Exhibit H: Antenna Information

FCC ID: HN2MPCI3A-20

All the antennas described in this exhibit use a reverse polarity TNC connector that satisfies the requirements of 47CFR 15.203

2.4 GHz antennas for the 802.11b radio

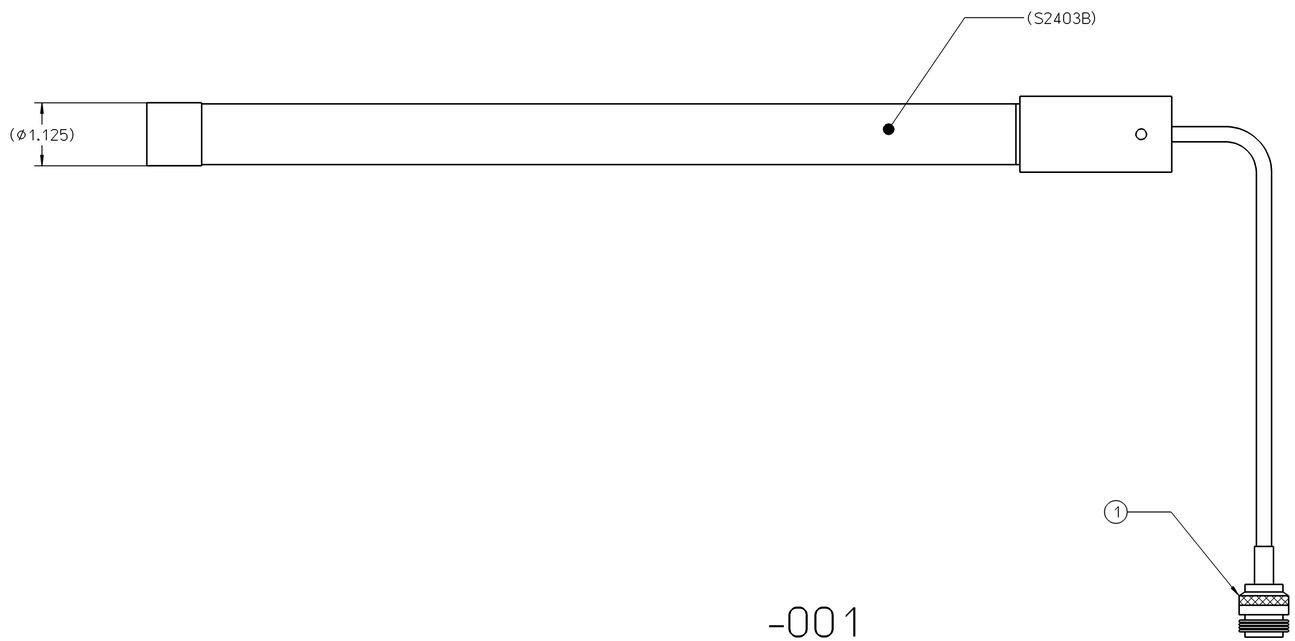
Intermec Part Number	Min. Freq. (GHz)	Max. Freq. (GHz)	Style	Max. Gain
063363	2.4	2.5	Omni	5 dBi
063365	2.4	2.5	Yagi	15 dBi
063366	2.4	2.5	Flat Panel	14 dBi
065349	2.4	2.5	Omni	9 dBi
066147	2.4	2.5	Omni	1 dBi
067261	2.4	2.5	Mini Omni	3 dBi
067262	2.4	2.5	Flat Panel	5 dBi
067263	2.4	2.5	Flat Panel	9 dBi

APPROVED SOURCE(S) OF SUPPLY

SUPPLIER	PART NUMBER
1. CUSHCRAFT	S2403BP12RNF 7
2.	
3.	
4.	
5.	
6.	

					REVISION	REV STATUS OF SHEETS
5	4	3	2	1	SHEET	

REVISIONS			
REV	DESCRIPTION	DATE	DRAWN & APPROVED
C	-001 RELEASED AT REV C		
D	-001 PER ECN 025344	8-27-96	G.OPSTAD RCH



-001

NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL: POLYCARBONATE.
2. REMOVE ALL BURRS AND SHARP EDGES.
3. COSMETIC REQUIREMENTS PER SPECIFICATION 044856, APPENDIX C, CATEGORY II, CLASS B.
4. BAG PARTS AND MARK BAG WITH 063363 PER SPECIFICATION 606427. DO NOT MARK DASH NUMBER.
5. CHANGES REQUIRE SAC APPROVAL.
6. SPECIFICATION:

FREQUENCY RANGE:	2400-2500MHz
IMPEDANCE:	50 OHMS (NOMINAL)
GAIN:	3dBd (REFERENCED TO DIPOLE) 5dBi (REFERENCED TO ISOTROPIC)
BANDWIDTH:	100MHz (VWSR <=1.5:1)
VSWR:	<=1.5:1 (2400-2500MHz)
WIND SURVIVAL:	125MPH
POWER RATING:	50 WATTS MAX

7 MOUNTING HARDWARE KIT AND INSTRUCTIONS INCLUDED.

SOURCE CONTROL DRAWING
SEE SEPARATE PARTS LIST FOR 063363-001

CAD DB.REF- /cadserv/rel/063363.1.d
SYSTEM - HP-ME30

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.
.XX ±
.XXX ±
ANGLES ±

APPROVALS		DATE
DRAWN	J.FOTI	8-23-95
CHECKED	R.HOAGLUND	1-19-96
RESP ENG	M.CHIN	1-23-96
QA	T.ANDERSON	
MFG ENG	M.SALATINO	1-22-96
SAC	P.HELTON	1-22-96
CMPNT ENG	———	———

