

Intermec

Technologies Corporation

Intermec Radio Group Antenna Measurement

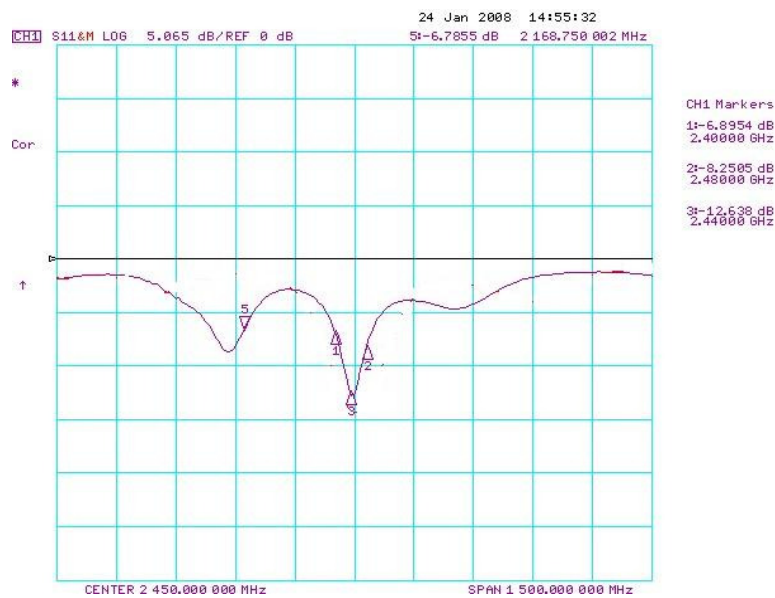
Manufacturer: Intermec Technologies Corp

Model No: CN3 Bluetooth Antenna

Prepared by: Oliver Ge & Dana Utt

Comments: CN3 BT 1.0pf series 1.8nH (receiver side) Jan 24

Return Loss



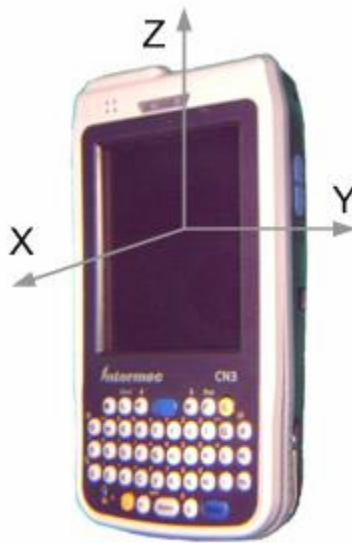
Antenna Pattern

Test Method: Two-Axis Dual-Polarization Pattern Measurement

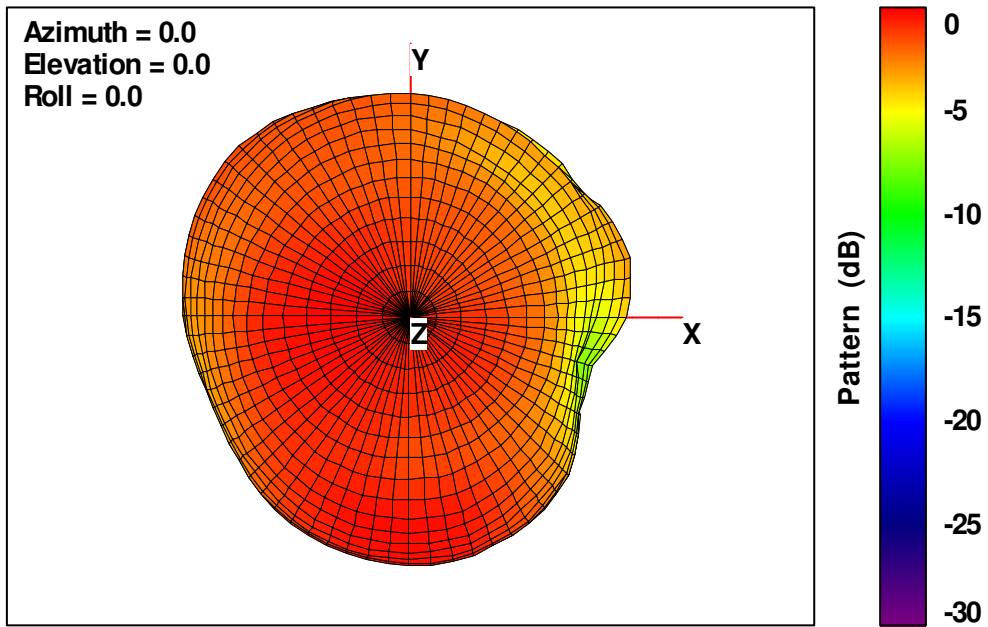
Type: RF Measurement

Summary Page

Frequency (MHz)	2400	2440	2480
Peak Gain (dBi)	-7.82716	-6.14349	-7.60108
Average Gain (dB)	-11.1125	-9.60332	-11.2929
Efficiency (dB)	-11.1125	-9.60332	-11.2929
Efficiency (%)	7.74011	10.9564	7.42531
Upper Hem. PRP (dBm)	-13.2464	-11.6994	-13.3293
Lower Hem. PRP (dBm)	-15.222	-13.7731	-15.5604
Boresight Phi (°)	165	270	285
Boresight Th. (°)	0	45	45
Average Power (dBm)	-10.7797	-9.27255	-11.0087
Max/Min Ratio (dB)	19.208	16.7561	22.7175

