

 Celltech Testing and Engineering Services Lab	<u>Date(s) of Evaluation</u> September 05, 08-09, 2008	<u>Test Report Serial No.</u> 090208OWD-T932-S90U	<u>Test Report Revision No.</u> Rev. 1.0 (Initial Release)	 ILAC-MRA ACCREDITED
	<u>Test Report Issue Date</u> October 08, 2008	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

APPENDIX D - SAR TEST SETUP & DUT PHOTOGRAPHS

Applicant:	M/A-COM, Inc.	Model:	P7300	FCC ID:	OWDTR-0052-E	IC:	3636B-0052	
DUT Type:	Portable Analog/Digital UHF-H PTT Radio Transceiver			Frequency Range:		450 - 512 MHz		
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Test Report Issue Date
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Description of Test(s)
Specific Absorption Rate

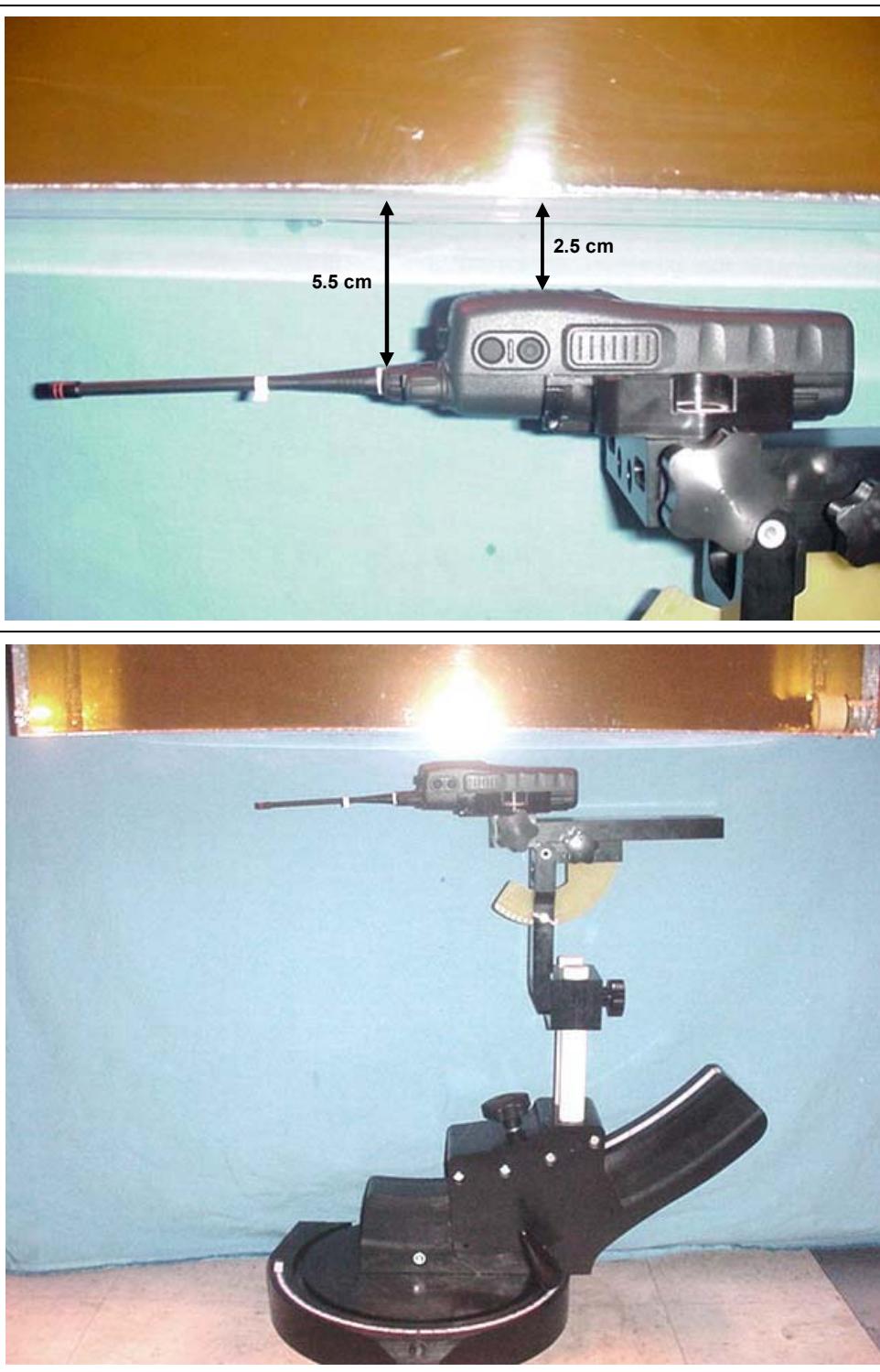
RF Exposure Category
Occupational (Controlled)



Test Lab Certificate No. 2470.01

FACE-HELD SAR TEST SETUP PHOTOGRAPHS

2.5 cm Spacing from Front of Scan Radio to Planar Phantom
Quarter-wave Whip Antenna (P/N: KRE1011223/12)



Applicant:	M/A-COM, Inc.	Model:	P7300	FCC ID:	OWDTR-0052-E	IC:	3636B-0052	
DUT Type:	Portable Analog/Digital UHF-H PTT Radio Transceiver			Frequency Range:		450 - 512 MHz		
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Description of Test(s)
Specific Absorption Rate

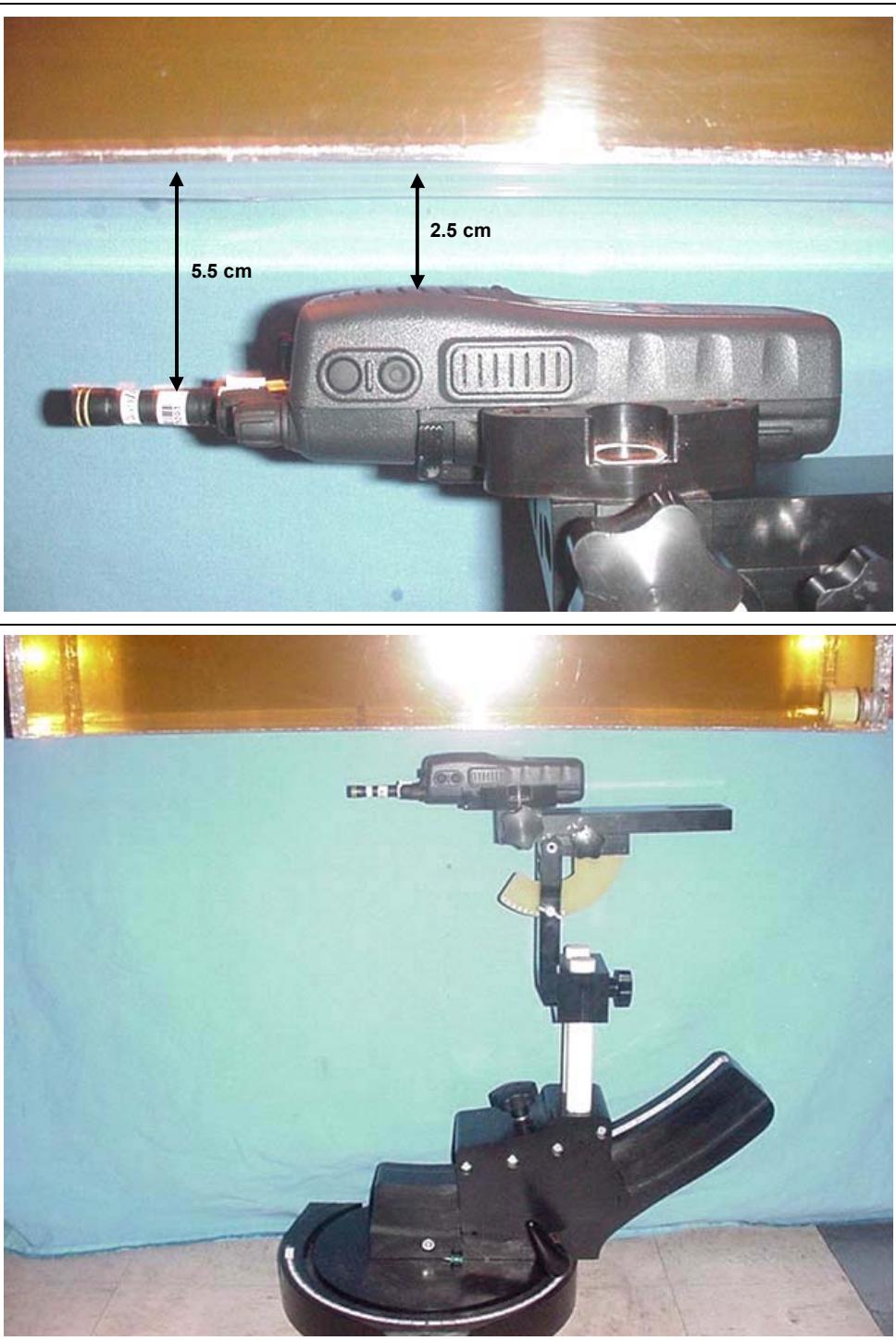
RF Exposure Category
Occupational (Controlled)



