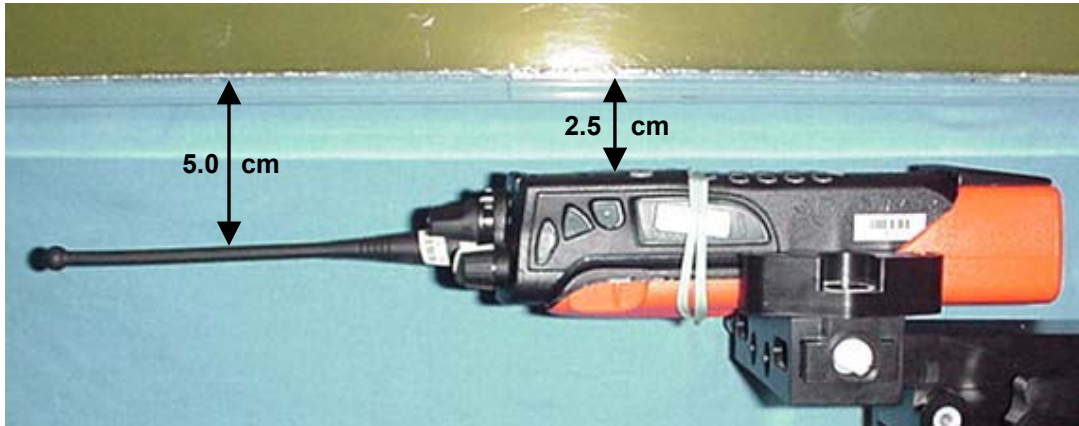


Test Report S/N:	012005ALH-T612-S90F
Test Date(s):	January 25, 27-28, 2005
Test Type:	FCC SAR Evaluation

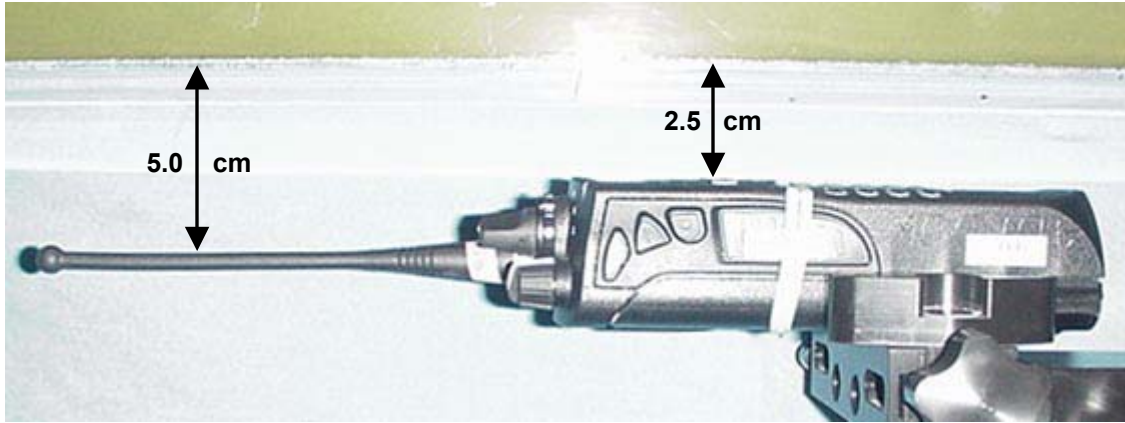
APPENDIX D - SAR TEST SETUP & DUT PHOTOGRAPHS

FACE-HELD SAR TEST SETUP PHOTOGRAPHS
Radio Transceiver with Alkaline Battery Pack
2.5 cm Separation Distance to Planar Phantom



