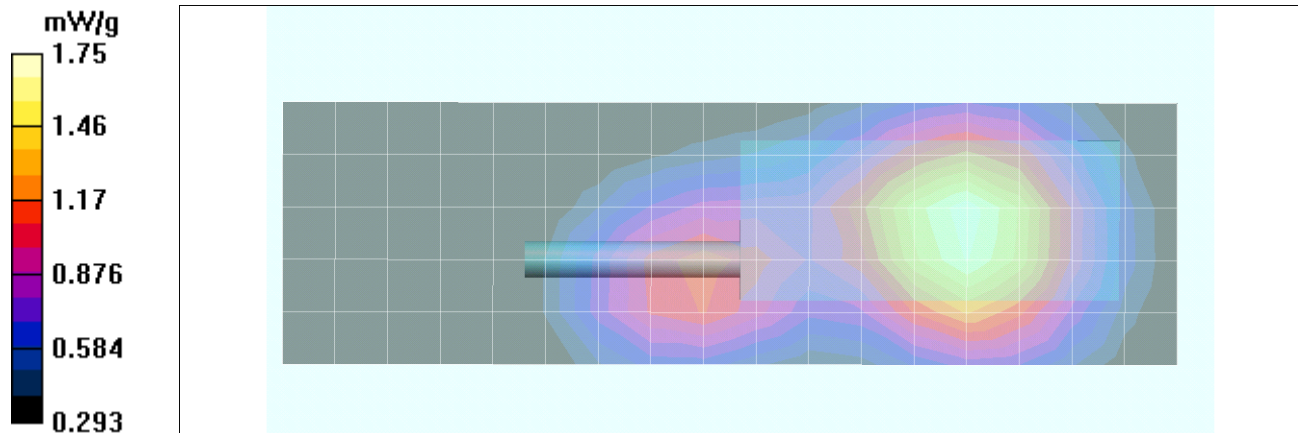
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 31.9 V/m; Power Drift = -0.206 dB

Peak SAR (extrapolated) = 2.31 W/kg

SAR(1 g) = 1.64 mW/g; SAR(10 g) = 1.24 mW/g

Maximum value of SAR (measured) = 1.75 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver		Model:	P5500 (800)	806-824 / 851-869 MHz	
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Body SAR Plot #43 (B43)

Date Tested: 07/07/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-004

Ambient Temp: 24.0°C; Fluid Temp: 23.8°C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 823.9875 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.93 \text{ mho/m}$; $\epsilon_r = 54.3$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 4.0 cm Leather Case & Belt Loop Spacing from Back of DUT to Planar Phantom

Area Scan (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (measured) = 1.95 mW/g

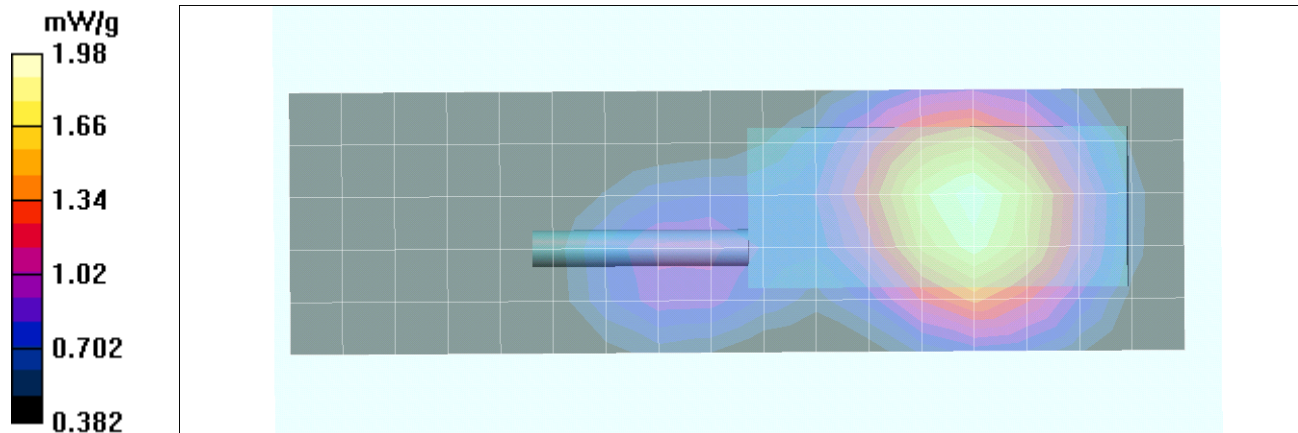
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 31.4 V/m; Power Drift = -0.635 dB

