

	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

APPENDIX A - SAR MEASUREMENT PLOTS

Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
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Face SAR Plot F1

Date Tested: 10/14/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-004

Ambient Temp: 22C; Fluid Temp: 21.6C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 144 MHz; Duty Cycle: 1:1

Medium: HSL150 Medium parameters used (interpolated): $f = 144 \text{ MHz}$; $\sigma = 0.722 \text{ mho/m}$; $\epsilon_r = 53.9$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.9, 8.9, 8.9); 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

Area Scan (6x20x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.35 mW/g

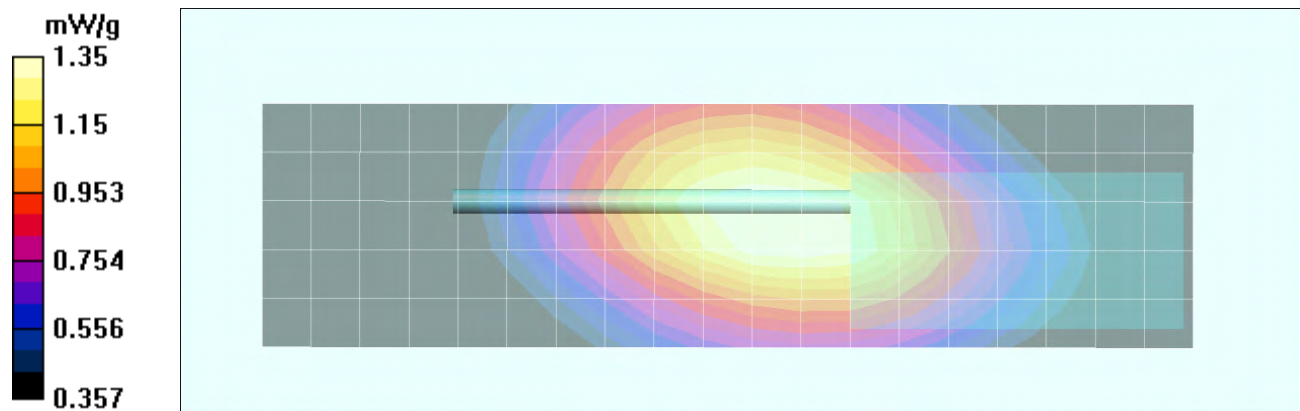
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 42.4 V/m; Power Drift = -0.113 dB

Peak SAR (extrapolated) = 1.87 W/kg

SAR(1 g) = 1.31 mW/g; SAR(10 g) = 1.02 mW/g

Info: Interpolated medium parameters used for SAR evaluation.



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Face SAR Plot F2

Date Tested: 10/14/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-004

Ambient Temp: 22C; Fluid Temp: 21.6C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 156.4 MHz; Duty Cycle: 1:1

Medium: HSL150 Medium parameters used (interpolated): $f = 156.4 \text{ MHz}$; $\sigma = 0.726 \text{ mho/m}$; $\epsilon_r = 54.3$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.9, 8.9, 8.9); 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

Area Scan (6x20x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.03 mW/g

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

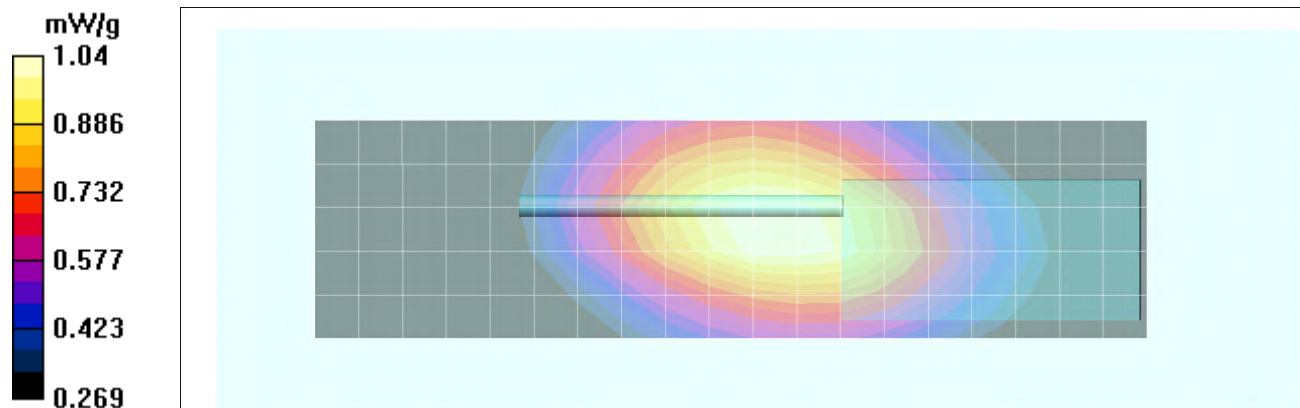
Reference Value = 36.7 V/m; Power Drift = -0.017 dB

Peak SAR (extrapolated) = 1.45 W/kg

SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.782 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.04 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Face SAR Plot F3

Date Tested: 10/14/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-004

Ambient Temp: 22C; Fluid Temp: 21.6C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 173.4 MHz; Duty Cycle: 1:1

Medium: HSL150 Medium parameters used (interpolated): $f = 173.4 \text{ MHz}$; $\sigma = 0.743 \text{ mho/m}$; $\epsilon_r = 53.5$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.9, 8.9, 8.9); 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

Area Scan (6x20x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.351 mW/g

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

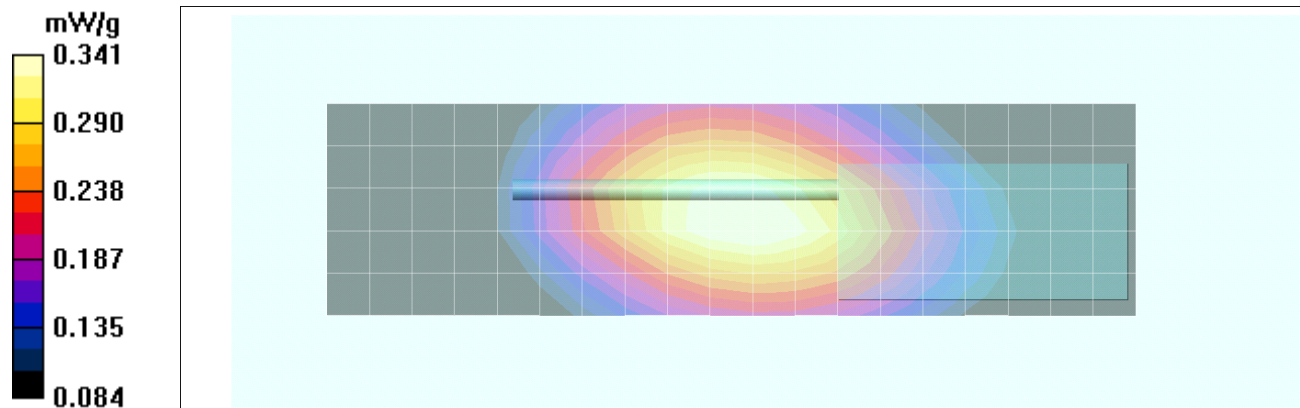
Reference Value = 20.5 V/m; Power Drift = -0.254 dB

Peak SAR (extrapolated) = 0.480 W/kg

SAR(1 g) = 0.331 mW/g; SAR(10 g) = 0.252 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.341 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Face SAR Plot F4

Date Tested: 10/14/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-004

Ambient Temp: 22C; Fluid Temp: 21.6C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 173.4 MHz; Duty Cycle: 1:1

Medium: HSL150 Medium parameters used (interpolated): $f = 173.4 \text{ MHz}$; $\sigma = 0.743 \text{ mho/m}$; $\epsilon_r = 53.5$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.9, 8.9, 8.9); 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

Area Scan (6x20x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.78 mW/g

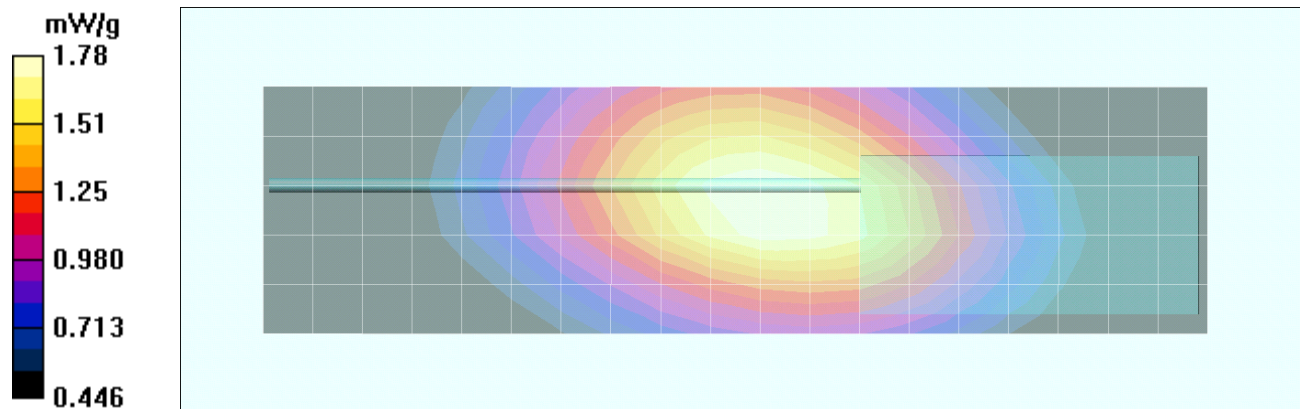
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 46.9 V/m; Power Drift = -0.081 dB

Peak SAR (extrapolated) = 2.48 W/kg

SAR(1 g) = 1.73 mW/g; SAR(10 g) = 1.33 mW/g

Info: Interpolated medium parameters used for SAR evaluation.



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Face SAR Plot F5

Date Tested: 10/17/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-004

Ambient Temp: 22C; Fluid Temp: 21.6C; Barometric Pressure: 101.1 kPa; Humidity: 32%

Communication System: CW

Frequency: 173.4 MHz; Duty Cycle: 1:1

Medium: HSL150 Medium parameters used (interpolated): $f = 173.4 \text{ MHz}$; $\sigma = 0.737 \text{ mho/m}$; $\epsilon_r = 54.3$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.9, 8.9, 8.9); 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

Area Scan (6x20x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.46 mW/g

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

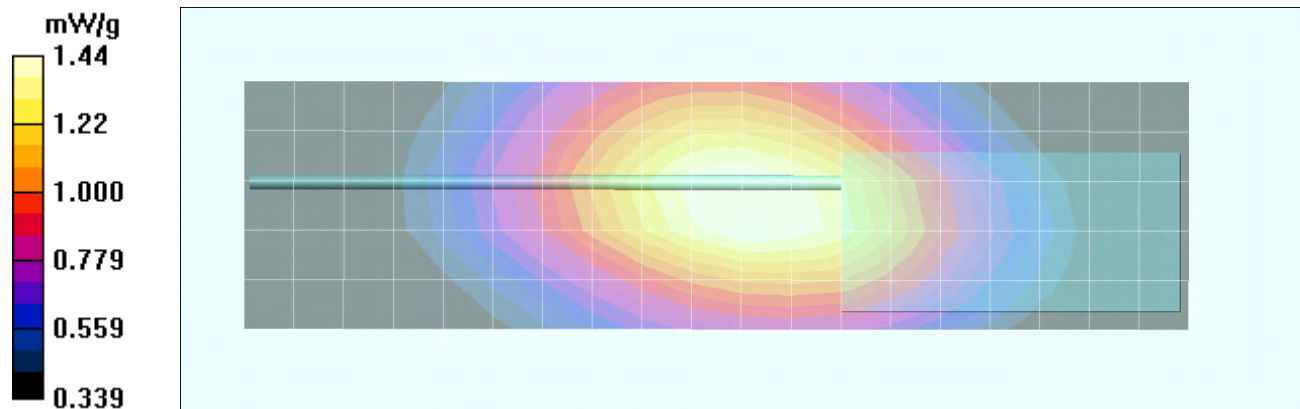
Reference Value = 43.8 V/m; Power Drift = -0.448 dB

Peak SAR (extrapolated) = 2.01 W/kg

SAR(1 g) = 1.39 mW/g; SAR(10 g) = 1.06 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.44 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> November 10, 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 F6

Date Tested: 10/17/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-004

Ambient Temp: 22C; Fluid Temp: 21.6C; Barometric Pressure: 101.1 kPa; Humidity: 32%

Communication System: CW

Frequency: 173.4 MHz; Duty Cycle: 1:1

Medium: HSL150 Medium parameters used (interpolated): $f = 173.4 \text{ MHz}$; $\sigma = 0.737 \text{ mho/m}$; $\epsilon_r = 54.3$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.9, 8.9, 8.9); 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

Area Scan (6x20x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.30 mW/g

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

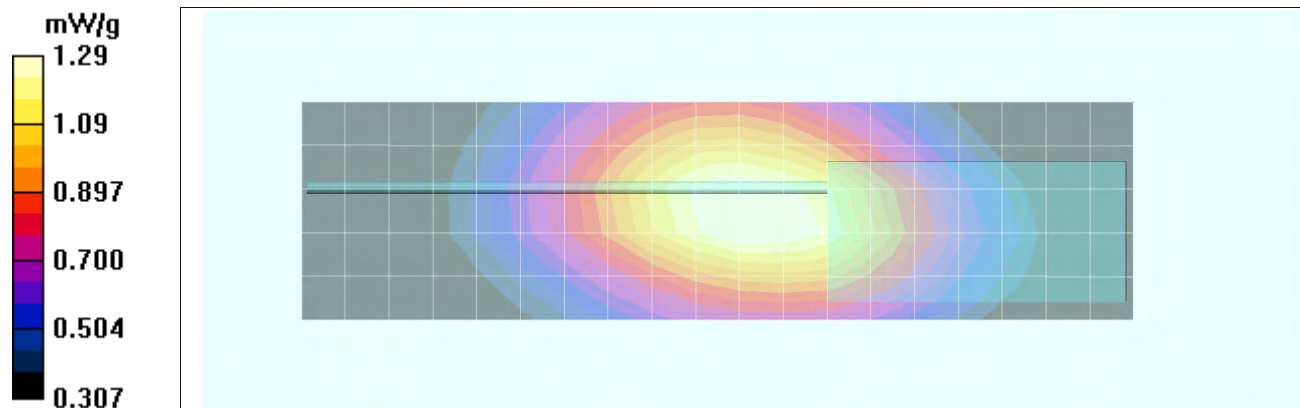
Reference Value = 41.9 V/m; Power Drift = -0.410 dB

Peak SAR (extrapolated) = 1.80 W/kg

SAR(1 g) = 1.25 mW/g; SAR(10 g) = 0.955 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.29 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Face SAR Plot F7

Date Tested: 10/14/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-004

Ambient Temp: 22C; Fluid Temp: 21.6C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 173.4 MHz; Duty Cycle: 1:1

Medium: HSL150 Medium parameters used (interpolated): $f = 173.4 \text{ MHz}$; $\sigma = 0.743 \text{ mho/m}$; $\epsilon_r = 53.5$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.9, 8.9, 8.9); 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

Area Scan (6x20x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.81 mW/g

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

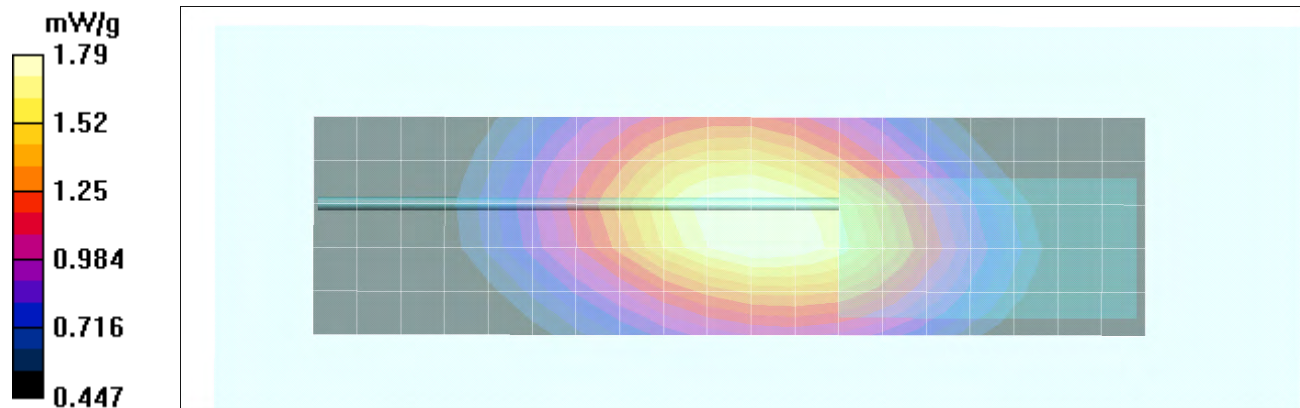
Reference Value = 48.4 V/m; Power Drift = -0.343 dB

Peak SAR (extrapolated) = 2.51 W/kg

SAR(1 g) = 1.73 mW/g; SAR(10 g) = 1.33 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