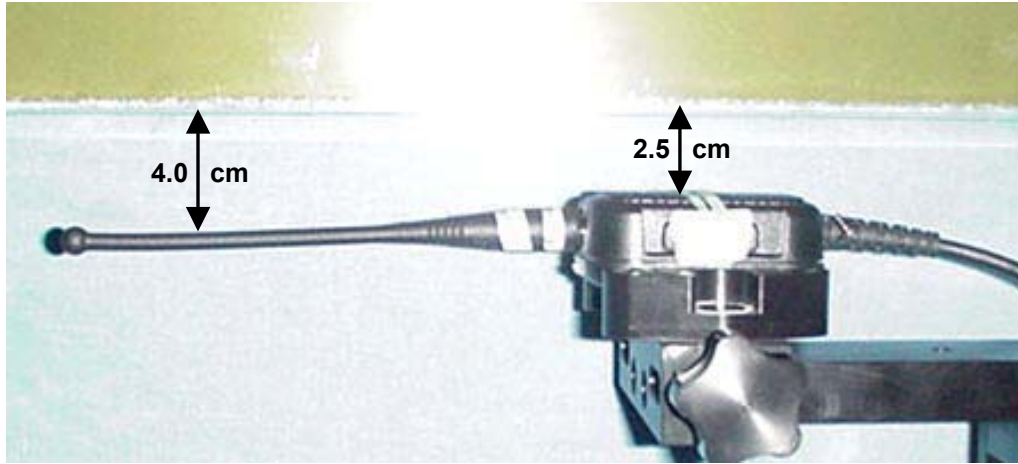
Applicant:	E.F. Johnson Co.	Model:	5191	FCC ID:	ATH2425191	
DUT Type:	Portable FM PTT Radio Transceiver	Frequency Range(s):	896-901 / 935-940 MHz			
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FACE-HELD SAR TEST SETUP PHOTOGRAPHS
Radio Transceiver with NiMH Battery
2.5 cm Separation Distance to Planar Phantom



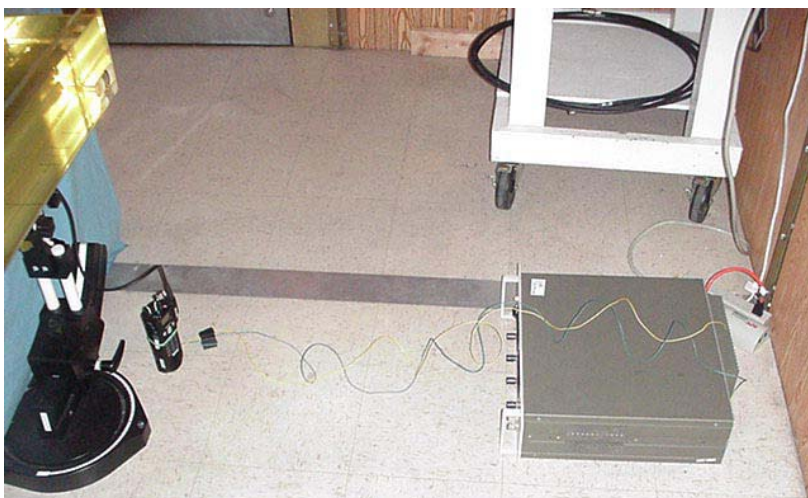
Applicant:	E.F. Johnson Co.	Model:	5191	FCC ID:	ATH2425191	
DUT Type:	Portable FM PTT Radio Transceiver	Frequency Range(s):	896-901 / 935-940 MHz			
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FACE-HELD SAR TEST SETUP PHOTOGRAPHS
Speaker-Microphone-Antenna with NiMH Battery
2.5 cm Separation Distance to Planar Phantom