Test Lab Certificate No. 2470.01

FACE-HELD SAR TEST SETUP PHOTOGRAPHS

2.5 cm Spacing from Front of Scan Radio to Planar Phantom
Helical Stub Antenna (P/N: KRE1011219/14)



Applicant:	M/A-COM, Inc.	Model:	P7300	FCC ID:	OWDTR-0052-E	IC:	3636B-0052	
DUT Type:	Portable Analog/Digital UHF-H PTT Radio Transceiver			Frequency Range:		450 - 512 MHz		
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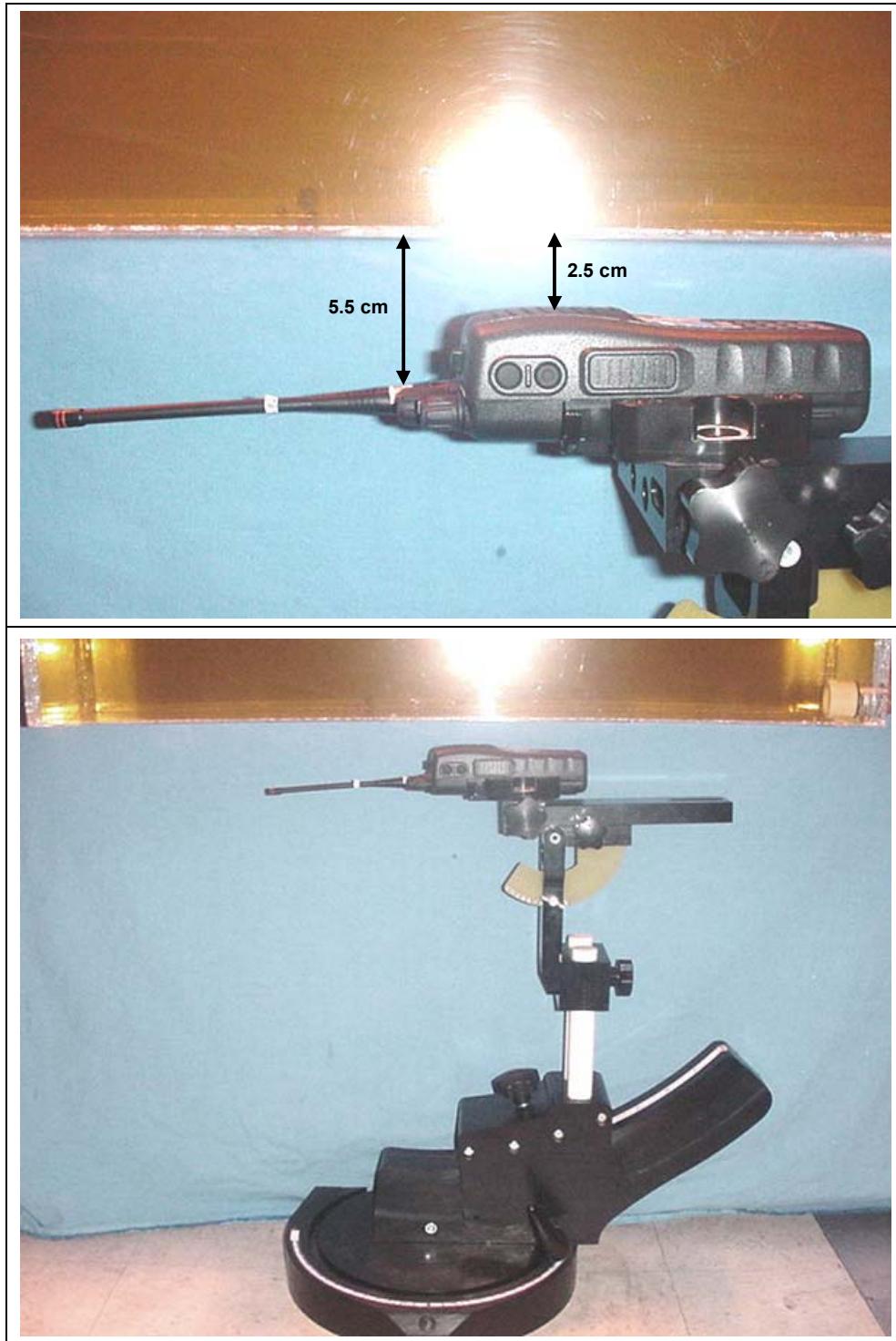
Description of Test(s)
Specific Absorption Rate

RF Exposure Category
Occupational (Controlled)



