

## ALMR COMMUNICATIONS SYSTEM - RADIO ACCEPTANCE TEST PROCEDURES

CRITERIA (NOTE: THESE TESTS CONSTITUTE THE ' <u>MINIMUM</u> ' REQUIREMENTS NECESSARY TO OPERATE ON ALMR)	MAKE	EFJOHNSON		KENWOOD		MOTOROLA			
	MODEL TYPE	5100 Portable	5300 Mobile	TK5210 Portable	TK5710/5810 Mobile	XTS2500 Portable	XTS5000 Portable	XTL5000 Mobile	APX 7000 (see note 3)
TALKGROUP CALL		PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
SECURE OPERATION		PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
MULTIGROUP CALL FOR WAIT MODE		PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
MULTIGROUP CALL FOR INTERRUPT MODE		PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
PRIVATE CALL		PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
CALL ALERT		PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
EMERGENCY ALARM/CALL WITH EMERGENCY ID (TOP OF QUEUE)		PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
BUSY QUEUING AND CALLBACK WITH TEN TALKGROUP PRIORITY LEVELS		PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
CONTINUOUS ASSIGNMENT UPDATING		PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
MULTI-ZONE ROAMING (CONDITIONAL TEST)		PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
SITE ACCESS CONTROL/ "INDIVIDUAL ONLY" SITE ACCESS DENIAL		PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
SITE ACCESS CONTROL/ "TALKGROUP ONLY" SITE ACCESS DENIAL		PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
ALL START TALKGROUP		PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
FAST START TALKGROUP WITHOUT CRITICAL SITE		PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
SUBSCRIBER TO LANDLINE TELEPHONE INTERCONNECT		PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
LANDLINE TO SUBSCRIBER TELEPHONE INTERCONNECT - USING THE DOD INTERCONNECT		PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
AUDIO INTERRUPT/INTERRUPT NEVER MODE		PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
AUDIO INTERRUPT/INTERRUPT ALWAYS MODE		PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
RECENT USER PRIORITY		PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
SITE TRUNKING TALKGROUP CALL		PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
SITE TRUNKING PRIVATE CALL		PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
SITE TRUNKING CALL ALERT		PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
SITE TRUNKING BUSY QUEUING AND CALLBACK		PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
SITE TRUNKING EMERGENCY CALL AND ALARM		PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
SITE TRUNKING CONTINUOUS ASSIGNMENT UPDATING		PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
SITE TRUNKING ROAMING TO WIDE AREA SITES		PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
TALKGROUP SELECTION AND CALL		PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
CONSOLE ASTRO SECURE TALKGROUP CALL		PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS

Note 3 - The APX was only tested for operational use on the VHF ALMR System. Other capabilities beyond that cannot be certified.

The data provided is not a certification, implied or otherwise, of any product listed. It is presented to users only as a means of providing information on how each product performed on the ALMR System against the specified protocols of the test. Individuals considering purchasing any radio, regardless of the make/model, are encouraged to request a loaner from the vendor for their own testing and verification purposes. Individual makes/models may have additional features not tested.

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CRITERIA (NOTE: THESE TESTS CONSTITUTE THE ' <u>MINIMUM</u> ' REQUIREMENTS NECESSARY TO OPERATE ON ALMR)	MAKE	EFJOHNSON (cont)		KENWOOD (cont)		MOTOROLA (cont)			
	MODEL TYPE	5100 Portable	5300 Mobile	TK5210 Portable	TK5710/5810 Mobile	XTS2500 Portable	XTS5000 Portable	XTL5000 Mobile	APX 7000 (see note 3)
MULTIGROUP CALL		PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
TALKGROUP PATCH		PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
CONSOLE INITIATED PRIVATE CALL		PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
EMERGENCY ALARM AND CALL DISPLAY		PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
CONSOLE INITIATED EMERGENCY		PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
PTT UNIT ID/ALIAS DISPLAY		PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
CONSOLE INITIATED TACTICAL/NORMAL PRIORITY		PASS	PASS	PASS	PASS	PASS	PASS	PASS	N/A
ALERT TONES		PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
CONVENTIONAL RADIO RESOURCE		PASS	PASS	PASS	PASS	PASS	PASS	PASS	N/A
INTEROPERABILITY TEST		PASS	PASS	PASS	PASS	PASS	PASS	PASS	N/A