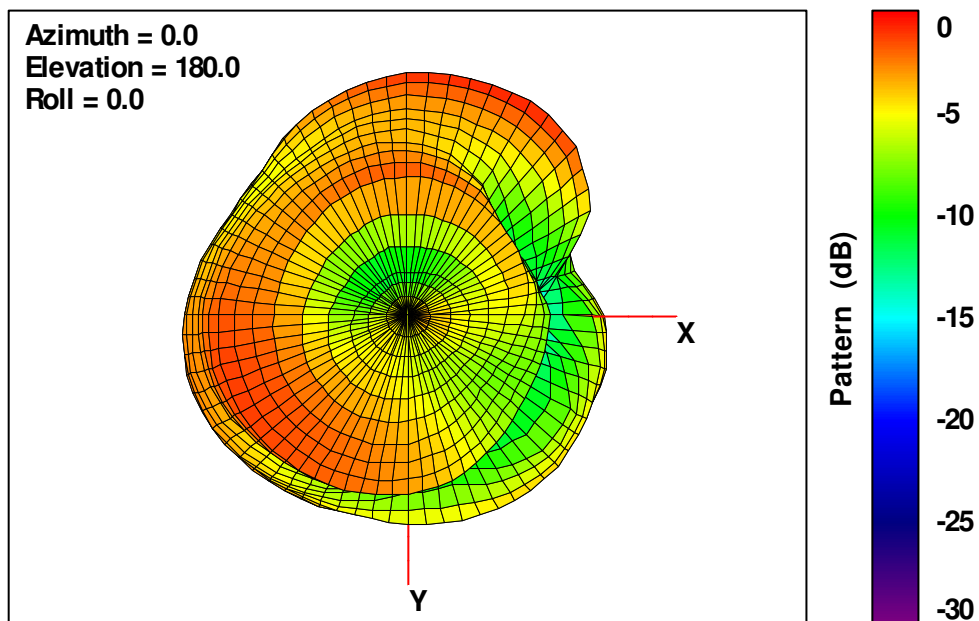


Total EIRP, Top View



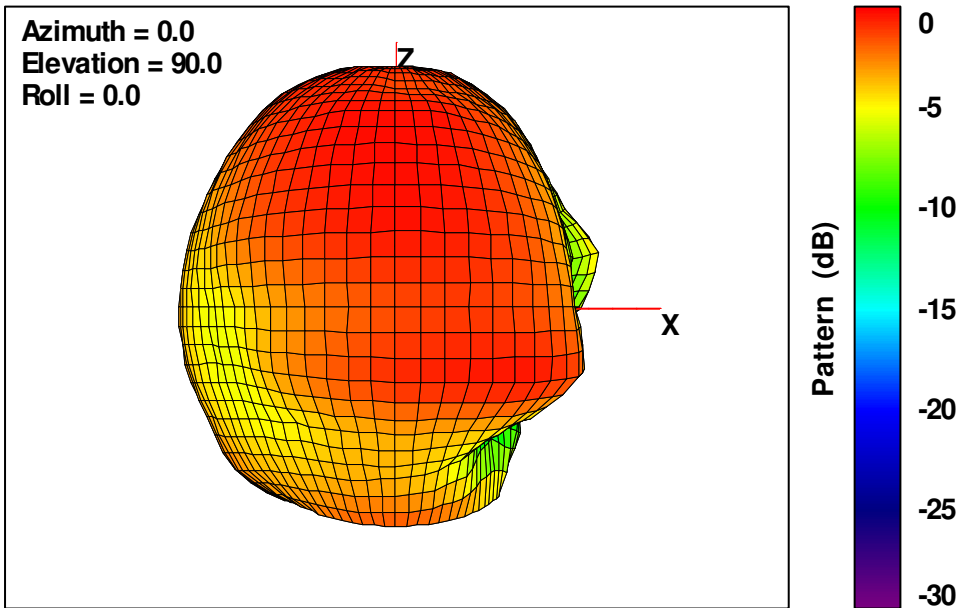
RF Measurement Free-Space Total EIRP, Top View, 2400 MHz

Total EIRP, Bottom View



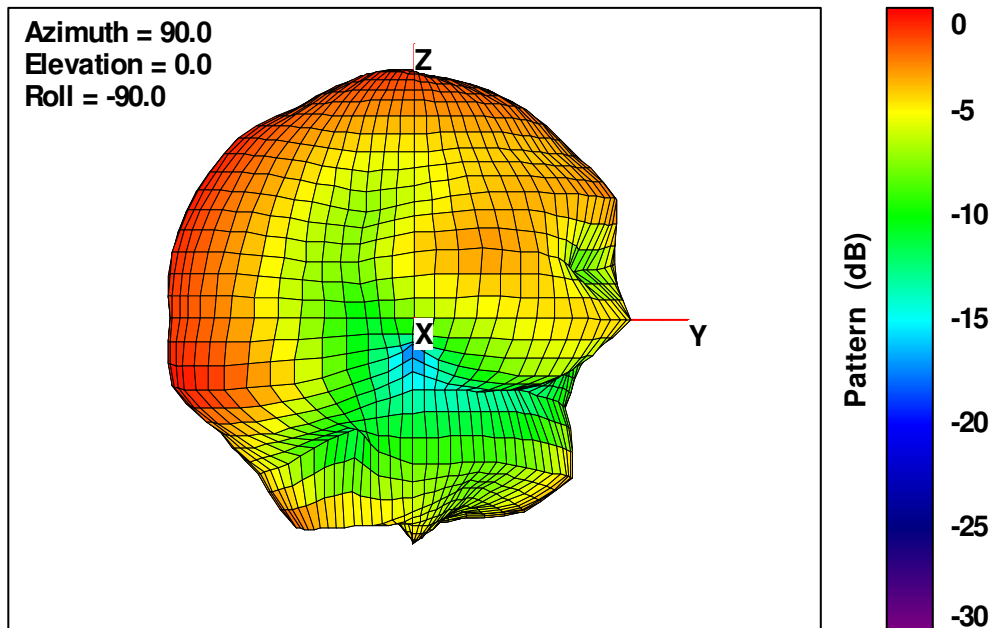
RF Measurement Free-Space Total EIRP, Bottom View, 2400 MHz