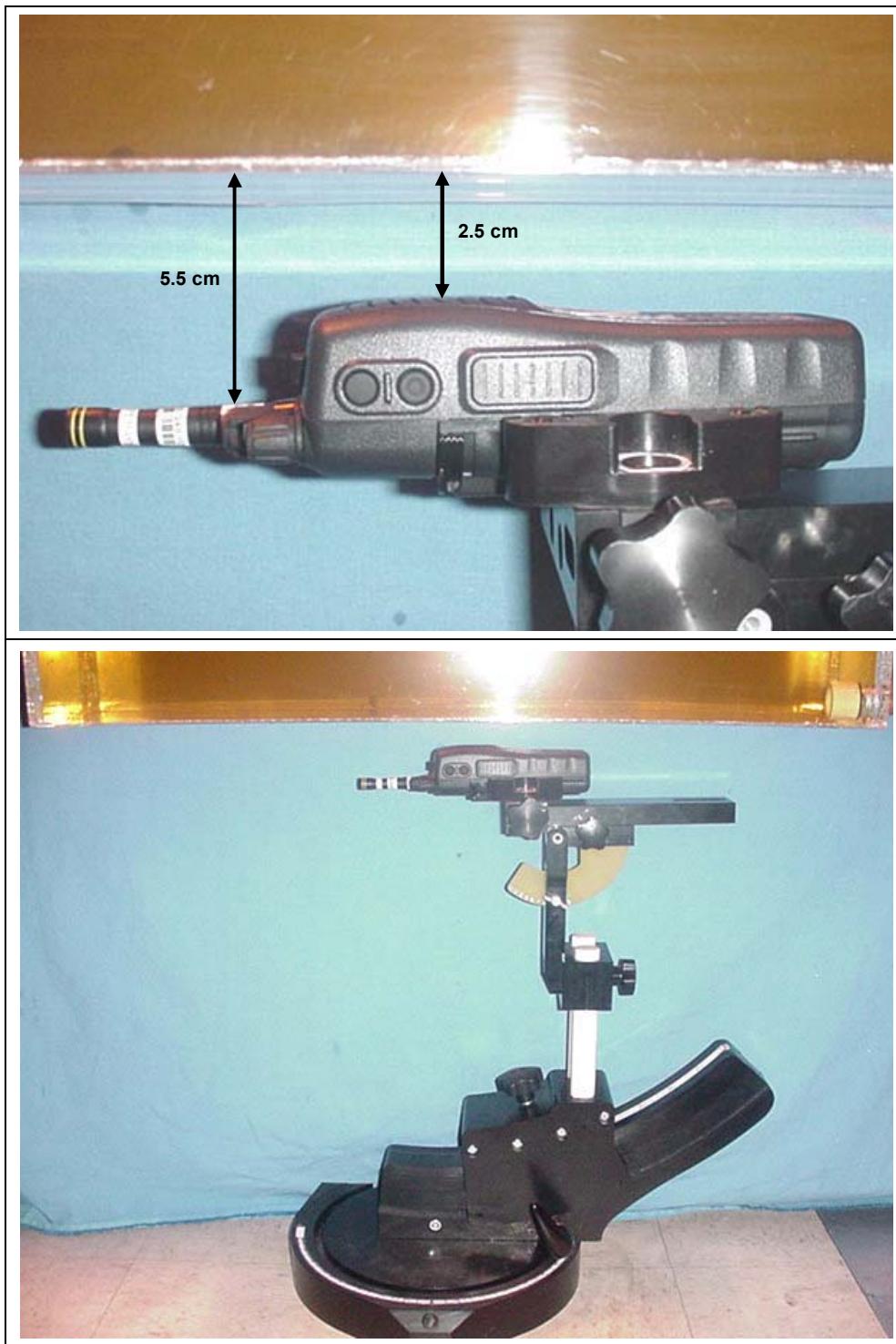
Test Lab Certificate No. 2470.01

FACE-HELD SAR TEST SETUP PHOTOGRAPHS
2.5 cm Spacing from Front of System Radio to Planar Phantom
Quarter-wave Whip Antenna (P/N: KRE1011223/12)



Applicant:	M/A-COM, Inc.	Model:	P7300	FCC ID:	OWDTR-0052-E	IC:	3636B-0052	
DUT Type:	Portable Analog/Digital UHF-H PTT Radio Transceiver			Frequency Range:		450 - 512 MHz		
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FACE-HELD SAR TEST SETUP PHOTOGRAPHS
2.5 cm Spacing from Front of System Radio to Planar Phantom
Helical Stub Antenna (P/N: KRE1011219/14)





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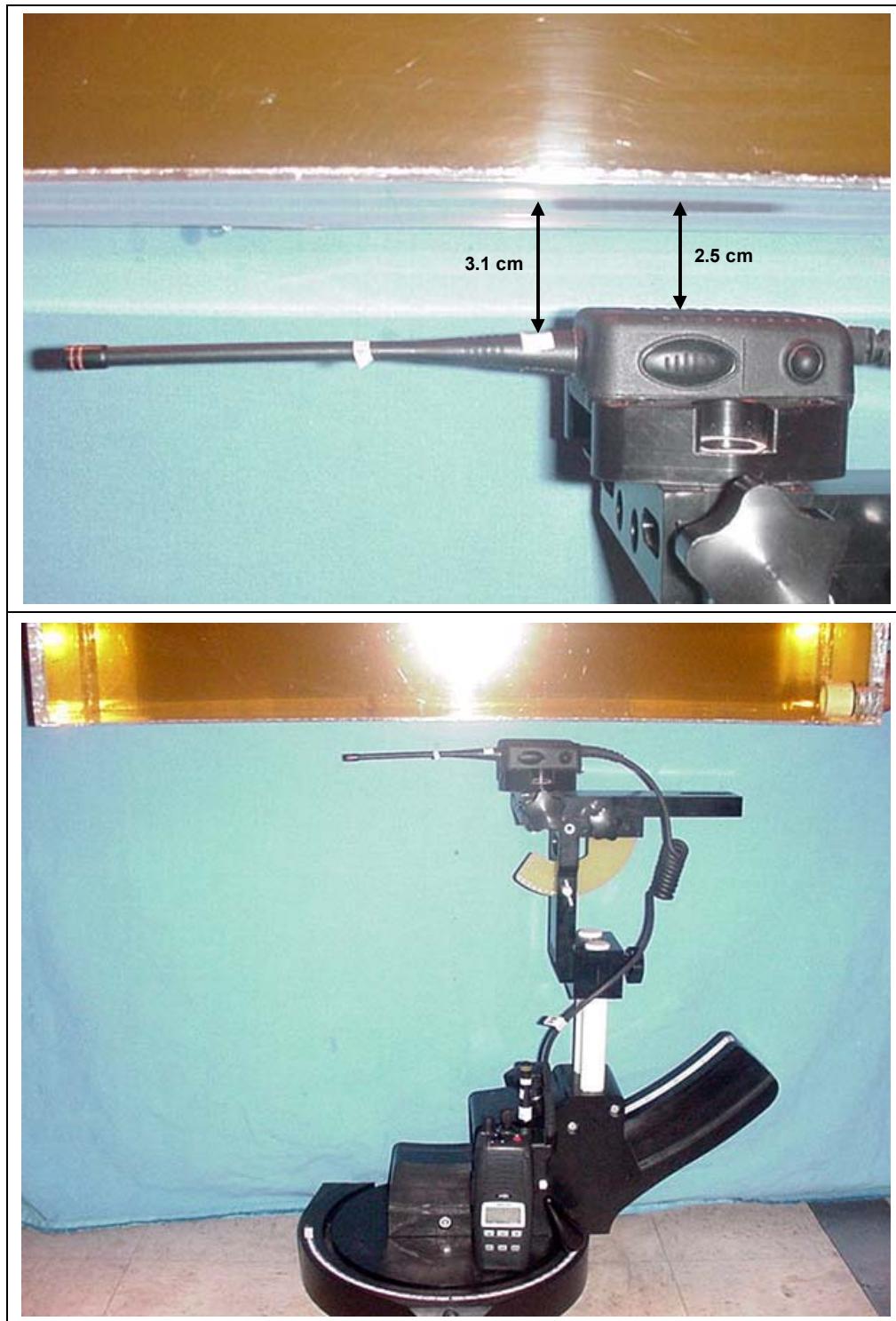
Description of Test(s)
Specific Absorption Rate

RF Exposure Category
Occupational (Controlled)



Test Lab Certificate No. 2470.01

FACE-HELD SAR TEST SETUP PHOTOGRAPHS
2.5 cm Spacing from Front of Speaker-Microphone Antenna Version to Planar Phantom
Quarter-wave Whip Antenna (P/N: KRE1011223/12)



Applicant:	M/A-COM, Inc.	Model:	P7300	FCC ID:	OWDTR-0052-E	IC:	3636B-0052	
DUT Type:	Portable Analog/Digital UHF-H PTT Radio Transceiver			Frequency Range:		450 - 512 MHz		
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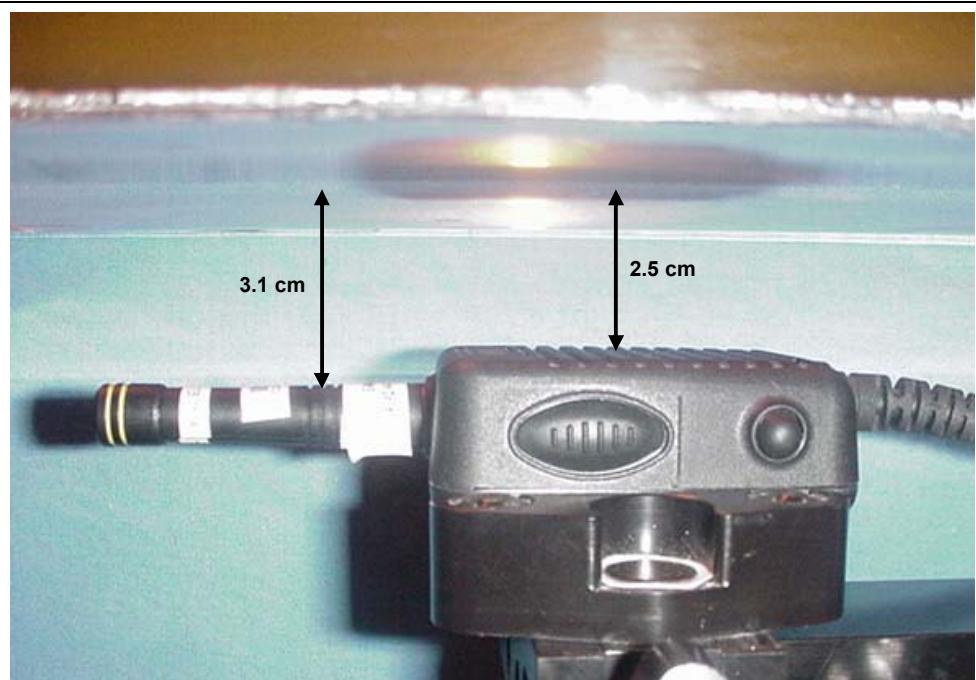
RF Exposure Category
Occupational (Controlled)