Intermec
6001 36TH AVENUE WEST
EVERETT, WA 98203-9280

TITLE ANTENNA, 2.4GHZ, OMNI

SIZE	CAGE CODE	DRAWING NUMBER	REV
D	33825	063363	D

SCALE NONE SHEET 1 OF 1

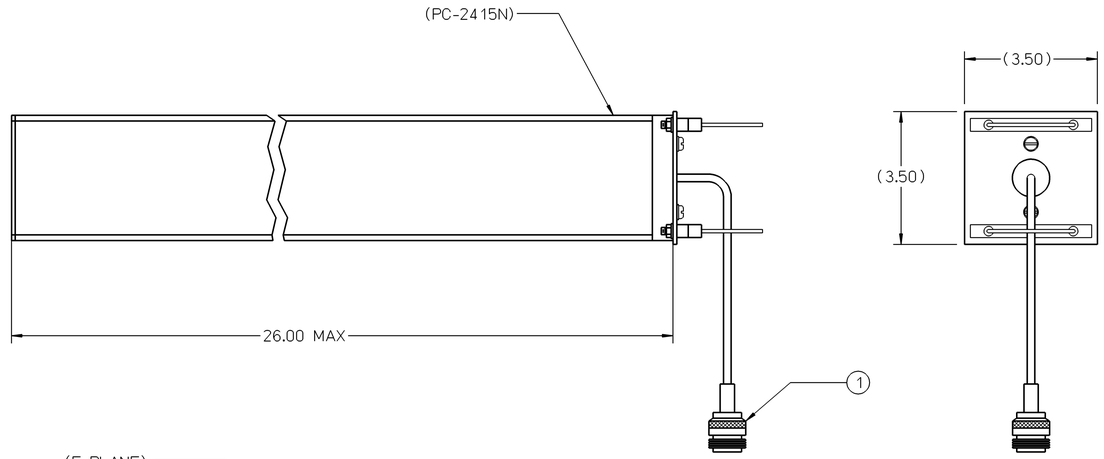
APPROVED SOURCE(S) OF SUPPLY

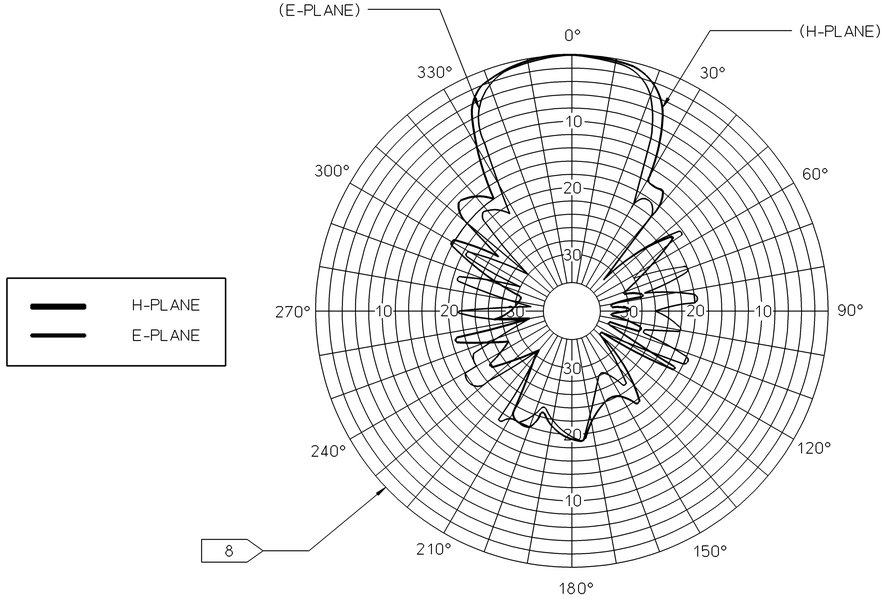
SUPPLIER	PART NUMBER
1. CUSHCRAFT	PC-2415RNF
2.	
3.	
4.	
5.	
6.	

					REVISION	REV STATUS OF SHEETS
5	4	3	2	1	SHEET	

REVISIONS

REV	DESCRIPTION	DATE	DRAWN & APPROVED
C	-001 RELEASED AT REV C		
D	-001 PER ECN 025344	9-3-96	L.JACKSON RCH





NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL: LEXAN RADOME AND STAINLESS STEEL MOUNTING HARDWARE.
2. COLOR: NEUTRAL.
3. REMOVE ALL BURRS AND SHARP EDGES.
4. COSMETIC REQUIREMENTS PER SPECIFICATION 044856, APPENDIX C, CATEGORY II, CLASS B.
5. BAG PARTS AND MARK BAG WITH 063365 PER SPECIFICATION 606427. DO NOT MARK DASH NUMBER.
6. CHANGES REQUIRE SAC APPROVAL.
7. SPECIFICATION:

FREQUENCY RANGE:	2400-2500MHz
IMPEDANCE:	50 ohms (NOMINAL)
GAIN:	13dBd (REFERENCED TO DIPOLE) 15dBi (REFERENCED TO ISOTROPIC)
BEAMWIDTH (3dB)	H-PLANE: 34 DEGREES E-PLANE: 30 DEGREES
FRONT TO BACK RATIO:	>17dB
BANDWIDTH:	100MHz (VWSR<=2:1)
VSWR:	<=2:1 (2400-2500MHz)
NUMBER OF ELEMENTS:	15
POWER RATING:	200 WATTS MAX
WEIGHT:	<1lb
WIND LOAD:	.4ft²

8. DO NOT INSPECT PARTS TO DIAGRAM. FOR REFERENCE ONLY.
9. MOUNTING HARDWARE KIT AND INSTRUCTIONS INCLUDED.

-001

SOURCE CONTROL DRAWING
SEE SEPARATE PARTS LIST FOR 063365-001

CAD DB.REF- 063365.1.d
SYSTEM - HP

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.
.XX ±
.XXX ±
ANGLES ±

APPROVALS		DATE
DRAWN	J.FOTI	8-22-95
CHECKED	R.HOAGLUND	1-19-96
RESP ENG	M.CHIN	1-23-96
QA	T.ANDERSON	1-23-96
MFG ENG	M.SALATINO	1-22-96
SAC	P.HELTON	1-22-96
CMPNT ENG	———	———

