
	<u>Date(s) of Evaluation</u> 08/30-31, 09/09-10, 11/23, 2010	<u>Test Report Serial No.</u> 082310K66-T1041-S90U	<u>Test Report Revision No.</u> Rev. 1.1 (2nd Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 24, 2010	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	



Front of VX-459-G7-5 Radio with ATU-16D Antenna (A)




Back of VX-459-G7-5 Radio & Antenna A with Standard Li-ion Battery (a)





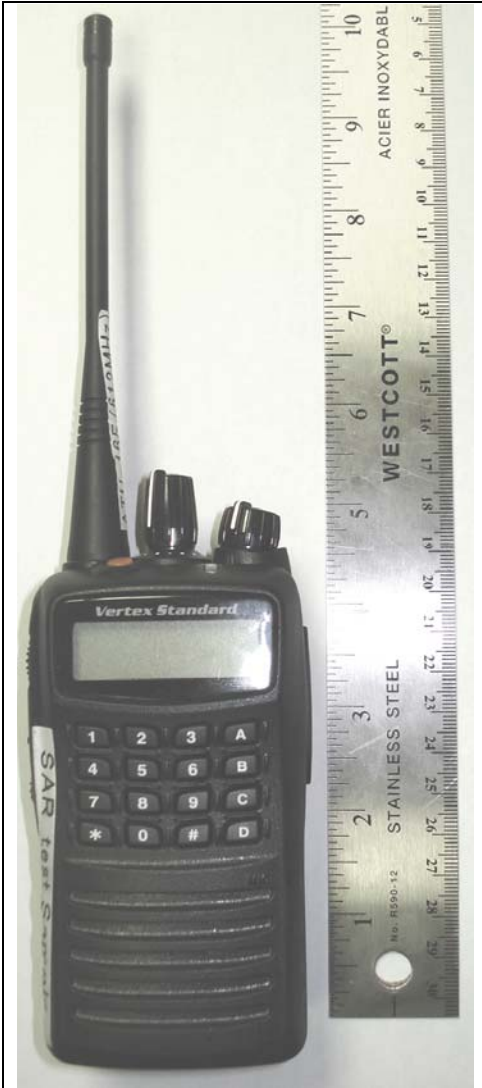
Back of VX-459-G7-5 Radio & Antenna A with Extended Li-ion Battery (b)



Whip Antenna (A) P/N: ATU-16D (Length = 145 mm)

Applicant:	Vertex Standard Co., Ltd.	FCC ID:	K6610944720	IC:	511B-10944720	
DUT Type:	Portable UHF PTT Radio Transceiver	Models:	VX-451-G7-5	VX-454-G7-5	VX-459-G7-5	
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Front of **VX-459-G7-5** Radio with ATU-16F Antenna (B)




Back of **VX-459-G7-5** Radio & Antenna B with Standard Li-ion Battery (a)





Back of **VX-459-G7-5** Radio & Antenna B with Extended Li-ion Battery (b)






Whip Antenna (B) P/N: ATU-16F (Length = 138 mm)

Applicant:	Vertex Standard Co., Ltd.	FCC ID:	K6610944720	IC:	511B-10944720	
DUT Type:	Portable UHF PTT Radio Transceiver	Models:	VX-451-G7-5	VX-454-G7-5	VX-459-G7-5	
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	<u>Test Report Issue Date</u> November 24, 2010	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	



Applicant:	Vertex Standard Co., Ltd.	FCC ID:	K6610944720	IC:	511B-10944720	
DUT Type:	Portable UHF PTT Radio Transceiver	Models:	VX-451-G7-5	VX-454-G7-5	VX-459-G7-5	
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	<u>Test Report Issue Date</u> November 24, 2010	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	




Front of **VX-451-G7-5** Radio & Antenna B with ATU-16F Antenna (B)





Back of **VX-451-G7-5** Radio & Antenna B with Standard Li-ion Battery (a)



Back of **VX-451-G7-5** Radio & Antenna B with Extended Li-ion Battery (b)

Applicant:	Vertex Standard Co., Ltd.	FCC ID:	K6610944720	IC:	511B-10944720	
DUT Type:	Portable UHF PTT Radio Transceiver	Models:	VX-451-G7-5	VX-454-G7-5	VX-459-G7-5	
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	<u>Test Report Issue Date</u> November 24, 2010	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	



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)

Applicant: Vertex Standard Co., Ltd.	FCC ID: K6610944720	IC: 511B-10944720		
DUT Type: Portable UHF PTT Radio Transceiver	Models: VX-451-G7-5	VX-454-G7-5		VX-459-G7-5
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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)

Applicant: Vertex Standard Co., Ltd.	FCC ID: K6610944720	IC: 511B-10944720		
DUT Type: Portable UHF PTT Radio Transceiver	Models: VX-451-G7-5	VX-454-G7-5		VX-459-G7-5
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	<u>Test Report Issue Date</u> November 24, 2010	<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)