Test Lab Certificate No. 2470.01

FACE-HELD SAR TEST SETUP PHOTOGRAPHS

2.5 cm Spacing from Front of Speaker-Microphone Antenna Version to Planar Phantom
Helical Stub Antenna (P/N: KRE1011219/14)



Applicant:	M/A-COM, Inc.	Model:	P7300	FCC ID:	OWDTR-0052-E	IC:	3636B-0052	
DUT Type:	Portable Analog/Digital UHF-H PTT Radio Transceiver			Frequency Range:		450 - 512 MHz		
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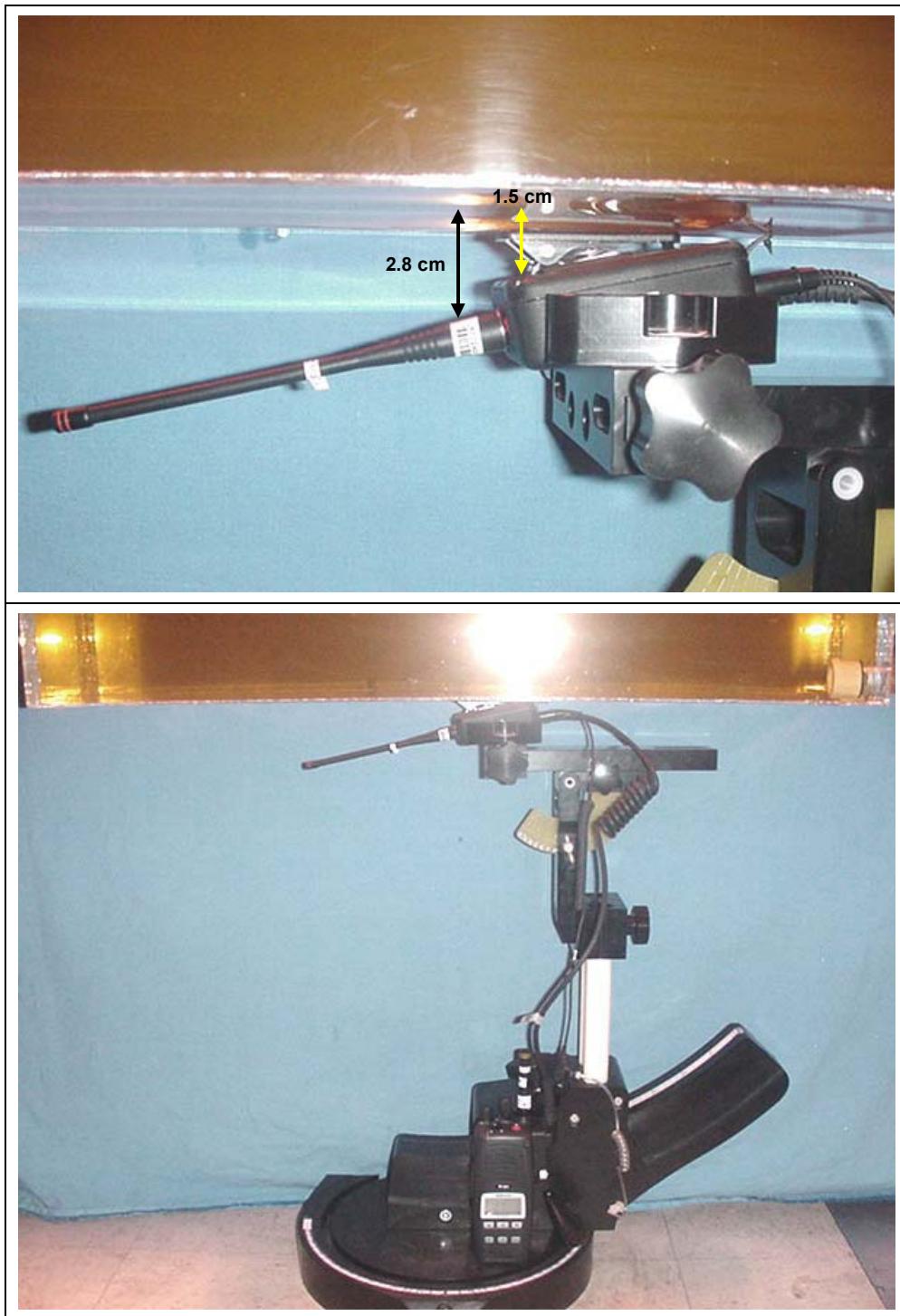
RF Exposure Category
Occupational (Controlled)



Test Lab Certificate No. 2470.01

BODY-WORN SAR TEST SETUP PHOTOGRAPHS

1.5 cm Lapel Clip Spacing from Back of Speaker-Microphone Antenna Version to Planar Phantom Quarter-wave Whip Antenna (P/N: KRE1011223/12) - Earphone Audio Accessory (P/N: LS103239V1)



Applicant:	M/A-COM, Inc.	Model:	P7300	FCC ID:	OWDTR-0052-E	IC:	3636B-0052	
DUT Type:	Portable Analog/Digital UHF-H PTT Radio Transceiver			Frequency Range:		450 - 512 MHz		
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Specific Absorption Rate

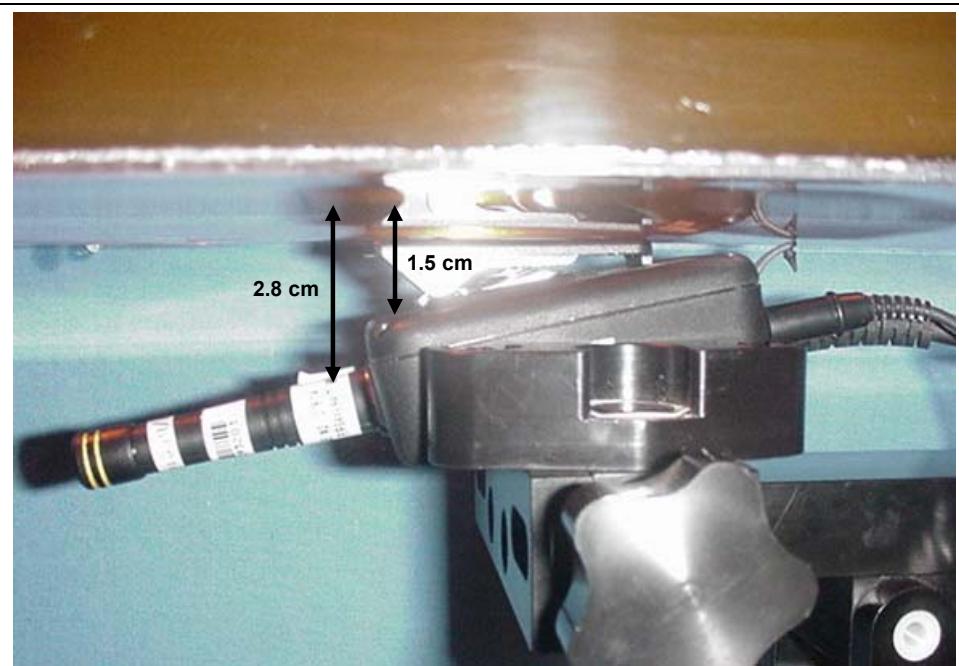
RF Exposure Category
Occupational (Controlled)



Test Lab Certificate No. 2470.01

BODY-WORN SAR TEST SETUP PHOTOGRAPHS

1.5 cm Lapel Clip Spacing from Back of Speaker-Microphone Antenna Version to Planar Phantom
Helical Stub Antenna (P/N: KRE1011219/14) - Earphone Audio Accessory (P/N: LS103239V1)



Applicant:	M/A-COM, Inc.	Model:	P7300	FCC ID:	OWDTR-0052-E	IC:	3636B-0052	
DUT Type:	Portable Analog/Digital UHF-H PTT Radio Transceiver			Frequency Range:		450 - 512 MHz		
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Description of Test(s)
Specific Absorption Rate

