

	<u>Date(s) of Evaluation</u> Jul. 05-11, Aug. 24, 2011	<u>Test Report Serial No.</u> 070411OWD-T1108S-C2PC	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> October 07, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

APPENDIX A - SAR MEASUREMENT DATA

Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver	Models:	P5500 800 System	P5500 800 Scan		
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Test Lab Certificate No. 2470.01

Face SAR Plot #1

Date Tested: 07/05/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-003

Ambient Temp: 24C; Fluid Temp: 23.2C; Barometric Pressure: 101.1 kPa; Humidity: 29%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.888 \text{ mho/m}$; $\epsilon_r = 43$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.5, 6.5, 6.5); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Face-held SAR - 2.5 cm Spacing from Front of DUT to Planar Phantom

Area Scan (7x24x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 3.92 mW/g

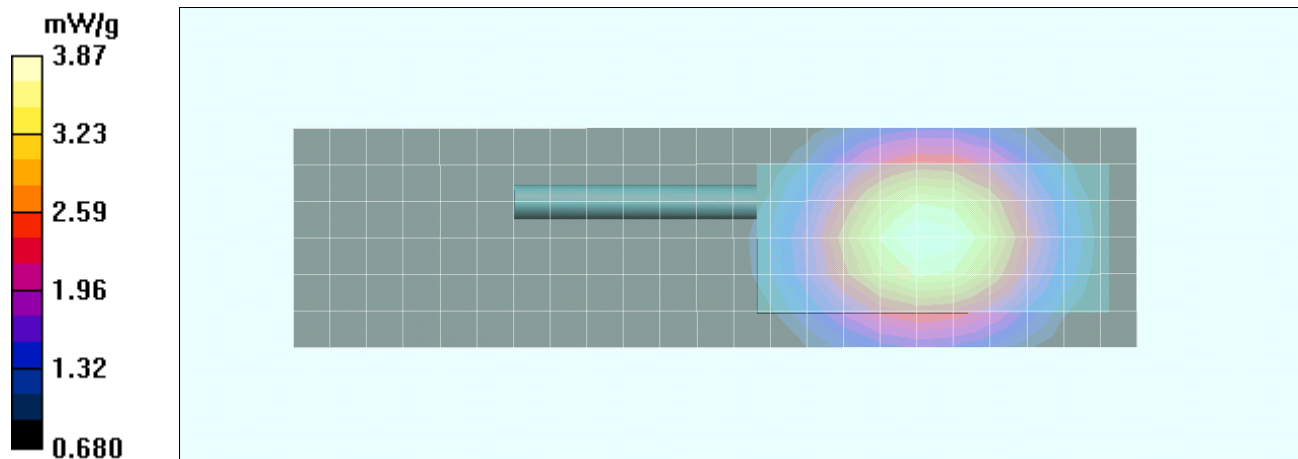
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 35.4 V/m; Power Drift = -0.238 dB

Peak SAR (extrapolated) = 4.44 W/kg

SAR(1 g) = 3.66 mW/g; SAR(10 g) = 2.76 mW/g

Maximum value of SAR (measured) = 3.87 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver	Models:	P5500 800 System	P5500 800 Scan		
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Face SAR Plot #F2

Date Tested: 07/05/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-003

Ambient Temp: 24C; Fluid Temp: 23.2C; Barometric Pressure: 101.1 kPa; Humidity: 29%

Communication System: CW

Frequency: 869 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 869 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 42.5$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.5, 6.5, 6.5); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Face-held SAR - 2.5 cm Spacing from Front of DUT to Planar Phantom

Area Scan (7x24x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 3.79 mW/g

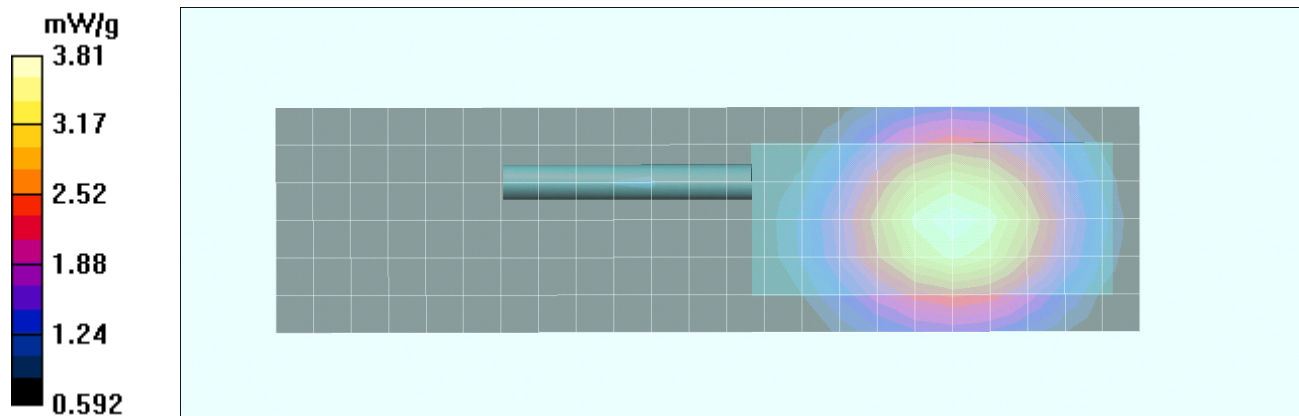
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 27.9 V/m; Power Drift = -0.118 dB

Peak SAR (extrapolated) = 4.51 W/kg

SAR(1 g) = 3.62 mW/g; SAR(10 g) = 2.69 mW/g

Maximum value of SAR (measured) = 3.81 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver	Models:	P5500 800 System	P5500 800 Scan		
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	<u>Test Report Issue Date</u> October 07, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Face SAR Plot #F3

Date Tested: 07/05/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-003

Ambient Temp: 24C; Fluid Temp: 23.2C; Barometric Pressure: 101.1 kPa; Humidity: 29%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.888 \text{ mho/m}$; $\epsilon_r = 43$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.5, 6.5, 6.5); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Face-held SAR - 2.5 cm Spacing from Front of DUT to Planar Phantom

Area Scan (7x24x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

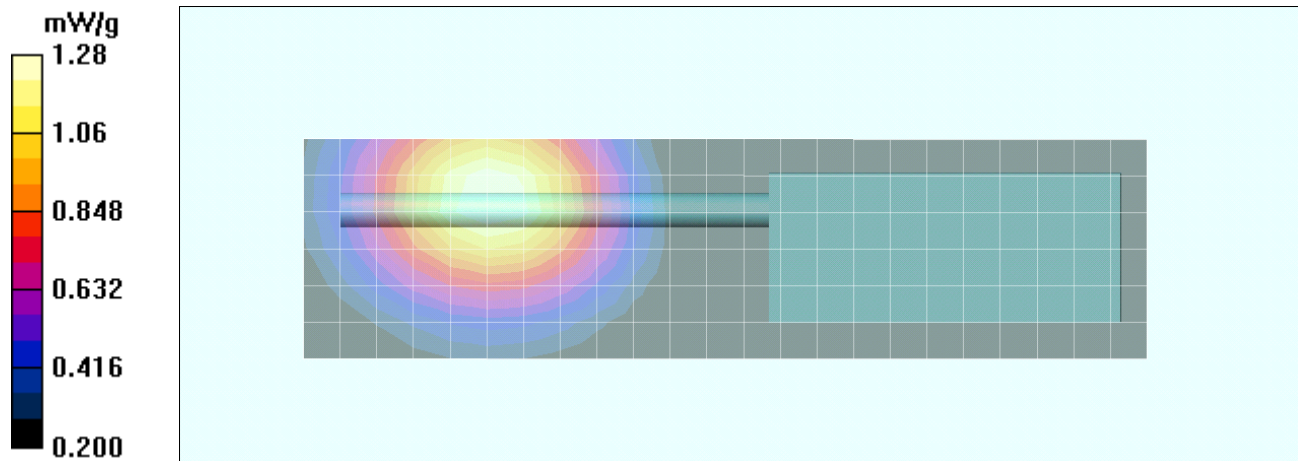
Maximum value of SAR (measured) = 1.28 mW/g

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

Reference Value = 8.12 V/m; Power Drift = -0.322 dB

Peak SAR (extrapolated) = 1.49 W/kg

SAR(1 g) = 1.21 mW/g; SAR(10 g) = 0.921 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver	Models:	P5500 800 System	P5500 800 Scan		
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	<u>Test Report Issue Date</u> October 07, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	
Test Lab Certificate No. 2470.01				

Face SAR Plot #F4

Date Tested: 07/05/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-003

Ambient Temp: 24C; Fluid Temp: 23.2C; Barometric Pressure: 101.1 kPa; Humidity: 29%

Communication System: CW

Frequency: 869 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 869 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 42.5$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.5, 6.5, 6.5); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Face-held SAR - 2.5 cm Spacing from Front of DUT to Planar Phantom

