



Front of Radio with ATU-16D Antenna (A)



Back of Radio w/ Standard Li-ion Battery (a)

Back of Radio w/ Extended Li-ion Battery (b)



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

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|-------------------------|------------------------------------|--|-------------|-------------|---------------|---------------|
| 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, 2010 | <u>Test Report Serial No.</u> 082310K66-T1041-S90U | <u>Test Report Revision No.</u> Rev. 1.0 (Initial Release) |  Test Lab Certificate No. 2470.01 |
| | <u>Test Report Issue Date</u> October 19, 2010 | <u>Description of Test(s)</u> Specific Absorption Rate | <u>RF Exposure Category</u> Occupational (Controlled) | |



Front of Radio with ATU-16F Antenna (B)




Back of Radio with Standard Li-ion Battery (a)





Back of Radio w/ Extended Li-ion Battery (b)



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

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| 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 & 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)

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|-------------------------|------------------------------------|--|-------------|-------------|---------------|---|
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| 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)

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| DUT Type: | Portable UHF PTT Radio Transceiver | Models: | VX-451-G7-5 | VX-454-G7-5 | VX-459-G7-5 | |
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Belt-Clip Thickness Measurement Distance – Radio with Standard Li-ion Battery (a)



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



Front Keypad side of Radio





Back of Radio with Battery removed



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

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| DUT Type: | Portable UHF PTT Radio Transceiver | Models: | VX-451-G7-5 | VX-454-G7-5 | VX-459-G7-5 | |
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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


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



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


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| DUT Type: | Portable UHF PTT Radio Transceiver | Models: | VX-451-G7-5 | VX-454-G7-5 | VX-459-G7-5 | |
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EARPIECE AUDIO ACCESSORY SELECTED FOR TESTING (AUDIO ACCESSORY CATEGORY #2)




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



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|-------------------------|------------------------------------|--|-------------|-------------|---------------|---|
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| DUT Type: | Portable UHF PTT Radio Transceiver | Models: | VX-451-G7-5 | VX-454-G7-5 | VX-459-G7-5 | |
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SPEAKER-MICROPHONE AUDIO ACCESSORY SELECTED FOR TESTING (AUDIO ACCESSORY CATEGORY #3)




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|-------------------------|------------------------------------|--|-------------|-------------|---------------|---|
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| 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 (HEADSET AUDIO ACCESSORY CATEGORY #1)



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


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|-------------------------|------------------------------------|--|-------------|-------------|---------------|---|
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| 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 (HEADSET AUDIO ACCESSORY CATEGORY #1)

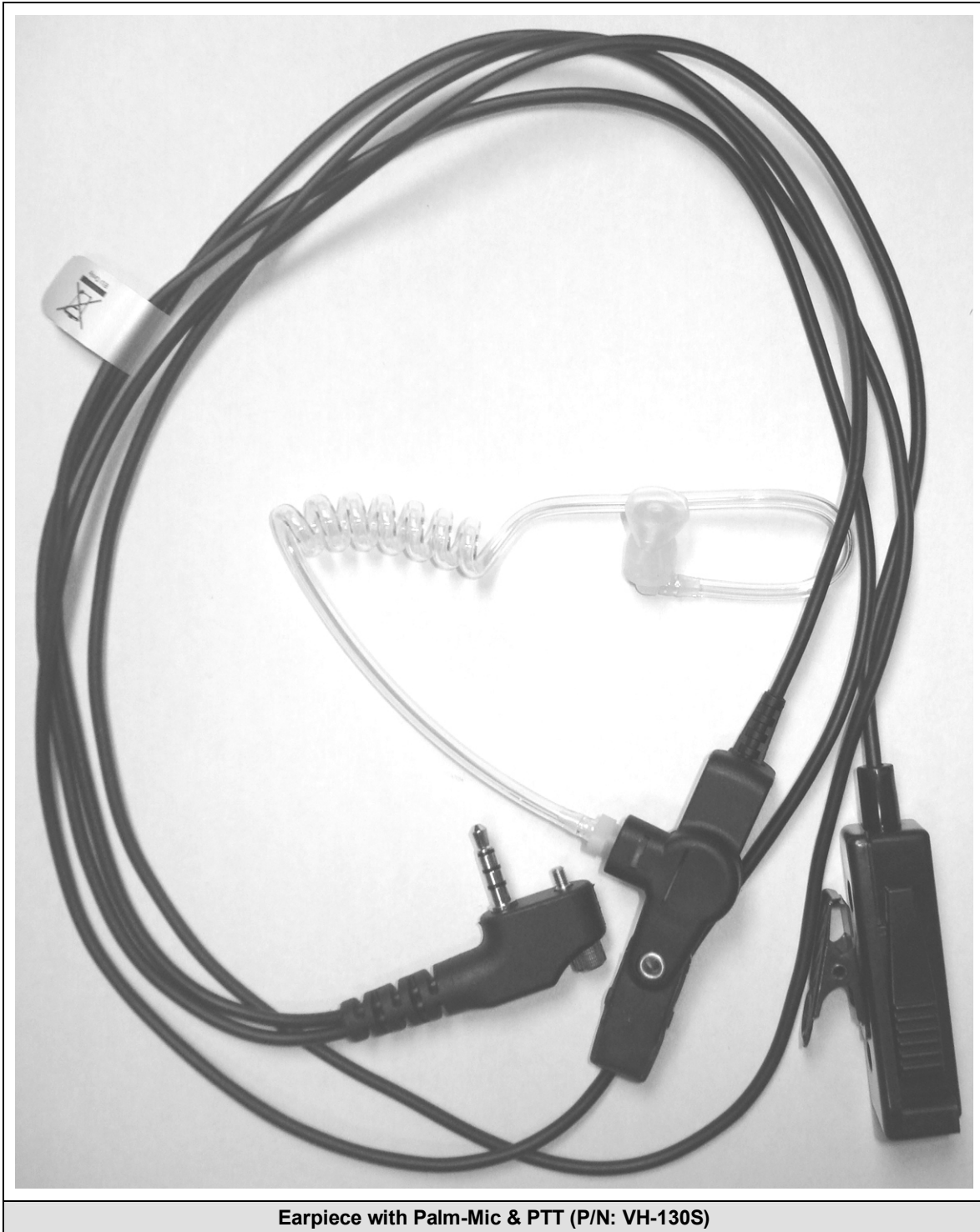



Over-the-Head VOX Headset (P/N: VC-25)



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






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






| | | | | | | |
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AUDIO ACCESSORY NOT TESTED (SPEAKER-MICROPHONE AUDIO ACCESSORY CATEGORY #3)




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AUDIO ACCESSORY NOT TESTED (SPEAKER-MICROPHONE AUDIO ACCESSORY CATEGORY #3)



| | | | | | | |
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