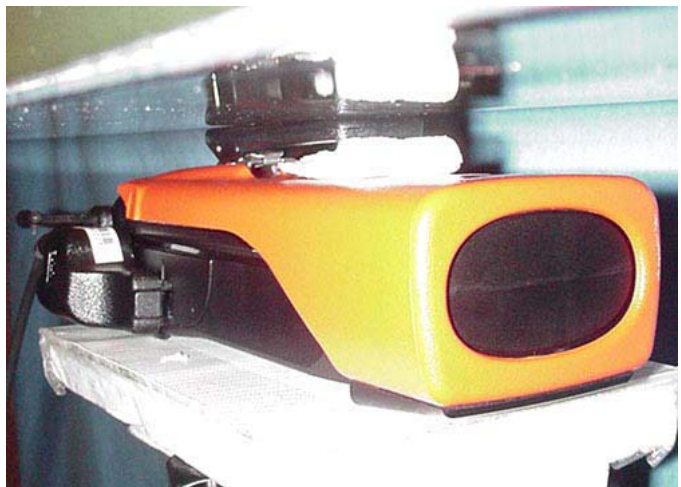
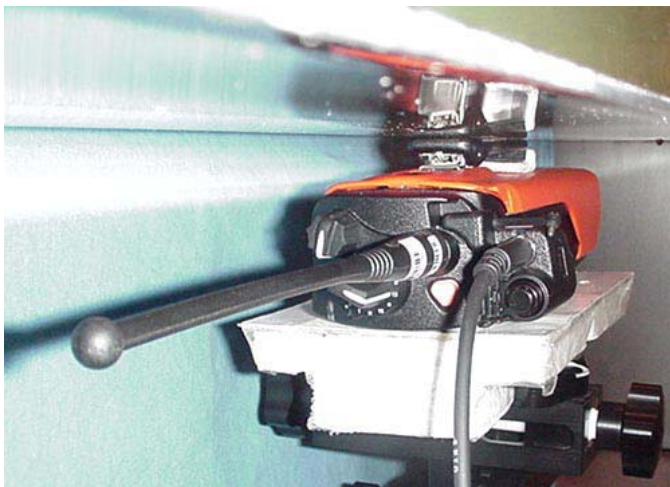
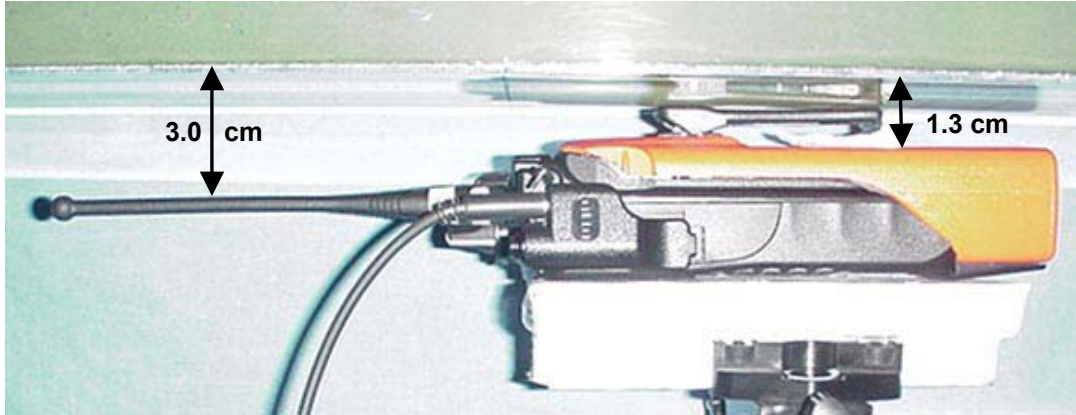
Applicant:	E.F. Johnson Co.	Model:	5191	FCC ID:	ATH2425191	
DUT Type:	Portable FM PTT Radio Transceiver	Frequency Range(s):	896-901 / 935-940 MHz			
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FACE-HELD SAR TEST SETUP PHOTOGRAPHS
Speaker-Microphone-Antenna with External Power Supply connected to NiMH Battery Terminals on Radio
2.5 cm Separation Distance to Planar Phantom