Intermec
6001 36TH AVENUE WEST
EVERETT, WA 98203-9280

TITLE
ANTENNA, 2.4GHZ, YAGI

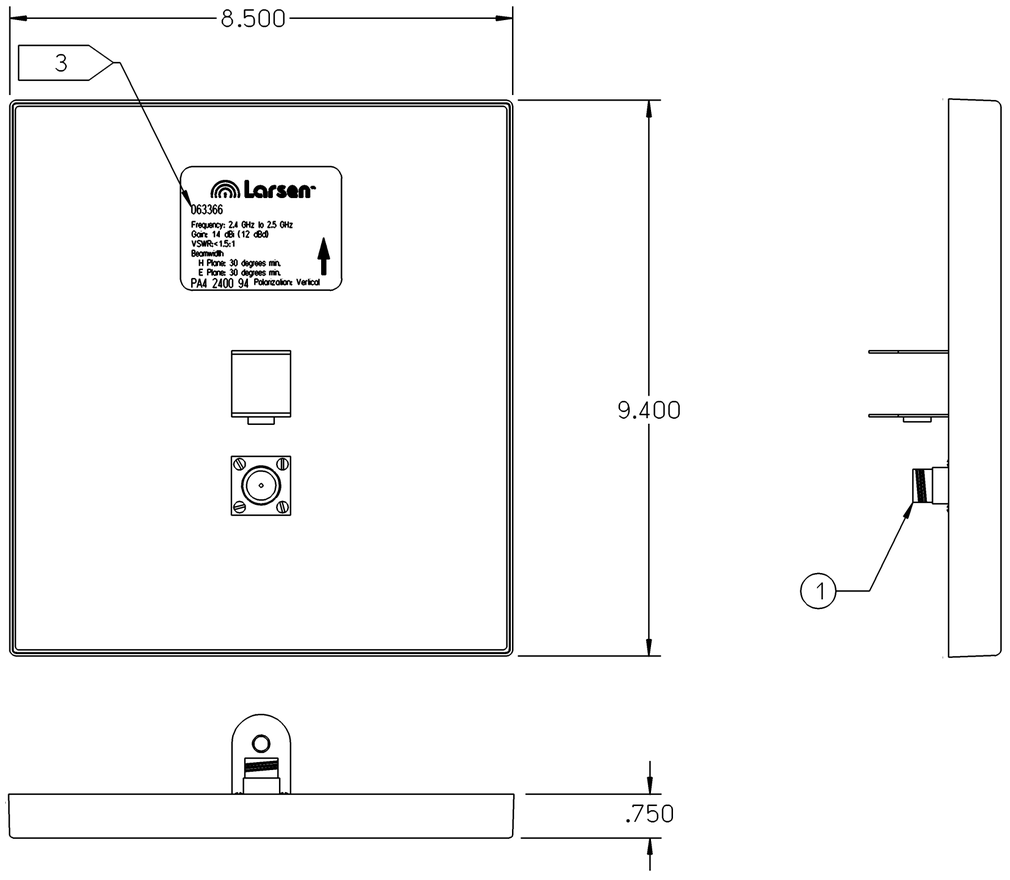
SIZE	CAGE CODE	DRAWING NUMBER	REV
D	33825	063365	D

SCALE NONE SHEET 1 OF 1

APPROVED SOURCE(S) OF SUPPLY	
SUPPLIER	PART NUMBER
1. LARSEN	PA4 2400 94
2.	
3.	
4.	
5.	
6.	

					REVISION	REV STATUS OF SHEETS
5	4	3	2	1	SHEET	

REVISIONS			
REV	DESCRIPTION	DATE	DRAWN & APPROVED
C	-001 RELEASED AT REV C		



NOTES: UNLESS OTHERWISE SPECIFIED

1. REFER TO THE MANUFACTURER'S SPECIFICATIONS FOR COMPLETE DESIGN PARAMETERS.
2. DUAL FUNCTION MOUNTING BASE SUPPLIED WITH HARDWARE KIT.
3. MARK PART WITH 063366 PER SPECIFICATION 606427. DO NOT MARK DASH NUMBER.
4. CHANGES REQUIRE SAC APPROVAL.

SOURCE CONTROL DRAWING

SEE SEPARATE PARTS LIST FOR 063366-001

-001

CAD DB.REF- /cadserv/rel/063366.1.c
SYSTEM - HP

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.
.XX ±
.XXX ± .250
ANGLES ±

APPROVALS		DATE
DRAWN	J.FOTI	1-11-96
CHECKED	R.HOAGLUND	4-4-96
RESP ENG	M.CHIN	4-8-96
QA	D.SOLVEK	4-9-96
MFG ENG	M.SALATINO	4-22-96
SAC	P.HELTON	4-8-96
CMPNT ENG	———	———

Intermec
6001 36TH AVENUE WEST
EVERETT, WA 98203-9280

TITLE ANTENNA, 2.4GHZ, FLAT PANEL

SIZE	CAGE CODE	DRAWING NUMBER	REV
C	33825	063366	C

SCALE NONE SHEET 1 OF 1

APPROVED SOURCE(S) OF SUPPLY

SUPPLIER	PART NUMBER
1. MOBILE MARK	0D9-24001
2.	
3.	
4.	
5.	
6.	

					REVISION	REV STATUS OF SHEETS
5	4	3	2	1	SHEET	

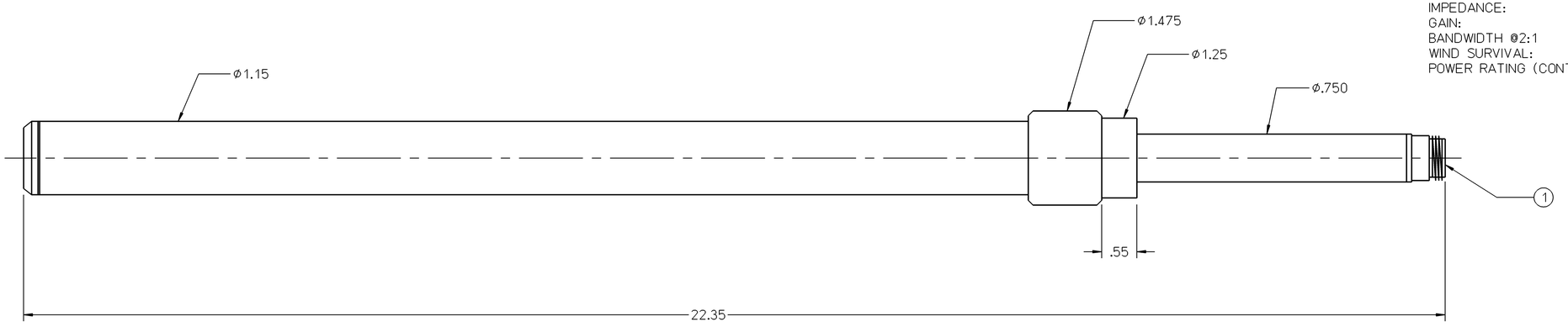
REVISIONS

REV	DESCRIPTION	DATE	DRAWN & APPROVED
B	-001 RELEASED AT REV B		

NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL: ANTENNA - FIBERGLASS RADOME WITH ALUMINUM FEED.
   HARDWARE - 4 EACH U BOLTS (NOT SHOWN)
   1 EACH MOUNTING PLATE (NOT SHOWN)
2. REMOVE ALL BURRS AND SHARP EDGES.
3. COSMETIC REQUIREMENTS PER SPECIFICATION 044856, APPENDIX C, CATEGORY II, CLASS B.
4. BAG PARTS AND MARK BAG WITH 065349 PER SPECIFICATION 606427. DO NOT MARK DASH NUMBER.
5. CHANGES REQUIRE SAC APPROVAL.
6. SPECIFICATION:

FREQUENCY RANGE:	2300-2600MHz
IMPEDANCE:	50+j0 OHMS (NOMINAL)
GAIN:	9dBi
BANDWIDTH @2:1	140MHz
WIND SURVIVAL:	100+MPH
POWER RATING (CONTINUOUS):	100 WATTS MAX



-001

SOURCE CONTROL DRAWING

SEE SEPARATE PARTS LIST FOR 065349-001

CAD DB.REF- 065349.1.b
SYSTEM - HP/ME30

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.
.XX ± .20
.XXX ± .100
ANGLES ±

APPROVALS		DATE
DRAWN	J.FOTI	12-19-96
CHECKED	R.HOAGLUND	1-28-97
RESP ENG	M.CHIN	1-28-97
QA	R.SLOVEK	1-29-97
MFG ENG	M.SALATINO	1-28-97
SAC	KEX	1-28-97
CMPNT ENGS	L.OOMIS	1-28-97

Intermec
6001 36TH AVENUE WEST
EVERETT, WA 98203-9280

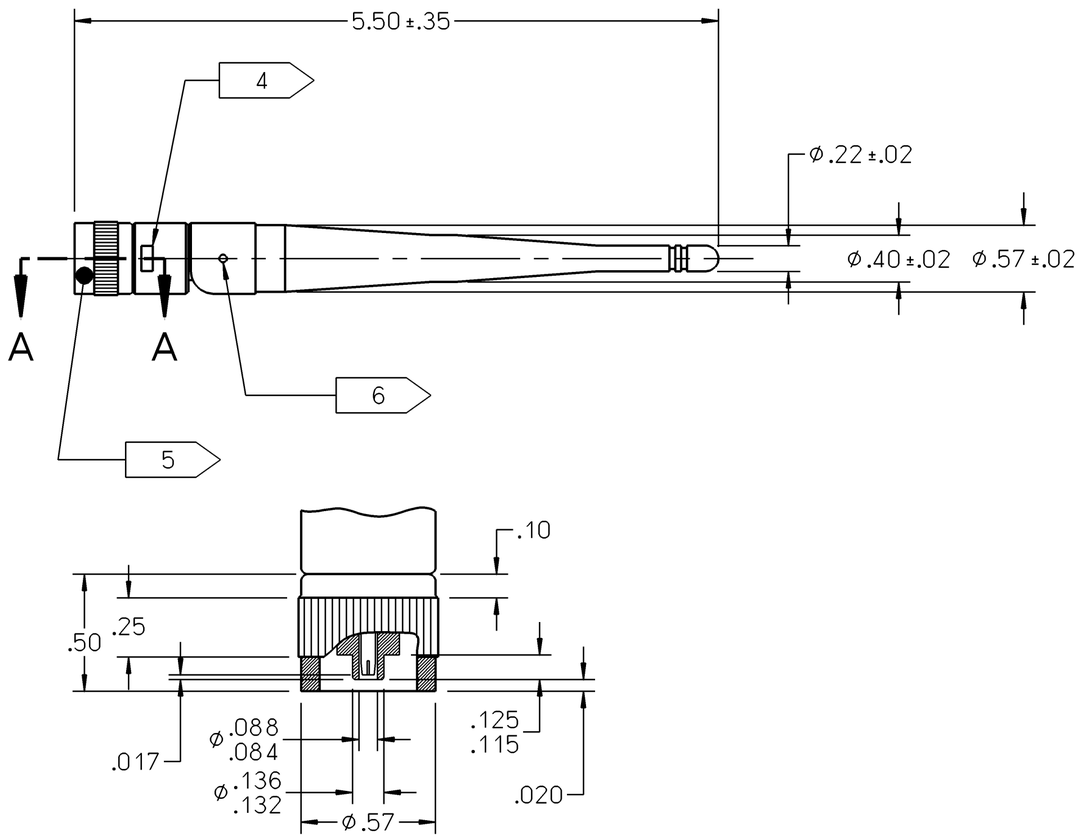
TITLE ANTENNA, 2.4GHZ, 9DBI OMNI

SIZE	CAGE CODE	DRAWING NUMBER	REV
D	33825	065349	B

SCALE NONE SHEET 1 OF 1

APPROVED SOURCE(S) OF SUPPLY	
SUPPLIER	PART NUMBER
1. CENTURION	066147-001
2.	
3.	
4.	
5.	
6.	

REVISIONS			
REV	DESCRIPTION	DATE	DRAWN & APPROVED
B	-001 RELEASED AT REV B		
C	-001 PER ECN 027276	03-07-98	J.LEE RCH
D	-001 PER ECN 100361	04-09-99	J.LEE JMB



SECTION A-A

SCALE 2/1

NOTES: UNLESS OTHERWISE SPECIFIED

1. BAG PARTS (25 MAX PER BAG) AND MARK BAG WITH 066147 AND DASH NUMBER TO WHICH MANUFACTURED PER SPECIFICATION 606427.

2. SPECIFICATIONS: FREQUENCY RANGE 2.4-2.5 GHZ
   GAIN: 1.0 dBI
   OPERATING TEMPERATURE: -40°C TO +85°C
   FLEX TEST: PER QEA0014
   PULL TEST: 20 LB LINEAR PULL
   TORQUE TEST: 20 IN-LB
   POWER RATING: 50 WATTS
   VSWR 1.5:1 MAX AT RESONANCE

3. CHANGES REQUIRE SAC APPROVAL.

4 PART MARKED WITH AØ1.

5 THIS PIECE IS FREE TO ROTATE 360°.

6 FREE TO ROTATE 90° (DOWNWARD) ABOUT THIS PIVOT. LOCKS IN 0° AND 90° POSITION.

7. ALL PARTS OF ASSEMBLY ARE TO BE MOLDED BLACK OR BLACK CHROME.

SOURCE CONTROL DRAWING

-001

CAD DB.REF- 066147.1.d
SYSTEM - HP/ME30

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.
.XX ± .03
.XXX ± .010
ANGLES ±