RF Exposure Category
Occupational (Controlled)



Test Lab Certificate No. 2470.01

BODY-WORN SAR TEST SETUP PHOTOGRAPHS

1.1 cm Belt-Clip Spacing from Back of Radio to Planar Phantom
Quarter-wave Whip Antenna (P/N: KRE1011223/12) - Speaker-Microphone Audio Accessory



Applicant:	M/A-COM, Inc.	Model:	P7300	FCC ID:	OWDTR-0052-E	IC:	3636B-0052	
DUT Type:	Portable Analog/Digital UHF-H PTT Radio Transceiver			Frequency Range:		450 - 512 MHz		
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Description of Test(s)
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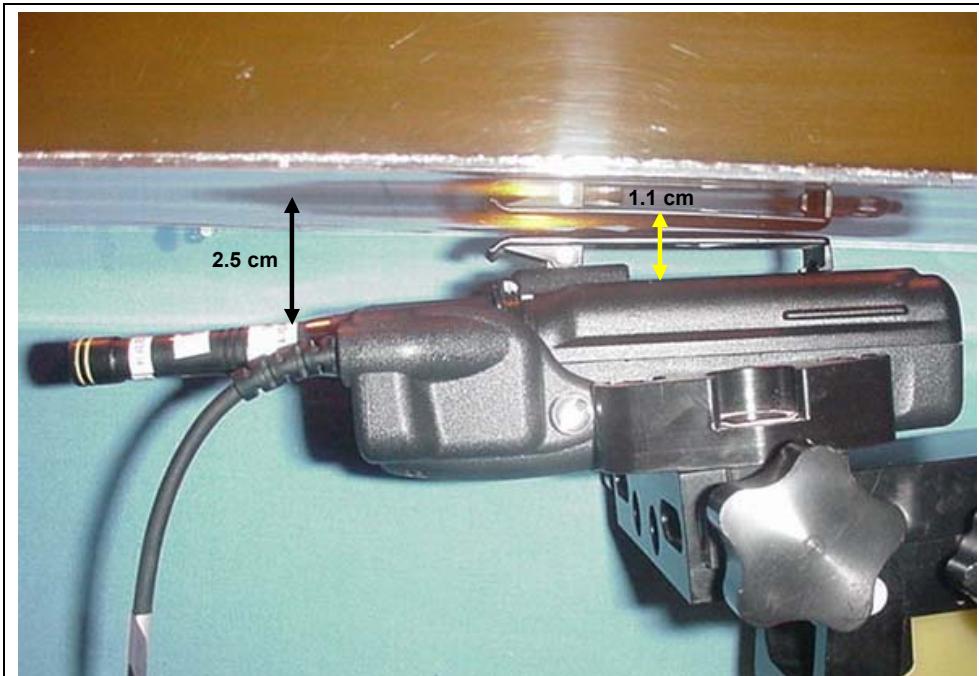
RF Exposure Category
Occupational (Controlled)



Test Lab Certificate No. 2470.01

BODY-WORN SAR TEST SETUP PHOTOGRAPHS

1.1 cm Belt-Clip Spacing from Back of Radio to Planar Phantom
Helical Stub Antenna (P/N: KRE1011219/14) - Speaker-Microphone Audio Accessory



Applicant:	M/A-COM, Inc.	Model:	P7300	FCC ID:	OWDTR-0052-E	IC:	3636B-0052	
DUT Type:	Portable Analog/Digital UHF-H PTT Radio Transceiver			Frequency Range:		450 - 512 MHz		
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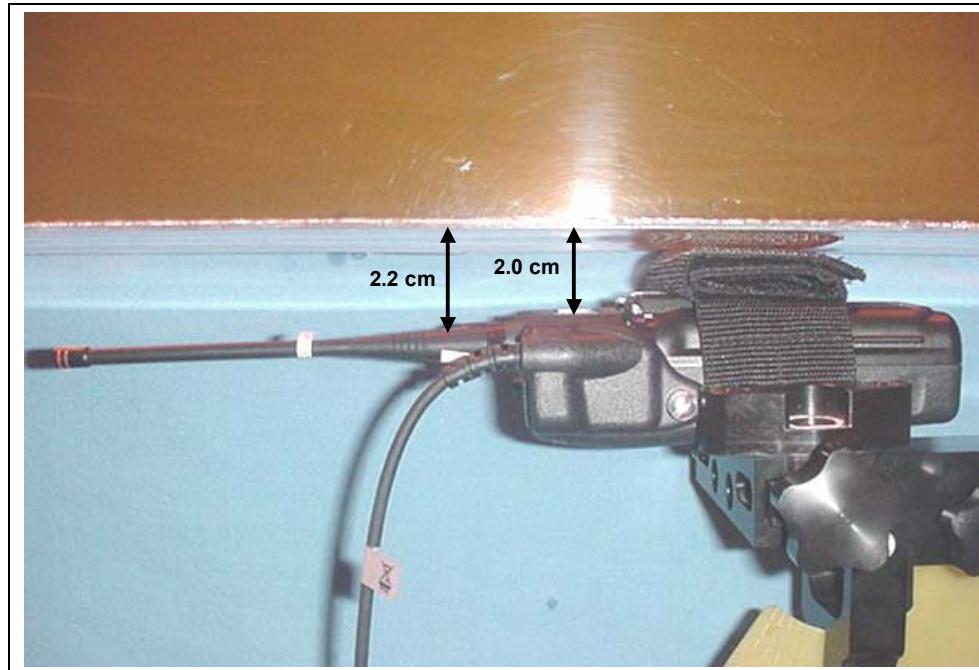
Description of Test(s)
Specific Absorption Rate

RF Exposure Category
Occupational (Controlled)



Test Lab Certificate No. 2470.01

BODY-WORN SAR TEST SETUP PHOTOGRAPHS
2.0 cm Nylon "T" Strap Holder Spacing from Back of Radio to Planar Phantom
Quarter-wave Whip Antenna (P/N: KRE1011223/12) - Speaker-Microphone Audio Accessory



Applicant:	M/A-COM, Inc.	Model:	P7300	FCC ID:	OWDTR-0052-E	IC:	3636B-0052	
DUT Type:	Portable Analog/Digital UHF-H PTT Radio Transceiver			Frequency Range:		450 - 512 MHz		
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Description of Test(s)
Specific Absorption Rate

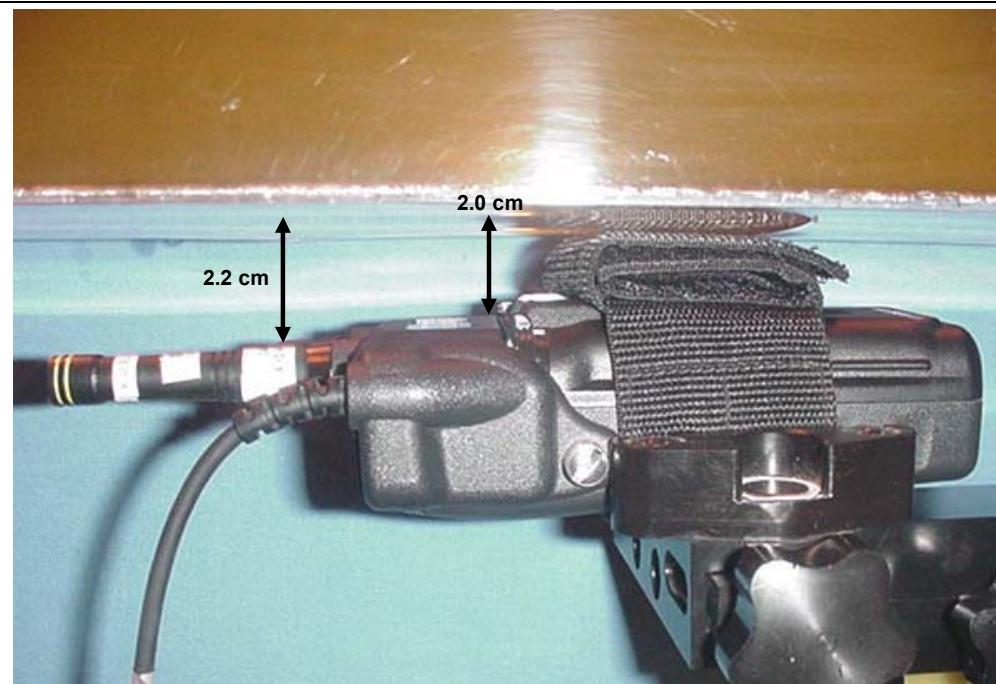
RF Exposure Category
Occupational (Controlled)