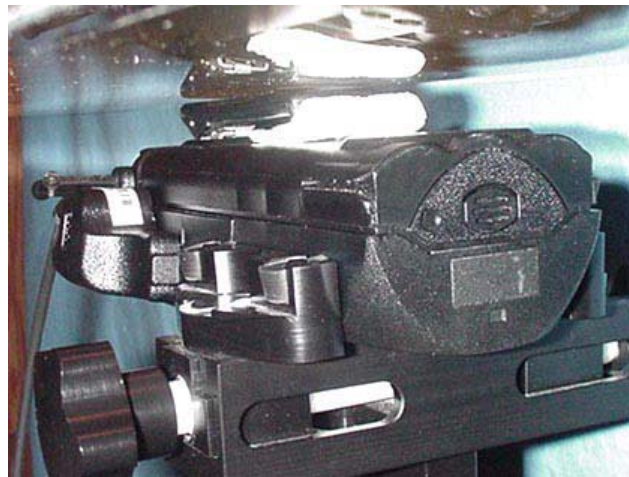
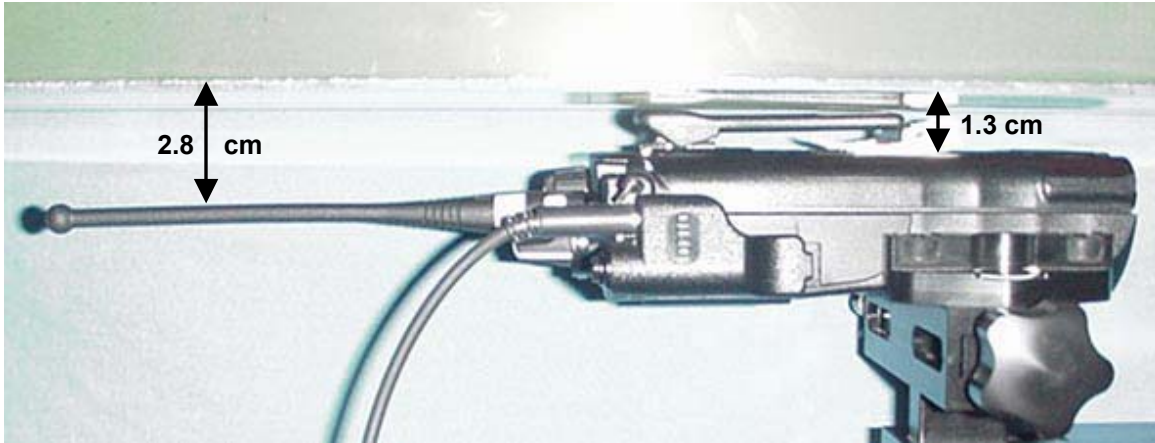


Applicant:	E.F. Johnson Co.	Model:	5191	FCC ID:	ATH2425191	
DUT Type:	Portable FM PTT Radio Transceiver	Frequency Range(s):	896-901 / 935-940 MHz			
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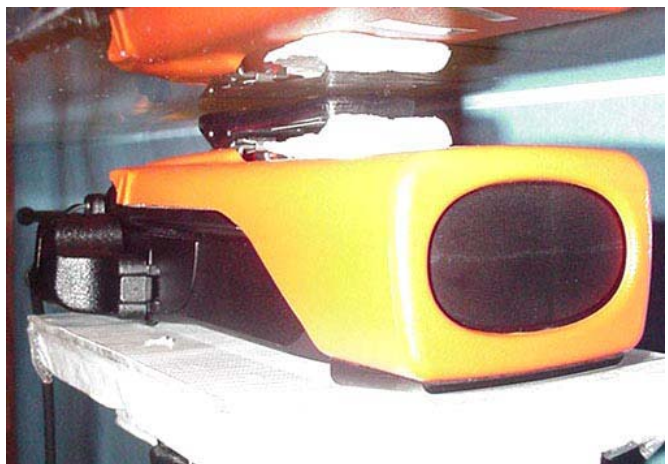
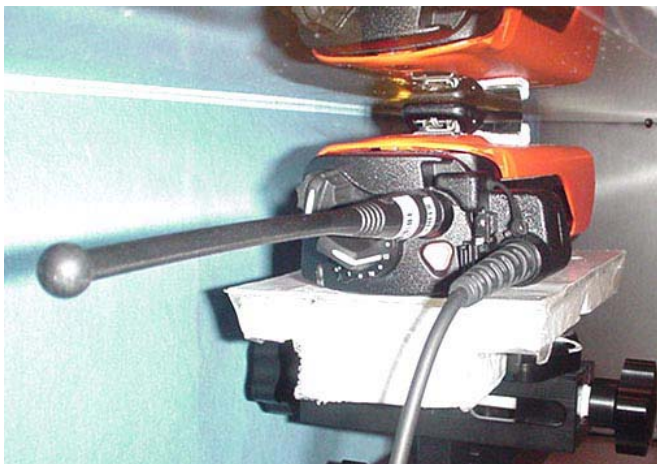
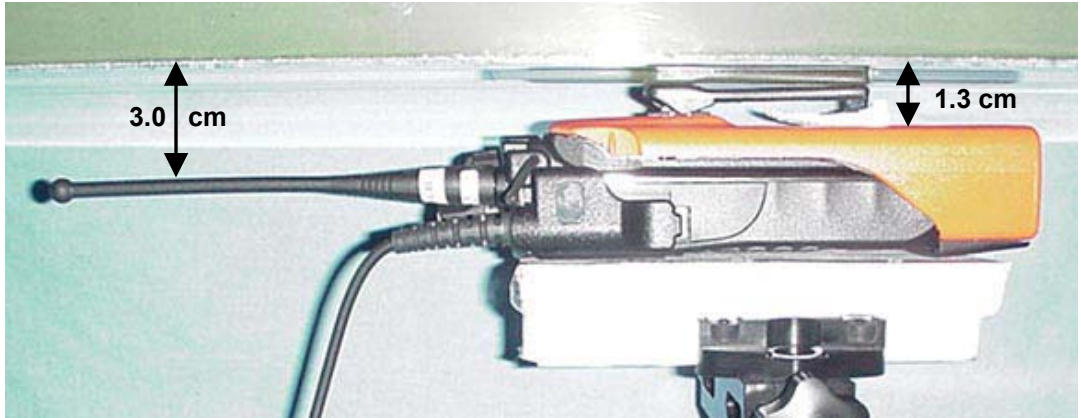
BODY-WORN SAR TEST SETUP PHOTOGRAPHS
Radio Transceiver with Alkaline Battery Pack & Boom-Microphone Headset
1.3 cm Belt-Clip Separation Distance to Planar Phantom



