
	<u>Date(s) of Evaluation</u> December 2, 10, 17-18, 2010	<u>Test Report Serial No.</u> 112510K66-T1063-S90U	<u>Test Report Revision No.</u> Rev. 1.1 (2nd Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> January 04, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	



Front of **VX-459-G6-5** Radio with ATU-16D Antenna (C)




Back of **VX-459-G6-5** Radio & Antenna C with Standard Li-ion Battery (a)





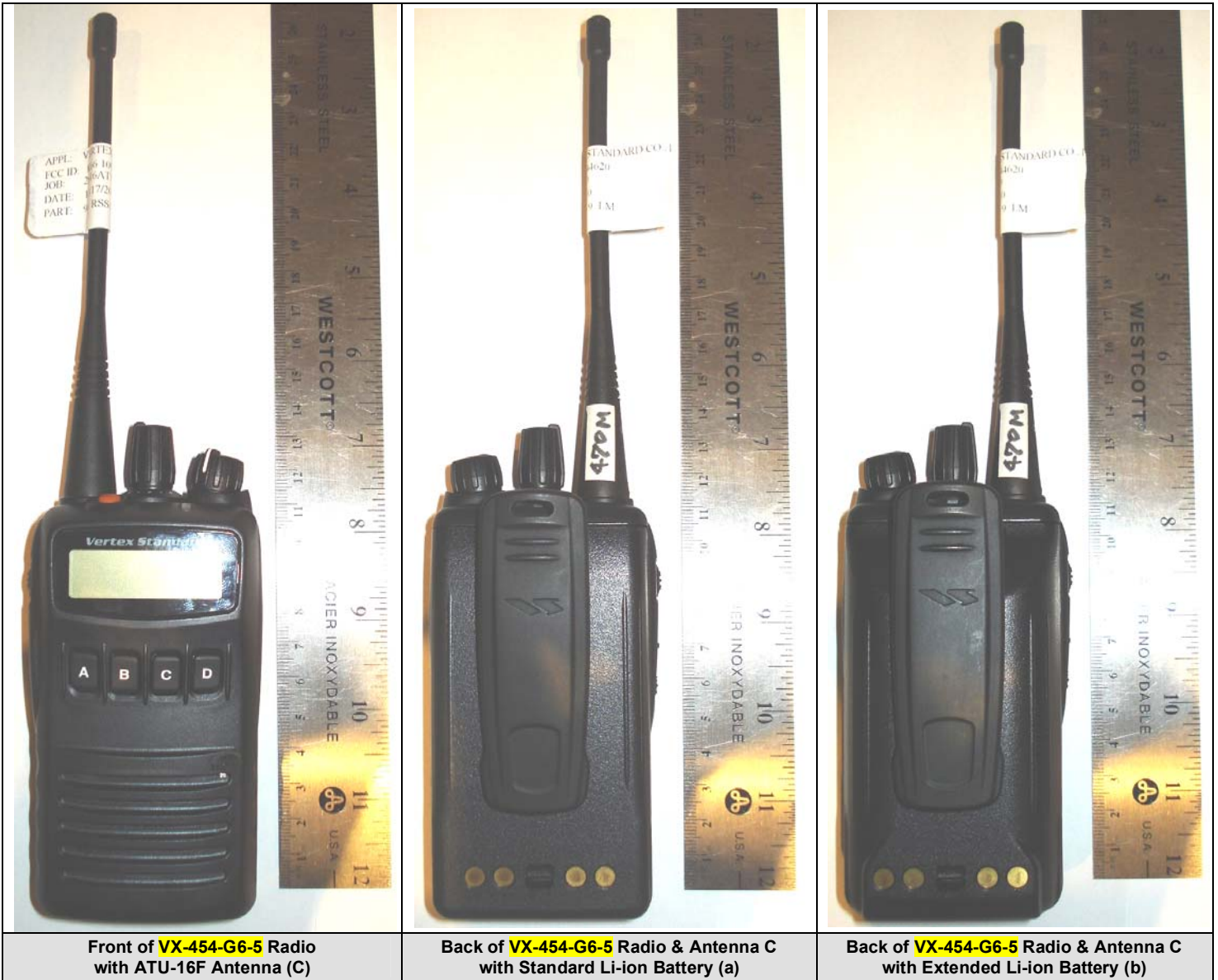
Back of **VX-459-G6-5** Radio & Antenna C with Extended Li-ion Battery (b)



