



Network Systems Organization

Federal Communications Commission
Equipment Approval Services
P.O. Box 358315
Pittsburgh, PA 15251-5315

Norman H. Nelson
Symbol Technologies, Inc.
6480 Via Del Oro
San Jose, CA 95119-1208
Voice: (408) 528-2649
FAX: (408) 528-2740
norm@sj.symbol.com

Re: FCC ID H9PLA4111 Ref # 15542

Date: 10/12/00

Dear Reviewer,

In response to the following Email:

To: Norman Nwlson, Symbol Technologies, Inc.
From: Steve Dayhoff
sdayhoff@fcc.gov
FCC Application Processing Branch

Re: FCC ID H9PLA4111
Applicant: Symbol Technologies Inc
Correspondence Reference Number: 15542
731 Confirmation Number: EA97685
Date of Original E-Mail: 08/11/2000

1. EMC report is indicating 6 antennas and the MPE info has included 15 antenna configurations (started out with 11 and added 4 more later) with 7 of those have multiple connector configurations (a total of 22 configurations). Please clarify how many antenna configurations are applicable for this filing.

Per prior correspondence with the FCC it was determined that only the antenna with the highest gain for each type needed to be tested. The TR Status (Test Report Status) column for each antenna either refers you to the test report for its data (tested) or to the higher gain antenna of the same type for its test data.

The LA3021-500 uses a MMCX connector. Only the configurations using the MMCX connector are under consideration. I have included a [configuration table](#) that lists each of the 15 configurations in this application.

2. Specs for the Toko antenna has 2.15 dBi peak gain, which should be used for MPE estimations instead of the 0 dBi typical gain.

The 2.15 dBi figure in the data sheet is with the shown optimum ground plane. For the hand held device with a sub-optimum ground plane 0 dBi is the max with -4 dBi being typical. See the [attached antenna plot](#).

3. The RF exposure statement for the four body-worn and wrist-worn antenna/device configurations needs revision. These antennas are only applicable to the specific belt-worn or wrist-worn configurations and output power described in this filing. Users should be instructed to use the antenna and belt-worn/wrist-worn configurations in specific manners (as described in the manual and this filing) for satisfying FCC RF exposure compliance. Please revise and upload relevant page(s) of the manual for these antenna configurations.

Attached are antenna #6, #10, #14, and #15 MPE exhibits that include the updated RF exposure statements.

4. Please provide the actual separation distance between the "Oniel" antenna and a user's body when the printer containing this antenna is carry next to its user. The proposed RF exposure statement needs revision. The device must be operated in body-worn configurations as described in this filing for satisfy FCC RF exposure compliance. Please revise accordingly and upload relevant page(s) of the manual.

The O'Neil antenna is a minimum of 2.2 cm away from the users body when clipped on the users belt. Attached is an updated Antenna # 10 MPE exhibit.

5. The info submitted for wrist-worn antenna configuration "1046DP" has included a photo indicating two different antennas co-existing within this device, an F-element and a dipole; please clarify how do these two antennas operate within this device and provide the separation distances between the antennas and the user's body when the device is worn on a person's wrist.

The F-element antenna was approved in its shown configuration in the original grant. I am applying to add the dipole 1046DP configuration. The antennas operate as spatial / pattern diversity pair for the radio. Only one antenna is used at a time. Do to multipath the user can walk into a multipath null. Through the use of Received Signal Strength the radio will switch antenna ports to the other antenna that is not in the null.

The 1046DP will be 2.0 cm from the wrist and the 1046 (F-element) will be 2.5 cm.

Note: Output is 60 mW.

I hope these answers are satisfactory.

Respectfully,

Norman H. Nelson

Vocollect Antenna

The **Vocollect** antenna is 2 dBi omnidirectional in azimuth plane. It is mounted internally as shown in the attached photo. The **Vocollect** uses either a Murata Erie BFA or a MMCX connector. In its use it would be within 5 cm of a persons body. It is used in portable devices. This antenna / device combination was SAR tested and results filed with a Class II permissive change for the H9PLA3020. The antenna was driven by 240 mW of transmitter power. This produces an EIRP limit of 380 mW. Below is the user safety information located in the users manual.

<i>Location</i>	Body worn device
<i>Pattern</i>	Omni
<i>Type</i>	Dipole
<i>Max Gain</i>	2 dBi
<i>Physical</i>	See attached dwg
<i>Cable</i>	MXYP75, RG-178
<i>Symbol P/N</i>	50-21900-025, 50-21900-026

“Warning: Exposure to Radio Frequency radiation. To conform to FCC RF exposure requirements this device shall be used in accordance with the operating conditions and instructions listed in this manual.”



Antenna Photo

Talkman Open – 2.4 GHz Symbol Radio Information

Vocollect Antenna Specifications

Type: Dipole
Gain: 2 dBi
Polarization: Circular
Physical description: Implemented on flat and rigid printed circuit board, internally mounted, parallel to the belt mounting loop.
Min distance from skin: 2.1 inches (1.70 inches to inside to belt loop plus 0.40 inches of padded belt)

Table 1: Bill of Materials- Talkman Open – Symbol Radio and Antenna

Item	Qty	Vocollect Part #	Vendor Part #	Supplier	Description
1	1	656022		Austin Antenna	ANTENNA PCB
2	1	606012	90174601	Huber-Suhner	CABLE ASSY, ANTENNA

Vocollect, Inc.