Total EIRP, Left Side View



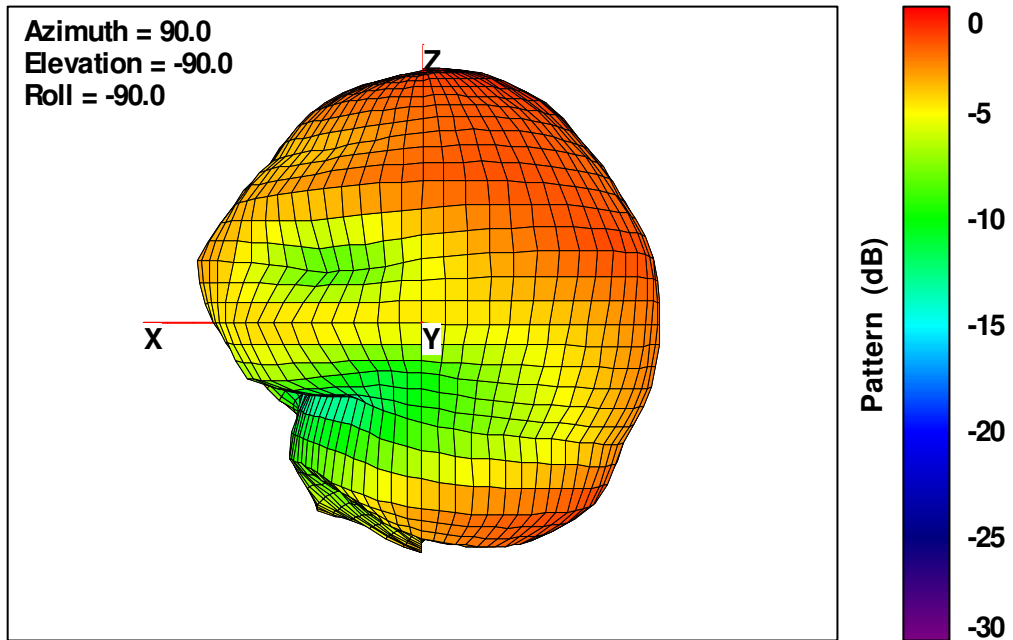
RF Measurement Free-Space Total EIRP, Left Side View, 2400 MHz

Total EIRP, Front Face View



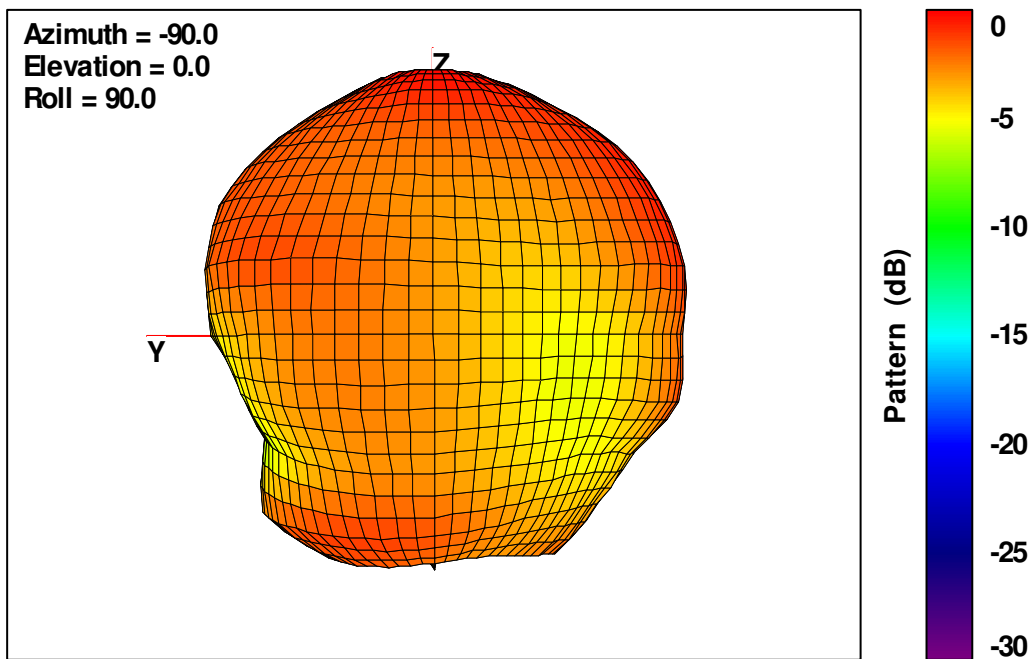
RF Measurement Free-Space Total EIRP, Front Face View, 2400 MHz

Total EIRP, Right Side View



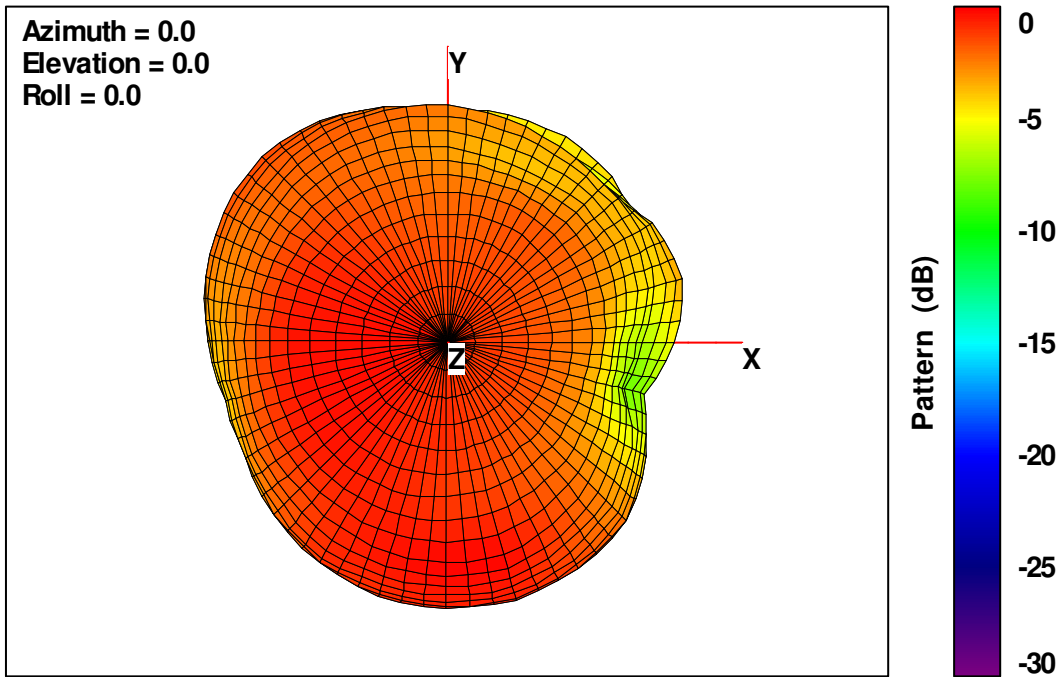
RF Measurement Free-Space Total EIRP, Right Side View, 2400 MHz