APPROVALS		DATE
DRAWN	G.RAVEN	7-11-97
CHECKED	R.HOAGLUND	10-29-97
RESP ENG	T.BENSON	10-30-97
QA	T.ANDERSON	11-10-97
MFG ENG	V.LORD	11-6-97
SAC	O.DREW	10-30-97
CMPNT ENG	R.KELLY	11-4-97

Intermec
6001 36TH AVENUE WEST
EVERETT, WA 98203-9280

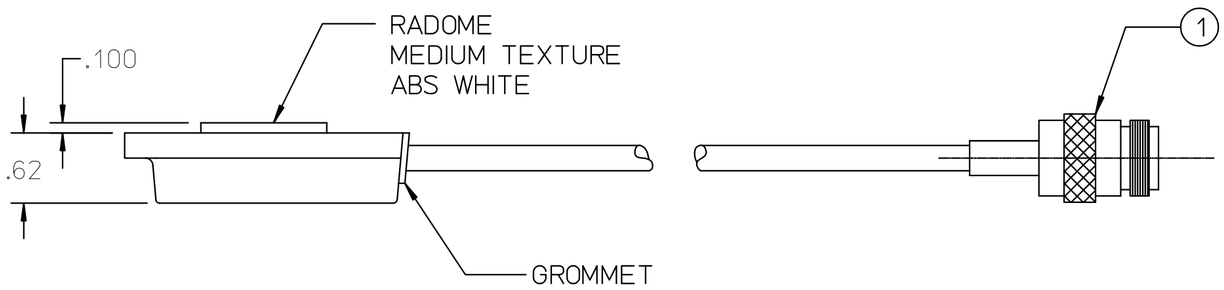
TITLE ANTENNA, TNC, 2.4 GHZ, DIPOLE, 248X

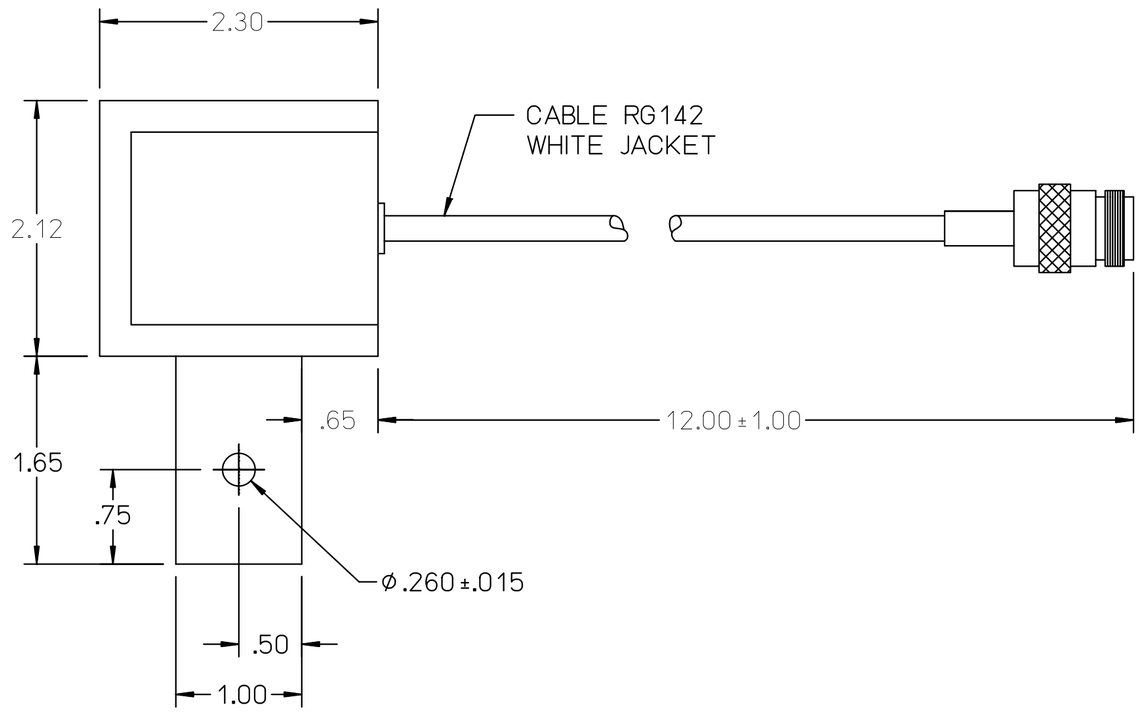
SIZE	CAGE CODE	DRAWING NUMBER	REV
C	33825	066147	D

SCALE 1/1 SHEET 1 OF 1

APPROVED SOURCE(S) OF SUPPLY	
SUPPLIER	PART NUMBER
1. CENTURION INTL	CAF94120
2.	
3.	
4.	
5.	
6.	

REVISIONS			
REV	DESCRIPTION	DATE	DRAWN & APPROVED
B	-001 RELEASED AT REV B		
C	-001 PER ECN 102232	3-7-01	G.RAVEN GMO





NOTES: UNLESS OTHERWISE SPECIFIED

1. REFER TO THE MANUFACTURER'S SPECIFICATIONS FOR COMPLETE DESIGN PARAMETERS.

2. BAG PARTS AND MARK BAG WITH 067261 TO WHICH MANUFACTURED PER SPECIFICATION 606427. DO NOT MARK DASH NUMBER.

3. CHANGES REQUIRE SAC APPROVAL.

4. SPECIFICATIONS:
   * VSWR: 1.5:1
   * FREQUENCY: 2400-2500 MHz
   * GAIN: 3 dBi
   * BEAMWIDTH 3dB
     H-PLANE 360°
     E-PLANE 180°
   * PATTERN: OMNI-DIRECTIONAL
   * OPERATION TEMPERATURE: -40°C TO +100°C
   * MAXIMUM INPUT POWER: 50 WATTS