Image 1: 2.4 GHz Antenna PC Board

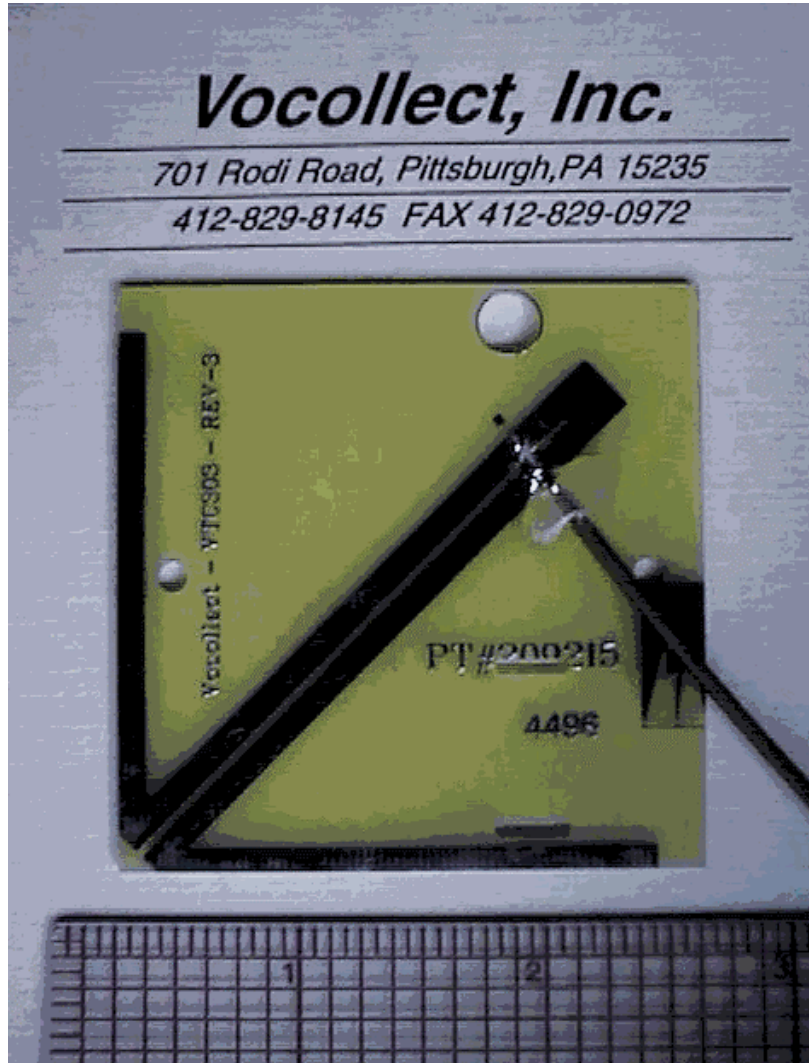


IMAGE 2: Beltworn Terminal - Drawing



IMAGE 3: Beltworn Terminal

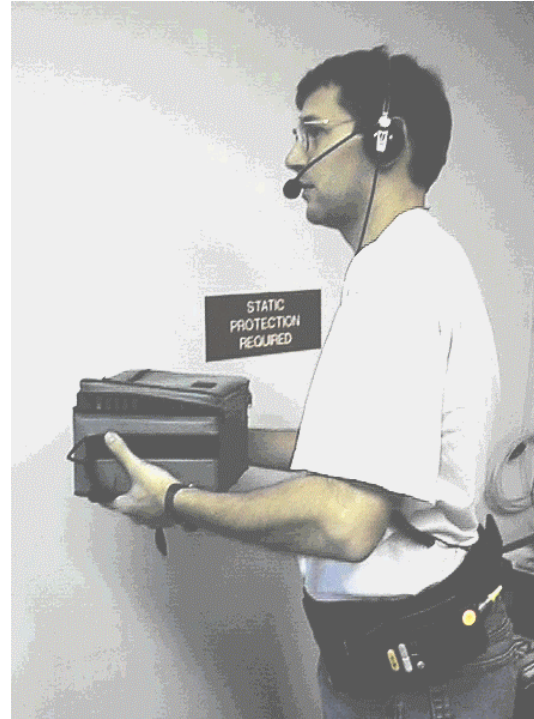


IMAGE 4: Drawing of Antenna Placement Inside Unit.

The antenna is mounted in the plane parallel to the belt loop and waist, 1.70 inches away from the belt loop used to connect the terminal to the padded mounting belt. Including the belt thickness, the radio is at least 2.1 inches distant from the skin.

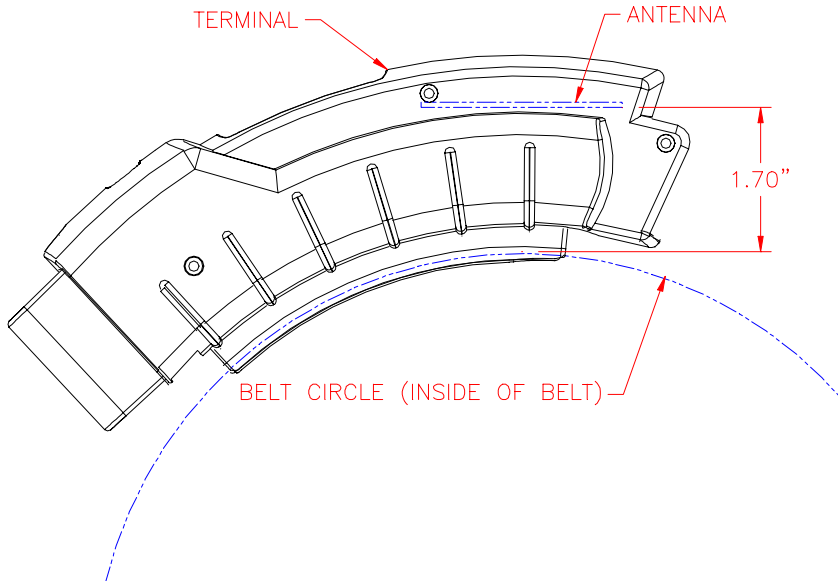


IMAGE 5: The unit mounts on a padded belt ½” thick.

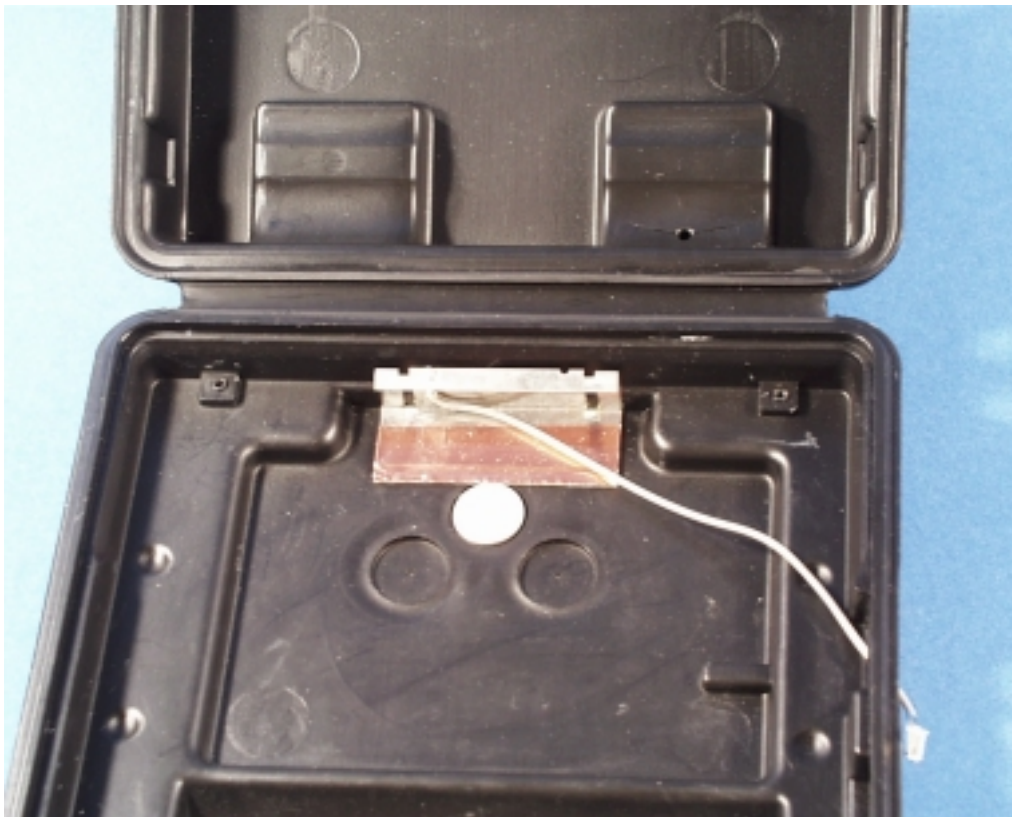
The unit is connected to the belt by a secondary strap secured to the belt. The full width of the main padded belt remains between the terminal and user’s body.



Oneil BFA / Oneil MMCX Antenna

The **Oneil** antenna is 0 dBi omnidirectional in azimuth plane. It is available with either a MuRatta BFA or MMCX connector. It is mounted as an internal antenna on the O'Neil MicroFlash series of portable belt worn printers. In its use it could be as close as 2.2 cm of a users body. It is used in portable devices.