Total EIRP, Back Face View



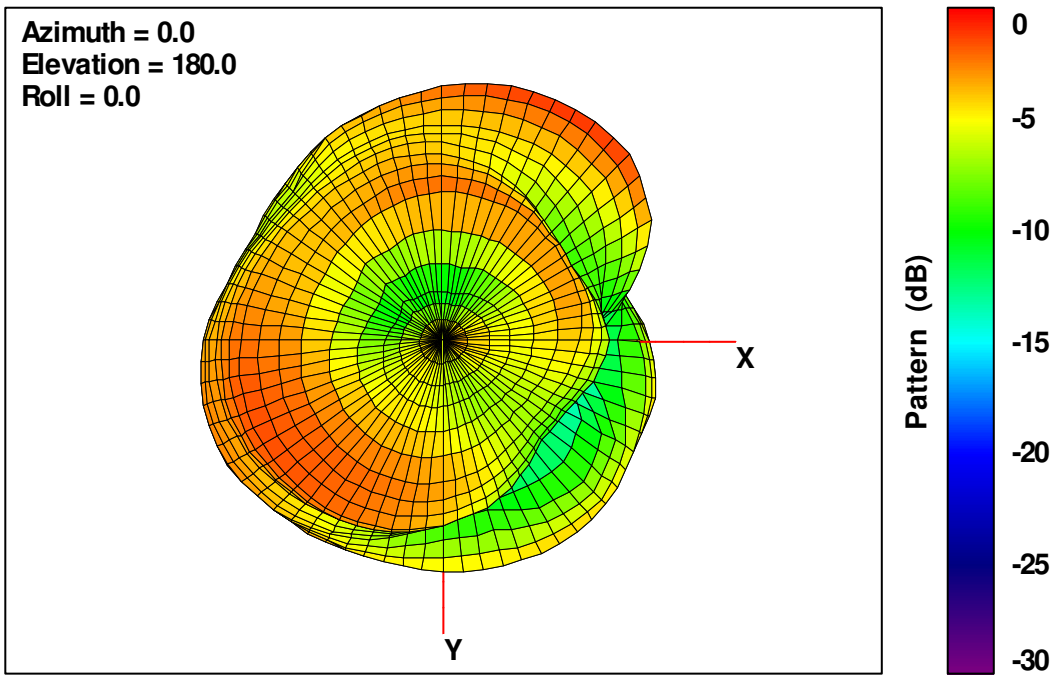
RF Measurement Free-Space Total EIRP, Back Face View, 2400 MHz

Total EIRP, Top View



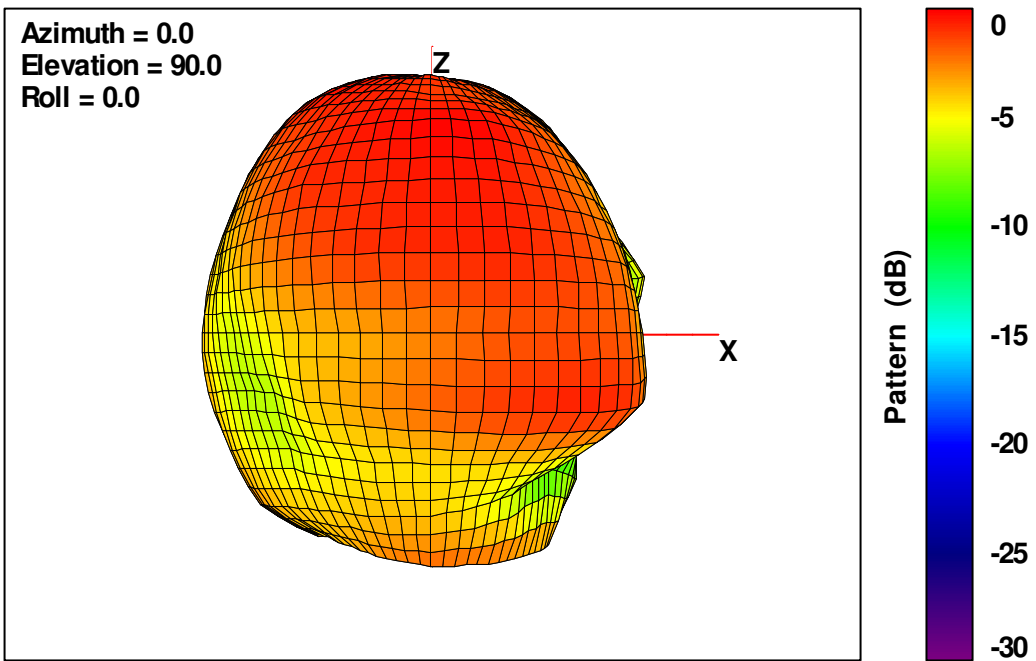
RF Measurement Free-Space Total EIRP, Top View, 2440 MHz

Total EIRP, Bottom View



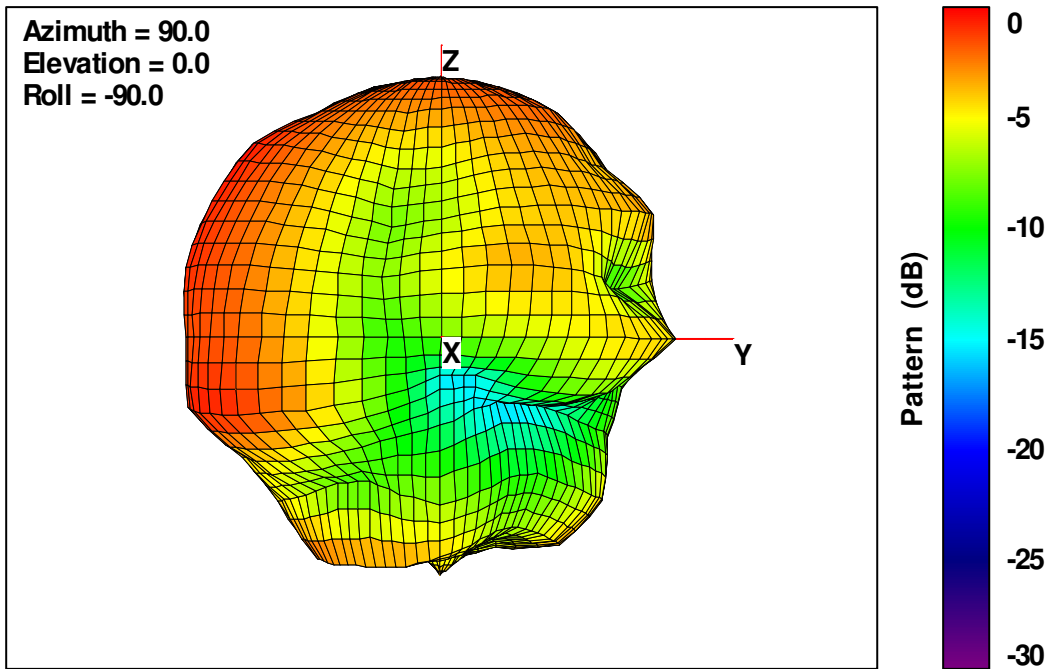
RF Measurement Free-Space Total EIRP, Bottom View, 2440 MHz