Whip Antenna (C) P/N: ATU-16D (Length = 143 mm)

<b>Applicant:</b>	Vertex Standard Co., Ltd.	<b>FCC ID:</b>	K6610944620	<b>IC:</b>	511B-10944620	 Vertex Standard
<b>DUT Type:</b>	Portable UHF-L PTT Radio Transceiver	<b>Models:</b>	VX-451-G6-5 / VX-454-G6-5 / VX-459-G6-5			
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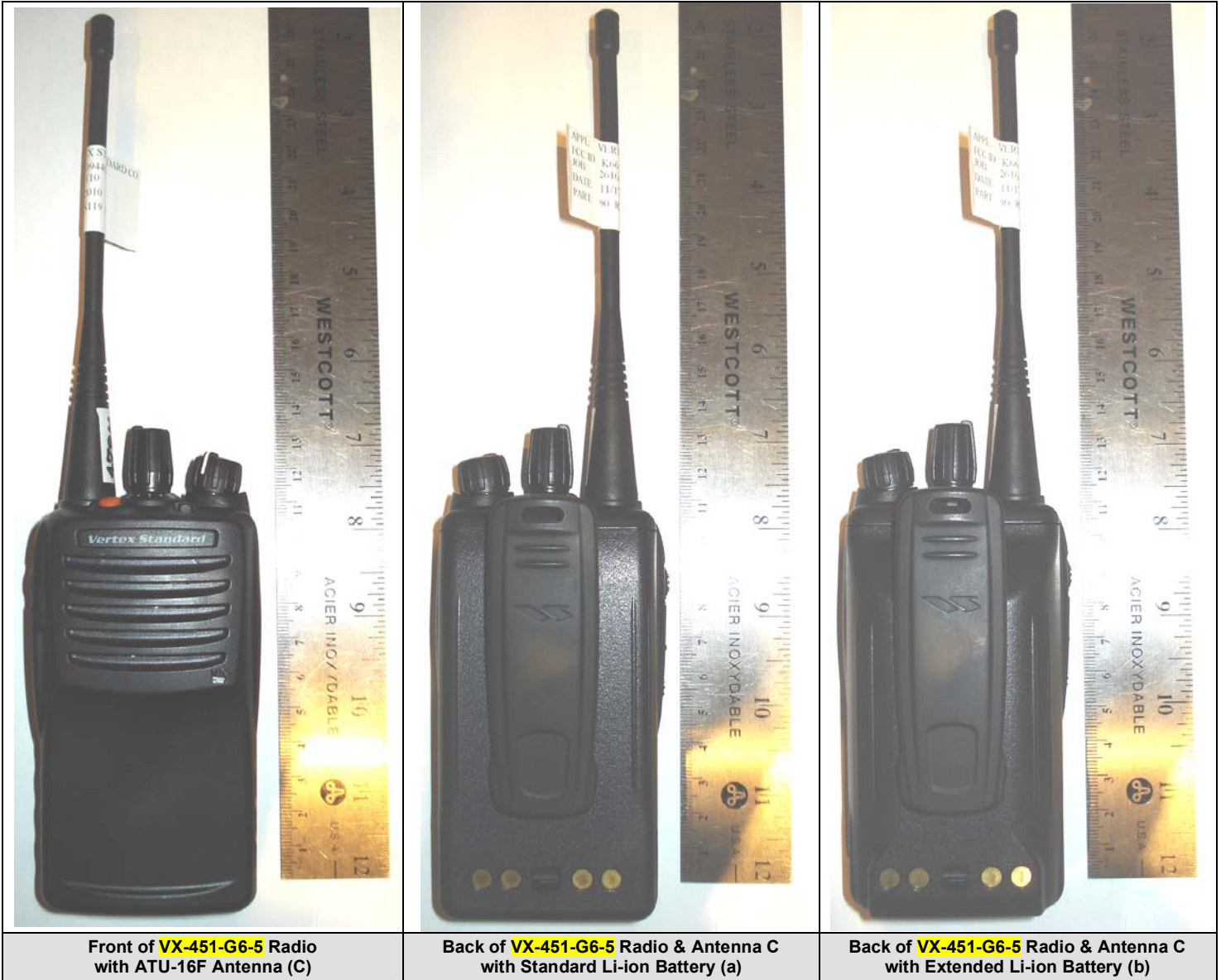
Front of **VX-454-G6-5** Radio with ATU-16F Antenna (C)