Area Scan (7x24x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.983 mW/g

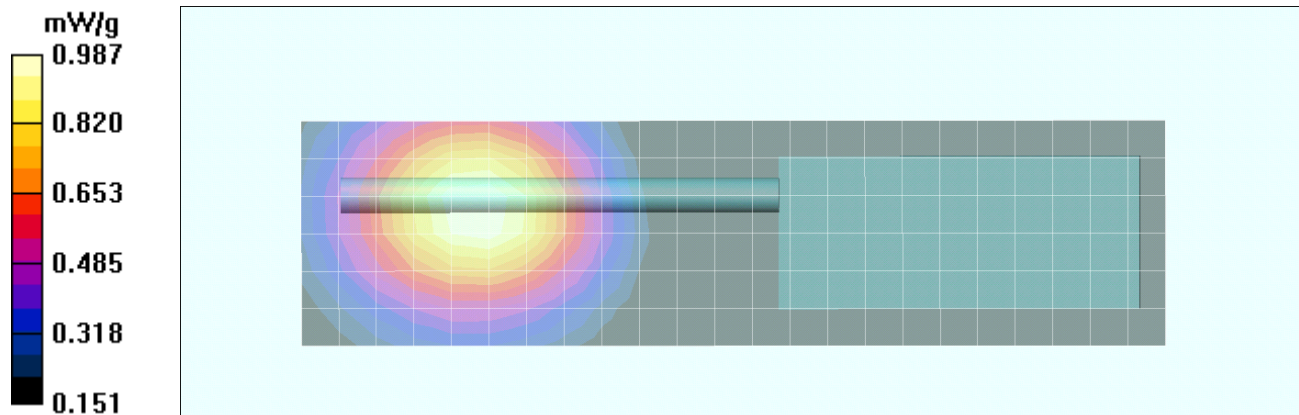
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 7.24 V/m; Power Drift = -0.100 dB

Peak SAR (extrapolated) = 1.17 W/kg

SAR(1 g) = 0.934 mW/g; SAR(10 g) = 0.692 mW/g

Maximum value of SAR (measured) = 0.987 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver	Models:	P5500 800 System	P5500 800 Scan		
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Test Lab Certificate No. 2470.01

Face SAR Plot #F5

Date Tested: 07/05/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-003

Ambient Temp: 24C; Fluid Temp: 23.2C; Barometric Pressure: 101.1 kPa; Humidity: 29%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.888 \text{ mho/m}$; $\epsilon_r = 43$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.5, 6.5, 6.5); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Face-held SAR - 2.5 cm Spacing from Front of DUT to Planar Phantom

Area Scan (7x24x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

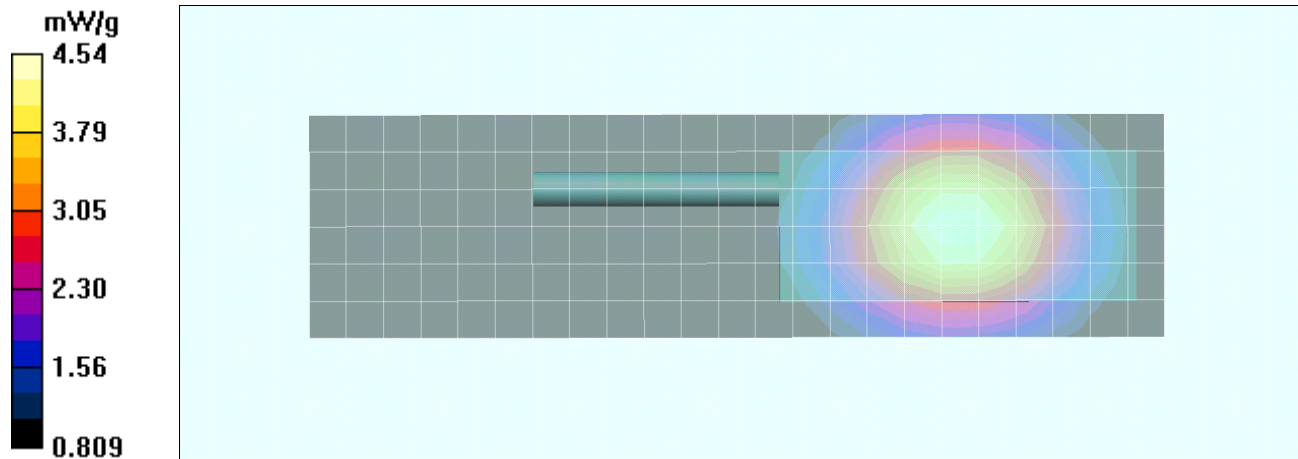
Maximum value of SAR (measured) = 4.54 mW/g

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

Reference Value = 37.1 V/m; Power Drift = -0.103 dB

Peak SAR (extrapolated) = 5.28 W/kg

SAR(1 g) = 4.32 mW/g; SAR(10 g) = 3.27 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver	Models:	P5500 800 System	P5500 800 Scan		
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Face SAR Plot #F6

Date Tested: 07/05/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-003

Ambient Temp: 24C; Fluid Temp: 23.2C; Barometric Pressure: 101.1 kPa; Humidity: 29%

Communication System: CW

Frequency: 869 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 869 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 42.5$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.5, 6.5, 6.5); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Face-held SAR - 2.5 cm Spacing from Front of DUT to Planar Phantom

Area Scan (7x24x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 4.09 mW/g

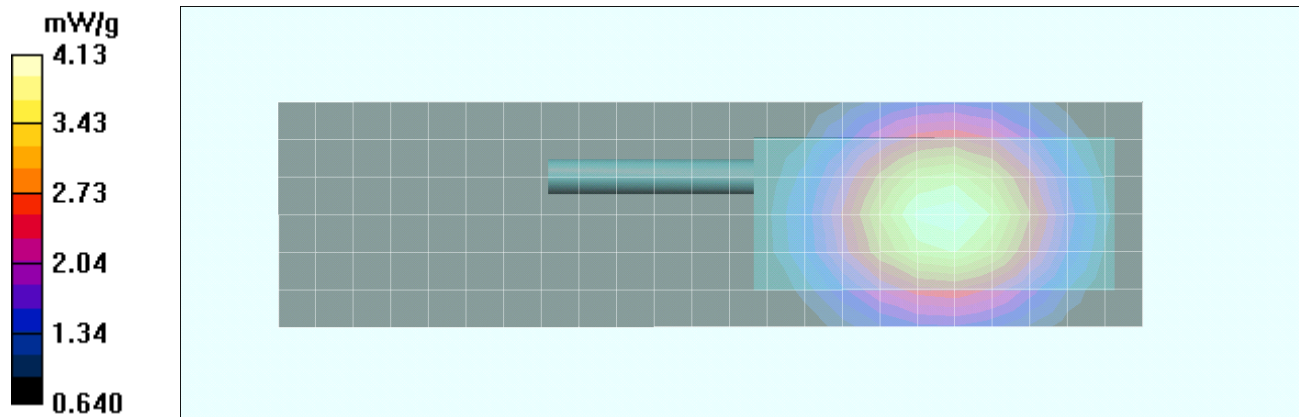
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 29.3 V/m; Power Drift = -0.075 dB

Peak SAR (extrapolated) = 4.89 W/kg

SAR(1 g) = 3.9 mW/g; SAR(10 g) = 2.88 mW/g

Maximum value of SAR (measured) = 4.13 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver	Models:	P5500 800 System	P5500 800 Scan		
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Body SAR Plot #B1

Date Tested: 08/24/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-003

Ambient Temp: 23C; Fluid Temp: 23.6C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 869 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 869 \text{ MHz}$; $\sigma = 0.99 \text{ mho/m}$; $\epsilon_r = 54$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))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 - 1.1 cm Belt-Clip Spacing from Back of DUT to Planar Phantom

Area Scan (8x23x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 4.99 mW/g

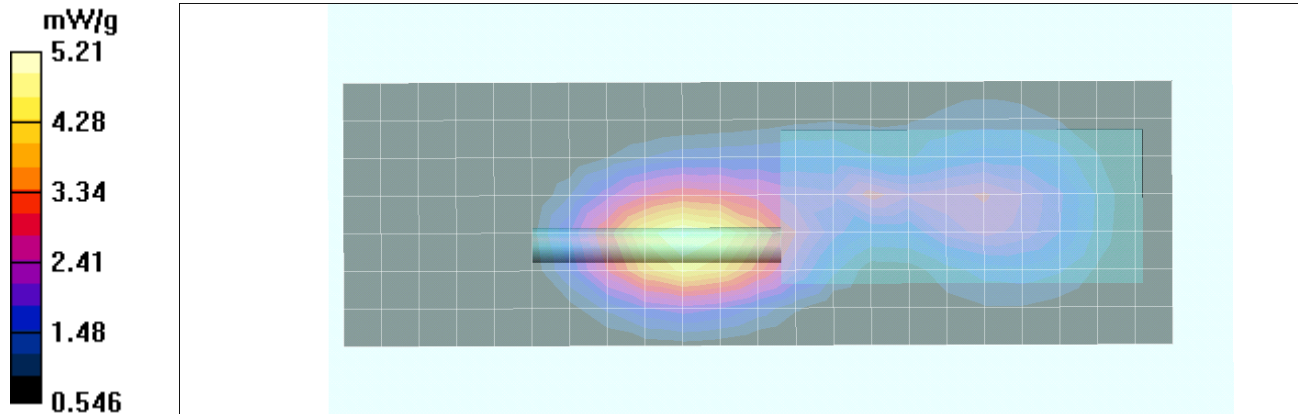
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 56.2 V/m; Power Drift = -0.203 dB

