

	<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)	

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	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)	
Test Lab Certificate No. 2470.01				

Face SAR Plot #1 (F1)

Date Tested: 07/05/2011

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

Ambient Temp: 24.0°C; Fluid Temp: 23.2°C; Barometric Pressure: 101.1 kPa; Humidity: 29%

Communication System: CW

Frequency: 823.9875 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)
- 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) = 4.08 mW/g

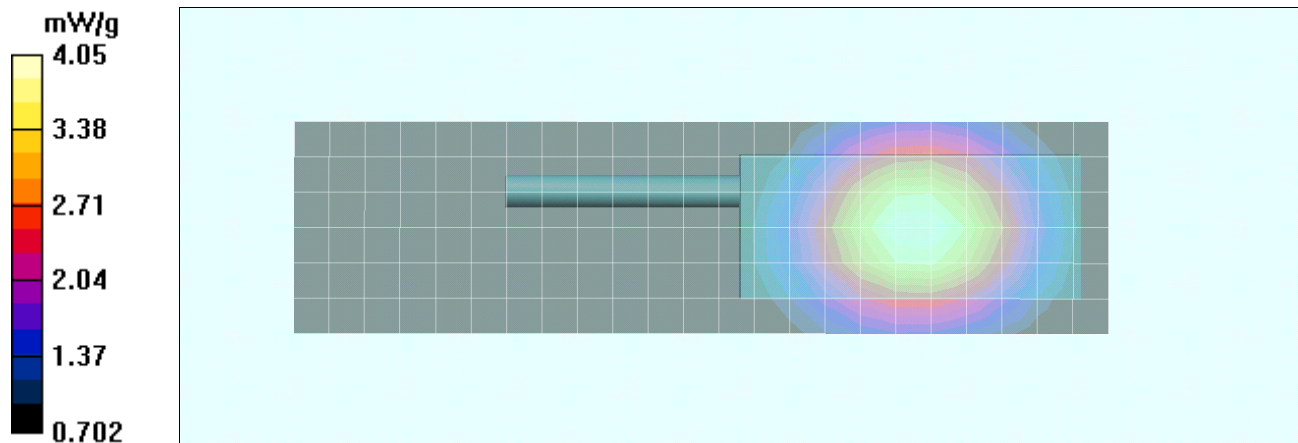
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 32.2 V/m; Power Drift = -0.134 dB

Peak SAR (extrapolated) = 4.65 W/kg

SAR(1 g) = 3.82 mW/g; SAR(10 g) = 2.86 mW/g

Maximum value of SAR (measured) = 4.05 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)	

Test Lab Certificate No. 2470.01

Face SAR Plot #2 (F2)

Date Tested: 07/05/2011

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

Ambient Temp: 24.0°C; Fluid Temp: 23.2°C; Barometric Pressure: 101.1 kPa; Humidity: 29%

Communication System: CW

Frequency: 868.9875 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)
- 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) = 3.67 mW/g

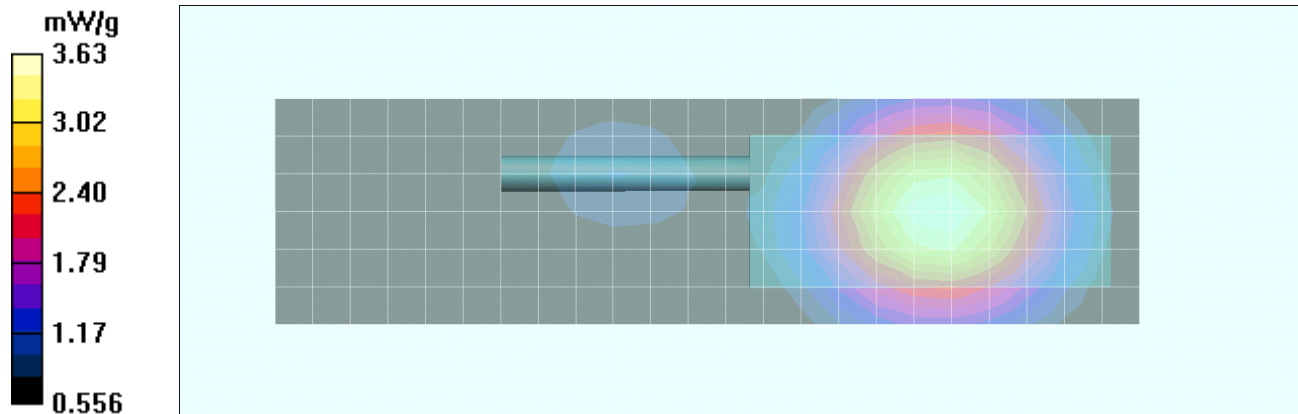
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 29.8 V/m; Power Drift = 0.062 dB

Peak SAR (extrapolated) = 4.29 W/kg

SAR(1 g) = 3.43 mW/g; SAR(10 g) = 2.54 mW/g

Maximum value of SAR (measured) = 3.63 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)	
Test Lab Certificate No. 2470.01				

Face SAR Plot #3 (F3)

Date Tested: 07/05/2011

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

Ambient Temp: 24.0°C; Fluid Temp: 23.2°C; Barometric Pressure: 101.1 kPa; Humidity: 29%

Communication System: CW

Frequency: 823.9875 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)
- 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) = 1.66 mW/g

Face - P5500 System - 824MHz - NiMH NIS - 506/1

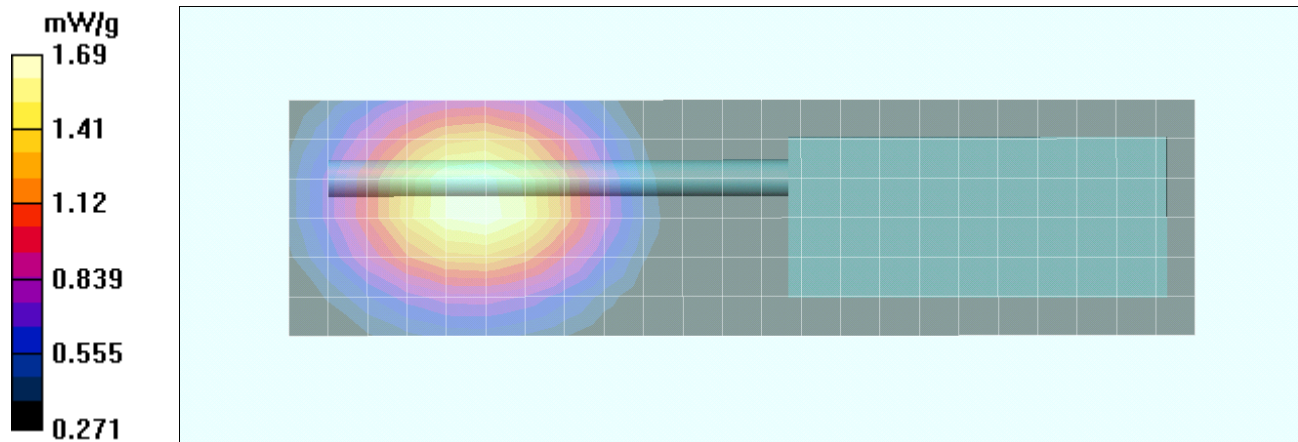
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 7.90 V/m; Power Drift = -0.189 dB

Peak SAR (extrapolated) = 1.99 W/kg

SAR(1 g) = 1.60 mW/g; SAR(10 g) = 1.19 mW/g

Maximum value of SAR (measured) = 1.69 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)	

Test Lab Certificate No. 2470.01

Face SAR Plot #4 (F4)

Date Tested: 07/05/2011

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

Ambient Temp: 24.0°C; Fluid Temp: 23.2°C; Barometric Pressure: 101.1 kPa; Humidity: 29%

Communication System: CW

Frequency: 868.9875 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)
- 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) = 0.901 mW/g

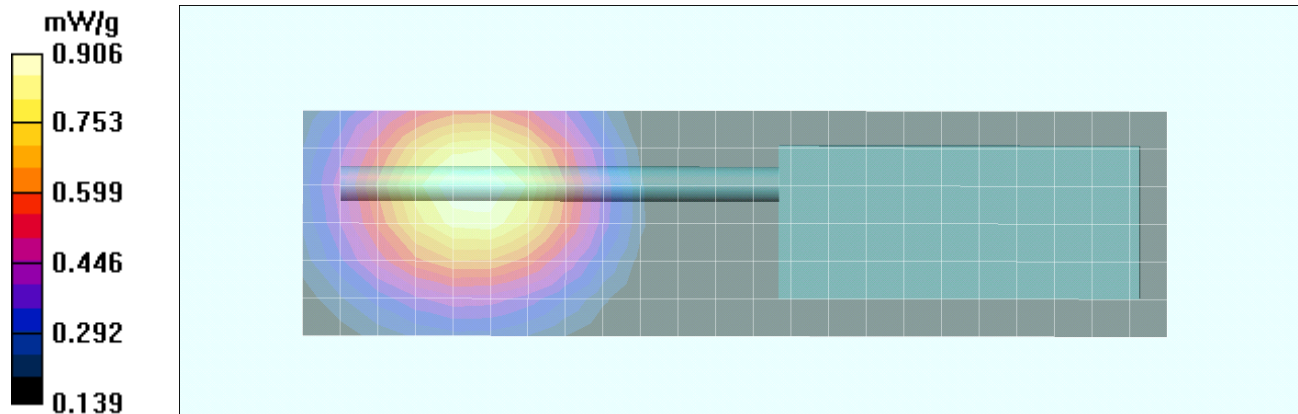
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 6.77 V/m; Power Drift = 0.035 dB

Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.856 mW/g; SAR(10 g) = 0.635 mW/g

Maximum value of SAR (measured) = 0.906 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)	
Test Lab Certificate No. 2470.01				

Face SAR Plot #5 (F5)

Date Tested: 07/05/2011

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

Ambient Temp: 24.0°C; Fluid Temp: 23.2°C; Barometric Pressure: 101.1 kPa; Humidity: 29%

Communication System: CW

Frequency: 823.9875 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)
- 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) = 5.18 mW/g

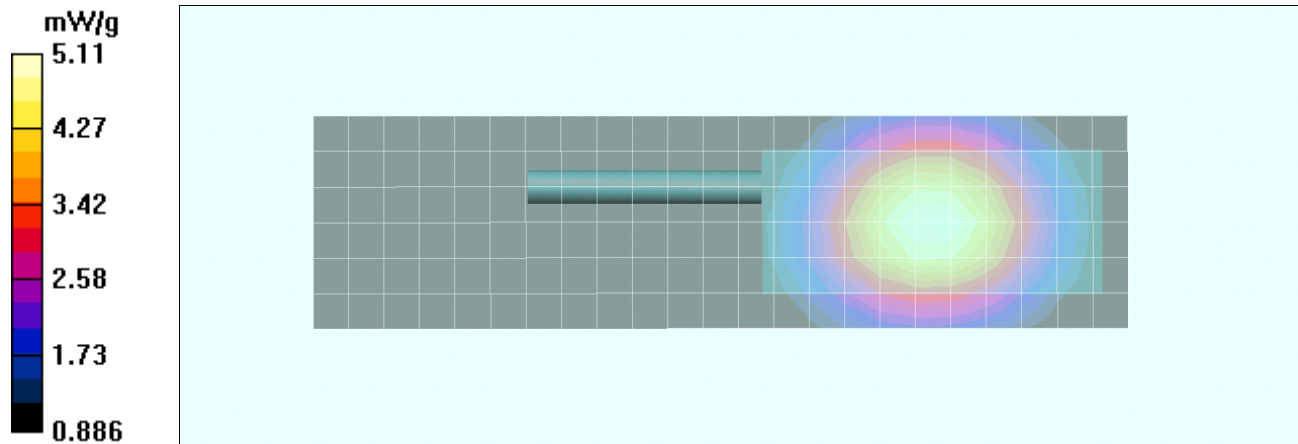
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 36.3 V/m; Power Drift = -0.033 dB