Back of **VX-454-G6-5** Radio & Antenna C with Standard Li-ion Battery (a)



Back of **VX-454-G6-5** Radio & Antenna C with Extended Li-ion Battery (b)

<b>Applicant:</b>	Vertex Standard Co., Ltd.	<b>FCC ID:</b>	K6610944620	<b>IC:</b>	511B-10944620	
<b>DUT Type:</b>	Portable UHF-L PTT Radio Transceiver	<b>Models:</b>	VX-451-G6-5 / VX-454-G6-5 / VX-459-G6-5			
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	<u>Test Report Issue Date</u> January 04, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	



<b>Applicant:</b>	Vertex Standard Co., Ltd.	<b>FCC ID:</b>	K6610944620	<b>IC:</b>	511B-10944620	
<b>DUT Type:</b>	Portable UHF-L PTT Radio Transceiver	<b>Models:</b>	VX-451-G6-5 / VX-454-G6-5 / VX-459-G6-5			
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Left Side of Radio with Belt-Clip & Standard Li-ion Battery (a)




Right Side of Radio with Belt-Clip & Standard Li-ion Battery (a)





Bottom end of Radio w/ Belt-Clip & Standard Li-ion Battery (a)



Top end of Radio with Belt-Clip & Standard Li-ion Battery (a)

<b>Applicant:</b>	Vertex Standard Co., Ltd.	<b>FCC ID:</b>	K6610944620	<b>IC:</b>	511B-10944620	 Vertex Standard
<b>DUT Type:</b>	Portable UHF-L PTT Radio Transceiver	<b>Models:</b>	VX-451-G6-5 / VX-454-G6-5 / VX-459-G6-5			
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Left Side of Radio with Belt-Clip & Extended Li-ion Battery (b)




Right Side of Radio with Belt-Clip & Extended Li-ion Battery (b)





Bottom end of Radio w/ Belt-Clip & Extended Li-ion Battery (b)



Top end of Radio with Belt-Clip & Extended Li-ion Battery (b)

<b>Applicant:</b>	Vertex Standard Co., Ltd.	<b>FCC ID:</b>	K6610944620	<b>IC:</b>	511B-10944620	 Vertex Standard
<b>DUT Type:</b>	Portable UHF-L PTT Radio Transceiver	<b>Models:</b>	VX-451-G6-5 / VX-454-G6-5 / VX-459-G6-5			
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	<u>Test Report Issue Date</u> January 04, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	





**Belt-Clip Thickness Measurement Distance – Radio with Standard Li-ion Battery (a)**



**Belt-Clip Thickness Measurement Distance – Radio with Extended Li-ion Battery (b)**

<b>Applicant:</b>	Vertex Standard Co., Ltd.	<b>FCC ID:</b>	K6610944620	<b>IC:</b>	511B-10944620	
<b>DUT Type:</b>	Portable UHF-L PTT Radio Transceiver	<b>Models:</b>	VX-451-G6-5 / VX-454-G6-5 / VX-459-G6-5			
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Front Keypad side of **VX-459-G6-5** Radio (16-Key LCD)