Peak SAR (extrapolated) = 2.49 W/kg

SAR(1 g) = 1.88 mW/g; SAR(10 g) = 1.44 mW/g

Maximum value of SAR (measured) = 1.98 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver	Model:	P5500 (800)	806-824 / 851-869 MHz		
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	<u>Test Report Issue Date</u> October 05, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot #44 (B44)

Date Tested: 07/07/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-004

Ambient Temp: 24.0°C; Fluid Temp: 23.8°C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 823.9875 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.93 \text{ mho/m}$; $\epsilon_r = 54.3$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 4.0 cm Leather Case & Belt Loop Spacing from Back of DUT to Planar Phantom

Area Scan (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (measured) = 2.58 mW/g

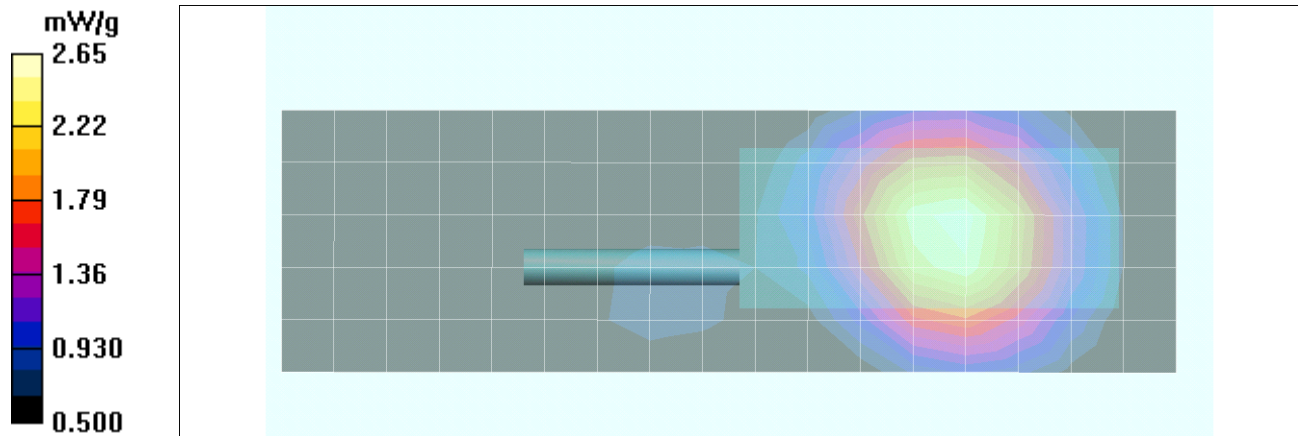
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 27.0 V/m; Power Drift = -0.150 dB

Peak SAR (extrapolated) = 3.22 W/kg

SAR(1 g) = 2.51 mW/g; SAR(10 g) = 1.92 mW/g

Maximum value of SAR (measured) = 2.65 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver	Model:	P5500 (800)	806-824 / 851-869 MHz		
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	<u>Test Report Issue Date</u> October 05, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot #45 (B45)

Date Tested: 07/07/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-004

Ambient Temp: 24.0°C; Fluid Temp: 23.8°C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 868.9875 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 869$ MHz; $\sigma = 0.984$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 4.0 cm Leather Case & Belt Loop Spacing from Back of DUT to Planar Phantom