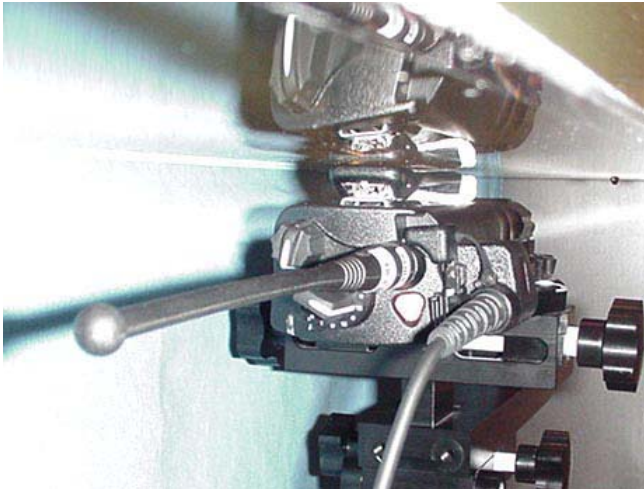
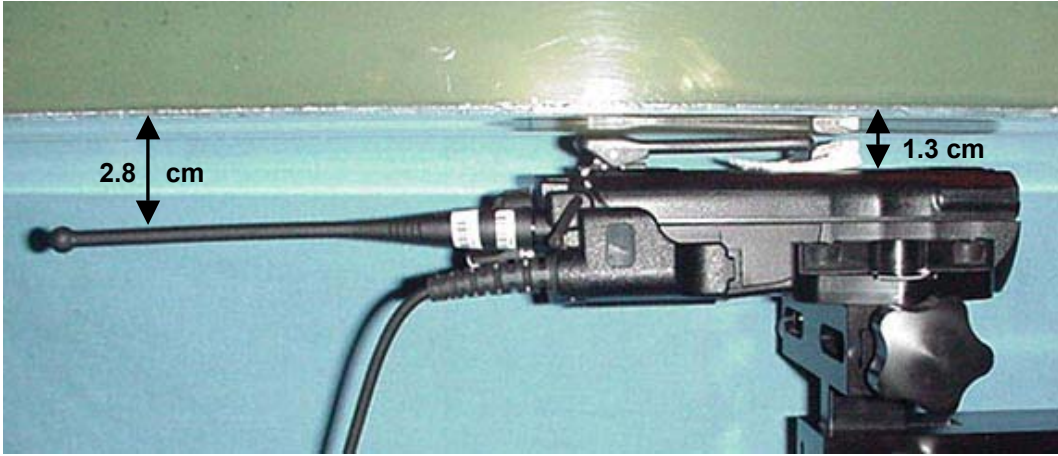
BODY-WORN SAR TEST SETUP PHOTOGRAPHS
Radio Transceiver with NiMH Battery, & Boom-Microphone Headset
1.3 cm Belt-Clip Separation Distance to Planar Phantom