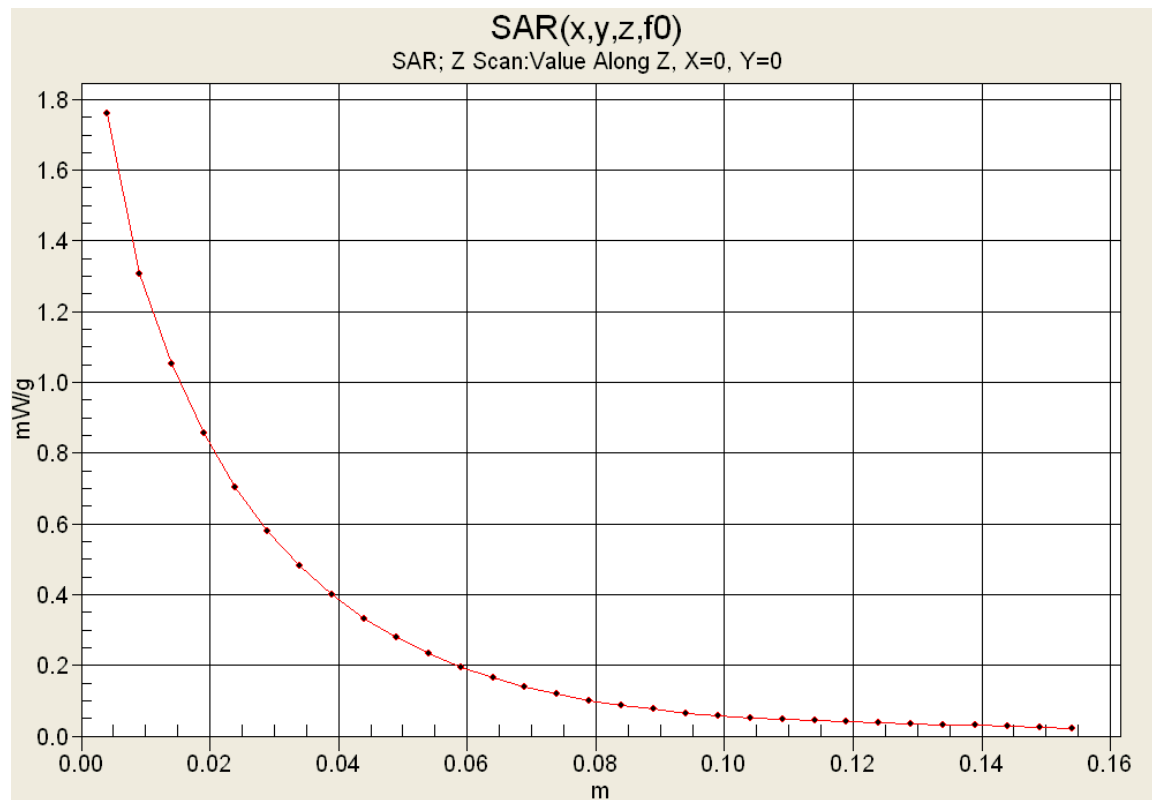
Maximum value of SAR (measured) = 1.79 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 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-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver		DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz	
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Face SAR Plot F8

Date Tested: 10/17/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-004

Ambient Temp: 22C; Fluid Temp: 21.6C; Barometric Pressure: 101.1 kPa; Humidity: 32%

Communication System: CW

Frequency: 144 MHz; Duty Cycle: 1:1

Medium: HSL150 Medium parameters used (interpolated): $f = 144 \text{ MHz}$; $\sigma = 0.722 \text{ mho/m}$; $\epsilon_r = 53.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.9, 8.9, 8.9); 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

Area Scan (6x20x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.05 mW/g

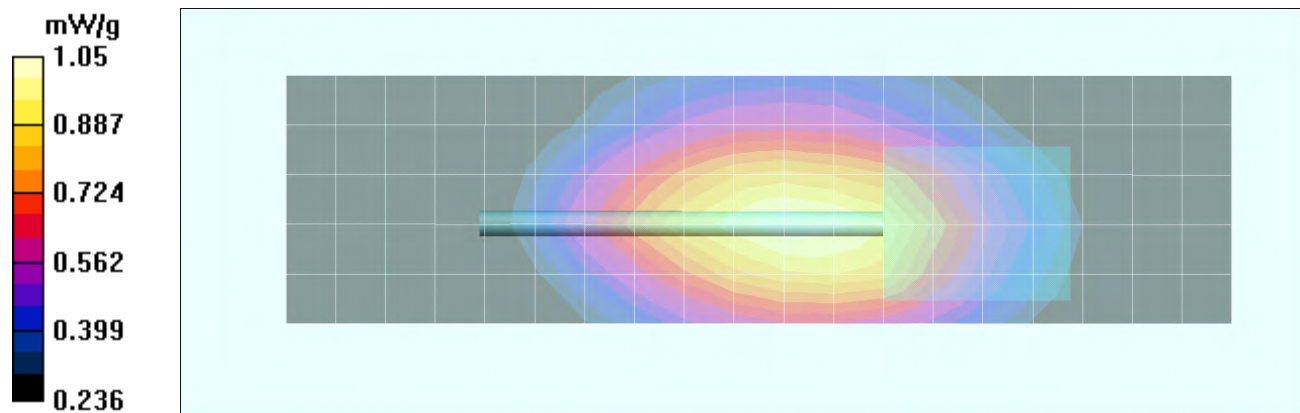
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 36.6 V/m; Power Drift = -0.070 dB

Peak SAR (extrapolated) = 1.49 W/kg

SAR(1 g) = 1 mW/g; SAR(10 g) = 0.745 mW/g

Info: Interpolated medium parameters used for SAR evaluation.



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Face SAR Plot F9

Date Tested: 10/17/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-004

Ambient Temp: 22C; Fluid Temp: 21.6C; Barometric Pressure: 101.1 kPa; Humidity: 32%

Communication System: CW

Frequency: 156.4 MHz; Duty Cycle: 1:1

Medium: HSL150 Medium parameters used (interpolated): $f = 156.4$ MHz; $\sigma = 0.726$ mho/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³

- Probe: ET3DV6 - SN1590; ConvF(8.9, 8.9, 8.9); 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

Area Scan (6x20x1): Measurement grid: dx=20mm, dy=20mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.14 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

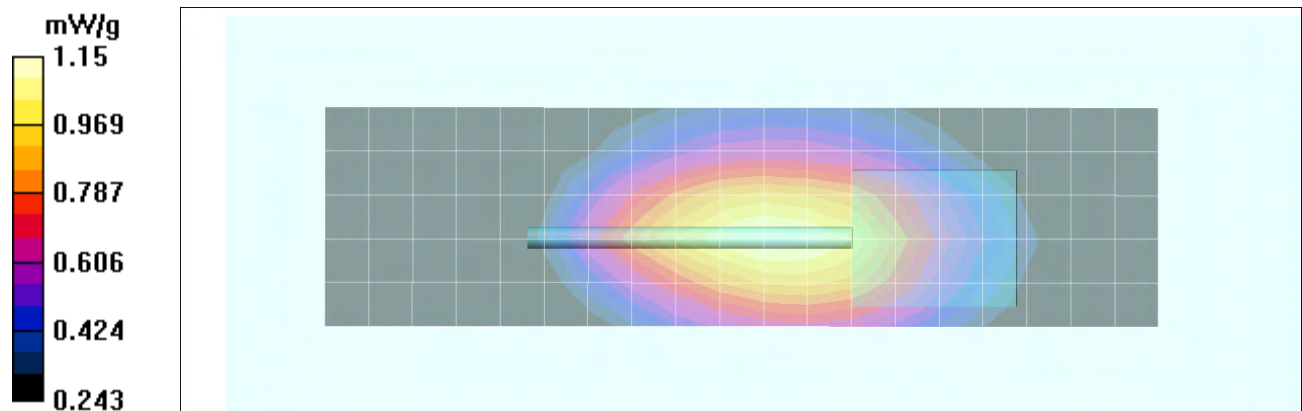
Reference Value = 37.7 V/m; Power Drift = -0.065 dB

Peak SAR (extrapolated) = 1.65 W/kg

SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.812 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.15 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Face SAR Plot F10

Date Tested: 10/17/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-004

Ambient Temp: 22C; Fluid Temp: 21.6C; Barometric Pressure: 101.1 kPa; Humidity: 32%

Communication System: CW

Frequency: 173.4 MHz; Duty Cycle: 1:1

Medium: HSL150 Medium parameters used (interpolated): $f = 173.4 \text{ MHz}$; $\sigma = 0.737 \text{ mho/m}$; $\epsilon_r = 54.3$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.9, 8.9, 8.9); 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

Area Scan (6x20x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.368 mW/g

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

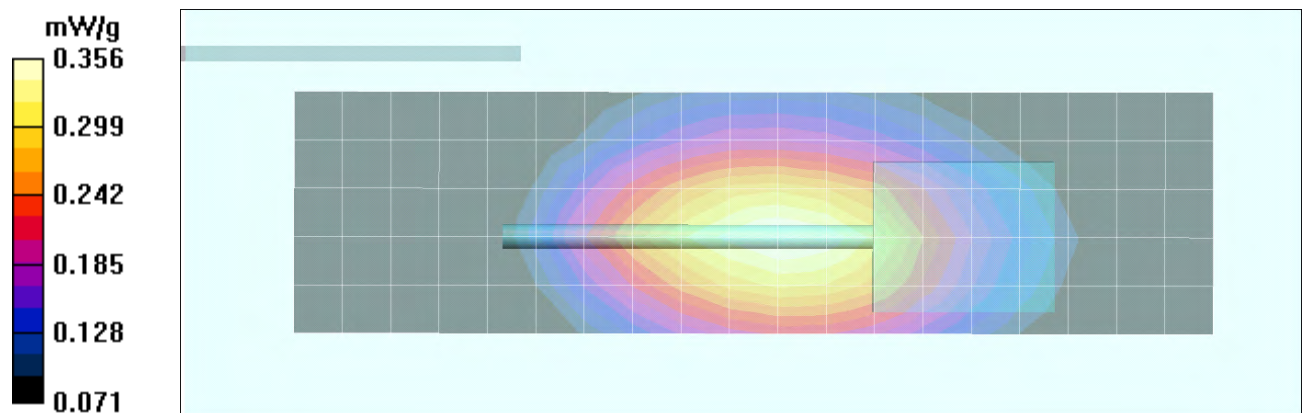
Reference Value = 20.8 V/m; Power Drift = -0.301 dB

Peak SAR (extrapolated) = 0.511 W/kg

SAR(1 g) = 0.341 mW/g; SAR(10 g) = 0.251 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.356 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Face SAR Plot F11

Date Tested: 10/17/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-004

Ambient Temp: 22C; Fluid Temp: 21.6C; Barometric Pressure: 101.1 kPa; Humidity: 32%

Communication System: CW

Frequency: 173.4 MHz; Duty Cycle: 1:1

Medium: HSL150 Medium parameters used (interpolated): $f = 173.4 \text{ MHz}$; $\sigma = 0.737 \text{ mho/m}$; $\epsilon_r = 54.3$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.9, 8.9, 8.9); 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

Area Scan (6x20x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.17 mW/g

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

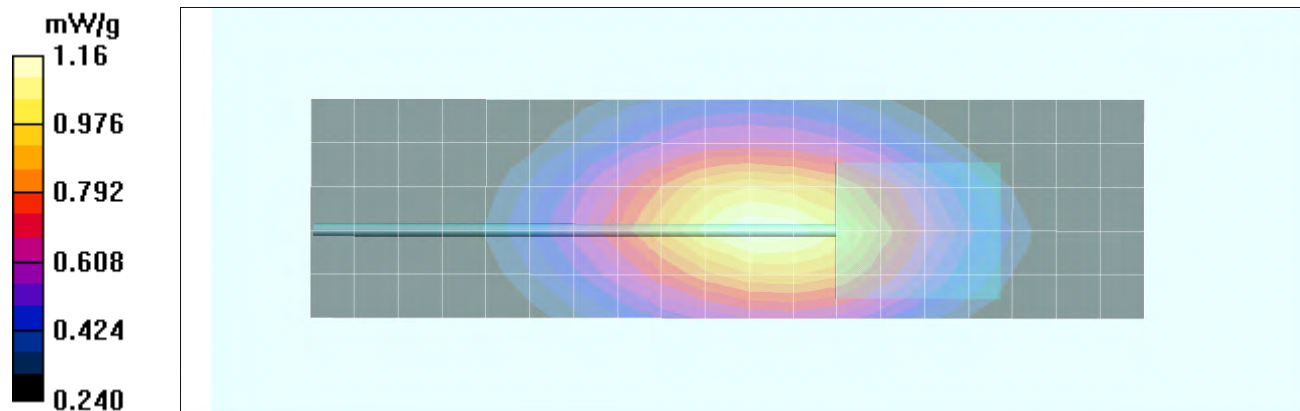
Reference Value = 38.0 V/m; Power Drift = -0.081 dB

Peak SAR (extrapolated) = 1.66 W/kg

SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.823 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.16 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Face SAR Plot F12

Date Tested: 10/17/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-003

Ambient Temp: 22C; Fluid Temp: 21.6C; Barometric Pressure: 101.1 kPa; Humidity: 32%

Communication System: CW

Frequency: 144 MHz; Duty Cycle: 1:1

Medium: HSL150 Medium parameters used (interpolated): $f = 144 \text{ MHz}$; $\sigma = 0.722 \text{ mho/m}$; $\epsilon_r = 53.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.9, 8.9, 8.9); 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

Area Scan (6x20x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

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

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

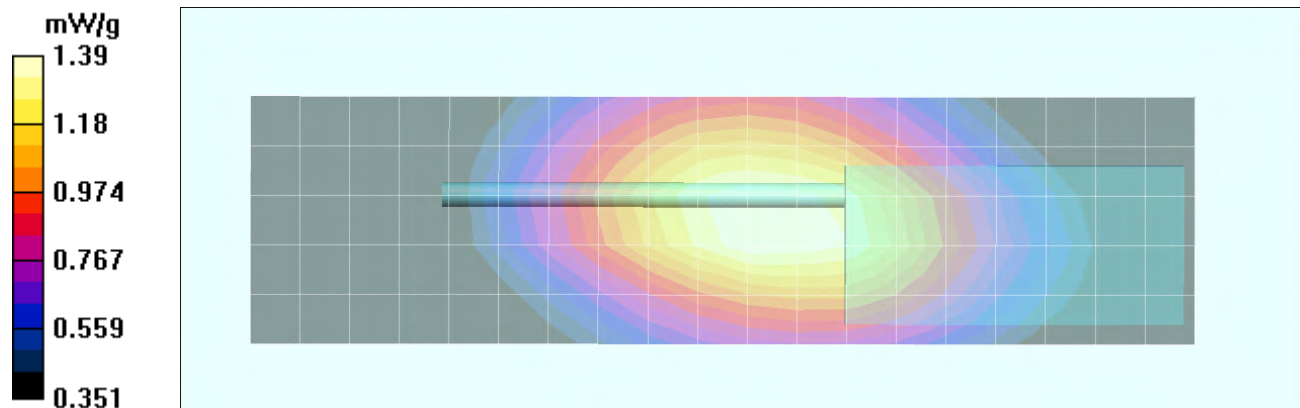
Reference Value = 43.1 V/m; Power Drift = -0.076 dB

Peak SAR (extrapolated) = 1.92 W/kg

SAR(1 g) = 1.35 mW/g; SAR(10 g) = 1.04 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Face SAR Plot F13

Date Tested: 10/17/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-003

Ambient Temp: 22C; Fluid Temp: 21.6C; Barometric Pressure: 101.1 kPa; Humidity: 32%

Communication System: CW

Frequency: 156.4 MHz; Duty Cycle: 1:1

Medium: HSL150 Medium parameters used (interpolated): $f = 156.4$ MHz; $\sigma = 0.726$ mho/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³

- Probe: ET3DV6 - SN1590; ConvF(8.9, 8.9, 8.9); 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

Area Scan (6x20x1): Measurement grid: dx=20mm, dy=20mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.05 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

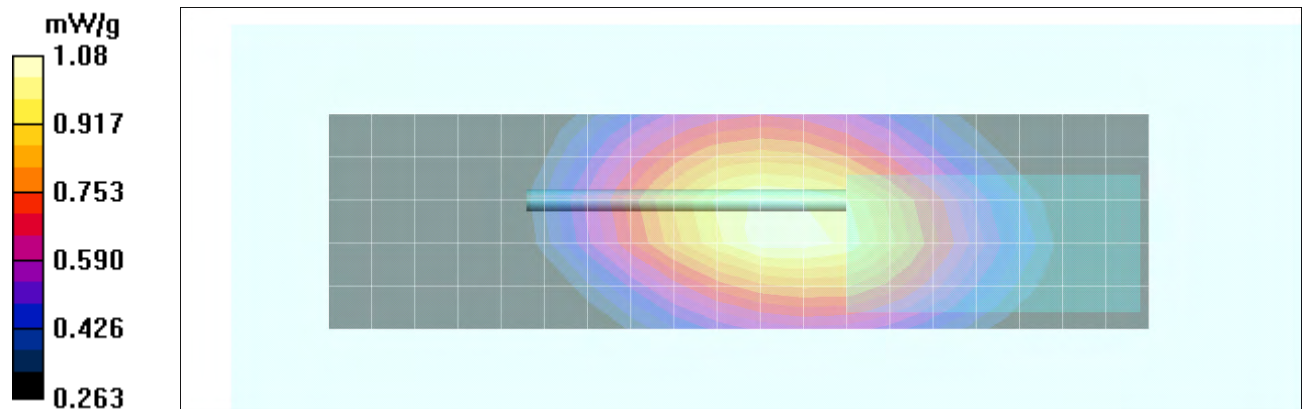
Reference Value = 37.4 V/m; Power Drift = -0.017 dB

Peak SAR (extrapolated) = 1.50 W/kg

SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.800 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.08 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Face SAR Plot F14