Area Scan (6x18x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 1.54 mW/g

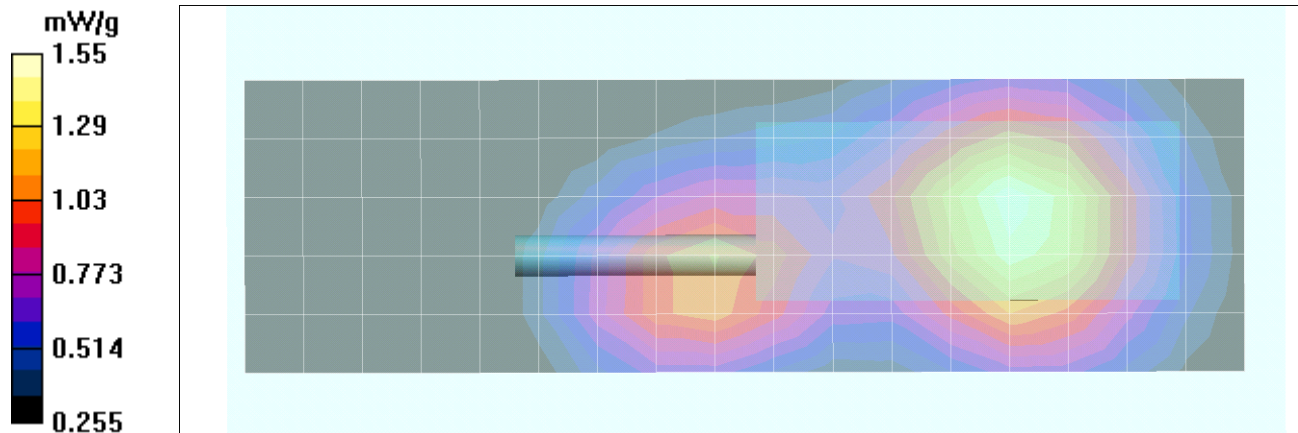
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 31.0 V/m; Power Drift = -0.094 dB

Peak SAR (extrapolated) = 2.06 W/kg

SAR(1 g) = 1.44 mW/g; SAR(10 g) = 1.08 mW/g

Maximum value of SAR (measured) = 1.55 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver	Model:	P5500 (800)	806-824 / 851-869 MHz		
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Body SAR Plot #46 (B46)

Date Tested: 07/07/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-004

Ambient Temp: 24.0°C; Fluid Temp: 23.8°C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 868.9875 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 869 \text{ MHz}$; $\sigma = 0.984 \text{ mho/m}$; $\epsilon_r = 53.8$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 4.0 cm Leather Case & Belt Loop Spacing from Back of DUT to Planar Phantom

Area Scan (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (measured) = 1.89 mW/g

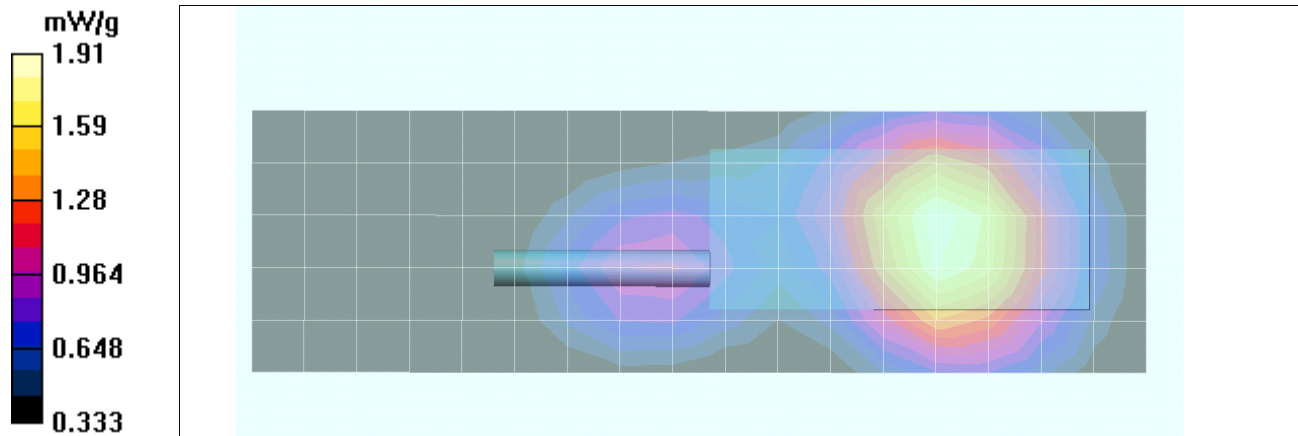
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 29.6 V/m; Power Drift = -0.185 dB

Peak SAR (extrapolated) = 2.53 W/kg

SAR(1 g) = 1.77 mW/g; SAR(10 g) = 1.36 mW/g

Maximum value of SAR (measured) = 1.91 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver	Model:	P5500 (800)	806-824 / 851-869 MHz		
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	<u>Test Report Issue Date</u> October 05, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot #47 (B47)

Date Tested: 07/08/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-004

Ambient Temp: 22.0°C; Fluid Temp: 21.0°C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 823.9875 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824$ MHz; $\sigma = 0.967$ mho/m; $\epsilon_r = 54.6$; $\rho = 1000$ kg/m³

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 5.1 cm Leather Case & Leather Belt Loop Spacing from Back of DUT to Planar Phantom