Peak SAR (extrapolated) = 5.96 W/kg

SAR(1 g) = 4.84 mW/g; SAR(10 g) = 3.64 mW/g

Maximum value of SAR (measured) = 5.11 mW/g

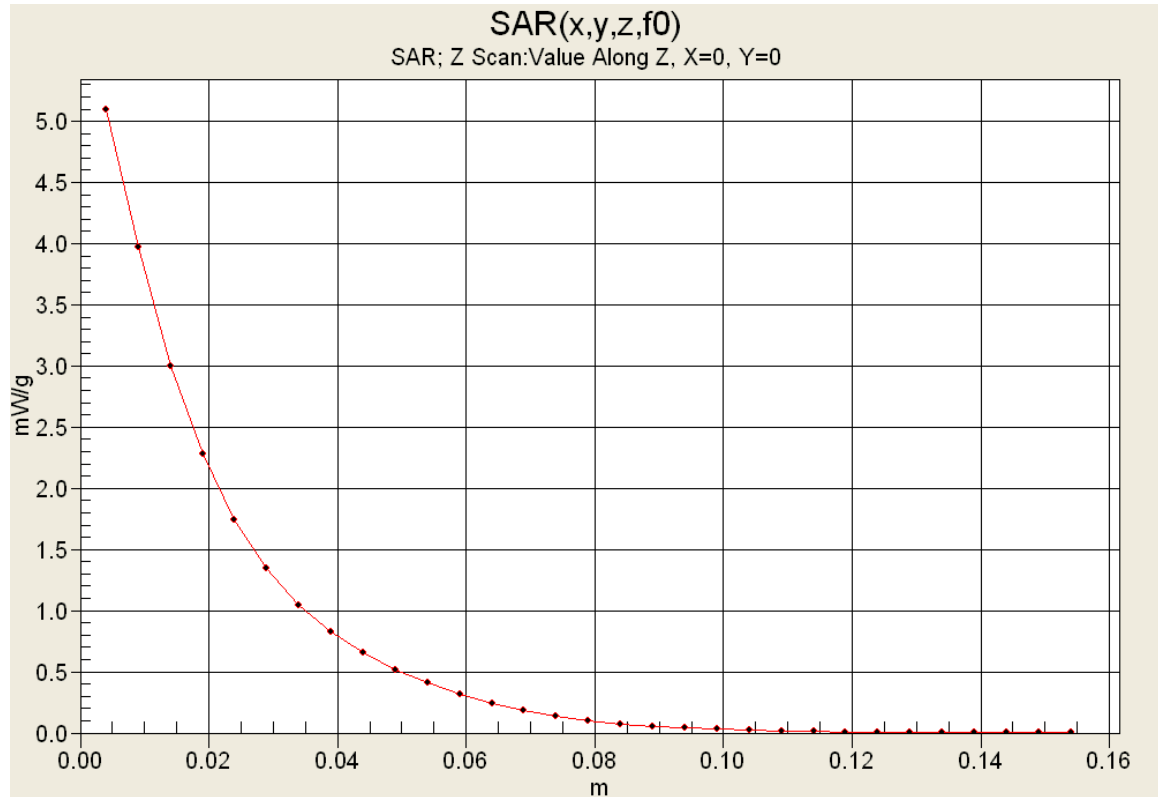


Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver	Model:	P5500 (800)	806-824 / 851-869 MHz		
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	<u>Date(s) of Evaluation</u> July 05-08, 11-12, 2011	<u>Test Report Serial No.</u> 070411OWD-T1108-S90P	<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)	

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)	

Face SAR Plot #6 (F6)

Date Tested: 07/05/2011

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

Ambient Temp: 24.0°C; Fluid Temp: 23.2°C; Barometric Pressure: 101.1 kPa; Humidity: 29%

Communication System: CW

Frequency: 868.9875 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)
- 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) = 3.90 mW/g

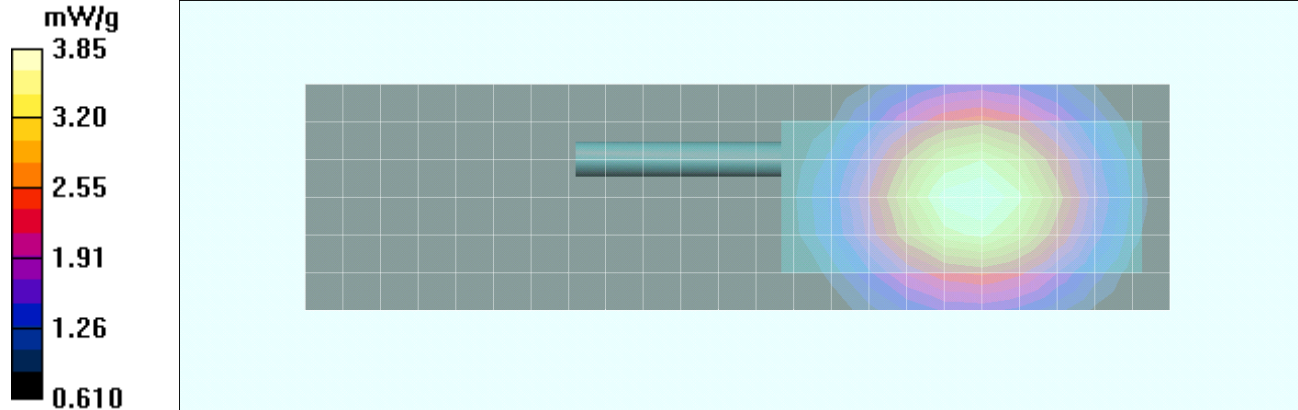
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 29.0 V/m; Power Drift = 0.030 dB

Peak SAR (extrapolated) = 4.55 W/kg

SAR(1 g) = 3.65 mW/g; SAR(10 g) = 2.71 mW/g

Maximum value of SAR (measured) = 3.85 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)	

Test Lab Certificate No. 2470.01

Face SAR Plot #7 (F7)

Date Tested: 07/05/2011

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

Ambient Temp: 24.0°C; Fluid Temp: 23.2°C; Barometric Pressure: 101.1 kPa; Humidity: 29%

Communication System: CW

Frequency: 823.9875 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)
- 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) = 5.11 mW/g

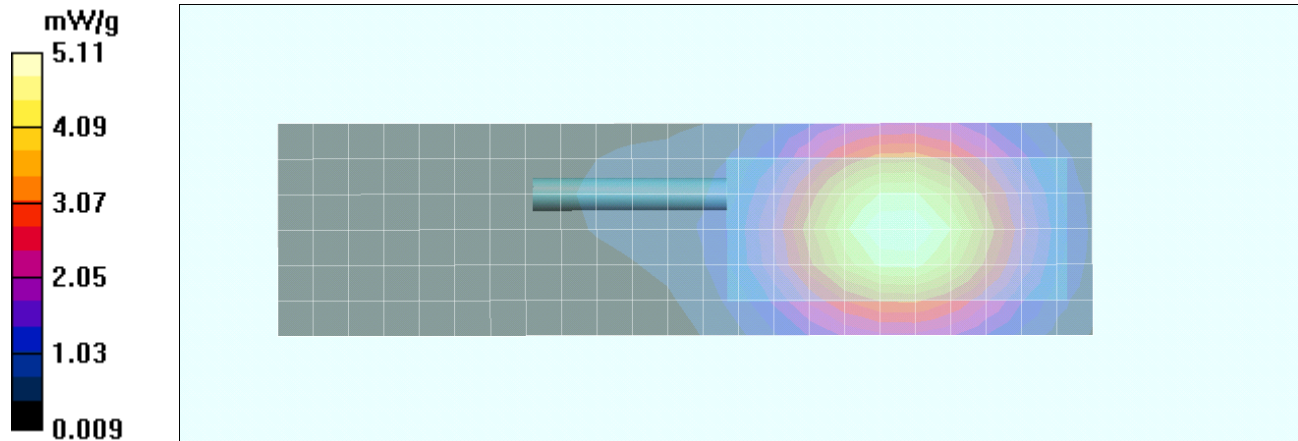
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 35.7 V/m; Power Drift = -0.037 dB

Peak SAR (extrapolated) = 5.85 W/kg

SAR(1 g) = 4.83 mW/g; SAR(10 g) = 3.63 mW/g

Maximum value of SAR (measured) = 5.11 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)	

Face SAR Plot #8 (F8)

Date Tested: 07/05/2011

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

Ambient Temp: 24.0°C; Fluid Temp: 23.2°C; Barometric Pressure: 101.1 kPa; Humidity: 29%

Communication System: CW

Frequency: 823.9875 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)
- 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) = 5.09 mW/g

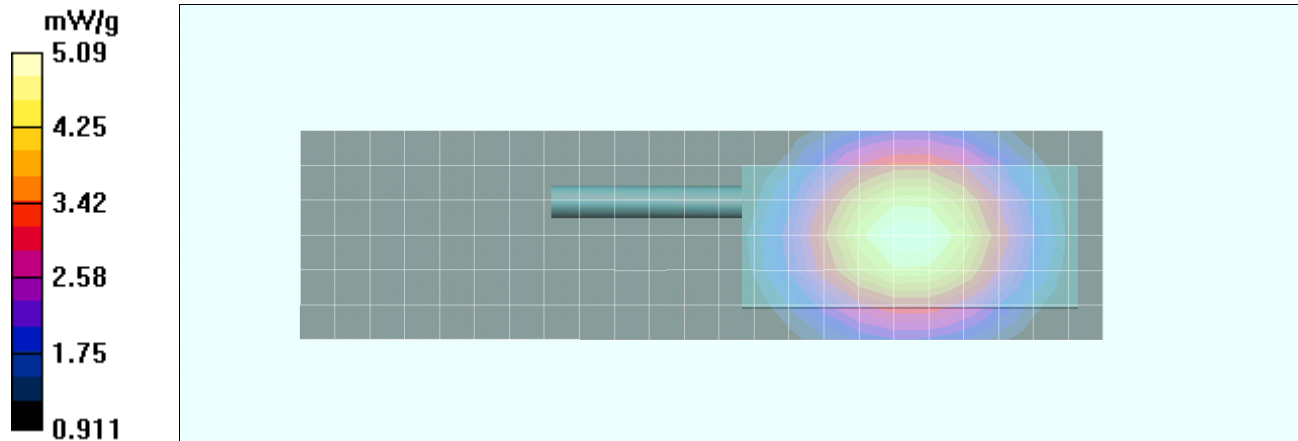
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 36.7 V/m; Power Drift = -0.005 dB

Peak SAR (extrapolated) = 5.97 W/kg

SAR(1 g) = 4.82 mW/g; SAR(10 g) = 3.61 mW/g

Maximum value of SAR (measured) = 5.09 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)	

Face SAR Plot #9 (F9)

Date Tested: 07/05/2011

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

Ambient Temp: 24.0°C; Fluid Temp: 23.2°C; Barometric Pressure: 101.1 kPa; Humidity: 29%

Communication System: CW

Frequency: 868.9875 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)
- 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) = 4.15 mW/g

