SECTION 6. TECHNICAL DATA

EQUIPMENT SPECIFICATIONS

Base Station

GENERAL —	
Frequency Range:	All, 2400 – 2483.5 MHz
	Low, 2401.92 to 2439.94 MHz
	High, 2443.39 to 2481.41 MHz
Frequency Response:	200 Hz to 3.5 kHz
Power Requirements:	100-240VAC, 50-60Hz
	12-14VDC or six AA batteries (NiMH optional)
Temperature Range:	32-122°F (0-50°C)
Size:	8" x 8" x 3.5" (20.32 x 20.32 x 8.89 cm)
Weight:	2.75 lb with battery (1.25 kg)
# of Beltpacs per Base:	15 can be registered; any 4 can have simultaneous full-duplex communication at one time (in single channel mode)
8-Wire I/O:	RJ45, 600 Ω balanced out, high impedance in
Auxiliary Audio:	10-Ckt Phoenix connector, 600Ω balanced out, high impedance in,
,	level adjustable
Headset Connectors:	4-pin mini-DIN
Electret microphone:	45 ΚΩ
Headset Output:	200mW into 32 Ω
Top Panel Controls	
and Indicators:	Power button
	Left and Right headset controls
	Rotary knobs for headset volume (VOL) adjustment
	Headset SELECT buttons (O=Offense, X=Defense or ALL)
	Headset TALK buttons
	Registration controls
	CLEAR/BAND button
	REGISTER button RESET switch (recessed)
	STATUS indicator
	Headset transmit dual-color LEDs, left and right (red/green) – O, X, ALL
	RECEIVE LEDs (green) – O, X, ALL
Front Panel:	Auxiliary input and output level adjustments
Left Panel:	8-wire audio port
	Microphone gain adjustment
	Left headset connector
Right Panel:	Right headset connector
	Microphone gain adjustment
	8-wire audio port
	Single/Dual selection switch
	Primary/Secondary selection switch
Rear Panel:	Auxiliary input and output connectors
Austana Tura	Antenna connectors
Antenna Type:	External ¹ / ₂ -wave dipole (R-TNC connector)
System Distortion:	RX/TX horizontal/vertical diversity
Communication Security:	64-bit encryption dual-slot diversity
Communication Security.	or one yption dual-siot diversity

TRANSMITTER —

Type: Transmit Power: Modulation Type: Frequency Stability: Harmonics/Spurious:

RECEIVER —

Type: RF Sensitivity: Frequency Stability: Distortion: Frequency hopping, spread spectrum 100mW burst Gaussian filtered FSK, TDMA 13 ppm Exceeds FCC and ETSI specifications over temperature

Frequency hopping, spread spectrum <-90dBm w 10⁻³ BER 13 ppm <2%

Beltpac

* Frequency Range: 2400 MHz – 2483.5 MHz Antenna: Internal, horizontal/vertical diversity Frequency Response: 200 Hz to 3.5 kHz Transmit Power: 100mW burst <-90dBm w 10⁻³ BER **RF** Sensitivity: Battery Requirements: 3.6V lithium ion, rechargeable Battery Life: Hands-free – up to 14 hours PTT – up to 20 hours Temperature Range: 32-122°F (0-50°C) 7.4 oz (.21 kg) with battery and pouch Weight: Headset Connector: 4-pin, mini-DIN Electret Microphone: Headset Output: 160mW into 32Ω Controls: Power PWR, Volume-up ▲, Volume-down ▼, O, X, ALL Indicators: Dual-color LED (red/green)

All-In-One Headset

* Frequency Range: Antenna: Frequency Response: Transmit Power: RF Sensitivity: Battery Requirements: Battery Life: Temperature Range: Weight: Microphone: Headset Output: Controls: Indicators:	2400 MHz – 2483.5 MHz Internal 200 Hz to 3.5 kHz 100mW burst <-90dBm w 10 ⁻³ BER 3.6V lithium ion, rechargeable Hands-free – up to 14 hours PTT – up to 20 hours 32-122°F (0-50°C) 5.7 oz (.16 kg) with battery Electret 160mW into 32Ω Power, Volume-up ▲, Volume-down ▼, O, X, ALL Transmit LED (red in defense / green in offense)
	Transmit LED (red in defense / green in offense) Power LED (red/green)

* **NOTE:** Communicators will follow the frequency range determined by the setting on the Base Station (e.g. All, Low or High).