Area Scan (8x24x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.77 mW/g

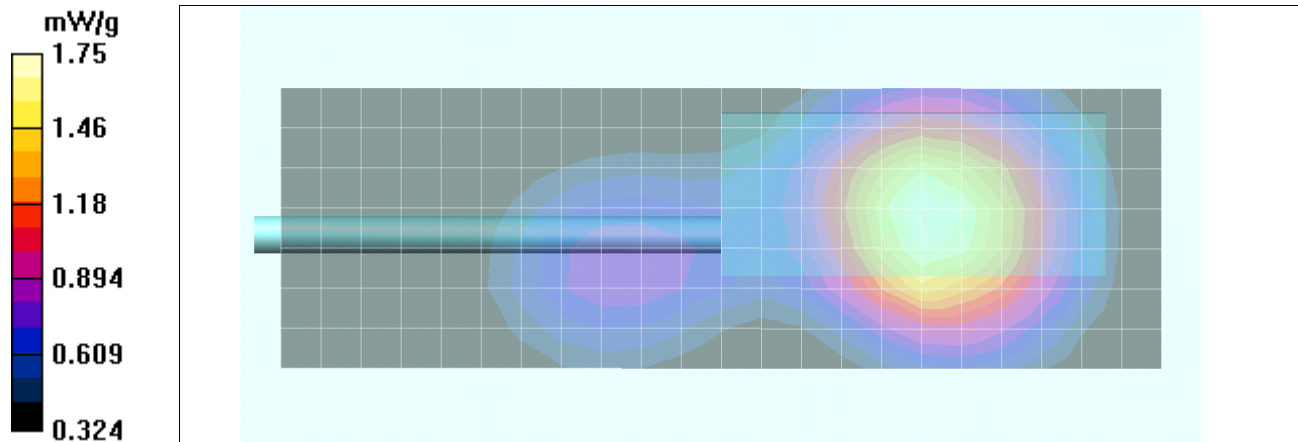
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25.0 V/m; Power Drift = -0.259 dB

Peak SAR (extrapolated) = 2.02 W/kg

SAR(1 g) = 1.66 mW/g; SAR(10 g) = 1.27 mW/g

Maximum value of SAR (measured) = 1.75 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver		Model:	P5500 (800)	806-824 / 851-869 MHz	
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	<u>Date(s) of Evaluation</u> July 05-08, 11-12, 2011	<u>Test Report Serial No.</u> 070411OWD-T1108-S90P	<u>Test Report Revision No.</u> Rev. 1.2 (3rd Release)	
	<u>Test Report Issue Date</u> October 05, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot #48 (B48)

Date Tested: 07/08/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-004

Ambient Temp: 22.0°C; Fluid Temp: 21.0°C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 868.9875 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 869 \text{ MHz}$; $\sigma = 1 \text{ mho/m}$; $\epsilon_r = 54.2$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 5.1 cm Leather Case & Leather Belt Loop Spacing from Back of DUT to Planar Phantom

Area Scan (8x24x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.964 mW/g

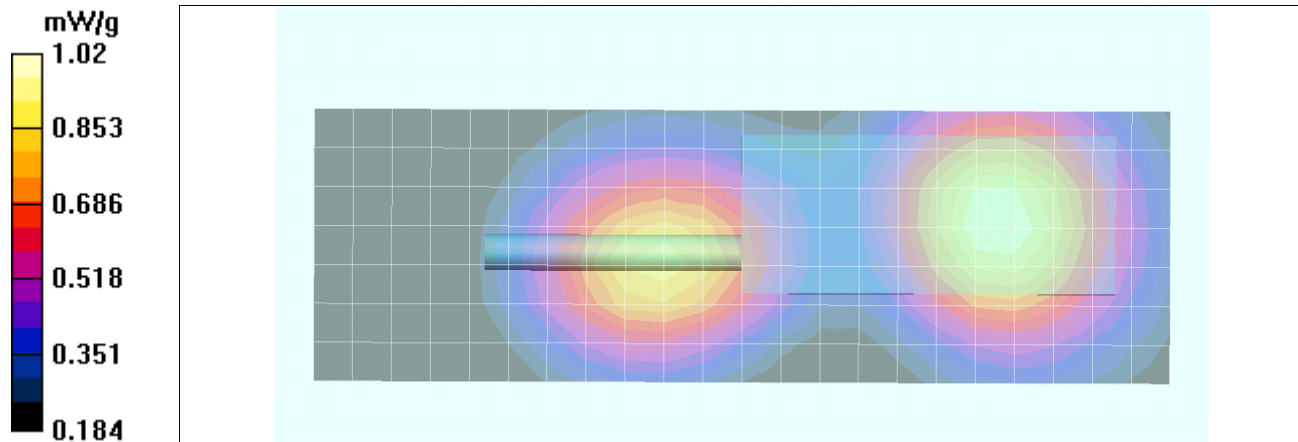
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 26.4 V/m; Power Drift = -0.184 dB