Date Tested: 10/17/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-003

Ambient Temp: 22C; Fluid Temp: 21.6C; Barometric Pressure: 101.1 kPa; Humidity: 32%

Communication System: CW

Frequency: 173.4 MHz; Duty Cycle: 1:1

Medium: HSL150 Medium parameters used (interpolated): $f = 173.4$ MHz; $\sigma = 0.737$ mho/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³

- Probe: ET3DV6 - SN1590; ConvF(8.9, 8.9, 8.9); 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

Area Scan (6x20x1): Measurement grid: dx=20mm, dy=20mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.321 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

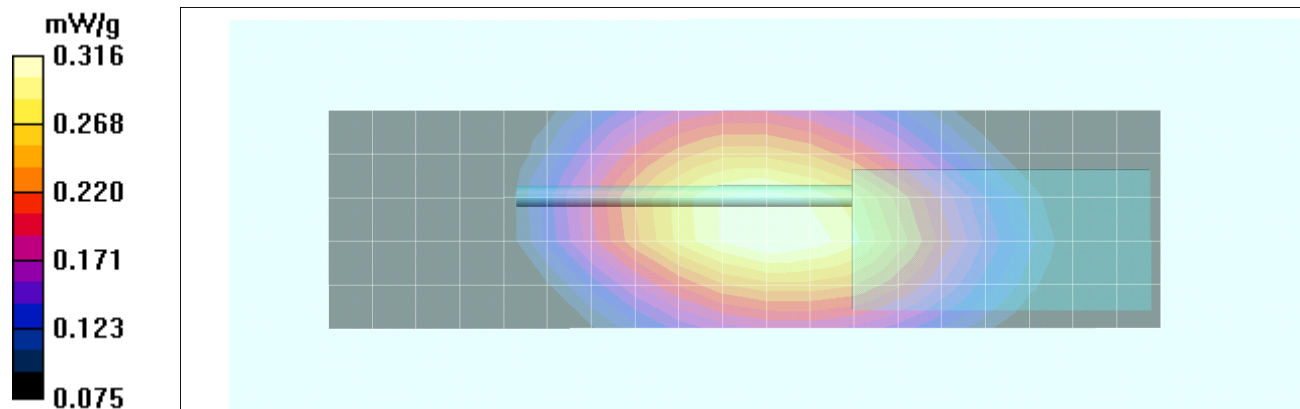
Reference Value = 20.1 V/m; Power Drift = -0.255 dB

Peak SAR (extrapolated) = 0.443 W/kg

SAR(1 g) = 0.306 mW/g; SAR(10 g) = 0.233 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.316 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Face SAR Plot F15

Date Tested: 10/17/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-003

Ambient Temp: 22C; Fluid Temp: 21.6C; Barometric Pressure: 101.1 kPa; Humidity: 32%

Communication System: CW

Frequency: 173.4 MHz; Duty Cycle: 1:1

Medium: HSL150 Medium parameters used (interpolated): $f = 173.4$ MHz; $\sigma = 0.737$ mho/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³

- Probe: ET3DV6 - SN1590; ConvF(8.9, 8.9, 8.9); 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

Area Scan (6x20x1): Measurement grid: dx=20mm, dy=20mm

Info: Interpolated medium parameters used for SAR evaluation.

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

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

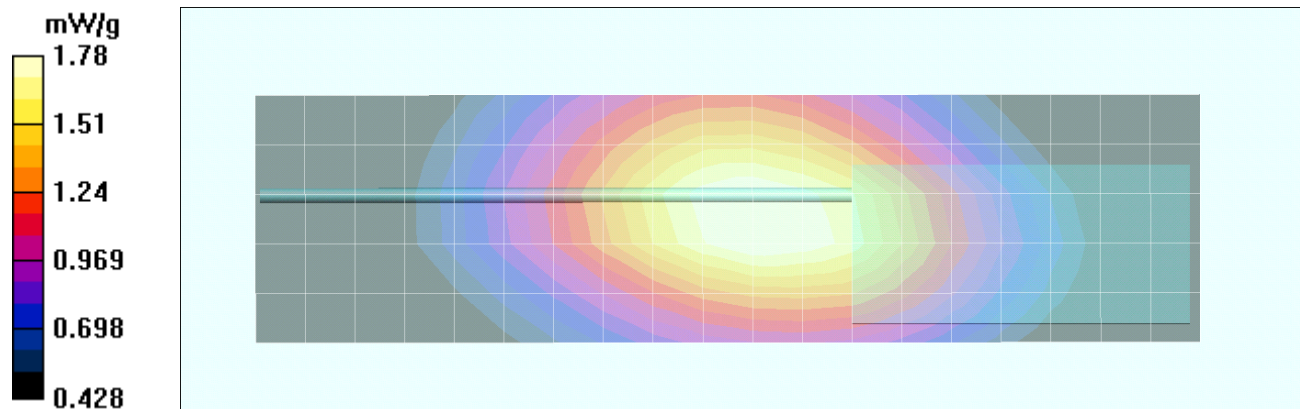
Reference Value = 48.2 V/m; Power Drift = -0.338 dB

Peak SAR (extrapolated) = 2.49 W/kg

SAR(1 g) = 1.72 mW/g; SAR(10 g) = 1.31 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.78 mW/g

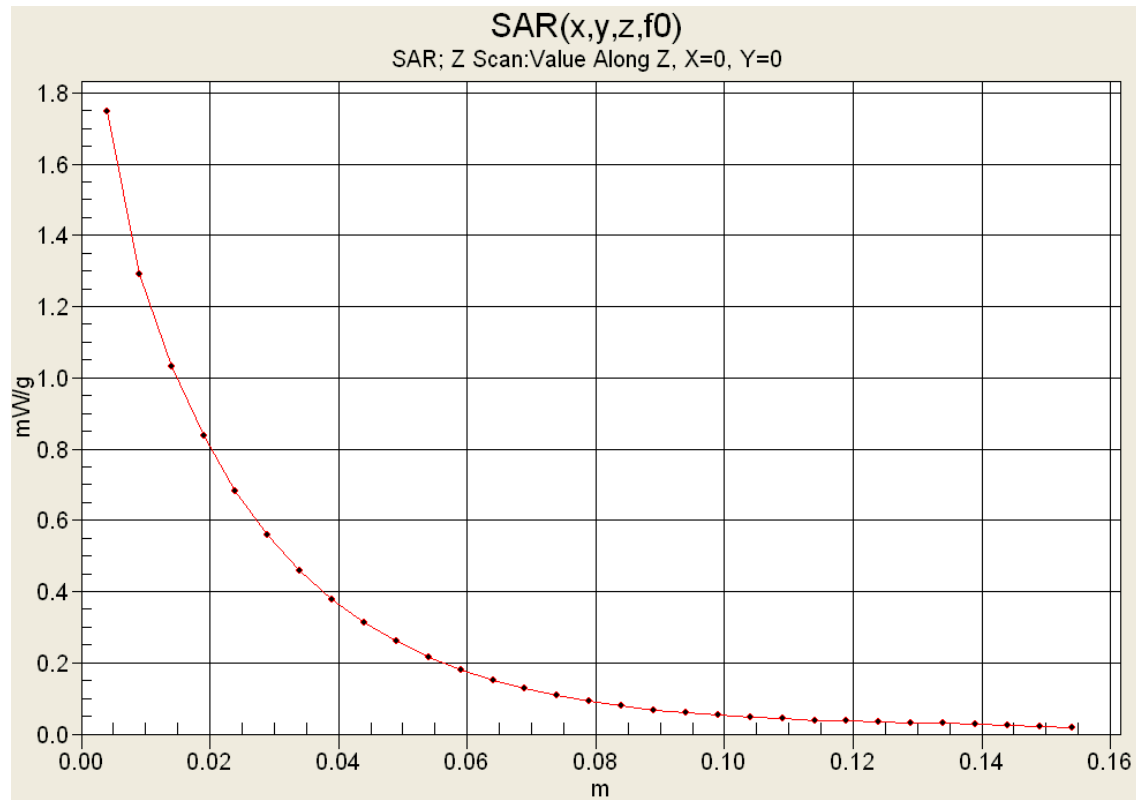


Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> November 10, 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-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B1

Date Tested: 10/13/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-004

Ambient Temp: 22C; Fluid Temp: 21.9C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 144 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 144 \text{ MHz}$; $\sigma = 0.804 \text{ mho/m}$; $\epsilon_r = 62.2$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); 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

Area Scan (6x20x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.97 mW/g

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

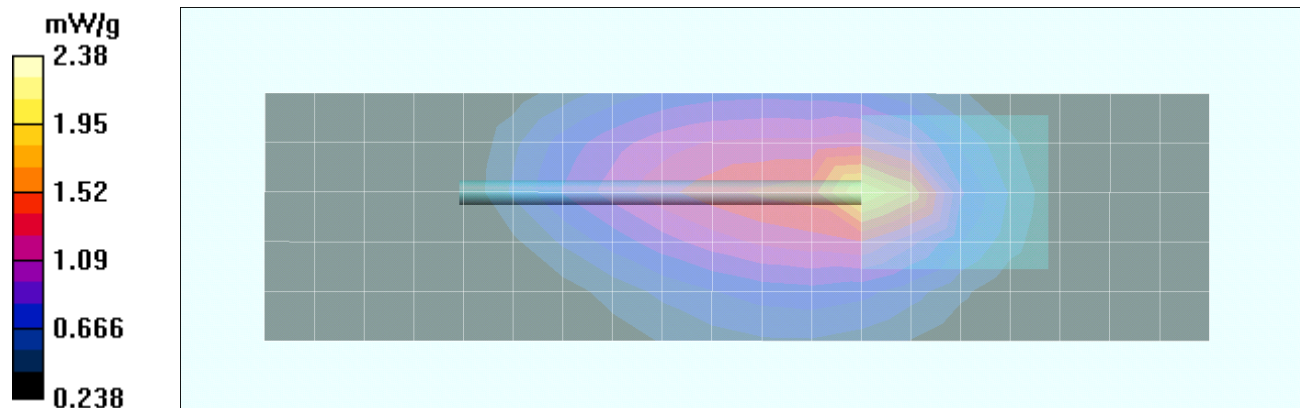
Reference Value = 48.4 V/m; Power Drift = 0.035 dB

Peak SAR (extrapolated) = 6.70 W/kg

SAR(1 g) = 2.3 mW/g; SAR(10 g) = 1.25 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 2.38 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B2

Date Tested: 10/13/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-004

Ambient Temp: 22C; Fluid Temp: 21.9C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 156.4 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 156.4 \text{ MHz}$; $\sigma = 0.816 \text{ mho/m}$; $\epsilon_r = 62.9$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); 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

Area Scan (6x20x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

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

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

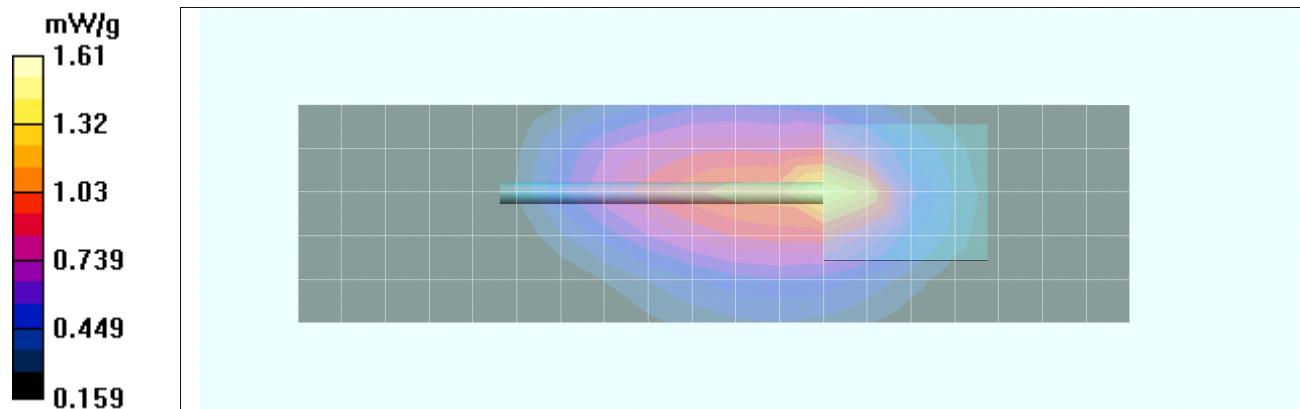
Reference Value = 39.9 V/m; Power Drift = 2.02 dB

Peak SAR (extrapolated) = 4.36 W/kg

SAR(1 g) = 1.55 mW/g; SAR(10 g) = 0.859 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B3

Date Tested: 10/13/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-004

Ambient Temp: 22C; Fluid Temp: 21.9C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 173.4 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 173.4 \text{ MHz}$; $\sigma = 0.827 \text{ mho/m}$; $\epsilon_r = 62.6$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); 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

Area Scan (6x20x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.415 mW/g

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

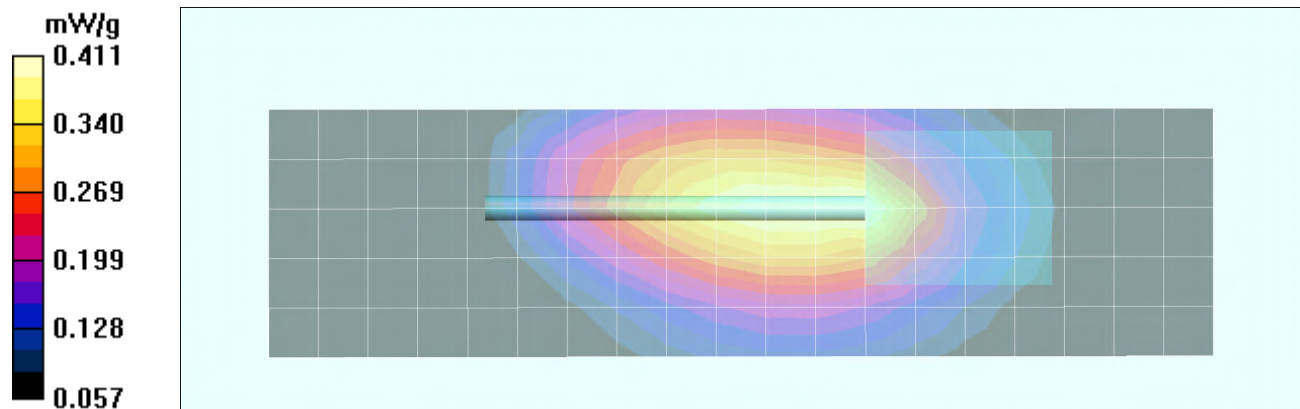
Reference Value = 22.4 V/m; Power Drift = -0.184 dB

Peak SAR (extrapolated) = 0.831 W/kg

SAR(1 g) = 0.399 mW/g; SAR(10 g) = 0.267 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.411 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B4

Date Tested: 10/13/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-004

Ambient Temp: 22C; Fluid Temp: 21.9C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 173.4 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 173.4 \text{ MHz}$; $\sigma = 0.827 \text{ mho/m}$; $\epsilon_r = 62.6$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); 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

Area Scan (6x20x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

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

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

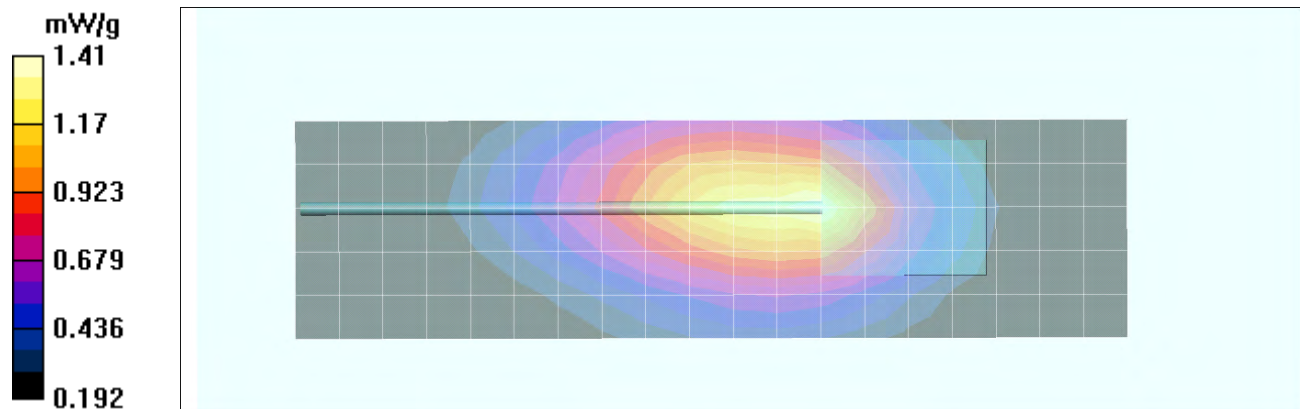
Reference Value = 41.1 V/m; Power Drift = -0.202 dB

Peak SAR (extrapolated) = 2.64 W/kg

SAR(1 g) = 1.35 mW/g; SAR(10 g) = 0.888 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.41 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B5

Date Tested: 10/5/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-004

Ambient Temp: 22C; Fluid Temp: 20.9C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 138 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 138 \text{ MHz}$; $\sigma = 0.76 \text{ mho/m}$; $\epsilon_r = 63.2$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); 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