Applicant:	Vertex Standard Co., Ltd.	FCC ID:	K6610944720	IC:	511B-10944720	
DUT Type:	Portable UHF PTT Radio Transceiver	Models:	VX-451-G7-5	VX-454-G7-5	VX-459-G7-5	
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	<u>Date(s) of Evaluation</u> 08/30-31, 09/09-10, 11/23, 2010	<u>Test Report Serial No.</u> 082310K66-T1041-S90U	<u>Test Report Revision No.</u> Rev. 1.1 (2nd Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 24, 2010	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	



Front Keypad side of **VX-459-G7-5** Radio




Back of **VX-459-G7-5** Radio with Battery removed





Front Keypad side of **VX-454-G7-5** Radio



Back of **VX-454-G7-5** Radio with Battery removed

Applicant:	Vertex Standard Co., Ltd.	FCC ID:	K6610944720	IC:	511B-10944720	
DUT Type:	Portable UHF PTT Radio Transceiver	Models:	VX-451-G7-5	VX-454-G7-5	VX-459-G7-5	
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	<u>Date(s) of Evaluation</u> 08/30-31, 09/09-10, 11/23, 2010	<u>Test Report Serial No.</u> 082310K66-T1041-S90U	<u>Test Report Revision No.</u> Rev. 1.1 (2nd Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 24, 2010	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	




Front Keypad side of **VX-451-G7-5** Radio





Back of **VX-451-G7-5** Radio with Battery removed



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

Applicant:	Vertex Standard Co., Ltd.	FCC ID:	K6610944720	IC:	511B-10944720	
DUT Type:	Portable UHF PTT Radio Transceiver	Models:	VX-451-G7-5	VX-454-G7-5	VX-459-G7-5	
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	<u>Date(s) of Evaluation</u> 08/30-31, 09/09-10, 11/23, 2010	<u>Test Report Serial No.</u> 082310K66-T1041-S90U	<u>Test Report Revision No.</u> Rev. 1.1 (2nd Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 24, 2010	<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


Applicant:	Vertex Standard Co., Ltd.	FCC ID:	K6610944720	IC:	511B-10944720	
DUT Type:	Portable UHF PTT Radio Transceiver	Models:	VX-451-G7-5	VX-454-G7-5	VX-459-G7-5	
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	<u>Test Report Issue Date</u> November 24, 2010	<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)


Applicant:	Vertex Standard Co., Ltd.	FCC ID:	K6610944720	IC:	511B-10944720	
DUT Type:	Portable UHF PTT Radio Transceiver	Models:	VX-451-G7-5	VX-454-G7-5	VX-459-G7-5	
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	<u>Date(s) of Evaluation</u> 08/30-31, 09/09-10, 11/23, 2010	<u>Test Report Serial No.</u> 082310K66-T1041-S90U	<u>Test Report Revision No.</u> Rev. 1.1 (2nd Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> November 24, 2010	<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)



Applicant:	Vertex Standard Co., Ltd.	FCC ID:	K6610944720	IC:	511B-10944720	
DUT Type:	Portable UHF PTT Radio Transceiver	Models:	VX-451-G7-5	VX-454-G7-5	VX-459-G7-5	
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	<u>Test Report Issue Date</u> November 24, 2010	<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)




Applicant:	Vertex Standard Co., Ltd.	FCC ID:	K6610944720	IC:	511B-10944720	
DUT Type:	Portable UHF PTT Radio Transceiver	Models:	VX-451-G7-5	VX-454-G7-5	VX-459-G7-5	
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	<u>Test Report Issue Date</u> November 24, 2010	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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



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


Applicant:	Vertex Standard Co., Ltd.	FCC ID:	K6610944720	IC:	511B-10944720	
DUT Type:	Portable UHF PTT Radio Transceiver	Models:	VX-451-G7-5	VX-454-G7-5	VX-459-G7-5	
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	<u>Test Report Issue Date</u> November 24, 2010	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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