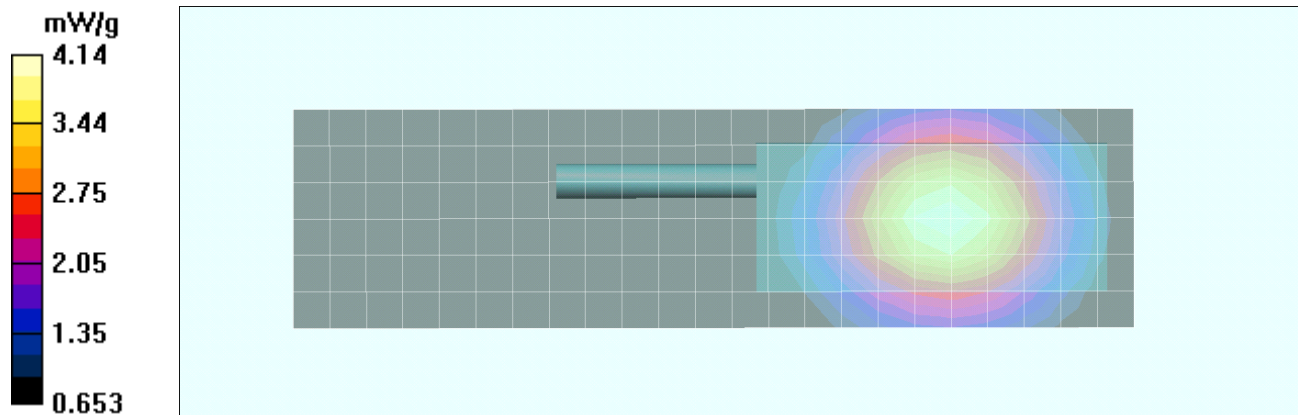
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 28.6 V/m; Power Drift = 0.038 dB

Peak SAR (extrapolated) = 4.84 W/kg

SAR(1 g) = 3.91 mW/g; SAR(10 g) = 2.9 mW/g

Maximum value of SAR (measured) = 4.14 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)	

Face SAR Plot #10 (F10)

Date Tested: 07/05/2011

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

Ambient Temp: 24.0°C; Fluid Temp: 23.2°C; Barometric Pressure: 101.1 kPa; Humidity: 29%

Communication System: CW

Frequency: 868.9875 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)
- 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) = 4.03 mW/g

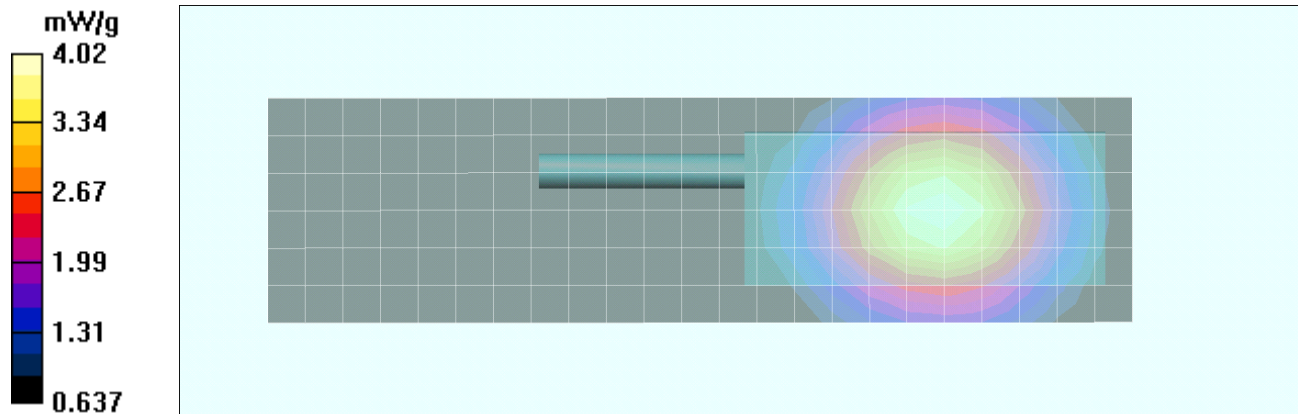
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 29.4 V/m; Power Drift = 0.012 dB

Peak SAR (extrapolated) = 4.70 W/kg

SAR(1 g) = 3.80 mW/g; SAR(10 g) = 2.82 mW/g

Maximum value of SAR (measured) = 4.02 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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	Date(s) of Evaluation July 05-08, 11-12, 2011	Test Report Serial No. 070411OWD-T1108-S90P	Test Report Revision No. Rev. 1.2 (3rd Release)	
	Test Report Issue Date October 05, 2011	Description of Test(s) Specific Absorption Rate	RF Exposure Category Occupational (Controlled)	

Face SAR Plot #11 (F11) - Speaker-Microphone with Antenna

Date Tested: 07/05/2011

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

Ambient Temp: 24.0°C; Fluid Temp: 23.2°C; Barometric Pressure: 101.1 kPa; Humidity: 29%

Communication System: CW

Frequency: 823.9875 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)
- 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 (7x18x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

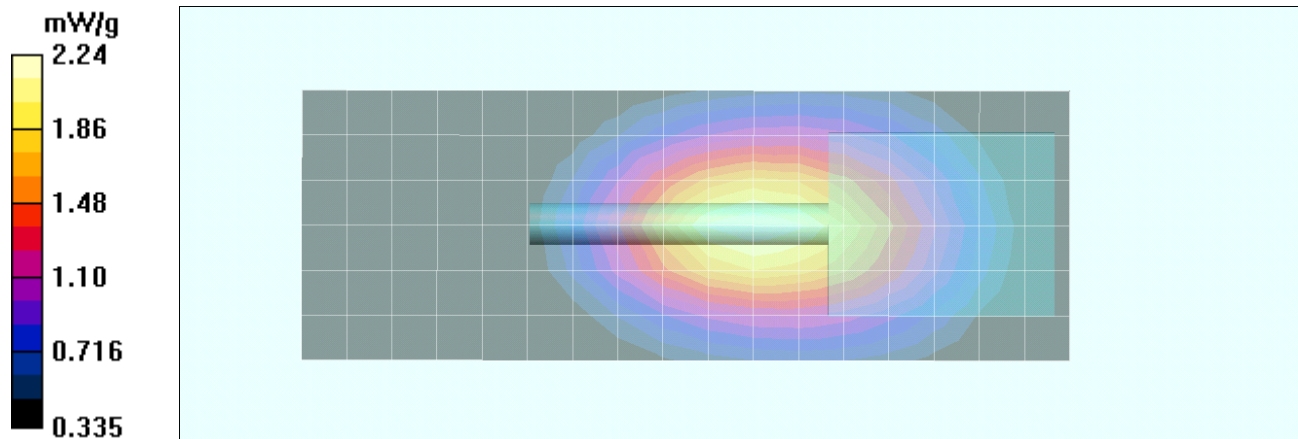
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 49.2 V/m; Power Drift = -0.058 dB

Peak SAR (extrapolated) = 2.67 W/kg

SAR(1 g) = 2.12 mW/g; SAR(10 g) = 1.54 mW/g

Maximum value of SAR (measured) = 2.24 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)	

Face SAR Plot #12 (F12) - Speaker-Microphone with Antenna

Date Tested: 07/05/2011

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

Ambient Temp: 24.0°C; Fluid Temp: 23.2°C; Barometric Pressure: 101.1 kPa; Humidity: 29%

Communication System: CW

Frequency: 868.9875 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)
- 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 (7x18x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.933 mW/g

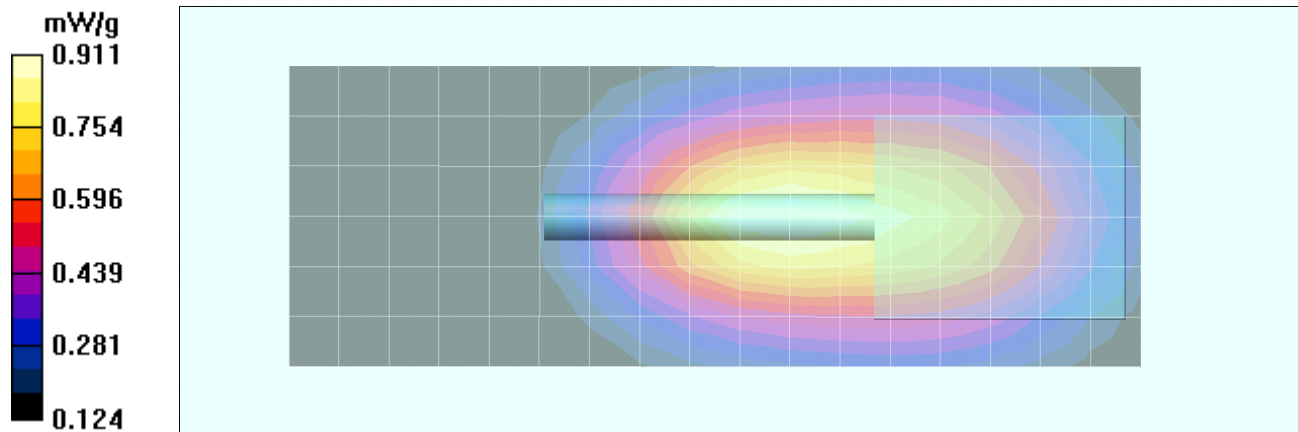
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 32.0 V/m; Power Drift = -0.199 dB

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.863 mW/g; SAR(10 g) = 0.621 mW/g

Maximum value of SAR (measured) = 0.911 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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	Date(s) of Evaluation July 05-08, 11-12, 2011	Test Report Serial No. 070411OWD-T1108-S90P	Test Report Revision No. Rev. 1.2 (3rd Release)	
	Test Report Issue Date October 05, 2011	Description of Test(s) Specific Absorption Rate	RF Exposure Category Occupational (Controlled)	

Face SAR Plot #13 (F13) - Speaker-Microphone with Antenna

Date Tested: 07/05/2011

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

Ambient Temp: 24.0°C; Fluid Temp: 23.2°C; Barometric Pressure: 101.1 kPa; Humidity: 29%

Communication System: CW

Frequency: 823.9875 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)
- 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 (7x18x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 1.80 mW/g

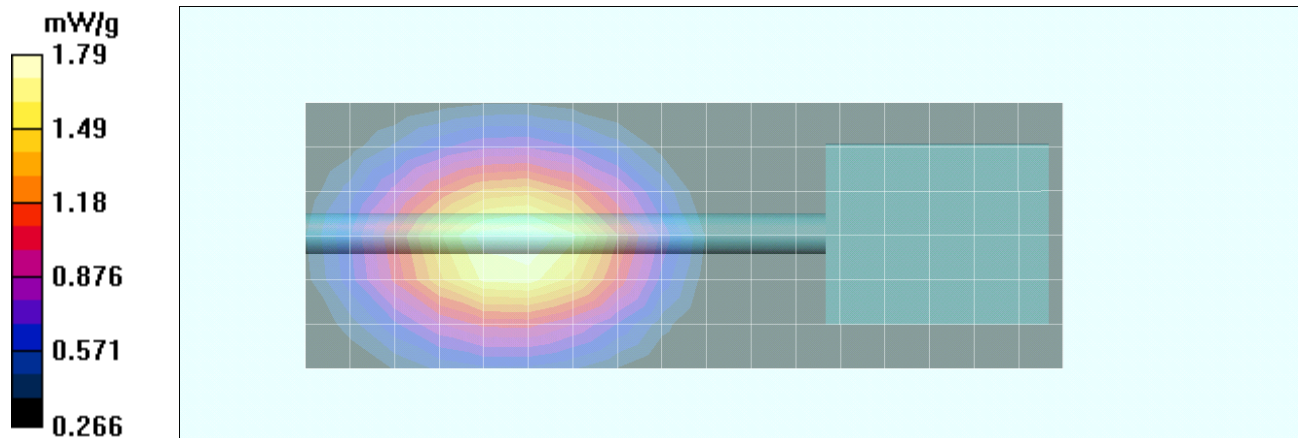
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 6.40 V/m; Power Drift = -0.103 dB

Peak SAR (extrapolated) = 2.13 W/kg

SAR(1 g) = 1.69 mW/g; SAR(10 g) = 1.24 mW/g

Maximum value of SAR (measured) = 1.79 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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	Date(s) of Evaluation July 05-08, 11-12, 2011	Test Report Serial No. 070411OWD-T1108-S90P	Test Report Revision No. Rev. 1.2 (3rd Release)	
	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