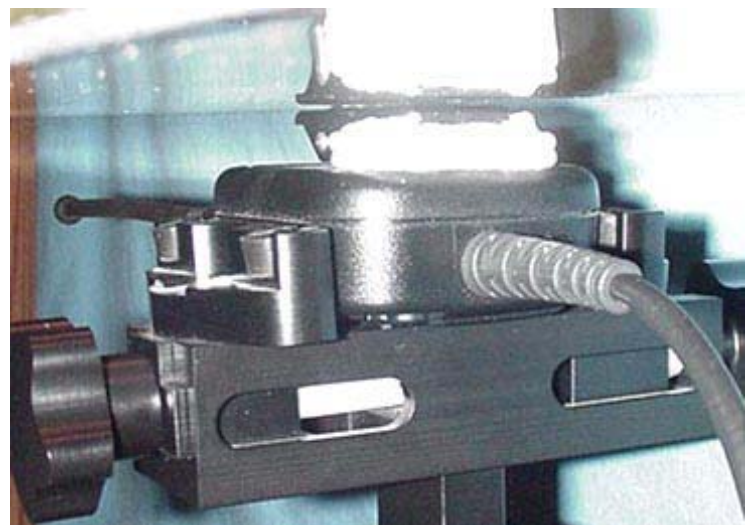
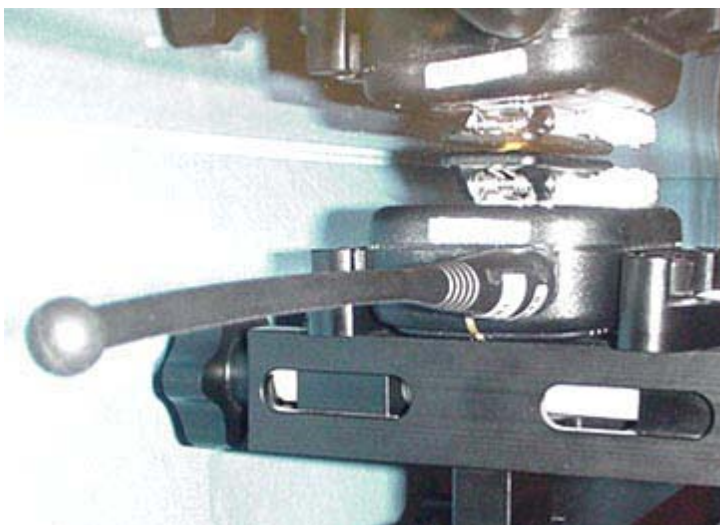
BODY-WORN SAR TEST SETUP PHOTOGRAPHS
Radio Transceiver with Alkaline Battery Pack & Speaker-Microphone
1.3 cm Belt-Clip Separation Distance to Planar Phantom



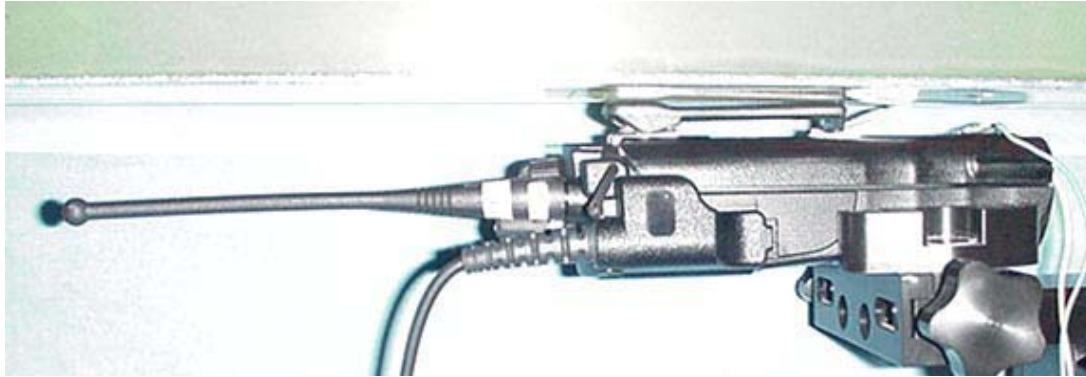
BODY-WORN SAR TEST SETUP PHOTOGRAPHS
Radio Transceiver with NiMH Battery & Speaker-Microphone
1.3 cm Belt-Clip Separation Distance to Planar Phantom