Area Scan (6x20x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 5.53 mW/g

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

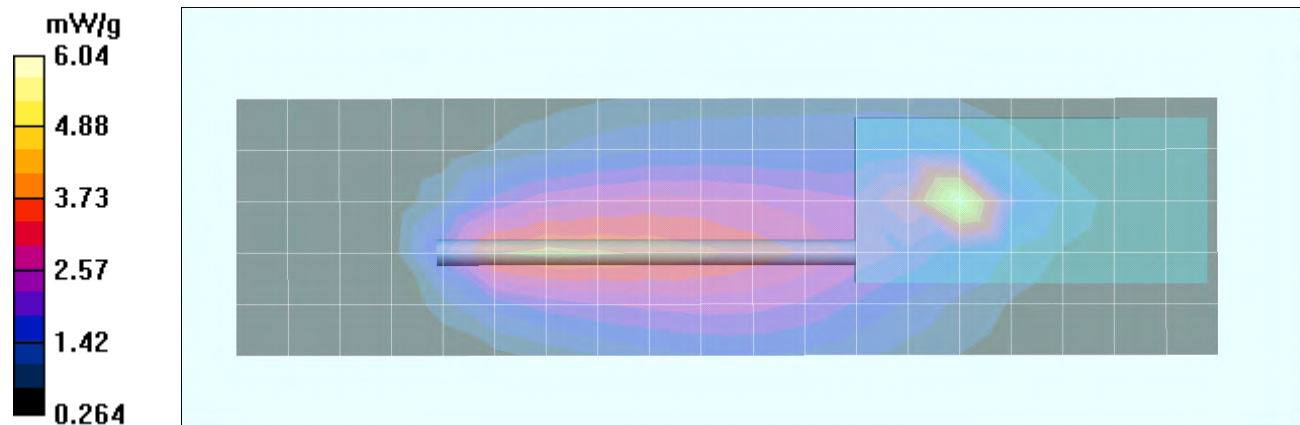
Reference Value = 54.3 V/m; Power Drift = -0.191 dB

Peak SAR (extrapolated) = 24.5 W/kg

SAR(1 g) = 6.06 mW/g; SAR(10 g) = 2.83 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 6.04 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B6

Date Tested: 10/4/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-004

Ambient Temp: 23C; Fluid Temp: 21.2C; Barometric Pressure: 101.1 kPa; Humidity: 36%

Communication System: CW

Frequency: 144 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 144 \text{ MHz}$; $\sigma = 0.764 \text{ mho/m}$; $\epsilon_r = 63.5$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); 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

Area Scan (6x20x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 7.50 mW/g

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

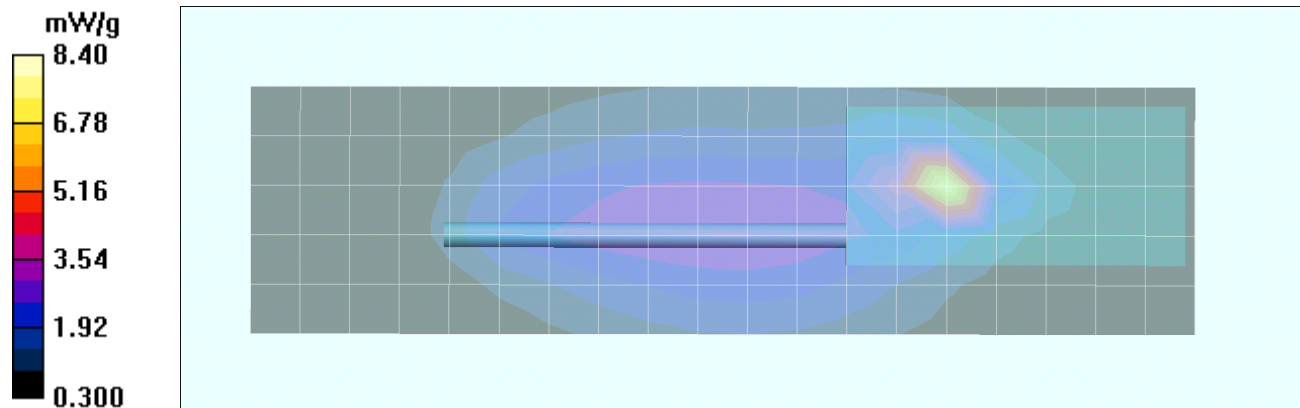
Reference Value = 56.1 V/m; Power Drift = -0.088 dB

Peak SAR (extrapolated) = 37.3 W/kg

SAR(1 g) = 8.65 mW/g; SAR(10 g) = 3.88 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 8.40 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B7

Date Tested: 10/4/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-004

Ambient Temp: 23C; Fluid Temp: 21.2C; Barometric Pressure: 101.1 kPa; Humidity: 36%

Communication System: CW

Frequency: 150.8 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 150.8$ MHz; $\sigma = 0.771$ mho/m; $\epsilon_r = 62.9$; $\rho = 1000$ kg/m³

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); 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

Area Scan (6x20x1): Measurement grid: dx=20mm, dy=20mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 8.85 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

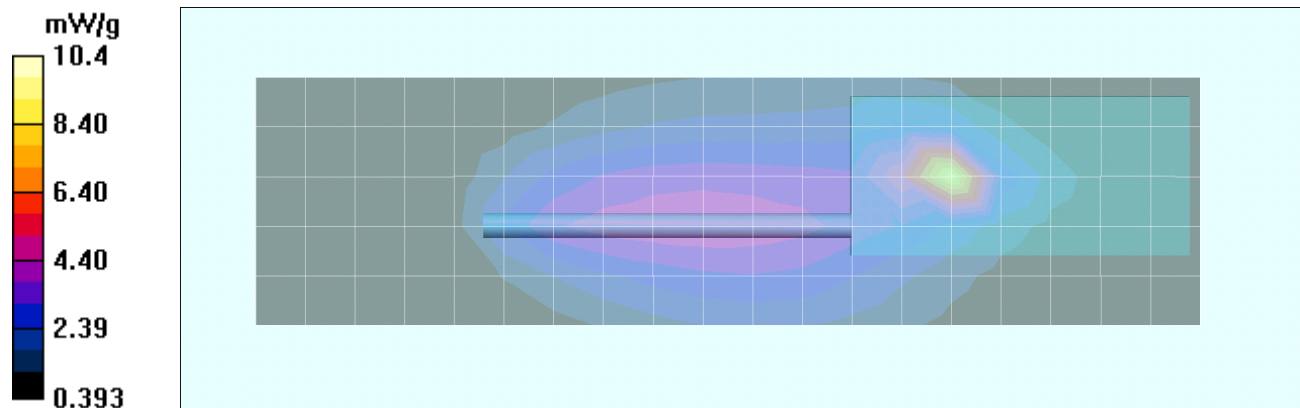
Reference Value = 65.0 V/m; Power Drift = -0.174 dB

Peak SAR (extrapolated) = 47.5 W/kg

SAR(1 g) = 11 mW/g; SAR(10 g) = 4.89 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

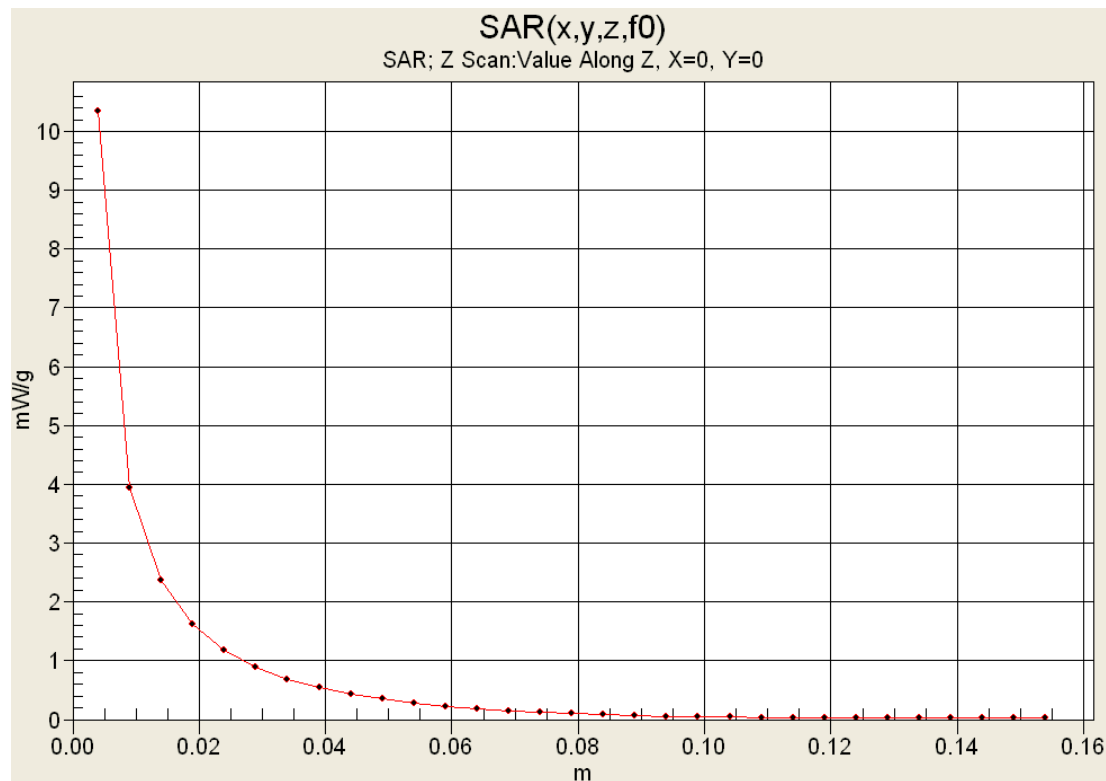
Maximum value of SAR (measured) = 10.4 mW/g



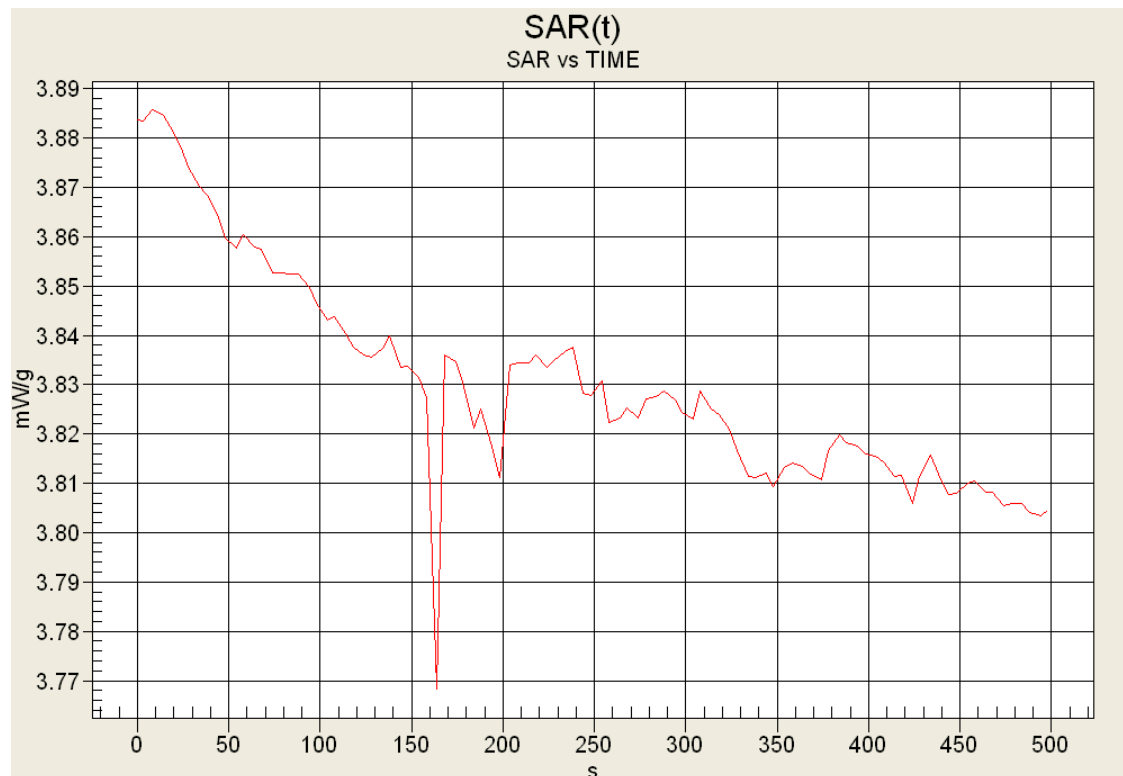
Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Z-Axis Scan



SAR-Versus-Time



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E		IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver		DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> November 10, 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 B8

Date Tested: 10/4/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-004

Ambient Temp: 23C; Fluid Temp: 21.2C; Barometric Pressure: 101.1 kPa; Humidity: 36%

Communication System: CW

Frequency: 156.4 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 156.4$ MHz; $\sigma = 0.776$ mho/m; $\epsilon_r = 62.7$; $\rho = 1000$ kg/m³

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); 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

Area Scan (6x20x1): Measurement grid: dx=20mm, dy=20mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 8.61 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

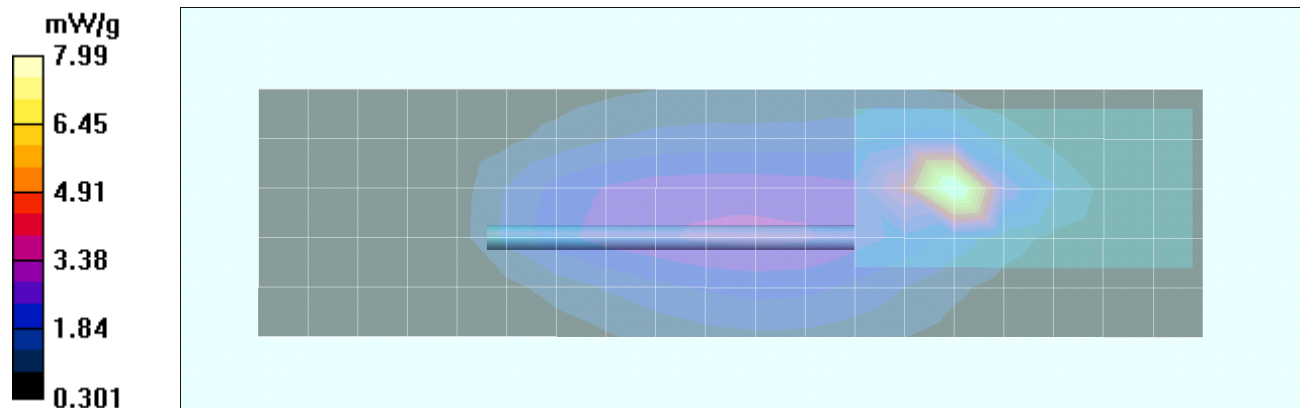
Reference Value = 57.6 V/m; Power Drift = -0.496 dB

Peak SAR (extrapolated) = 42.3 W/kg

SAR(1 g) = 8.77 mW/g; SAR(10 g) = 3.93 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 7.99 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B9

Date Tested: 10/5/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-004

Ambient Temp: 22C; Fluid Temp: 20.9C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 162 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 162 \text{ MHz}$; $\sigma = 0.772 \text{ mho/m}$; $\epsilon_r = 62.6$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); 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

Area Scan (6x20x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 4.50 mW/g

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

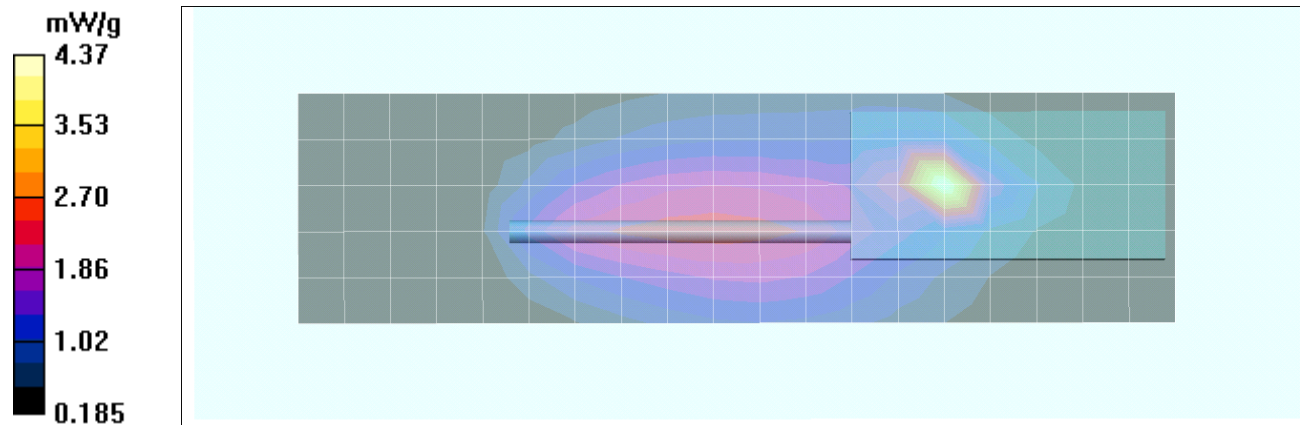
Reference Value = 44.9 V/m; Power Drift = -0.362 dB

Peak SAR (extrapolated) = 19.3 W/kg

SAR(1 g) = 4.53 mW/g; SAR(10 g) = 2.12 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 4.37 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B10

Date Tested: 10/4/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-004

Ambient Temp: 23C; Fluid Temp: 21.2C; Barometric Pressure: 101.1 kPa; Humidity: 36%

Communication System: CW

Frequency: 173.4 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 173.4 \text{ MHz}$; $\sigma = 0.787 \text{ mho/m}$; $\epsilon_r = 64.1$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); 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