Total EIRP, Left Side View



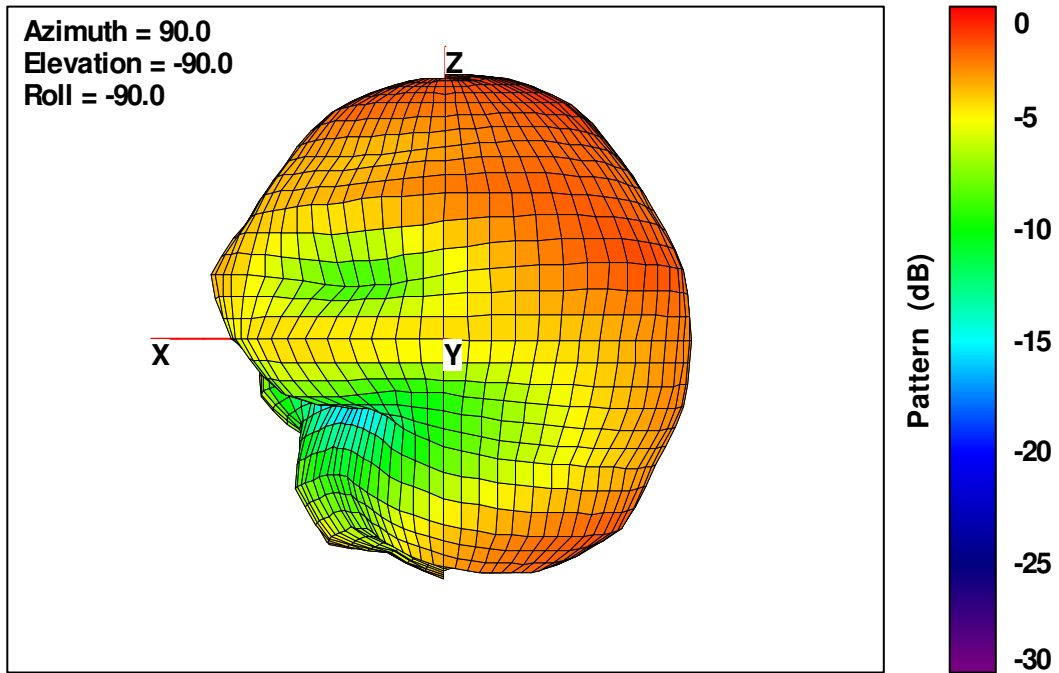
RF Measurement Free-Space Total EIRP, Left Side View, 2440 MHz

Total EIRP, Front Face View



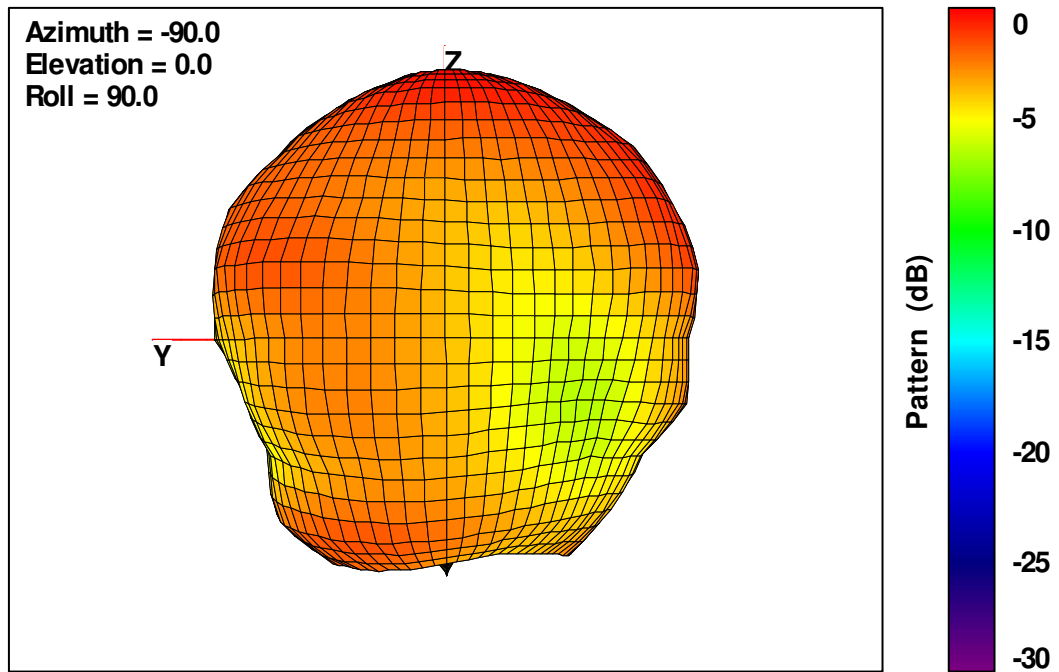
RF Measurement Free-Space Total EIRP, Front Face View, 2440 MHz