Peak SAR (extrapolated) = 6.36 W/kg

SAR(1 g) = 4.89 mW/g; SAR(10 g) = 3.44 mW/g

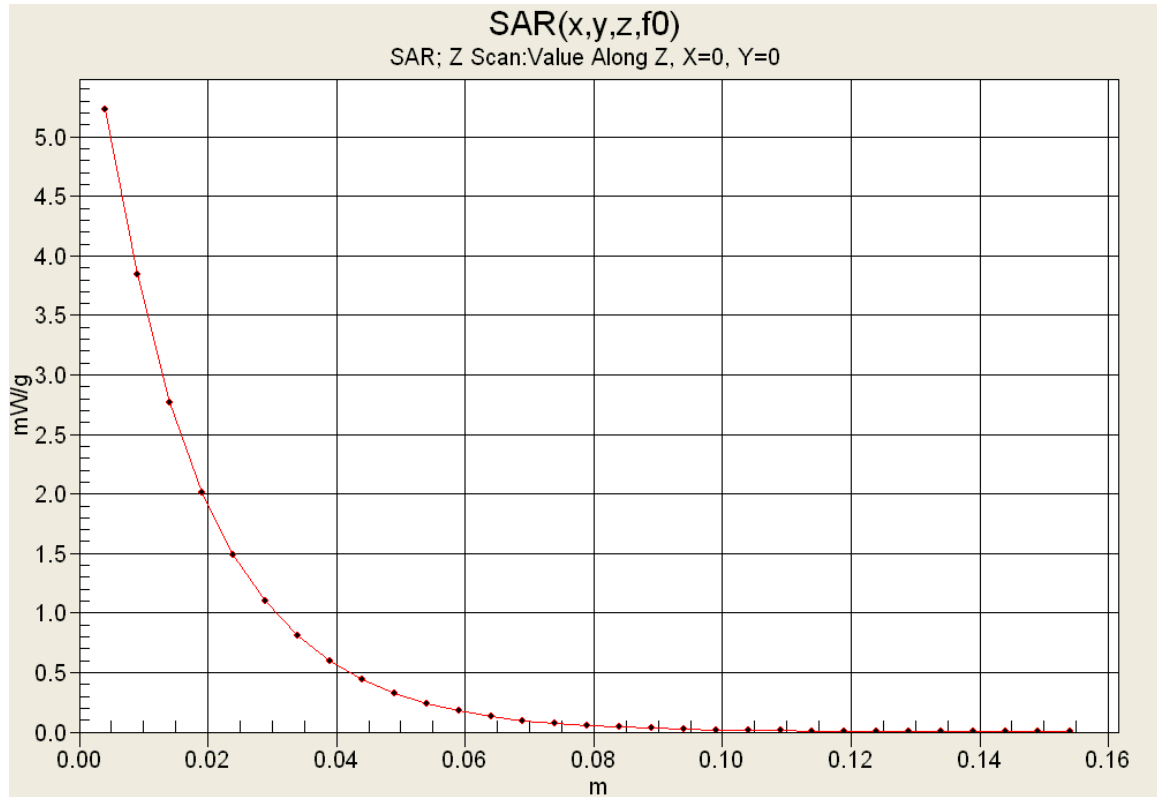
Maximum value of SAR (measured) = 5.21 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver	Models:	P5500 800 System	P5500 800 Scan		
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	<u>Test Report Issue Date</u> October 07, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Z-Axis Scan



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver	Models:	P5500 800 System	P5500 800 Scan		
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Test Lab Certificate No. 2470.01

Body SAR Plot #B2

Date Tested: 07/08/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-003

Ambient Temp: 22C; Fluid Temp: 21.0C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.967 \text{ mho/m}$; $\epsilon_r = 54.6$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))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 - 1.1 cm Belt-Clip Spacing from Back of DUT to Planar Phantom

Area Scan (8x23x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 6.21 mW/g

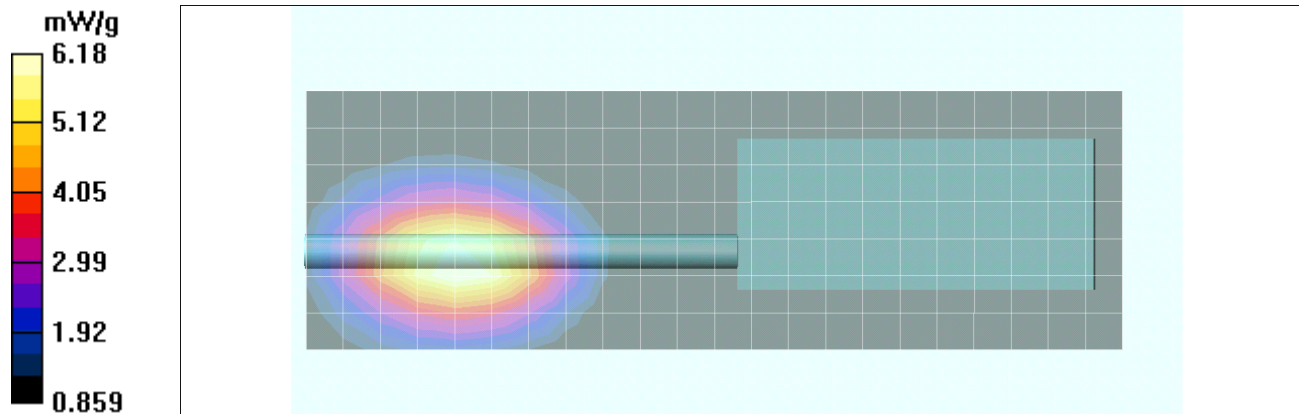
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 18.7 V/m; Power Drift = 0.053 dB

Peak SAR (extrapolated) = 7.30 W/kg

SAR(1 g) = 5.78 mW/g; SAR(10 g) = 4.18 mW/g

Maximum value of SAR (measured) = 6.18 mW/g

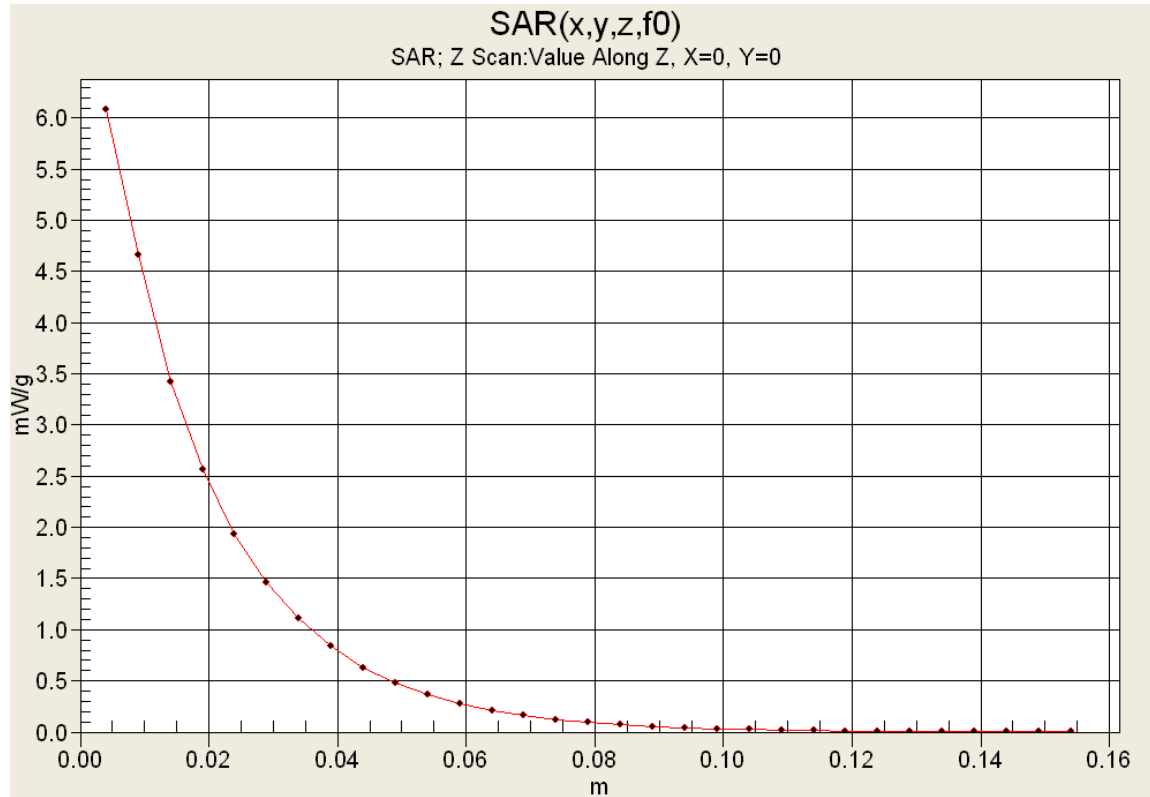


Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver	Models:	P5500 800 System	P5500 800 Scan		
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Test Lab Certificate No. 2470.01