Test Lab Certificate No. 2470.01

BODY-WORN SAR TEST SETUP PHOTOGRAPHS

2.0 cm Nylon "T" Strap Holder Spacing from Back of Radio to Planar Phantom
Helical Stub Antenna (P/N: KRE1011219/14) - Speaker-Microphone Audio Accessory



Applicant:	M/A-COM, Inc.	Model:	P7300	FCC ID:	OWDTR-0052-E	IC:	3636B-0052	
DUT Type:	Portable Analog/Digital UHF-H PTT Radio Transceiver			Frequency Range:		450 - 512 MHz		
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Description of Test(s)
Specific Absorption Rate

RF Exposure Category
Occupational (Controlled)



Test Lab Certificate No. 2470.01

BODY-WORN SAR TEST SETUP PHOTOGRAPHS

3.5 cm Leather Case (with Shoulder Strap) Spacing from Back of Radio to Planar Phantom
Quarter-wave Whip Antenna (P/N: KRE1011223/12) - Speaker-Microphone Audio Accessory



Applicant:	M/A-COM, Inc.	Model:	P7300	FCC ID:	OWDTR-0052-E	IC:	3636B-0052	
DUT Type:	Portable Analog/Digital UHF-H PTT Radio Transceiver			Frequency Range:		450 - 512 MHz		
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Description of Test(s)
Specific Absorption Rate

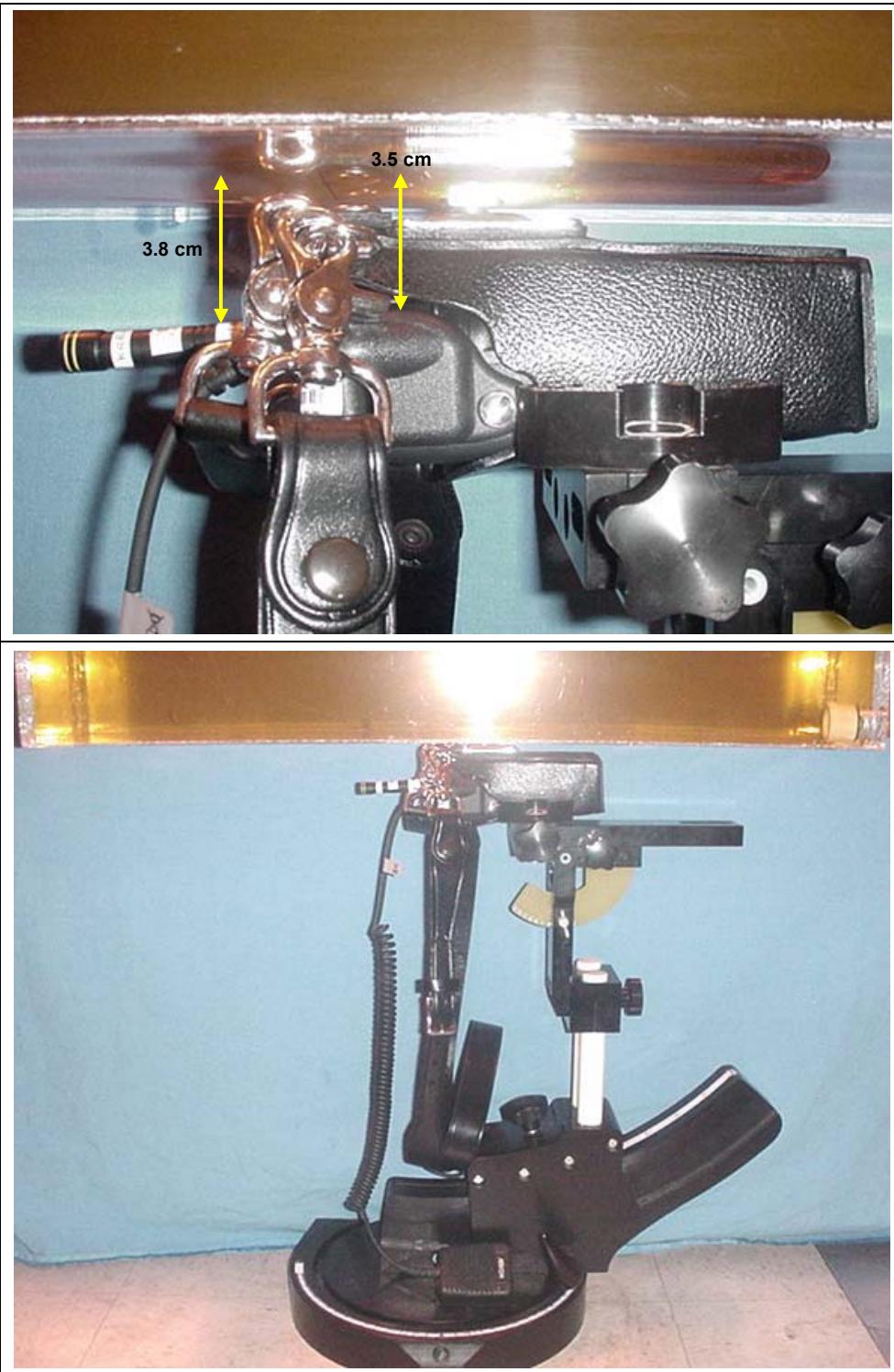
RF Exposure Category
Occupational (Controlled)



Test Lab Certificate No. 2470.01

BODY-WORN SAR TEST SETUP PHOTOGRAPHS

3.5 cm Leather Case (with Shoulder Strap) Spacing from Back of Radio to Planar Phantom
Helical Stub Antenna (P/N: KRE1011219/14) - Speaker-Microphone Audio Accessory



Applicant:	M/A-COM, Inc.	Model:	P7300	FCC ID:	OWDTR-0052-E	IC:	3636B-0052	
DUT Type:	Portable Analog/Digital UHF-H PTT Radio Transceiver			Frequency Range:		450 - 512 MHz		
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Description of Test(s)
Specific Absorption Rate

RF Exposure Category
Occupational (Controlled)



Test Lab Certificate No. 2470.01

BODY-WORN SAR TEST SETUP PHOTOGRAPHS

4.0 cm Nylon Case & Belt Loop Spacing from Back of Radio to Planar Phantom
Quarter-wave Whip Antenna (P/N: KRE1011223/12) - Speaker-Microphone Audio Accessory



Applicant:	M/A-COM, Inc.	Model:	P7300	FCC ID:	OWDTR-0052-E	IC:	3636B-0052	
DUT Type:	Portable Analog/Digital UHF-H PTT Radio Transceiver			Frequency Range:		450 - 512 MHz		
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Description of Test(s)
Specific Absorption Rate

RF Exposure Category
Occupational (Controlled)



Test Lab Certificate No. 2470.01

BODY-WORN SAR TEST SETUP PHOTOGRAPHS

4.0 cm Nylon Case & Belt Loop Spacing from Back of Radio to Planar Phantom
Helical Stub Antenna (P/N: KRE1011219/14) - Speaker-Microphone Audio Accessory



Applicant:	M/A-COM, Inc.	Model:	P7300	FCC ID:	OWDTR-0052-E	IC:	3636B-0052	
DUT Type:	Portable Analog/Digital UHF-H PTT Radio Transceiver			Frequency Range:		450 - 512 MHz		
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Description of Test(s)
Specific Absorption Rate