Total EIRP, Right Side View



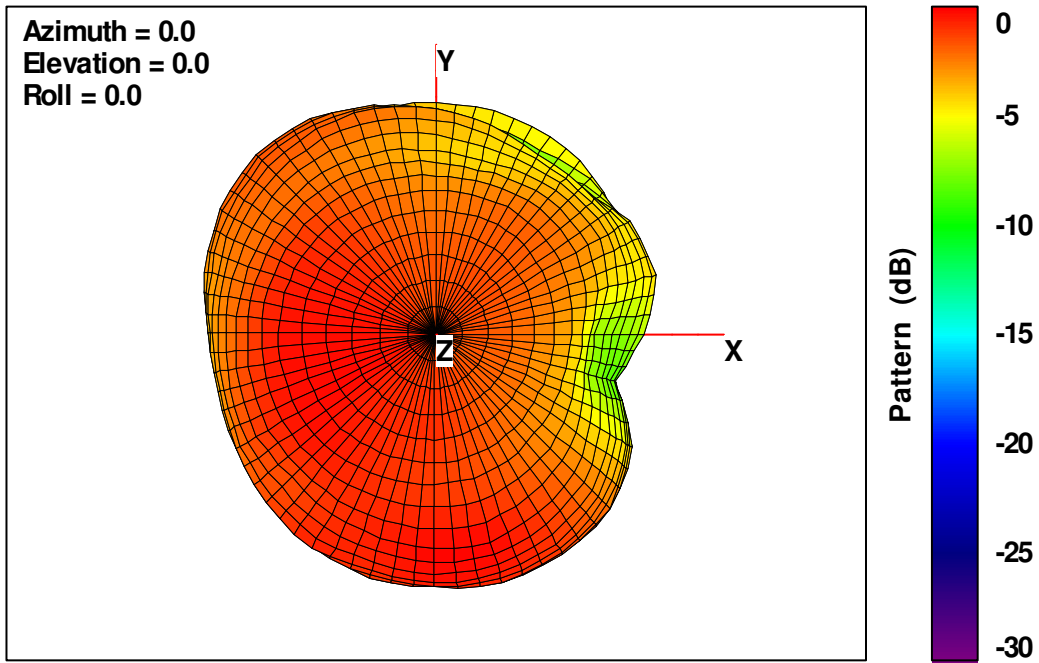
RF Measurement Free-Space Total EIRP, Right Side View, 2440 MHz

Total EIRP, Back Face View



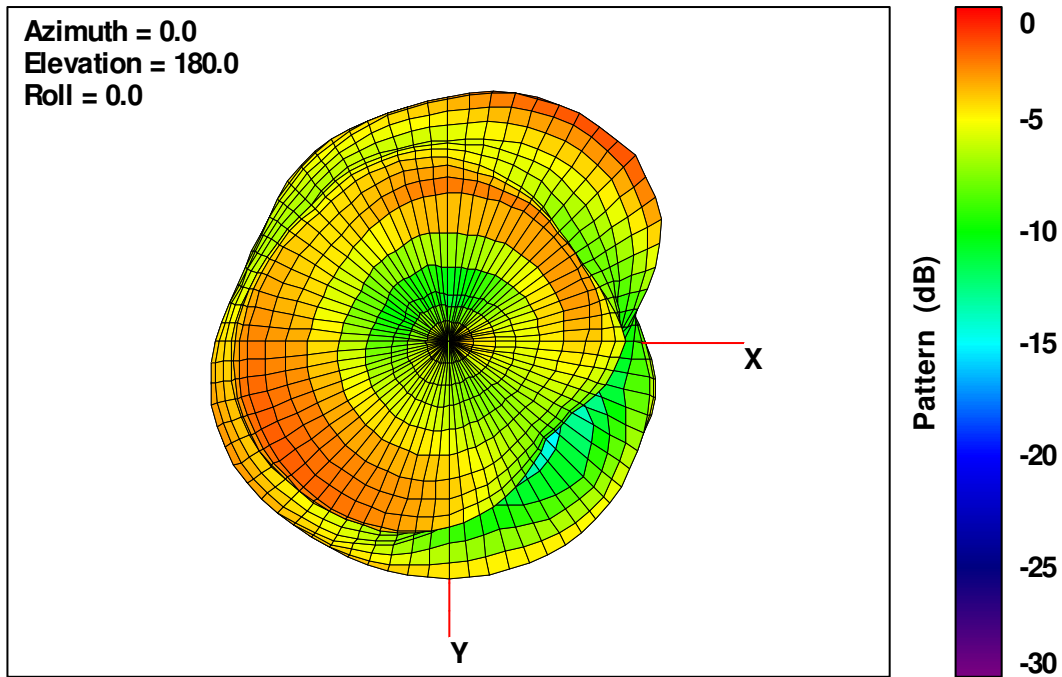
RF Measurement Free-Space Total EIRP, Back Face View, 2440 MHz

Total EIRP, Top View



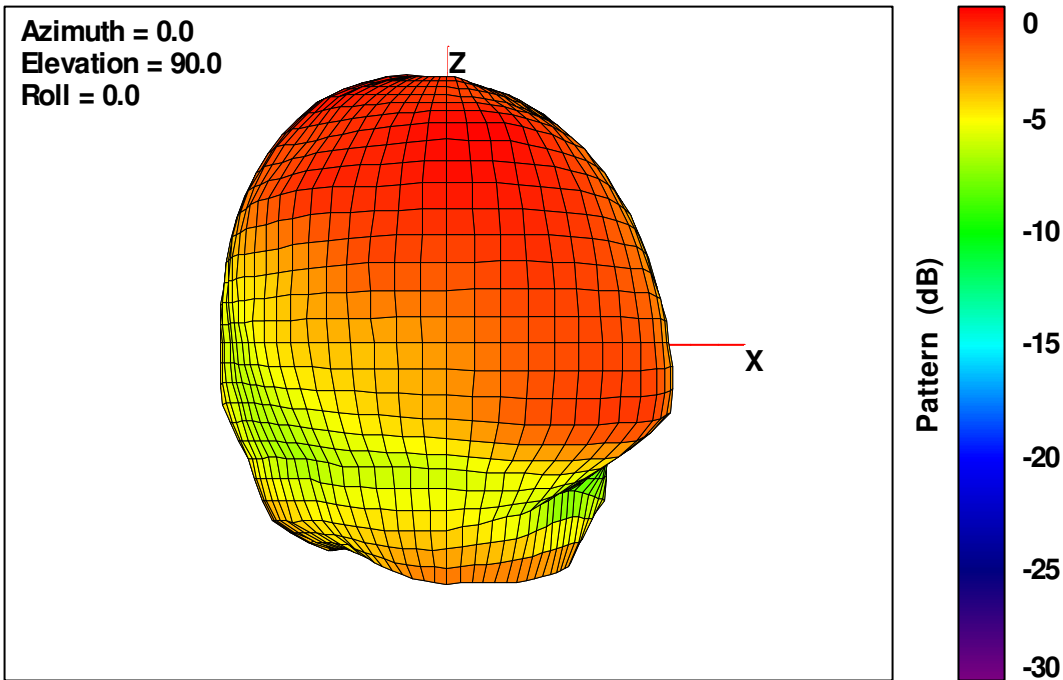
RF Measurement Free-Space Total EIRP, Top View, 2480 MHz