Z-Axis Scan



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver	Models:	P5500 800 System	P5500 800 Scan		
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	<u>Test Report Issue Date</u> October 07, 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 #B3

Date Tested: 07/08/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-003

Ambient Temp: 22C; Fluid Temp: 21.0°C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.967 \text{ mho/m}$; $\epsilon_r = 54.6$; $\rho = 1000 \text{ kg/m}^3$

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

Body-worn SAR - 1.1 cm Belt-Clip Spacing from Back of DUT to Planar Phantom

Area Scan (8x23x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 5.70 mW/g

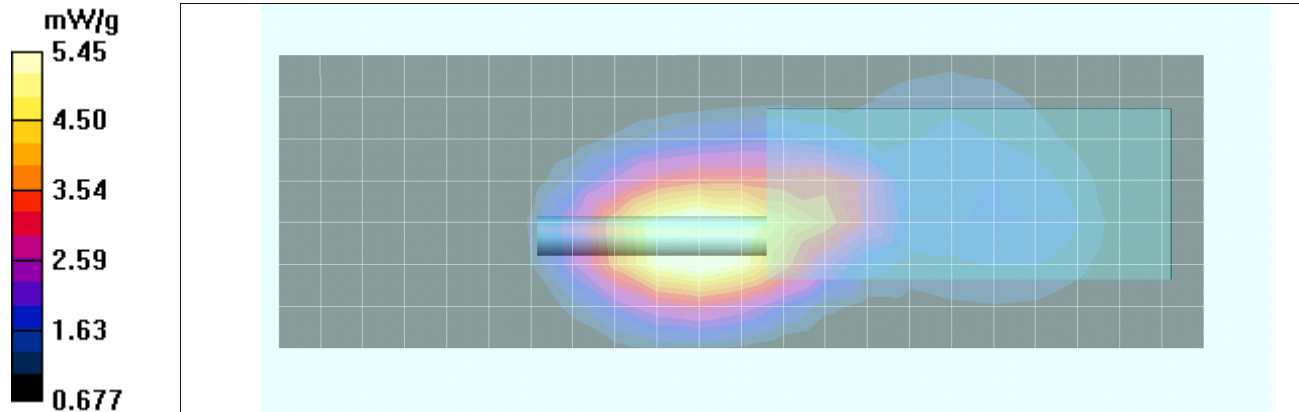
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 65.8 V/m; Power Drift = -0.651 dB

Peak SAR (extrapolated) = 6.60 W/kg

SAR(1 g) = 5.07 mW/g; SAR(10 g) = 3.62 mW/g

Maximum value of SAR (measured) = 5.45 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver	Models:	P5500 800 System	P5500 800 Scan		
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	<u>Test Report Issue Date</u> October 07, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot #B4

Date Tested: 08/24/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-003

Ambient Temp: 23C; Fluid Temp: 23.6C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 869 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 869 \text{ MHz}$; $\sigma = 0.99 \text{ mho/m}$; $\epsilon_r = 54$; $\rho = 1000 \text{ kg/m}^3$

- 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 (8x23x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 2.04 mW/g

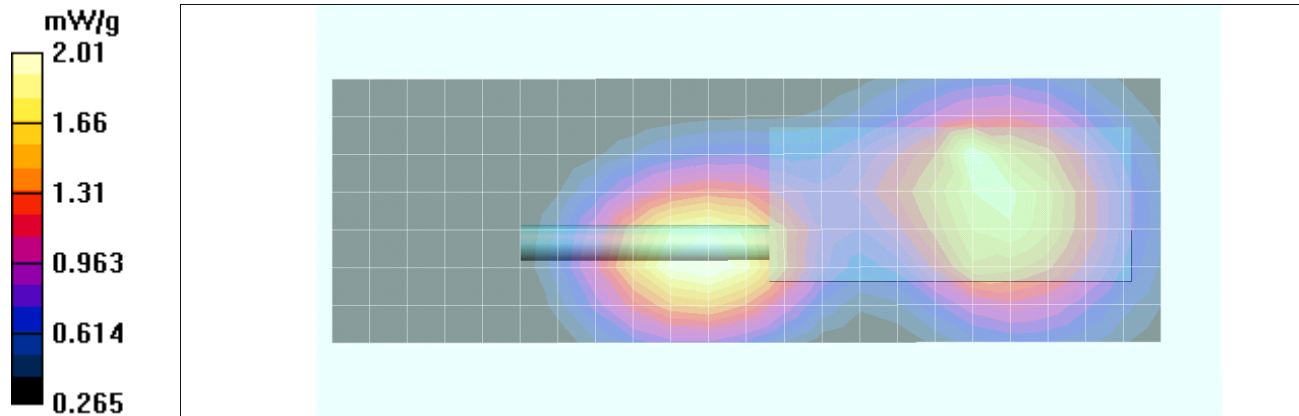
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 38.4 V/m; Power Drift = -0.538 dB

Peak SAR (extrapolated) = 2.39 W/kg

SAR(1 g) = 1.88 mW/g; SAR(10 g) = 1.37 mW/g

Maximum value of SAR (measured) = 2.01 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver	Models:	P5500 800 System	P5500 800 Scan		
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	<u>Test Report Issue Date</u> October 07, 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 #B5

Date Tested: 08/24/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-003

Ambient Temp: 23C; Fluid Temp: 23.6C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.931 \text{ mho/m}$; $\epsilon_r = 54.2$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))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 (8x23x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

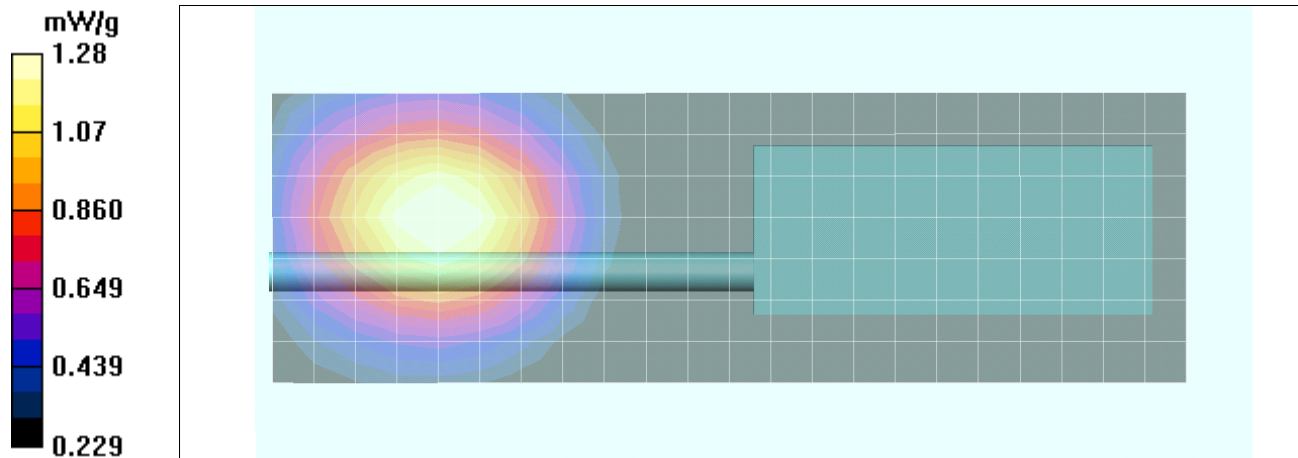
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 9.53 V/m; Power Drift = -0.429 dB

Peak SAR (extrapolated) = 1.49 W/kg

SAR(1 g) = 1.21 mW/g; SAR(10 g) = 0.916 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	Models:	P5500 800 System	P5500 800 Scan		
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	<u>Test Report Issue Date</u> October 07, 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 #B6

Date Tested: 08/24/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-003

Ambient Temp: 23C; Fluid Temp: 23.6C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.931 \text{ mho/m}$; $\epsilon_r = 54.2$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))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 (8x23x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