Face SAR Plot #14 (F14) - Speaker-Microphone with Antenna

Date Tested: 07/05/2011

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

Ambient Temp: 24.0°C; Fluid Temp: 23.2°C; Barometric Pressure: 101.1 kPa; Humidity: 29%

Communication System: CW

Frequency: 868.9875 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)
- 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 (7x18x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.992 mW/g

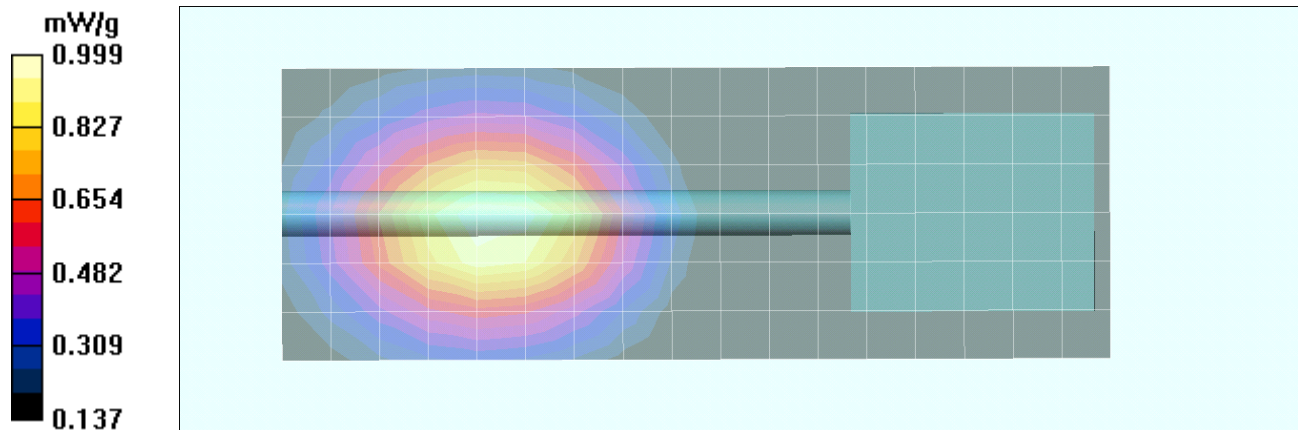
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 7.08 V/m; Power Drift = -0.205 dB

Peak SAR (extrapolated) = 1.20 W/kg

SAR(1 g) = 0.944 mW/g; SAR(10 g) = 0.684 mW/g

Maximum value of SAR (measured) = 0.999 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)	

Test Lab Certificate No. 2470.01

Face SAR Plot #15 (F15) - Speaker-Microphone with Antenna

Date Tested: 07/05/2011

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

Ambient Temp: 24.0°C; Fluid Temp: 23.2°C; Barometric Pressure: 101.1 kPa; Humidity: 29%

Communication System: CW

Frequency: 823.9875 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)
- 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 (7x18x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 2.26 mW/g

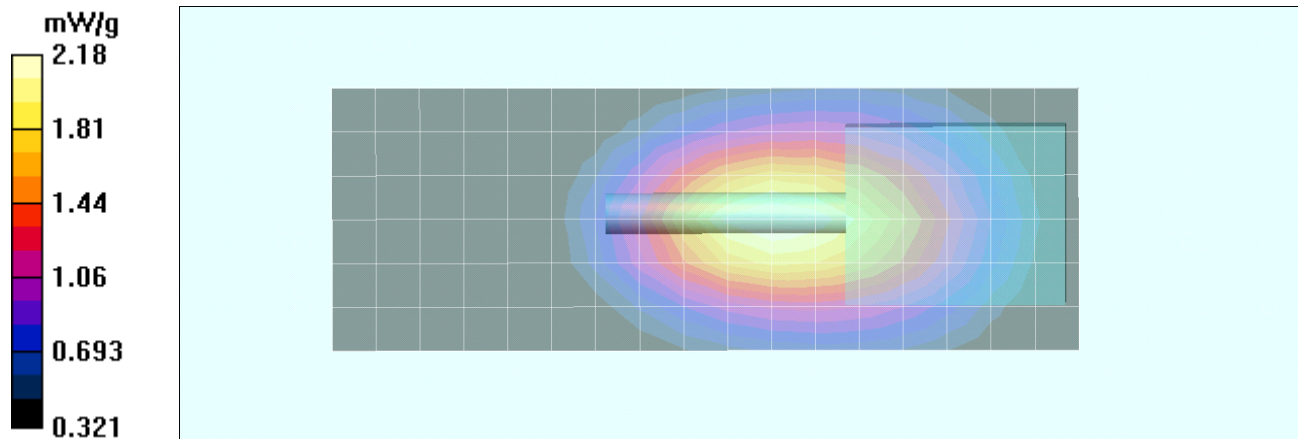
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 49.7 V/m; Power Drift = -0.180 dB

Peak SAR (extrapolated) = 2.60 W/kg

SAR(1 g) = 2.06 mW/g; SAR(10 g) = 1.51 mW/g

Maximum value of SAR (measured) = 2.18 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)	

Face SAR Plot #16 (F16) - Speaker-Microphone with Antenna

Date Tested: 07/05/2011

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

Ambient Temp: 24.0°C; Fluid Temp: 23.2°C; Barometric Pressure: 101.1 kPa; Humidity: 29%

Communication System: CW

Frequency: 868.9875 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)
- 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 (7x18x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 1.51 mW/g

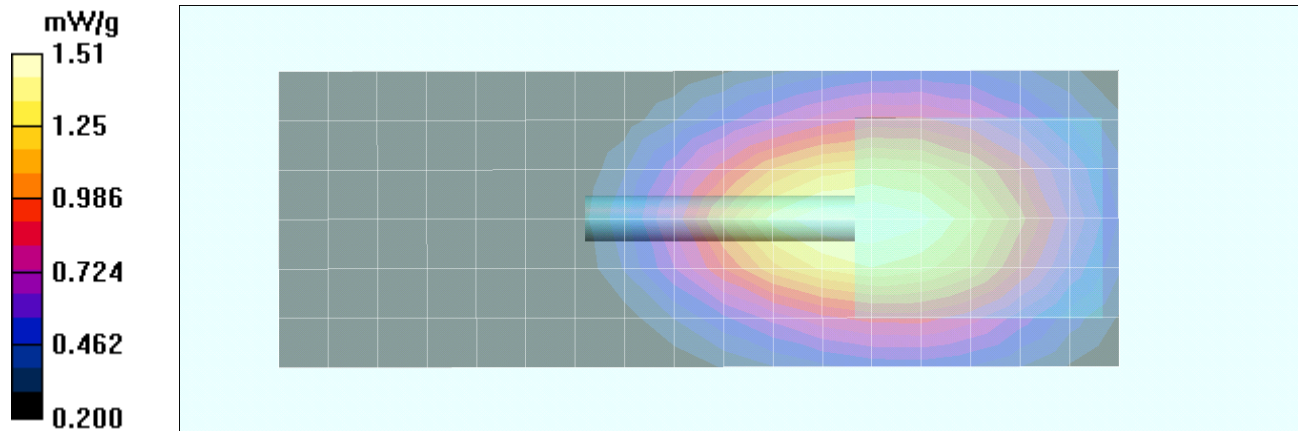
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 42.7 V/m; Power Drift = -0.146 dB

Peak SAR (extrapolated) = 1.80 W/kg

SAR(1 g) = 1.42 mW/g; SAR(10 g) = 1.04 mW/g

Maximum value of SAR (measured) = 1.51 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 #1 (B1) - Speaker-Microphone with Antenna

Date Tested: 07/11/2011

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

Ambient Temp: 23.0°C; Fluid Temp: 21.5°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 823.9875 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.968 \text{ mho/m}$; $\epsilon_r = 54.4$; $\rho = 1000 \text{ kg/m}^3$

- 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 - 1.1 cm Lapel-Clip Spacing from Back of DUT to Planar Phantom

Area Scan (7x18x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 2.46 mW/g

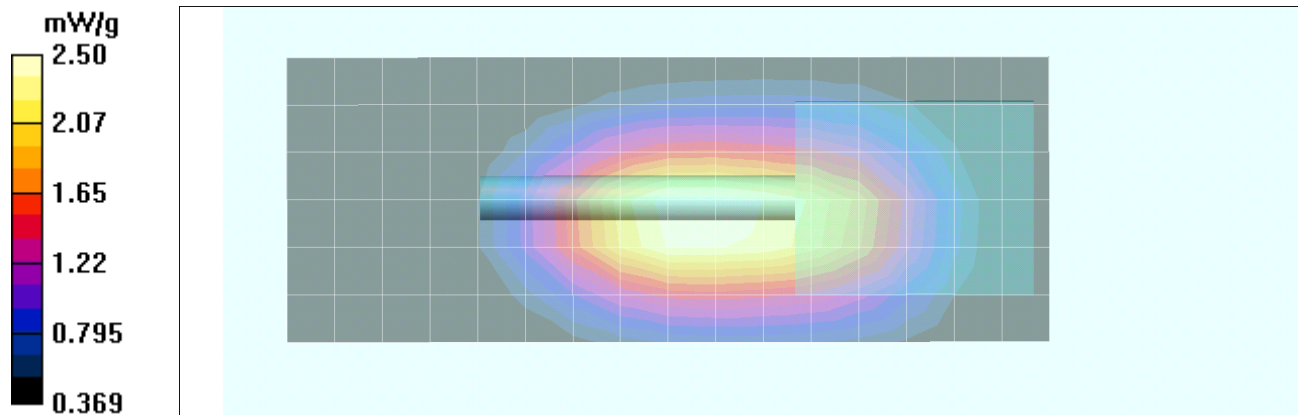
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 50.6 V/m; Power Drift = -0.327 dB

Peak SAR (extrapolated) = 2.97 W/kg

SAR(1 g) = 2.35 mW/g; SAR(10 g) = 1.72 mW/g

Maximum value of SAR (measured) = 2.50 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 #2 (B2) - Speaker-Microphone with Antenna

Date Tested: 07/11/2011

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

Ambient Temp: 23.0°C; Fluid Temp: 21.5°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 868.9875 MHz; Duty Cycle: 1:1

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

- 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 - 1.1 cm Lapel-Clip Spacing from Back of DUT to Planar Phantom

Area Scan (7x18x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

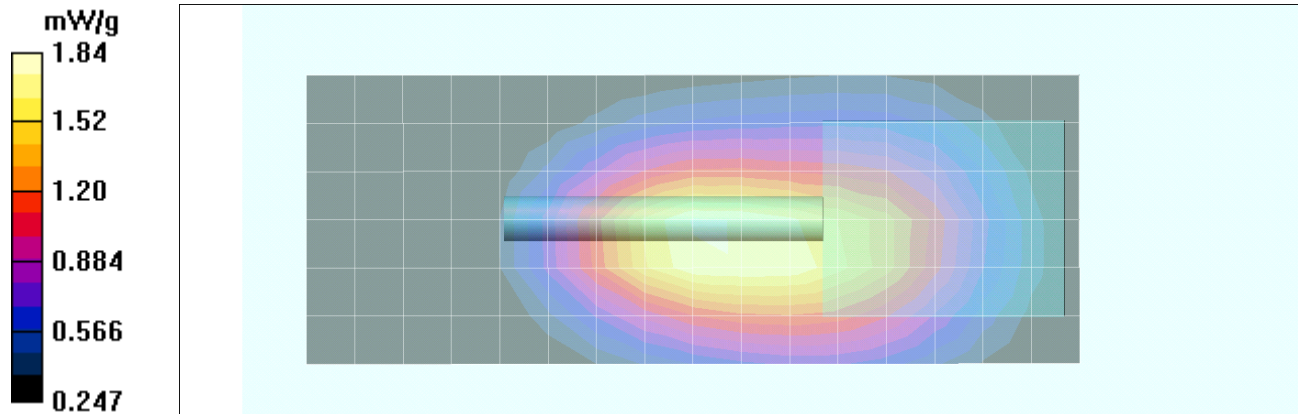
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 41.4 V/m; Power Drift = -0.134 dB