Total EIRP, Bottom View



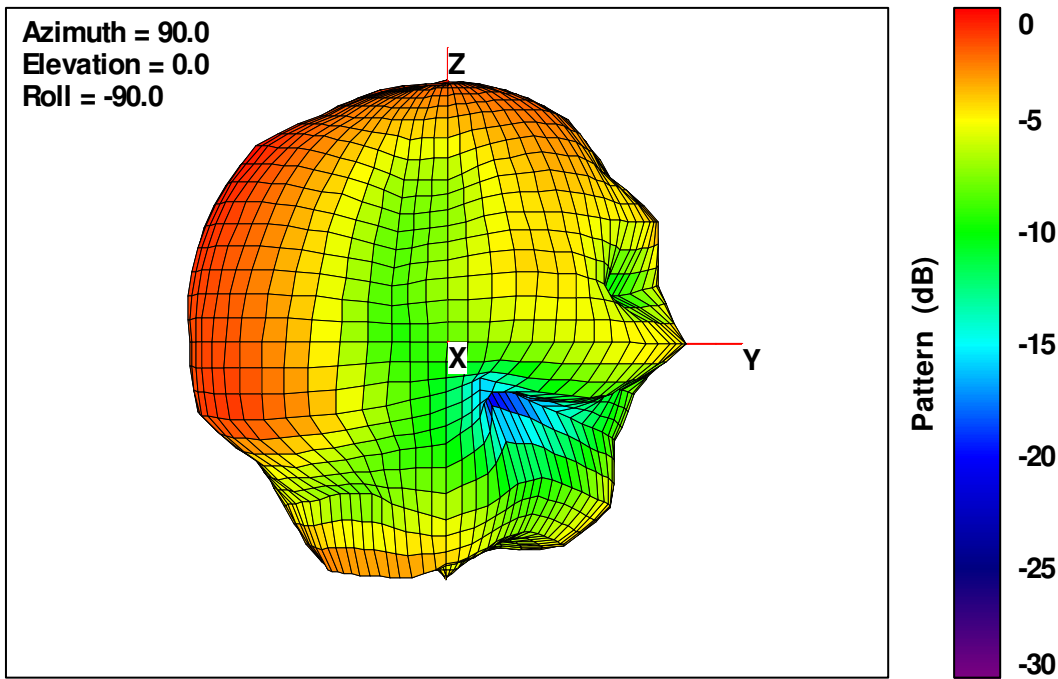
RF Measurement Free-Space Total EIRP, Bottom View, 2480 MHz

Total EIRP, Left Side View



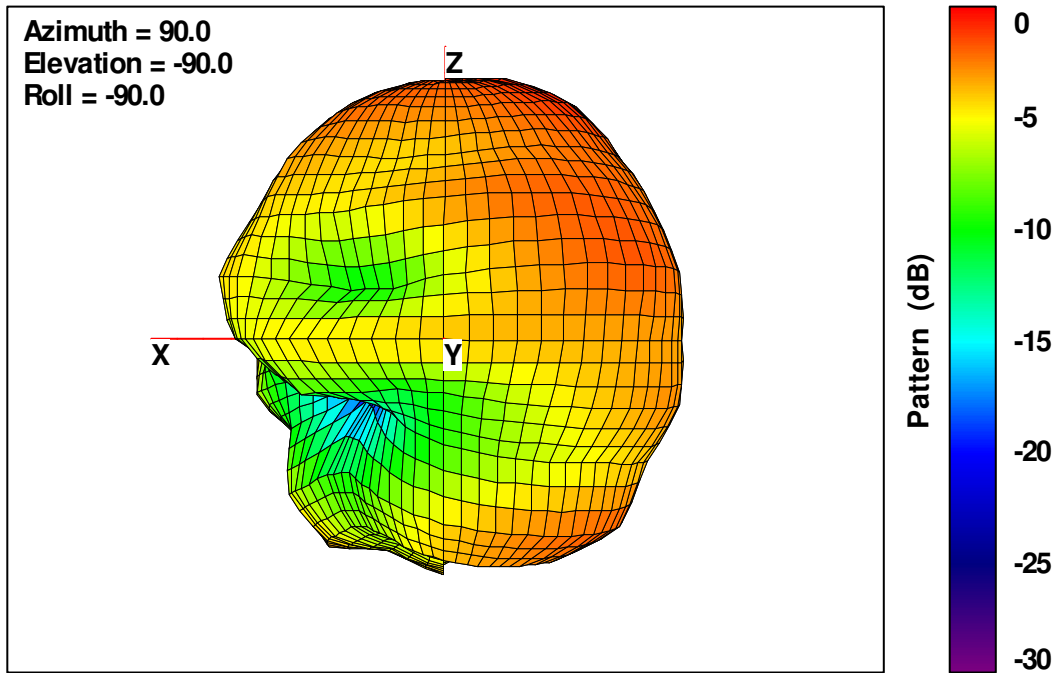
RF Measurement Free-Space Total EIRP, Left Side View, 2480 MHz