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.970 mW/g; SAR(10 g) = 0.739 mW/g

Maximum value of SAR (measured) = 1.02 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver	Model:	P5500 (800)	806-824 / 851-869 MHz		
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	<u>Test Report Issue Date</u> October 05, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot #49 (B49)

Date Tested: 07/08/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-004

Ambient Temp: 22.0°C; Fluid Temp: 21.0°C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 823.9875 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824$ MHz; $\sigma = 0.967$ mho/m; $\epsilon_r = 54.6$; $\rho = 1000$ kg/m³

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 5.1 cm Leather Case & Leather Belt Loop Spacing from Back of DUT to Planar Phantom

Area Scan (8x24x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.928 mW/g

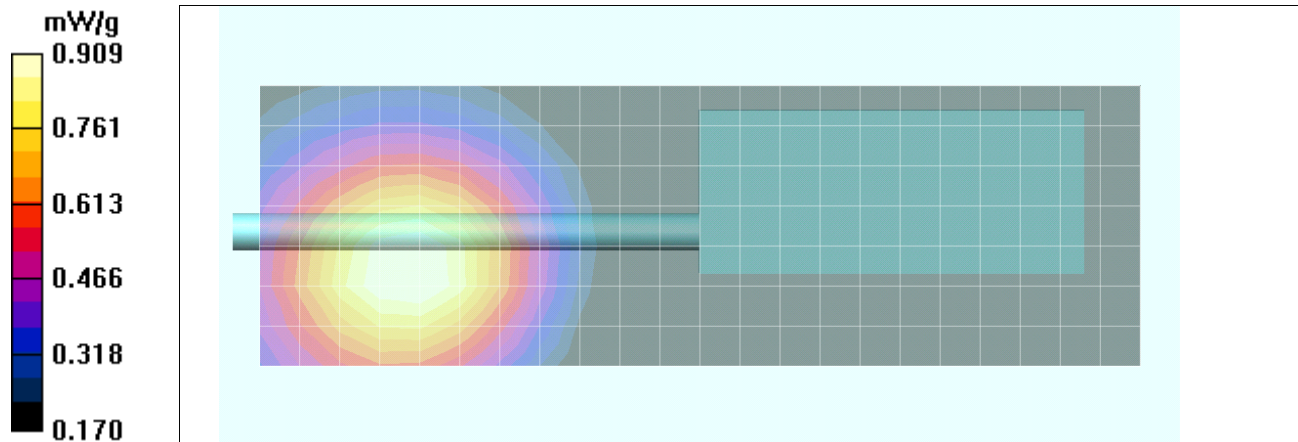
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.54 V/m; Power Drift = -0.405 dB

Peak SAR (extrapolated) = 1.05 W/kg

SAR(1 g) = 0.864 mW/g; SAR(10 g) = 0.659 mW/g

Maximum value of SAR (measured) = 0.909 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver	Model:	P5500 (800)	806-824 / 851-869 MHz		
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	<u>Test Report Issue Date</u> October 05, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot #50 (B50)

Date Tested: 07/08/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-004

Ambient Temp: 22.0°C; Fluid Temp: 21.0°C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 868.9875 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 869 \text{ MHz}$; $\sigma = 1 \text{ mho/m}$; $\epsilon_r = 54.2$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 5.1 cm Leather Case & Leather Belt Loop Spacing from Back of DUT to Planar Phantom