Peak SAR (extrapolated) = 2.22 W/kg

SAR(1 g) = 1.73 mW/g; SAR(10 g) = 1.24 mW/g

Maximum value of SAR (measured) = 1.84 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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	Date(s) of Evaluation July 05-08, 11-12, 2011	Test Report Serial No. 070411OWD-T1108-S90P	Test Report Revision No. Rev. 1.2 (3rd Release)	
	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

Body SAR Plot #3 (B3) - Speaker-Microphone with Antenna

Date Tested: 07/11/2011

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

Ambient Temp: 23.0°C; Fluid Temp: 21.5°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 823.9875 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824$ MHz; $\sigma = 0.968$ mho/m; $\epsilon_r = 54.4$; $\rho = 1000$ 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 - 1.1 cm Lapel-Clip Spacing from Back of DUT to Planar Phantom

Area Scan (7x18x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 2.72 mW/g

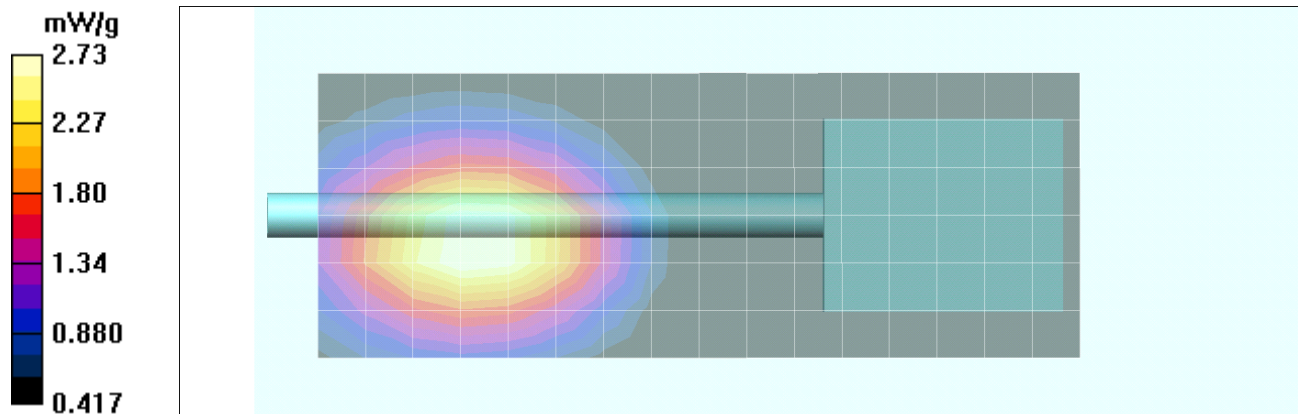
Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.47 V/m; Power Drift = -0.043 dB

Peak SAR (extrapolated) = 3.19 W/kg

SAR(1 g) = 2.58 mW/g; SAR(10 g) = 1.91 mW/g

Maximum value of SAR (measured) = 2.73 mW/g

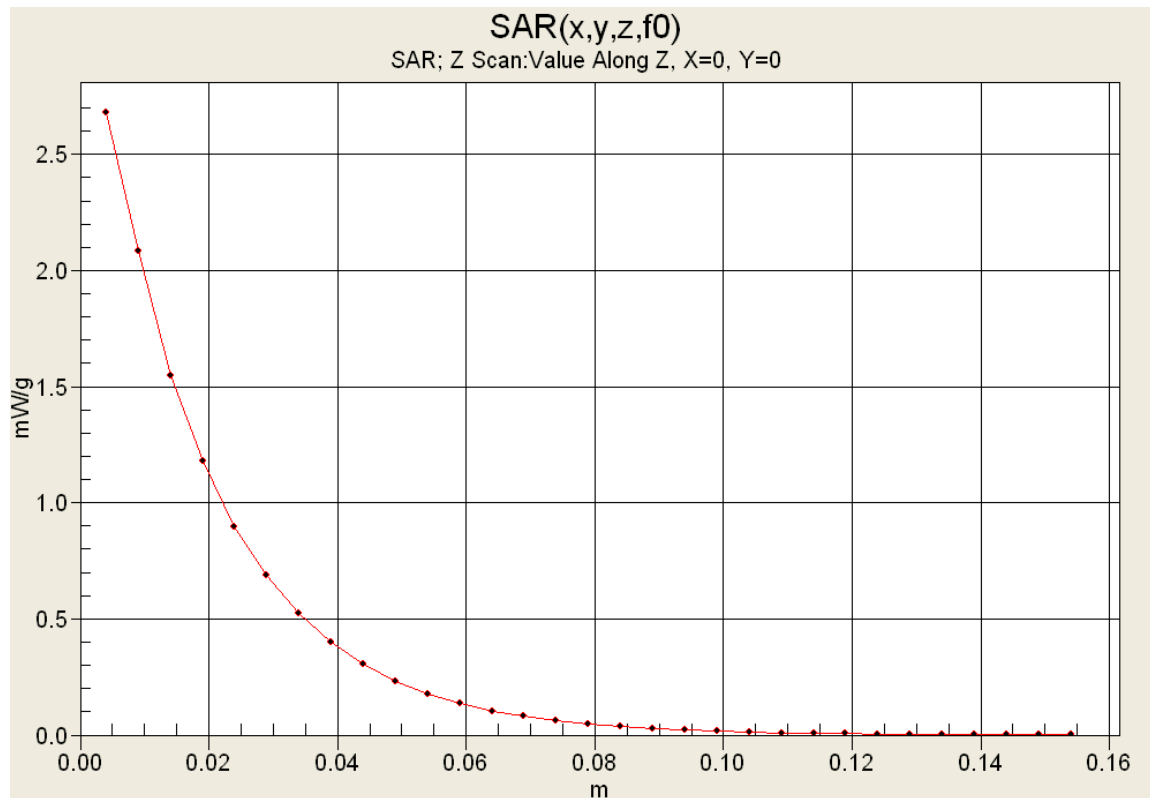


Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver		Model:	P5500 (800)	806-824 / 851-869 MHz	
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	<u>Date(s) of Evaluation</u> July 05-08, 11-12, 2011	<u>Test Report Serial No.</u> 070411OWD-T1108-S90P	<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)	

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

Body SAR Plot #4 (B4) - Speaker-Microphone with Antenna

Date Tested: 07/11/2011

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

Ambient Temp: 23.0°C; Fluid Temp: 21.5°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 868.9875 MHz; Duty Cycle: 1:1

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

- 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 - 1.1 cm Lapel-Clip Spacing from Back of DUT to Planar Phantom

Area Scan (7x18x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 1.87 mW/g

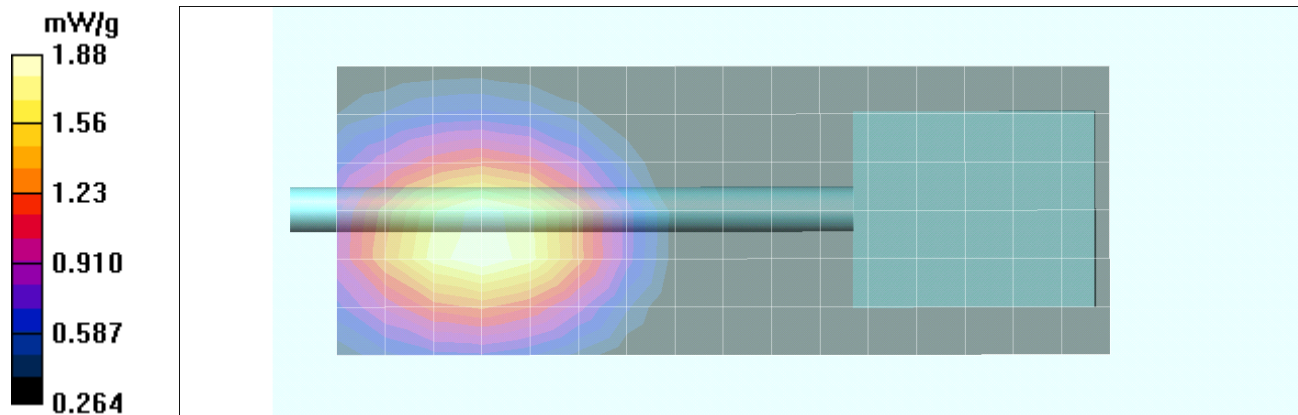
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 13.9 V/m; Power Drift = 0.016 dB

Peak SAR (extrapolated) = 2.25 W/kg

SAR(1 g) = 1.77 mW/g; SAR(10 g) = 1.29 mW/g

Maximum value of SAR (measured) = 1.88 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>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 #5 (B5) - Speaker-Microphone with Antenna

Date Tested: 07/11/2011

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

Ambient Temp: 23.0°C; Fluid Temp: 21.5°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 823.9875 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.968 \text{ mho/m}$; $\epsilon_r = 54.4$; $\rho = 1000 \text{ kg/m}^3$

- 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 - 1.1 cm Lapel-Clip Spacing from Back of DUT to Planar Phantom

Area Scan (7x18x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 2.55 mW/g

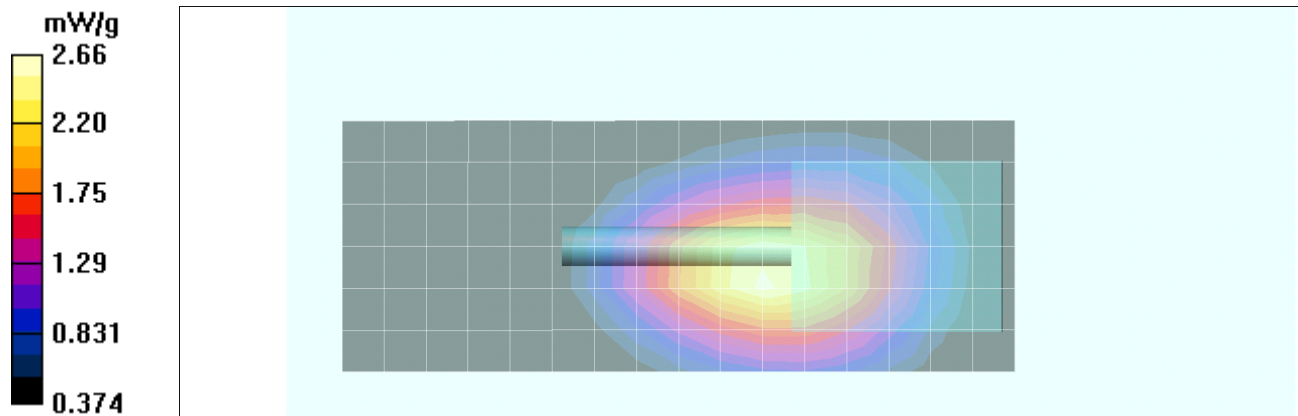
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 52.4 V/m; Power Drift = -0.065 dB

Peak SAR (extrapolated) = 3.22 W/kg

SAR(1 g) = 2.49 mW/g; SAR(10 g) = 1.81 mW/g

Maximum value of SAR (measured) = 2.66 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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	<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 #6 (B6) - Speaker-Microphone with Antenna

Date Tested: 07/11/2011

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

Ambient Temp: 23.0°C; Fluid Temp: 21.5°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 868.9875 MHz; Duty Cycle: 1:1

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

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface)
- 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 Lapel-Clip Spacing from Back of DUT to Planar Phantom