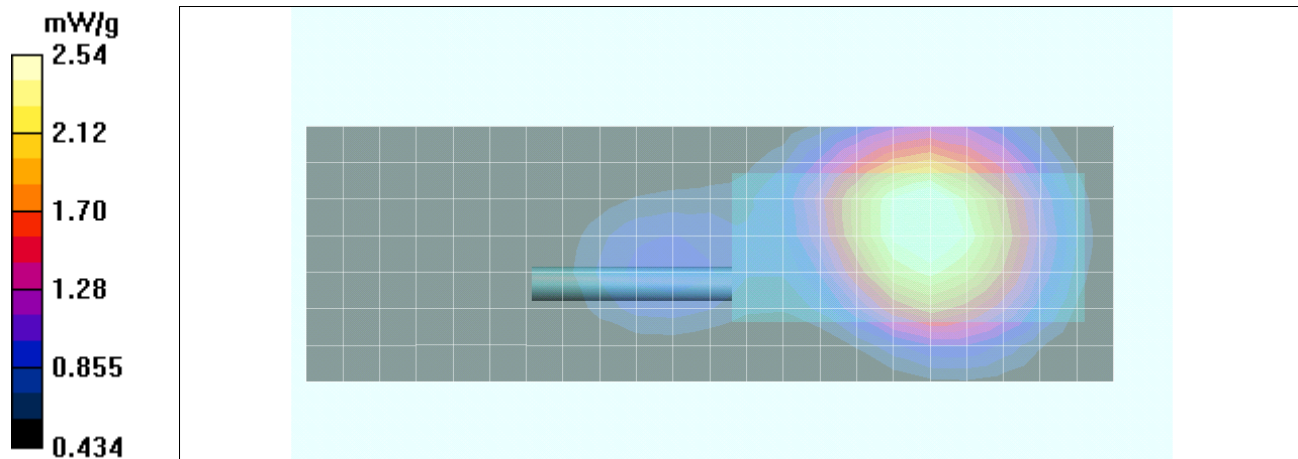
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 30.2 V/m; Power Drift = -0.306 dB

Peak SAR (extrapolated) = 3.30 W/kg

SAR(1 g) = 2.42 mW/g; SAR(10 g) = 1.87 mW/g

Maximum value of SAR (measured) = 2.54 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver	Models:	P5500 800 System	P5500 800 Scan		
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	<u>Test Report Issue Date</u> October 07, 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 #B7

Date Tested: 08/24/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-003

Ambient Temp: 23C; Fluid Temp: 23.6C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.931 \text{ mho/m}$; $\epsilon_r = 54.2$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas 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 (8x23x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 4.65 mW/g

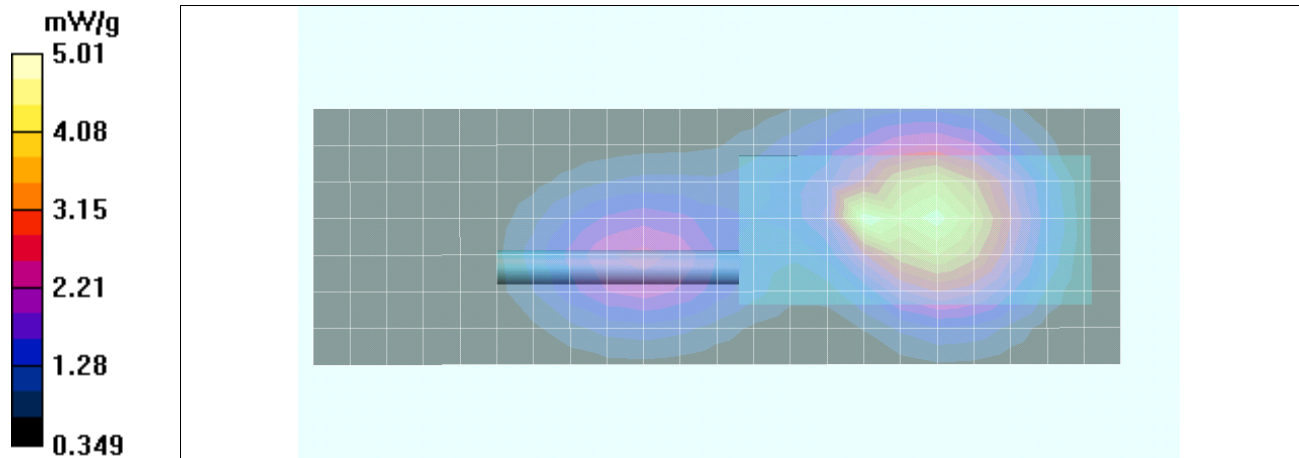
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 39.3 V/m; Power Drift = 0.103 dB

Peak SAR (extrapolated) = 8.95 W/kg

SAR(1 g) = 4.52 mW/g; SAR(10 g) = 2.97 mW/g

Maximum value of SAR (measured) = 5.01 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver	Models:	P5500 800 System	P5500 800 Scan		
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	<u>Test Report Issue Date</u> October 07, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot #B8

Date Tested: 08/24/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-003

Ambient Temp: 23C; Fluid Temp: 23.6C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.931 \text{ mho/m}$; $\epsilon_r = 54.2$; $\rho = 1000 \text{ kg/m}^3$

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

Area Scan (8x23x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 2.19 mW/g

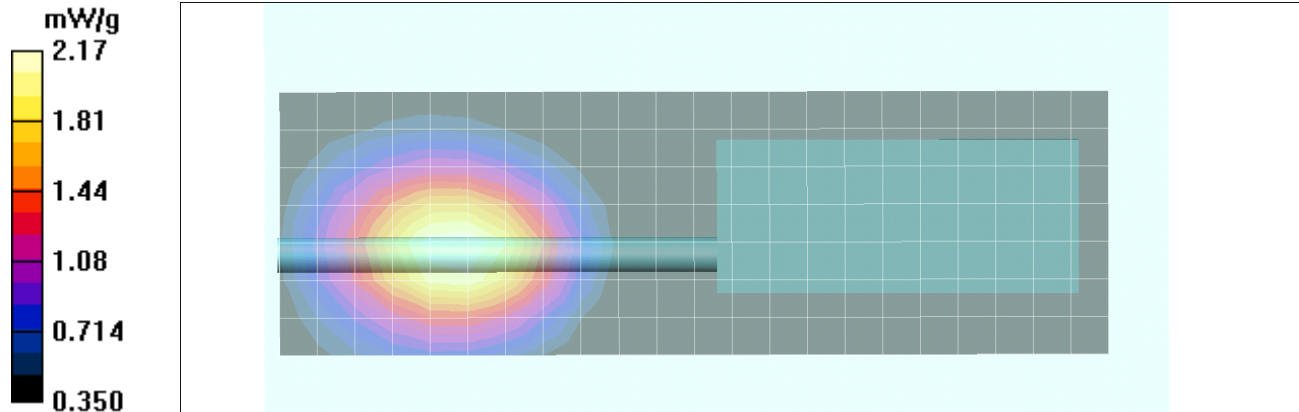
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 16.0 V/m; Power Drift = -0.198 dB

Peak SAR (extrapolated) = 2.54 W/kg

SAR(1 g) = 2.04 mW/g; SAR(10 g) = 1.52 mW/g

Maximum value of SAR (measured) = 2.17 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver	Models:	P5500 800 System	P5500 800 Scan		
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	<u>Test Report Issue Date</u> October 07, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot #B9

Date Tested: 07/11/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-003

Ambient Temp: 23C; Fluid Temp: 21.5C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 869 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 869 \text{ MHz}$; $\sigma = 1 \text{ mho/m}$; $\epsilon_r = 53.9$; $\rho = 1000 \text{ kg/m}^3$

- 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 (8x23x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 6.09 mW/g

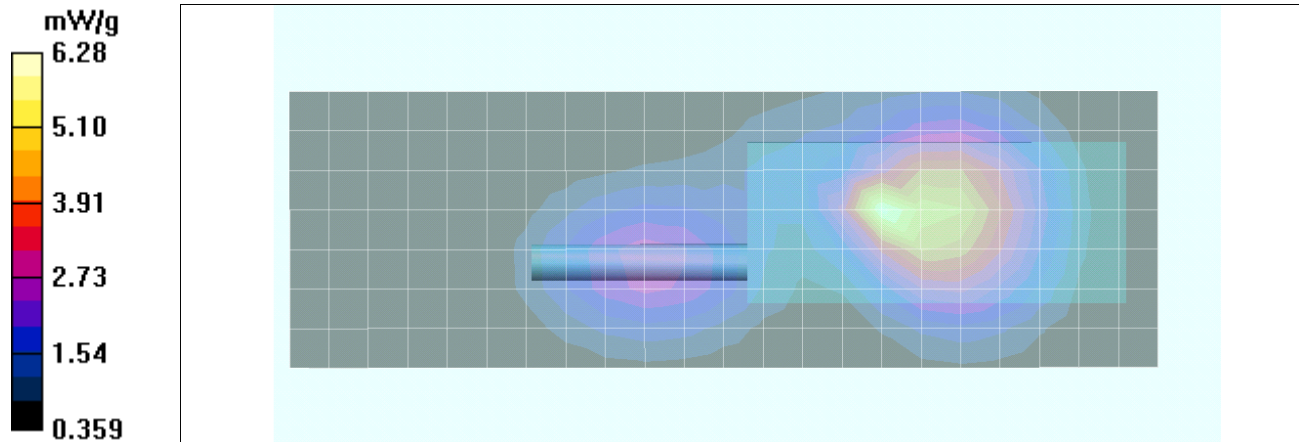
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 39.3 V/m; Power Drift = -0.293 dB