<i>Location</i>	Body worn
<i>Pattern</i>	Omni
<i>Type</i>	Slot
<i>Max Gain</i>	0 dBi
<i>Physical</i>	See attached dwg
<i>Cable</i>	MXZH75 or RG-178
<i>Symbol P/N</i>	50-21900-023 50-21900-031
<i>EIRP</i>	See Summary Tbl



Antenna Installation Photo

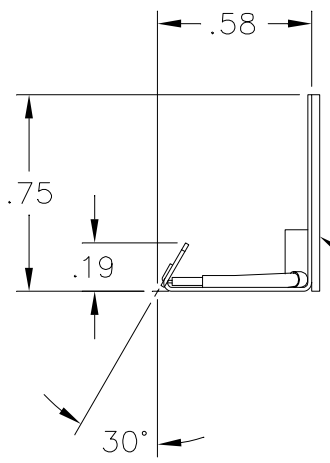
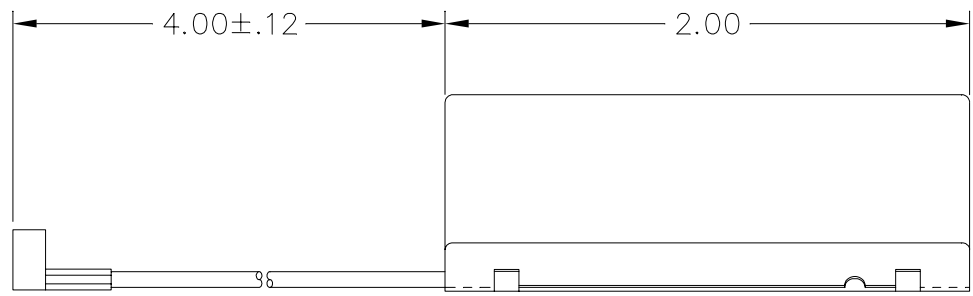


Device use Photograph.

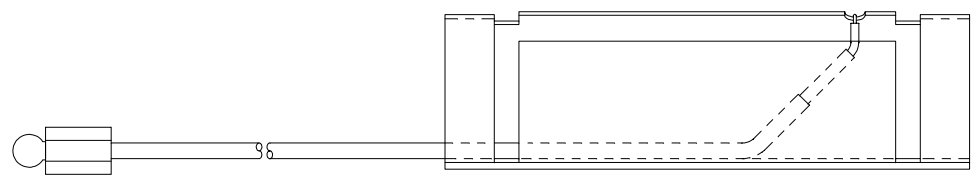
The following text will be located in a conspicuous place in the section describing proper positioning and operation of the body worn device.

“Warning: Exposure to Radio Frequency radiation. To conform to FCC RF exposure requirements this device shall be used in accordance with the operating conditions and instructions listed in this manual.”

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
C2	A	.58 WAS .42 ADHESIVE CALLOUT WAS: ... X .025 THK (3M 4930 OR EQUIV) WD 2675 REDRAWN	1-4-00 JL	



ADHESIVE FILM,
.75 X 2.00 X .031 THK
(3M 4032 OR EQUIV)



SPECIFICATIONS

- 4. SHARP CORNERS & EDGES .005 MAX.
- 3. FINISH SHALL BE UNIFORM AND EXHIBIT NO EVIDENCE OF CORROSION OR OXIDATION WHEN VIEWED WITH THE UNAIDED EYE. EDGE PLATING ON CUT OR SHEARED SURFACES IS NOT REQUIRED.

FREQUENCY:	2.4-2.485 GHZ
VSWR	2.0:1 MAX
GAIN	0dBi NOMINAL
POLARIZATION	LINEAR
CABLE:	MURATA MXYH75
CONNECTOR:	TYPE BFA

- 2. ALTERNATE:
MATERIAL: CRS 1008, .015 THK.
FINISH: BRIGHT TIN PLATE PER MIL-T-10727A, TYPE 1, ELECTRO DEPOSITED .00010-.00025 IN.
- 1. MATERIAL: ELECTROLYTIC TIN PLATED STEEL SHEET, .015 THK.



NOTES : UNLESS OTHERWISE SPECIFIED

PMIC	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES: .XX ± .03 .XXX ± .010 ANGLES ± 0°30' MACHINED SURFACE ROUGHNESS 125✓ REMOVE BURRS, SHARP EDGES R.005-.015 MACHINED FILLETS R.005-.015 DIMENSIONS ARE AFTER PLATING. MACHINED DIA'S ON COMMON CENTERLINE CONCENTRIC WITHIN .005 TIR. INTERPRET PER ANSI Y14.5M-1982.		CONTRACT NUMBER	
			CONTRACTOR	
			DRAWN BY J. LOWE	DATE 11-8-99
			CHECKER	MFG ENGR
			QA	ENGR BI
			PRGM MGR	ENGR
823362	C090-874	HOLE TOLERANCES:		
NEXT ASSY	USED ON	.040 - .128 +.003 -.001	.515 - .750 +.008 -.001	
APPLICATION		.136 - .228 +.004 -.001	.765 - 1.000 +.010 -.002	
		.234 - .500 +.006 -.001	1.031 UP +.015 -.002	
		MATL ENGR	APPROVAL	

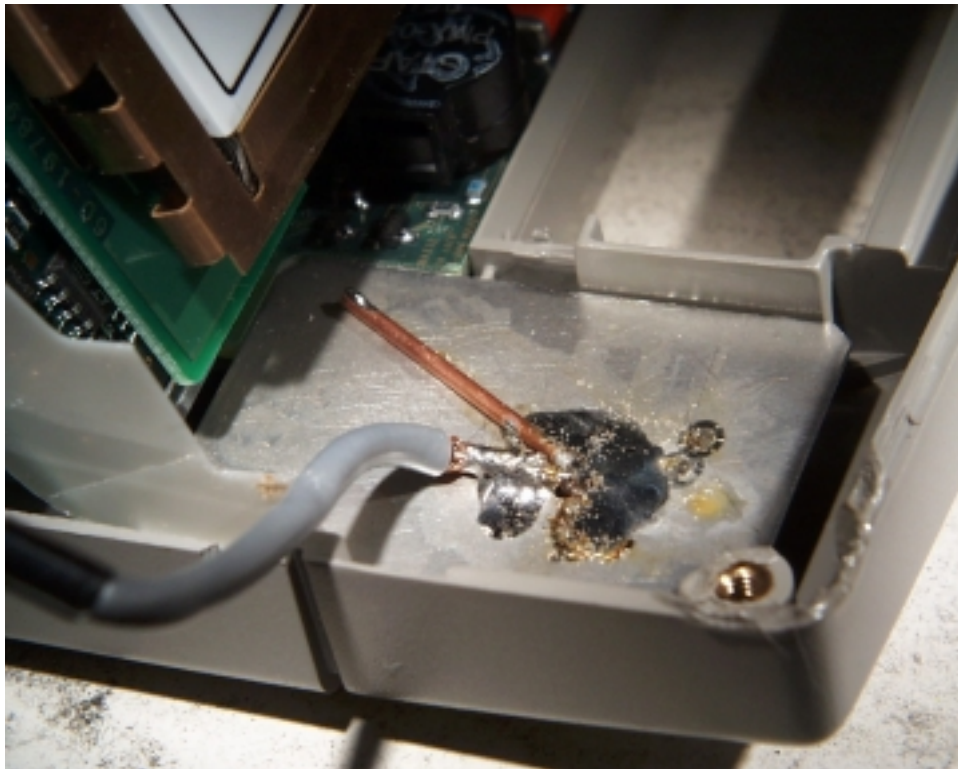
		TECOM INDUSTRIES INC. 9324 TOPANGA CYN BLVD CHATSWORTH, CA. 91311 <i>TECHNICAL EXCELLENCE COMMITTED TO QUALITY</i>	
		TITLE ANTENNA, 2.4 GHZ	
SIZE C	CAGE CODE 52791	DWG NO 703620	
SCALE 2/1	UNIT WT	SHEET 1 OF 1	