Area Scan (7x18x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 2.52 mW/g

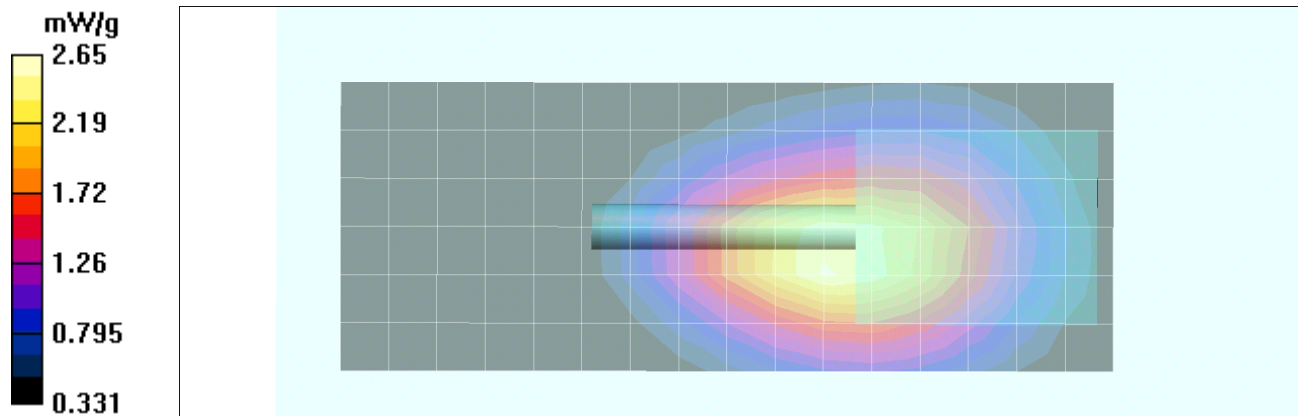
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 51.4 V/m; Power Drift = -0.076 dB

Peak SAR (extrapolated) = 3.31 W/kg

SAR(1 g) = 2.47 mW/g; SAR(10 g) = 1.77 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>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 #7 (B7)

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

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

Maximum value of SAR (measured) = 4.31 mW/g

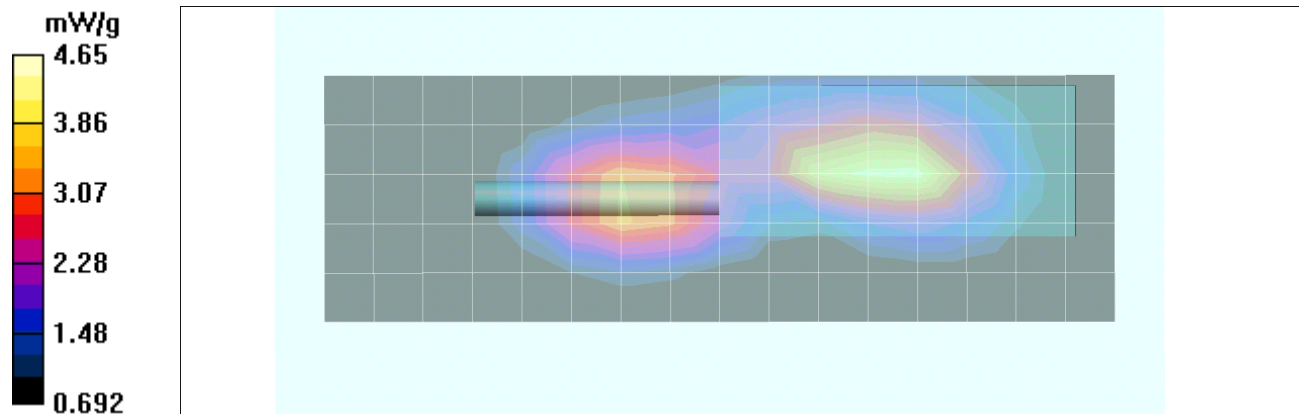
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 53.5 V/m; Power Drift = -0.237 dB

Peak SAR (extrapolated) = 5.48 W/kg

SAR(1 g) = 4.40 mW/g; SAR(10 g) = 3.25 mW/g

Maximum value of SAR (measured) = 4.65 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>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 #8 (B8)

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: 868.9875 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 869 \text{ MHz}$; $\sigma = 0.98 \text{ mho/m}$; $\epsilon_r = 53.9$; $\rho = 1000 \text{ kg/m}^3$

- 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 - 1.1 cm Belt-Clip 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) = 4.31 mW/g

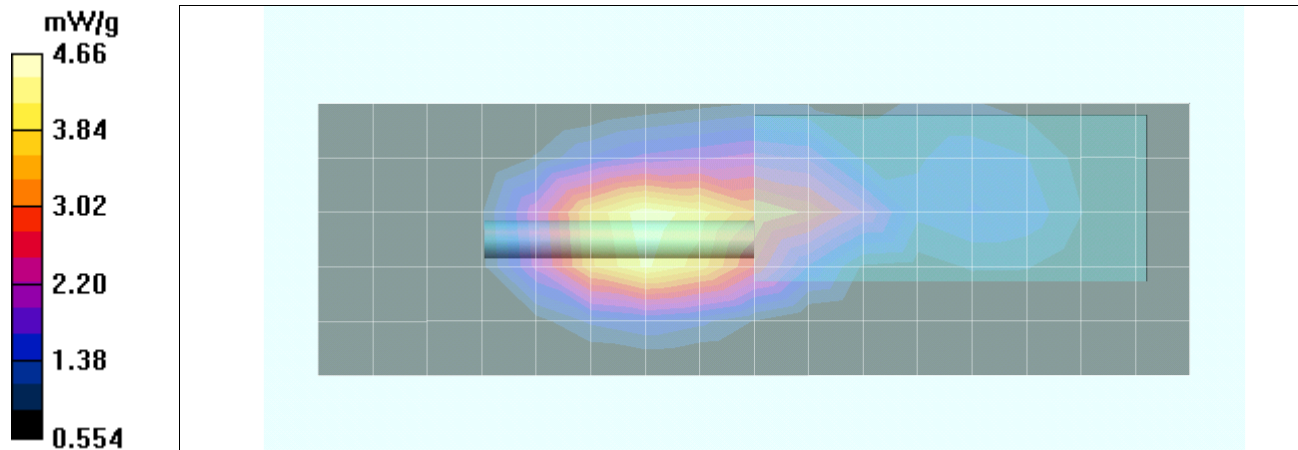
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 59.2 V/m; Power Drift = -0.539 dB

Peak SAR (extrapolated) = 5.69 W/kg

SAR(1 g) = 4.36 mW/g; SAR(10 g) = 3.05 mW/g

Maximum value of SAR (measured) = 4.66 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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	<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)	 Test Lab Certificate No. 2470.01
	<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 #9 (B9)

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): $f = 824 \text{ MHz}$; $\sigma = 0.938 \text{ mho/m}$; $\epsilon_r = 53.9$; $\rho = 1000 \text{ kg/m}^3$

- 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 - 1.1 cm Belt-Clip 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) = 5.52 mW/g

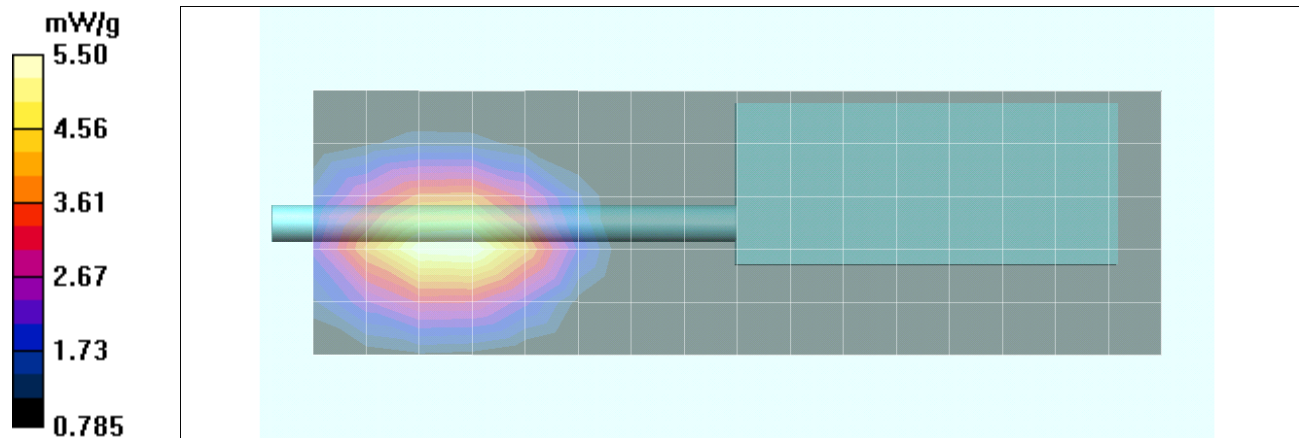
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 18.7 V/m; Power Drift = -0.411 dB

Peak SAR (extrapolated) = 6.50 W/kg

SAR(1 g) = 5.17 mW/g; SAR(10 g) = 3.76 mW/g

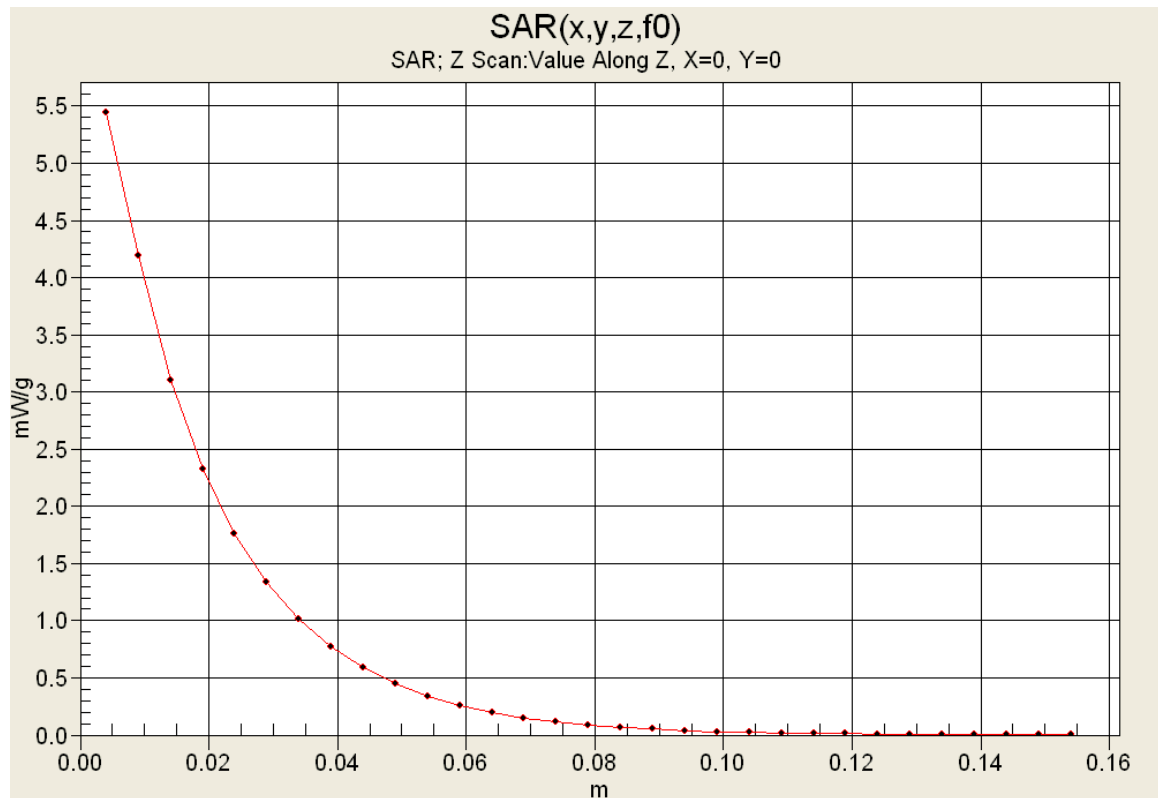
Maximum value of SAR (measured) = 5.50 mW/g