Peak SAR (extrapolated) = 12.9 W/kg

SAR(1 g) = 5.48 mW/g; SAR(10 g) = 3.43 mW/g

Maximum value of SAR (measured) = 6.28 mW/g

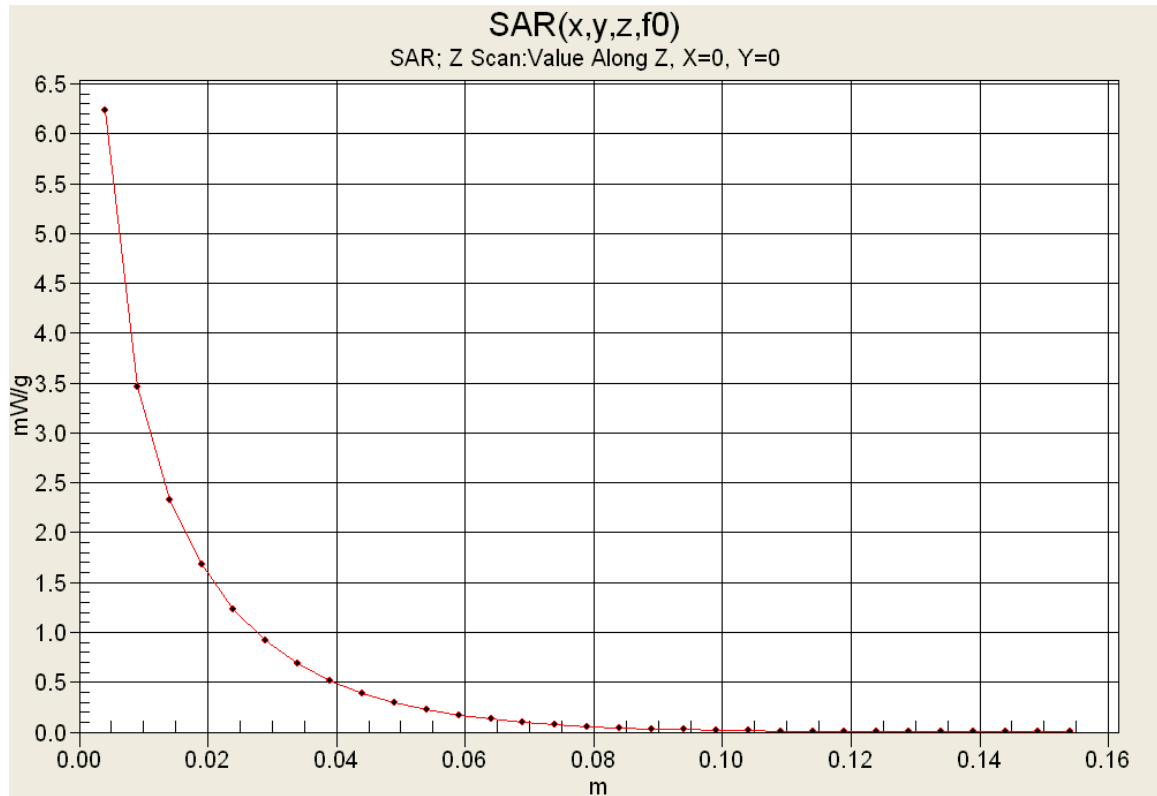


Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver	Models:	P5500 800 System	P5500 800 Scan		
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	<u>Test Report Issue Date</u> October 07, 2011	<u>Description of Test(s)</u> Specific Absorption 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	Models:	P5500 800 System	P5500 800 Scan		
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	<u>Test Report Issue Date</u> October 07, 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 #B10

Date Tested: 08/24/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-003

Ambient Temp: 23C; Fluid Temp: 23.6C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.931 \text{ mho/m}$; $\epsilon_r = 54.2$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))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 (8x23x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 2.13 mW/g

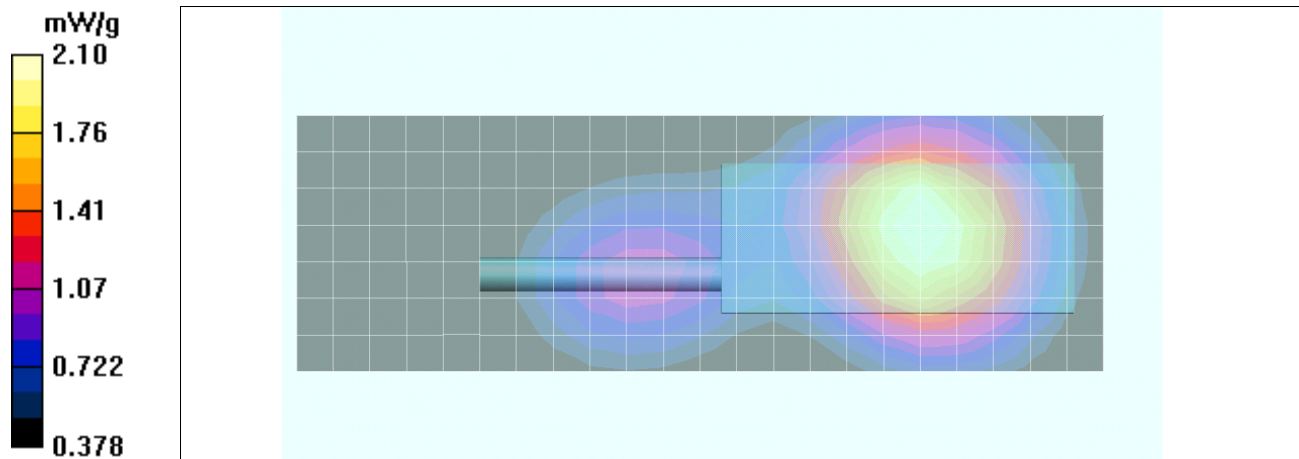
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 30.8 V/m; Power Drift = -0.175 dB

Peak SAR (extrapolated) = 2.52 W/kg

SAR(1 g) = 1.99 mW/g; SAR(10 g) = 1.55 mW/g

Maximum value of SAR (measured) = 2.10 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver	Models:	P5500 800 System	P5500 800 Scan		
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	Test Report Issue Date October 07, 2011	Description of Test(s) Specific Absorption Rate	RF Exposure Category Occupational (Controlled)	

Body SAR Plot #B11

Date Tested: 08/24/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-003

Ambient Temp: 23C; Fluid Temp: 23.6C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.931 \text{ mho/m}$; $\epsilon_r = 54.2$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))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 (8x23x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 1.43 mW/g

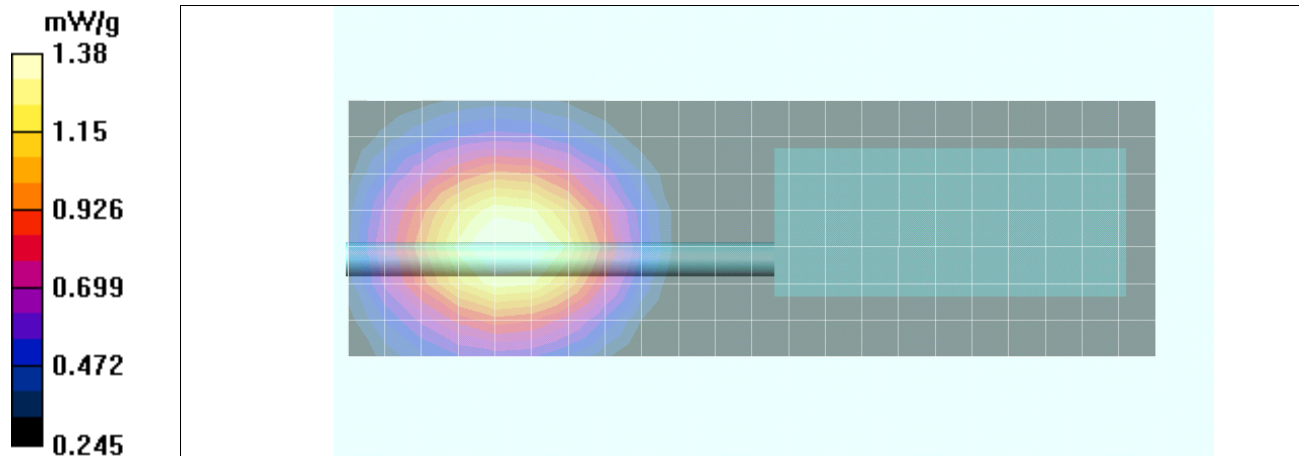
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 9.91 V/m; Power Drift = -0.257 dB

Peak SAR (extrapolated) = 1.59 W/kg

SAR(1 g) = 1.31 mW/g; SAR(10 g) = 0.996 mW/g

Maximum value of SAR (measured) = 1.38 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver	Models:	P5500 800 System	P5500 800 Scan		
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	<u>Test Report Issue Date</u> October 07, 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 #B12

Date Tested: 08/24/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-003

Ambient Temp: 23C; Fluid Temp: 23.6C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.931 \text{ mho/m}$; $\epsilon_r = 54.2$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))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 (8x23x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 2.51 mW/g