Back of **VX-459-G6-5** Radio with Battery removed





Front Keypad side of **VX-454-G6-5** Radio (4-Key LCD)



Back of **VX-454-G6-5** Radio with Battery removed

<b>Applicant:</b>	Vertex Standard Co., Ltd.	<b>FCC ID:</b>	K6610944620	<b>IC:</b>	511B-10944620	
<b>DUT Type:</b>	Portable UHF-L PTT Radio Transceiver	<b>Models:</b>	VX-451-G6-5 / VX-454-G6-5 / VX-459-G6-5			
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	<u>Test Report Issue Date</u> January 04, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	




Front Keypad side of **VX-451-G6-5** Radio (Non LCD)



Back of **VX-451-G6-5** Radio with Battery removed



Belt-Clip P/N: CLIP-20 (contains metal)

<b>Applicant:</b>	Vertex Standard Co., Ltd.	<b>FCC ID:</b>	K6610944620	<b>IC:</b>	511B-10944620	
<b>DUT Type:</b>	Portable UHF-L PTT Radio Transceiver	<b>Models:</b>	VX-451-G6-5 / VX-454-G6-5 / VX-459-G6-5			
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	<u>Test Report Issue Date</u> January 04, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	



Standard Li-Ion Battery (a) with Belt-Clip



Standard Li-Ion Battery (a) without Belt-Clip



Standard Li-Ion Battery (a) - 1170 mAh




Extended Li-Ion Battery (b) with Belt-Clip





Extended Li-Ion Battery (b) without Belt-Clip



Extended Li-Ion Battery (b) - 2400 mAh


<b>Applicant:</b> Vertex Standard Co., Ltd.	<b>FCC ID:</b> K6610944620	<b>IC:</b> 511B-10944620	
<b>DUT Type:</b> Portable UHF-L PTT Radio Transceiver	<b>Models:</b> VX-451-G6-5 / VX-454-G6-5 / VX-459-G6-5		
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	<u>Test Report Issue Date</u> January 04, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

**HEADSET AUDIO ACCESSORY SELECTED FOR TESTING (AUDIO ACCESSORY CATEGORY #1)**



**Over-the-Head Single-muff Headset (P/N: VH-215S)**


<b>Applicant:</b>	Vertex Standard Co., Ltd.	<b>FCC ID:</b>	K6610944620	<b>IC:</b>	511B-10944620	 Vertex Standard
<b>DUT Type:</b>	Portable UHF-L PTT Radio Transceiver	<b>Models:</b>	VX-451-G6-5 / VX-454-G6-5 / VX-459-G6-5			
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	<u>Test Report Issue Date</u> January 04, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

**EARPIECE AUDIO ACCESSORY SELECTED FOR TESTING (AUDIO ACCESSORY CATEGORY #2)**




**Earpiece Mic with Palm PTT (P/N: VH-120S)**



<b>Applicant:</b>	Vertex Standard Co., Ltd.	<b>FCC ID:</b>	K6610944620	<b>IC:</b>	511B-10944620	 Vertex Standard
<b>DUT Type:</b>	Portable UHF-L PTT Radio Transceiver	<b>Models:</b>	VX-451-G6-5 / VX-454-G6-5 / VX-459-G6-5			
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	<u>Date(s) of Evaluation</u> December 2, 10, 17-18, 2010	<u>Test Report Serial No.</u> 112510K66-T1063-S90U	<u>Test Report Revision No.</u> Rev. 1.1 (2nd Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> January 04, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