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)	
Test Lab Certificate No. 2470.01				

Z-Axis Scan

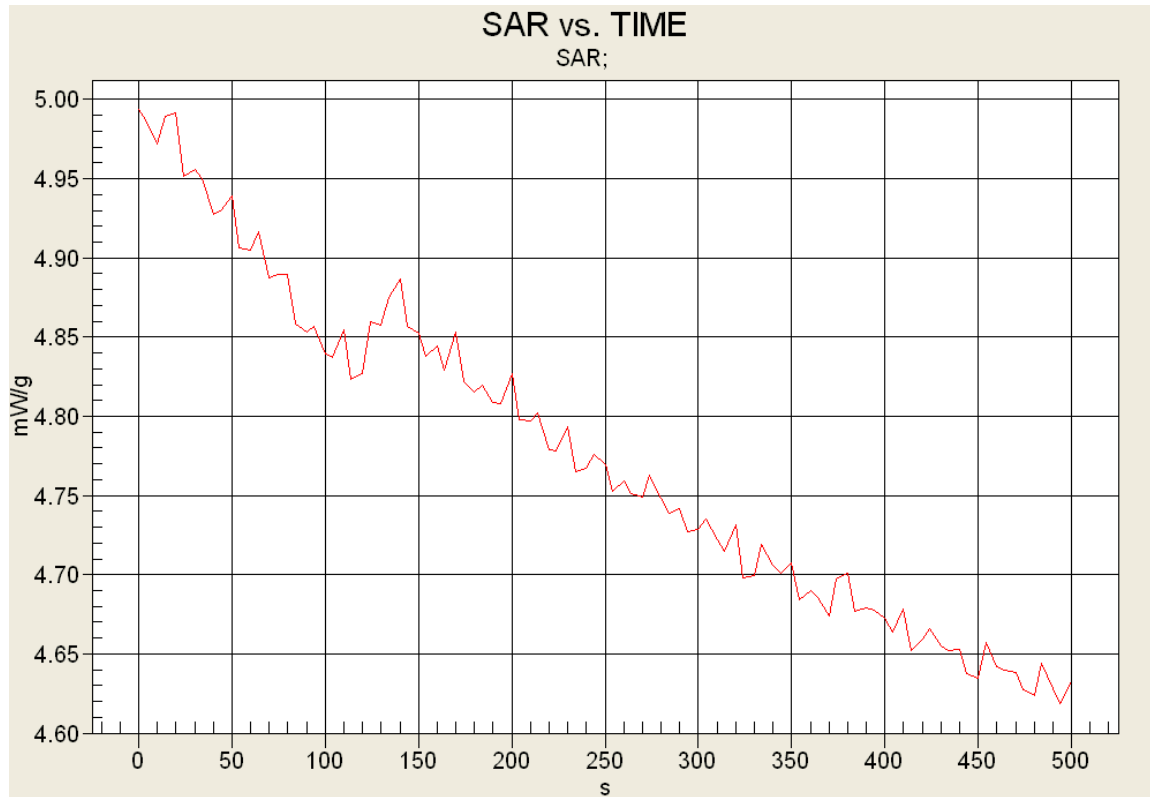


Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0066-E	IC:	3636B-0066	
DUT Type:	Portable 800-Band PTT Radio Transceiver	Model:	P5500 (800)	806-824 / 851-869 MHz		
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	<u>Date(s) of Evaluation</u> July 05-08, 11-12, 2011	<u>Test Report Serial No.</u> 070411OWD-T1108-S90P	<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)	

Test Lab Certificate No. 2470.01

SAR vs TIME



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 #10 (B10)

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: 868.9875 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 869 \text{ MHz}$; $\sigma = 0.98 \text{ mho/m}$; $\epsilon_r = 53.9$; $\rho = 1000 \text{ kg/m}^3$

- 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 - 1.1 cm Belt-Clip 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) = 3.33 mW/g

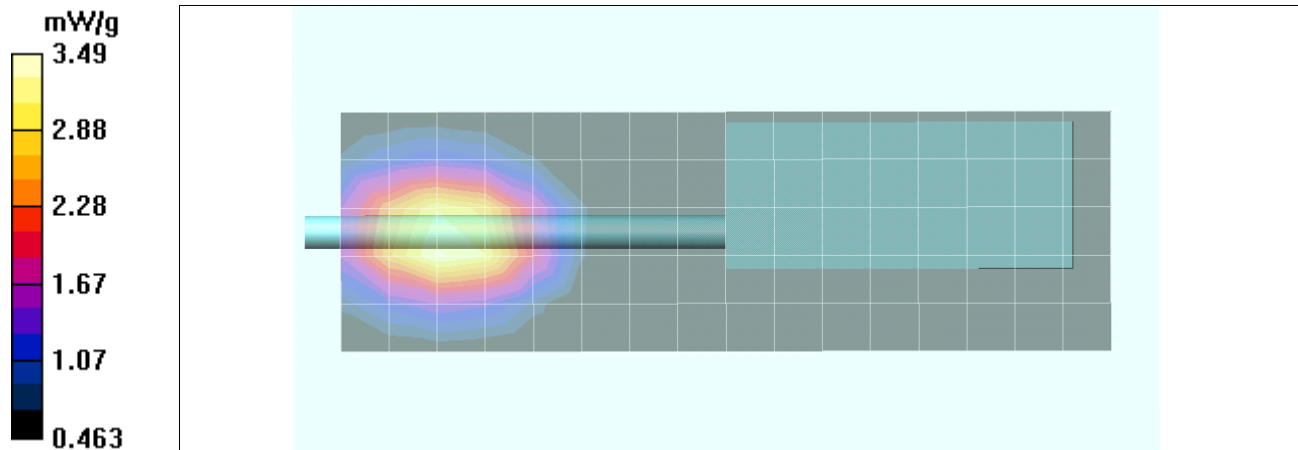
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 23.5 V/m; Power Drift = -0.087 dB

Peak SAR (extrapolated) = 4.19 W/kg

SAR(1 g) = 3.28 mW/g; SAR(10 g) = 2.36 mW/g

Maximum value of SAR (measured) = 3.49 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>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)	

Test Lab Certificate No. 2470.01

Body SAR Plot #11 (B11)

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): $f = 824 \text{ MHz}$; $\sigma = 0.938 \text{ mho/m}$; $\epsilon_r = 53.9$; $\rho = 1000 \text{ kg/m}^3$

- 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 - 1.1 cm Belt-Clip 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) = 5.32 mW/g

824 MHz -506-2 - NiMh - BC - Explorer Headset - (9580-007)

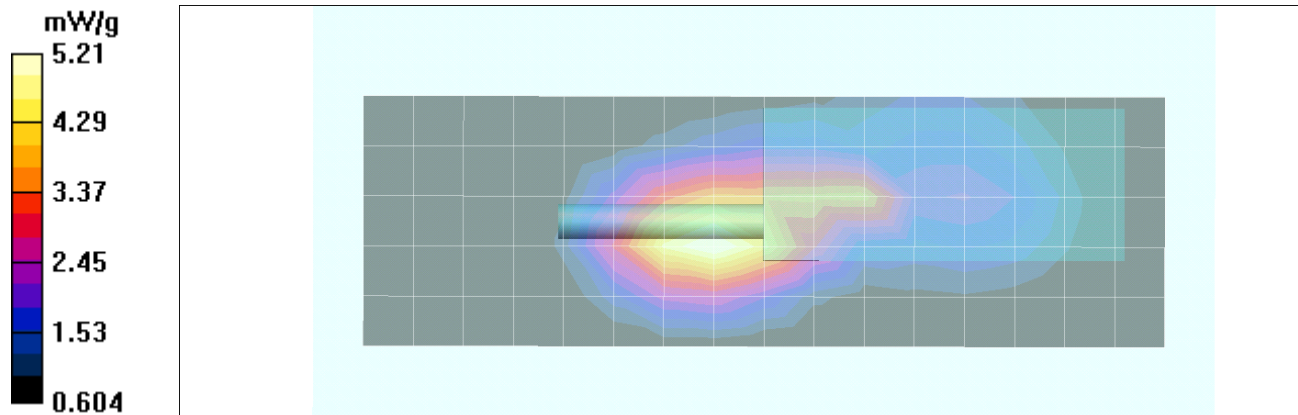
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 60.6 V/m; Power Drift = -0.130 dB

Peak SAR (extrapolated) = 6.37 W/kg

SAR(1 g) = 4.89 mW/g; SAR(10 g) = 3.47 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	Model:	P5500 (800)	806-824 / 851-869 MHz		
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	Date(s) of Evaluation July 05-08, 11-12, 2011	Test Report Serial No. 070411OWD-T1108-S90P	Test Report Revision No. Rev. 1.2 (3rd Release)	
	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

Body SAR Plot #12 (B12)

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: 868.9875 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 869 \text{ MHz}$; $\sigma = 0.98 \text{ mho/m}$; $\epsilon_r = 53.9$; $\rho = 1000 \text{ kg/m}^3$

- 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 - 1.1 cm Belt-Clip 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) = 4.56 mW/g

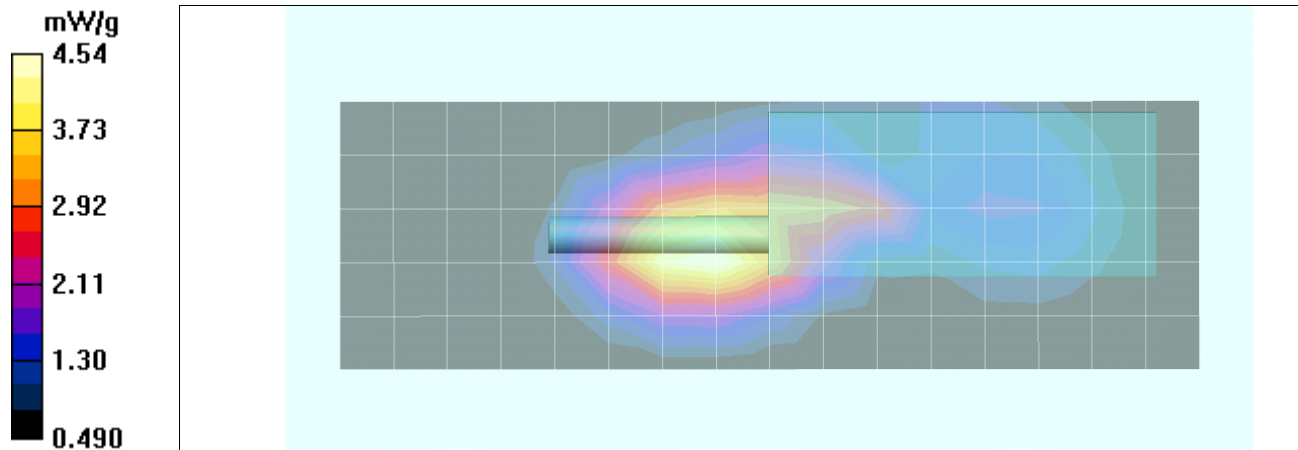
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 59.3 V/m; Power Drift = -0.262 dB

Peak SAR (extrapolated) = 5.60 W/kg

SAR(1 g) = 4.26 mW/g; SAR(10 g) = 2.98 mW/g

Maximum value of SAR (measured) = 4.54 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 #13 (B13)