5. MOUNTING KIT SUPPLIED.

SOURCE CONTROL DRAWING
SEE SEPARATE PARTS LIST FOR 067261-001

-001

CAD DB.REF- 067261.1.c
SYSTEM - HP/ME30

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.
.XX ± .12
.XXX ±
ANGLES ±

APPROVALS		DATE
DRAWN	J.FOTI	5-11-98
CHECKED	R.HOAGLUND	5-21-98
RESP ENG	M.SHAVER	6-2-98
QA	T.ANDERSON	6-2-98
MFG ENG	M.SALATINO	5-26-98
SAC	P.HELTON	5-26-98
CMPNT ENG	T.KEY	5-27-98

Intermec Technologies Corporation
6001 36TH AVENUE WEST
EVERETT, WA 98203-9280

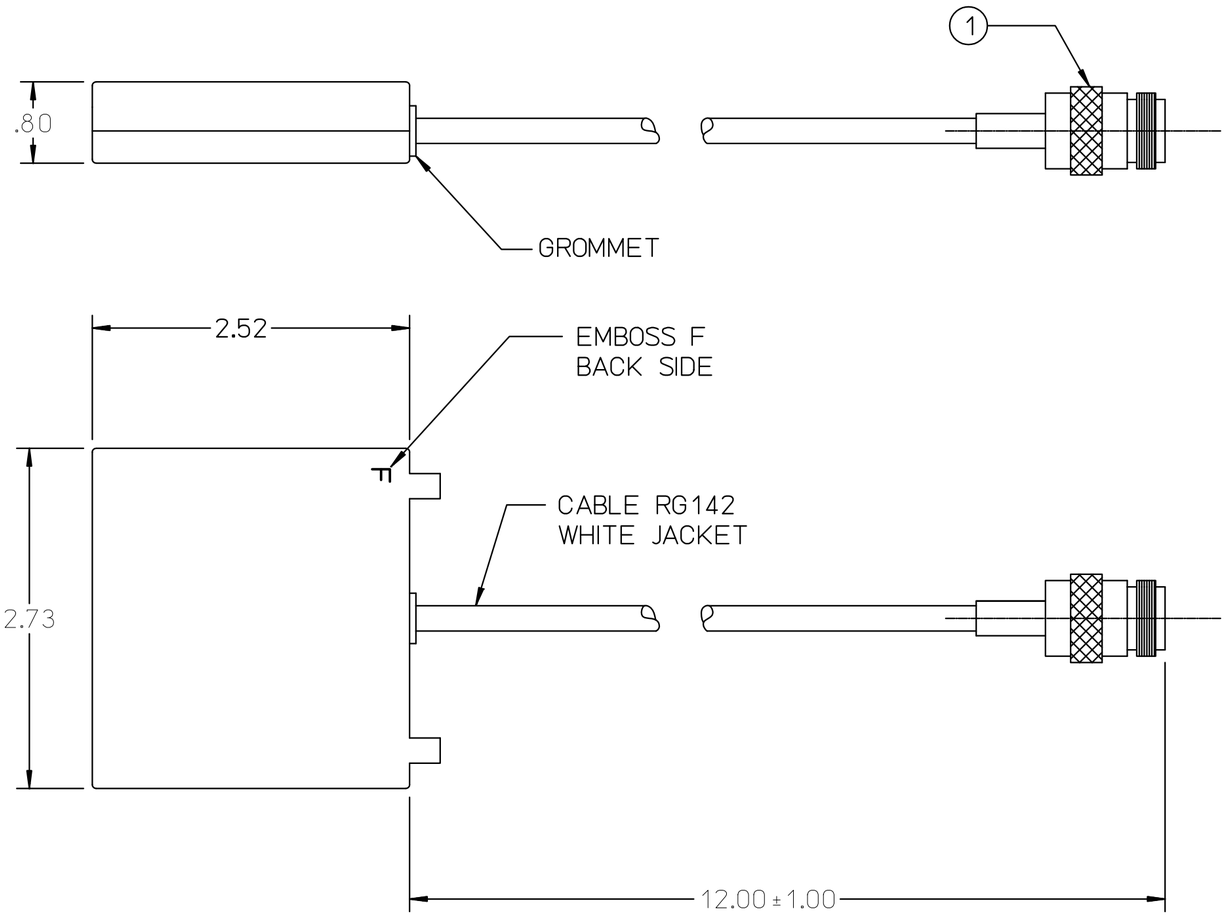
TITLE
ANTENNA, 2.4GHZ, 3dBI MINI OMNI

SIZE	CAGE CODE	DRAWING NUMBER	REV
C	33825	067261	C

SCALE NONE SHEET 1 OF 1

APPROVED SOURCE(S) OF SUPPLY	
SUPPLIER	PART NUMBER
1. CENTURION INTL	CAF95989
2.	
3.	
4.	
5.	
6.	

REVISIONS			
REV	DESCRIPTION	DATE	DRAWN & APPROVED
B	-001 RELEASED AT REV B		
C	-001 PER ECN 102232	3-7-01	G.RAVEN GMO



NOTES: UNLESS OTHERWISE SPECIFIED

1. REFER TO THE MANUFACTURER'S SPECIFICATIONS FOR COMPLETE DESIGN PARAMETERS.

2. BAG PARTS AND MARK BAG WITH 067262 TO WHICH MANUFACTURED PER SPECIFICATION 606427. DO NOT MARK DASH NUMBER.

3. CHANGES REQUIRE SAC APPROVAL.

4. SPECIFICATIONS:
   * FREQUENCY RANGE: 2400-2500 MHz
   * GAIN: 5dBi
   * VSWR: 1.8:1
   * IMPEDANCE: 50ohms
   * BEAMWIDTH 5 dB
     H-PLANE: 55°
     E-PLANE: 80°
   * OPERATING TEMPERATURE: -40°C TO +100°C
   * INPUT POWER (MAX): 50 WATTS

5. MOUNTING KIT SUPPLIED.

SOURCE CONTROL DRAWING
SEE SEPARATE PARTS LIST FOR 067262-001

-001

CAD DB.REF- 067262.1.c
SYSTEM - HP/ME30

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.
.XX ± .12
.XXX ±
ANGLES ±

APPROVALS		DATE
DRAWN	J.FOTI	5-11-98
CHECKED	R.HOAGLUND	5-21-98
RESP ENG	M.SHAVER	6-2-98
QA	T.ANDERSON	6-2-98
MFG ENG	M.SALATINO	5-26-98
SAC	P.HELTON	5-26-98
CMPNT ENG	T.KEY	5-27-98