Area Scan (8x24x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.692 mW/g

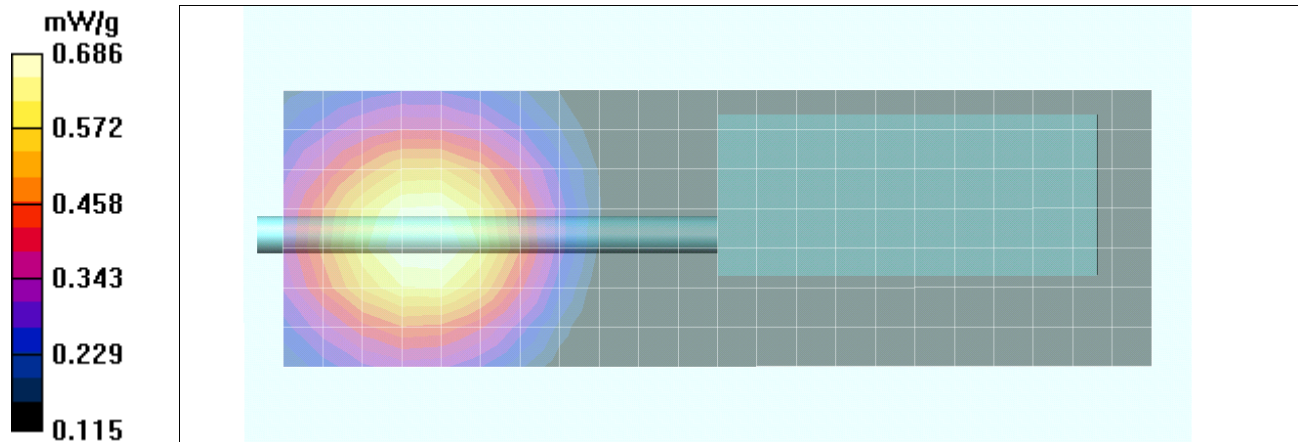
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 7.54 V/m; Power Drift = -0.122 dB

Peak SAR (extrapolated) = 0.809 W/kg

SAR(1 g) = 0.648 mW/g; SAR(10 g) = 0.486 mW/g

Maximum value of SAR (measured) = 0.686 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver		Model:	P5500 (800)	806-824 / 851-869 MHz	
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Body SAR Plot #51 (B51)

Date Tested: 07/08/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-004

Ambient Temp: 22.0°C; Fluid Temp: 21.0°C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 823.9875 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824$ MHz; $\sigma = 0.967$ mho/m; $\epsilon_r = 54.6$; $\rho = 1000$ kg/m³

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 5.1 cm Leather Case & Leather Belt Loop Spacing from Back of DUT to Planar Phantom

Area Scan (8x24x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 2.74 mW/g

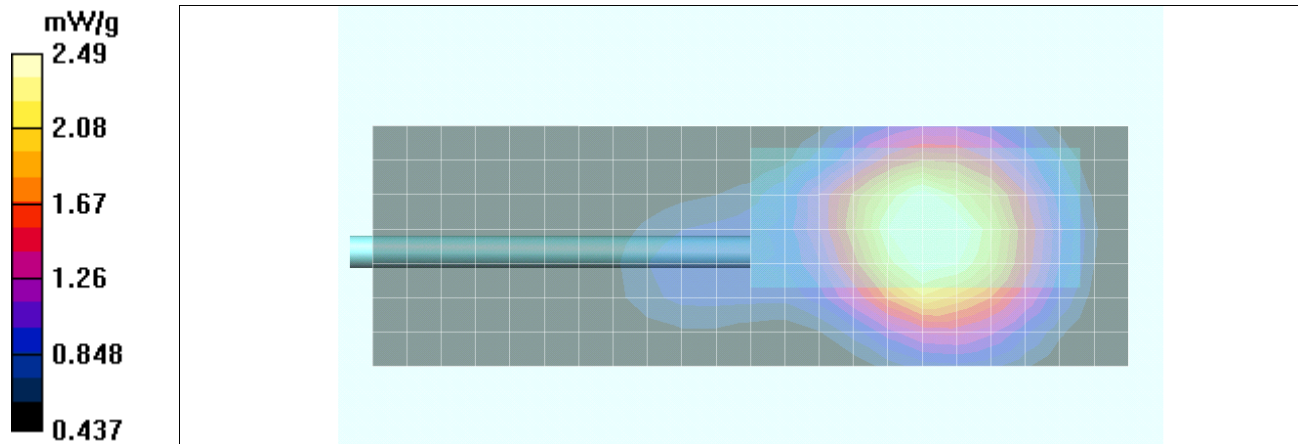
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 27.6 V/m; Power Drift = -0.291 dB