1040, 1046 Antenna

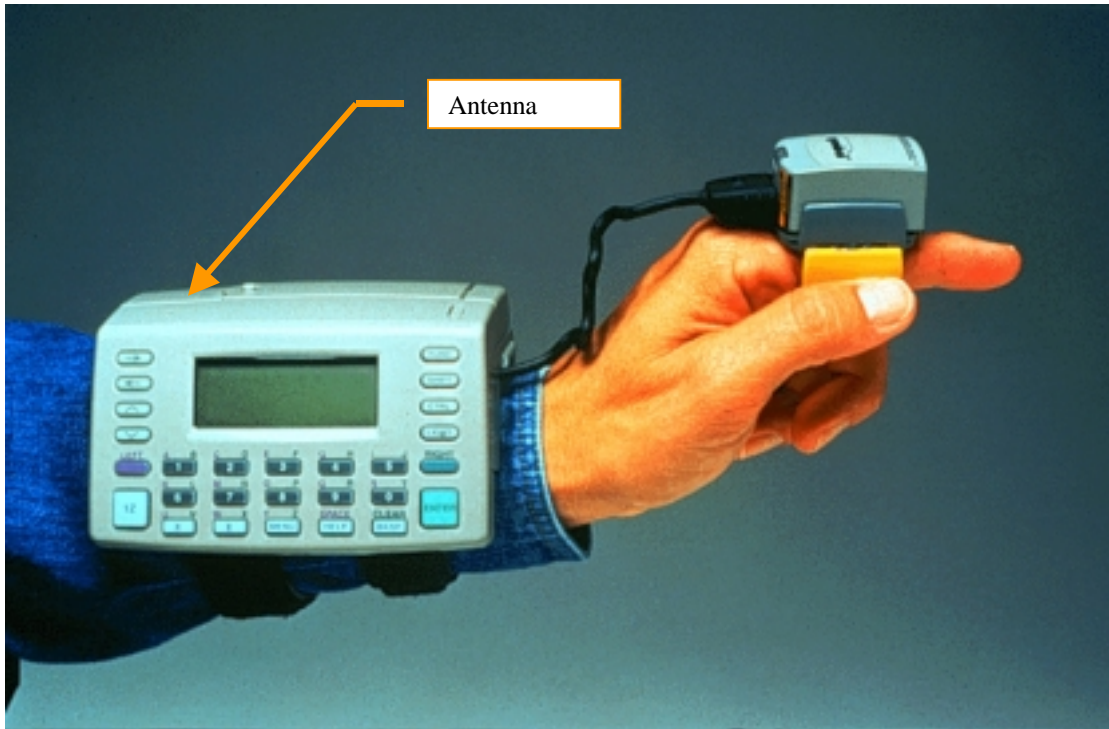
The **1040** antenna is 0 dBi omni-directional in azimuth plane. It is mounted internally as shown in the attached photo. The **1040** uses the Murata Erie BFA and the **1046** a MMCX connector. In its use it would be within 2.5 cm of a persons body. It is used in portable devices. This antenna / device combination was SAR tested and results filed with a Class II permissive change for the H9PLA2400. driven by 500 mW of transmitter power. The RF safety statement that is included in a prominent place in the users manual is listed below.

<i>Location</i>	Body worn device
<i>Pattern</i>	Omni
<i>Type</i>	F-Element
<i>Max Gain</i>	0 dBi
<i>Physical</i>	See attached dwg
<i>Cable</i>	MXYP75, RG-178
<i>Symbol P/N</i>	10-32447-01, 10-32447-02

“Warning: Exposure to Radio Frequency radiation. To conform to FCC RF exposure requirements this device shall be used in accordance with the operating conditions and instructions listed in this manual.”



Antenna Photo



Terminal Use Photo

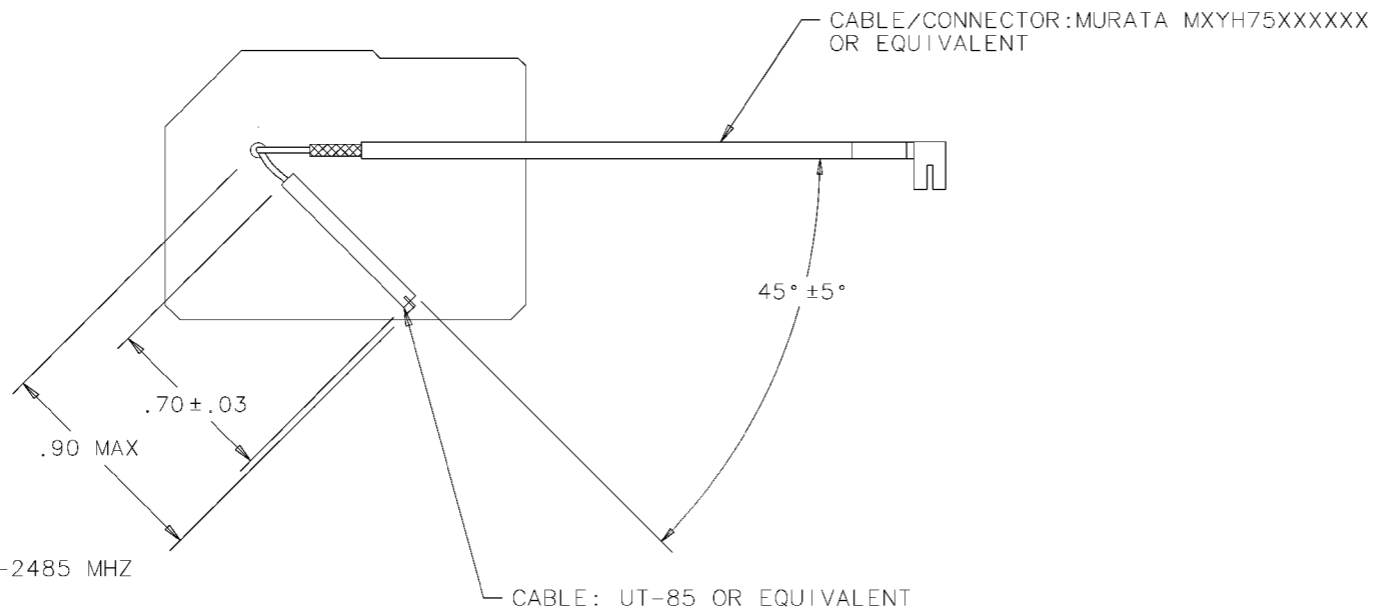
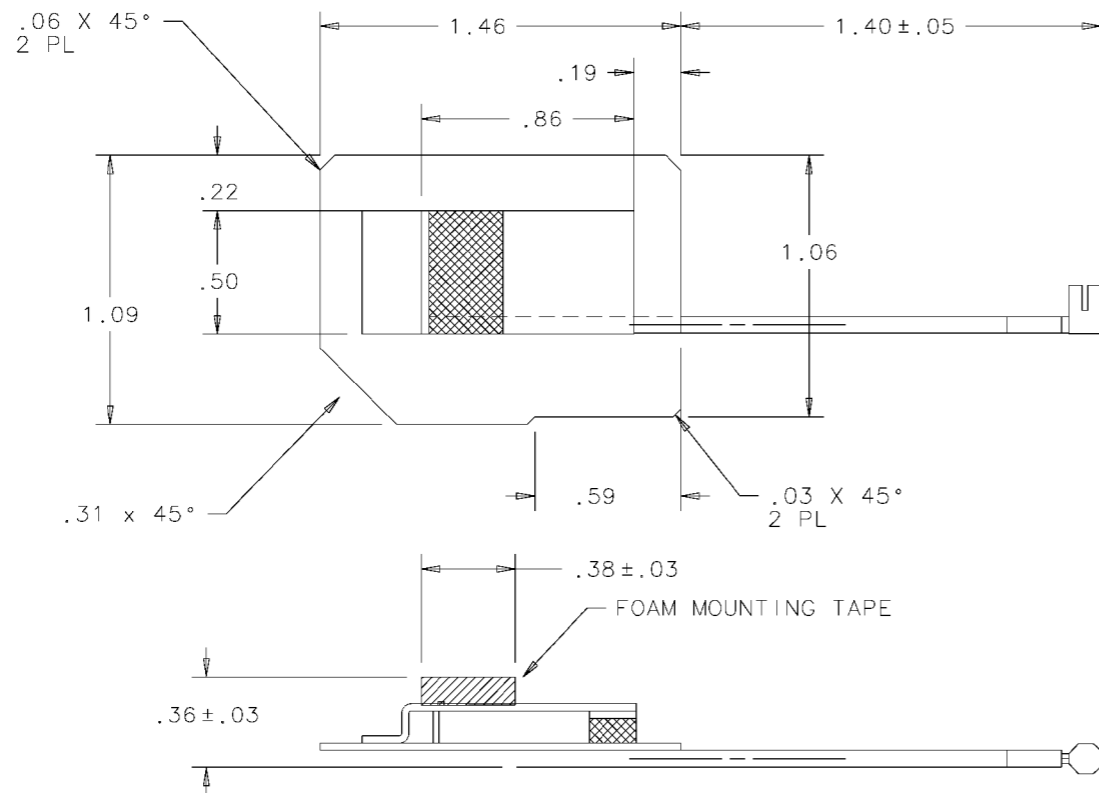
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REVISIONS							
REV.	ZONE	△	DESCRIPTION	E.C.	BY	APVD.	DATE
A			RELEASED PER EDR 36634		LM		