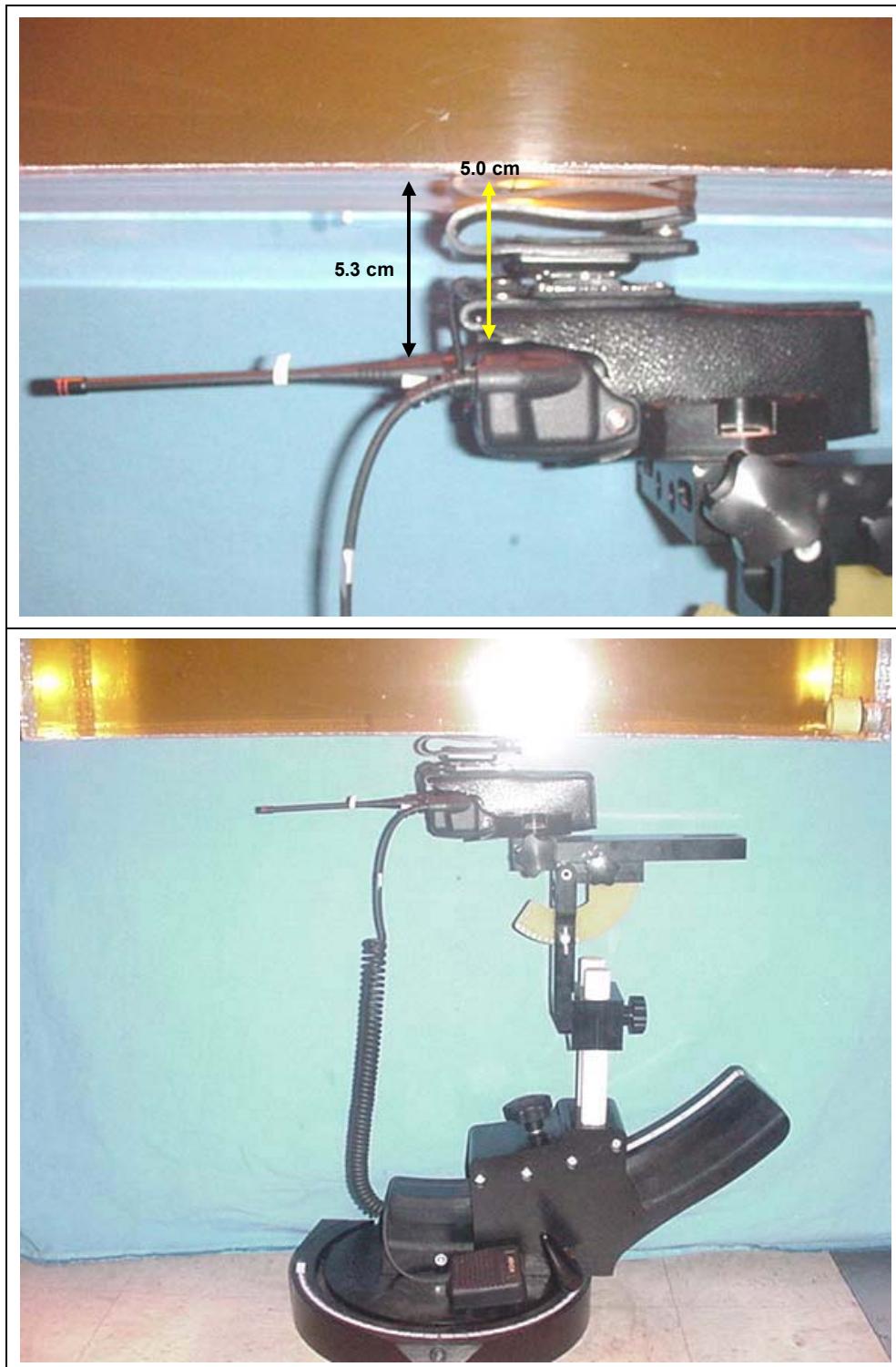
RF Exposure Category
Occupational (Controlled)



Test Lab Certificate No. 2470.01

BODY-WORN SAR TEST SETUP PHOTOGRAPHS

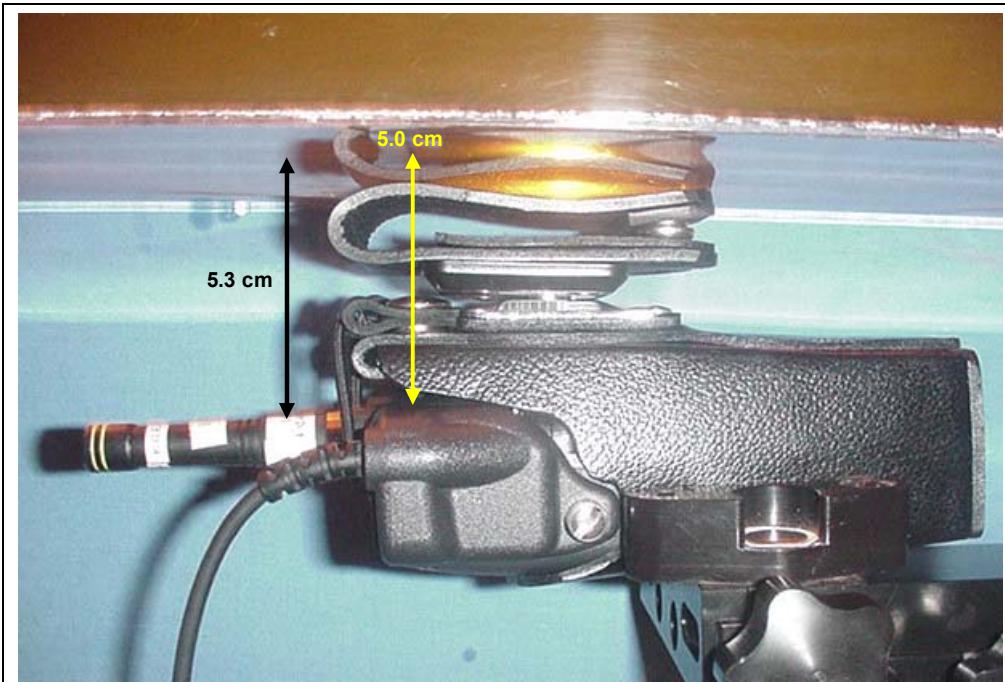
5.0 cm Leather Case & Belt Loop Spacing from Back of Radio to Planar Phantom
Quarter-wave Whip Antenna (P/N: KRE1011223/12) - Speaker-Microphone Audio Accessory



Applicant:	M/A-COM, Inc.	Model:	P7300	FCC ID:	OWDTR-0052-E	IC:	3636B-0052	
DUT Type:	Portable Analog/Digital UHF-H PTT Radio Transceiver			Frequency Range:		450 - 512 MHz		
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BODY-WORN SAR TEST SETUP PHOTOGRAPHS

5.0 cm Leather Case & Belt Loop Spacing from Back of Radio to Planar Phantom
Helical Stub Antenna (P/N: KRE1011219/14) - Speaker-Microphone Audio Accessory



Applicant:	M/A-COM, Inc.	Model:	P7300	FCC ID:	OWDTR-0052-E	IC:	3636B-0052	
DUT Type:	Portable Analog/Digital UHF-H PTT Radio Transceiver			Frequency Range:		450 - 512 MHz		
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Description of Test(s)
Specific Absorption Rate

RF Exposure Category
Occupational (Controlled)



Test Lab Certificate No. 2470.01

DUT PHOTOGRAPHS

Scan Radio with 1/4-wave Whip Antenna (P/N: KRE1011223/12)	Scan Radio with Helical Stub Antenna (P/N: KRE1011219/14)	System Radio with 1/4-wave Whip Antenna (P/N: KRE1011223/12)	System Radio with Helical Stub Antenna (P/N: KRE1011219/14)
Helical Stub Antenna P/N: KRE1011219/14	Quarter-wave Whip Antenna P/N: KRE1011223/12		

Applicant:	M/A-COM, Inc.	Model:	P7300	FCC ID:	OWDTR-0052-E	IC:	3636B-0052	
DUT Type:	Portable Analog/Digital UHF-H PTT Radio Transceiver			Frequency Range:	450 - 512 MHz			
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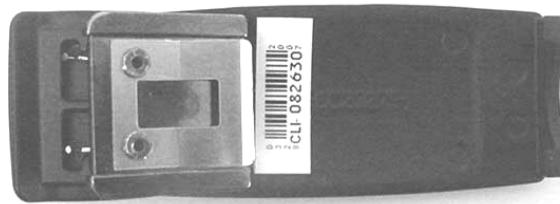
Test Lab Certificate No. 2470.01

