Engineer: Chris Samios	Date: 6/19/02	Raytheon					
Drawn: Jack Curtis	Date: 6/19/02		JPS Commo			_	
Approved: CTS	Date: 6/19/02	Title: ACU RADIO APPLICATION NOTES					
Issued/ Revised	Date: 3/24/04	Size:	Dwg. #: 5961-271216-APP	Rev:	Sheet:	Of	1

APPLIES TO: Motorola MICOM-2E Mobile Radio (DB-25 Accessory Connector)

RADIO MODIFICATIONS: None required.

RADIO PROGRAMMING:

1. Mobile radios should normally be programmed for low transmit power.

RADIO CONTROLS:

1. Adjust the Volume Control until the yellow "SIGNAL" indicator on the associated DSP Module flashes with receive audio.

CABLING:

Standard ACU-1000 and ACU-T Interface cables are made up of a 2 foot TRP Radio Tray Interface cable and the appropriate 13-foot Extension cable.

ACU-1000 Interface Cable	JPS P/N 5961-291216	(5961-271216 + 5961-261002-00)
ACU-T Interface Cable	JPS P/N 5961-281216	(5961-271216+5961-281013-00)
TRP-1000 Shelf Interface Cable	JPS P/N 5961-271216	
Radio RF Connector Type	Type-N Female	

DSP PROGRAMMING:

RX Level	3*	0dBm*
TX Level	6*	0dBm*
Squelch Type	COR	
COR Polarity	Active Low*	
High Frequency Equalizer	4*	Flat*
RX Audio Delay	2*	100 ms*
TX Audio Delay (Radio Type)	0*	No Delay*
Noise Reduction Value	0*	Off*
VOX/VMR Threshold	1*	Med1*
VOX/VMR Hang Time	3*	775 ms*
COR Inhibit After PTT	1*	100 ms*
All Others	As needed	

(* Indicates Default Value)

NOTES:

The interface cable for this radio consists of a cable with a male connector, and a female to female gender changer. The gender changer must be installed to the radio before the cable itself is connected.

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