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

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

Maximum value of SAR (measured) = 5.48 mW/g

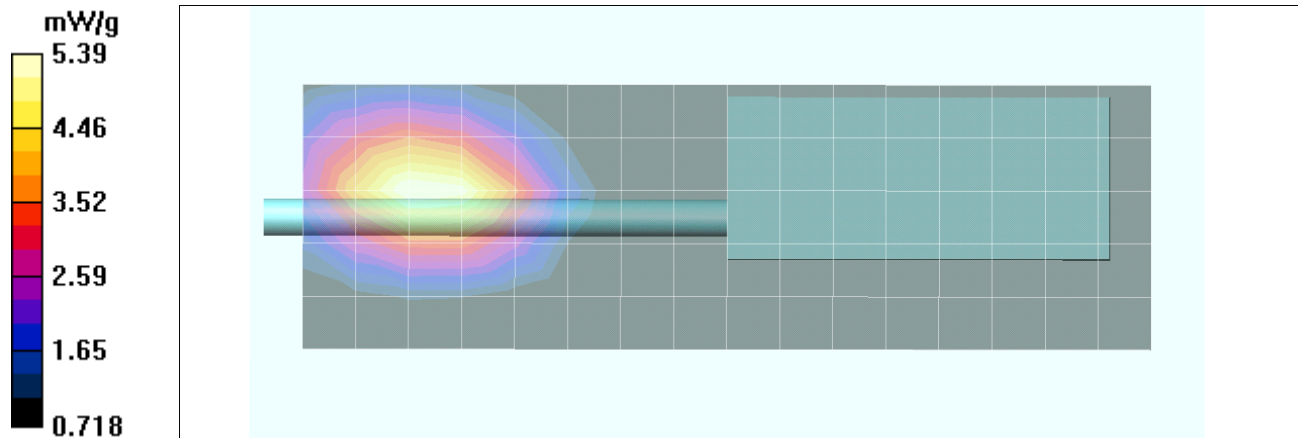
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.9 V/m; Power Drift = 0.042 dB

Peak SAR (extrapolated) = 6.46 W/kg

SAR(1 g) = 5.10 mW/g; SAR(10 g) = 3.69 mW/g

Maximum value of SAR (measured) = 5.39 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>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 #14 (B14)

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): $f = 824 \text{ MHz}$; $\sigma = 0.938 \text{ mho/m}$; $\epsilon_r = 53.9$; $\rho = 1000 \text{ kg/m}^3$

- 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 - 1.1 cm Belt-Clip 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) = 4.08 mW/g

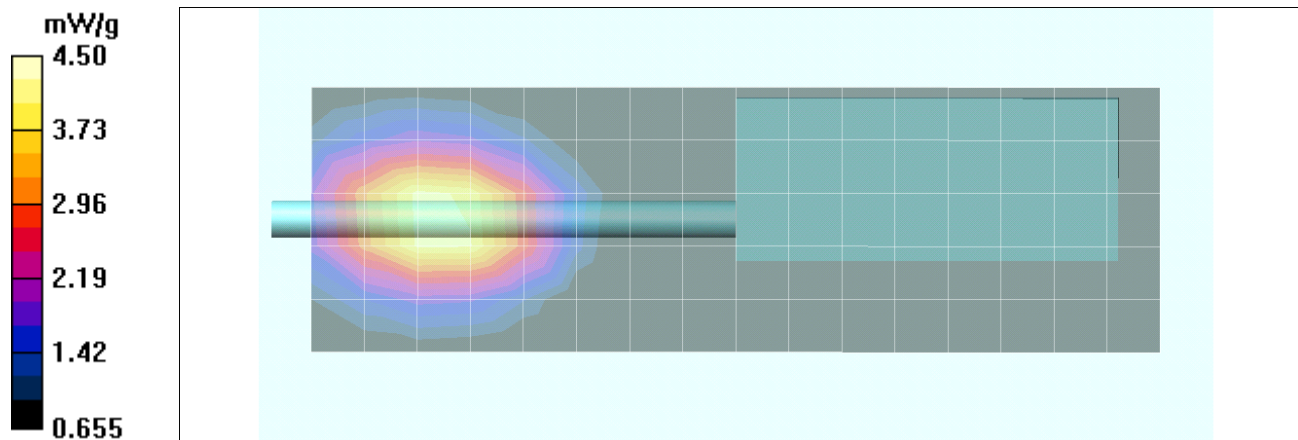
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 19.9 V/m; Power Drift = 0.024 dB

Peak SAR (extrapolated) = 5.29 W/kg

SAR(1 g) = 4.22 mW/g; SAR(10 g) = 3.09 mW/g

Maximum value of SAR (measured) = 4.50 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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	Date(s) of Evaluation July 05-08, 11-12, 2011	Test Report Serial No. 070411OWD-T1108-S90P	Test Report Revision No. Rev. 1.2 (3rd Release)	
	Test Report Issue Date October 05, 2011	Description of Test(s) Specific Absorption Rate	RF Exposure Category Occupational (Controlled)	

Body SAR Plot #15 (B15)

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: 868.9875 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 869 \text{ MHz}$; $\sigma = 0.98 \text{ mho/m}$; $\epsilon_r = 53.9$; $\rho = 1000 \text{ kg/m}^3$

- 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 - 1.1 cm Belt-Clip 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) = 4.93 mW/g

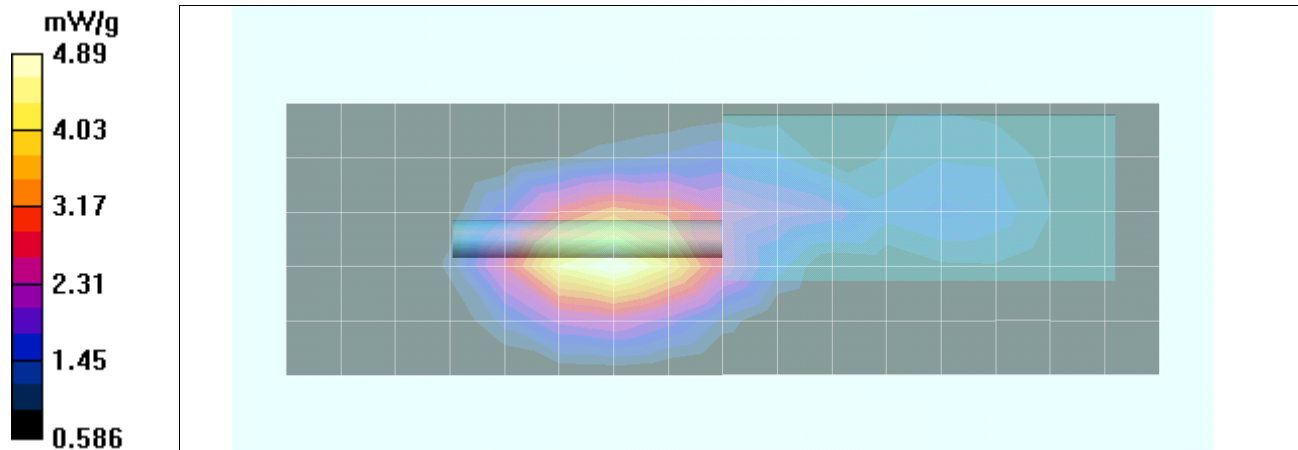
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 51.4 V/m; Power Drift = -0.193 dB

Peak SAR (extrapolated) = 5.97 W/kg

SAR(1 g) = 4.60 mW/g; SAR(10 g) = 3.26 mW/g

Maximum value of SAR (measured) = 4.89 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 #16 (B16)

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: 868.9875 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 869 \text{ MHz}$; $\sigma = 0.98 \text{ mho/m}$; $\epsilon_r = 53.9$; $\rho = 1000 \text{ kg/m}^3$

- 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 - 1.1 cm Belt-Clip 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) = 3.05 mW/g

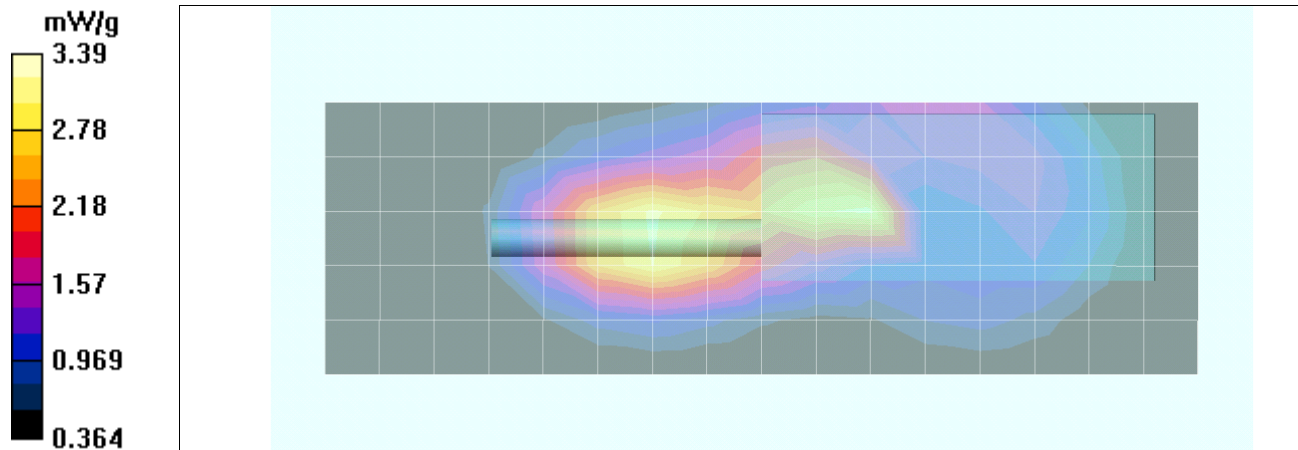
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 53.7 V/m; Power Drift = -0.123 dB

Peak SAR (extrapolated) = 4.18 W/kg

SAR(1 g) = 3.17 mW/g; SAR(10 g) = 2.24 mW/g

Maximum value of SAR (measured) = 3.39 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>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 #17 (B17)

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): $f = 824 \text{ MHz}$; $\sigma = 0.938 \text{ mho/m}$; $\epsilon_r = 53.9$; $\rho = 1000 \text{ kg/m}^3$

- 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 - 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) = 1.98 mW/g

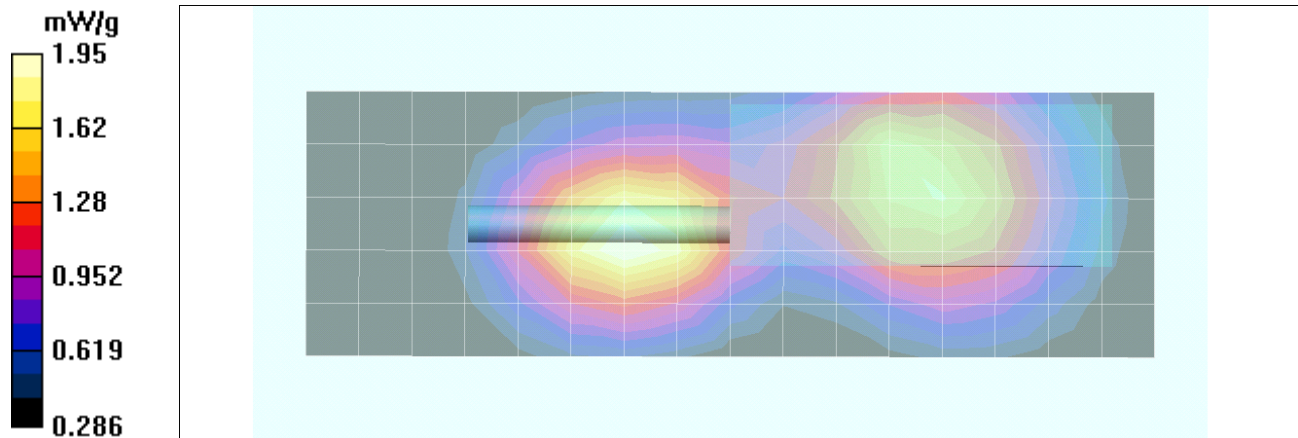
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 37.0 V/m; Power Drift = -0.348 dB

Peak SAR (extrapolated) = 2.29 W/kg

SAR(1 g) = 1.84 mW/g; SAR(10 g) = 1.36 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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