SPECIFICATIONS:

1. FREQUENCY: 2400-2485 MHZ
2. VSWR: <2.5:1
3. IMPEDENCE: 50 OHMS
4. GAIN: WHEN INSTALLED IN SYMBOL UNIT WWC1019 ORIENTED IN PREFERRED POSITION, THE VERTICALLY POLARIZED GAIN OVER 135 DEGREES OF AZIMUTH AND COVERING ±15 DEGREES ELEVATION SHALL BE GREATER THAN -2 dBi NOMINAL AND -10 dBi MINIMUM.

NOTES:

1. PACKAGE ITEMS IN ACCORDANCE WITH STI GENERAL PACKAGING SPEC # 50-04100-013

ITEM	QTY.	PART NO.	DESCRIPTION	REMARKS/REF. SYMBOL																																			
<table border="1"> <tr> <td rowspan="4"> <small>THE DWG. & SPECIFICATION CONTAINED HEREON ARE PROPRIETARY AND MUST NOT BE USED, COPIED, REPRODUCED NOR ITS CONTENTS COMMUNICATED TO OTHERS EXCEPT IN ACCORDANCE WITH WRITTEN INSTRUCTIONS RECEIVED FROM SYMBOL TECHNOLOGIES INC.</small> </td> <td colspan="2">DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED</td> <td>APPROVALS</td> <td>DATE</td> <td rowspan="4"> SYMBOL TECHNOLOGIES INC. Bohemia, New York ANTENNA : 2.4GHZ, S24 </td> </tr> <tr> <td></td> <td></td> <td>DRAWN LJM</td> <td>8/25/96</td> </tr> <tr> <td>.XX +/-</td> <td>MM INCH +/- .01</td> <td>CHECKED JC</td> <td></td> </tr> <tr> <td>.XXX +/-</td> <td>MM INCH +/- .005</td> <td>ENGINEER J CONNELLY</td> <td></td> </tr> <tr> <td></td> <td></td> <td>ANGLES ± 1° FRACTIONS ± 1/64</td> <td>MFG. ENG. F WAZURKOWICZ</td> <td></td> </tr> <tr> <td></td> <td></td> <td>MATERIAL:</td> <td>PRODUCT</td> <td>QUALITY</td> <td> SIZE C DWG. NO. 10-32447-01 SCALE: 2:1 </td> </tr> <tr> <td></td> <td></td> <td>FINISH:</td> <td></td> <td></td> <td> SOLID MODEL <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO SHEET 1 OF 1 </td> </tr> </table>					<small>THE DWG. & SPECIFICATION CONTAINED HEREON ARE PROPRIETARY AND MUST NOT BE USED, COPIED, REPRODUCED NOR ITS CONTENTS COMMUNICATED TO OTHERS EXCEPT IN ACCORDANCE WITH WRITTEN INSTRUCTIONS RECEIVED FROM SYMBOL TECHNOLOGIES INC.</small>	DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED		APPROVALS	DATE	SYMBOL TECHNOLOGIES INC. Bohemia, New York ANTENNA : 2.4GHZ, S24			DRAWN LJM	8/25/96	.XX +/-	MM INCH +/- .01	CHECKED JC		.XXX +/-	MM INCH +/- .005	ENGINEER J CONNELLY				ANGLES ± 1° FRACTIONS ± 1/64	MFG. ENG. F WAZURKOWICZ				MATERIAL:	PRODUCT	QUALITY	SIZE C DWG. NO. 10-32447-01 SCALE: 2:1			FINISH:			SOLID MODEL <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO SHEET 1 OF 1
<small>THE DWG. & SPECIFICATION CONTAINED HEREON ARE PROPRIETARY AND MUST NOT BE USED, COPIED, REPRODUCED NOR ITS CONTENTS COMMUNICATED TO OTHERS EXCEPT IN ACCORDANCE WITH WRITTEN INSTRUCTIONS RECEIVED FROM SYMBOL TECHNOLOGIES INC.</small>	DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED		APPROVALS	DATE		SYMBOL TECHNOLOGIES INC. Bohemia, New York ANTENNA : 2.4GHZ, S24																																	
			DRAWN LJM	8/25/96																																			
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	.XXX +/-	MM INCH +/- .005	ENGINEER J CONNELLY																																				
		ANGLES ± 1° FRACTIONS ± 1/64	MFG. ENG. F WAZURKOWICZ																																				
		MATERIAL:	PRODUCT	QUALITY	SIZE C DWG. NO. 10-32447-01 SCALE: 2:1																																		
		FINISH:			SOLID MODEL <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO SHEET 1 OF 1																																		
		NEXT ASSY	USED ON	DO NOT SCALE DRAWING																																			