**SPEAKER-MICROPHONE AUDIO ACCESSORY SELECTED FOR TESTING (AUDIO ACCESSORY CATEGORY #3)**




<b>Applicant:</b>	Vertex Standard Co., Ltd.	<b>FCC ID:</b>	K6610944620	<b>IC:</b>	511B-10944620	
<b>DUT Type:</b>	Portable UHF-L PTT Radio Transceiver	<b>Models:</b>	VX-451-G6-5 / VX-454-G6-5 / VX-459-G6-5			
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	<u>Test Report Issue Date</u> January 04, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

**ADDITIONAL AUDIO ACCESSORY NOT TESTED (HEADSET AUDIO ACCESSORY CATEGORY #1)**



**Behind-the-Head Headset w/ Boom-Mic (P/N: VH-115S)**


<b>Applicant:</b>	Vertex Standard Co., Ltd.	<b>FCC ID:</b>	K6610944620	<b>IC:</b>	511B-10944620	 Vertex Standard
<b>DUT Type:</b>	Portable UHF-L PTT Radio Transceiver	<b>Models:</b>	VX-451-G6-5 / VX-454-G6-5 / VX-459-G6-5			
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	<u>Test Report Issue Date</u> January 04, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

**ADDITIONAL AUDIO ACCESSORY NOT TESTED (HEADSET AUDIO ACCESSORY CATEGORY #1)**

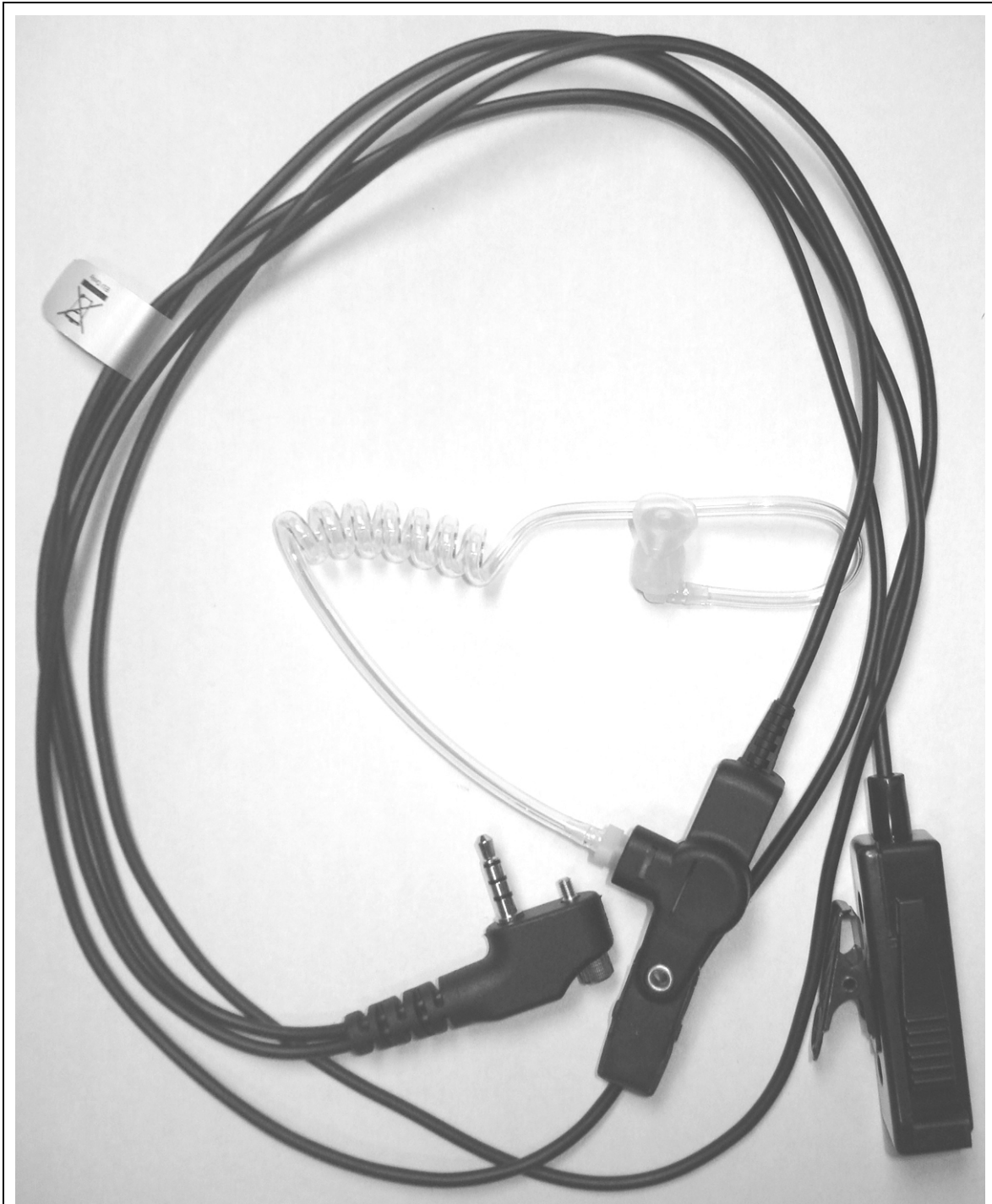


**Over-the-Head VOX Headset (P/N: VC-25)**


<b>Applicant:</b>	Vertex Standard Co., Ltd.	<b>FCC ID:</b>	K6610944620	<b>IC:</b>	511B-10944620	 Vertex Standard
<b>DUT Type:</b>	Portable UHF-L PTT Radio Transceiver	<b>Models:</b>	VX-451-G6-5 / VX-454-G6-5 / VX-459-G6-5			
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	<u>Test Report Issue Date</u> January 04, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