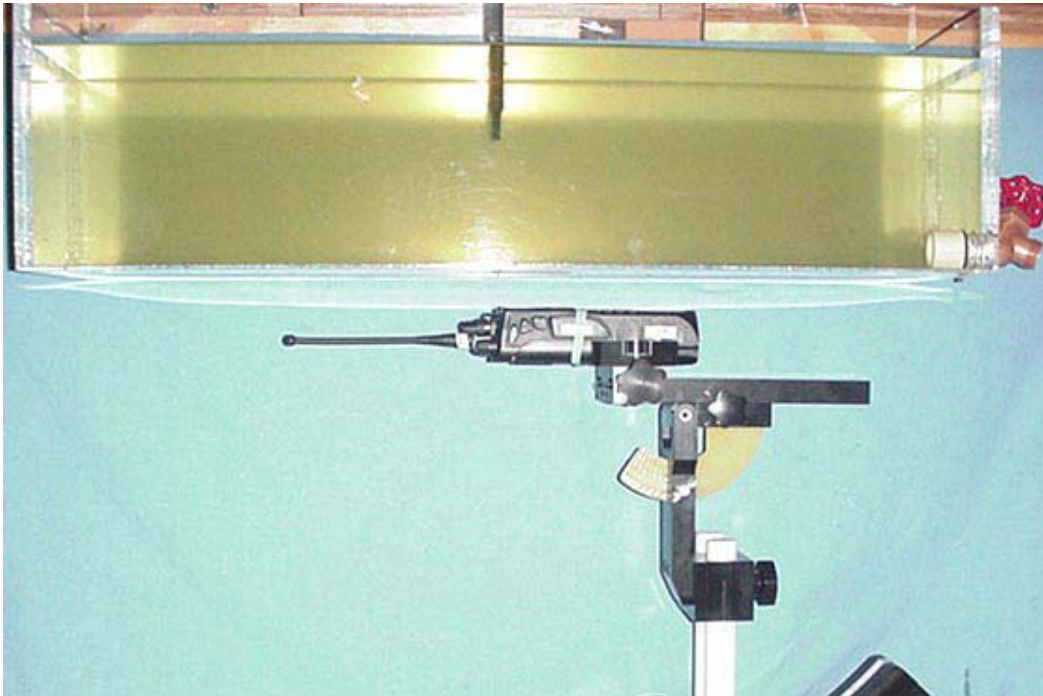
BODY-WORN SAR TEST SETUP PHOTOGRAPHS
Speaker-Microphone-Antenna with NiMH Battery
1.2 cm Lapel-Clip Separation Distance to Planar Phantom



BODY-WORN SAR TEST SETUP PHOTOGRAPHS
Radio Transceiver with External Power Supply connected to NiMH Battery Terminals
1.3 cm Belt-Clip Separation Distance to Planar Phantom - with Speaker-Microphone