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CRITERIA (NOTE: THESE TESTS CONSTITUTE THE 'MINIMUM' REQUIREMENTS NECESSARY TO OPERATE ON ALMR)	MAKE	RELM		TAIT					
	MODEL TYPE	KNG P150 Portable	KNG M150 Mobile	TP9100 Portable	TM9155 Mobile				
TALKGROUP CALL		PASS	PASS	PASS	PASS				
SECURE OPERATION		PASS	PASS	PASS	PASS				
MULTIGROUP CALL FOR WAIT MODE		PASS	PASS	PASS	PASS				
MULTIGROUP CALL FOR INTERRUPT MODE		PASS	PASS	PASS	PASS				
PRIVATE CALL		PASS	PASS	PASS	PASS				
CALL ALERT		PASS	PASS	PASS	PASS				
EMERGENCY ALARM/CALL WITH EMERGENCY ID (TOP OF QUEUE)		PASS	PASS	PASS	PASS				
BUSY QUEUING AND CALLBACK WITH TEN TALKGROUP PRIORITY LEVELS		PASS	PASS	PASS	PASS				
CONTINUOUS ASSIGNMENT UPDATING		PASS	PASS	PASS	PASS				
MULTI-ZONE ROAMING (CONDITIONAL TEST)		PASS	PASS	PASS	PASS				
SITE ACCESS CONTROL/ "INDIVIDUAL ONLY" SITE ACCESS DENIAL		PASS	PASS	PASS	PASS				
SITE ACCESS CONTROL/ "TALKGROUP ONLY" SITE ACCESS DENIAL		PASS	PASS	PASS	PASS				
ALL START TALKGROUP		PASS	PASS	PASS	PASS				
FAST START TALKGROUP WITHOUT CRITICAL SITE		PASS	PASS	PASS	PASS				
SUBSCRIBER TO LANDLINE TELEPHONE INTERCONNECT USING THE DOD INTERCONNECT		PASS	PASS	PASS	PASS				
AUDIO INTERRUPT/INTERRUPT NEVER MODE		PASS	PASS	PASS	PASS				
AUDIO INTERRUPT/INTERRUPT ALWAYS MODE		PASS	PASS	PASS	PASS				
RECENT USER PRIORITY		PASS	PASS	PASS	PASS				
SITE TRUNKING TALKGROUP CALL		PASS	PASS	PASS	PASS				
SITE TRUNKING PRIVATE CALL		PASS	PASS	PASS	PASS				
SITE TRUNKING CALL ALERT		PASS	PASS	PASS	PASS				
SITE TRUNKING BUSY QUEUING AND CALLBACK		PASS	PASS	PASS	PASS				
SITE TRUNKING EMERGENCY CALL AND ALARM		PASS	PASS	PASS	PASS				
SITE TRUNKING CONTINUOUS ASSIGNMENT UPDATING		PASS	PASS	PASS	PASS				
SITE TRUNKING ROAMING TO WIDE AREA SITES		PASS	PASS	PASS	PASS				
TALKGROUP SELECTION AND CALL		PASS	PASS	PASS	PASS				
CONSOLE ASTRO SECURE TALKGROUP CALL		PASS	PASS	PASS	PASS				

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CRITERIA (NOTE: THESE TESTS CONSTITUTE THE ' <u>MINIMUM</u> ' REQUIREMENTS NECESSARY TO OPERATE ON ALMR)	MAKE	RELM (cont)		TAIT (cont)					
	MODEL TYPE	KNG P150 Portable	KNG M150 Mobile	TP9100 Portable	TM9155 Mobile				
MULTIGROUP CALL		PASS *see note 2	PASS *see note 2	PASS *see note 1	PASS *see note 1				
TALKGROUP PATCH		PASS	PASS	PASS	PASS				
CONSOLE INITIATED PRIVATE CALL		PASS	PASS	PASS	PASS				
EMERGENCY ALARM AND CALL DISPLAY		PASS	PASS	PASS	PASS				
CONSOLE INITIATED EMERGENCY		PASS	PASS	N/A	N/A				
PTT UNIT ID/ALIAS DISPLAY		PASS	PASS	PASS	PASS				
CONSOLE INITIATED TACTICAL/NORMAL PRIORITY		PASS	PASS	N/A	N/A				
ALERT TONES		PASS	PASS	PASS	PASS				
CONVENTIONAL RADIO RESOURCE		PASS	PASS	N/A	N/A				
INTEROPERABILITY TEST		PASS	PASS	PASS	PASS				

Note 1 – During the initial testing the radios could not respond to the Multigroup calls on the Multigroup. They were denied access during the hang time and after would respond on the Talkgroup they were affiliated with. The Tait representative worked on the problem and was able to pass the re-test on Jul 20, 2010.

Note 2 - During the initial test on Oct 13, 2010, the radios could not respond to the Multigroup calls on the Multigroup. They were also denied access during the hang time and would not respond on the Talkgroup they were affiliated with. The Relm representatives worked these two issues and was able to perform the procedures during a follow-up test on Jan 14, 2011.

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