**ADDITIONAL AUDIO ACCESSORY NOT TESTED (EARPIECE AUDIO ACCESSORY CATEGORY #2)**




**Earpiece with Palm-Mic & PTT (P/N: VH-130S)**

<b>Applicant:</b>	Vertex Standard Co., Ltd.	<b>FCC ID:</b>	K6610944620	<b>IC:</b>	511B-10944620	 Vertex Standard
<b>DUT Type:</b>	Portable UHF-L PTT Radio Transceiver	<b>Models:</b>	VX-451-G6-5 / VX-454-G6-5 / VX-459-G6-5			
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**ADDITIONAL AUDIO ACCESSORY NOT TESTED (EARPIECE AUDIO ACCESSORY CATEGORY #2)**




<b>Applicant:</b>	Vertex Standard Co., Ltd.	<b>FCC ID:</b>	K6610944620	<b>IC:</b>	511B-10944620	 Vertex Standard
<b>DUT Type:</b>	Portable UHF-L PTT Radio Transceiver	<b>Models:</b>	VX-451-G6-5 / VX-454-G6-5 / VX-459-G6-5			
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**ADDITIONAL AUDIO ACCESSORY NOT TESTED (SPEAKER-MICROPHONE AUDIO ACCESSORY CATEGORY #3)**




<b>Applicant:</b>	Vertex Standard Co., Ltd.	<b>FCC ID:</b>	K6610944620	<b>IC:</b>	511B-10944620	 Vertex Standard
<b>DUT Type:</b>	Portable UHF-L PTT Radio Transceiver	<b>Models:</b>	VX-451-G6-5 / VX-454-G6-5 / VX-459-G6-5			
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**ADDITIONAL AUDIO ACCESSORY NOT TESTED (SPEAKER-MICROPHONE AUDIO ACCESSORY CATEGORY #3)**



<b>Applicant:</b>	Vertex Standard Co., Ltd.	<b>FCC ID:</b>	K6610944620	<b>IC:</b>	511B-10944620	 Vertex Standard
<b>DUT Type:</b>	Portable UHF-L PTT Radio Transceiver	<b>Models:</b>	VX-451-G6-5 / VX-454-G6-5 / VX-459-G6-5			
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