Intermec Technologies Corporation
6001 36TH AVENUE WEST
EVERETT, WA 98203-9280

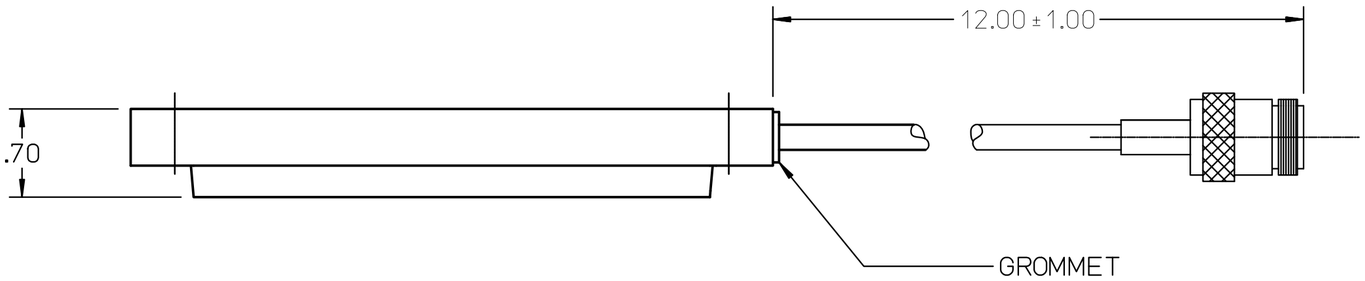
TITLE: ANTENNA, 2.4GHZ, 5dBi DUAL FLAT PANEL

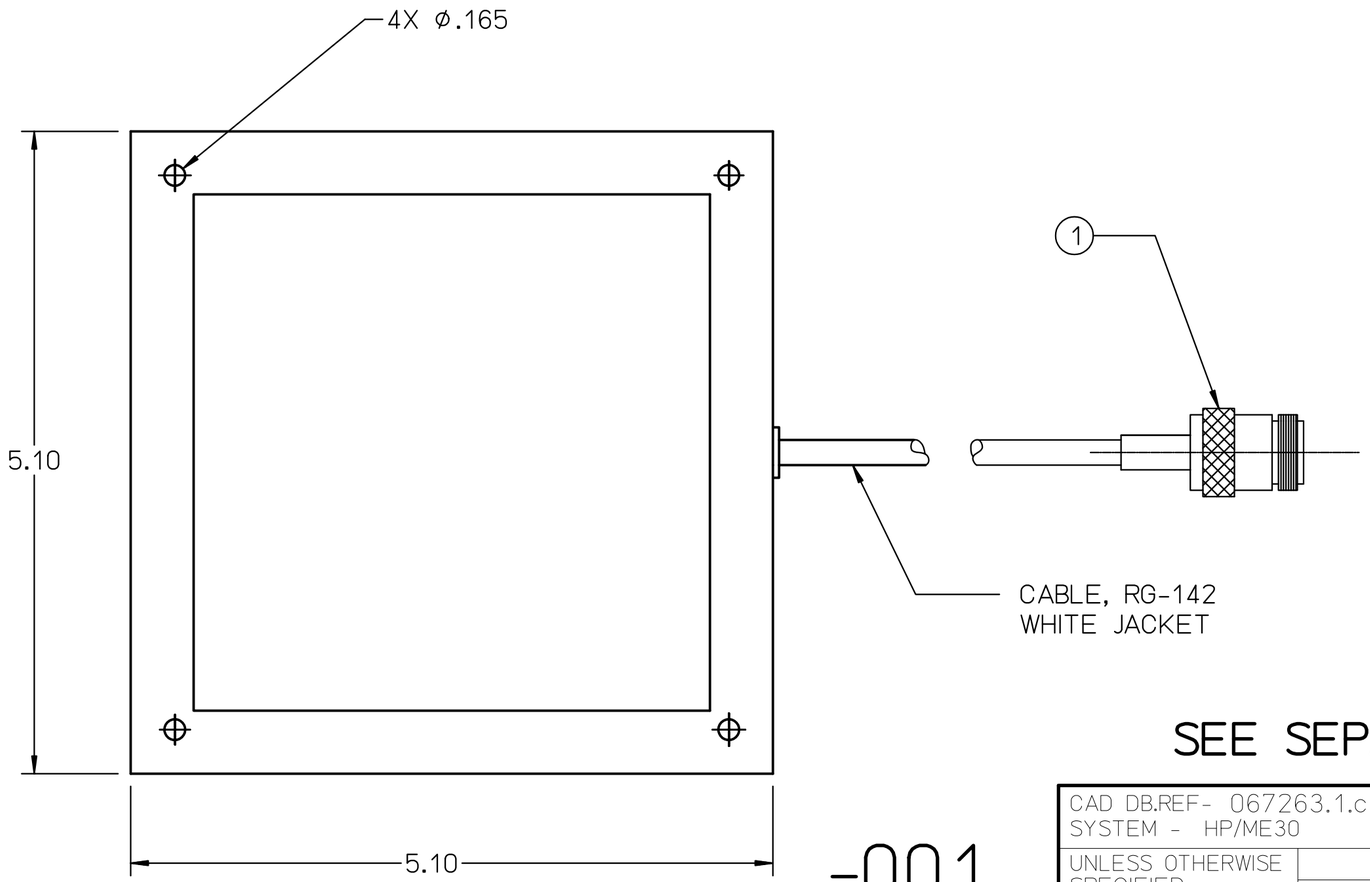
SIZE	CAGE CODE	DRAWING NUMBER	REV
C	33825	067262	C

SCALE NONE SHEET 1 OF 1

APPROVED SOURCE(S) OF SUPPLY	
SUPPLIER	PART NUMBER
1. CENTURION INTL	CAF95972
2.	
3.	
4.	
5.	
6.	