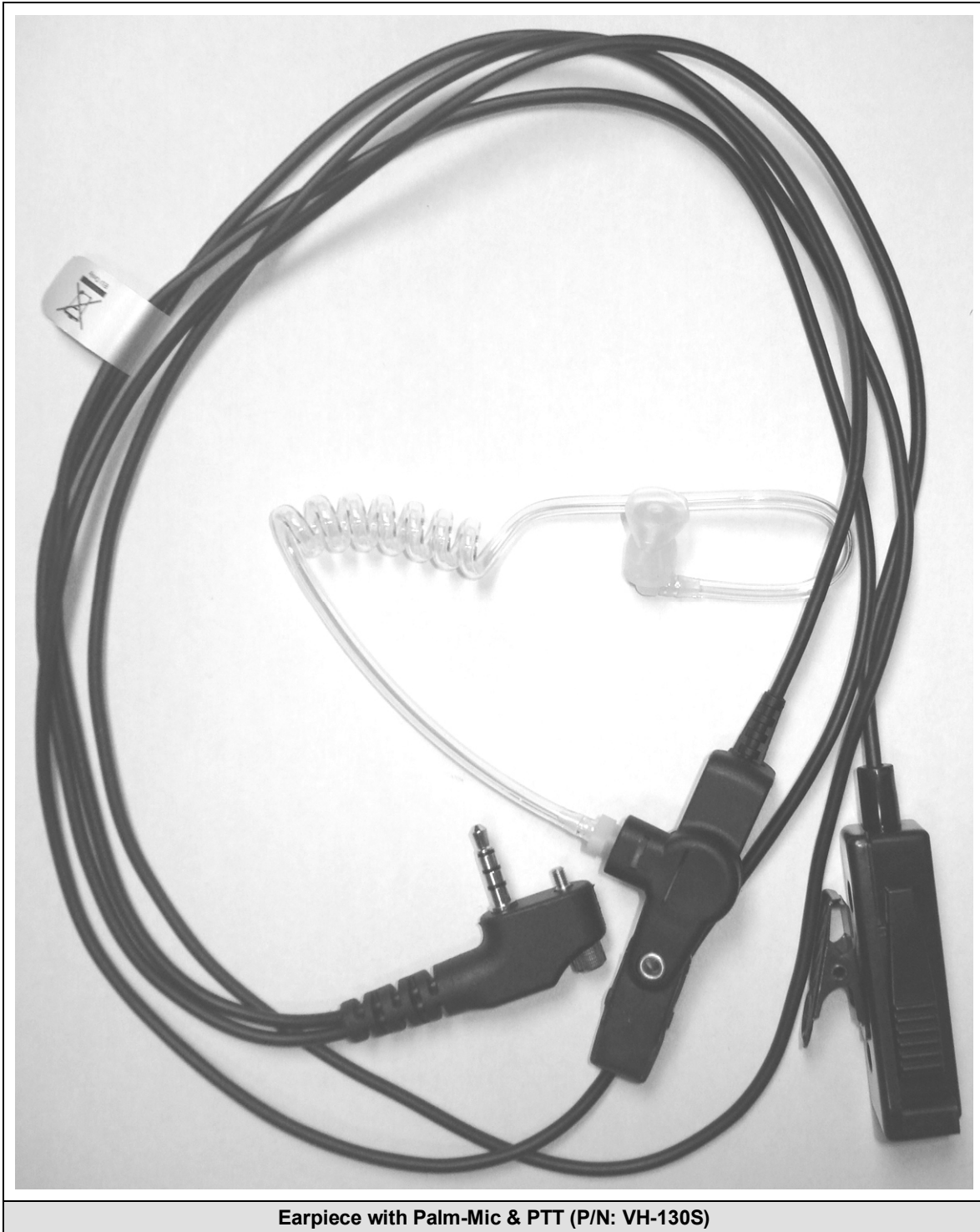



Over-the-Head VOX Headset (P/N: VC-25)



Applicant:	Vertex Standard Co., Ltd.	FCC ID:	K6610944720	IC:	511B-10944720	
DUT Type:	Portable UHF PTT Radio Transceiver	Models:	VX-451-G7-5	VX-454-G7-5	VX-459-G7-5	
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	<u>Test Report Issue Date</u> November 24, 2010	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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






Applicant:	Vertex Standard Co., Ltd.	FCC ID:	K6610944720	IC:	511B-10944720	
DUT Type:	Portable UHF PTT Radio Transceiver	Models:	VX-451-G7-5	VX-454-G7-5	VX-459-G7-5	
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AUDIO ACCESSORY NOT TESTED (EARPIECE AUDIO ACCESSORY CATEGORY #2)






Applicant:	Vertex Standard Co., Ltd.	FCC ID:	K6610944720	IC:	511B-10944720	
DUT Type:	Portable UHF PTT Radio Transceiver	Models:	VX-451-G7-5	VX-454-G7-5	VX-459-G7-5	
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AUDIO ACCESSORY NOT TESTED (SPEAKER-MICROPHONE AUDIO ACCESSORY CATEGORY #3)




Applicant:	Vertex Standard Co., Ltd.	FCC ID:	K6610944720	IC:	511B-10944720	
DUT Type:	Portable UHF PTT Radio Transceiver	Models:	VX-451-G7-5	VX-454-G7-5	VX-459-G7-5	
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AUDIO ACCESSORY NOT TESTED (SPEAKER-MICROPHONE AUDIO ACCESSORY CATEGORY #3)



Applicant:	Vertex Standard Co., Ltd.	FCC ID:	K6610944720	IC:	511B-10944720	
DUT Type:	Portable UHF PTT Radio Transceiver	Models:	VX-451-G7-5	VX-454-G7-5	VX-459-G7-5	
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