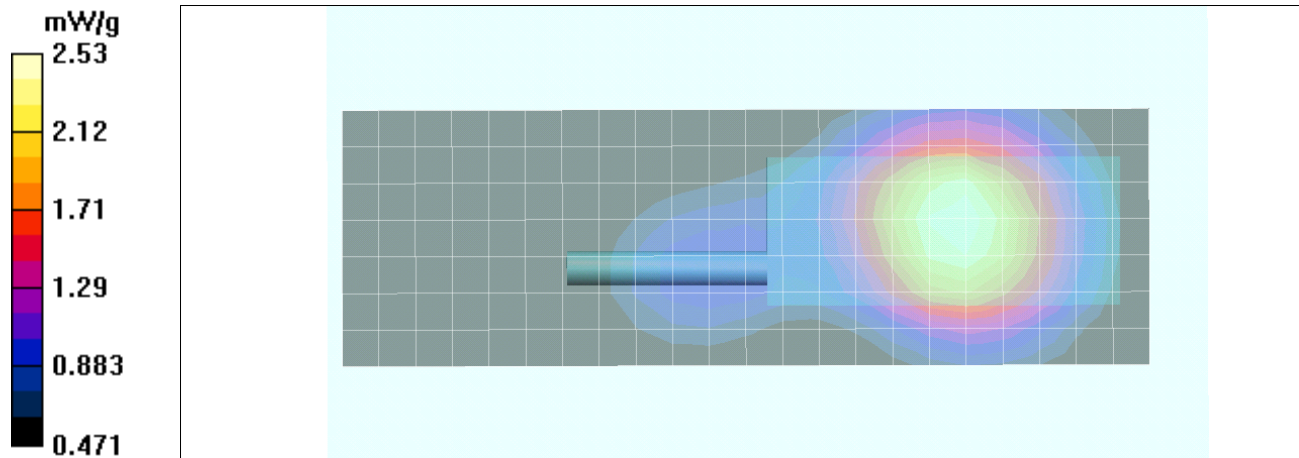
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 32.3 V/m; Power Drift = 0.034 dB

Peak SAR (extrapolated) = 3.07 W/kg

SAR(1 g) = 2.41 mW/g; SAR(10 g) = 1.86 mW/g

Maximum value of SAR (measured) = 2.53 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver	Models:	P5500 800 System	P5500 800 Scan		
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	<u>Date(s) of Evaluation</u> Jul. 05-11, Aug. 24, 2011	<u>Test Report Serial No.</u> 070411OWD-T1108S-C2PC	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> October 07, 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 #B13

Date Tested: 08/24/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-003

Ambient Temp: 23C; Fluid Temp: 23.6C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.931 \text{ mho/m}$; $\epsilon_r = 54.2$; $\rho = 1000 \text{ kg/m}^3$

- 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 (8x23x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 1.40 mW/g

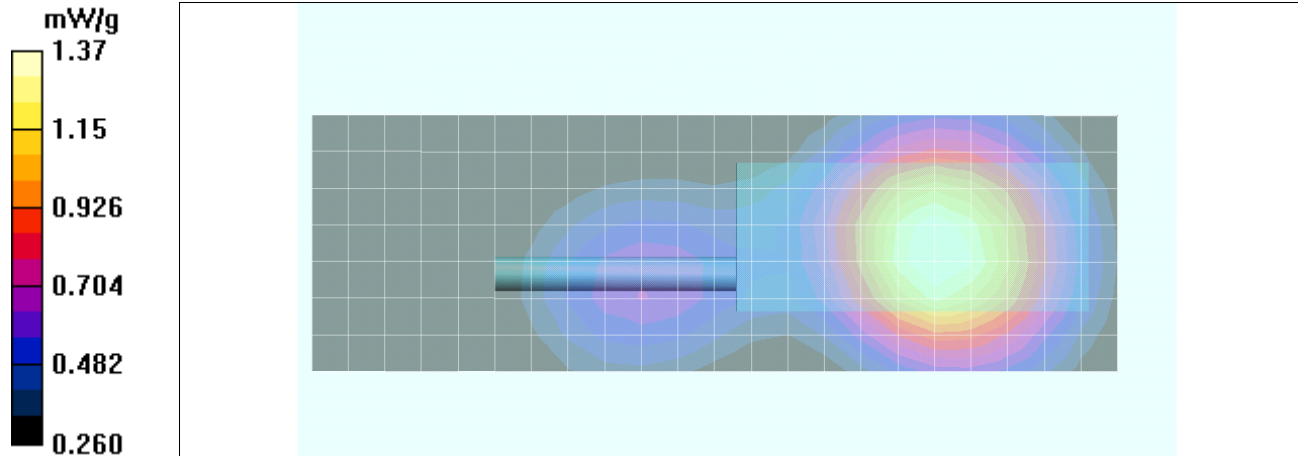
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 24.0 V/m; Power Drift = -0.385 dB

Peak SAR (extrapolated) = 1.57 W/kg

SAR(1 g) = 1.3 mW/g; SAR(10 g) = 0.995 mW/g

Maximum value of SAR (measured) = 1.37 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver	Models:	P5500 800 System	P5500 800 Scan		
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	<u>Test Report Issue Date</u> October 07, 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 #B14

Date Tested: 08/24/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-003

Ambient Temp: 23C; Fluid Temp: 23.6C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.931 \text{ mho/m}$; $\epsilon_r = 54.2$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))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 (8x23x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

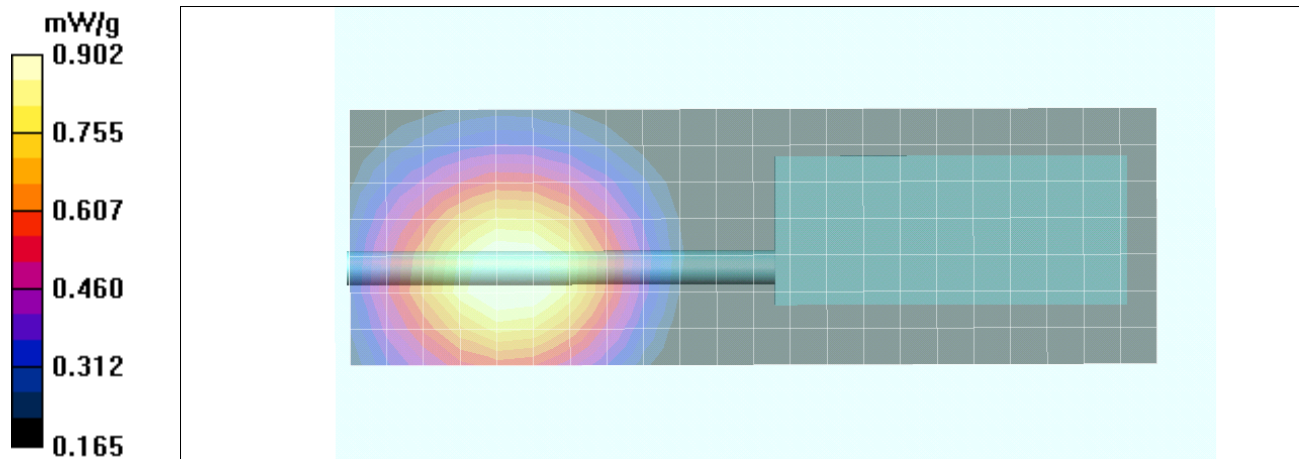
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 8.15 V/m; Power Drift = -0.349 dB

Peak SAR (extrapolated) = 1.04 W/kg

SAR(1 g) = 0.852 mW/g; SAR(10 g) = 0.649 mW/g

Maximum value of SAR (measured) = 0.902 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver	Models:	P5500 800 System	P5500 800 Scan		
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	Date(s) of Evaluation Jul. 05-11, Aug. 24, 2011	Test Report Serial No. 070411OWD-T1108S-C2PC	Test Report Revision No. Rev. 1.0 (1st Release)	
	Test Report Issue Date October 07, 2011	Description of Test(s) Specific Absorption Rate	RF Exposure Category Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot #B15

Date Tested: 08/24/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-003

Ambient Temp: 23C; Fluid Temp: 23.6C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.931 \text{ mho/m}$; $\epsilon_r = 54.2$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas 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 (8x23x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