Peak SAR (extrapolated) = 2.97 W/kg

SAR(1 g) = 2.38 mW/g; SAR(10 g) = 1.81 mW/g

Maximum value of SAR (measured) = 2.49 mW/g

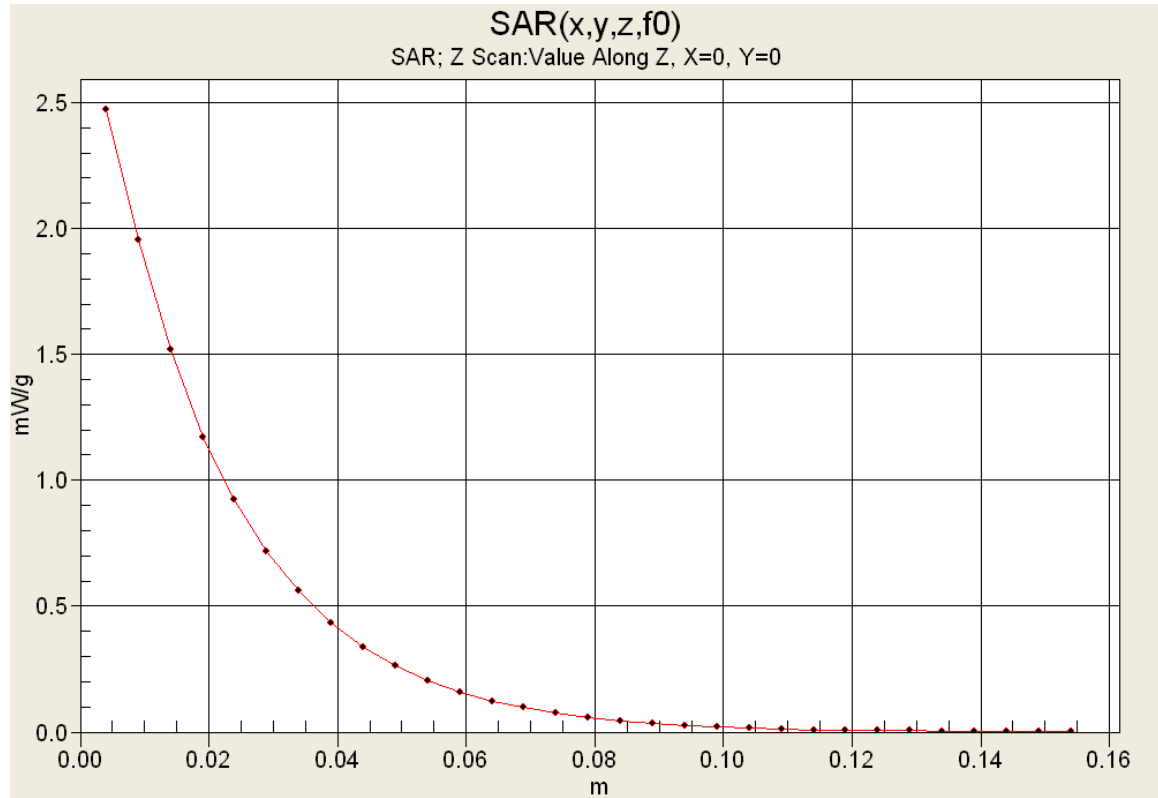


Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver		Model:	P5500 (800)	806-824 / 851-869 MHz	
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	<u>Test Report Issue Date</u> October 05, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Z-Axis Scan



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver		Model:	P5500 (800)	806-824 / 851-869 MHz	
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	<u>Date(s) of Evaluation</u> July 05-08, 11-12, 2011	<u>Test Report Serial No.</u> 070411OWD-T1108-S90P	<u>Test Report Revision No.</u> Rev. 1.2 (3rd Release)	
	<u>Test Report Issue Date</u> October 05, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot #52 (B52)

Date Tested: 07/08/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-004

Ambient Temp: 22.0°C; Fluid Temp: 21.0°C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 868.9875 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 869 \text{ MHz}$; $\sigma = 1 \text{ mho/m}$; $\epsilon_r = 54.2$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 5.1 cm Leather Case & Leather Belt Loop Spacing from Back of DUT to Planar Phantom