Area Scan (6x20x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.415 mW/g

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

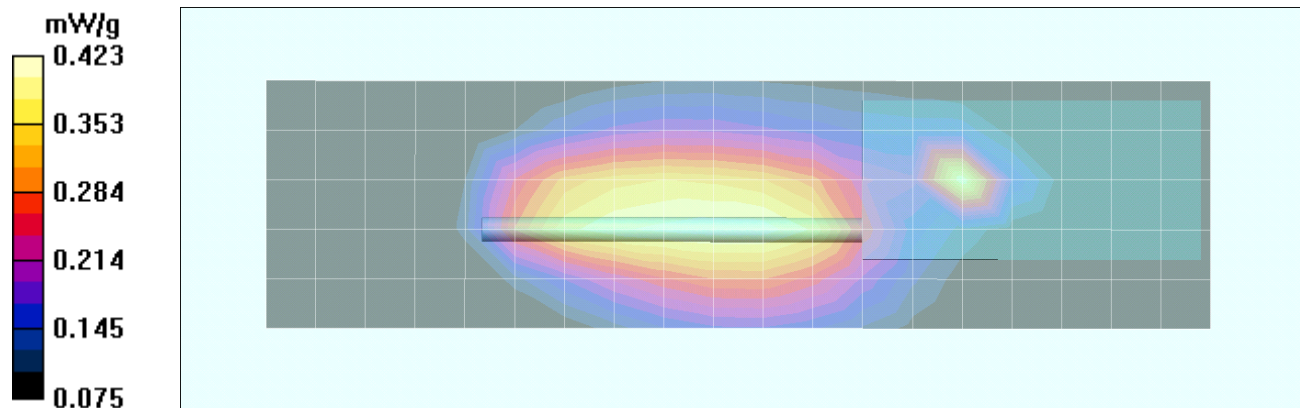
Reference Value = 16.6 V/m; Power Drift = 0.027 dB

Peak SAR (extrapolated) = 0.633 W/kg

SAR(1 g) = 0.405 mW/g; SAR(10 g) = 0.293 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.423 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B11

Date Tested: 10/4/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-004

Ambient Temp: 23C; Fluid Temp: 21.2C; Barometric Pressure: 101.1 kPa; Humidity: 36%

Communication System: CW

Frequency: 173.4 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 173.4 \text{ MHz}$; $\sigma = 0.787 \text{ mho/m}$; $\epsilon_r = 64.1$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); 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

Area Scan (6x20x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.83 mW/g

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

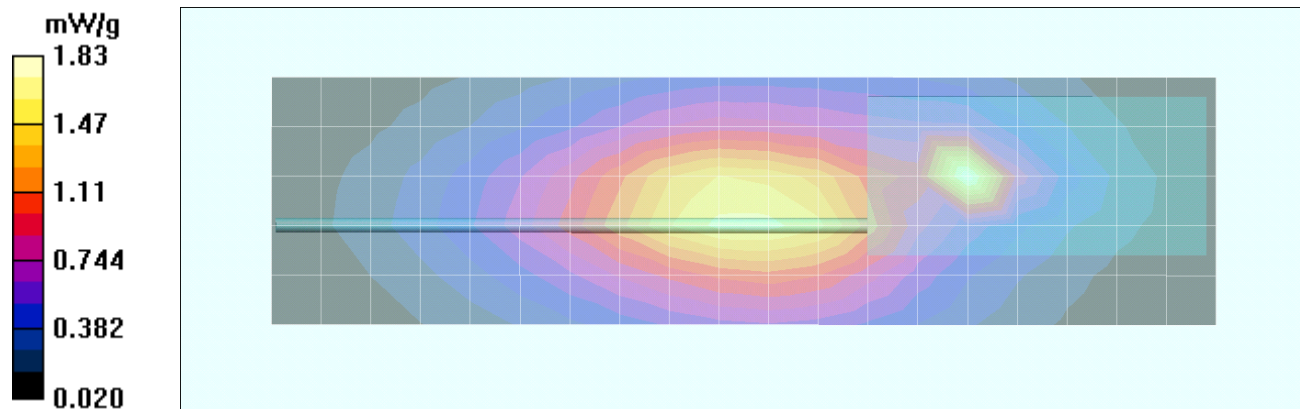
Reference Value = 35.6 V/m; Power Drift = 0.238 dB

Peak SAR (extrapolated) = 9.64 W/kg

SAR(1 g) = 2.26 mW/g; SAR(10 g) = 1.08 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 2.09 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B12

Date Tested: 10/5/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-004

Ambient Temp: 22C; Fluid Temp: 20.9C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 144 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 144 \text{ MHz}$; $\sigma = 0.764 \text{ mho/m}$; $\epsilon_r = 64$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); 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

Area Scan (6x20x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 3.22 mW/g

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

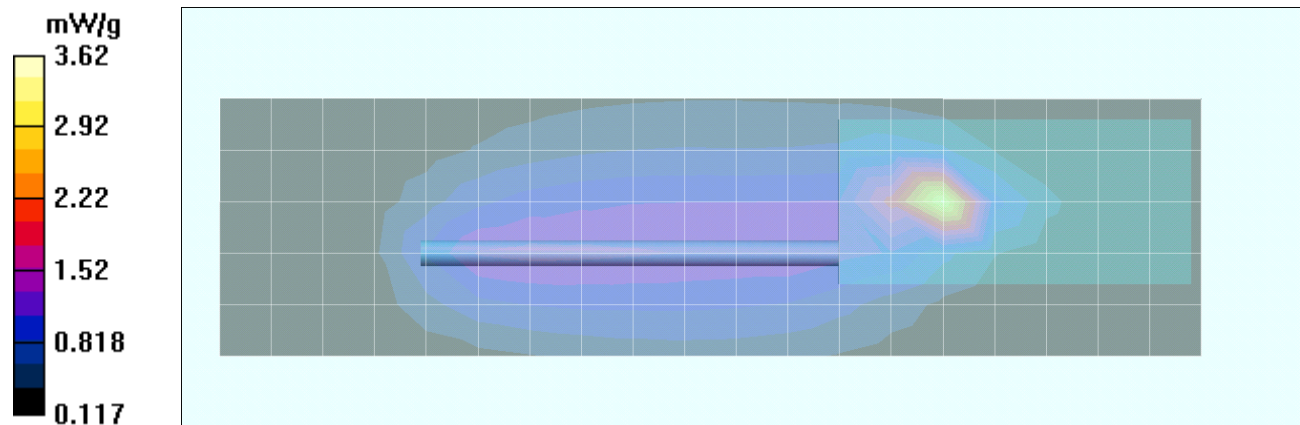
Reference Value = 35.5 V/m; Power Drift = 0.398 dB

Peak SAR (extrapolated) = 15.9 W/kg

SAR(1 g) = 3.67 mW/g; SAR(10 g) = 1.64 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 3.62 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B13

Date Tested: 10/5/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-004

Ambient Temp: 22C; Fluid Temp: 20.9C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 144 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 144 \text{ MHz}$; $\sigma = 0.764 \text{ mho/m}$; $\epsilon_r = 64$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); 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

Area Scan (6x20x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.47 mW/g

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

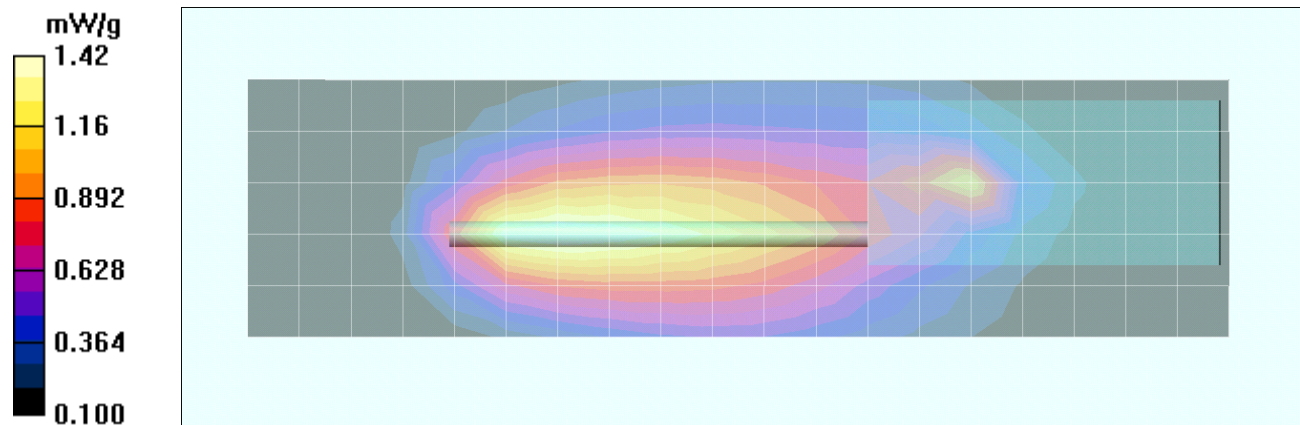
Reference Value = 31.4 V/m; Power Drift = -0.459 dB

Peak SAR (extrapolated) = 3.47 W/kg

SAR(1 g) = 1.42 mW/g; SAR(10 g) = 0.870 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.42 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B14

Date Tested: 10/5/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-004

Ambient Temp: 22C; Fluid Temp: 20.9C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 144 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 144 \text{ MHz}$; $\sigma = 0.764 \text{ mho/m}$; $\epsilon_r = 64$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); 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

Area Scan (6x20x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.33 mW/g

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

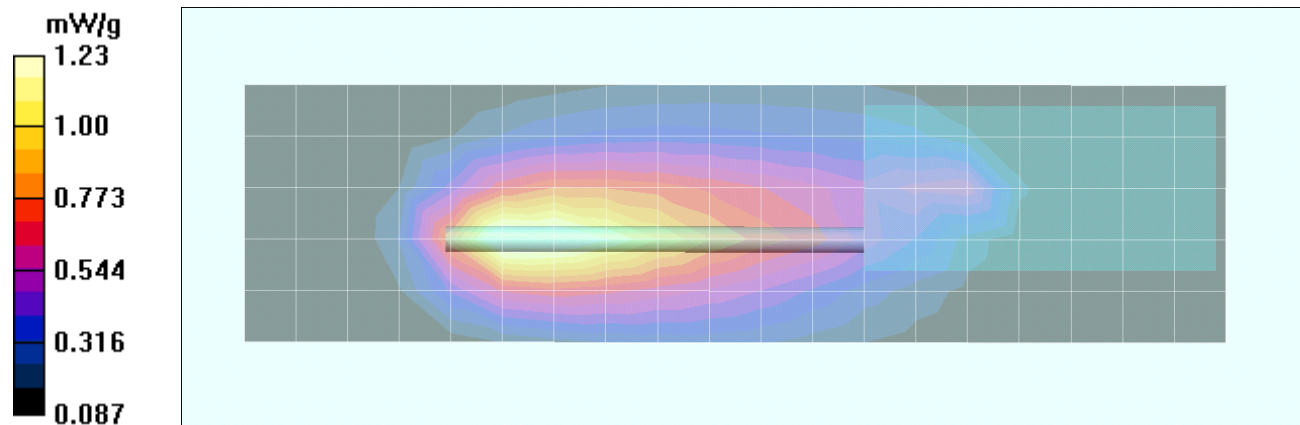
Reference Value = 27.5 V/m; Power Drift = -0.807 dB

Peak SAR (extrapolated) = 3.43 W/kg

SAR(1 g) = 1.26 mW/g; SAR(10 g) = 0.756 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B15

Date Tested: 10/5/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-004

Ambient Temp: 22C; Fluid Temp: 20.9C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 150.8 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 150.8 \text{ MHz}$; $\sigma = 0.77 \text{ mho/m}$; $\epsilon_r = 64.6$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); 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

Area Scan (6x20x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 9.38 mW/g

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

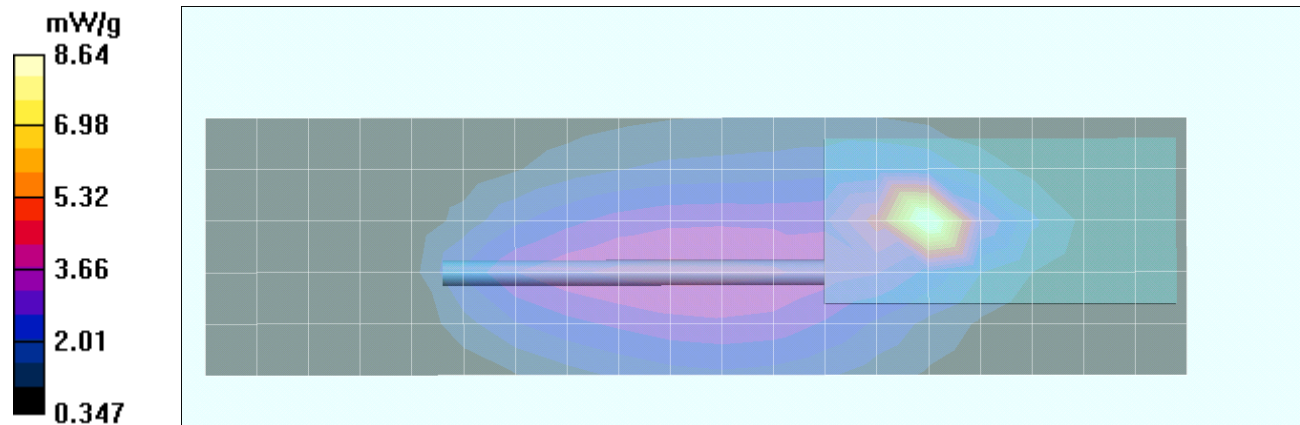
Reference Value = 63.4 V/m; Power Drift = -0.393 dB

Peak SAR (extrapolated) = 33.9 W/kg

SAR(1 g) = 8.62 mW/g; SAR(10 g) = 4.13 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 8.64 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B16

Date Tested: 10/5/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-004

Ambient Temp: 22C; Fluid Temp: 20.9C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 150.8 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 150.8 \text{ MHz}$; $\sigma = 0.77 \text{ mho/m}$; $\epsilon_r = 64.6$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); 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

Area Scan (6x20x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 8.04 mW/g

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

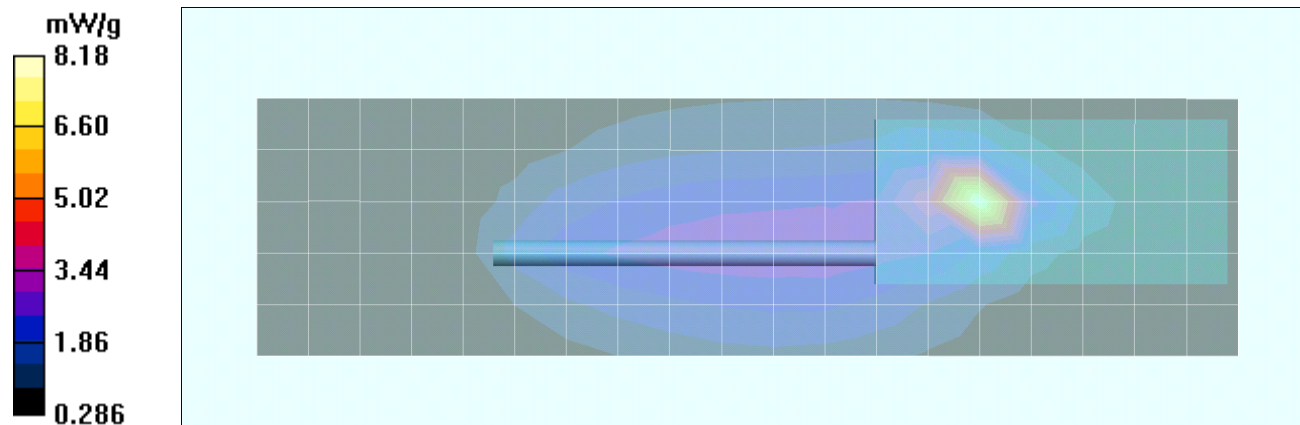
Reference Value = 55.5 V/m; Power Drift = 0.018 dB

Peak SAR (extrapolated) = 34.6 W/kg

SAR(1 g) = 8.39 mW/g; SAR(10 g) = 3.82 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 8.18 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B17

Date Tested: 10/5/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-004

Ambient Temp: 22C; Fluid Temp: 20.9C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 150.8 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 150.8 \text{ MHz}$; $\sigma = 0.77 \text{ mho/m}$; $\epsilon_r = 64.6$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); 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

Area Scan (6x20x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 9.31 mW/g

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

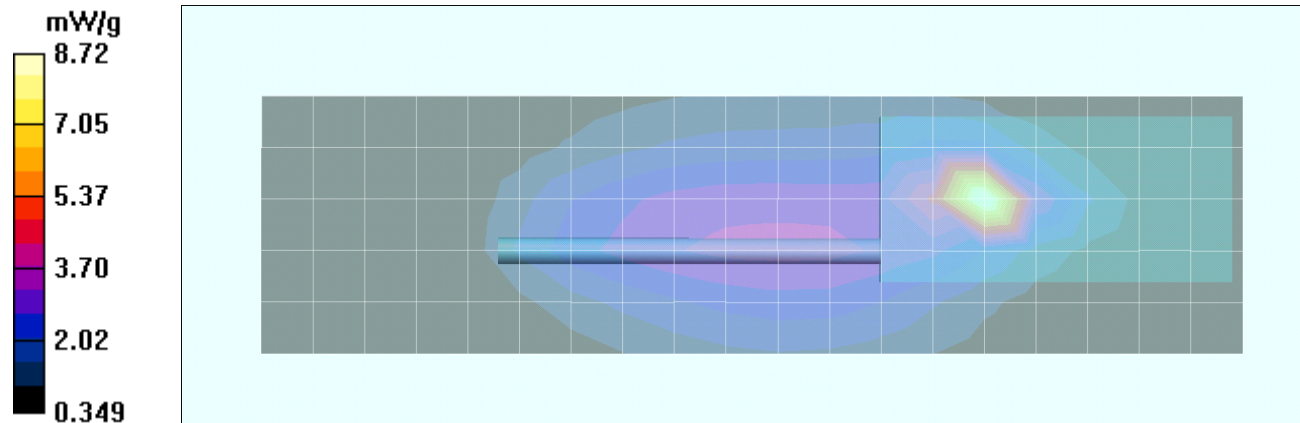
Reference Value = 60.3 V/m; Power Drift = 0.057 dB