Total EIRP, Front Face View



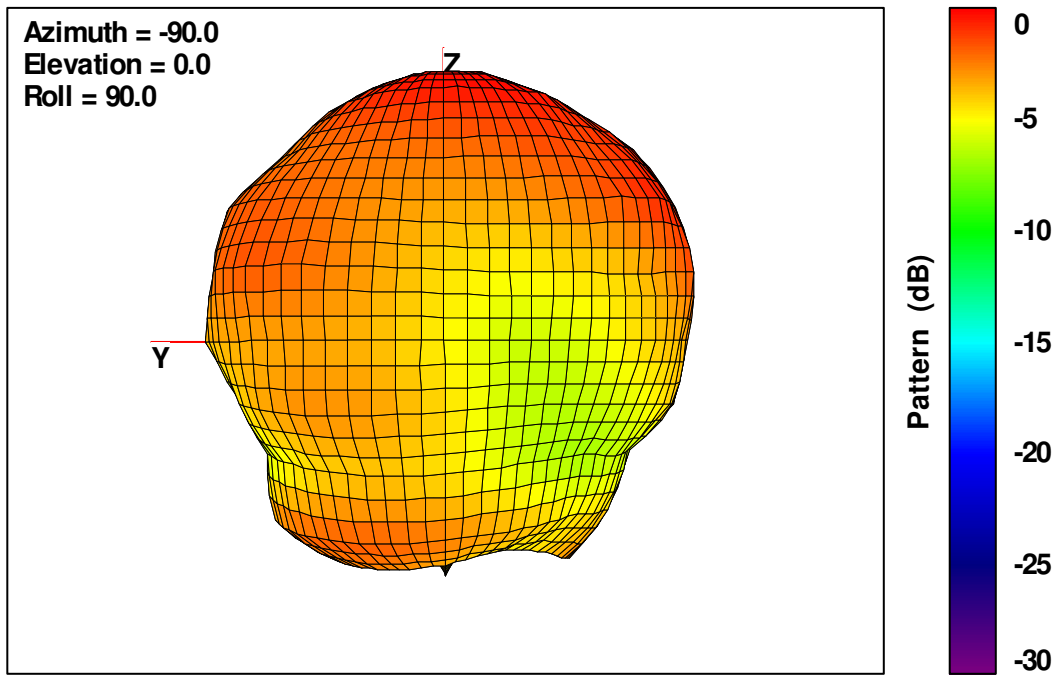
RF Measurement Free-Space Total EIRP, Front Face View, 2480 MHz

Total EIRP, Right Side View



RF Measurement Free-Space Total EIRP, Right Side View, 2480 MHz

Total EIRP, Back Face View

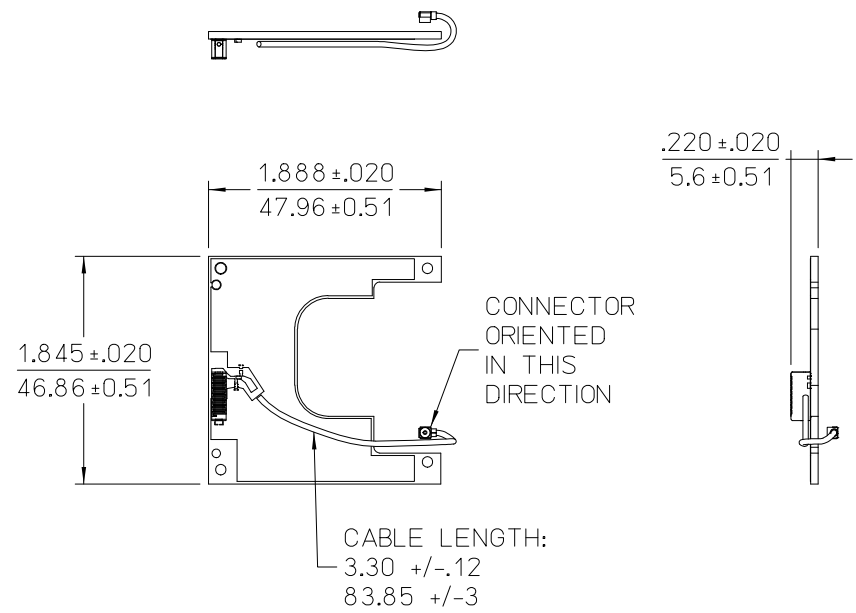


RF MeasurementCN3 Free-Space Total EIRP, Back Face View, 2480 MHz

PRE-RELEASE

APPROVED SOURCE(S) OF SUPPLY	REVISION	REV STATUS OF SHEETS
SUPPLIER PART NUMBER	5 4 3 2 1	SHEET
1. LAIRD CAF96340AA		
2.		
3.		
4.		
5.		
6.		

REVISIONS					
DWG REV	ECN	ZONE	DESCRIPTION	DATE	DRAWN & APPROVED
1			INITIAL DRAWING CREATION		
2	-	-	REMOVED ESD NOTE	4-23-08	G.RAVEN
3	-	-	ADDED NOTES 7 AND 8, REVISED NOTE 1	7-30-08	G.RAVEN
A	320687	-	RELEASED, FORMERLY REV 3	8-27-08	RZ



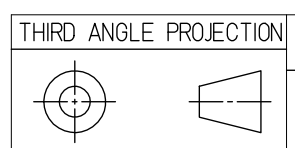
NOTES: UNLESS OTHERWISE SPECIFIED

- MARK COUNTRY OF ORIGIN MANUFACTURER IDENTIFICATION ON BOARD PER INTERMEC SPECIFICATION 609030, MOST CURRENT REVISION.
- THIS PART OR ASSEMBLY MUST CONFORM TO DOCUMENT 631869 INTERMEC RESTRICTED SUBSTANCES COMPLIANCE REQUIREMENTS, MOST CURRENT REVISION.
- PART REVISION CONTROLLED BY REVISION HISTORY DOCUMENT.
- REFER TO MANUFACTURERS COMPLETE DESIGN PARAMETERS FOR ADDITIONAL INFORMATION.
- DIMENSIONS: INCH
MM
- FREQUENCY RANGE: 2.4-2.484
- BARE BOARD MUST BE UL RECOGNIZED PRINTED WIRING BOARD AND DISPLAY THE MANUFACTURERS UL ID CODE.
- CHANGES REQUIRE SAC APPROVAL.

-001

SOURCE CONTROL DRAWING

PRE-RELEASE



CAD DB.REF- WM SYSTEM - HP-ME10

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.

.X ± .1
.XX ± .02
.XXX ± .010
ANGLES ± 1°

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APPROVALS	DATE
DRAWN G.RAVEN	4-3-08
CHECKED R.ZIGLER	8-27-08
RESP ENG D.GILPIN	8-27-08

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

TITLE
BT ANTENNA ASSY,CK3

SIZE C CAGE CODE 33825 DRAWING NUMBER 805-831

SCALE NONE USED ON CK3 SHEET 1 OF 1

SEE ECN FOR MFG, QA AND SAC APPROVALS