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- NOTES:
- LOGO LOCATION.
 - LABEL SIZE, SHAPE, AND CONTENTS TO BE APPROVED BY MAGELLAN.
 - TOLERANCES: .XX ± .03
.XXX ± .010
 - AEROANTENNA LABEL SHALL INCLUDE MAGELLAN P/N.

SPECIFICATION:

FREQUENCY: 1227 ±10 MHz
 1575 ±10 MHz

POLARIZATION: RIGHT HAND CIRCULAR

AXIAL RATIO: 3 dB MAX

RADIATION COVERAGE: 4.0 dBi $\theta = 0^\circ$
 -1.0 dBi $0^\circ < \theta < 75^\circ$
 -2.5 dBi $75^\circ < \theta < 80^\circ$
 -4.5 dBi $80^\circ < \theta < 85^\circ$
 -7.5 dBi $\theta = 90^\circ$

AMPLIFIER: SPECIFY

GAIN: 2.5 dB MAX

NOISE FIGURE: 50 OHMS

IMPEDANCE: 50 OHMS

VSWR: ≤2.0:1

BAND REJECTION: 35 dB

POWER; HANDLING: 1 WATT

FINISH: WEATHERABLE POLYMER

CONNECTOR: SPECIFY

WEIGHT: 15 OZ. MAX

ALTITUDE: 20,000'

OPERATING TEMP: -40°C TO +70°C

DESIGNED TO: DO-160

FAX MEMO PRODUCTION

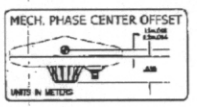
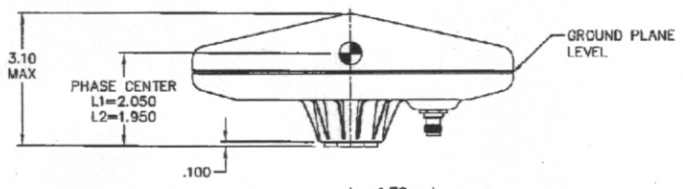
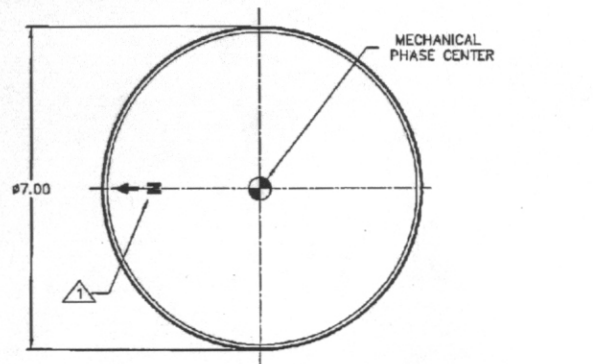
PAGES: 1 DATE: 5/21 FAX: 408 615 9200

TO: ANGEIA Williams JUN 26 2000

FROM: Aero Antenna

CO. 818 493 3842 FAX: 818 493 4572

RELEASED



DETAIL A
 SCALE: 2/1

PART NO. DESIGNATION:

AT2775-42AX-XXXX-XXX-XX-XX-XX

CUSTOMER: A = ASHTECH

COLOR: W = WHITE
 S = SMOKE GRAY
 O = OLIVE DRAB
 B = BLUE

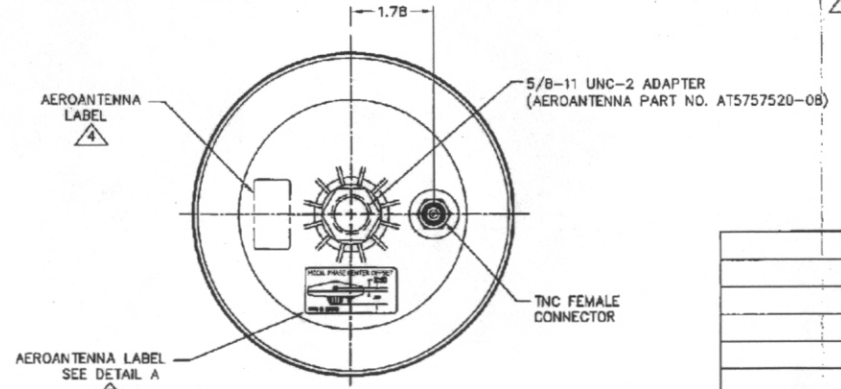
MAGNET: NM = NO MAGNET
 IM = INTERNAL
 RM = REMOVABLE
 HD = HEAVY DUTY

CONNECTOR: GAIN (± 2 dB)
 TNCM = TNC MALE 00 = PASSIVE
 TNCF = TNC FEMALE 12 = 12 dB (20 mA)
 BNCM = BNC MALE 26 = 26 dB (35 mA)
 BNCF = BNC FEMALE 36 = 36 dB (50 mA)
 MCFM = MCF MALE XX = OTHER

VOLTAGE: 00 = PASSIVE
 05 = +5 VDC
 RG = +5 TO +18 VDC
 XX = OTHER

CABLE LENGTH: * 000 = IN INCHES

L1 = .05207m
 L2 = .04953m



† = OPTION NOT AVAILABLE WITH THIS MODEL

STANDARD MODEL = AT2775-42AW-TNCF-000-RG-36-NM
 (ASHTECH/MAGELLAN P/N: 105645)

Marine IV 105645 ORIGINAL

DO NOT SCALE THIS DRAWING ALL DIMENSIONS ARE IN INCHES DIMENSIONING & TOLERANCING PER ANSI Y14.5M-1982 TOLERANCES: .01-.049 ±.01 .05-.099 ±.005 .10-.499 ±.01 .50-1.999 ±.015 2.0-4.999 ±.02 5.0-9.999 ±.03 10-49.999 ±.04 50-99.999 ±.05 100-499.999 ±.06 500-999.999 ±.08 1000-4999.999 ±.12 5000-9999.999 ±.15 10000-49999.999 ±.20 50000-99999.999 ±.25 100000-499999.999 ±.30 500000-999999.999 ±.35 1000000-4999999.999 ±.40 5000000-9999999.999 ±.50 10000000-49999999.999 ±.60 50000000-99999999.999 ±.75 100000000-499999999.999 ±.90 500000000-999999999.999 ±1.00 1000000000-4999999999.999 ±1.20 5000000000-9999999999.999 ±1.50 10000000000-49999999999.999 ±1.80 50000000000-99999999999.999 ±2.00 100000000000-499999999999.999 ±2.50 500000000000-999999999999.999 ±3.00 1000000000000-4999999999999.999 ±3.50 5000000000000-9999999999999.999 ±4.00 10000000000000-49999999999999.999 ±4.50 50000000000000-99999999999999.999 ±5.00 100000000000000-499999999999999.999 ±5.50 500000000000000-999999999999999.999 ±6.00 1000000000000000-4999999999999999.999 ±6.50 5000000000000000-9999999999999999.999 ±7.00 10000000000000000-49999999999999999.999 ±7.50 50000000000000000-99999999999999999.999 ±8.00 100000000000000000-499999999999999999.999 ±8.50 500000000000000000-999999999999999999.999 ±9.00 1000000000000000000-4999999999999999999.999 ±9.50 5000000000000000000-9999999999999999999.999 ±10.00	DRAWN J. BAELLY 06/01/00	Checked T. JEENSALUTE 06/01/00	ENGR S. VALDES 06/01/00	Q.A. B. RUBENI 06/01/00	APPROVED G. SHACHAR 06/01/00	SCALE NONE	CAGE CODE OUVG2	DRAWING NO. AT2775-42A	REV C
AT2775-42A	USED ON	UNLESS OTHERWISE SPECIFIED	DRAWN IN ACAD	SCALE NONE	AT2775-42AB	SHEET 1 OF 1			

AeroAntenna Technology Inc

TITLE: GPS ANTENNA

AT2775-42