Peak SAR (extrapolated) = 41.7 W/kg

SAR(1 g) = 9.25 mW/g; SAR(10 g) = 4.28 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

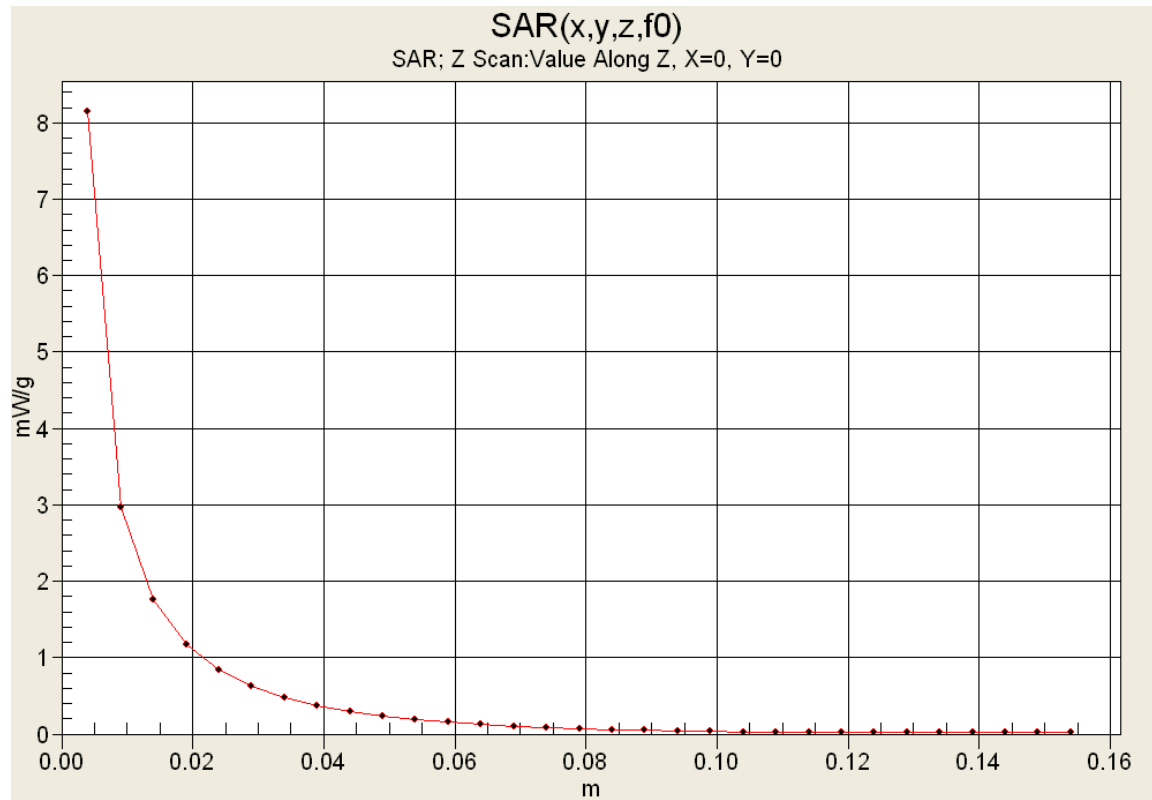
Maximum value of SAR (measured) = 8.72 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 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-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver		DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz	
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B18

Date Tested: 10/5/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-004

Ambient Temp: 22C; Fluid Temp: 20.9C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 173.4 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 173.4 \text{ MHz}$; $\sigma = 0.783 \text{ mho/m}$; $\epsilon_r = 64.2$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); 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

Area Scan (6x20x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 3.53 mW/g

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

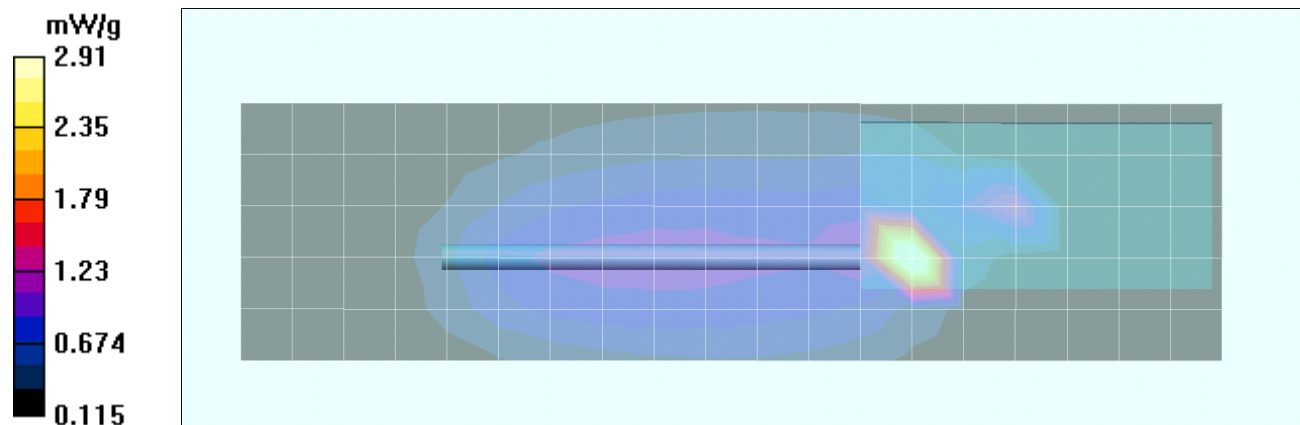
Reference Value = 31.2 V/m; Power Drift = -0.084 dB

Peak SAR (extrapolated) = 4.84 W/kg

SAR(1 g) = 1.96 mW/g; SAR(10 g) = 0.861 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 2.91 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B19

Date Tested: 10/5/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-004

Ambient Temp: 22C; Fluid Temp: 20.9C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 156.4 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 156.4 \text{ MHz}$; $\sigma = 0.77 \text{ mho/m}$; $\epsilon_r = 63.2$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); 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

Area Scan (6x20x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 22.7 mW/g

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

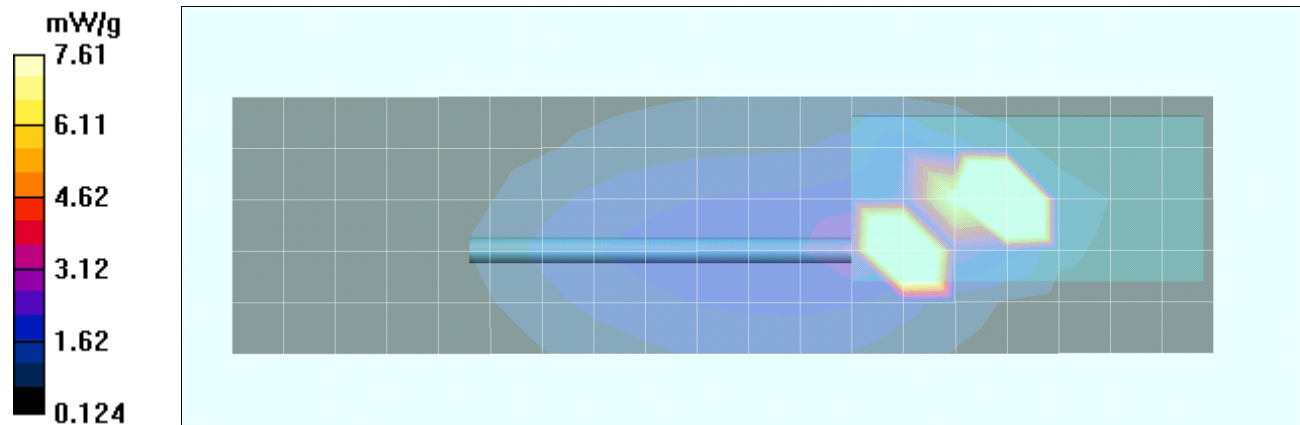
Reference Value = 47.0 V/m; Power Drift = -0.121 dB

Peak SAR (extrapolated) = 14.3 W/kg

SAR(1 g) = 5.37 mW/g; SAR(10 g) = 1.97 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 7.61 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B20

Date Tested: 10/5/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-004

Ambient Temp: 22C; Fluid Temp: 20.9C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 173.4 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 173.4$ MHz; $\sigma = 0.783$ mho/m; $\epsilon_r = 64.2$; $\rho = 1000$ kg/m³

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); 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

Area Scan (6x20x1): Measurement grid: dx=20mm, dy=20mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.448 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

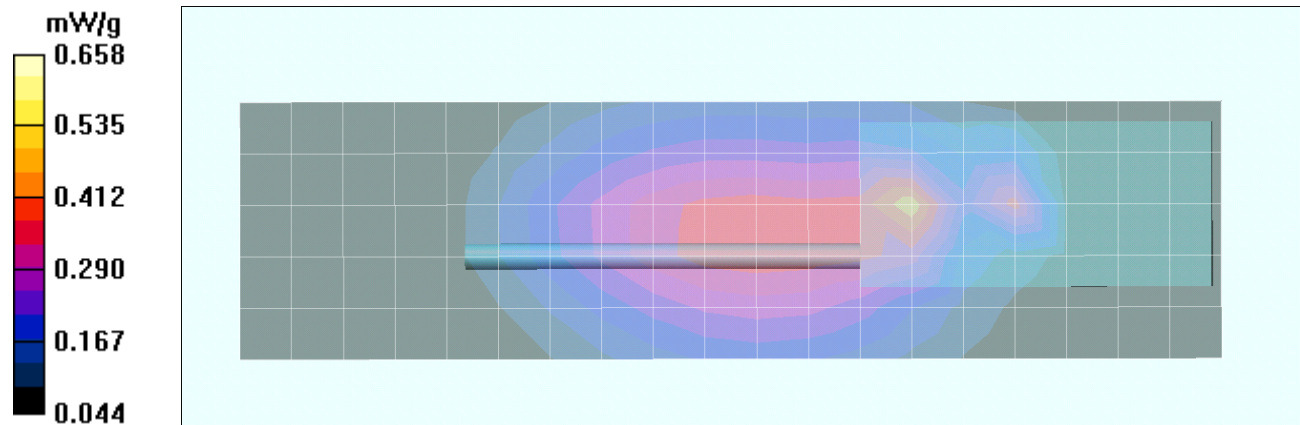
Reference Value = 20.7 V/m; Power Drift = -0.192 dB

Peak SAR (extrapolated) = 2.23 W/kg

SAR(1 g) = 0.579 mW/g; SAR(10 g) = 0.281 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.658 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B21

Date Tested: 10/5/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-004

Ambient Temp: 22C; Fluid Temp: 20.9C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 173.4 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 173.4 \text{ MHz}$; $\sigma = 0.783 \text{ mho/m}$; $\epsilon_r = 64.2$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); 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

Area Scan (6x20x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

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

Zoom Scan (5x5x7)/Cube 1: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

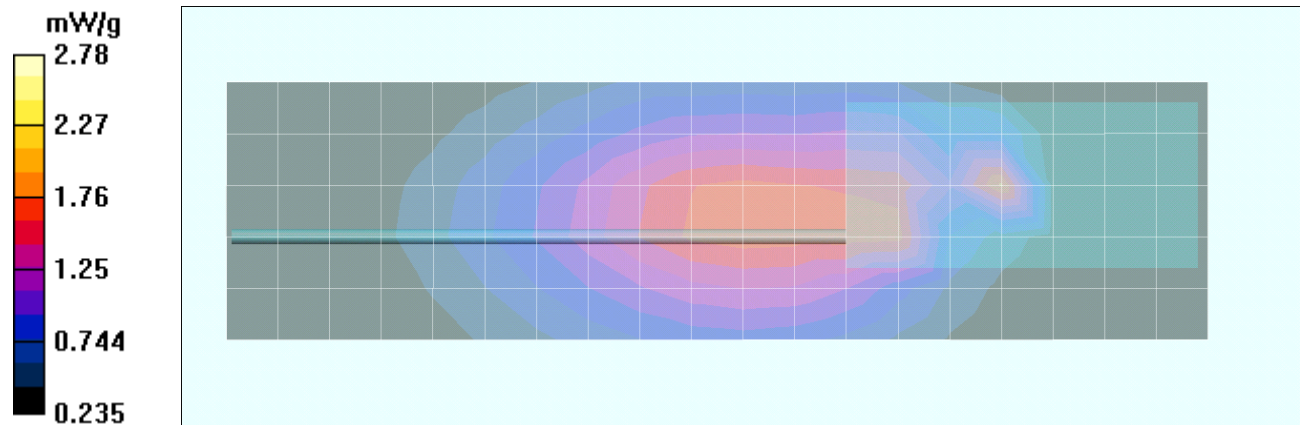
Reference Value = 44.5 V/m; Power Drift = -0.195 dB

Peak SAR (extrapolated) = 13.3 W/kg

SAR(1 g) = 3.01 mW/g; SAR(10 g) = 1.41 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 2.78 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B22

Date Tested: 10/5/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-004

Ambient Temp: 22C; Fluid Temp: 20.9C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 156.4 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 156.4$ MHz; $\sigma = 0.77$ mho/m; $\epsilon_r = 63.2$; $\rho = 1000$ kg/m³

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); 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

Area Scan (6x20x1): Measurement grid: dx=20mm, dy=20mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 8.48 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

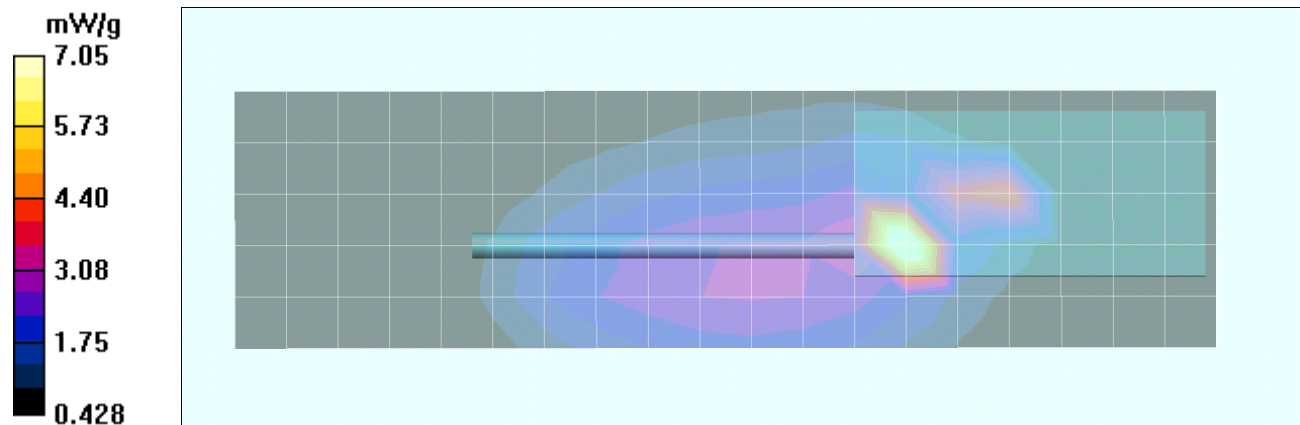
Reference Value = 53.8 V/m; Power Drift = -0.123 dB

Peak SAR (extrapolated) = 26.8 W/kg

SAR(1 g) = 5.79 mW/g; SAR(10 g) = 2.56 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 7.05 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B23

Date Tested: 10/5/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-004

Ambient Temp: 22C; Fluid Temp: 20.9C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 156.4 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 156.4 \text{ MHz}$; $\sigma = 0.77 \text{ mho/m}$; $\epsilon_r = 63.2$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); 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

Area Scan (6x20x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 12.7 mW/g

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

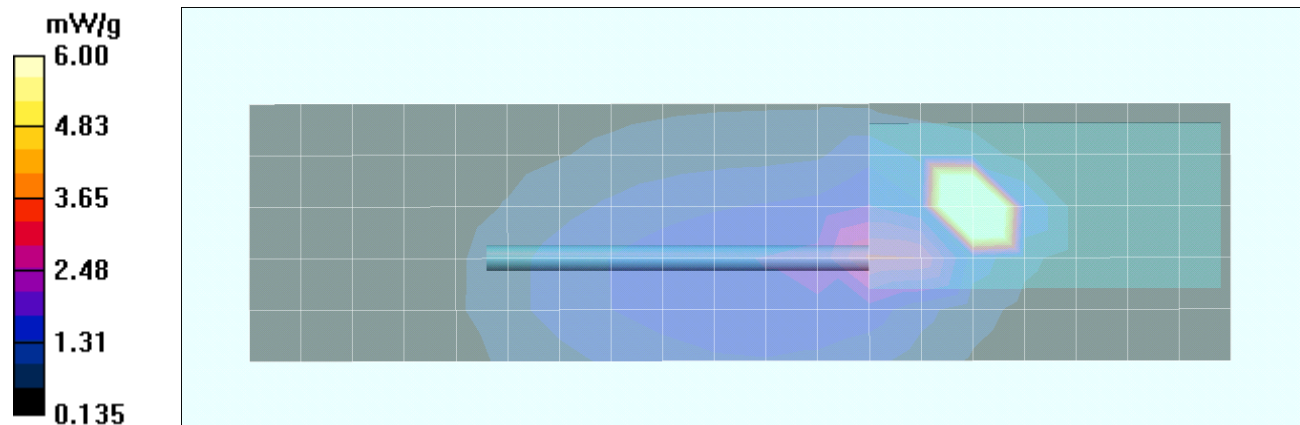
Reference Value = 45.2 V/m; Power Drift = -0.105 dB