REVISIONS			
REV	DESCRIPTION	DATE	DRAWN & APPROVED
B	-001 RELEASED AT REV B		
C	-001 PER ECN 102232	3-7-01	G.RAVEN GMO





NOTES: UNLESS OTHERWISE SPECIFIED

1. REFER TO THE MANUFACTURER'S SPECIFICATIONS FOR COMPLETE DESIGN PARAMETERS.

2. BAG PARTS AND MARK BAG WITH 067263 TO WHICH MANUFACTURED PER SPECIFICATION 606427. DO NOT MARK DASH NUMBER.

3. CHANGES REQUIRE SAC APPROVAL.

4. SPECIFICATIONS:
   * FREQUENCY RANGE: 2400-2500MHz
   * GAIN: 9dBi
   * VSWR: 1.5:1
   * IMPEDANCE: 50 ohms
   * BEAMWIDTH 9dB
     H-PLANE: 60°
     E-PLANE; 60°
   * INPUT POWER (MAX): 50 WATTS
   * OPERATING TEMPERATURE: -40°C TO +100°C
   * FRONT/BACK RATIO: 20 dBi

5. MOUNTING KIT SUPPLIED.

SOURCE CONTROL DRAWING
SEE SEPARATE PARTS LIST FOR 067263-001

-001

CAD DB.REF- 067263.1.c
SYSTEM - HP/ME30

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.
.XX ± .12
.XXX ± .015
ANGLES ±

APPROVALS		DATE
DRAWN	J.FOTI	5-12-98
CHECKED	R.HOAGLUND	5-21-98
RESP ENG	M.SHAVER	6-2-98
QA	T.ANDERSON	6-2-98
MFG ENG	M.SALATINO	5-26-98
SAC	P.HELTON	5-21-98
CMPNT ENG	T.KEY	5-27-98

Intermec Technologies Corporation
6001 36TH AVENUE WEST
EVERETT, WA 98203-9280

TITLE
ANTENNA, 2.4GHZ, 9dBi FLAT PANEL

SIZE	CAGE CODE	DRAWING NUMBER	REV
C	33825	067263	C
SCALE NONE			SHEET 1 OF 1

C

Positioning Antennas

This appendix provides information about positioning the antennas for the Wireless Access Points. Specific guidelines for antenna separation are provided for those configurations that have multiple antennas.

Antenna Placement Guidelines

Every environment is unique with different obstacles and materials. Therefore, the exact range that you will achieve with your UAP is difficult to determine. Intermec recommends that you allow an Intermec-certified RF specialist to perform a site survey before you install a wireless network. For more information on site surveys, contact your local Intermec representative.

Radio signals may reflect off some obstacles and be absorbed by others. For example, two radios may achieve up to 305 meters (1,000 feet) of range if positioned outdoors within line of sight, with no obstacles between them. However, the same two units may only achieve up to 152 meters (500 feet) of range when the RF signal has to travel through items such as cubicles. If the signal must penetrate office walls, the signal range may decrease to 91 meters (300 feet).

Proper antenna placement can help improve range. If you are interested in antenna options, contact your Intermec representative about antenna kits. Here are some general guidelines for positioning antennas:

- Place the antenna as high as possible. In an office environment, try to place it above cubicle walls.
- Do not place a sheet of metal (such as a filing cabinet) between two antennas.

The following sections provide detailed information about antenna placement for those UAPs that can have more than one antenna.

Positioning the Antennas for a 2.4 GHz OpenAir WAP

Because the 2.4 GHz OpenAir WAP has two radios installed in the device, you need to pay particular attention to the placement of the two antennas. Proper positioning of the antennas is critical for proper functioning of the WAP. You attach antenna cables to the 2110, and then attach the cables to antennas mounted in your work environment.

There are two types of Intermec-recommended antennas you can use:

- Omni
- Directional

You can position the antennas in one of three ways:

- Horizontal. Both antennas are mounted in the same plane (at the same height).
- Stacked. One antenna is mounted directly above the other.
- Angled. The two antennas are mounted some distance apart and at different heights.

You can use either two omni antennas, two directional antennas, or one omni antenna and one directional antenna. The following table shows the MINIMUM distance that must exist between the two antennas.

Position	2 Omni Antennas	2 Directional Antennas	1 Omni, 1 Directional Antenna
Horizontal	3dBi omni, 3 meters (10 feet) 6dBi omni, 6.1 meters (20 feet) 9dBi omni, 12.2 meters (40 feet)	3 meters (10 feet)	6.1 meters (20 feet)
Stacked	.6 meters (2 feet)	(does not apply)	.6 meters (2 feet)
Angled	1.1 meters (3.5 feet) vertically and 7.3 meters (24 feet) horizontally	.6 meters (2 feet) vertically and 3 meters (10 feet) horizontally	.6 meters (2 feet) vertically and 6.1 meters (20 feet) horizontally

Note these additional points about positioning your antennas:

- Intermec recommends that you mount omni antennas so they point down.
- If you are using one omni antenna and one directional antenna, you should mount the directional antenna so that it points away from the omni antenna.
- If you are using one omni antenna and one directional antenna in the stacked position, you must mount the directional antenna above the omni antenna.
- If you are using two directional antennas, you must mount them back-to-back.

Positioning the Antennas for an IEEE 802.11 DS Radio

The IEEE 802.11 DS radio features antenna diversity, which means that each radio has two antennas. One antenna functions as a receive antenna and the other antenna functions as both a transmit and a receive antenna. Note that only one antenna is used at a time in a diversity system.

On an IEEE 802.11 DS radio, the centermost antenna is the antenna that both transmits and receives radio signals. If you attach only one antenna to the IEEE 802.11 DS radio, you should attach it to the centermost antenna connector for that radio card.

If you are using two antennas for your IEEE 802.11 DS WAP, placement of the antennas is critical because each antenna has a particular function. Antennas placed too close together may cause interference with each other. Antennas placed too far apart may not be able to establish two-way communications with other radios. To achieve optimum placement for the two antennas, you must place the transmit/receive antenna so that it is within range of all the radios that the receive-only radio can hear.

Note these important points about antenna placement for an IEEE 802.11 DS radio:

- Use the recommended antenna separation for placement of either omni or directional antennas.
- Position directional antennas so they point in the same direction.
- Follow the recommended antenna separation precisely when using the closest distances. Movement of as little as 3.05 centimeters (1.2 in) may strongly affect performance.
- Position the antennas so that both antennas are within range of the radios they need to communicate with.
- Do not position the two antennas around a corner or so that a wall is between them.

The recommended antenna separation is listed in the following table. You should choose the greatest distance possible within the constraints of your environment.

Location	Recommended Antenna Separation
Highly reflective warehouse environment	.33 m (13 in) or .64 m (25 in)
Moderately reflective warehouse environment	.64 m (25 in), 1.22 m (4 ft), or 1.83 m (6 ft)
Open/Office environment	1.22 m (4 ft) to 3.05 m (10 ft)