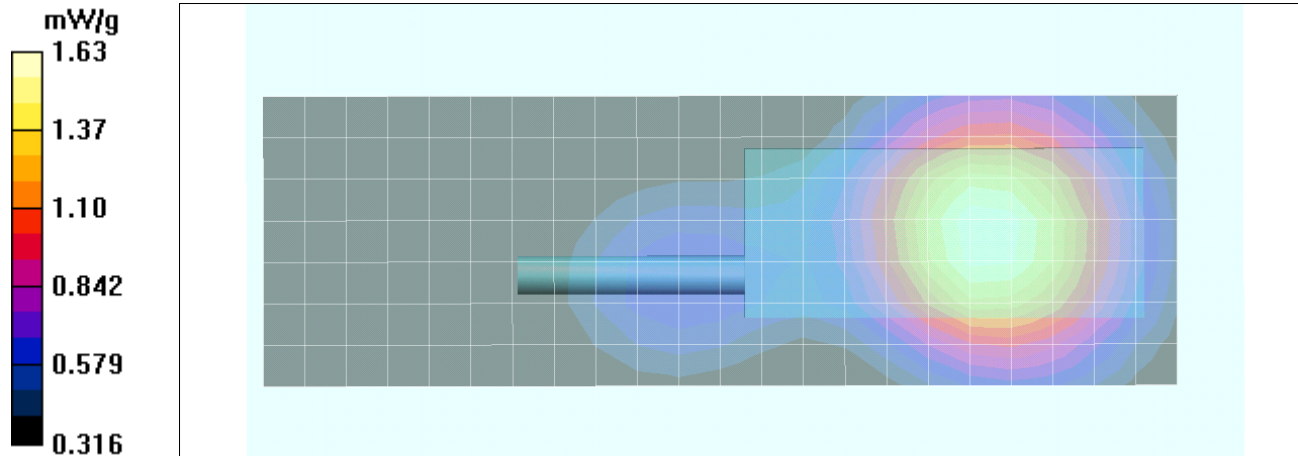
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 26.2 V/m; Power Drift = -0.297 dB

Peak SAR (extrapolated) = 1.87 W/kg

SAR(1 g) = 1.55 mW/g; SAR(10 g) = 1.19 mW/g

Maximum value of SAR (measured) = 1.63 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver	Models:	P5500 800 System	P5500 800 Scan		
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	<u>Test Report Issue Date</u> October 07, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot #B16

Date Tested: 08/24/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-003

Ambient Temp: 23C; Fluid Temp: 23.6C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 869 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 869 \text{ MHz}$; $\sigma = 0.99 \text{ mho/m}$; $\epsilon_r = 54$; $\rho = 1000 \text{ kg/m}^3$

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

Body-worn SAR - 4.4 cm Nylon Case & Leather Belt Loop Spacing from Back of DUT to Planar Phantom

Area Scan (8x23x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 1.67 mW/g

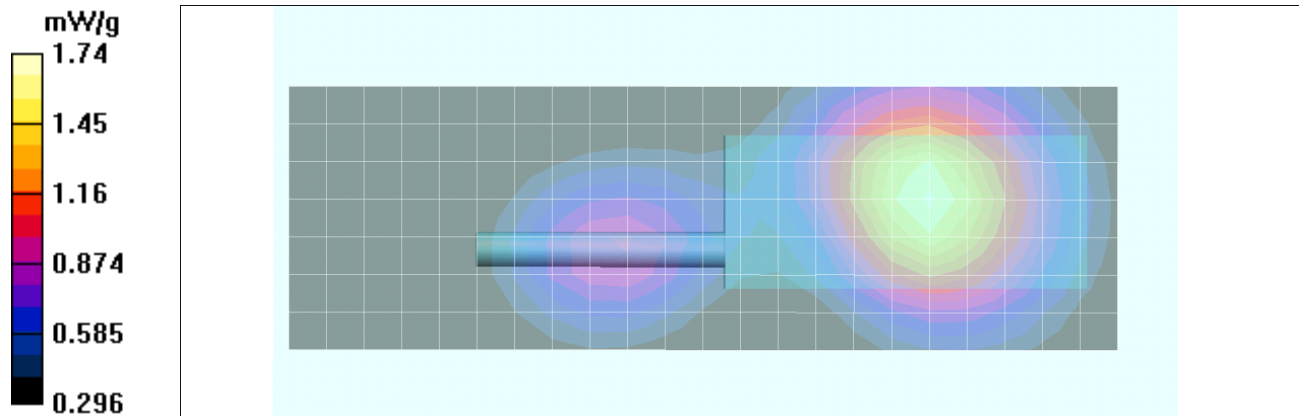
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 24.3 V/m; Power Drift = -0.377 dB

Peak SAR (extrapolated) = 1.99 W/kg

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

Maximum value of SAR (measured) = 1.74 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver	Models:	P5500 800 System	P5500 800 Scan		
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	<u>Test Report Issue Date</u> October 07, 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 #B17

Date Tested: 08/24/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-003

Ambient Temp: 23C; Fluid Temp: 23.6C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.931 \text{ mho/m}$; $\epsilon_r = 54.2$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))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 - 4.4 cm Nylon Case & Leather Belt Loop Spacing from Back of DUT to Planar Phantom

Area Scan (8x23x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 1.24 mW/g

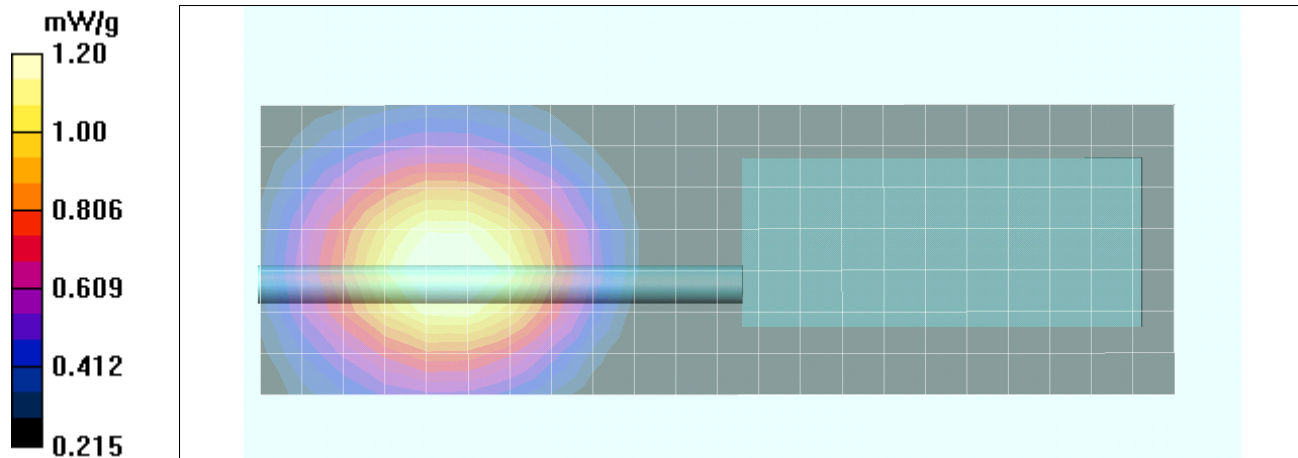
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 10.3 V/m; Power Drift = -0.186 dB

Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.863 mW/g

Maximum value of SAR (measured) = 1.20 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver	Models:	P5500 800 System	P5500 800 Scan		
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	<u>Test Report Issue Date</u> October 07, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot #B18

Date Tested: 08/24/2011

DUT: Harris P5500 (800); Type: Portable 800-Band PTT Radio Transceiver; Serial: Re-8T-003

Ambient Temp: 23C; Fluid Temp: 23.6C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 869 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 869 \text{ MHz}$; $\sigma = 0.99 \text{ mho/m}$; $\epsilon_r = 54$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))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 - 4.4 cm Nylon Case & Leather Belt Loop Spacing from Back of DUT to Planar Phantom

Area Scan (8x23x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

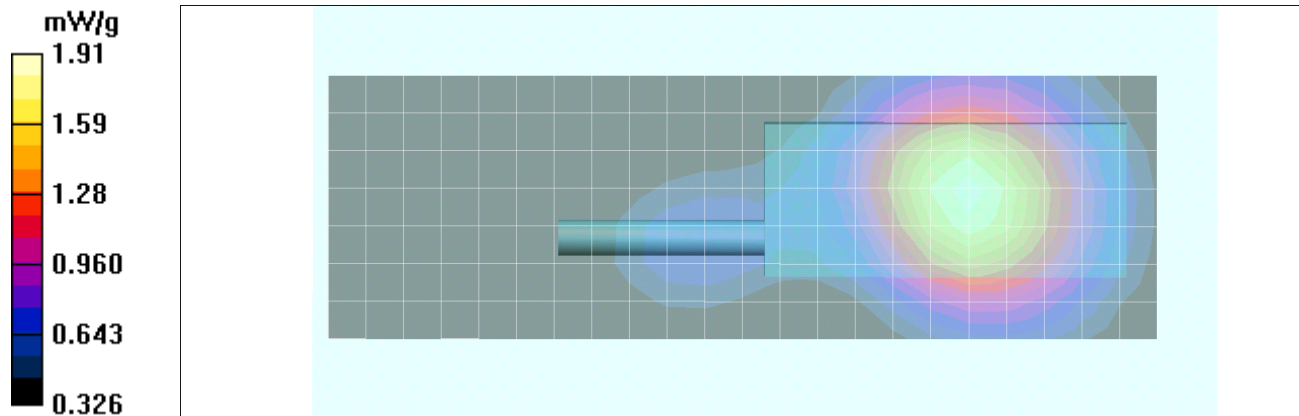
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 25.0 V/m; Power Drift = -0.151 dB

Peak SAR (extrapolated) = 2.26 W/kg

SAR(1 g) = 1.82 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	Models:	P5500 800 System	P5500 800 Scan		
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