Peak SAR (extrapolated) = 11.2 W/kg

SAR(1 g) = 4.34 mW/g; SAR(10 g) = 1.7 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 6.00 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B24

Date Tested: 10/5/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-004

Ambient Temp: 22C; Fluid Temp: 20.9C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 156.4 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 156.4 \text{ MHz}$; $\sigma = 0.77 \text{ mho/m}$; $\epsilon_r = 63.2$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); 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

Area Scan (6x20x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 6.88 mW/g

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

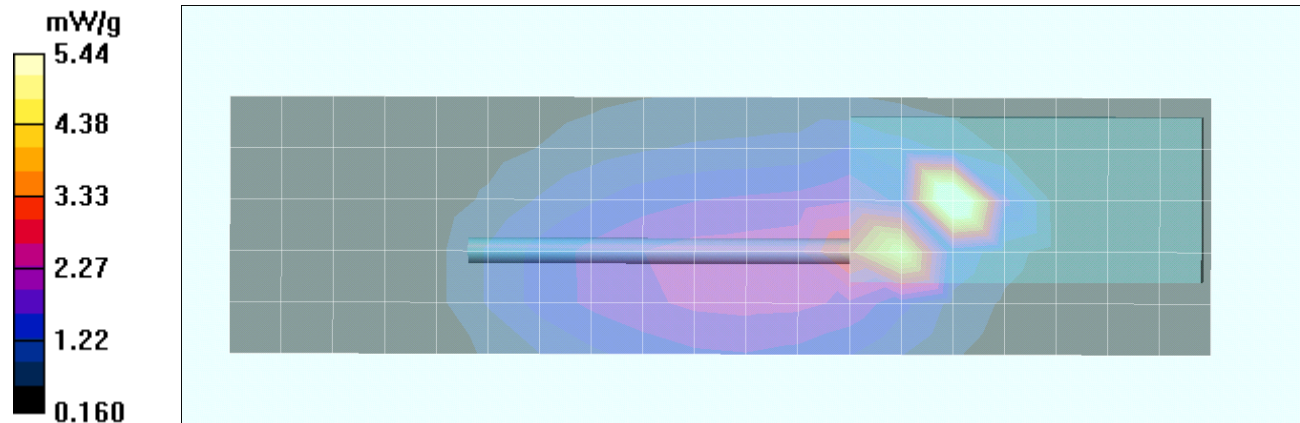
Reference Value = 48.8 V/m; Power Drift = -0.184 dB

Peak SAR (extrapolated) = 11.7 W/kg

SAR(1 g) = 4.61 mW/g; SAR(10 g) = 1.83 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 5.44 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B25

Date Tested: 10/5/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-004

Ambient Temp: 22C; Fluid Temp: 20.9C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 144 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 144 \text{ MHz}$; $\sigma = 0.764 \text{ mho/m}$; $\epsilon_r = 64$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); 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

Area Scan (6x20x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.707 mW/g

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

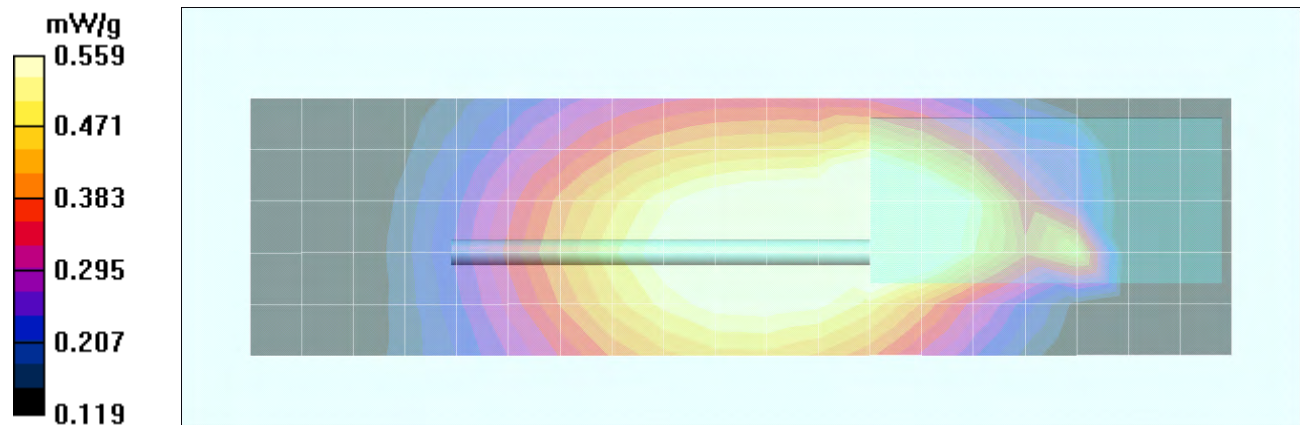
Reference Value = 26.4 V/m; Power Drift = -0.035 dB

Peak SAR (extrapolated) = 0.829 W/kg

SAR(1 g) = 0.542 mW/g; SAR(10 g) = 0.409 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.559 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> November 10, 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 B26

Date Tested: 10/5/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-004

Ambient Temp: 22C; Fluid Temp: 20.9C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 156.4 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 156.4 \text{ MHz}$; $\sigma = 0.77 \text{ mho/m}$; $\epsilon_r = 63.2$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); 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

Area Scan (6x20x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.867 mW/g

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

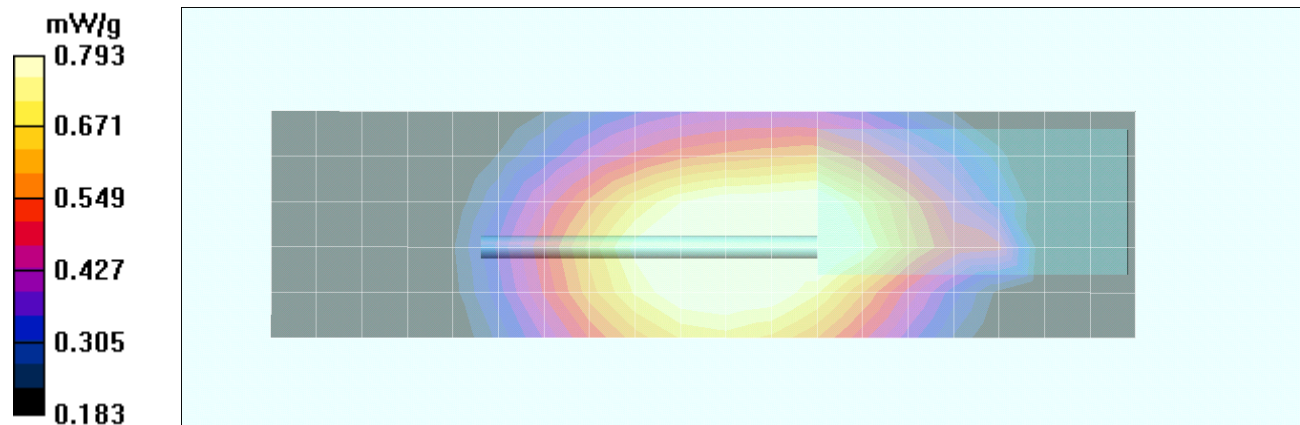
Reference Value = 30.3 V/m; Power Drift = -0.124 dB

Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.765 mW/g; SAR(10 g) = 0.587 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.793 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B27

Date Tested: 10/5/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-004

Ambient Temp: 22C; Fluid Temp: 20.9C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 173.4 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 173.4$ MHz; $\sigma = 0.783$ mho/m; $\epsilon_r = 64.2$; $\rho = 1000$ kg/m³

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); 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

Area Scan (6x20x1): Measurement grid: dx=20mm, dy=20mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.299 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

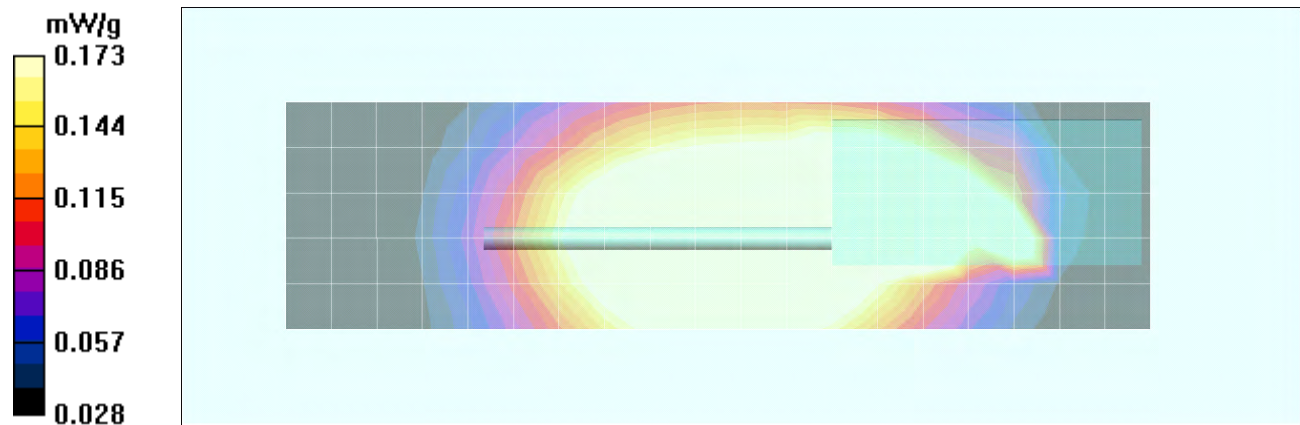
Reference Value = 15.7 V/m; Power Drift = -0.189 dB

Peak SAR (extrapolated) = 0.252 W/kg

SAR(1 g) = 0.159 mW/g; SAR(10 g) = 0.114 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.173 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B28

Date Tested: 10/6/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-004

Ambient Temp: 22C; Fluid Temp: 20.9C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 173.4 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 173.4 \text{ MHz}$; $\sigma = 0.783 \text{ mho/m}$; $\epsilon_r = 64.2$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); 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

Area Scan (6x20x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

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

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

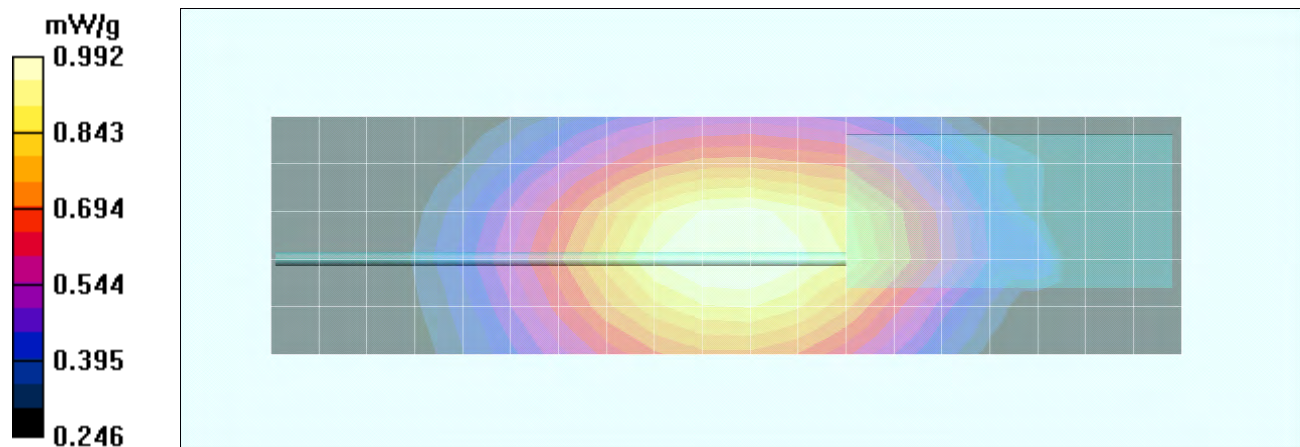
Reference Value = 33.4 V/m; Power Drift = -0.278 dB

Peak SAR (extrapolated) = 1.37 W/kg

SAR(1 g) = 0.963 mW/g; SAR(10 g) = 0.742 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B29

Date Tested: 10/6/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-004

Ambient Temp: 22C; Fluid Temp: 20.9C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 173.4 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 173.4 \text{ MHz}$; $\sigma = 0.783 \text{ mho/m}$; $\epsilon_r = 64.2$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); 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

Area Scan (6x20x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.863 mW/g

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

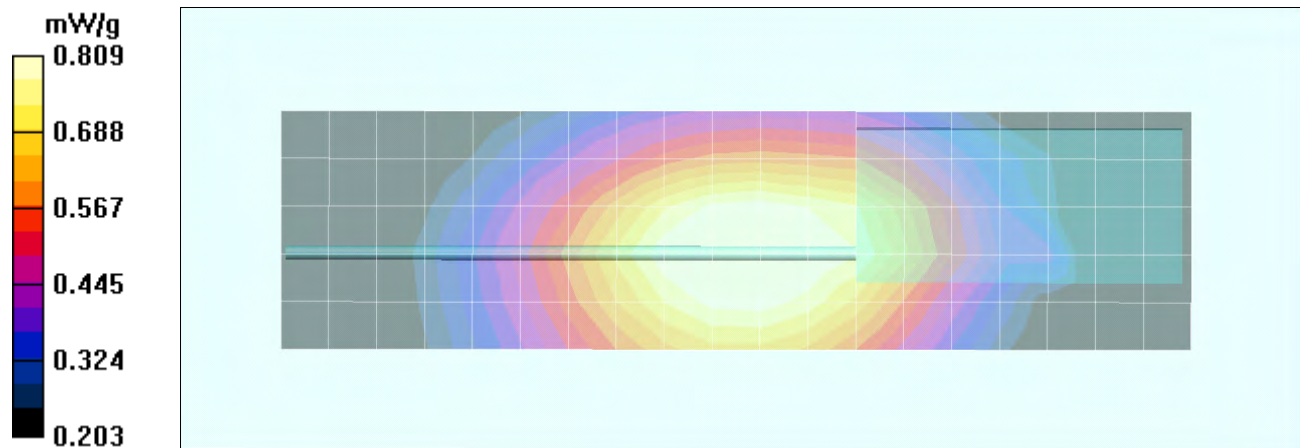
Reference Value = 31.8 V/m; Power Drift = -0.716 dB

Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.782 mW/g; SAR(10 g) = 0.605 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.809 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B30

Date Tested: 10/6/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-004

Ambient Temp: 22C; Fluid Temp: 20.9C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 173.4 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 173.4$ MHz; $\sigma = 0.783$ mho/m; $\epsilon_r = 64.2$; $\rho = 1000$ kg/m³

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); 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

Area Scan (6x20x1): Measurement grid: dx=20mm, dy=20mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.741 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

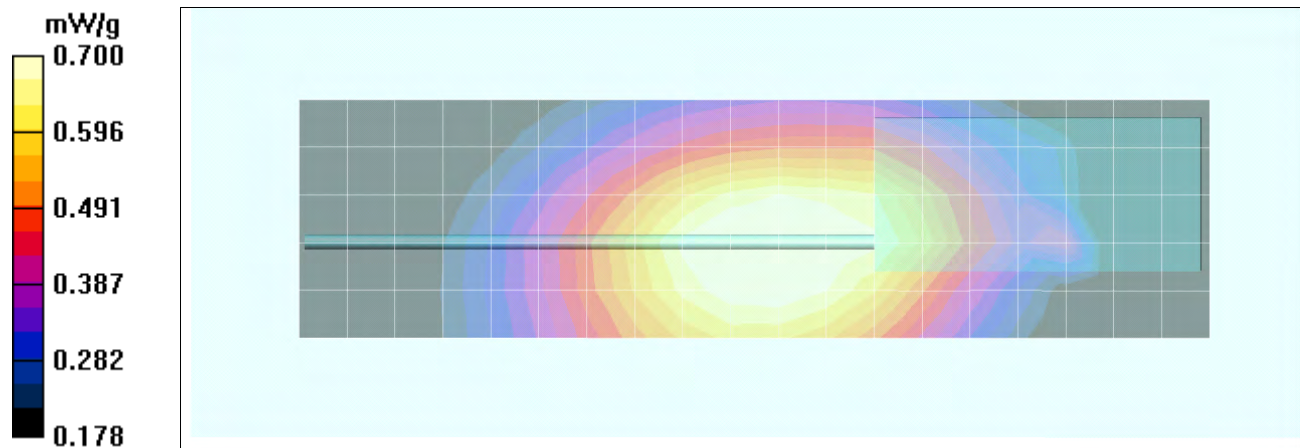
Reference Value = 28.6 V/m; Power Drift = -0.221 dB

Peak SAR (extrapolated) = 0.965 W/kg

SAR(1 g) = 0.679 mW/g; SAR(10 g) = 0.526 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.700 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B31

Date Tested: 10/6/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-004

Ambient Temp: 22C; Fluid Temp: 20.9C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 173.4 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 173.4$ MHz; $\sigma = 0.783$ mho/m; $\epsilon_r = 64.2$; $\rho = 1000$ kg/m³

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); 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

Area Scan (6x20x1): Measurement grid: dx=20mm, dy=20mm

Info: Interpolated medium parameters used for SAR evaluation.