Area Scan (8x24x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 1.18 mW/g

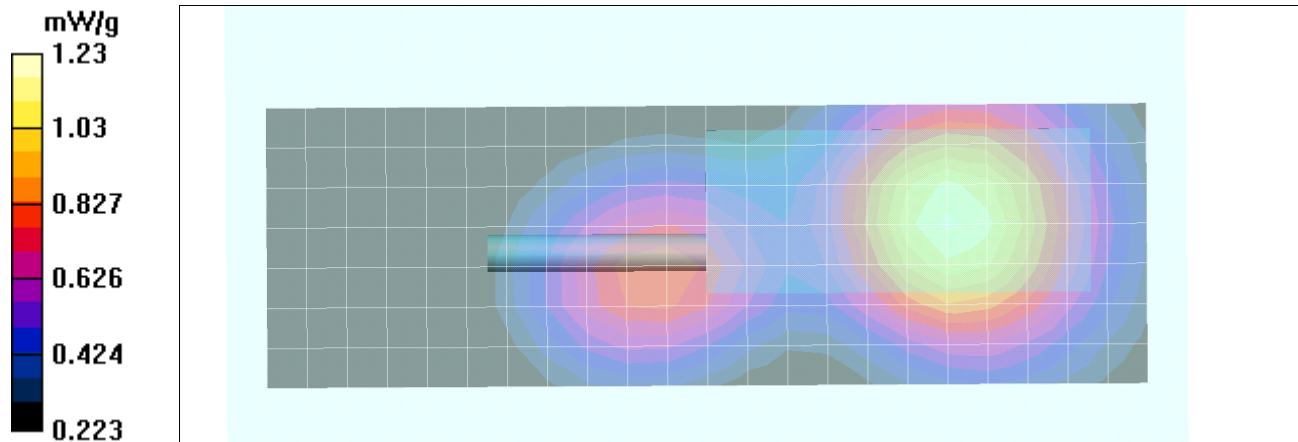
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 26.4 V/m; Power Drift = -0.233 dB

Peak SAR (extrapolated) = 1.42 W/kg

SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.891 mW/g

Maximum value of SAR (measured) = 1.23 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver		Model:	P5500 (800)	806-824 / 851-869 MHz	
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	<u>Test Report Issue Date</u> October 05, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot #53 (B53)

Date Tested: 07/08/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-004

Ambient Temp: 22.0°C; Fluid Temp: 21.0°C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 823.9875 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824$ MHz; $\sigma = 0.967$ mho/m; $\epsilon_r = 54.6$; $\rho = 1000$ kg/m³

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 5.1 cm Leather Case & Leather Belt Loop Spacing from Back of DUT to Planar Phantom

Area Scan (8x24x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.52 mW/g

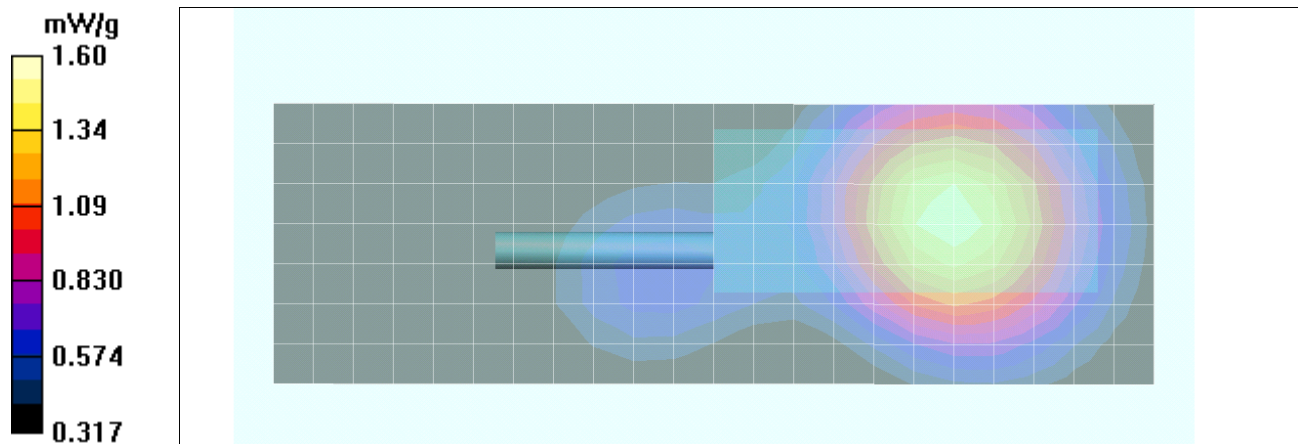
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.8 V/m; Power Drift = -0.136 dB

Peak SAR (extrapolated) = 1.83 W/kg

SAR(1 g) = 1.52 mW/g; SAR(10 g) = 1.17 mW/g

Maximum value of SAR (measured) = 1.60 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver	Model:	P5500 (800)	806-824 / 851-869 MHz		
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