SAR TEST SETUP PHOTOGRAPHS



Face-Held Configuration



Body-Worn Configuration

DUT PHOTOGRAPHS



Front of Radio
with Whip Antenna
& Alkaline Battery Pack



Front of DUT
with Whip Antenna
& NiMH Battery Pack

DUT PHOTOGRAPHS



**Back of DUT
with Alkaline Battery Pack**



**Back of DUT
with Alkaline Battery Pack
& Belt-Clip**



**Back of DUT
with NiMH Battery Pack**



**Back of DUT
with NiMH Battery Pack
with Belt-Clip**

DUT PHOTOGRAPHS



Top of DUT with Alkaline Battery Pack



Bottom of DUT with Alkaline Battery Pack



Top of DUT with NiMH Battery Pack



Bottom of DUT with NiMH Battery Pack

DUT PHOTOGRAPHS



Left Side of DUT with Alkaline Battery Pack & Belt-Clip



Right Side of DUT with Alkaline Battery Pack & Belt-Clip



Belt-Clip Accessory (Plastic with metal spring) with Alkaline Battery Pack

DUT PHOTOGRAPHS



Right Side of DUT with NiMH Battery & Belt-Clip



Left Side of DUT with NiMH Battery & Belt-Clip



Belt-Clip Accessory (Plastic with metal spring) with NiMH Battery

DUT PHOTOGRAPHS



Alkaline Battery Pack Holder



Alkaline Battery Pack

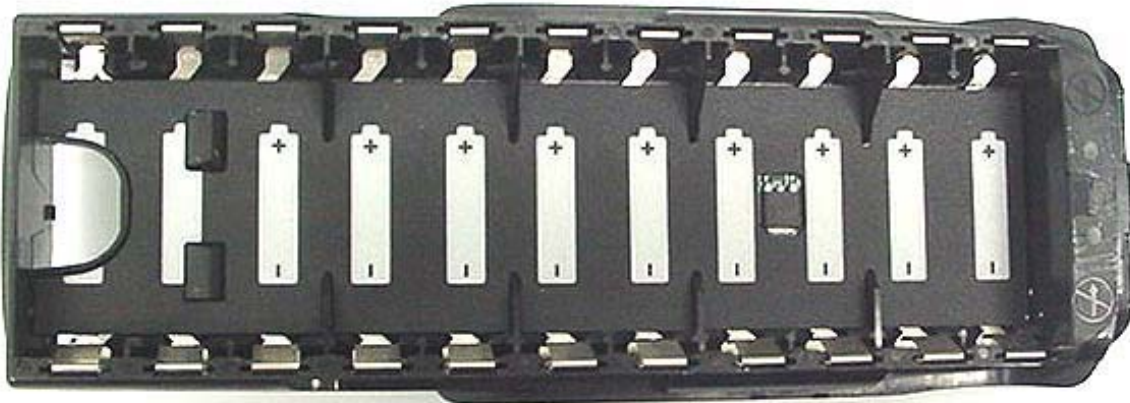
DUT PHOTOGRAPHS




Alkaline Battery Pack



Alkaline Battery Pack



Alkaline Battery Casing

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DUT PHOTOGRAPHS



Duracell Procell Alkaline Battery Pack



Energizer E91 Alkaline Battery Pack

DUT PHOTOGRAPHS



Radio Battery Compartment



NiMH Battery



NiMH Battery



Detachable 1/2-Wave Whip Antenna

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DUT PHOTOGRAPHS



Radio with Boom-Microphone Headset Accessory & Alkaline Battery Pack



Radio with Speaker-Microphone Accessory & Alkaline Battery Pack

DUT PHOTOGRAPHS



Radio with Boom-Microphone Headset Accessory & NiMH Battery Pack



Radio with Speaker-Microphone Accessory & NiMH Battery Pack

DUT PHOTOGRAPHS
Speaker-Microphone-Antenna with Lapel-Clip



Front Side



Top Side




Left Side



Bottom Side



Right Side

Applicant:	E.F. Johnson Co.	Model:	5191	FCC ID:	ATH2425191	
DUT Type:	Portable FM PTT Radio Transceiver	Frequency Range(s):	896-901 / 935-940 MHz			
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DUT PHOTOGRAPHS
Speaker-Microphone-Antenna with Lapel-Clip



Front Side with Whip Antenna



Left Side with Whip Antenna



Right Side with Whip Antenna

DUT PHOTOGRAPHS
Speaker-Microphone-Antenna with Lapel Clip



DUT PHOTOGRAPHS



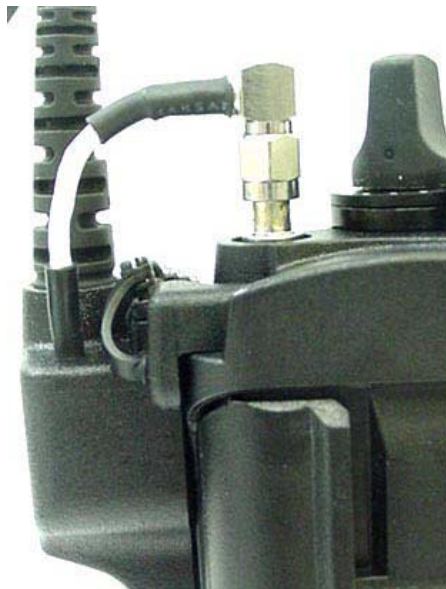
Radio RF Antenna Connector



Speaker-Microphone-Antenna Connector & Terminator



Front View of Antenna Termination



Back View of Antenna Termination