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

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

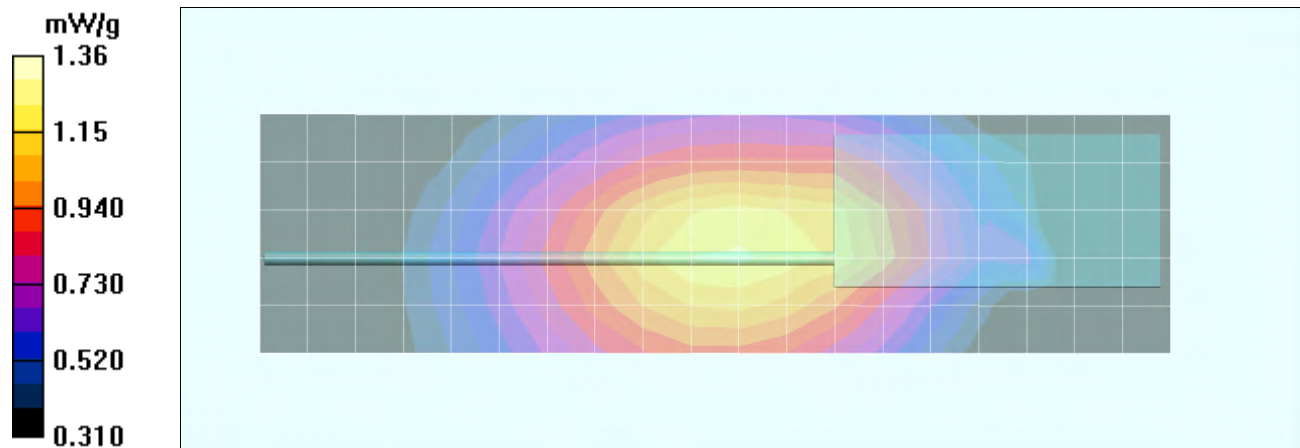
Reference Value = 37.8 V/m; Power Drift = -0.141 dB

Peak SAR (extrapolated) = 1.88 W/kg

SAR(1 g) = 1.29 mW/g; SAR(10 g) = 0.957 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

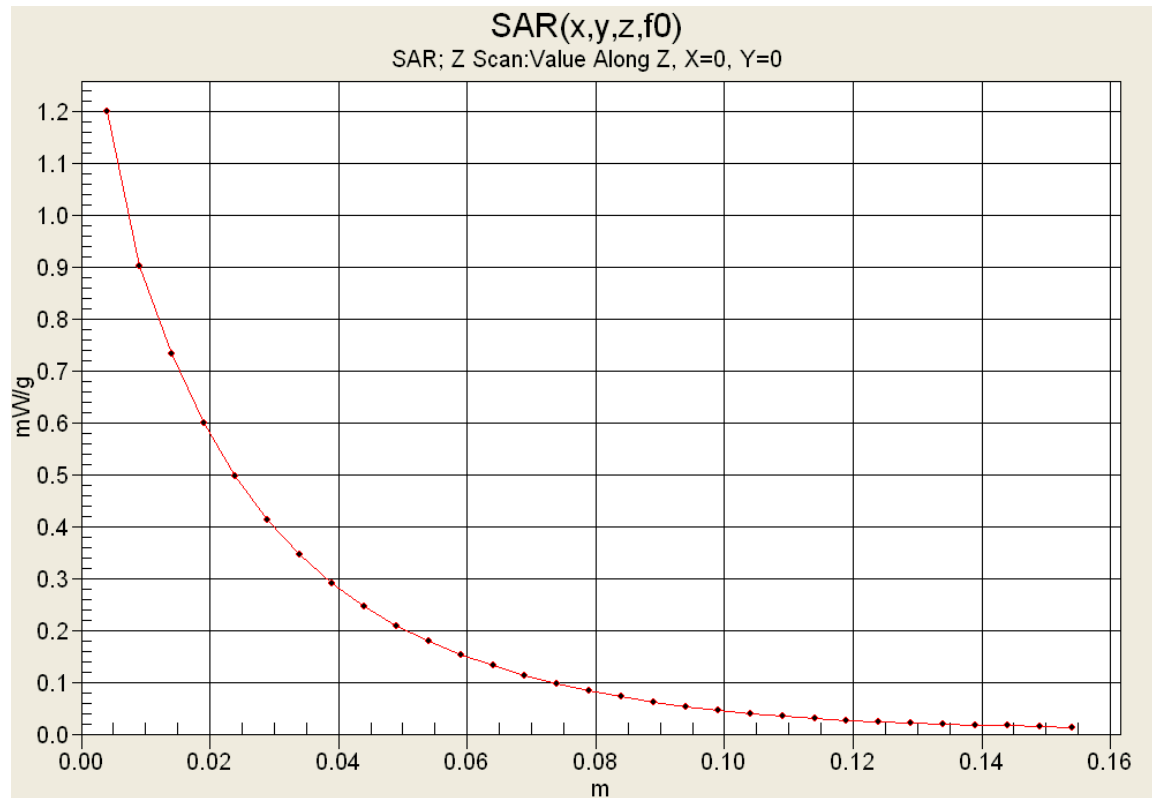
Maximum value of SAR (measured) = 1.36 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 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-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B32

Date Tested: 10/6/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-004

Ambient Temp: 22C; Fluid Temp: 20.9C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 144 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 144 \text{ MHz}$; $\sigma = 0.764 \text{ mho/m}$; $\epsilon_r = 64$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); 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

Area Scan (6x20x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.324 mW/g

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

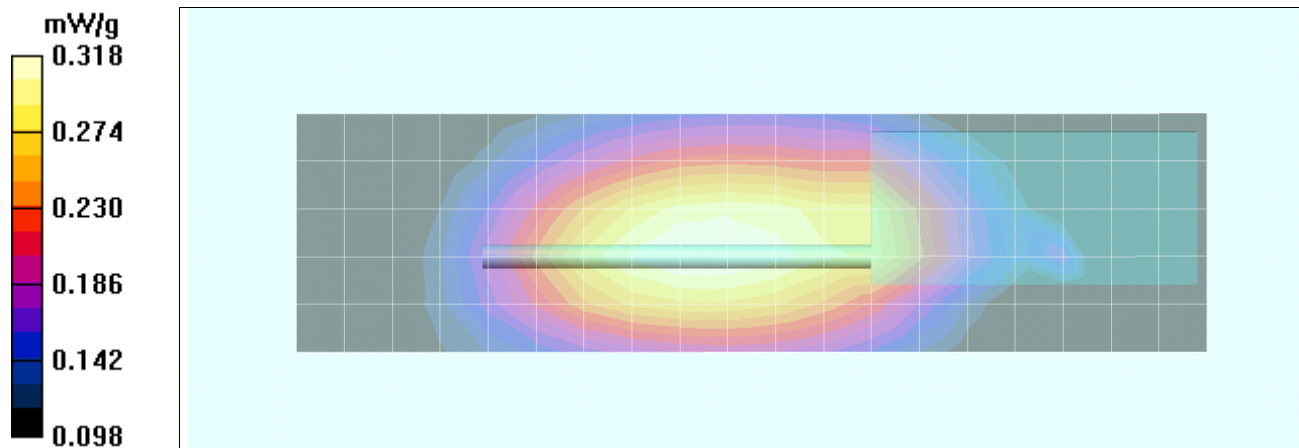
Reference Value = 18.7 V/m; Power Drift = -0.093 dB

Peak SAR (extrapolated) = 0.473 W/kg

SAR(1 g) = 0.310 mW/g; SAR(10 g) = 0.242 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.318 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> November 10, 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 B33

Date Tested: 10/6/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-004

Ambient Temp: 22C; Fluid Temp: 20.9C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 156.4 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 156.4$ MHz; $\sigma = 0.77$ mho/m; $\epsilon_r = 63.2$; $\rho = 1000$ kg/m³

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); 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

Area Scan (6x20x1): Measurement grid: dx=20mm, dy=20mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.670 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

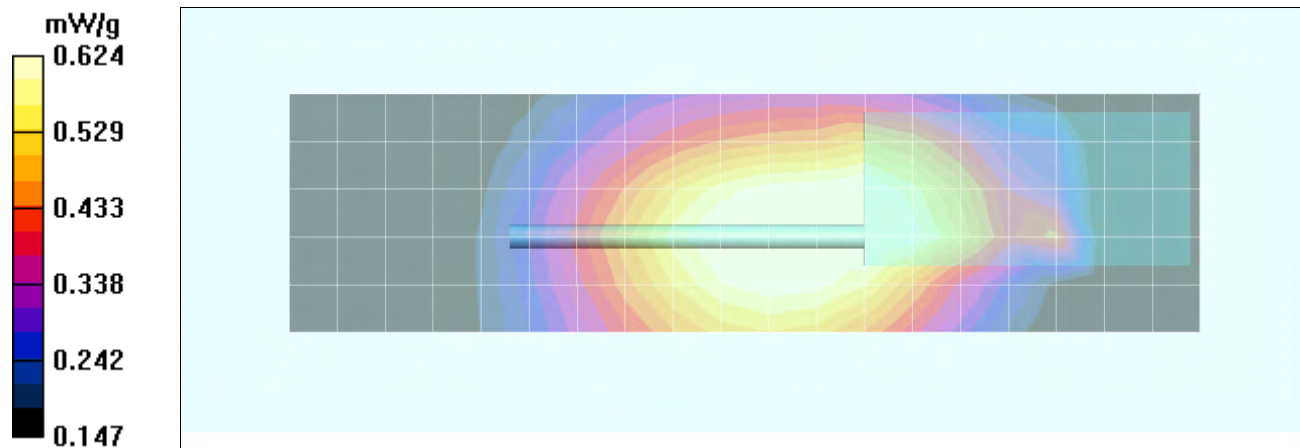
Reference Value = 28.2 V/m; Power Drift = -0.237 dB

Peak SAR (extrapolated) = 0.921 W/kg

SAR(1 g) = 0.606 mW/g; SAR(10 g) = 0.467 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.624 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B34

Date Tested: 10/6/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-004

Ambient Temp: 22C; Fluid Temp: 20.9C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 173.4 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 173.4 \text{ MHz}$; $\sigma = 0.783 \text{ mho/m}$; $\epsilon_r = 64.2$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); 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

Area Scan (6x20x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.235 mW/g

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

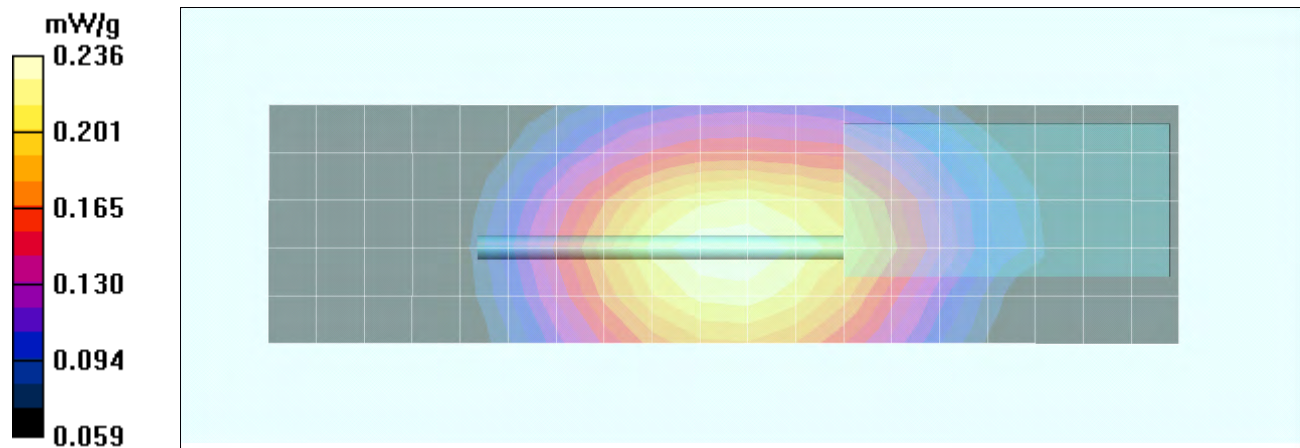
Reference Value = 15.9 V/m; Power Drift = -0.172 dB

Peak SAR (extrapolated) = 0.326 W/kg

SAR(1 g) = 0.228 mW/g; SAR(10 g) = 0.176 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.236 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B35

Date Tested: 10/6/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-004

Ambient Temp: 22C; Fluid Temp: 20.9C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 173.4 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 173.4$ MHz; $\sigma = 0.783$ mho/m; $\epsilon_r = 64.2$; $\rho = 1000$ kg/m³

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); 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

Area Scan (6x20x1): Measurement grid: dx=20mm, dy=20mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.878 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

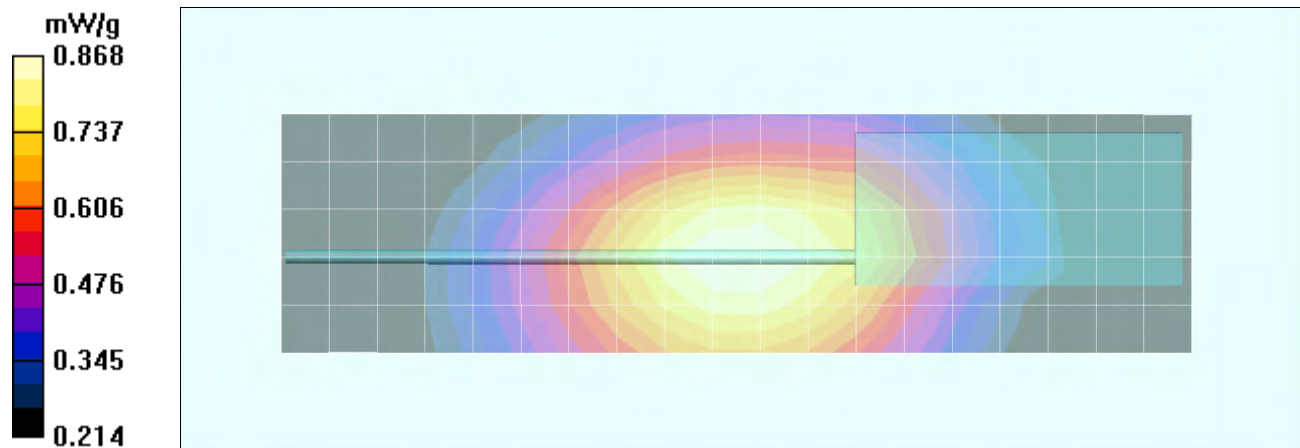
Reference Value = 30.2 V/m; Power Drift = -0.102 dB

Peak SAR (extrapolated) = 1.20 W/kg

SAR(1 g) = 0.840 mW/g; SAR(10 g) = 0.648 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.868 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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	<u>Date(s) of Evaluation</u> October 04-17, 2011	<u>Test Report Serial No.</u> 090211OWD-T1114-S90V	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 10, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B36

Date Tested: 10/6/2011

DUT: Harris P5500 VHF; Type: Portable VHF PTT Radio Transceiver; Serial: Re-VT-004

Ambient Temp: 22C; Fluid Temp: 20.9C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 173.4 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 173.4$ MHz; $\sigma = 0.783$ mho/m; $\epsilon_r = 64.2$; $\rho = 1000$ kg/m³

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); 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

Area Scan (6x20x1): Measurement grid: dx=20mm, dy=20mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.847 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

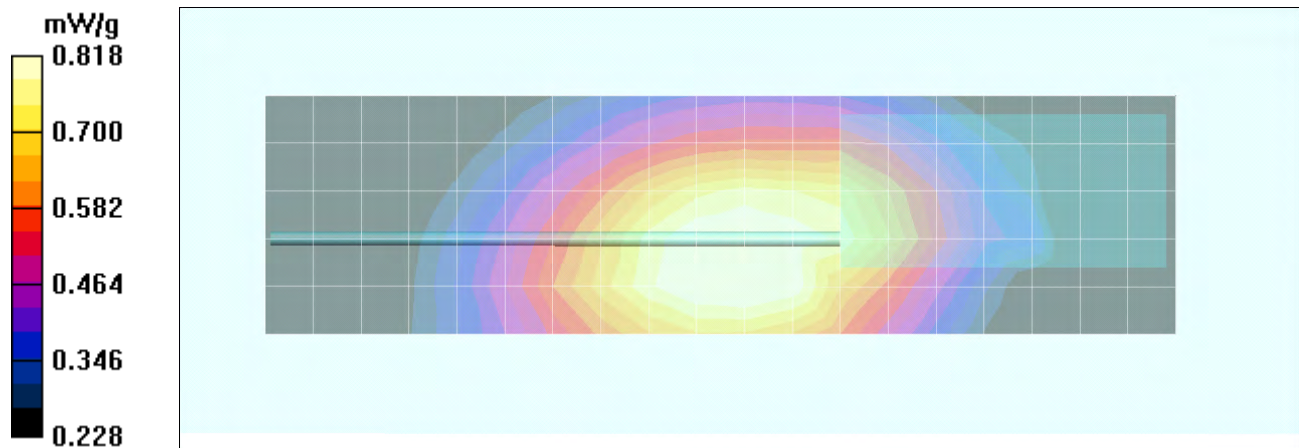
Reference Value = 31.3 V/m; Power Drift = -0.324 dB

Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.791 mW/g; SAR(10 g) = 0.612 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.818 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0067-E	IC:	363B-0067	
DUT Type:	Portable VHF PTT Radio Transceiver	DUT Model:	P5500 VHF	138-144 / 150.8-173.4 MHz		
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