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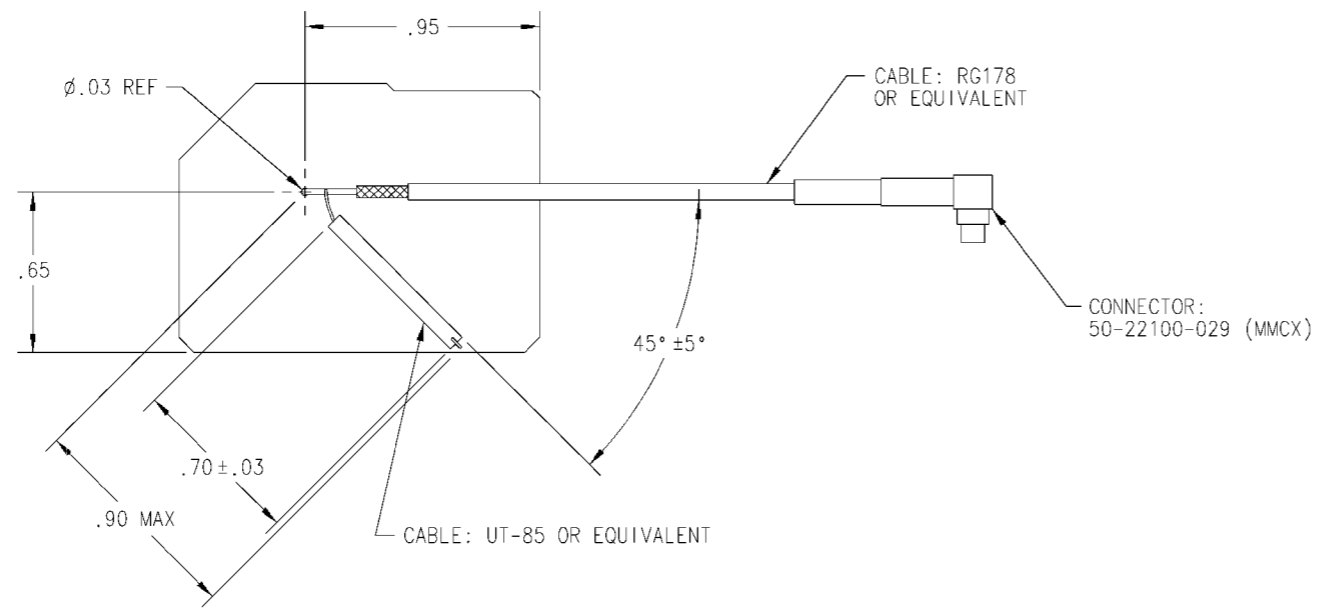
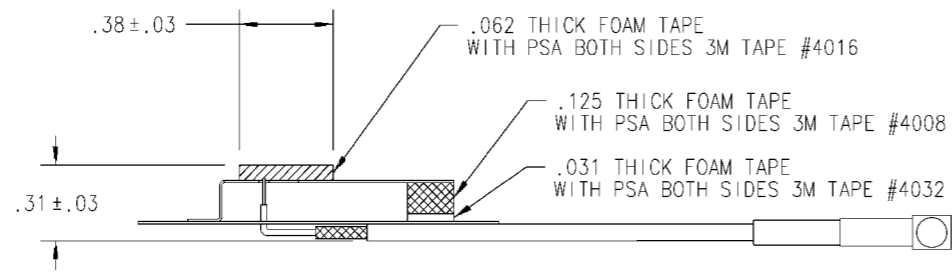
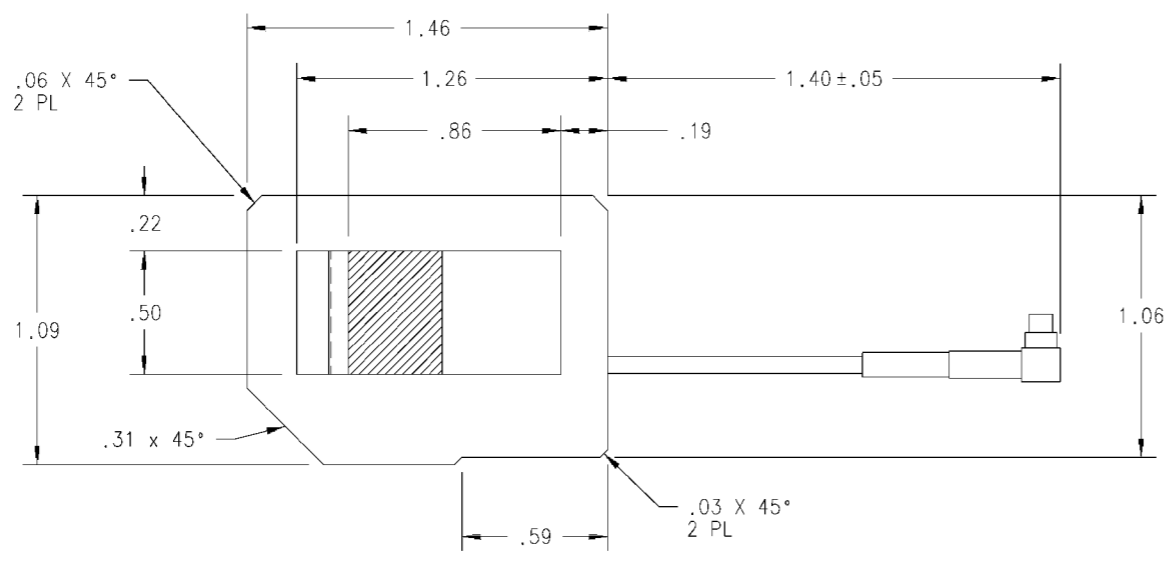
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REVISIONS							
REV	ZONE	△ No	DESCRIPTION	E.C.	BY	APVD.	DATE
A			RELEASED PER EDR #55811		JS		3/28/00



SPECIFICATIONS:

FREQUENCY: 2400-2485 MHZ
 VSWR: <2.5:1
 IMPEDENCE: 50 OHMS
 GAIN: WHEN INSTALLED IN SYMBOL UNIT WWC1019 ORIENTED IN PREFERRED POSITION, THE VERTICALLY POLARIZED GAIN OVER 135 DEGREES OF AZIMUTH AND COVERING ±15 DEGREES ELEVATION SHALL BE GREATER THAN -2 dBi NOMINAL AND -10 dBi MINIMUM.

NOTES: UNLESS OTHERWISE SPECIFIED.

1. MATERIAL: CRS 1008, .010±.001 THICK.
2. FINISH: BRIGHT TIN PLATE PER MIL-T 10727A, TYPE 1 ELECTRO DEPOSITED .00010-.00025 INCHES. FINISH SHALL BE UNIFORM AND EXHIBIT NO EVIDENCE OF CORROSION OR OXIDATION WHEN VIEWED WITH THE UN-AIDED EYE. EDGE PLATING ON CUT OR SHEARED SURFACES IS NOT REQUIRED.
3. BREAK AND DE-BURR ALL SHARP CORNERS AND EDGES .005 MAX PRIOR TO PLATING.
4. PACKAGE ITEMS IAW STI GENERAL PACKAGING SPEC #50-01400-013.
5. PARTS TO MEET THE CRITERIA PER STI WORKMANSHIP STANDARDS #SS-03800-57.