DUT PHOTOGRAPHS



Radio w/ Belt-Clip & Speaker-Microphone

Bottom end of Radio with Belt-Clip



Back of Radio

Back of Radio w/ Belt-Clip

Metal Belt-Clip accessory (P/N: CC23894)



Top end of Radio with Belt-Clip

Left & Right sides of Radio with Belt-Clip

Applicant:	M/A-COM, Inc.	Model:	P7300	FCC ID:	OWDTR-0052-E	IC:	3636B-0052	
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Test Lab Certificate No. 2470.01

DUT PHOTOGRAPHS



Front of Radio with Nylon "T" Strap Holder (P/N: KRY1011656/1)

Back of Radio with Nylon "T" Strap Holder (P/N: KRY 101 1656/1)



Left side of Radio with Nylon "T" Strap Holder (P/N: KRY 101 1656/1)

Right side of Radio with Nylon "T" Strap Holder (P/N: KRY1011656/1)

Applicant:	M/A-COM, Inc.	Model:	P7300	FCC ID:	OWDTR-0052-E	IC:	3636B-0052		
DUT Type:	Portable Analog/Digital UHF-H PTT Radio Transceiver				Frequency Range:	450 - 512 MHz			
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Test Lab Certificate No. 2470.01

DUT PHOTOGRAPHS



Front of Radio with Black Nylon Case with Belt Loop Kit
(BEE P/N: KT-016201-001)

Back of Radio with Black Nylon Case & Leather Belt Loop Kit

Bottom end of Radio with Black Nylon Case with Belt Loop Kit (BEE P/N: KT-016201-001)



Left side of Radio with Black Nylon Case with Belt Loop Kit (BEE P/N: KT-016201-001)

Right side of Radio with Black Nylon Case with Belt Loop Kit (BEE P/N: KT-016201-001)

Applicant:	M/A-COM, Inc.	Model:	P7300	FCC ID:	OWDTR-0052-E	IC:	3636B-0052		
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DUT PHOTOGRAPHS



Front of Radio with Leather Case with Shoulder Strap Kit
(BEE P/N: KT-016201-004) & Short Leather Retaining Strap
(BEE P/N: CC-014524-002)



Back of Radio with Leather Case with Shoulder Strap Kit
(BEE P/N: KT-016201-004) & Short Leather Retaining Strap
(BEE P/N: CC-014524-002)



Bottom end of Radio with Leather Case with Shoulder
Strap Kit (BEE P/N: KT-016201-004) & Short Leather
Retaining Strap (BEE P/N: CC-014524-002)



Top end of Radio with Leather Case with Shoulder Strap Kit
(BEE P/N: KT-016201-004) & Short Leather Retaining Strap
(BEE P/N: CC-014524-002)

Applicant:	M/A-COM, Inc.	Model:	P7300	FCC ID:	OWDTR-0052-E	IC:	3636B-0052	
DUT Type:	Portable Analog/Digital UHF-H PTT Radio Transceiver			Frequency Range:	450 - 512 MHz			
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Date(s) of Evaluation
September 05, 08-09, 2008

Test Report Serial No.
090208OWD-T932-S90U

Test Report Revision No.
Rev. 1.0 (Initial Release)

Test Report Issue Date
October 08, 2008

Description of Test(s)
Specific Absorption Rate

RF Exposure Category
Occupational (Controlled)



Test Lab Certificate No. 2470.01

DUT PHOTOGRAPHS



Left side of Radio with Leather Case with Shoulder Strap Kit (BEE P/N: KT-016201-004) and Short Leather Retaining Strap (BEE P/N: CC-014524-002)

Back of Short Leather Retaining Strap (BEE P/N: CC-014524-002)



Right side of Radio with Leather Case with Shoulder Strap Kit (BEE P/N: KT-016201-004) and Short Leather Retaining Strap (BEE P/N: CC-014524-002)

Front of Short Leather Retaining Strap (BEE P/N: CC-014524-002)

Applicant:	M/A-COM, Inc.	Model:	P7300	FCC ID:	OWDTR-0052-E	IC:	3636B-0052		
DUT Type:	Portable Analog/Digital UHF-H PTT Radio Transceiver				Frequency Range:	450 - 512 MHz			
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 Celltech <small>Testing and Engineering Services LLC</small>	<u>Date(s) of Evaluation</u> September 05, 08-09, 2008	<u>Test Report Serial No.</u> 090208OWD-T932-S90U	<u>Test Report Revision No.</u> Rev. 1.0 (Initial Release)	 IEC MRA <small>ACCREDITED</small>
	<u>Test Report Issue Date</u> October 08, 2008	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

DUT PHOTOGRAPHS



- Leather Case (BEE P/N: FM-016199-004) with shoulder strap D-rings, Shoulder Strap (BEE P/N: CC-014524-001)
- Short Leather Retaining Strap (BEE P/N: CC-014524-002)

Back of Radio with Swivel Mount (P/N: KRY1011608/2) Leather Case (BEE P/N: FM-016199-004) with shoulder strap D-rings, Shoulder Strap (BEE P/N: CC-014524-001), Short Leather Retaining Strap (BEE P/N: CC-014524-002) & Speaker-Microphone

Applicant:	M/A-COM, Inc.	Model:	P7300	FCC ID:	OWDTR-0052-E	IC:	3636B-0052		
DUT Type:	Portable Analog/Digital UHF-H PTT Radio Transceiver			Frequency Range:	450 - 512 MHz				
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 Celltech Testing and Engineering Services Ltd.	<u>Date(s) of Evaluation</u> September 05, 08-09, 2008	<u>Test Report Serial No.</u> 090208OWD-T932-S90U	<u>Test Report Revision No.</u> Rev. 1.0 (Initial Release)	 ILAC-MRA  ACREDITED
	<u>Test Report Issue Date</u> October 08, 2008	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

DUT PHOTOGRAPHS



**Front of Radio with Leather Case with Belt Loop Kit
(BEE P/N: KT-016201-003)**



**Back of Radio with Leather Case with Belt Loop Kit
(BEE P/N: KT-016201-003)**



**Bottom end of Radio w/ Leather Case w/
Belt Loop Kit (BEE P/N: KT-016201-003)**



**Top end of Radio with Leather Case with Belt Loop Kit
(BEE P/N: KT-016201-003)**



Back of Radio with Swivel Mount (P/N: KRY1011608/2) & Leather Case (BEE P/N: FM-016199-003)



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DUT PHOTOGRAPHS



Left side of Radio w/ Leather Case w/ Belt Loop Kit (BEE P/N: KT-016201-003)



Right side of Radio w/ Leather Case w/ Belt Loop Kit (BEE P/N: KT-016201-003)



Front of Leather Case (BEE P/N: FM-016199-003) without shoulder strap D-rings and Leather Belt Loop (BEE P/N: CC-014527)



Back of Leather Case (BEE P/N: FM-016199-003) without shoulder strap D-rings and Leather Belt Loop (BEE P/N: CC-014527)

Applicant:	M/A-COM, Inc.	Model:	P7300	FCC ID:	OWDTR-0052-E	IC:	3636B-0052	
DUT Type:	Portable Analog/Digital UHF-H PTT Radio Transceiver				Frequency Range:	450 - 512 MHz		
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NiMH NIS Battery Immersible (P/N: BT-023406-003)	NiMH IS Battery Immersible (P/N: BT-023406-004)	Li-Ion IS Battery Immersible (P/N: BT-023406-006)	Li-Ion NIS Battery Immersible (P/N: BT-023406-005)

Applicant:	M/A-COM, Inc.	Model:	P7300	FCC ID:	OWDTR-0052-E	IC:	3636B-0052	
DUT Type:	Portable Analog/Digital UHF-H PTT Radio Transceiver				Frequency Range:	450 - 512 MHz		
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DUT PHOTOGRAPHS



Radio with Speaker-Microphone Antenna Version & Quarter-wave Whip Antenna

Radio with Speaker-Microphone Antenna Version & Helical Stub Antenna

Radio with Speaker-Microphone Antenna Version,
Helical Stub Antenna & Earphone (P/N: LS103239V1)



Speaker-Microphone Antenna Version with Quarter-wave Whip Antenna

Speaker-Microphone Antenna Version with Helical Stub Antenna

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