APPROVALS		DATE	SYMBOL TECHNOLOGIES, INC.		
DRAWN	J. SIMMONS	3/28/00	One Symbol Plaza Holtsville, NY 11742		
CHECKED	M. SAVONA	3/28/00	ANTENNA: 2.4GHZ, S24 MMCX		
ENG.	E. KOGAN	3/28/00			
ANALYST	L. DOBKOWSKI	3/28/00			
MFG. ENG.			SIZE	DWG. NO.	REV
PRODUCT			C	10-32447-02	A
QUALITY			SCALE: 2:1	SOLID MODEL	YES NO
					X SHEET 1 OF 1

PROPRIETARY CONTENT	TOLERANCE CHART	
THE DRAWING CONTENT AND SPECIFICATIONS CONTAINED HEREIN ARE PROPRIETARY AND MUST NOT BE USED, COPIED, REPRODUCED OR OTHERWISE DEALT WITH OR COMMUNICATED TO OTHERS EXCEPT IN ACCORDANCE WITH WRITTEN INSTRUCTIONS RECEIVED FROM SYMBOL TECHNOLOGIES, INC.	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES	
	INCH	MM
	.XX +/- .01 +/- .25	.XXX +/- .005 +/- .125
COMPUTER GENERATED DRAWING DO NOT SCALE	ANGLES ± 1° FRACTIONS ± 1/64	

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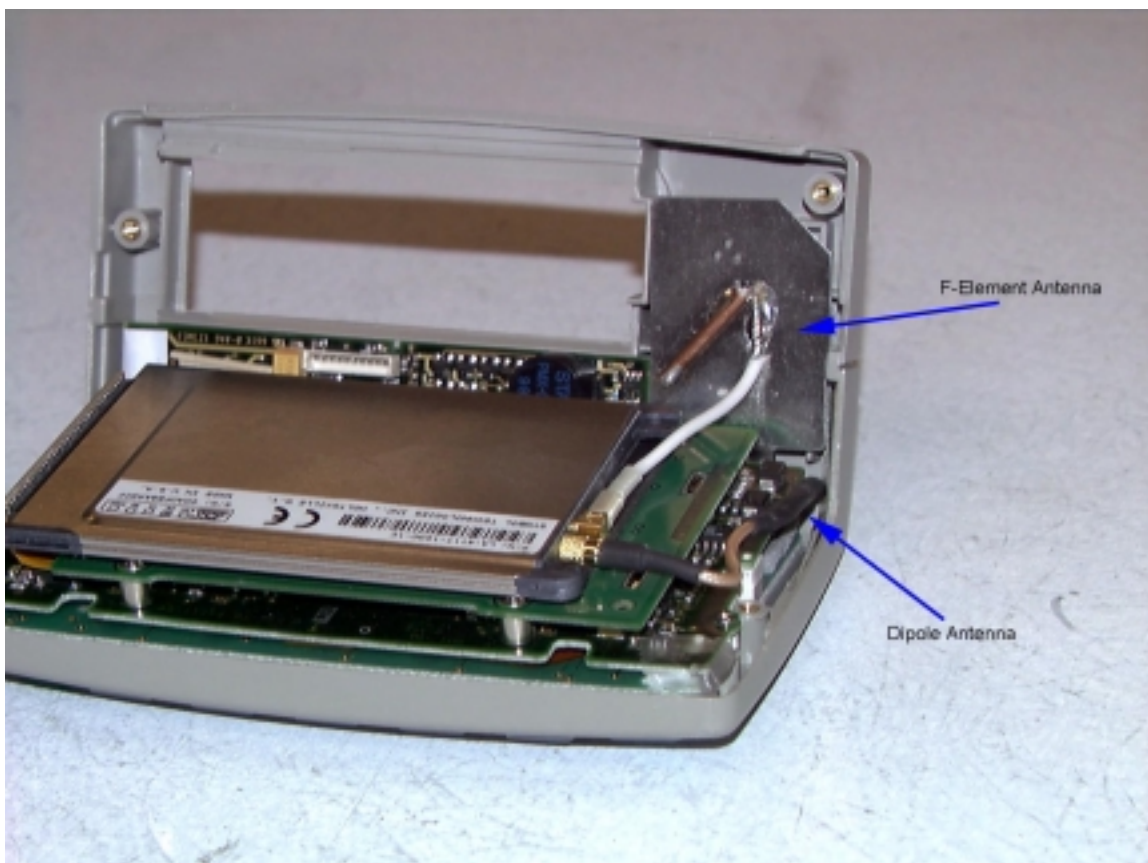
1

1046DP Antenna

The **1046DP** antenna is 2 dBi omnidirectional in azimuth plane. It is mounted internally as shown in the attached photo. The **1046DP** uses a MMCX connector. In its use it would be within 2.5 cm of a persons wrist. It is used in portable devices. The RF safety statement included in a prominent place in the users manual is listed below.

<i>Location</i>	Wrist worn device
<i>Pattern</i>	Omni
<i>Type</i>	Dipole
<i>Max Gain</i>	2 dBi
<i>Physical</i>	See attached dwg
<i>Cable</i>	RG-178
<i>Symbol P/N</i>	10-41370.01

“Warning: Exposure to Radio Frequency radiation. To conform to FCC RF exposure requirements this device shall be used in accordance with the operating conditions and instructions listed in this manual.”



Antenna Photo



Antenna Use Photo

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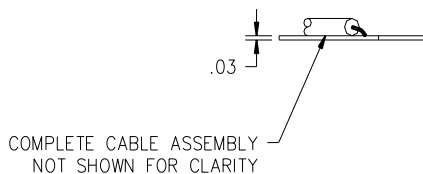
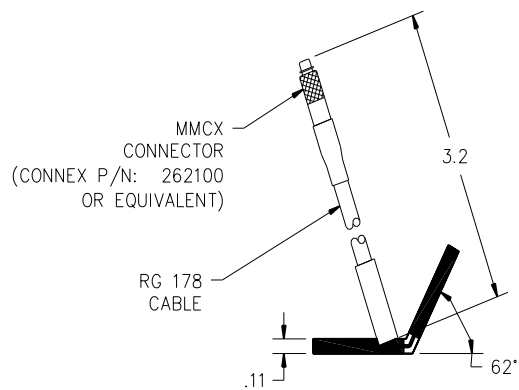
REVISIONS			
SYM	DESCRIPTION	DATE	APPROVED
A	PRODUCTION RELEASE SEE ECO 4375	05/25/00	

NOTES: UNLESS OTHERWISE SPECIFIED.

- LABEL SIZE, SHAPE AND CONTENTS SUBJECT TO CHANGE WITHOUT NOTICE.
- TOLERANCES: .XX ± .03
.XXX ± .010

SPECIFICATION:

FREQUENCY: 2.4 TO 2.485 GHz
 POLARIZATION: LINEAR
 RADIATION COVERAGE:
 FRONT/BACK: ≥TBD dB
 GAIN: TBD dBi NOM @ ZENITH
 VSWR: <2.0:1
 WEIGHT: TBD OZ



PART NO. DESIGNATION

AT2400-4X-XXXX-XXX-XX-XX-XX

- COLOR _____
- * W = WHITE
 - * S = SMOKE GRAY
 - * O = OLIVE DRAB
- CONNECTOR _____
- * TNCM = TNC MALE
 - * TNCF = TNC FEMALE
 - * BNCM = BNC MALE
 - * BNCF = BNC FEMALE
 - * MCXM = MCX MALE
 - * MCXF = MCX FEMALE
 - * SMAM = SMA MALE
 - * SMAF = SMA FEMALE
 - MMCXM = MMCX MALE
 - * MMCXF = MMCX FEMALE
 - * NTPM = NTP MALE
 - * NTPF = NTP FEMALE
 - * 0000 = NO TERMINATION
- CABLE LENGTH _____
- * 000 = IN INCHES
- * = OPTION NOT AVAILABLE WITH THIS MODEL
 STANDARD MODEL = AT2400-4-MMCXM-3.20-00-00-L
- POLARIZATION _____
- L = LINEAR
 - RHCP = RIGHT HAND CIRCULAR POLARIZED
- GAIN _____
- 00 = PASSIVE
 - * 12 = 12 dB (20 mA)
 - * 26 = 26 dB (35 mA)
 - * 40 = 40 dB (50 mA)
 - * XX = OTHER
- VOLTAGE _____
- 00 = PASSIVE
 - * 05 = 05 VDC
 - * RG = 5 - 18 VDC
 - * XX = OTHER

DO NOT SCALE THIS DRAWING		DRAWN		
ALL DIMENSIONS ARE IN INCHES		S. VALDES		
DIMENSIONING & TOLERANCING PER ANSI Y14.5M-1982		CHECKED		
TOLERANCES: .XX = ±.01 .XXX = ±.005 FRACT = ±1/32 ANG. = ±1/2°		ENGR		
✓ SURFACE ROUGHNESS PER ANSI B46.1		Q.A.		
REMOVE BURRS AND BREAK SHARP EDGES;		APPROVED		
PART TO BE CLEAN AND OIL FREE		TITLE		
USED ON		WIRELESS ANTENNA, 2.4 GHz LINEAR		
UNLESS OTHERWISE SPECIFIED		SIZE	CAGE CODE	REV
DRAWN IN ACAD		B	OUVG2	A
SCALE NONE		DRAWING NO.		
		AT2400-4		
		AT2400-4A		SHEET 1 OF 1



RF Exposure Configuration Summary

Network Systems Organization

FCC ID: **H9PLA4111**

WLAN PC Card, 11 Mbps, Trilogy

Output Power: 60 mW

Class II Permissive Change

Ant #	Antenna Model	Terminal Mfgr.	Terminal Model	Use
01	7546	Symbol	PDT-7546	Hand Held Ocp
02	2742	Symbol	SPT-2746-T1	Hand Held Ocp
03	XP	Mitsubishi	XPn	Hand Held Ocp
04	7242	Symbol	PDT-7246-T1	Hand Held Ocp
05	Toko	Percon	Falcon 315	Hand Held Ocp
06	Vocollect MMCX	Vocollect	Talkman Open	Belt Worn 5-
07	6846	Symbol	PDT-6846	Hand Held Ocp
08	7546D	Symbol	PDT-7546	Hand Held Ocp
09	1742	Symbol	SPT-1746	Hand Held Ocp
10	Oniel MMCX	O'Neil Product Development.	MF4TS24-11-T1	Belt Worn 5-
11	6846D	Symbol	PDT-6846	Hand Held Ocp
12	6146D	Symbol	PDT-6146	Hand Held Ocp
13	3146BD	Symbol	PDT-6146BD	Hand Held Ocp
13	3146BD	Symbol	PDT-3146BD	Hand Held Ocp
14	1046	Symbol	WSS-1046	Wrist Worn
15	1046DP	Symbol	WSS-1046	Wrist Worn

5- R < 5 cm

5+ 5 cm < R < 20 cm

Ocp Occupational

Data



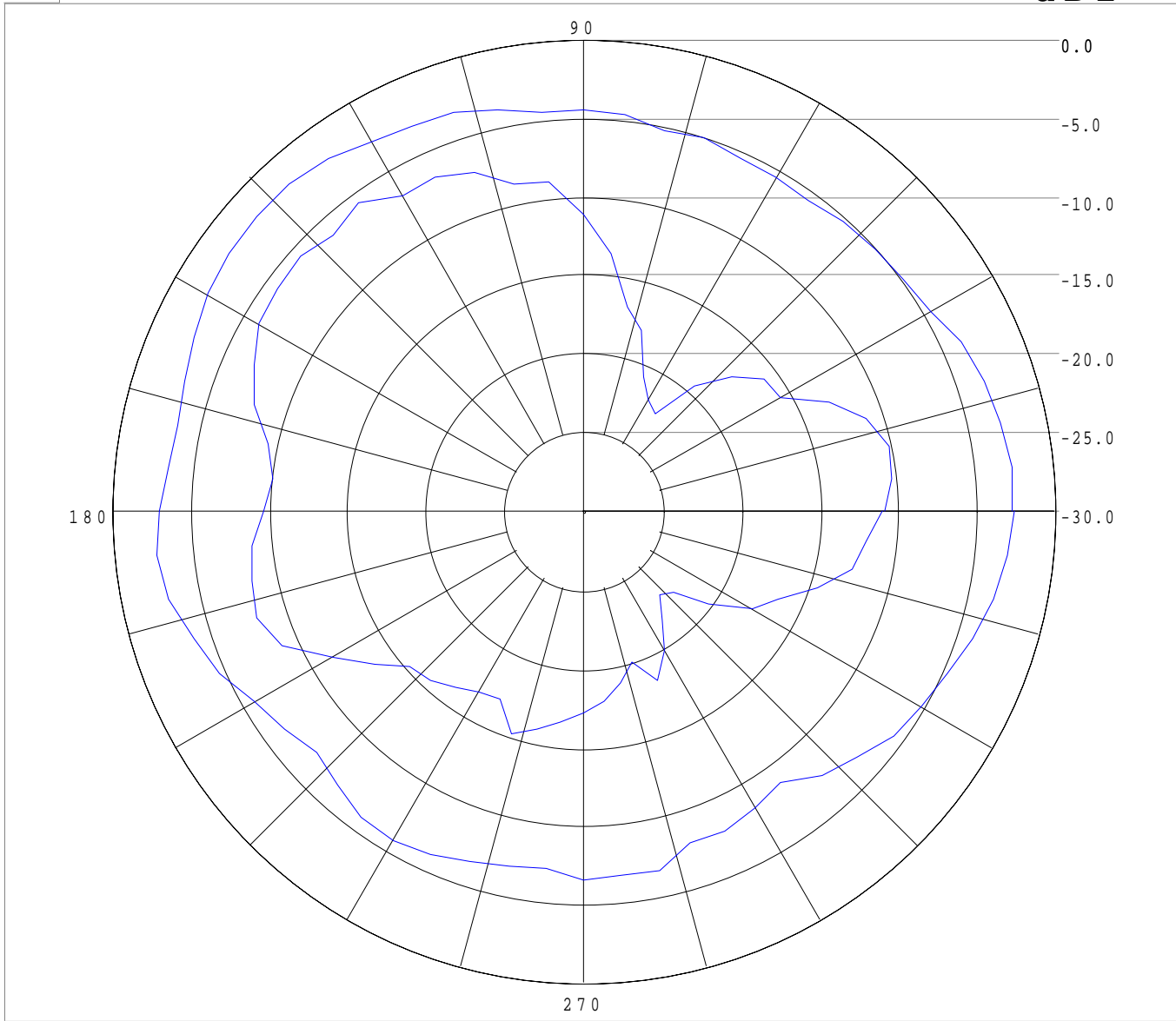
Path: g:\Labview\data1\Norm\Toko\Toko Antenna.dat

Records: 6

6/22/99 8:43:08 AM

PEP

dB*i*



Run Info

Model	Toko Antenna	S/N	
Version	Antenna Test Fixture		
Ft(MHz)	2440	Harmonic	Fund.
		Polarity	Vert

Scale Max

0.00

Scale Min

-30.00

◀◀ Rec No. ▶▶

3

Peak	mean	%
-1.90	-6.88	66

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dB*i*